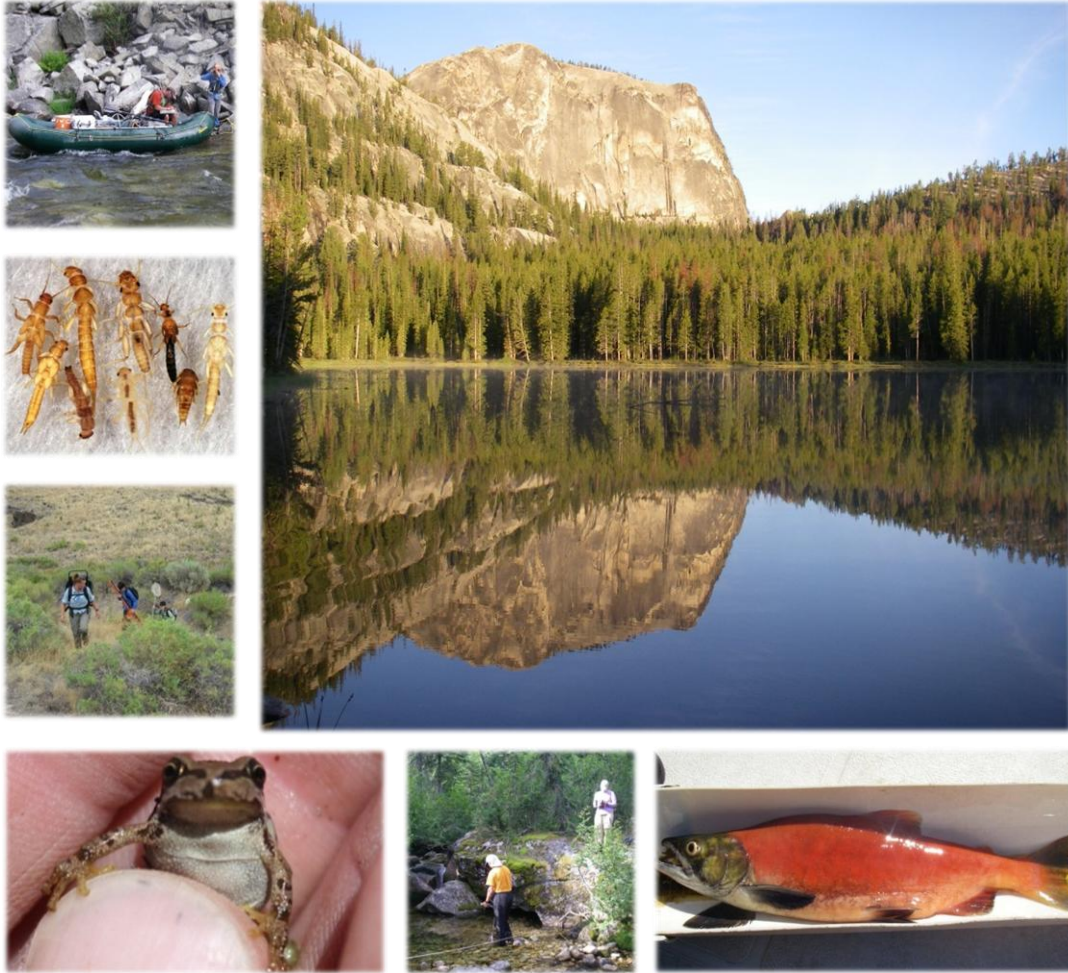


Idaho's 2012 Integrated Report

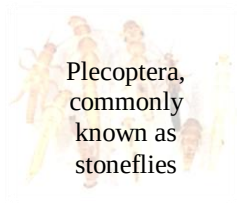
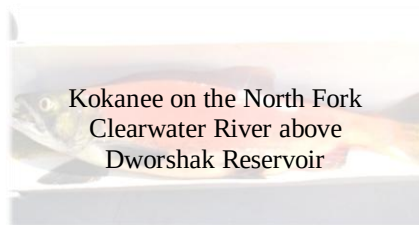
Draft



State of Idaho
Department of Environmental Quality

June 2013

Cover photos:



Appropriate Citation:

Idaho Department of Environmental Quality. 2013. *Idaho's 2012 Integrated Report*. Boise, ID: Idaho Department of Environmental Quality.



Printed on recycled paper, DEQ June 2013, PID 9005, CA 82038. Costs associated with this publication are available from the State of Idaho Department of Environmental Quality in accordance with Section 60-202, Idaho Code.

Idaho's 2012 Integrated Report

Draft

June 2013

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Acknowledgments

Apart from the efforts of myself, the success of this Integrated Report could not have been achieved without the dedicated efforts of Idaho Department of Environmental Quality staff in the state and regional offices. The hard work and assistance of so many has produced a transparent, accessible, and comprehensive report. A special thank you to Erica Jensen for editorial support and Jim Szpara for GIS support.

Cover photos are from the Idaho Department of Environmental Quality except for the Plecoptera photo, which was provided by EcoAnalysts, Inc.

Table of Contents

Abbreviations, Acronyms, and Symbols	vii
Executive Summary	ix
2012 Report Highlights.....	ix
Category Summaries.....	x
2010–2012 Comparison	xiii
1 Introduction.....	1
1.1 Purpose of the Integrated Report	1
1.2 Federal Requirements	1
1.3 Integrated Report Categories	3
2 Background Information	4
2.1 Scope of Waters in the Integrated Report	5
2.1.1 Assessment Units	7
2.2 Water Pollution Control Program.....	8
2.2.1 Water Quality Standards Program.....	8
2.2.2 Point Source Control Program—§401 Water Quality Certification	8
2.2.3 Nonpoint Source Control Program.....	9
2.2.4 TMDL Program.....	12
2.3 Special State Concerns and Recommendations.....	12
2.3.1 Tribal Waters.....	12
2.3.2 Geography and Timing of Salmonid Spawning in Idaho	13
2.3.3 Monitoring for the Effects of Nutrients	14
2.3.4 Thermal Treatment Requirements.....	15
3 Surface Water Monitoring and Assessment	15
3.1 Monitoring Program.....	15
3.2 Assessment Methodology	15
3.2.1 Beneficial Uses.....	16
3.2.2 Data Use.....	17
3.2.3 Interpreting Idaho Water Quality Standards	20
3.2.4 Waters Other than Perennial Streams and Rivers	28
3.3 Assessment Results.....	29
3.3.1 Five-Part Categorization of Surface Waters	29
3.3.2 Results of Probability Based Surveys.....	35
3.3.3 Section 303(d) List	39
3.3.4 Statewide Summaries	43
3.3.5 Section 314—Clean Lakes Program	45
3.3.6 Wetlands Program	46

3.4 Public Health Issues	46
3.4.1 Drinking Water and Source Water Assessment	46
3.4.2 Methylmercury Fish Tissue Criterion for Protection of Human Health.....	47
4 Ground Water Monitoring and Assessment	49
5 Public Participation in the Development of the Integrated Report	50
5.1 Scope of Public Comment	50
5.2 Basin and Watershed Advisory Groups Consultation	50
5.3 Milestones and Project Completion	50
5.4 How to Comment.....	51
6 References	52

List of Figures

Figure A. Five categories of the Integrated Report.....	x
Figure B. Category summary for streams and rivers as percent of total stream/river miles.	xi
Figure C. Category summary for lakes and reservoirs as percent of total lake/reservoir acreage.	xii
Figure D. Number of stream/river assessment units (AUs) in Categories 1–5 of the Integrated Report in 2010 and 2012.	xiii
Figure E. Number of lake/reservoir assessment units (AUs) in Categories 1–5 of the Integrated Report in 2010 and 2012.....	xiii
Figure 1. Components of the Integrated Report.	2
Figure 2. Federal requirements for the 2012 Integrated Report come from several sources.	2
Figure 3. The Owyhee River near the Oregon border.....	4
Figure 4. Idaho basins and subbasins (represented by hydrologic unit codes, or HUCs).....	6
Figure 5. Relationship between 4th-field hydrologic unit codes (HUCs), water body IDs (WBIDs), and assessment units (AUs).	7
Figure 6. Large woody debris added to Yellowdog Creek to restore in-stream habitat.	10
Figure 7. Road density in East Fork Steamboat Creek watershed before and after restoration projects.	10
Figure 8. Restored stream habitat on Upper Tepee Creek resulted in reduced sediment levels. ..	11
Figure 9. Middle Tepee Creek after reconstruction of meanders and revegetation, 2008.	11
Figure 10. Raft River before and after BMP implementation efforts.	12
Figure 11. Assessment units (AUs) entirely or partially contained on tribal land.....	13
Figure 12. Category summary for streams as percent of total stream miles.	30
Figure 13. Category summary for lakes as percent of total lake acreage.....	31
Figure 14. Conceptual representation of elements of a probabilistic sampling survey	36
Figure 15. Ecological condition estimates statewide and by DEQ region, presented as percentages of the regional sampled population. Error bars represent standard error. ...	38

List of Tables

Table A. Category summary for rivers and streams.	xi
Table B. Category summary for lakes and reservoirs.	xi
Table C. Support status of Idaho's streams/rivers (percentages based on 95,119 total stream/river miles statewide).	xii
Table D. Support status of Idaho's lakes/reservoirs (percentages based on 469,045 total lake/reservoir acres statewide).	xii
Table E. Summary of changes to Category 5 listings for 2012.	xiv
Table F. Extent of causes of impaired stream/river assessment units, including change from 2010 to 2012.	xv
Table G. Extent of causes of impaired lake/reservoir assessment units, including change from 2010 to 2012.	xvi
Table 1. Summary of Idaho water resources.	5
Table 2. Data tier comparison.	18
Table 3. Data required to calculate temperature metrics.	26
Table 4. Category summary for streams.	30
Table 5. Category summary for lakes.	30
Table 6. Sample frame (mapped stream length) and estimates of stream length for non-target and target categories for the Idaho Wadeable Stream Survey, by DEQ region and statewide.	37
Table 7. Support status by stream length and percentage of stream length, statewide and for each of the six DEQ regions.	39
Table 8. Summary of changes to Category 5 listings for 2012.	40
Table 9. Assessment units proposed for delisting based on natural background conditions.	41
Table 10. TMDLs pending EPA approval.	43
Table 11. TMDLs in development, by region.	43
Table 12. Support status of Idaho's streams (percentages based on 95,119 total stream miles statewide).	43
Table 13. Support status of Idaho's lakes (percentages based on 469,045 total lake acres statewide).	44
Table 14. Size of streams impaired by causes.	44
Table 15. Size of lakes impaired by causes.	45
Table 16. Integrated Report development milestones.	51

List of Appendices

- Appendix A. Nonpoint source program success stories
- Appendix B. Waters on tribal land that will be affected by the new policy in the 2014 Integrated Report.
- Appendix C. List of assessment units evaluated to have zero flow.
- Appendix D. Category 1—waters of the state wholly within a designated wilderness or inventoried roadless area and presumed to be fully supporting all beneficial uses.
- Appendix E. Category 2—waters of the state fully supporting those beneficial uses that were assessed.
- Appendix F. Category 3—waters of the state with insufficient data and information to determine if beneficial uses are being attained.
- Appendix G. Category 4a—total maximum daily load completed and approved.
- Appendix H. Category 4b—waters of the state that have pollution control requirements in place other than a TMDL and are expected to meet standards.
- Appendix I. Category 4c—waters of the state not impaired by a pollutant but by pollution.
- Appendix J. Category 5 (§303(d) list)—waters of the state for which a TMDL is needed.
- Appendix K. Maps showing the status of all state waters.
- Appendix L. Assessment unit-cause combinations proposed for delisting in the 2012 Integrated Report.
- Appendix M. Hem Creek temperature delisting justification.
- Appendix N. Waters remaining from the 2002 total maximum daily load settlement agreement.
- Appendix O. §303(d) priority ranking by hydrologic unit code and year.
- Appendix P. Map of mercury-impaired water bodies.
- Appendix Q. Response to public comments.

Abbreviations, Acronyms, and Symbols

µg/L	micrograms per liter
§305(b)	refers to section 305 subsection (b) of the Clean Water Act, or a report of the water quality of all state waters required by this section
§303(d)	refers to section 303 subsection (d) of the Clean Water Act, or a list of impaired water bodies still requiring a total maximum daily load required by this section
ADB	EPA Assessment Database
AU	assessment unit
BAG	basin advisory group
BMP	best management practice
BURP	Beneficial Use Reconnaissance Program
°C	degrees Celsius
CFR	Code of Federal Regulations
CWA	Clean Water Act
DEQ	Idaho Department of Environmental Quality
EPA	US Environmental Protection Agency
GIS	geographic information system
HUC	hydrologic unit code
IDAPA	refers to citations of Idaho administrative rules
IDWR	Idaho Department of Water Resources
IFCAP	Idaho Fish Consumption Advisory Program
MDAT	maximum daily average temperature
MDMT	maximum daily maximum temperature
MWAT	maximum weekly average temperature
MWMT	maximum weekly maximum temperature
MeHg	methylmercury
NPDES	National Pollutant Discharge Elimination System
NHD	National Hydrography Dataset
PNV	potential natural vegetation
SE	standard error
SFI	stream fish index
SHI	stream habitat index
SMI	stream macroinvertebrate index
TMDL	total maximum daily load
USC	United States Code
USFS	US Forest Service
WAG	watershed advisory group
WBAG	<i>Water Body Assessment Guidance</i> , second edition
WBID	water body identification number
WQS	Idaho's water quality standards (IDAPA 58.01.02)

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Executive Summary

Idaho's 2012 Integrated Report is submitted in compliance with sections 303(d), 305(b), and 314 of the federal Clean Water Act (CWA). This biennial report describes ongoing efforts to monitor, assess, track, and restore the chemical, physical, and biological integrity of Idaho waters.

The 2012 Integrated Report incorporates a few changes from previous years:

- An executive summary that captures highlights of the 2012 Integrated Report and a comparison between the 2010 and 2012 reporting cycles
- Updated format following US Environmental Protection Agency recommendations
- Overview of the state's water protection programs
- Examples of successful restoration projects around the state
- A summary of current issues and concerns affecting Idaho water quality
- Summaries of category listings and support status

These changes are part of an ongoing effort to improve Idaho's reporting format and content in order to provide the public with a transparent, accessible, and understandable report on the condition of Idaho's waters.

2012 Report Highlights

The 2012 report includes background information about the waters of Idaho, the Idaho Department of Environmental Quality's (DEQ's) water pollution control program, special concerns affecting water quality, and surface water monitoring and assessment summaries. This document also provides an overview of Idaho's ground water monitoring and assessment and a summary of public participation in developing the Integrated Report. The following highlights are discussed in more detail in this year's Integrated Report:

- Four north Idaho streams—Tepee Creek (two segments), Yellowdog Creek, and Steamboat Creek—have been proposed for delisting from Category 4a for sediment impairment as a result of restoration activities that have successfully reduced sediment loading and restored the cold water aquatic life beneficial use.
- One southeast Idaho stream—4th-order segment of Raft River—has been proposed for delisting from Category 4a for bacteria impairment as a result of agricultural and grazing-related best management practices throughout the subbasin. These efforts have successfully reduced bacteria loading and restored the secondary contact recreation beneficial use.
- Implementation of Idaho's tribal policy has been postponed until the 2014 Integrated Report.
- DEQ's interactive map has been revised and updated for better performance and usability.
- The Idaho Wadeable Stream Survey found that nearly 60% of Idaho's wadeable streams are in good condition and over 70% are fully supporting their cold water aquatic life beneficial use.
- 397 assessment unit-cause combinations are proposed for delisting from Categories 4 and 5.

- DEQ completed the National Wetland Condition Assessment in 2011 and hopes to provide an Idaho Wetland Condition Assessment report as part of the 2014 Integrated Report.

Category Summaries

The 2012 Integrated Report presents information about the status of Idaho's waters based on DEQ data and other readily available data or information from the past five years (2008–2012). This report presents the current status of water quality in Idaho by placing all waters of the state into at least one of five categories, as described in Figure A.

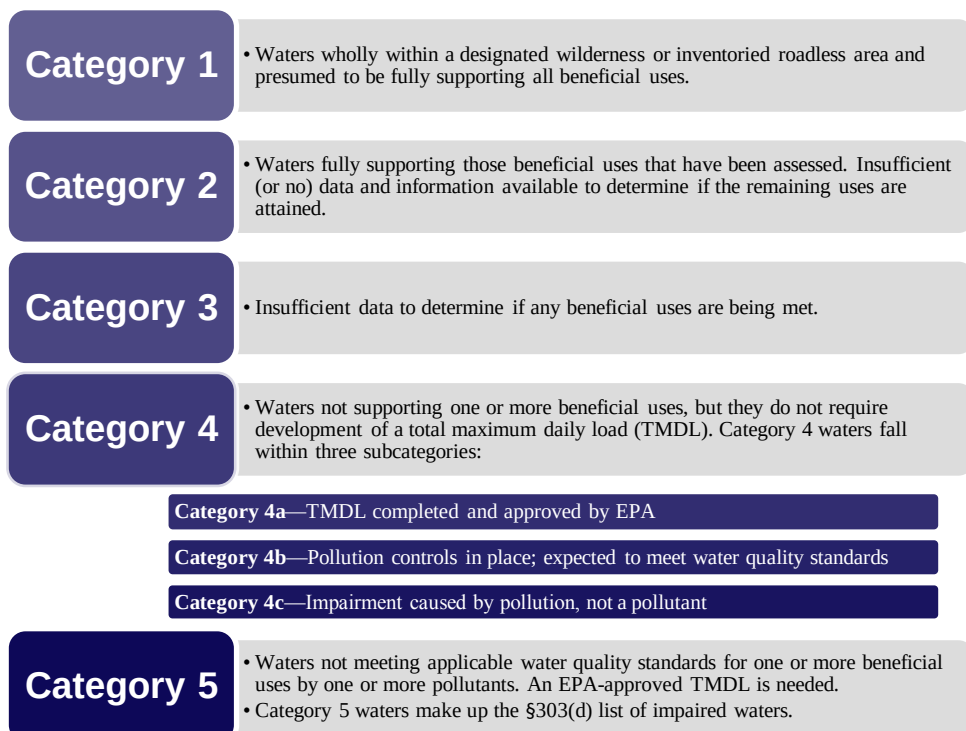
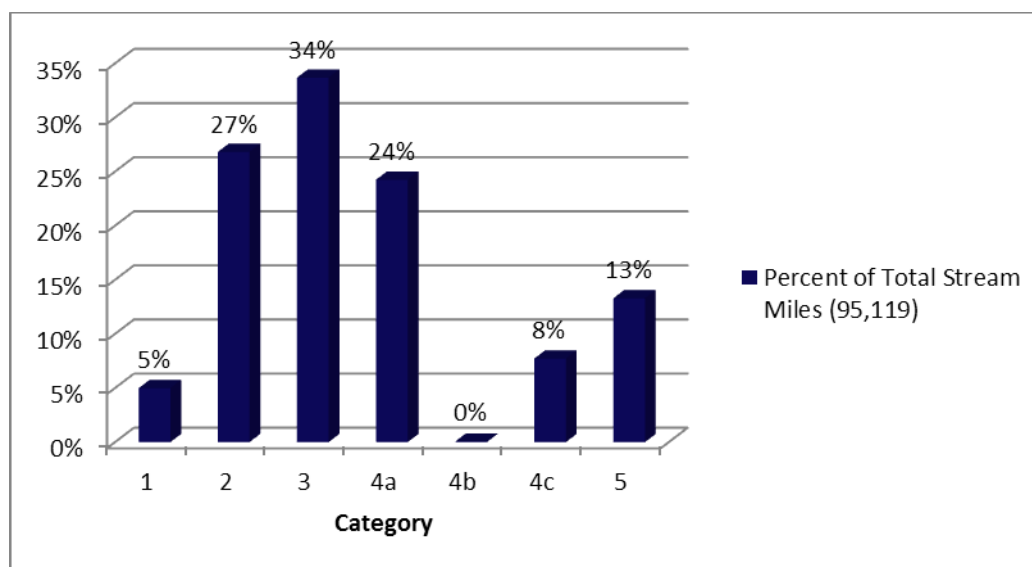


Figure A. Five categories of the Integrated Report.

Waters of the state are categorized using assessment units (AUs). An AU is a group of similar stream segments that have similar land-use practices, ownership, or land management. AUs, rather than water bodies, are classified into at least one of the five different categories. An AU may be impaired by multiple causes, and in some instances can be listed in multiple categories. As such, category listings are sometimes referred to as AU-cause combinations, rather than simply water bodies, since a particular water body may be divided into multiple AUs impaired by multiple causes. For the 2012 reporting cycle, the general category summaries for rivers and streams are presented in Table A and Figure B and lakes and reservoirs are presented in Table B and Figure C.

Table A. Category summary for rivers and streams.

Category	Miles	Number of Assessments Units
Category 1	4,751	370
Category 2	25,511	1,279
Category 3	32,036	1,568
Category 4a	23,068	2,221 ^a
Category 4b	51	4 ^a
Category 4c	7,341	547 ^a
Category 5	12,649	1,034 ^a

^a AU-cause combinations**Figure B. Category summary for streams and rivers as percent of total stream/river miles. Note that percentages total more than 100% because some stream miles are listed in more than one category.****Table B. Category summary for lakes and reservoirs.**

Category	Acres	Number of Assessments Units
Category 1	5,653	210
Category 2	22,030	40
Category 3	179,653	319
Category 4a	209,927	57 ^a
Category 4b	0	0
Category 4c	85,727	10 ^a
Category 5	204,364	34 ^a

^a AU-cause combinations

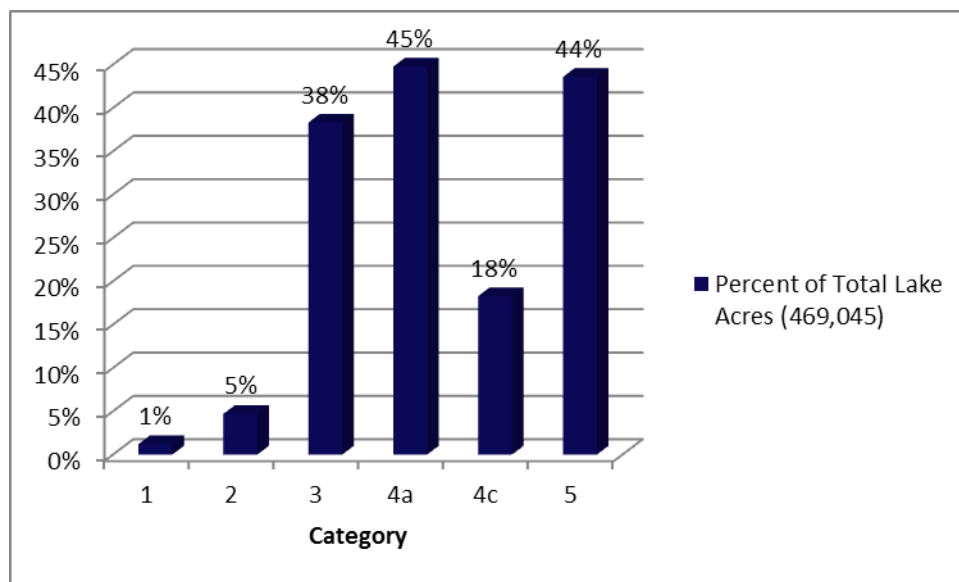


Figure C. Category summary for lakes and reservoirs as percent of total lake/reservoir acreage. Note that percentages total more than 100% because some acres are listed in more than one category.

Water bodies are considered to be fully supporting their beneficial uses if they are in Categories 1 or 2. Unassessed water bodies are those in Category 3, and water bodies not supporting their beneficial uses are those in Categories 4 and 5. The overall support status for Idaho water bodies are presented in Tables C and D.

Table C. Support status of Idaho's streams/ivers (percentages based on 95,119 total stream/river miles statewide).

Support Status	Miles (percent of total)
Fully Supporting (Categories 1 and 2)	30,337 (32%)
Not Supporting (Categories 4 and 5)	32,746 (34%)
Not Assessed (Category 3)	32,036 (34%)

Table D. Support status of Idaho's lakes/reservoirs (percentages based on 469,045 total lake/reservoir acres statewide).

Support Status	Acres (percent of total)
Fully Supporting (Categories 1 and 2)	27,683 (6%)
Not Supporting (Categories 4 and 5)	261,709 (56%) ^a
Not Assessed (Category 3)	179,653 (38%)

^a The lake and reservoir support status is based on acreage. The percentage (by area) of lakes not supporting beneficial uses is relatively high because of a few large lakes listed in Category 4 and 5.

2010–2012 Comparison

Compared to 2010, the percent of stream/river miles fully supporting beneficial uses has increased from 29% to 32%, while the percentage not fully supporting beneficial uses has decreased from 36% to 34%. For lakes/reservoirs, the percentage of acreage fully supporting beneficial uses increased from 4% to 6%, while the percentage not fully supporting beneficial uses has remained the same at 56%.

Compared to 2010, the number of stream/river AUs in Category 5 decreased by nearly 16% in 2012 (Figure D). While the number of lake/reservoir AUs in Category 5 increased just slightly, DEQ was able to decrease the number of unassessed lake/reservoir AUs (Category 3) by more than 33% (Figure E). Overall, DEQ is achieving the desired trend from cycle to cycle: increased waters in Categories 1, 2, and 4a and fewer waters in Categories 3 and 5.

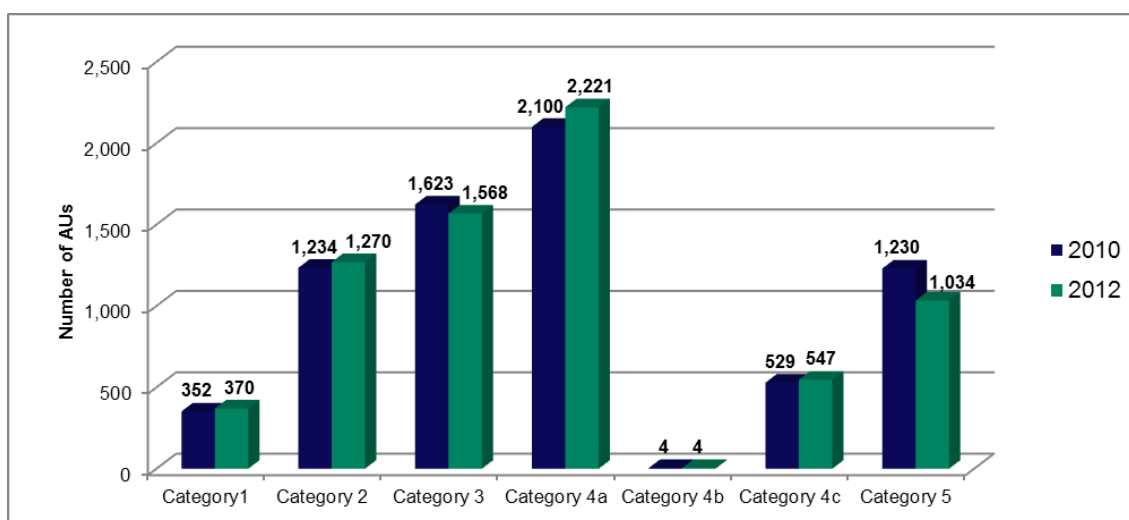


Figure D. Number of stream/river assessment units (AUs) in Categories 1–5 of the Integrated Report in 2010 and 2012.

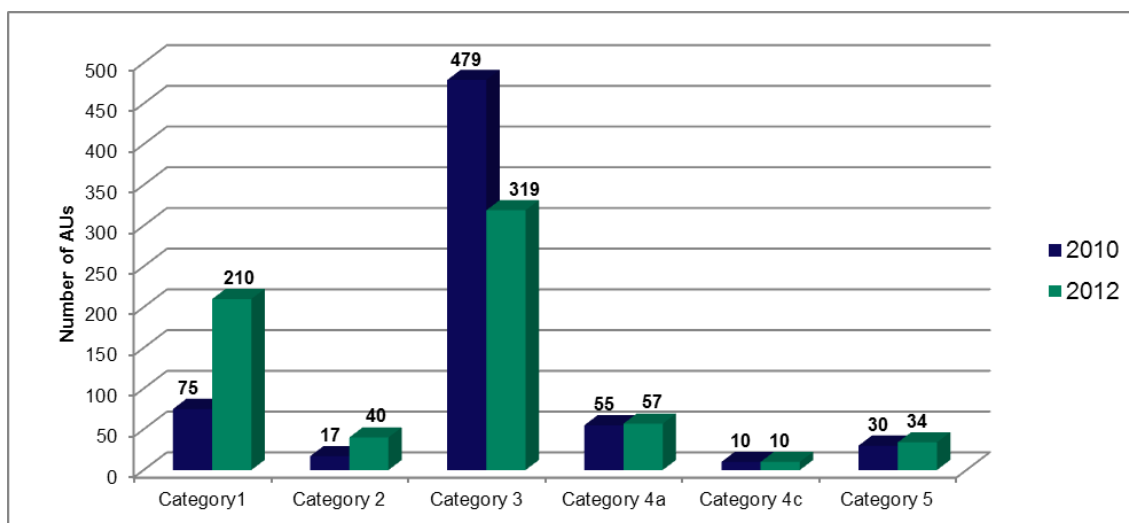


Figure E. Number of lake/reservoir assessment units (AUs) in Categories 1–5 of the Integrated Report in 2010 and 2012. (No lake/reservoir AUs were in Category 4b either year.)

The 2012 reporting cycle added 50 new listings to Category 5: 35 AU-cause combinations were added due to new readily available data; 5 were delisted for fecal coliform and relisted for *Escherichia coli* (due to a change in Idaho's water quality standards); 4 were the result of re-listing causes that were erroneously deleted in previous cycles; 3 were the result of creating new AUs; 2 were the result of changing the listed cause; and 1 was due to an error not captured during the development of the 2010 Integrated Report (Table E).

Table E. Summary of changes to Category 5 listings for 2012.

Integrated Report Year/Reason	Category 5 AU-Cause Combinations
New listings	
2012 total new Category 5 listings	50
<ul style="list-style-type: none"> • Additional Category 5 listings caused by creating a new assessment unit (AU) • Errors discovered in the 2010 Integrated Report • Delisted fecal coliform and listed <i>Escherichia coli</i> due to change in water quality standards made in 2000 • Causes erroneously deleted in previous reporting cycles • Replaced previously listed causes with a different cause • Additional Category 5 listings based on new readily available data 	3 1 5 4 2 35
Delistings	
2012 delistings (other than new total maximum daily loads [TMDLs])	165
2012 delistings due to approved TMDLs	124^a

^a 55 additional AU-pollutant TMDL s were completed and approved by the US Environmental Protection Agency (EPA) during this reporting cycle, but these were for AU-pollutant combinations that were not previously listed in Category 5 (§303(d) list) (i.e., unlisted but impaired). Of the 124 statewide TMDLs, a portion of these waters are located on tribal land, where DEQ worked cooperatively with the tribes and EPA to develop TMDLs.

Surface waters can be placed in Category 5 for a variety of causes. The following tables summarize the causes for Idaho's assessed waters to not fully support their beneficial uses. Table F lists the causes for streams and rivers, while Table G provides listed causes for lakes and reservoirs. These tables also show whether the total extent of these causes has increased or decreased from 2010 to 2012. Note that a biological impairment can be identified by any of the following causes: habitat assessment (streams), benthic-macroinvertebrate bioassessments, fishes bioassessments, cause unknown, and combined biota/habitat bioassessments.

Table F. Extent of causes of impaired stream/river assessment units, including change from 2010 to 2012.

Cause	2010 Extent (miles)	2012 Extent (miles)	Change: 2010–2012 (miles)
Ammonia (Un-ionized)	355	348	-7
Antimony	0	5	5
Aquatic Plant Bioassessments	10	10	0
Arsenic	10	41	31
Benthic-Macroinvertebrate Bioassessments	117	79	-38
Cadmium	300	300	0
Cause Unknown	1,896	979	-917
Chlorpyrifos	34	108	74
Combined Biota/Habitat Bioassessments	4,549	3,827	-722
Copper	21	21	0
Dissolved Gas Supersaturation	83	68	-15
<i>Escherichia coli</i>	1,911	1,976	65
Fecal Coliform	1,389	945	-444
Fishes Bioassessments	284	99	-185
Habitat Assessment (Streams)	211	8	-203
Lead	255	255	0
Malathion	0	30	30
Mercury	310	313	3
Methyl Parathion	0	20	20
Nitrogen (Total)	3	3	0
Nutrient/Eutrophication Biological Indicators	714	244	-470
Oil and Grease	348	348	0
Oxygen, Dissolved	373	355	-18
Particle distribution (Embeddedness)	3	2	0 ^a
pH	22	0	-22
Phosphorus (Total)	79	78	0 ^a
Sedimentation/Siltation	4,780	2,504	-2,276
Selenium	152	152	0
Temperature, water	7,364	5,302	-2,062
Total Suspended Solids (TSS)	150	150	0
Zinc	304	304	0

^a The small change between the 2010 and 2012 mileage is due only to rounding or database reconciliation. No actual change occurred for the listings associated with this cause.

Table G. Extent of causes of impaired lake/reservoir assessment units, including change from 2010 to 2012.

Cause	2010 Extent (acres)	2012 Extent (acres)	Change: 2010–2012 (acres)
Cadmium	27,968	27,262	-706
Cause Unknown	376	0	-376
Chlorophyll a	55,519	0	-55,519
<i>Escherichia coli</i>	494	493	0 ^a
Lead	27,968	29,840	1,872
Mercury	117,281	118,680	0 ^b
Nutrient/Eutrophication Biological Indicators	55,860	55,850	0 ^c
Oxygen, Dissolved	55,519	55,509	0 ^c
Sedimentation/Siltation	55,519	55,509	0 ^c
Temperature, water	230	229	0 ^a
Total Phosphorus	6,057	0	-6,057
Zinc	27,968	28,423	455

^a The small change between the 2010 and 2012 acreage is due only to rounding or database reconciliation. No actual change occurred for the listings associated with this cause.

^b The difference is caused by the acreage reported for Snake River Hells Canyon AU ID17050201SW001_08. When the water body type was changed from river to freshwater lake during the 2010 reporting cycle, the acreage reported in the database was wrong. Therefore, there is no new mercury impaired lakes/reservoir listings for the 2012 Integrated Report.

^c The reduction is due to reconciling the acreage of American Falls Reservoir AU ID17040206SK001L_0L in the database. No change in listed acres for this cause actually took place.

The leading causes of impairment in streams and rivers are temperature, combined biota/habitat bioassessments, sedimentation/siltation, *Escherichia coli* (*E. coli*), and cause unknown. With the exception of *E. coli*, these causes have declined since the 2010 cycle (Table F) due to improved data quality assurance/quality control, better database management, development of total maximum daily loads (TMDLs), and implementation plans. The decline in cause unknown and combined biota/habitat bioassessments is the result of identifying the cause of the biological impairment during TMDL development.

Increased *E. coli* in a watershed could be attributed to increased bacteria monitoring or sources such as agriculture, wildlife, wastewater treatment plants, runoff, or leaking septic systems. However, the main reason for the increase in the mileage of Idaho streams/rivers listed for *E. coli* in this reporting cycle is due to the change made to Idaho's water quality standards in 2000. Idaho's standards changed from fecal coliform to a more precise indicator of fecal contamination, *E. coli*. When *E. coli* data are collected on a water body listed for fecal coliform, the fecal coliform cause is delisted and replaced with *E. coli* if the data indicate impairment.

As DEQ continues to improve data management and correct legacy issues from past integrated reporting cycles, one can expect to see certain causes decline and others increase. Until DEQ develops standardized methods for monitoring and assessing lakes and reservoirs, causes associated with lake impairments will change only when DEQ participates in larger lake monitoring projects or acquires new data from outside entities.

1 Introduction

The Integrated Report is a compilation of information about the water quality status of all Idaho waters and is a requirement of the Clean Water Act (CWA). Every 2 years, the report is developed and discussed with the watershed advisory groups (WAGs) and basin advisory groups (BAGs), prepared for public comment, submitted to the US Environmental Protection Agency (EPA), and made available to the public. The 2012 Integrated Report presents information about the status of Idaho's waters based on Idaho Department of Environmental Quality (DEQ) data and other readily available data or information from the past five years (2008–2012). This document presents background information about the waters of Idaho, DEQ's water pollution control program, and special concerns affecting water quality. Also presented are surface water monitoring and assessment summaries, including a discussion about public health issues. This document also provides an overview of Idaho's ground water monitoring and assessment and a summary of public participation in developing the Integrated Report. The appendices provide supporting information.¹

1.1 Purpose of the Integrated Report

The Integrated Report serves several functions:

- It satisfies the reporting requirements of sections 303(d), 305(b), and 314 of the CWA, including the section 305(b) reporting requirement for section 106 grant funds.
- It informs the public about the status of state waters, enabling interested parties to comment on the status of all of Idaho's waters and provide any relevant data.
- It provides a unique opportunity for the public to understand the overall status of Idaho's water quality and gain a better understanding of how DEQ is maintaining, improving, and protecting Idaho's waters.

1.2 Federal Requirements

The CWA requires the state to prepare a report listing the current condition of all state waters—including the status and trends of significant publicly owned lakes—and those waters that are impaired and needing a total maximum daily load (TMDL). The first list is referred to as the §305(b) list, which includes §314-requirements for reporting on the status of publicly owned lakes, and the second is the §303(d) list. Both lists are named in accordance with the sections of the CWA where they are defined; together, and with additional supplementary information, they are known as the Integrated Report (Figure 1). Impaired waters listed on the §303(d) list are just some of the state's waters, or simply a subset of those on the §305(b) list.

¹ The information in this document does not supersede the *Water Body Assessment Guidance* (WBAG) (Grafe et al. 2002); it provides additional guidance for determining beneficial use support status and water quality standard exceedances for listing of impaired waters.

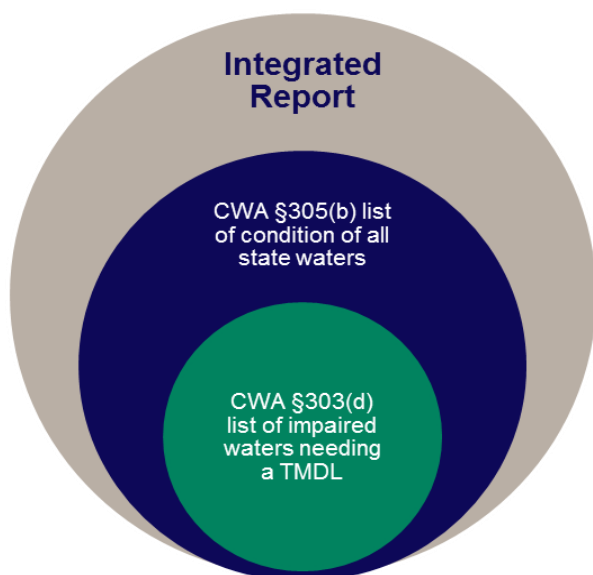


Figure 1. Components of the Integrated Report.

EPA requirements for the Integrated Report come from several sources (Figure 2):

- The CWA (33 USC §1251 et seq. (1972)), which is the major environmental law requiring the Integrated Report.
- EPA regulations contained within Title 40 of the Code of Federal Regulations (CFR) (part 130.0 through 130.12), which are the set of federal regulations implementing the CWA.
- EPA guidance documents assisting states with assessments, listings, and reporting requirements pursuant to sections 303(d), 305(b), and 314 of the CWA. These documents are available on EPA's website: www.epa.gov/owow/tmdl/guidance.html.

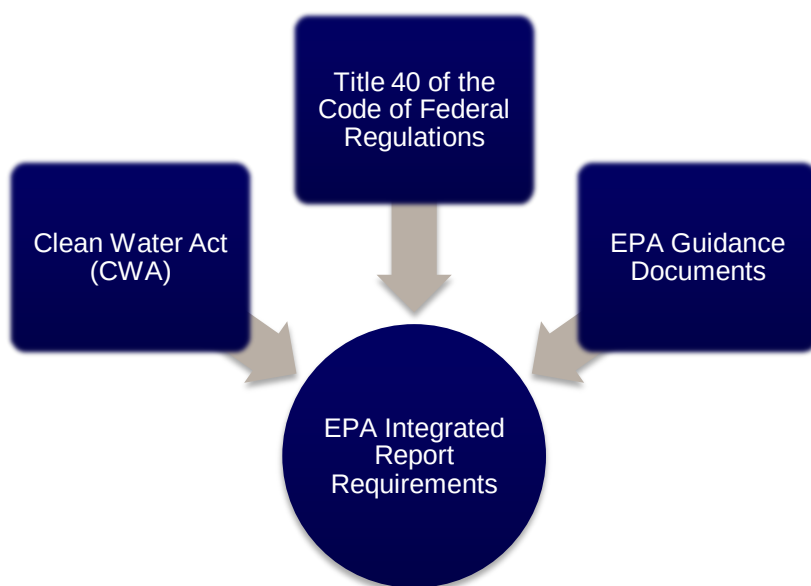


Figure 2. Federal requirements for the 2012 Integrated Report come from several sources.

The CWA calls on states to conduct specific activities to monitor and protect their waters:

- Develop and adopt water quality standards to protect beneficial uses (Section 303)
- Establish monitoring programs to collect and analyze data regarding water quality (Section 106)
- Report on the status of water bodies and the degree to which beneficial uses are supported (Section 305(b) and Section 314)
- Identify and prioritize waters that are not meeting water quality standards (Section 303(d))

In addition, federal regulations contained within 40 CFR 130.7(b) describe requirements for identifying and establishing priorities for the water quality–limited segments still requiring TMDLs:

- (1) Each State shall identify those water quality-limited segments still requiring TMDLs within its boundaries for which:
 - (i) Technology-based effluent limitations are required by sections 301(b), 306, 307, or other sections of the Act [CWA];
 - (ii) More stringent effluent limitations (including prohibitions) required by either State or local authority preserved by section 510 of the Act, or Federal authority (law, regulation, or treaty); and
 - (iii) Other pollution control requirements (e.g., best management practices) required by local, State, or Federal authority are not stringent enough to implement any water quality standards (WQS) applicable to such waters.
- (2) Each State shall also identify on the same list developed under paragraph (b)(1) of this section [40 CFR 130.7 (b)(1)] those water quality-limited segments still requiring TMDLs or parts thereof within its boundaries for which controls on thermal discharges under section 301 or State or local requirements are not stringent enough to assure protection and propagation of a balanced indigenous population of shellfish, fish, and wildlife. (40 CFR 130.7(b))

1.3 Integrated Report Categories

The Integrated Report places all state water bodies into at least one of five different categories. These categories describe how a water body relates to its beneficial uses. “Support” of a beneficial use is defined in IDAPA 58.01.02.010.41.

- **Category 1** waters are wholly within a designated wilderness or inventoried roadless area and presumed to be fully supporting all beneficial uses.
- **Category 2** waters are fully supporting those beneficial uses that have been assessed. The use attainment of the remaining beneficial uses has not been determined due to insufficient data (or no data) and information.
- **Category 3** waters have insufficient data (or no data) and information to determine if beneficial uses are being attained.
- **Category 4** waters do not support one or more beneficial uses, but they do not require the development of a TMDL. Category 4 has three subcategories:
 - **Category 4a** waters have had a TMDL completed and approved by EPA.

- **Category 4b** waters have had pollution control requirements other than a TMDL placed on them, and these waters are reasonably expected to attain the water quality standard within a reasonable period of time.
- **Category 4c** waters are those failing to meet applicable water quality standards due to other types of pollution, not a pollutant (e.g., flow alteration).
- **Category 5** waters do not meet applicable water quality standards for one or more beneficial uses due to one or more pollutants; therefore, an EPA-approved TMDL is needed. Category 5 water bodies make up the §303(d) list of impaired waters.

An assessment unit (AU) is a group of similar stream segments that have similar land-use practices, ownership, or land management. AUs, rather than water bodies, are classified into at least one of the five different categories. An AU may be impaired by multiple causes, and in some instances can be listed in multiple categories. As such, category listings are sometimes referred to as AU-cause combinations, rather than simply water bodies, since a particular water body may be divided into multiple AUs impaired by multiple causes.

2 Background Information

Idaho is the 14th most expansive, 39th most populous, and 7th least densely populated of the 50 United States. According to the *Idaho Land Use Analysis* conducted in 2010, Idaho was the 12th fastest growing state (by population) in the country (BSU et al. 2010). Approximately 1.6 million people live within Idaho's 82,643 square miles.

Idaho's landscape is rugged, with some of the largest natural areas in the country, abundant natural resources, and numerous scenic areas. The state has snow-capped mountain ranges, world-class rapids, vast lakes, and steep canyons (Figure 3).

Land use in Idaho can be broadly categorized into urban/suburban, agricultural, and undeveloped uses. Highly concentrated and expanding urban and industrial centers along with shrinking agricultural and undeveloped areas characterize Idaho's current land use trends. Because of the increasing population and variable land uses, the state's streams, lakes, and ground water are affected to varying degrees by point and nonpoint sources of pollution.

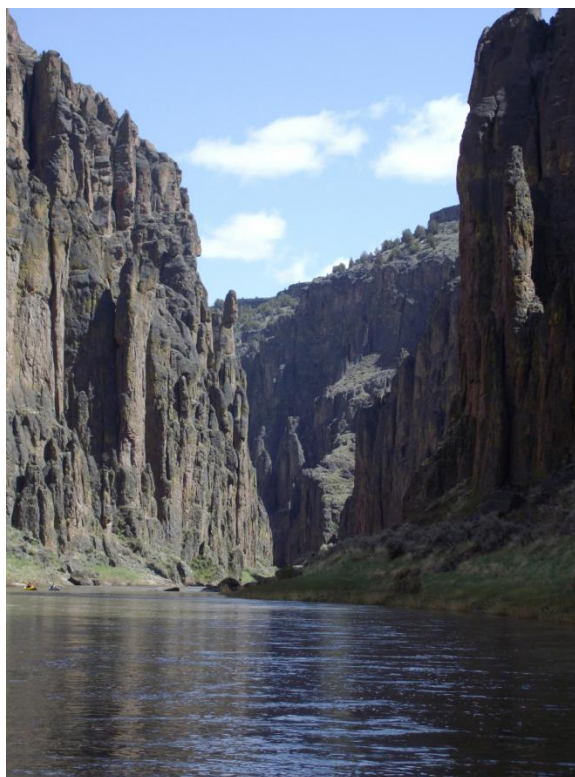


Figure 3. The Owyhee River near the Oregon border.

2.1 Scope of Waters in the Integrated Report

With over 95,000 miles of streams and rivers (hereafter collectively referred to as streams) and over 460,000 acres of lakes and reservoirs (hereafter collectively referred to as lakes), water is one of Idaho's most important resources. These streams and lakes, along with their associated wetlands, not only provide great natural beauty, they supply the water necessary for drinking, recreation, industry, agriculture, and aquatic life. A summary of the state's water resources is presented in Table 1. Idaho's water resources are grouped into 6 basins and 86 subbasins, 2 of which do not contain any waters of the state and thus are not included in Idaho's water quality standards (Figure 4). Stream mileage and lake acreage are based on the National Hydrography Dataset (NHD) 1:100,000-mile scale.

Table 1. Summary of Idaho water resources.

Topic	Value	Scale	Source ^a
State Population (estimate 2012)	1,595,728	n/a	US Census Bureau
Number of basins	6	1:100,000	NHD
Number of subbasins (4th-order HUCs) ^b	86	1:100,000	NHD
Number of assessment units	5,754	n/a	ADB
Total number of river and stream miles	95,119 ^c	n/a	ADB
- Number of perennial river miles	49,497	1:100,000	NHD
- Number of intermittent stream miles	42,754	1:100,000	NHD
- Number of ditch miles	9,113	1:100,000	NHDPlus-Version 2
Acres of lakes and reservoirs	469,045	n/a	ADB
Acres of freshwater wetlands	712,270	1:100,000	USGS
Miles of river wholly or partially on tribal land	3,416	1:100,000	NHD
Acres of lake wholly or partially on tribal land	106,808	1:100,000	NHD

^a National hydrography dataset (NHD); US Environmental Protection Agency's Assessment Database (ADB); US Geological Survey (USGS)

^b Hydrologic unit codes (HUCs) refer to the 4th-field (level) of a nested series of numbered and named watersheds arising from a national standardization of watershed delineation by the US Geological Survey. Originally termed a cataloging unit, 4th-field hydrologic units have been more commonly called subbasins.

^c The number of perennial, intermittent, and ditch/canal/pipeline miles exceed the total miles because artificial paths and connectors that network or connect the hydrograph between rivers to lakes, swamps, and marshes create additional miles, as do portions of the artificial paths that were originally mapped as polygons in NHD data sets.



2.1.1 Assessment Units

AUs define all the waters of Idaho and are referenced by an alphanumeric code and a written description. Using AUs to describe waters of Idaho offers many benefits, primarily that all waters of the state are defined consistently, which is a fundamental requirement of §305(b) reporting. An AU is a collection of similar waters with similar land use cover, ownership, or land management that is expected to possess similar water quality. AUs are subsets of larger groupings defined by water body identification numbers (WBIDs), which are subsets of still larger groupings defined by hydrologic unit codes (HUCs) (Figure 5). Because AUs are extensions of WBIDs, they have a direct tie to the water quality standards so that beneficial uses defined in the standards are clearly tied to water bodies on the landscape. Based on 4th-field hydrologic units (8-digit codes), Idaho has 86 HUCs, 2 of which do not contain any waters of the state and thus are not included in Idaho's water quality standards; 2,648 WBIDs; and 5,754 AUs. Since the 2010 Integrated Report, 21 new AUs have been added as a result of correcting digitizing errors and AU splits, and 13 AUs have been deleted as a result of digitizing errors and changes to the US Geological Survey Watershed Boundary Datasets.

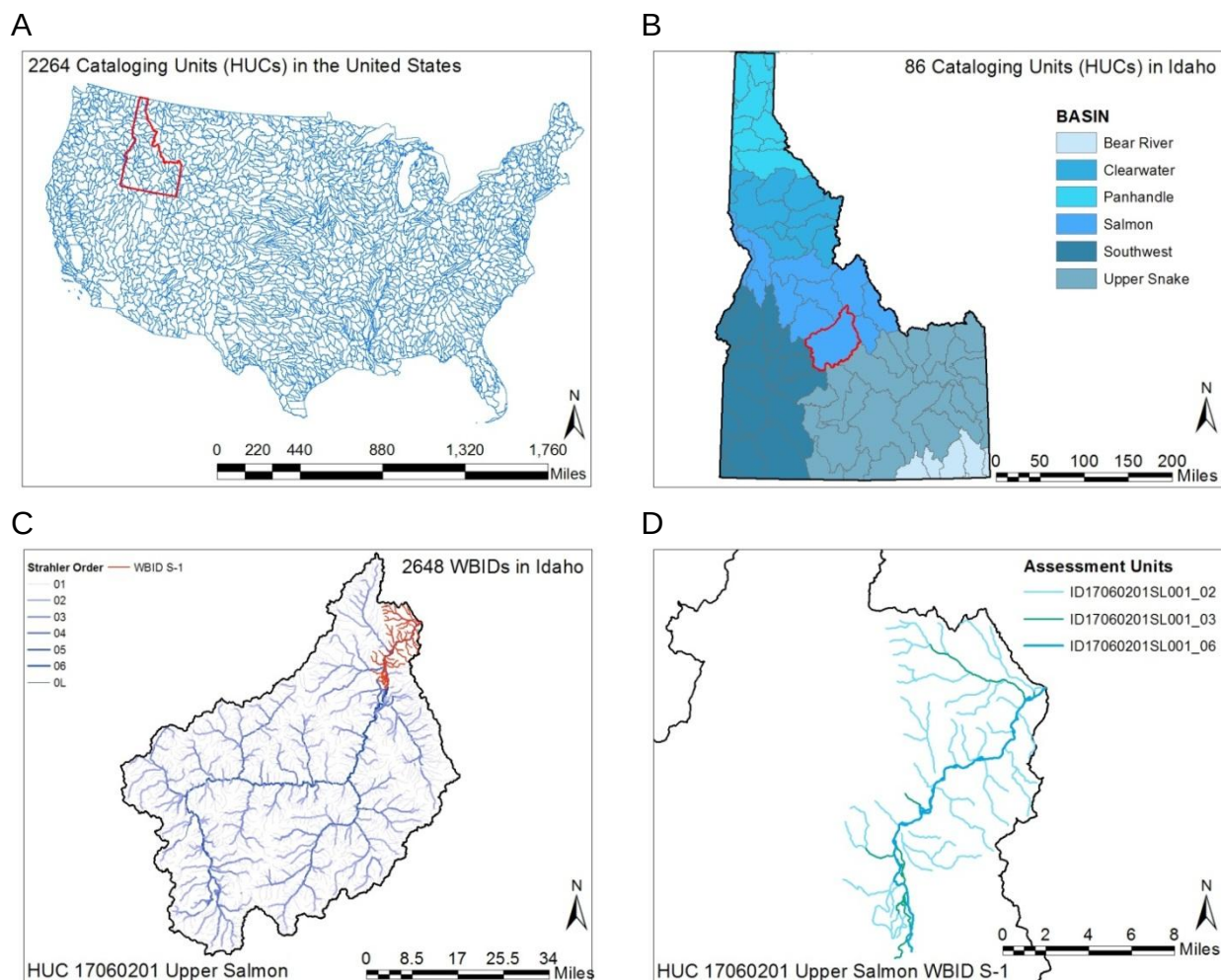


Figure 5. Relationship between 4th-field hydrologic unit codes (HUCs), water body IDs (WBIDs), and assessment units (AUs). (A) Level 4 cataloging units (HUCs) in the nation. (B) 86 HUCs in Idaho (the highlighted HUC is 17060201 Upper Salmon in central Idaho). (C) HUC 17060201, Upper Salmon River, with WBID S-1 highlighted in red. (D) WBID S-1 subdivided into three different AUs.

2.2 Water Pollution Control Program

DEQ's Water Quality Division is responsible for ensuring that the state's surface, ground, and drinking water resources meet state water quality standards. Within the division, the Surface Water Program is responsible for ensuring Idaho's streams, lakes, and wetlands meet their beneficial uses and Idaho water quality standards. The following subprograms help support that goal.

2.2.1 Water Quality Standards Program

Water quality standards are the benchmarks DEQ uses to gauge protection of Idaho's surface waters. The Idaho Water Quality Standards Program is a joint effort between DEQ and EPA. DEQ is responsible for developing and enforcing water quality standards that protect beneficial uses such as drinking water, cold water aquatic life, industrial water supply, recreation, and agricultural water supply. EPA develops regulations, policies, and guidance to help Idaho implement the program and to ensure that Idaho's adopted standards are consistent with the requirements of the CWA and relevant regulations. EPA has authority to review and approve or disapprove state standards and, where necessary, to promulgate federal water quality rules.

For more information on Idaho's Water Quality Standards Program, see <http://www.deq.idaho.gov/water-quality/surface-water/standards.aspx>.

2.2.2 Point Source Control Program—§401 Water Quality Certification

According to the CWA, a point source of pollution is “any discernible, confined, and discrete conveyance” of pollution. One of the primary ways that Idaho controls point source pollution is through its §401 Water Quality Certification Program. Section 401 of the CWA requires state certification for any permit or license issued by a federal agency for an activity that may result in a discharge into waters of the United States. DEQ is responsible for issuing certifications in Idaho for the following types of federal permits or licenses:

- **National Pollutant Discharge Elimination System (NPDES) Permits:** The NPDES program requires facilities discharging from a point source such as a pipe into waters of the United States to obtain discharge permits. EPA is responsible for permitting and enforcing all NPDES permits in Idaho. See <http://www.deq.idaho.gov/permitting/water-quality-permitting/npdes.aspx> for more information.
- **§404 Dredge and Fill Permits:** The federal CWA requires a permit to conduct water-related construction activities, such as fills for development, water resource projects, and infrastructure development. The US Army Corps of Engineers is responsible for issuing dredge and fill permits in Idaho. Learn more at <http://www.deq.idaho.gov/permitting/water-quality-permitting/dredge-fill.aspx>.
- **Hydroelectric Power Plants:** State certification is required before the Federal Energy Regulatory Commission may license or relicense nonfederal hydroelectric dams. For more information, see <http://www.deq.idaho.gov/permitting/water-quality-permitting/hydropower-plants.aspx>.

This requirement allows each state to have input into federally approved projects that may affect its waters (streams, lakes, and wetlands) and to ensure the projects will comply with state water quality standards and any other water quality requirements of state law. Any §401 certification in Idaho also ensures that the project will not adversely impact impaired waters and that the project

complies with applicable TMDLs. A summary of recent developments and information concerning §401 certifications can be found at the DEQ's §401 Certification Program webpage, <http://www.deq.idaho.gov/water-quality/surface-water/standards/401-certification.aspx>.

2.2.3 Nonpoint Source Control Program

DEQ developed Idaho's initial nonpoint source program in 1989 through the coordinated efforts of representatives of numerous organizations having an interest in the management of nonpoint source water pollution. Idaho has ambitiously pursued implementation of its program, dedicating personnel and monetary resources to the advancement of nonpoint source water pollution control activities. The following memoranda of understanding guide DEQ's cooperative approach toward nonpoint source management efforts:

- *Memorandum of Understanding Implementing the Nonpoint Source Water Quality Program in the State of Idaho*—Outlines the roles and responsibilities of the parties in implementing the nonpoint source water quality provisions of the federal CWA for the State of Idaho.
- *Appendix to the Memorandum of Understanding Implementing the Nonpoint Source Water Quality Program in the State of Idaho Specifying Implementation of the Agricultural Pollution Abatement Plan, 1991*—Identifies roles and responsibilities for implementing the Idaho Agricultural Pollution Abatement Plan (Ag Plan).

These and other DEQ memoranda of agreement are available at <http://www.deq.idaho.gov/laws,-rules,-etc/memoranda-of-understanding.aspx>.

The goal of DEQ's Nonpoint Source Management Program is to prevent and eliminate water pollution from nonpoint sources in all water bodies in the state. The program focuses predominantly on implementing water quality activities prescribed in TMDLs. Activities are designed to protect and restore beneficial uses and to prevent significant threats from present and future activities from degrading water quality.

EPA has recently highlighted success stories from four north Idaho streams and one stream in southern Idaho. Tepee Creek (two segments), Yellowdog Creek, and Steamboat Creek—all in northern Idaho—have been removed from Category 4a and reported as nonpoint source program success stories by EPA. Restoration activities have successfully reduced sediment loading and restored the cold water aquatic life beneficial use. The water bodies total nearly 73 miles and are located within the Idaho Panhandle National Forests. These success stories represent decades of restoration work led by the US Forest Service (USFS) to reduce nonpoint source pollution and attain sediment TMDL goals. In southern Idaho, the 4th-order segment of Raft River has been removed from Category 4a for bacteria impairment as a result of agricultural and grazing-related best management practices throughout the subbasin. These efforts have successfully reduced bacteria loading and restored the secondary contact recreation beneficial use. Each of these efforts are summarized below. The full success story reports can be found in Appendix A and on EPA's website (<http://water.epa.gov/polwaste/nps/success319>).

Yellowdog Creek: Eroding forest roads contributed excessive sediment to northern Idaho's Yellowdog Creek. As a result, the Yellowdog Creek AU, encompassing 12.2 stream miles, was added to the state's 1994 §303(d) list for sediment impairment. Beginning in 2000, the USFS removed or repaired failing roads, restored riparian areas, and implemented instream habitat improvement projects (Figure 6). Sediment loads in Yellowdog Creek have declined, and monitoring results show that sediment no longer impairs coldwater aquatic life such as the native westslope cutthroat trout. Therefore, DEQ will remove the Yellowdog Creek AU from the state's list of impaired waters for sediment.



Figure 6. Large woody debris added to Yellowdog Creek to restore in-stream habitat.

Steamboat Creek: A 7-mile segment of Steamboat Creek was added to the state's 1994 §303(d) list for sediment impairment due to impacts from roads and other activities. Beginning in 1992, the USFS–Idaho Panhandle National Forests removed or repaired failing roads, restored riparian areas, and implemented instream habitat improvement projects (Figure 7). Sediment loads in Steamboat Creek have declined, and monitoring results from DEQ's Beneficial Use Reconnaissance Program (BURP) and the USFS PACFISH/INFISH Biological Opinion Effectiveness Monitoring Program show that physical habitat has improved, macroinvertebrate populations are more diverse, and fisheries include native species associated with good water quality. Sediment no longer impairs cold water aquatic life and DEQ will remove the Steamboat Creek AU from the state's list of impaired waters for sediment.

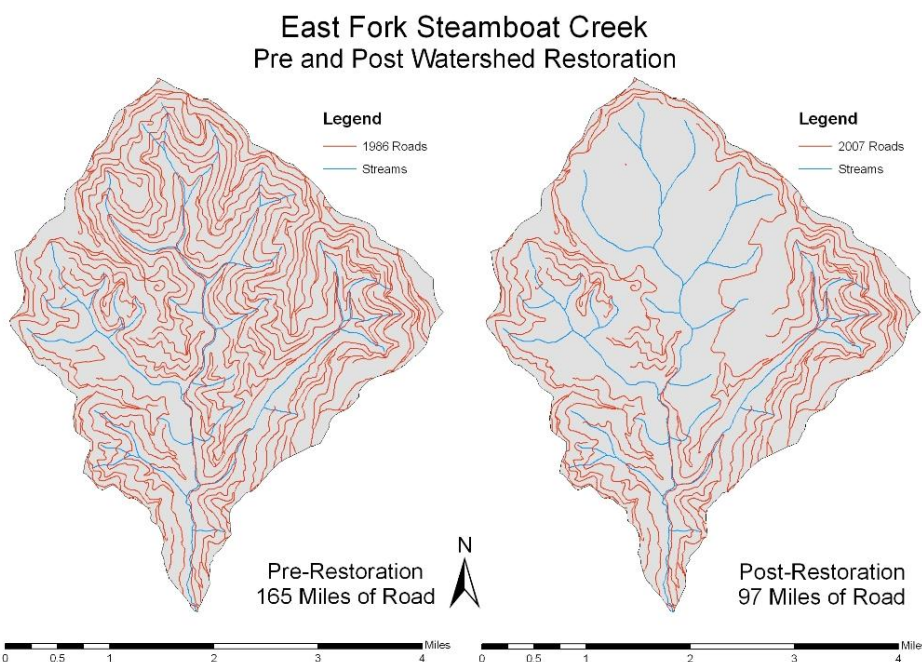


Figure 7. Road density in East Fork Steamboat Creek watershed before and after restoration projects.



Figure 8. Restored stream habitat on Upper Tepee Creek resulted in reduced sediment levels.

Upper Tepee Creek: The Upper Tepee Creek AU is located in the headwaters of the North Fork Coeur d'Alene River subbasin and consists of 49 stream miles. It was added to the state's §303(d) list for sediment impairment in 1994. Intensive timber harvesting and associated road building occurred in the watershed from the 1930s to the 1990s. Culvert failures and eroding roads (particularly at stream crossings and in riparian areas) contributed large amounts of sediment to streams. Since the 1990s, watershed stakeholders led by the USFS have removed or repaired failing roads and restored

stream habitat (Figure 8). These activities have greatly reduced sediment levels, improved aquatic habitat, and enhanced an important cutthroat trout fishery. Based on recent monitoring results, DEQ will remove Upper Tepee Creek from the state's list of impaired waters for sediment.

Middle Tepee Creek: The Middle Tepee Creek AU is the 4.6 miles of Tepee Creek downstream from Upper Tepee Creek described above. In 1994, the stream was added to Idaho's §303(d) list due to excessive sediment. Culvert failures and eroding roads (particularly at stream crossings and in riparian areas) contributed large amounts of sediment to streams. Beginning in the 1990s, the USFS began projects to address eroding forest roads. In 2000, the USFS initiated the Tepee Creek Meadows Restoration Project, a major stream restoration effort along the main stem of Tepee Creek. The project restored fish habitat and riparian function along a 7,200-foot degraded section of the creek and adjacent meadow complex (Figure 9). The USFS partnership with the North Idaho Fly Casters and others contributed to the project's success. Recent monitoring results from BURP and the USFS PACFISH/INFISH Biological Opinion Effectiveness Monitoring Program indicate improved physical habitat, macroinvertebrates community, and fisheries. Sediment no longer impairs cold water aquatic life, and DEQ will remove Middle Tepee Creek from the state's list of impaired waters for sediment.



Figure 9. Middle Tepee Creek after reconstruction of meanders and revegetation, 2008.

The USFS partnership with the North Idaho Fly Casters and others contributed to the project's success. Recent monitoring results from BURP and the USFS PACFISH/INFISH Biological Opinion Effectiveness Monitoring Program indicate improved physical habitat, macroinvertebrates community, and fisheries. Sediment no longer impairs cold water aquatic life, and DEQ will remove Middle Tepee Creek from the state's list of impaired waters for sediment.

Raft River: A 19-mile segment of Raft River was added to the state's 1994 §303(d) list for bacteria, sediment, and other pollutants due to historical agriculture and grazing land uses. As early as the 1990s, watershed partners were working to reduce pollution in the Raft River. DEQ used CWA §319 funds to support a Raft River riparian and watershed demonstration project in 1999–2001. Project partners worked with property owners to stabilize streambanks, install

erosion control best management practices (BMPs), and revegetate barren areas. Between 2004 and 2008, the US Department of Agriculture's Natural Resources Conservation Service, the Idaho Soil and Water Conservation Commission, and the East Cassia Soil and Water Conservation District worked with landowners in the Raft River subbasin to implement numerous BMPs, including livestock access controls (104,486 feet of fencing across 3,598 acres), conservation cover crops (18,574 acres), contour farming practices (5,426 acres), 23 water and sediment control basins, nutrient management plans (5,980 acres), and relocation of corrals. The BMP implementation efforts have reduced bacteria loading and restored secondary contact recreation in the 4th-order segment of Raft River (Figure 10). Therefore, DEQ will remove this Raft River AU from the state's list of impaired waters for bacteria.

For more information on Idaho's Nonpoint Source Management Program, visit

<http://www.deq.idaho.gov/water-quality/surface-water/nonpoint-source-pollution/idaho%27s-nps-management-program.aspx>.

2.2.4 TMDL Program

Section 303(d) of the CWA establishes requirements for states and tribes to identify and prioritize water bodies that do not meet water quality standards. For those water bodies not meeting water quality standards (i.e., in Category 5 of the Integrated Report), Idaho must develop a water quality improvement plan, called a TMDL. In Idaho, TMDLs are developed on a subbasin level, which means water bodies and pollutants within a hydrologic subbasin are generally addressed in a single document.

For more information about Idaho's TMDL Program, visit <http://www.deq.idaho.gov/water-quality/surface-water/tmdls.aspx>. To view a table of completed subbasin assessments, TMDLs, implementation plans, and 5-year reviews, visit <http://www.deq.idaho.gov/water-quality/surface-water/tmdls/table-of-sbas-tmdls.aspx>.

2.3 Special State Concerns and Recommendations

The following sections address special concerns that are significant issues within Idaho affecting water quality programs.

2.3.1 Tribal Waters

Based on a request from the tribes, DEQ proposed a policy in the 2010 Integrated Report where assessment determinations would not be reported for waters within the reservations (DEQ 2011a). This policy was to be fully implemented by the 2012 reporting cycle; however,

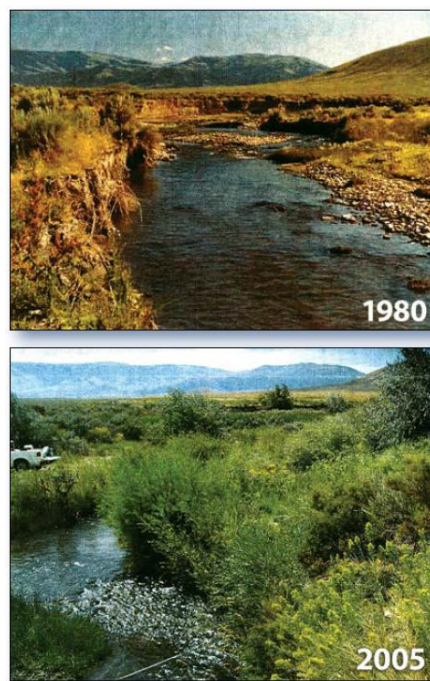


Figure 10. Raft River before and after BMP implementation efforts.

EPA expressed concerns with the proposed policy and asked DEQ to consider the following options:

1. Place all tribal waters in Category 3 (unassessed), regardless of which category they are currently located in.
2. Leave all tribal waters in the categories in which they are currently located, and indicate that the disposition of the tribal waters captured in Idaho's Integrated Report is still being considered, so no changes are being made during the 2012 cycle.
3. Place all tribal waters in a new category (i.e., not in Categories 1–5), indicating they are tribal waters and that no assessment call is being made.
4. Remove all tribal waters from Idaho's report entirely.

Given the magnitude of this issue and the resources and time required to properly implement a policy that satisfies all parties involved, DEQ has decided that option two is the most logical choice at this time. Moving forward, DEQ will be evaluating the pros and cons of each option and meeting with EPA to discuss details of the options and determine which option is most favorable to all parties. DEQ expects to propose a policy by the 2014 Integrated Report. DEQ's actions with respect to the Integrated Report and such waters do not constitute a determination, waiver, admission, or statement on the part of the State of Idaho with respect to jurisdiction over such waters or the boundaries of any tribal reservation.

Idaho has 231 AUs entirely or partially on tribal land: 215 stream AUs (3,416 miles) and 16 lake AUs (106,808 acres). Of the 215 stream AUs, 93 (1,438 miles) are entirely contained on tribal land, while 122 (1,978 miles) are partially contained. Of the 16 lake AUs, 8 (4,485 acres) are entirely contained and 8 (102,323 acres) are partially contained on tribal land (Figure 11). Refer to Appendix B for a list of waters that are within a reservation and will be affected once a policy is established and implemented by DEQ.

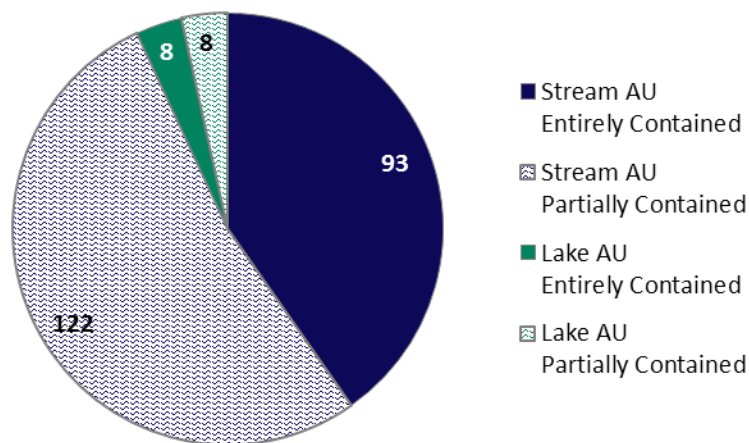


Figure 11. Assessment units (AUs) entirely or partially contained on tribal land.

2.3.2 Geography and Timing of Salmonid Spawning in Idaho

While Idaho has some waters designated for salmonid spawning in its water quality standards, many other waters where salmonid fishes may or do spawn remain undesignated. In short, Idaho's specification of where spawning occurs is incomplete.

Prior to 2000, Idaho had a table of salmonid spawning time periods, by species, in its water quality standards that applied uniformly across all waters of the state where salmonid spawning was a designated use. While this table satisfied the need to specify when spawning occurs, it was, by virtue of covering all of Idaho, very broad. In part because of the overly broad, uniform statewide time periods, DEQ often found waters that exceeded applicable criteria at some time within the broad time periods, even in waters that were by other accounts supporting salmonid spawning. To address this problem, Idaho removed the general table of salmonid spawning time periods from the water quality standards and replaced it with a site-specific process of determining when spawning occurs. In accordance with IDAPA 58.01.02.250.f, this process calls for "...taking into account knowledge of local fisheries biologists, published literature, records of the Idaho Department of Fish and Game, and other appropriate records of spawning and incubation." This process is further described in Appendix F of Idaho's *Water Body Assessment Guidance* (WBAG) (Grafe et al. 2002).

While it would be ideal to specify water body by water body if spawning occurs and when, DEQ suspects actual information may not support this level of detail for all water bodies in Idaho's water quality standards, nor is that level of specificity desirable for incorporation in the standards. Therefore, DEQ is investigating the physical, geological, hydrological, atmospheric, chemical, and biological measures necessary to specify when spawning occurs.

2.3.3 Monitoring for the Effects of Nutrients

EPA has identified nutrient impacts on surface waters as a leading cause of impairment to beneficial uses. Idaho's narrative criterion for nutrients states that surface waters of the state shall be free from excess nutrients that can cause visible slime growths or other nuisance aquatic growths impairing designated beneficial uses. However, Idaho's water body assessment procedures do not address identification of specific impairments due to nutrients. Therefore, DEQ is pursuing a revision of these procedures and is interested in adding indicators of nutrient impairments based on physical, geological, hydrological, atmospheric, chemical, and biological measures necessary to the assessment process. DEQ is conducting a study to provide a strong scientific analysis of the variables that affect nutrient impairment of surface waters.

The purpose of the project is to identify levels of visible slime or nuisance aquatic growths that impair beneficial uses and attempt to develop a correlation between these levels in streams with levels of phosphorus and/or nitrogen in the water. This study will evaluate and outline methods to identify and quantitate various confounding variables that may affect algal/macrophyte growth due to nutrient impacts (e.g., turbidity, pH, temperature, total suspended sediment, conductivity, flow). Other parameters that will be monitored include ash-free dry mass, chlorophyll-*a* (both benthic and sestonic), and benthic diatom species. Methods for collecting ash-free dry mass and chlorophyll-*a* will be outlined in the quality assurance project plan.

The data gathered at sites representative of the range of nutrient and algal mass conditions typical of streams across Idaho will be analyzed to develop recommendations for methods to identify indicators of nutrient impairments. This work has three major goals: development of (1) threshold values for algal and macrophyte sampling methods that indicate nutrient impairment; (2) threshold values for chemical parameters that would be indicative of nutrient impairment in the absence of algal or macrophyte data; and (3) data quality validation and verification procedures for algal and macrophyte monitoring methods.

2.3.4 Thermal Treatment Requirements

Revised thermal treatment requirements were submitted to EPA as a temporary rule on July 20, 2011, and as a final rule on August 7, 2012 (docket 58-0102-1101). This water quality standard revision removed the numeric limits on point source induced changes in receiving water temperature. Until EPA approves this change, the previous treatment requirements continue to apply to point sources.

3 Surface Water Monitoring and Assessment

As the agency responsible for protecting Idaho's surface water, DEQ continually monitors and assesses the quality of the state's streams and lakes. This information is used to report on the status of Idaho's waters and to make decisions regarding water quality management.

3.1 Monitoring Program

The *Surface Water Ambient Monitoring Plan* (DEQ 2012c) outlines DEQ's approach to collecting and integrating ambient water quality monitoring data from a variety of monitoring programs, including BURP, National Aquatic Resource Surveys, and special studies.

DEQ's BURP crews collect water temperature data, biological samples, chemical measures, and habitat data from Idaho's surface water. These data are used to determine whether beneficial uses are being supported in Idaho's streams and lakes. In addition to its own data collection efforts, DEQ also solicits and considers data submitted from outside sources such as the USFS, Idaho Department of Fish and Game, and EPA.

For more information about DEQ's BURP monitoring efforts, visit <http://www.deq.idaho.gov/water-quality/surface-water/monitoring-assessment/burp.aspx>.

3.2 Assessment Methodology

DEQ relies on several key technical and policy statements in making water quality determinations, and these come together in the WBAG (Grafe et al. 2002). This document, which focuses on biology as a measure of aquatic life and water quality status, is the foundation of DEQ's ambient monitoring and assessment program. The WBAG describes the methods used to consistently evaluate data and determine beneficial use support of Idaho waters. The methodology addresses many reporting requirements and state and federal rules, regulations, and policies.

The following technical documents support the WBAG:

- *Idaho River Ecological Assessment Framework* (DEQ 2002a)
- *Idaho Small Stream Ecological Assessment Framework* (DEQ 2002b)

Both of these documents are available at <http://www.deq.idaho.gov/surface-water-monitoring-assessment>. Using these documents, DEQ has a consistent and relevant decision-making process for water-quality assessment.

DEQ worked extensively to ensure that the public and EPA had an opportunity to review and comment on the WBAG before it was finalized in 2002. While EPA neither approves nor

disapproves any state's assessment methodology, it reviewed the methodology and provided feedback prior to its use. The document is available at http://www.deq.idaho.gov/media/457010-wbag_02_entire.pdf.

3.2.1 Beneficial Uses

A water quality standard defines the water quality goals for a water body or portion thereof, in part by designating the use or uses to be made of the water. The designated beneficial use of a water body must consider its actual use, the ability of the water to support in the future a use that is not currently supported, and the basic goal of the CWA that all waters support aquatic life and recreation where attainable. "Support" of a beneficial use is defined in IDAPA 58.01.02.010.41. Idaho must designate its uses accordingly.

Beneficial uses can be designated, existing, or presumed. A **designated** use is a beneficial use assigned to a specific water body in Idaho water quality rules. The CWA requires Idaho to protect **existing** uses, which are uses that are/were actually attained in a water body on or after November 28, 1975, whether or not they are designated. Idaho presumes most undesignated waters will support cold water aquatic life and either primary or secondary contact recreation and will protect these waters for those uses (i.e., **presumed** use protection). There is no difference in the degree of protection for designated uses, existing uses, and presumed use protection.

The two following sections—*Designated Surface Waters* and *Undesignated Surface Waters*—are excerpts taken directly from the WBAG (Grafe et al. 2002, pp. 3-1 through 3-2) and are included here because of the importance that beneficial uses—designated, presumed, or existing—play in the assessment process. DEQ is not soliciting comment on these sections; this material has already undergone public comment and response. These sections are included here for informational purposes only.

3.2.1.1 Designated Surface Waters

Surface water use designations are defined and listed in the Idaho water quality standards (WQS § 100-160). These include uses that are applied on a water body-specific basis (aquatic life, recreation, domestic water supply), and uses that are applied to all waters of the state (agricultural and industrial water supply, wildlife habitat, and aesthetics). Waters may also be designated as outstanding resource waters (WQS § 052); however, this designation is not covered in this guidance.

Water bodies with specific use designations are listed in tables in WQS § 110-160 following the Idaho WBID... Unless broken out separately in the tables, use designations listed in the tables as the standards for a WBID unit apply to all perennial segments of waters included within that particular WBID unit. Usually these are tributaries, but in a few cases include nearby disconnected waters, since the WBID system has to encompass all waters in the state. For example, Cottonwood Creek, WBID 17040212-14, is designated for cold water and secondary contact recreation uses. This designation also includes subordinate streams within that WBID unit as shown in Table 3-1.

Table 3-1. Subordinate Streams within WBID 17040212-14

WBID #	WBID Name	Included Waters	Perennial portions also become designated as:
14	Cottonwood Creek	Burnt Creek	COLD SCR ¹
		Cottonwood Creek	COLD SCR
		Dry Cottonwood Creek	COLD SCR

		North Cottonwood Creek	COLD SCR
		Williams Reservoir	COLD SCR

¹ COLD = cold water;
SCR = secondary contact recreation

If, for example, North Cottonwood Creek also had unnamed tributaries, then the cold water and secondary contact recreation designations would apply to those perennial portions of the unnamed tributaries as well.

The distinction that, unless otherwise designated, the use designations of a WBID unit only apply to perennial portions of waters in the WBID is necessary because of the inclusive manner in which WBIDs are defined. Somewhere in the continuum of stream channels from rivers to rills, there is a point above which a rivulet is so small that it cannot provide an aquatic habitat that can support a biological community with composition and function similar to reference conditions. All of the aquatic life uses presume fully established biological communities, which in turn presume a persistent aquatic environment. Temporary waters (e.g., intermittent streams, vernal pools) may have important ecological functions but cannot attain the same biological communities as perennial waters.

3.2.1.2 Undesignated Surface Waters

Waters listed in WQS § 110-160 for which uses have not yet been designated or which have incomplete use designations are considered undesignated waters for those uses. Two concepts that are important for determining which beneficial uses are to be protected, and thus assessed on undesignated waters, are addressed in the Idaho WQS: presumed uses and existing uses.

3.2.1.3 Existing Uses

Existing beneficial uses of the waters of the state are to be protected, even if not designated (IDAPA 58.01.02.050.02b). “Existing use” is defined as occurring on or after November 28, 1975, even if the use can no longer be documented to occur. For the purpose of determining whether a water body fully supports designated and existing beneficial uses per IDAPA 58.01.02.054, aquatic life beneficial uses may be assumed to exist as described in section 3.2.2.1 of the WBAG (Grafe et al. 2002, p. 3-3). These initial determinations of existing aquatic life uses are needed to complete water body assessments and to assemble a §303(d) list. Actual subsequent use designations may be different, depending on additional information that may be received following the procedures described in Idaho Code 39-3604 and IDAPA 58.01.02.101.01.

3.2.1.4 Presumed Uses

DEQ presumes that most waters in Idaho will support cold water aquatic life and, depending on the characteristics of the water body, primary or secondary contact recreation (IDAPA 58.01.02.101.01a). Cold water aquatic life use support determination procedures, including numeric criteria and recreation criteria, apply to undesignated, perennial waters to protect these presumptive uses.

3.2.2 Data Use

Data are the foundation of DEQ’s assessment process. Although the WBAG was primarily designed to use data obtained by DEQ through BURP, DEQ also considers data from other existing and readily available sources. Such data may be from other agencies, institutions, commercial interests, interest groups, or individuals, and it may relate to the existence, support

status, or associated criteria for the beneficial uses in a water body. These external data sources are ranked for quality according to three tiers (Table 2).

DEQ pursues several avenues for notifying the public of its intent to seek water quality–related data and information from external partners, including disseminating a news release to media statewide, posting announcements to DEQ's website, and direct mailing notices to interested individuals and organizations, such as the Idaho Department of Fish and Game, the USFS, and the Bureau of Land Management. DEQ conducted a 60-day call for data from November 2, 2011 through January 3, 2012. A cut-off date for data submission is necessary to allow the data to be received, analyzed, and assessed for timely completion of the Integrated Report. Data collected or submitted after the respective deadline may be considered for subsequent §303(d) lists and/or other water quality assessments conducted by DEQ.

Table 2. Data tier comparison.

Tier	Scientific Rigor	Relevance	Example	How Used
I	<ul style="list-style-type: none"> Quantitative. Parameters measured. Established monitoring plan with QA and defined protocols. >30 hours of supervised training. Samples processed in EPA-certified lab following standard methods or by professional taxonomist. Organisms identified by a professional taxonomist. 	<ul style="list-style-type: none"> Data relates to either water quality standard(s), especially numeric, or a beneficial use. ≤5 years old. Data relates to a named water body (GIS, latitude and longitude or map location provided). 	<ul style="list-style-type: none"> Ph.D. or masters thesis. Published or printed studies or reports. Published predictive models. EPA EMAP. BURP data. Use attainability analyses. Rapid Bioassessment Protocols (RBP). 	<ul style="list-style-type: none"> 303(d) listing or de-listing. 305(b) reports subbasin assessments. TMDLs. Planning for future monitoring.
II	<ul style="list-style-type: none"> Qualitative or semi-quantitative in nature. May have a monitoring plan. No QA/QC provided for within plan. Protocols may or may not be defined. Parameters rated. Field staff may not be trained; Lab may not be certified. Taxonomist may not be a professional. 	<ul style="list-style-type: none"> Data may relate to a watershed. Not water body specific. Data >5 years old. Data may relate to other agency guidelines or objectives. 	<ul style="list-style-type: none"> Environmental assessments. Proper Functioning Condition. Cumulative Watershed Effects. Most citizen monitoring. Models with documentation. Agency planning documents. 	<ul style="list-style-type: none"> 305(b) reports. Subbasin assessments or TMDLs when data adds to overall assessment quality. Planning for future monitoring.
III	<ul style="list-style-type: none"> May be qualitative in nature. Parameters evaluated. Field staff have little to no training. No documented monitoring plan. No QA/QC. Anecdotal in nature. 	<ul style="list-style-type: none"> Not specific to water quality standards or beneficial uses. Location not specific. Data ≥10 years old. 	<ul style="list-style-type: none"> Non-specific reports or studies. Newspaper articles. Simple models without any documentation. 	<ul style="list-style-type: none"> Planning for future monitoring. Hold for further investigations.

Source: (Grafe et al. 2002, p. 4-6)

The following subsections on data tiers are taken directly from Section 4 of the WBAG (Grafe et al. 2002, pp. 4-7 through 4-9) and are intended for context and informational purposes only.

3.2.2.1 Tier I

The scientific rigor of Tier I data is characterized as high and typically includes monitored data collected by professional scientists or professionally trained technicians with more than 30 hours of supervised training. The data are collected and analyzed under a monitoring plan with quality assurance and parameters measured. Samples are processed in an EPA-certified lab following standard methods or by a professional taxonomist. Biological data may come from one of several different assemblages, such as macroinvertebrates, fish, or algae, and are identified by a professional taxonomist. Physical habitat data may have quantitative measurements and standardized qualitative assessment procedures.

To be considered relevant, Tier I data usually include direct measurements or observations of beneficial uses, criteria, or causes of impairment. In addition, the sampling needs to be representative, that is, 1) to have been conducted at multiple times and locations or 2) at a representative location with specific locations identified on a map or with GIS. The information must be less than five years old and must be able to be differentiated along a gradient of environmental conditions (EPA 1998 [*EPA National Water Quality Inventory 1998 Report to Congress*.EPA-841-R-00-001.]). Predictive models must include calibration factors and, as noted below, are not used exclusively to make beneficial use determinations.

Examples of the types of monitoring data typically meeting Tier I criteria include BURP, EPA Environmental Management and Assessment Program (EMAP), Rapid Bioassessment Protocols, Use Attainability Analyses, graduate theses, and professionally prepared and peer-reviewed studies, reports, or predictive models. These data can come from a number of possible sources such as state and federal agencies, academic institutions, local governments, or private parties. Tier I data are of sufficient quality and relevance to be used for 303(d) listing and de-listing decisions, 305(b) reports, subbasin assessments, and TMDL development. Data must meet both scientific rigor and relevance of Tier I criteria to be classified at the Tier I level.

3.2.2.2 Tier II

DEQ characterizes the scientific rigor of Tier II data as qualitative or semi-quantitative data. The data collectors will have followed documented field, laboratory, and data-handling protocols, have rated parameters, and may have a monitoring plan. The monitoring plan may not provide quality assurance (QA) or quality control (QC) information. Tier II data include professionally conducted evaluations and habitat data consisting primarily of standardized visual assessments or evaluations. However, some field staff may not be trained, the evaluating laboratory may not be certified, or a professional taxonomist may not identify the samples. Relevant Tier II data may include evaluations based on monitored or evaluated data more than five years old, watershed land use information, modeling results with estimated inputs, or measurement of an atypical event (EPA 1998). Data may relate to a watershed rather than be water body specific. They may also relate to guidelines or objectives of other government entities.

Data collected for Environmental Assessments, Proper Functioning Condition (PFC) assessments, Cumulative Watershed Effects (CWE) Process, and agency planning documents, as well as Citizen Volunteer Monitoring data, are examples of types of data that would be considered Tier II. Tier II data are not used in 303(d) listing decisions due to higher data requirements for impairment decisions under Section 303 (see Section 1.4.1). However, Tier II data may be used in subbasin assessments and TMDLs when the assessor has the time to consider these data in context with other collected information. These data can also be used to establish beneficial uses for assessments and in 305(b) reports.

3.2.2.3 Tier III

The scientific rigor of Tier III data often includes information collected by unknown or untrained individuals. The data may not have been collected or analyzed following standard or reported protocols. Data without any originating documentation also appears in this category. Relevance of data is limited due

to information having no intrinsic judgment or known reference for comparison. The data may have been extrapolated based on other sites, or a reflection of a specific localized condition not representative of the water body. This type of information may be considered as general background information, but it is not of sufficient rigor and relevance for listing decisions or regulatory actions.

Tier III data are not used in 303(d) decisions, subbasin assessments, TMDLs, or 305(b) reports due to the uncertainty in the scientific rigor in their collection and relevance to beneficial uses or water quality standards. This data may be used in helping DEQ target future planning and monitoring.

3.2.3 Interpreting Idaho Water Quality Standards

Specific language detailing how narrative and numeric water quality standards are interpreted in assessments for the Integrated Report is included in section 5 of the WBAG (Grafe et al. 2002). DEQ adheres to these policies for all assessments.

DEQ largely relies on BURP monitoring data and biological assessments to demonstrate compliance with the state's narrative water quality standards and support of aquatic life uses in the absence of specific chemical water quality data. These standards are written such that the waters of the state shall be free from pollutants impairing beneficial uses. It is DEQ's position that biological assessments directly measure the support of the beneficial uses that the narrative standards were written to protect, so a full support decision based on guidance in the WBAG (Grafe et al. 2002) largely satisfies compliance with these narrative standards.

Numeric standards are somewhat different, and a detailed discussion of the state's approach to assessing compliance with these standards is also in section 5 of the WBAG (Grafe et al. 2002). Even among the numeric standards, determining compliance with temperature criteria presents unique challenges and is examined in the WBAG and further explained in section 3.2.3.1 below.

Due to natural variability in water quality, variability in translation to a biological response, and possible measurement errors, DEQ does not interpret numeric criteria for dissolved oxygen, pH, turbidity, and temperature as a sharp line between impairment and nonimpairment. Rather, impairment may occur along a continuum. Because criteria are developed conservatively, DEQ believes any point along this continuum is within established criteria levels. In accordance with DEQ's water quality standards (IDAPA 58.01.02.054.03), a zone is established allowing up to 10% criteria exceedance for dissolved oxygen, pH, turbidity, and temperature, for which the assessor has flexibility to consider other evidence in determining whether to list the AU-cause combination in Category 5. This provision in the water quality standards is consistent with guidance from EPA (EPA 1997) and other states in EPA Region 10 (WDOE 1997). Refer to Figure 5-1 of the WBAG for an overview of this DEQ policy (Grafe et al. 2002, p. 5-5).

While this policy deals solely with frequency, DEQ does recognize that magnitude and duration of any criteria exceedance are also important to the biological response and ideally should be considered as well. Magnitude, duration, and frequency are typically not independent of one another. Thus, an evaluation of impairment based only on frequency, while it can have its limitations, is a practical gauge of criteria exceedance and one that is supported by national EPA policy.

Failure to meet a numeric or narrative water quality criterion or impairment of a beneficial use is reason to list an AU in Category 5 of the Integrated Report. If the AU failed to meet specific

numeric criteria, then the impairment is related to those criteria. Tier I data must be available to inform the assessor what the cause or causes of impairment are.

DEQ relies heavily on biology to gauge narrative and numeric criteria. An average score of the multimetric index scores (see Grafe et al. 2002, section 6) can range from 0 to 3. A score of less than 2 suggests that the water body is not supporting its aquatic life beneficial use. Since DEQ does not collect data to evaluate every possible numeric and narrative criteria, the assessor, in many instances, will not know the exact cause of the impairment—merely that a biological impairment exists. Such a determination places a water body in Category 5 with the cause as “Combined Biota/Habitat Bioassessments.”

EPA’s clarification memo for the Integrated Report guidance of March 26, 2002, states:

When existing and readily available data and information (biological, chemical or physical) are sufficient to determine that a pollutant has caused, is suspected of causing, or is projected to cause the impairment, the AU should be listed in Category 5.

(EPA 2002)

The memo further clarifies that “Only when the state determines that the existing data and information (biological, chemical or physical) are **insufficient** [bold in original] to support an attainment determination, can an AU be listed in Category 3” (EPA 2002). DEQ discourages assessors from making educated guesses on causes, because changing a cause after initial listing can be costly in terms of time and resources. DEQ feels it is reasonable and prudent to leave the cause as combined biota/habitat bioassessments until a more specific cause can be accurately determined in the subbasin assessment phase of the TMDL.

3.2.3.1 Temperature Compliance

Because determining compliance with numeric temperature criteria presents unique challenges, DEQ has provided additional clarification below regarding section 5.2 of the WBAG, specifically subsections 5.2.1 and 5.2.2 (Grafe et al. 2002).

3.2.3.1.1 Applying the 10% Exceedance Policy

DEQ uses weight of evidence in assessing impairment due to temperature (IDAPA 58.01.02.054.03). This policy allows deference to biological health in judging whether a water supports a cold water aquatic life use, but only when exceedance of numeric temperature criteria is infrequent (less than 10%), brief (2 hours or less), and small (conditions that avoid acute effects) and aquatic habitat and biological data indicate that aquatic life beneficial uses are otherwise supported. Most surface waters and aquatic organisms have an ability to tolerate or adapt to small exceedances over short time periods for certain water quality parameters, such as temperature, without deleterious effects (Carins 1977; Connell 1978). This policy applies to §303(d) listing and delisting decisions only and is not for determining compliance with the water quality standards for other purposes. While it is always necessary to target the current water quality criteria when a TMDL is developed, if the frequency of the temperature criteria exceedance is less than 10% and there is no biological evidence of thermal impairment, then it is possible to propose delisting.

If a temperature TMDL has been established, then the water may be reassessed during TMDL implementation. In that reassessment, the standard for temperature would be considered met if the frequency of criteria exceedances falls below 10%, taking into account the influence of air temperature on water (IDAPA 58.01.02.80.03).

The frequency of temperature exceedances must be calculated based on the metric used to formulate the criteria (e.g., the frequency of daily maximum stream temperatures exceeding daily maximum criteria, see “Metric Definitions” below). Except for single daily maximum criteria, this calculation requires data processing of the raw temperature record before counting exceedances. The following sections provide detail on how criteria exceedance frequencies are calculated for water temperature, paying heed to periods of time when they apply and to situations in which compliance with standards may be inferred when the data record does not cover the entire time period of interest.

3.2.3.1.2 Time Periods of Interest

For cold water aquatic life, June 21–September 21 is the time period of interest to gauge frequency of temperature exceedances. This 93-day period is when the natural progression of seasons causes water temperatures to peak, which typically occurs between July 15 and August 15, with progressively cooler temperatures generally occurring on either side of this peak.

For salmonid spawning, there is no fixed time period; appropriate spawning periods are site-specific and should be determined on a case-by-case basis (section 2.3.2). The time period of interest is the entire spawning and incubation period at a given site. This period of interest cannot be less than 45 days, which is set as a minimum to allow two weeks for spawning and an additional month for egg incubation. The frequency of exceedance of salmonid spawning criteria should be based on the entire spawning and incubation period at the site in question. For assessment purposes, the information used to determine when spawning occurs should be documented in EPA’s Assessment Database (ADB).

Within the time periods of interest, a narrower critical period can be identified during which maximum temperatures typically occur. Absent data to the contrary, critical periods for water temperature are defined as follows:

- For *cold water aquatic life*, the critical period is July 15–August 15. This is when most streams reach their highest temperature of the year.
- Spawning usually takes place when water temperatures are in a spring or fall transition; thus, temperatures are either warming or cooling over the spawning period. Therefore, for *salmonid spawning*, the critical period is the 22 days at the warmer end of the spawning period. For spring spawners, these days will be at the chronological end of the period; for fall spawners, it will be at the chronological beginning of the period.

3.2.3.1.3 Data Records and Compliance

To calculate and evaluate the percentage of days when temperature criteria are exceeded, an adequate data record is needed. A *complete* data record is ideal—one that covers the entire period of interest as defined above. However, this is not always possible, even when planned. Furthermore, historical data were collected before this policy was in place. While collecting a complete data record for the entire period of interest should be the goal of future monitoring

efforts, the following discussion describes allowances that can be made for evaluating partial data records.

Partial data records do not include the entire time period of interest. Data may be missing at either end due to delayed deployment or early retrieval of temperature data loggers. Data gaps may exist in the middle of the record due to the sensor malfunctioning or coming out of the water. Only partial data records that include the critical periods defined above can be used for determining whether frequency of exceedance is less than 10%. A partial data record that does not include the entire critical time period cannot be used to determine whether an AU is **in compliance** with Idaho's temperature criteria but may be used to show **noncompliance**.

3.2.3.1.3.1 Showing Noncompliance

A partial data record that does not include the critical time period *may* be sufficient to estimate a frequency of exceedance that is at least 10% and thus determine **noncompliance** with the standards. This situation occurs when the observed number of days that exceed the criteria in the partial record is greater than the number of days that equal 10% exceedance for the entire period of interest.

For example, if, for salmonid spawning support assessment, a partial data record includes only 41 days of a 90-day spawning period, but 15 of those days have temperatures above the criterion, then the frequency of exceedance is at least $15/90$, or 17%. Regardless of the missing 49 days of data, it can be said with confidence that the temperature standard has not been met. For cold water aquatic life, a frequency of exceedance of 10% or more could be determined with just 10 days of data showing temperature above the criterion, even if those are the only 10 days with data available ($10/93 = 11\%$).

Data records of less than 10 days for cold water aquatic life, or less than 10% of the applicable spawning period, are inadequate to show a frequency of exceedance that is 10% or more and are therefore inadequate to determine noncompliance with temperature standards.

3.2.3.1.3.2 Inferring Compliance When Partial Data Shows Less Than 10% of Days Above Criteria

If the partial data record includes the entire critical time period, it may be possible to reasonably infer that the frequency of exceedance is less than 10%, and thus, water temperature is in compliance with the water quality standards.

For *cold water aquatic life*, if the partial data record includes the critical period of July 15–August 15, inclusive, and the frequency of exceedance is less than 10%, then it can be reasonably assumed that the frequency of exceedance for the entire summer period of interest is less than 10%.

Similarly, if the data record during *salmonid spawning* includes the warmest 22 days of the spawning period (end or beginning of the period, depending on whether spawning extends into spring or fall) and the frequency of exceedance is less than 10%, then it can be reasonably assumed that the frequency of exceedance is less than 10% for the entire spawning period.

This inference is based on the reasonable assumption that the frequency with which criteria are exceeded outside the critical time period is less than the frequency of exceedances observed during the critical period when temperatures are typically the warmest.

3.2.3.1.3.3 *Inferring Compliance When Partial Data Show More Than 10% of Days Above Criteria*

Even when the calculated frequency of exceedance is greater than 10% for a partial data record, it may still be possible to infer a frequency of exceedance that is less than 10% for the entire period of interest. To do so, one must carefully examine the data record while considering seasonal trends in temperature.

For *salmonid spawning*, if the last (or first) 7 consecutive days at the cool end of the data record show no exceedances of criteria, then it is reasonable to project that the entire following (or preceding) unmonitored portion of the period of interest (i.e., the days with no data) is also without exceedances. In this case, an inferred frequency of exceedance may be calculated using the entire spawning period as the denominator.

For example, let the period of interest for spawning be May 1 through June 30. Furthermore, say the available data record runs from June 1 through June 30 and shows 5 exceedances of the 13 °C daily maximum temperature criterion. The calculated frequency of exceedance based on the number of monitored days (days for which data exist) is 5/30, or 17%. However, closer examination of the data record reveals that all 5 exceedances occurred after June 15, with no exceedances during the first 7 days of June at the cooler portion of the monitoring record. Therefore, it can be reasonably assumed that had data been obtained for May, they would also show no exceedances of the criterion. The inferred frequency of exceedance for the entire spawning period would thus be 5/61, or 8%—showing compliance with the standard.

The inference for salmonid spawning in this hypothetical case is based on the relatively rapid rise (or fall) in temperature through spring and fall and the reasonable assumption that for a partial data record that includes the critical time period, an absence of criteria exceedances in the 7 days at the cooler end of the monitored period is indicative of no exceedances earlier (or later) when temperatures are expected to be even cooler.

Similar inference might be made regarding compliance with the *cold water aquatic life* standard if observed exceedances of the criterion were restricted to the middle of the critical time period with no exceedances from July 15 through July 21 and from August 9 through August 15. However, given that the peak of the seasonal cycle in temperature is typically flatter than the rise and drop before and after the peak, this is unlikely to ever be the case.

3.2.3.1.4 **Metric Definitions**

Water temperatures and water quality criteria are expressed using several metrics. These metrics reduce a complex, continuously variable record to a single value. The following are the four most common water temperature metrics:

- **MDMT**—*Maximum Daily Maximum Temperature*. Of all the daily maximum temperatures recorded at a site during a monitoring period, this is the highest. This is the metric for Idaho's cold water biota criterion of 22 °C and for Idaho's salmonid spawning

criterion of 13 °C. In the case of the salmonid spawning criterion, the applicable period is when spawning is known to occur, which may be less than the entire monitoring period.

- *MDAT—Maximum Daily Average Temperature.* Of all the daily average temperatures calculated for a site during a monitoring period, this is the highest. This is the metric for Idaho's cold water criterion of 19 °C, and for Idaho's salmonid spawning criterion of 9 °C.
- *MWMT—Maximum Weekly Maximum Temperature.* Of all the weekly (7-day) averages of daily maximum temperatures calculated for a site during a monitoring period, this is the highest (i.e., the peak in the 7-day running mean of daily maximum temperatures during the monitoring period). This is the metric for Idaho's juvenile bull trout rearing criterion of 13 °C and of EPA's juvenile bull trout rearing criterion of 10 °C. Idaho's criterion applies June through August; EPA's criterion applies June through September.
- *MWAT—Maximum Weekly Average Temperature.* Of all the weekly (7-day) averages of daily average temperatures calculated for the monitoring site, this is the highest (i.e., the peak in the 7-day running mean of daily average temperatures during the monitoring period). This metric is not currently used in Idaho's water quality standards but is the metric for EPA Region 10's recommended juvenile salmonid rearing criterion of 15 °C.

These definitions are important, as different amounts of data are needed to calculate the different metrics. As a matter of policy, these differences are handled as explained below.

3.2.3.1.5 Three Types of Temperature Data

Water temperature data can be collected by dipping a thermometer (mercury, alcohol, or digital) into a stream, producing a single measurement. Such measurements are referred to as *ad hoc* measurements. The usefulness of these measurements is very limited; since only one measurement is usually obtained, such data could only be used for evaluating MDMT. While *ad hoc* measurements can be done repeatedly over the course of a day, in practice, *ad hoc* measurements usually yield one value per day.

Often *ad hoc* temperature readings are obtained for reasons other than evaluation of water temperature criteria (e.g., to fulfill electrofishing permit requirements) and may be taken without due regard for representativeness, influences of direct sunshine, or a calibration check. Most water temperature measurements taken as part of Idaho's BURP monitoring are *ad hoc* measurements.

Current and recent water temperature monitoring more commonly uses digital recording thermometers (often called data or temperature loggers, although these instruments may also record other data) to produce a continuous temperature record for a given time interval. These devices do not produce a truly continuous record but rather store a history of regularly spaced measurements that can be conveniently downloaded to a computer. With enough valid measurements per day, these records can be used to calculate all of the metrics defined above and more.

Older analog recording devices were used for a time and produced *truly* continuous records of temperature as a chart on a piece of paper. This data requires much greater effort to process into the metrics listed above since it involves reading the chart and transcribing a record manually.

However, the end result is a record much like that of digital recording thermometers. In this report, both digital and analog measurements will be referred to as *continuous* measurements.

Far less commonly, water temperatures are collected by a maximum/minimum thermometer that “remembers” only the highest and lowest temperature in the period between readings. If read regularly (e.g., at the same time each day), these can provide useful information. These will be referred to as *max/min* measurements.

To calculate each of the temperature metrics defined above, the data identified in Table 3 are needed.

Table 3. Data required to calculate temperature metrics

Metric	Data Needs
Maximum Daily Maximum Temperature (MDMT)	<p>A single measurement greater than the applicable MDMT criterion, whether obtained by <i>ad hoc</i>, <i>max/min</i>, or <i>continuous</i> measurement, is sufficient to document an exceedance of this criterion. However, any MDMT exceedance will be judged according to the following limitations:</p> <ul style="list-style-type: none"> • A daily maximum is the highest temperature in a day; thus, it only requires one measurement taken at the right time. However, it usually is not known when water temperature peaks unless continuous measurements are available. The likelihood of a continuous record actually capturing the maximum temperature (alternatively, the difference between the true maximum and the measured maximum) depends on how fast the temperature changes during a day and how often measurements are taken. Nonetheless, if a single measurement exceeds the MDMT limit, even if it is not known for sure that the recorded temperature is the true daily maximum, it is known that the daily maximum is no less than that single measurement and therefore the criterion is exceeded. • Because of concerns with regard to the data representation, accuracy, and precision of <i>ad hoc</i> temperature measurements obtained with an alcohol or mercury thermometer, a single measurement of this type will not be sufficient for judging compliance with instantaneous criteria (e.g., MDMT). Thus, Idaho will not use single BURP water temperature measurements by themselves to judge violations of water quality standards. • If two or more measurements of temperature are independent and agree with one another, the chance that they represent an error is greatly reduced. Thus, single measurements may be corroborated by other independent temperature data. Two or more <i>ad hoc</i> measurements from the same location, on different days, showing exceedance will be sufficient corroborating evidence, as will additional data of a different type (e.g., <i>continuous</i> or <i>max/min</i>). • Multiple <i>ad hoc</i>, <i>max/min</i>, <i>continuous</i> measurements, or a combination thereof from the same stream reach can be combined and subjected to the 10% exceedance policy to judge noncompliance with water quality standards. (See the WBAG section 5-2 and Attachment A [Grafe et al. 2002].)
Maximum Daily Average Temperature (MDAT)	<p>To calculate a daily average, a minimum and maximum in the same day are required. However, Idaho's bull trout standard specifically requires 6 evenly spaced measurements in a 24-hour period. DEQ applies that same requirement to all metrics that are based on daily averages (i.e., both MDAT and MWAT, which is made up of 7 consecutive daily averages). After the temperature record is reduced to metrics, the metrics are subject to the 10% exceedance policy to judge compliance with water quality standards.</p>
Maximum Weekly Maximum Temperature (MWMT) and Maximum Weekly Average Temperature (MWAT)	<p>Weekly (or 7-day average) metrics require a minimum of 7 consecutive daily maximums (for MWMT) or daily averages (MWAT), each subject to the same limitations set out above. Frequency of exceedance for these compound metrics is based on the final calculated metric, not a frequency of exceedance of component metrics (i.e., one MWMT greater than the criterion does not require nor imply seven daily maximums above criteria).</p>

3.2.3.1.6 Natural Background Conditions

AUs can be removed from Category 5 of the Integrated Report based on the natural background conditions provision in the water quality standards (IDAPA 58.01.02.054.04). At this time, DEQ is proposing to delist 12 AUs for temperature impairment based on the natural background conditions provision, as discussed in section 3.3.3.2. While this provision applies to any parameter, this section specifically addresses temperature. Whether or not the levels of a particular parameter naturally exceed a criterion is a parameter-specific question; thus, it does not require the watershed as a whole be undisturbed or absent of human influences. For example, removal of riparian shade would be expected to raise water temperature but not affect natural metal levels; conversely, a mine in a watershed could raise certain metals above natural levels yet leave stream temperature natural.

Water quality that naturally exceeds criteria can also have an added human influence (i.e., the impaired condition can be due to a combination of both natural and human sources). Such situations do not qualify for delisting or exclusion from Category 5 for natural conditions unless, for temperature, the increment of human impact is less than 0.3 °C. However, once a water body is listed, the natural component in a blended source situation may mean that the target condition for restoration (in a TMDL) is a natural condition warmer than numeric criteria. In other words, the goal is to correct human impacts; thus, a water body that meets natural conditions is fully restored even if not meeting all its applicable numeric criteria.

According to *Concepts and Recommendations for Using the "Natural Conditions" Provisions of the Idaho Water Quality Standards* (DEQ 2003), stream water temperatures may be *a priori* presumed to be natural if the following conditions exist:

For Rangeland-Dominated AUs:

1. No riparian roads are present and few road crossings exist; and
2. No water withdrawals are present; and
3. No signs are apparent of human-caused, accelerated erosion such as gullies, downcut stream channels, laid back banks, and
4. No riparian livestock grazing has occurred in the last 10-years; or
5. If riparian livestock grazing is allowed to occur, <10% of the streambanks have been altered, and
6. Stubble height or other benchmarks of healthy riparian vegetation do not indicate grazing over-utilization.

(DEQ 2003, p. 25)

For Forestland-Dominated AUs:

1. No forest harvest impinges riparian areas (75 foot minimum buffer width); and
2. No riparian roads are present and few road crossing exist; and
3. No evidence of sources of sediment delivery that are associated with human disturbance such as gullies originating from culverts, mass failures associated with road fills or timber cuts; and
4. No water withdrawals are present.

(DEQ 2003, p. 20)

If an AU meets these conditions for its dominant land type, then it should not be placed in Category 5 of the Integrated Report for temperature. DEQ assumes that an AU entirely in designated wilderness or roadless areas meets the above conditions. Other AUs outside such areas can also qualify as having a natural temperature condition, but these require documentation showing that the conditions for *a priori* presumption have been met.

An exception to meeting the conditions for *a priori* presumption would be if a potential natural vegetation (PNV) evaluation (Shumar and De Varona 2009) showed that current shading vegetation is not measurably different throughout the AU, and other potential sources of heat load—such as channel widening, point sources, or water withdrawals—are absent. In such instances, the temperatures are considered natural.

A PNV evaluation is not required to show a natural condition for temperature, but it provides strong evidence and is highly recommended. A PNV analysis provides the documentation needed to demonstrate natural condition for temperature even when all the *a priori* presumptions are not met. For example, shade may be shown to be at natural potential even though some grazing has occurred in recent years or where old timber harvests have sufficiently recovered. When applying PNV, DEQ pays special attention to natural disturbances that may have removed shade, such as fire. If shading is below PNV due solely to natural disturbance, the situation is still natural.

3.2.4 Waters Other than Perennial Streams and Rivers

DEQ's assessment methodology is limited to perennial, wadeable, and nonwadeable flowing water bodies. Intermittent waters may have important ecological functions but cannot attain the same biological communities as perennial waters and are thus not able to be assessed using DEQ's standard assessment methodology. Although the fundamental assessment approach should also be applicable to lakes, reservoirs, springs, and wetlands, DEQ must further investigate these types of water bodies to develop scientifically sound bioassessment processes and appropriate reference conditions.

3.2.4.1 Intermittent Waters

Intermittent waters naturally occur throughout Idaho; some 42,754 miles of stream (about 45%) are identified as such by the US Geological Survey in its NHD. According to Idaho's water quality standards, if a surface water body is intermittent (i.e., has zero flow for at least 1 week during most years), then *numeric criteria* apply only during periods of "optimal" flow. For recreation beneficial uses, optimal flow is equal to or greater than 5 cubic feet per second (cfs); for aquatic life uses, the optimal flow is equal to or greater than 1 cfs (IDAPA 58.01.02.010.53 and .02.070.06).

DEQ's current multimetric biological indices are not appropriate to apply to intermittent (dewatered or ephemeral) streams. These indexes were developed based on community composition and function typical of an expected reference condition. Reference conditions are persistent aquatic habitats that allow full development of aquatic communities. Temporary waters will never have similar composition and function as perennial waters (Grafe et al. 2002). DEQ does not have a specific protocol for monitoring or assessing intermittent waters. A large portion of these waters are unassessed and are therefore listed in Category 3 of the Integrated Report. Of the 1,887 Category 3 AUs, 227 have been visited or evaluated and determined to have

zero flow. Due to insufficient available data and information, DEQ is unable to provide a beneficial use attainment determination. Therefore, these AUs will remain in Category 3 until such time that an assessment protocol for intermittent waters is developed to collect sufficient data. Refer to Appendix C for the list of AUs with zero-flow.

3.2.4.2 Springs, Lake Outlets, and Inundated Streams

Data from springs, lake outlets, or inundated streams (i.e., backwaters associated with a reservoir or sidewater areas lacking current) can require different monitoring protocols and/or different benchmarks for assessment. Assessment of springs and lake outlets is addressed on a case-by-case basis at the discretion of the assessor. Generally, springs and lake outlets differ biologically from free-flowing streams and therefore require a unique assessment tool. Current multimetric macroinvertebrate indices, such as the stream macroinvertebrate index (SMI), are not suitable for use in these atypical natural stream types. Macroinvertebrate communities from spring-fed streams and lake outlets may have very low natural diversities and would receive very low index scores, even under pristine conditions (see Maret et al. 2001; Maret et al. 1997; and Anderson and Anderson 1995 reviewed in Mebane 2001).

3.3 Assessment Results

Information used in preparing the Integrated Report is compiled by DEQ using EPA's ADB. ADB is a relational database application that helps states track water quality assessment information and generate reports. The reports are included as Appendices D–J. The database helps ease the burden of state reporting, encourages standardization between states, and facilitates generation of the national database. ADB software is designed to store assessment information in a manner consistent with EPA guidance and facilitate the integration of sections 305(b) and 303(d).

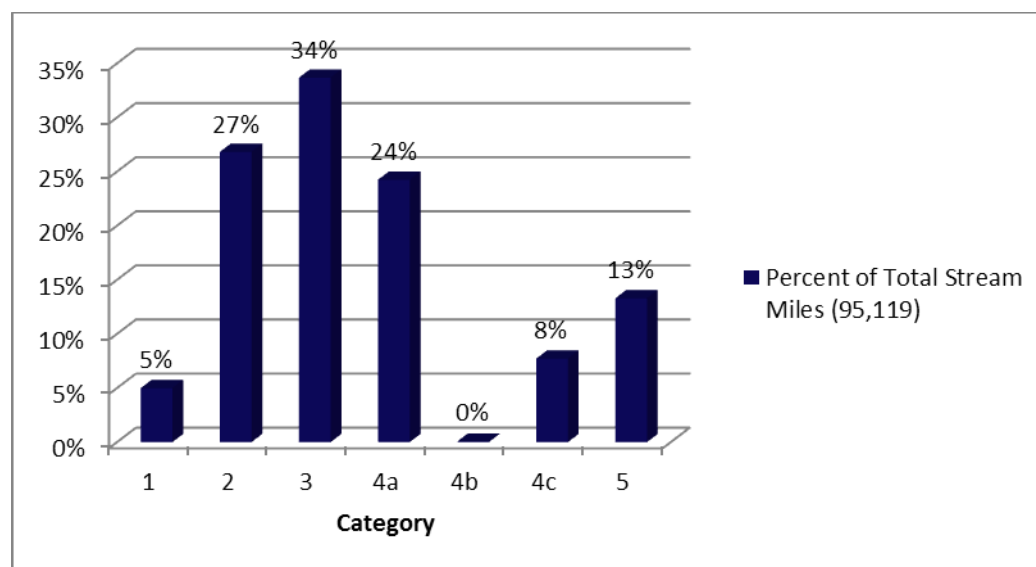
Assessment results can also be accessed via an interactive map available at <http://mapcase.deq.idaho.gov/wq2012/>. For more information about how the mapping tools and software have been revised since the last reporting cycle, see Appendix K.

3.3.1 Five-Part Categorization of Surface Waters

A summary of listings in all categories for stream AUs is provided in Table 4 and Figure 12. Lake AUs are summarized in Table 5 and Figure 13. A detailed report of all proposed delistings is provided in Appendix L. DEQ is proposing to delist 397 AU-cause combinations: 289 from Category 5, 86 from Category 4a, and 22 from Category 4c.

Table 4. Category summary for streams.

Category	Miles	Number of Assessments Units
Category 1	4,751	370
Category 2	25,511	1,279
Category 3	32,036	1,568
Category 4a	23,068	2,221 ^a
Category 4b	51	4 ^a
Category 4c	7,341	547 ^a
Category 5	12,649	1,034 ^a

^a AU-cause combinations**Figure 12. Category summary for streams as percent of total stream miles. Note that percentages total more than 100% because some stream miles are listed in more than one category.****Table 5. Category summary for lakes.**

Category	Acres	Number of Assessments Units
Category 1	5,653	210
Category 2	22,030	40
Category 3	179,653	319
Category 4a	209,927	57 ^a
Category 4b	0	0
Category 4c	85,727	10 ^a
Category 5	204,364	34 ^a

^a AU-cause combinations

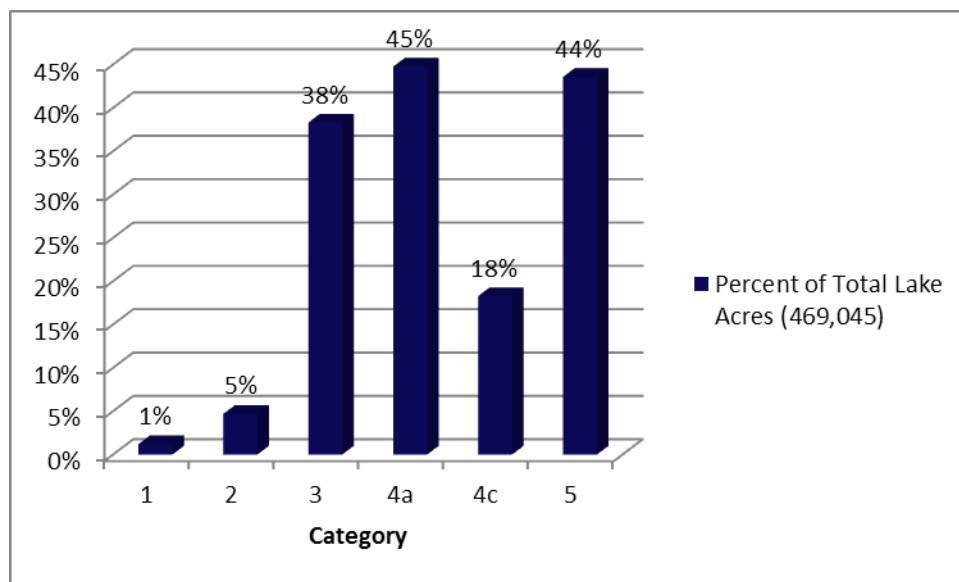


Figure 13. Category summary for lakes as percent of total lake acreage. Note that percentages total more than 100% because some acres are listed in more than one category.

3.3.1.1 Category 1

Waters in Category 1 of the Integrated Report are those that are wholly within a designated wilderness or inventoried roadless area and presumed to be fully supporting all beneficial uses. However, if readily available data or information demonstrate impairment to a beneficial use, then DEQ will assess the water body accordingly. In the absence of such data, DEQ will presume that wilderness and roadless area waters are unimpaired and place them in Category 1 of the Integrated Report. The policy only applies to AUs that are fully (100%) within a designated wilderness area or inventoried roadless area, eliminating waters that briefly flow through wilderness or roadless areas. Most of these Category 1 AUs are found in the Selway-Bitterroot and Frank Church River of No Return Wildernesses. *The only distinction between Category 1 and Category 2 of the Integrated Report is the wilderness and roadless status.*

Category 1 waters best exemplify DEQ's "natural background condition" water quality standard (IDAPA 58.01.02.054.04). Waters in this condition exhibit no measurable change in "the physical, chemical, biological, or radiological conditions existing in a water body without human sources of pollution within the watershed" (IDAPA 58.01.02.010.63).

DEQ believes waters within designated wilderness and inventoried roadless areas meet the natural conditions provision by virtue of the fact that little to no significant human management has taken place to cause changes in water quality or affect beneficial uses. When Congress designates an area as wilderness, the main reason is because it meets the criteria of low human impact.

DEQ uses the two most restrictive categories for defining roadless areas: (1) those areas recommended for wilderness designation in a USFS forest plan and where road building is prohibited (1-B1 USFS designation) and (2) those areas not recommended for wilderness designation in a forest plan but where road building is still prohibited (1-B USFS designation). Waters wholly within these designated roadless areas are placed in Category 1 of the Integrated Report. In areas designated as 1-C by the USFS, road building is not prohibited; waters within

these areas are not designated as roadless and therefore are not listed in Category 1 of the Integrated Report.

DEQ does not apply this wilderness/roadless policy to previously listed waters; thus, there are no delistings associated with this policy, and the policy only applies to waters that DEQ has not yet assessed ("no data" waters) or has assessed as fully supporting and within areas that fall under the roadless/wilderness definition given above. However, for waters previously listed and found to be listed in error, the water can be placed in Category 1 if it falls entirely within roadless/wilderness area.

Statewide, 580 out of 5,754 total AUs are in Category 1: 4,751 miles of stream and 5,653 acres of lake are attaining all water quality standards and are wholly within wilderness or roadless areas. This total is based on a review of updated wilderness and roadless geographic information system (GIS) coverage made available by the USFS.

The list of Category 1 AUs can be viewed in Appendix D.

3.3.1.2 Category 2

Category 2 waters fully support those beneficial uses that have been assessed. For these water bodies, no Tier I data (see "Data Use," page 17, for a description of data tiers) submitted to DEQ for assessment indicates impairment.

Statewide, 1,319 of 5,754 total AUs are in Category 2: 25,511 miles of stream and 22,030 acres of lake are attaining most standards.

The list of Category 2 AUs can be viewed in Appendix E.

3.3.1.3 Category 3

Category 3 water bodies meet both of the following criteria:

- No Tier I data indicate an impairment of beneficial uses.
- Not enough data existed at the time of assessment to make a determination using DEQ's WBAG (Grafe et al. 2002) that standards have been attained.

DEQ may conclude that the available data and information are insufficient for the following reasons, among others:

- The existing and readily available data and information were collected using unacceptable quality assurance/quality control procedures.
- The quality of the existing and readily available data and information, regardless of quantity thresholds, is inadequate to provide an accurate assessment.
- The existing and readily available data and information is not representative of current conditions of the water body. This rationale might include a determination that significant land-use changes have occurred in the watershed changing the hydrology and nonpoint source loading, point source discharges have been removed, new discharges are now operating, or the locations of sampling stations did not reflect the character of the segment (e.g., sampling may have been limited to locations near discharge outfalls).

Category 3 is meant to be temporary until sufficient data and information are obtained to support a beneficial use attainment determination; however, in Idaho an AU may remain in Category 3 under any of the following circumstances: (1) the stream has no flow when visited by DEQ (i.e., is intermittent); (2) access to the monitoring site was denied; or (3) the monitoring site is inaccessible. When DEQ encounters any of these circumstances, every attempt will be made in subsequent years to collect sufficient data and information to support a beneficial use attainment determination for these AUs.

Statewide, 1,887 of 5,754 total AUs are in Category 3: 32,036 miles of stream and 179,653 acres of lake have insufficient data or information to determine if standards are being met.

The list of Category 3 AUs can be viewed in Appendix F.

3.3.1.4 Category 4

Category 4 water bodies are impaired for one or more standards for one or more beneficial uses but do not require development of a TMDL. All Category 4 water bodies are grouped into one of three subcategories: 4a, 4b, or 4c. These subcategories are described below.

Category 4a—Total Maximum Daily Load Completed and Approved

Impaired water bodies are placed in Category 4a when a TMDL is developed by DEQ and approved by EPA such that, when implemented, full attainment of the water quality standards is expected for the specific impairment (e.g., sediment) for which the TMDL was developed. If the water body has any other impairments, it may also be included in other categories of the Integrated Report.

Once EPA has approved a TMDL, an implementation plan is developed. An implementation plan, guided by an approved TMDL, details the actions needed to achieve TMDL-specified load reductions, outlines a schedule for those actions, and specifies monitoring needed to document progress toward meeting water quality standards. Additional information on TMDL implementation plans is available at <http://www.deq.idaho.gov/tmdl-implementation-plans>.

Statewide, 2,278 AU-cause combinations are listed in Category 4a: 23,068 miles of stream and 209,927 acres of lake have an approved TMDL.

The list of Category 4a AUs can be viewed in Appendix G.

Category 4b—Waters of the State That Have Pollution Control Requirements in Place, Other Than a TMDL, and Are Expected to Meet Standards

Impaired water bodies may be placed in Category 4b when other pollution control requirements (e.g., best management practices) required by local, state, or federal authority are stringent enough to achieve applicable water quality standards (pursuant to 40 CFR 130.7(b)(1)) within a reasonable time period. When adequate pollution control requirements are established on an impaired water body, this action obviates the need for a TMDL.

For a water body to be considered for Category 4b, the following six elements must be addressed in the 4b rationale:

1. Identification of stream segment and statement of problem causing the impairment

2. Description of pollution controls and demonstration of how they will achieve water quality standards
3. An estimate or projection of the time when water quality standards will be met
4. Schedule for implementing pollution controls
5. Monitoring plan for tracking effectiveness of the pollution controls
6. Commitment to revise pollution controls as necessary

Each AU listed in Category 4b will be reviewed by EPA and DEQ according to the Category 4b rationale during each integrated reporting cycle to ensure that a water body that has been placed in Category 4b is still meeting all the proposed pollution control requirements. If it is determined that circumstances have changed and the requirements of the original 4b demonstration are no longer being met, DEQ may place the water body back into Category 5.

Statewide 4 of 5,754 total AUs are in Category 4b: 51 miles of stream have alternative pollution controls in place. All 4 of these AUs are addressed in the *Bear Valley Creek 4b Justification* (DEQ and USFS 2010).

The list of Category 4b AUs can be viewed in Appendix H.

Category 4c—Waters of the State Not Impaired by a Pollutant

Impaired water bodies are placed in Category 4c if the impairment is not caused by *a pollutant* but rather caused by *pollution*, such as flow alteration or habitat alteration. Water bodies placed in Category 4c do not require a TMDL.

Pollutants are defined under the CWA at Section 502(6), in Idaho Code §39-3602(21), and in DEQ's water quality standards (IDAPA 58.01.02.010.80). With regard to Idaho's §303(d) list, these definitions include things such as sediment, nutrients, toxics, and temperature—if they impair a beneficial use.

Pollution is a very broad concept that encompasses human-caused changes in the environment that alter the functioning of natural processes and produce undesirable environmental or health effects. Pollution includes human-induced alteration of the physical, biological, chemical, and radiological integrity of water and other media. Flow and habitat alterations are considered *pollution* and not specific *pollutants* according to EPA (CWA §502(6) and §502(19); EPA 2001); hence, DEQ does not develop TMDLs for flow alteration and habitat alteration.

However, water bodies affected by these forms of pollution are not overlooked or ignored; they are identified in Category 4c of the Integrated Report. Flow and habitat alteration are often the result of, or affected by, the existence of pollutants in the water body that are suitable for TMDL calculation. For example, excess sediment may impair a beneficial use and, therefore, violate state water quality standards on a water body that may be impacted by a lack of water flow (or habitat alteration). If the impairment is partly caused by excess sediment, the water body will also be placed on the §303(d) list of impaired waters (Category 5 of the Integrated Report).

Statewide, 557 AU-cause combinations are listed in Category 4c: 7,341 miles of stream and 85,727 acres of lake are impaired by pollution but not by a pollutant.

The list of Category 4c AUs can be viewed in Appendix I.

3.3.1.5 Category 5

Impaired water bodies that do not meet applicable water quality standards for one or more beneficial uses by one or more pollutants are placed in Category 5. Category 5 is a streamlined §303(d) list that excludes waters that have an EPA-approved TMDL (Category 4a), waters addressed by other pollution control measures (Category 4b), and waters impaired by pollution (Category 4c). Criteria for listing a water body in Category 5 include the following:

- The water body was listed as impaired in the 2010 Integrated Report, **or**
- Tier I data indicate an impairment by a pollutant, **and**
- Application of pollution controls to sources of pollution affecting the impaired water body would restore the water body to full support status.

Statewide, 1,068 AU-cause combinations are listed in Category 5: 12,649 miles of stream and 204,364 acres of lake are impaired and needing a TMDL.

The list of Category 5 AUs can be viewed in Appendix J. More information about the 2012 §303(d) list (i.e., Category 5 waters) is provided in section 3.3.3.

3.3.1.6 Assessment Units Appearing in More Than One Category

In some cases, an AU-cause combination may show up in both Categories 4 and 5 of the Integrated Report. Most of these multiple listings are for water bodies that are impaired for multiple pollutants or pollution (e.g., flow or habitat alteration). Examples include the following scenarios:

- A TMDL is approved for only a subset of the causes impairing a water body. For example, a water body is listed for sediment and temperature and only has an EPA-approved TMDL for sediment. That water body would be listed in Category 4a for sediment (EPA-approved TMDL) and Category 5 (needs TMDL) for temperature.
- A water body is impaired by a pollutant (e.g., temperature) and pollution (e.g., flow alteration). The water body would then be listed in Category 5 for temperature and Category 4c for flow alteration.

Because an AU can appear in multiple categories (as part of multiple AU-cause combinations), the number of AUs and mileage/acres calculations for each of the five categories cannot simply be totaled to determine state totals. Some AUs and corresponding mileage/acres totals would be counted more than once, causing erroneous results.

3.3.2 Results of Probability Based Surveys

The federal CWA establishes a process for states in developing information on the quality of their surface waters. Section 305(b) of the statute requires biennial (every 2 years) reporting on the state's water quality. To fulfill this requirement, DEQ conducted the Idaho Wadeable Stream Survey from 2005 to 2010. This survey was probability based and designed to provide statistically valid estimates of the condition of all wadeable, sampleable streams in Idaho and did not apply to larger flowing water bodies defined by DEQ as rivers.

A probabilistic sampling survey is made up of several elements: the target population, sample frame, sampled population, and evaluated sites. The conceptual relationship between these elements is presented in Figure 14.

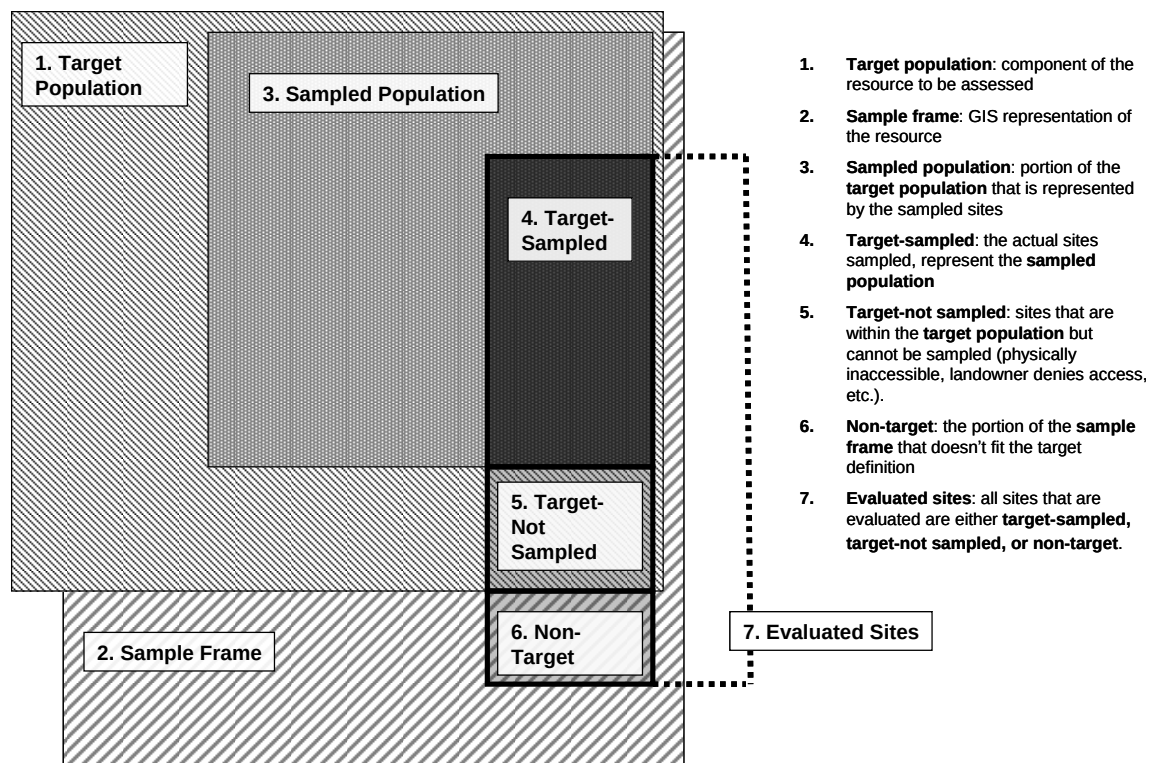


Figure 14. Conceptual representation of elements of a probabilistic sampling survey (modified from Olsen and Peck 2008)

The sample frame is a geographical representation of the target population from which sites are selected (Figure 14). In most cases, the sample frame is a map or GIS layer. The sample frame commonly includes some elements that are not part of the target population or excludes some elements of the target population. Elements of the sample frame that are not part of the target population are classified as non-target (e.g., reservoirs, lakes, or dry channels in this study). Elements of the sample frame that are part of the target population and sampleable make up the sampled population. The sampled population is the portion of the resource about which one can make statistically valid estimates of condition based on survey results from the target-sampled sites.

The Idaho Wadeable Stream Survey consisted of five separate panels, or site lists, to be completed in each of 5 years (2005–2008 and 2010). The expected sample size was 50 sites monitored per panel, or a total of 250 sites for the study period. The target population was wadeable streams in Idaho. The sample frame, or stream map, was all 1st- through 5th-order streams as defined by the NHD Plus Version 2, or NHDPlusV2, for Idaho (<http://www.horizon-systems.com/nhdplus/>). The sample frame size was 92,537 miles. To be considered part of the target population, sites had to have an active stream channel and be wadeable and sampleable as defined by DEQ's BURP protocol (DEQ 2007).

Overall, 1,793 sites, representing the 92,537-mile sample frame, were evaluated for target status. Of this total, 45.3% (standard error [SE] = 1.09), or 41,844 miles, were target, and 54.7% (SE = 1.09), or 50,692 miles, were non-target. Target stream length was further subdivided as being either sampled (target-sampled) or not sampled due to accessibility issues or logistical

issues. Similarly, the non-target stream length was subdivided based on why it was excluded from the target population, with the majority of non-target stream length being dry (Table 6).

Table 6. Sample frame (mapped stream length) and estimates of stream length for non-target and target categories for the Idaho Wadeable Stream Survey, by DEQ region and statewide.

DEQ Region	Sample Frame (miles)	Non-Target Categories (%)		Target Categories (%)		
		Dry	Other	Denied Access	Inaccessible	Target-Sampled
Coeur d'Alene	8,540	41.7	9.9	7.0	21.4	19.9
Lewiston	16,729	27.9	8.1	15.1	37.2	11.7
Boise	25,599	59.7	5.5	7.6	18.1	9.0
Twin Falls	10,567	67.9	6.2	11.3	7.5	7.0
Pocatello	9,956	54.3	9.4	24.4	2.9	9.0
Idaho Falls	21,145	35.7	8.7	3.1	45.8	6.7
Statewide	92,537	47.2	7.6	10.1	25.3	9.8

Note: Percentages and miles may not add up exactly due to rounding.

In all, DEQ field crews sampled at 252 wadeable stream sites throughout Idaho in 2005–2008 and 2010. These sites represent a sampled population of 9,037 miles, or 9.8% (SE = 0.68) of the mapped stream length. This 9,037 miles of stream length is the portion of Idaho's wadeable streams for which condition can be estimated based on actual sampling results. Condition estimates for the Idaho Wadeable Stream Survey apply to the sampled population only.

DEQ determines the ecological condition of wadeable streams based on multimetric indices of ecological integrity: the stream macroinvertebrate index (SMI), stream fish index (SFI), and stream habitat index (SHI). Condition ratings are calculated based on integrating these indices following the methodology laid out in the *Idaho Small Stream Ecological Assessment Framework* (DEQ 2002b). Sites receive a condition rating from 0 to 3. Sites with a condition rating greater than 2.5 were classified as good; sites with a condition rating from 2 through 2.5 were classified as fair; and those with a condition rating less than 2 were classified as poor.

The highest proportion of stream length classified as good is found in DEQ's Boise Region, while the lowest is found in the Pocatello Region (Figure 15).

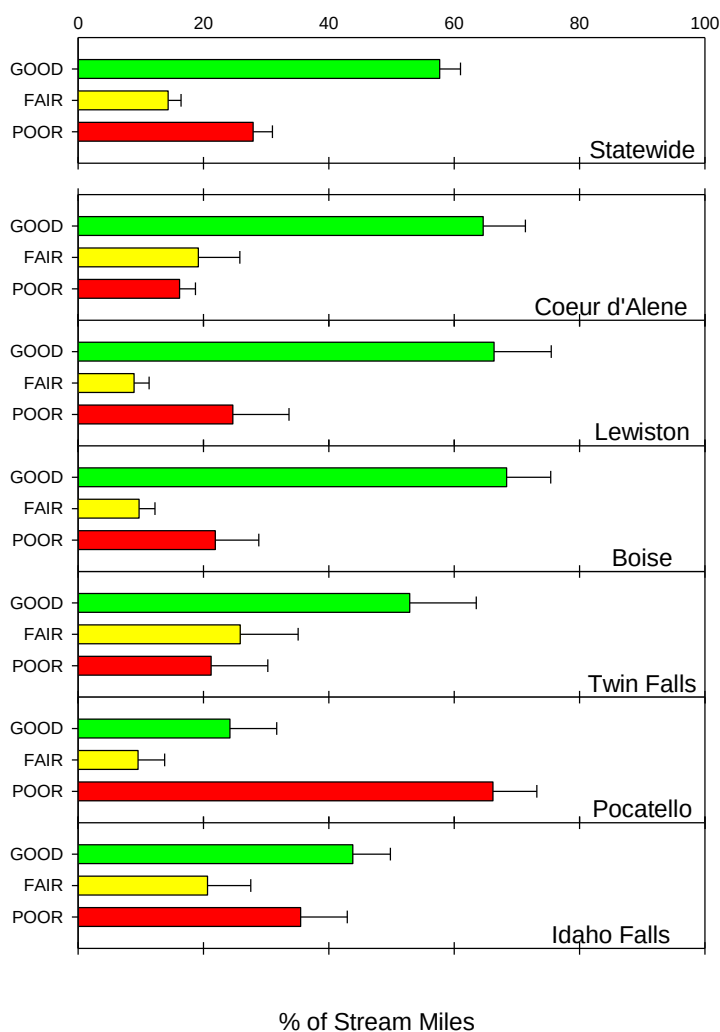


Figure 15. Ecological condition estimates statewide and by DEQ region, presented as percentages of the regional sampled population. Error bars represent standard error.

Statewide, 57.7% (SE = 3.31) of the sampled population, or 5,214 miles, was in good condition; 14.4% (SE = 2.05), or 1,299 miles, was fair; and 27.9% (SE = 3.09), or 2,523 miles, was poor (Figure 15).

Stream lengths classified as either good or fair are considered to be fully supporting the cold water aquatic life beneficial use, while stream lengths classified as poor are considered not fully supporting cold water aquatic life.

Statewide, 72.1% of the sampled population is fully supporting cold water aquatic life, while 27.9% is not fully supporting (Table 7). DEQ's 2010 Integrated Report (DEQ 2011a) indicated that approximately 35% of Idaho's river and stream length was not fully supporting beneficial uses. Although this is slightly higher than the Idaho Wadeable Stream Survey findings, much of the difference may be attributed to the more comprehensive nature of the Integrated Report. For example, the Integrated Report includes assessment for additional beneficial uses, such as recreational uses, and includes all flowing waters, including nonwadeable rivers that are more

likely to have significant human impacts and subsequent impairment. However, both the Integrated Report and the Idaho Wadeable Stream Survey indicate that the vast majority of Idaho flowing waters are supporting beneficial uses.

Table 7. Support status by stream length and percentage of stream length, statewide and for each of the six DEQ regions.

Region	Fully Supporting		Not Fully Supporting	
	%	miles	%	miles
Boise	78.1	1,798	21.9	504
Coeur d'Alene	83.8	1,428	16.2	276
Idaho Falls	64.5	920	35.5	506
Lewiston	75.3	1,479	24.7	485
Pocatello	33.8	304	66.2	595
Twin Falls	78.8	585	21.2	158
Statewide	72.1	6,514	27.9	2,524

3.3.3 Section 303(d) List

The 2012 Integrated Report includes 50 new Category 5 listings and proposes 289 Category 5 delistings. These actions are discussed in more detail in the following sections.

3.3.3.1 Waters Added to Category 5

The 2012 reporting cycle added 50 new listings to Category 5: 35 AU-cause combinations were added due to new readily available data; 5 were delisted for fecal coliform and relisted for *Escherichia coli* (*E. coli*) (due to a change in Idaho's water quality standards); 4 were the result of re-listing causes that were erroneously deleted in previous cycles; 3 were the result of creating new AUs; 2 were the result of changing the listed cause; and 1 was due to an error not captured during the development of the 2010 Integrated Report (Table 8).

Table 8. Summary of changes to Category 5 listings for 2012.

Integrated Report Year/Reason	Category 5 AU-Cause Combinations
New listings	
2012 total new Category 5 listings	50
• Additional Category 5 listings caused by creating a new assessment unit (AU)	3
• Errors discovered in the 2010 Integrated Report	1
• Delisted fecal coliform and listed <i>Escherichia coli</i> due to change in water quality standards made in 2000	5
• Causes erroneously deleted in previous reporting cycles	4
• Replaced previously listed causes with a different cause	2
• Additional Category 5 listings based on new readily available data	35
Delistings	
2012 delistings (other than new TMDLs)	165
2012 delistings due to approved TMDLs	124^a

^a 55 additional AU-pollutant TMDL s were completed and approved by EPA during this reporting cycle, but these were for AU-pollutant combinations that were not previously listed in Category 5 (§303(d) list) (i.e., unlisted but impaired). Of the 124 statewide TMDLs, a portion of these waters are located on tribal land, where DEQ worked cooperatively with the tribes and EPA to develop TMDLs.

3.3.3.2 AU-Cause Combinations Delisted from Category 5

AU-cause combinations included in previous §303(d) lists or Category 5 of past Integrated Reports must be accounted for in subsequent Integrated Reports. However, the fact that an AU-cause combination was previously included in Category 5 does not necessarily mean that it must remain in Category 5 until a TMDL is established. DEQ may have new data and/or information showing that an applicable water quality standard is being met. Or, based on the assessment of new data and information, DEQ may have determined that the impairment was caused by pollution and not a pollutant, therefore delisting the AU-cause combination from Category 5 and listing the AU in Category 4c. DEQ may also demonstrate that the original Category 5 listing was erroneous. ADB provides the following reasons, divided into two groups, for Category 5 removal (RTI 2007):

Delisting:

1. Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)
2. TMDL approved or established by EPA (4a)
3. TMDL alternative (4b)
4. Not caused by a pollutant (4c)

Water Quality Standards Attainment:

5. Applicable water quality standards attained; original basis for listing was incorrect
6. Applicable water quality standards attained; due to restoration activities
7. Applicable water quality standards attained; due to change in water quality standards
8. Applicable water quality standards attained; according to new assessment method
9. Applicable water quality standards attained; reason for recovery unspecified

In some instances, these standard reasons for Category 5 removal may not fit the scenarios DEQ encounters in Idaho. DEQ is working with EPA to revise these reasons in ADB to be more suited to the scenarios in Idaho.

In order for DEQ to delist an AU-cause combination from Category 5 based on the reasons above, DEQ must demonstrate *good cause* for not including the AU-cause combination (including previously listed AU-cause combinations) in Category 5 of the Integrated Report (pursuant to 40 CFR 130.7(b)(6)(iv)). Good causes include, but are not limited to, the following:

1. More recent and accurate data demonstrate that the applicable water quality standard(s) is being met.
2. More sophisticated water quality modeling demonstrates that the applicable water quality standard(s) is being met.
3. Flaws in the original analysis led to the water body being incorrectly listed.
4. Conditions have changed (e.g., new control equipment or elimination of discharges).
5. A TMDL or other pollution control requirements required by state, local, or federal authority will result in attainment of water quality standards for a specific pollutant(s) within a reasonable time.
6. Other relevant information that supports the decision not to include the AU in Category 5 of the Integrated Report.

The number of AU-cause combinations proposed for delisting from Category 5 in the 2012 cycle is 289. These AU-cause combinations are included in Appendix L. At this time, included in this total are 12 AUs DEQ is proposing to delist based on the natural background conditions provision for temperature (Table 9), as discussed in section 3.2.3.1.6.

Table 9. Assessment units proposed for delisting based on natural background conditions.

Assessment Unit	Water Body Name	Subbasin
ID17060307CL007_02b	Hem Creek	Upper North Fork Clearwater River
ID17060303CL010_02	Boulder Creek	Lochsa River
ID17060303CL010_04	Boulder Creek	Lochsa River
ID17060303CL032_03	Storm Creek	Lochsa River
ID17060303CL052_02	Fish Creek	Lochsa River
ID17060303CL052_04	Fish Creek	Lochsa River
ID17060303CL057_02	Fish Creek	Lochsa River
ID17060303CL057_03	Fish Creek	Lochsa River
ID17010304PN041_02	Tributaries to St. Joe River	St. Joe River
ID17010304PN046_02	Mosquito Creek	St. Joe River
ID17010304PN047_02	Fly Creek	St. Joe River
ID17010304PN048_02	Beaver Creek	St. Joe River

Justification for delisting Hem Creek can be found in the *Hem Creek 2009 Field Investigations* report (Appendix M); justification for the AUs located in the Lochsa River subbasin can be found in the *Lochsa River Subbasin Temperature Total Maximum Daily Loads* (DEQ 2012b), and justification for those AUs located in the St. Joe River subbasin can be found in the *St. Joe River Subbasin Temperature Total Maximum Daily Loads* (DEQ 2011b).

3.3.3.3 Prioritization and Total Maximum Daily Load Schedule

DEQ is working under a settlement agreement (DEQ 2002c) that established a schedule through 2007 for the development of TMDLs based on HUC, AU, and pollutant. DEQ considered the severity of the pollutant and the uses to be made of such waters when developing and prioritizing the schedule. Although the TMDL settlement schedule was not completed by 2007, DEQ still remains under obligation to develop TMDLs for those waters remaining on the settlement agreement. Therefore, DEQ has maintained these waters as *high priority*, with one exception: HUC 17060306. These TMDLs are associated with waters within the Nez Perce Reservation. Any TMDLs that are to be developed for waters on the reservations are to be developed by EPA and not DEQ. Therefore, DEQ is assigning a low priority to these remaining TMDLs. Refer to Appendix N for those waters still remaining on the settlement agreement.

Idaho Code 39-3611(7) requires a 5-year cyclic review process for Idaho TMDLs. These reports document the review of approved Idaho TMDLs and implementation plans by considering the most current and applicable information in conformance with Idaho Code 39-3607, evaluating the appropriateness of the TMDL to current watershed conditions, evaluating the implementation plan, and consulting with the WAG. These reviews also evaluate AUs listed as impaired in the most recent EPA-approved Integrated Report. HUCs due for a 5-year review are also deemed *high priority* and can be found in Appendix O. This appendix also includes those waters that were not subject to the settlement agreement or due for a 5-year review but are due for a TMDL. These waters were assigned *medium* or *low priority* based on multiple factors, including when the AU-pollutant was first listed in Category 5, severity of concern, pollutant, complexity of analysis, and availability of resources.

Of the 86 identified HUCs in Idaho, 2 are not recognized as having waters of the state (17010103 [Yaak] and 17060107 [Lower Snake]) and 4 others do not require any TMDLs (17010308 [Little Spokane], 17050106 [East Little Owyhee], 17050121 [Middle Fork Payette], and 17060109 [Rock]).

Any AU-cause combination added during the 2012 cycle will be considered low priority for purposes of TMDL development. These waters will be re-evaluated for priority ranking in the 2014 Integrated Report.

DEQ reserves the right to re-prioritize individual AUs or HUCs based on severity of pollution, funding, personnel availability, and executive or legislative direction. Schedule modifications are done on a case-by-case basis.

3.3.3.4 Approved, Pending, and Draft TMDLs

The number of EPA-approved AU-pollutant TMDLs in this draft 2012 Integrated Report is 124; 55 additional AU-pollutant TMDLs were completed and approved by EPA but were not previously listed in Category 5 (§303(d) list) (i.e., unlisted but impaired). An additional 20 temperature TMDLs (Coeur d'Alene tributaries temperature TMDLs [DEQ 2012a]) were approved November 30, 2012, and another 2 TMDLs—one sediment and one bacteria—were approved on April 10, 2013 (Little Salmon River subbasin TMDLs [DEQ 2013]). However, these recent TMDLs were not captured in this draft Integrated Report because it was necessary to establish a cutoff date for making updates to ADB. The Coeur d'Alene tributaries temperature TMDLs and Little Salmon River TMDLs will be captured in the final version of the 2012

Integrated Report. If those TMDLs that are pending EPA approval in Table 10 are approved prior to finalizing the Integrated Report, DEQ will also capture them in the final version of the 2012 Integrated Report. Table 11 displays those TMDLs that are actively being developed.

Table 10. TMDLs pending EPA approval.

Name of TMDL	HUCs	Project Status	Submittal Date to EPA
Bear River Basin: Addendum to the Bear River/Malad Subbasin	16010102 16010201 16010202 16010204	Pending EPA Approval	July 2011
Lochsa	17060303	Pending EPA Approval	May 2012

Table 11. TMDLs in development, by region.

TMDL	Region
Fernan Lake TMDL	Coeur d'Alene
Kootenai/Moyie TMDL	Coeur d'Alene
Priest Lake temperature TMDL	Coeur d'Alene
Spokane River TMDL	Coeur d'Alene
Cow Creek temperature TMDL	Lewiston
Lower North Fork Clearwater TMDL	Lewiston
Lower Boise and tributaries TMDL	Boise
Bruneau temperature TMDL	Twin Falls
Lake Walcott TMDL	Twin Falls
Big Wood temperature TMDL	Twin Falls
Blackfoot River TMDL	Pocatello
Salt River TMDL	Pocatello
Pahsimeroi TMDL	Idaho Falls
Upper Salmon TMDL	Idaho Falls
Palisades TMDL	Idaho Falls
Mid-Salmon-Chamberlain TMDL	Idaho Falls

3.3.4 Statewide Summaries

The overall support status for Idaho water bodies are presented in Table 12 and Table 13. Maps summarizing the support status of all Idaho waters are located in Appendix K.

Table 12. Support status of Idaho's streams (percentages based on 95,119 total stream miles statewide).

Support Status	Miles (percent of total)
Fully Supporting (Categories 1 and 2)	30,337 (32%)
Not Supporting (Categories 4 and 5)	32,746 (34%)
Not Assessed (Category 3)	32,036 (34%)

Table 13. Support status of Idaho's lakes (percentages based on 469,045 total lake acres statewide).

Support Status	Acres (percent of total)
Fully Supporting (Categories 1 and 2)	27,683 (6%)
Not Supporting (Categories 4 and 5)	261,709 (56%)
Not Assessed (Category 3)	179,653 (38%)

Surface waters can be placed on the §303(d) list for a variety of causes. Table 14 lists the statewide summary of causes for streams, while Table 15 provides listed causes for lakes.

Table 14. Size of streams impaired by causes.

Cause	Extent (miles)	Cause	Extent (miles)
Ammonia (un-ionized)	348	Lead	255
Antimony	5	Malathion	30
Aquatic plant bioassessments	10	Mercury	313
Arsenic	41	Methyl parathion	20
Benthic-macroinvertebrate bioassessments	79	Nitrogen (total)	3
Cadmium	300	Nutrient/eutrophication biological indicators	244
Cadmium	300	Oil and grease	348
Cause unknown	979	Oxygen, dissolved	355
Chlorpyrifos	108	Particle distribution (embeddedness)	2
Combined biota/habitat bioassessments	3,827	Phosphorus (total)	78
Copper	21	Sedimentation/siltation	2,504
Dissolved gas supersaturation	68	Selenium	152
<i>Escherichia coli</i>	1,976	Temperature, water	5,302
Fecal coliform	945	Total suspended solids (TSS)	150
Fishes bioassessments	99	Zinc	304
Habitat assessment (streams)	8		

Table 15. Size of lakes impaired by causes.

Cause	Extent (acres)
Cadmium	27,262
<i>Escherichia coli</i>	494
Lead	29,840
Mercury	118,680
Nutrient/eutrophication biological indicators	55,850
Oxygen, dissolved	55,509
Sedimentation/siltation	55,509
Temperature, water	230
Zinc	28,423

The leading causes of impairment in streams and rivers are temperature, combined biota/habitat bioassessments, sedimentation/siltation, *E. coli*, and cause unknown. With the exception of *E. coli*, these causes have declined since the 2010 cycle due to improved data quality assurance/quality control, better database management, development of TMDLs, and implementation plans. The decline in cause unknown and combined biota/habitat bioassessments is the result of identifying the cause of the biological impairment during TMDL development.

Increased *E. coli* in a watershed could be attributed to increased bacteria monitoring or sources such as agriculture, wildlife, wastewater treatment plants, runoff, or leaking septic systems. However, the main reason for the increase in the mileage of Idaho streams/rivers listed for *E. coli* in this reporting cycle is due to the change made to Idaho's water quality standards in 2000. Idaho's standards changed from fecal coliform to a more precise indicator of fecal contamination, *E. coli*. When *E. coli* data are collected on a water body listed for fecal coliform, the fecal coliform cause is delisted and replaced with *E. coli* if the data indicate impairment.

Until DEQ develops standardized methods for monitoring and assessing lakes and reservoirs, causes associated with lake impairments will change only when DEQ participates in larger lake monitoring projects or acquires new data from outside entities.

3.3.5 Section 314—Clean Lakes Program

With limited resources and no established protocol for determining biological integrity in lakes, DEQ is only capable of reporting on the physical and chemical parameters as they relate to the water quality standards criteria.

DEQ conducted lake surveying in 2011 to identify reference sites that would later be grouped to establish reference condition—the benchmark used in the assessment process. As resources permit, DEQ may be capable of developing the ecological assessment framework for lakes. Until then, DEQ monitors lakes using protocols that allow DEQ to assess for physical and chemical parameter compliance with water quality standards criteria.

DEQ participated in EPA's National Lakes Assessment in 2012, monitoring at 40 random sites during this probabilistic monitoring survey of the nation's lakes. DEQ intends to provide an Idaho lakes assessment report as part of the 2014 Integrated Report, pending data availability.

3.3.6 Wetlands Program

Idaho has approximately 712,270 acres of mapped wetlands according to US Geological Survey maps and a list of priority wetlands that is maintained by EPA, Idaho Department of Fish and Game, and the Conservation Data Center. However, DEQ does not have specific water quality standards, guidance, or policies for wetland ecosystems. While wetlands are protected by the CWA, DEQ does not have a process for assessing the beneficial uses or determining if water quality standards are met in wetland habitats for the 2012 Report.

However, DEQ did participate in the National Wetland Condition Assessment in 2011, monitoring at 13 sites. In addition, DEQ monitored at 12 intensification sites in order to provide enough data to develop a statewide assessment of wetland conditions. DEQ intends to provide an Idaho wetland condition assessment report as part of the 2014 Integrated Report, pending data availability.

3.4 Public Health Issues

Idaho's water quality has serious implications for public health. Not only do citizens rely on clean surface and ground water for their drinking water supply, but they also recreate in and on the state's surface water and consume the fish that inhabit Idaho waters.

3.4.1 Drinking Water and Source Water Assessment

Idaho's Drinking Water Program and Source Water Program work together to protect public health by ensuring drinking water from public water systems in Idaho is safe and to assess and protect the source of Idahoans' drinking water (i.e., source water).

In 1996, Congress amended the Safe Drinking Water Act to emphasize the protection of surface and ground water sources used for public drinking water. The amendments require that each state possessing primacy over its drinking water develop a source water assessment plan for public drinking water sources, conduct assessments on all public water systems, and make the assessments available to the public.

With input from a diverse group of stakeholders and Idaho's Source Water Assessment Advisory Committee, DEQ completed the *Idaho Source Water Assessment Plan* in October 1999, and it was approved by EPA in November 1999 (DEQ 1999). DEQ was successful in completing assessments on all recognized public water sources by May 2003, in accordance with the timetable set forth by the state and EPA.

The completed source water assessments summarize the likelihood of individual drinking water sources becoming contaminated (usually a short-term "contamination event") and serve as a foundation for public water systems to prepare source water (drinking water) protection plans and implement protection measures. Each source water assessment report does the following:

- Defines the zone of contribution, which is that portion of the watershed or subsurface area contributing water to the well or surface water intake (source water area delineation)

- Identifies the significant potential sources of drinking water contamination in those areas (potential contaminant source inventory)
- Determines the likelihood that the water supply will become contaminated (susceptibility analysis)

Source water assessments are the cornerstone for source water protection. Local communities can use the information gathered through the assessment process to create a broader source water protection program to address current problems and prevent future threats to the quality of their drinking water supplies. The information acquired from assessments also assists DEQ in overseeing public water systems.

For more information about DEQ's Drinking Water Program, visit <http://www.deq.idaho.gov/water-quality/drinking-water.aspx>. To learn more about the Source Water Protection Program and access source water assessments, visit <http://www.deq.idaho.gov/water-quality/source-water.aspx>.

3.4.2 Methylmercury Fish Tissue Criterion for Protection of Human Health

Idaho's methylmercury (MeHg) fish tissue criterion is in place to protect human health. While it is not specifically meant to protect aquatic life, aquatic life is likely to be protected as well. This criterion applies to waters in Idaho that have been designated for (or are presumed to support) recreation, which are all the waters in Idaho. The value of 0.3 milligrams methylmercury per kilogram of fish tissue (wet weight) is set at a level to protect the general public from adverse effects during a lifetime of exposure.

Almost all human mercury exposure comes from eating fish, rather than ingesting water, due to the high degree to which fish bioaccumulate methylmercury. Through what is called a relative source contribution, the criterion may also take into account that some exposure comes from sources other than eating fish harvested from local waters, such as eating store-bought fish. When levels of methylmercury in fish tissue from any water body exceed the criterion, there is the potential for lifetime exposure above what is considered safe, and the water is listed as impaired for recreational use. Because the route of exposure is mostly through eating fish, secondary contact recreation (i.e., fishing) is the impaired use when this criterion is exceeded. Because methylmercury is formed *in situ* from inorganic mercury, the causative pollutant will be listed as mercury.

There is one new listing of mercury-impaired water for the 2012 Integrated Report—AU ID 17060208SL029_03, Sugar Creek-3rd order (Crane Creek to mouth). The mercury listings can be viewed on the map in Appendix P.

3.4.2.1 Aquatic Life

Idaho removed aquatic life criteria for mercury from its rules in 2005, opting to rely on its methylmercury human health criterion to also protect aquatic life. However, in December 2008, EPA disapproved Idaho's removal of its previous aquatic life criteria for mercury, reinstating them for CWA purposes such as §303(d) listing purposes. Idaho believed it was justified in removing the aquatic life criteria because bioaccumulation of methylmercury is typically on the order of hundreds of thousands-fold, meaning that methylmercury concentrations in fish tissue

are hundreds of thousands times higher than inorganic mercury levels in the water.² This strong bioaccumulation means the vast majority of waters that have levels of inorganic mercury that exceed Idaho's reinstated 0.012 micrograms per liter (µg/L) chronic criterion for protecting aquatic life will also have fish with methylmercury levels that exceed the human health criterion. The converse is that the vast majority of waters that meet the methylmercury human health criterion will have inorganic mercury levels below EPA's 0.012 µg/L chronic criterion recommended for aquatic life criteria in 1985, and orders of magnitude lower than their current 1995 recommendation of 0.908 µg/L as total mercury.

3.4.2.2 Fish Consumption Advisories

Although fish consumption advisories for mercury and Idaho's human health criterion are both based on the same toxicological data, they have little else in common. Fish consumption advisories inform people, usually more sensitive individuals such as children and pregnant women, how much fish with a known mercury content is safe to eat. These advisories are usually water body and often species specific; they may even be specific as to the size of fish since contaminant levels typically increase with fish size (age). In contrast, Idaho's water quality criterion sets a level of contamination that is safe, based on a fish consumption rate characteristic of the overall adult population eating a variety of fish from different trophic levels.

Thus, an Idaho Fish Consumption Advisory Program (IFCAP) advisory does not necessarily indicate that most of the general public would be exposed to unsafe levels of methylmercury or that Idaho's fish tissue human health criterion is exceeded. The IFCAP fish consumption advisories advise the public on safe amounts of *specific kinds of fish* to consume (e.g., walleye or trout), given measured concentrations for a particular water body. Because of this specificity, as well as targeting only certain segments of the general population, an advisory can be issued even when the average concentration of methylmercury in fish is still below the level of Idaho's fish tissue criterion. IFCAP's guide for safe eating of fish caught in Idaho waters is available at <http://www.healthandwelfare.idaho.gov/Portals/0/Health/EnvironmentalHealth/FishGuide.pdf>.

3.4.2.3 Calculation of Trophic Level Weighted Average

The human health criterion is based on chronic mercury exposure over a lifetime; the criterion was not formulated to protect against acute exposures. In practice, acute exposure is not a big concern because most human exposure is from fish in the diet, and fish tissue mercury levels build up slowly over time. Some variation in exposure to mercury is expected over a lifetime, but if those variations are not large and they average out over time to a level below the criterion, the intended level of protection and safety will be achieved.

Because methylmercury tissue levels do vary over time—from species to species and from fish to fish—calculating a value for comparison to the criterion is a matter of much averaging. Idaho's criterion for methylmercury takes into account that bioaccumulation varies by trophic level (i.e., a fish's spot in the food chain) and species of fish. When data for a water body

² For example, EPA's estimated national median bioaccumulation factor for trophic level 3 fish (BAF₃) is 250,000 liters/kilogram. With this BAF, fish with 0.3 milligrams/kilogram of MeHg would result from water with only 1.2 **nanograms** of MeHg per liter of water.

represent fish from multiple trophic levels, the water quality standards (IDAPA 58.01.02.210.01) require that results be weighted by trophic level consumption rates.

Water body-specific fish consumption data are preferred and when available should be used to adjust these weightings to provide a better estimate of average human exposure to mercury from that water body. In the absence of location-specific consumption data, trophic level weighting is to be based on the default consumption rates specified in Idaho water quality standards (IDAPA 58.01.02.210.01). Within a trophic level, simple averaging is used to combine results for multiple species to represent that trophic level.

Regardless of the specificity of fish consumption data, the final result is a single average methylmercury value for a water body. This result will differ from IFCAP fish consumption advisories, of which there may be more than one, by species (e.g., rainbow trout, bass, crappie, and walleye). DEQ lists a water body as impaired based on a weighted average fish tissue mercury concentration for a water body. This average must combine results for all edible species for which data are available. However, if data are only available for one edible species, that is sufficient to make a listing decision on a water body. Data should be from a composite of at least 10 fish per species.

4 Ground Water Monitoring and Assessment

DEQ is responsible for protecting the quality of ground water in Idaho but does not undertake this task alone. DEQ monitors and protects ground water in Idaho through partnerships with the Idaho State Department of Agriculture, Idaho Department of Water Resources (IDWR), and many other state, local, and private agencies, organizations, businesses, and individuals. The roles of DEQ, Idaho State Department of Agriculture, IDWR, the Idaho Soil and Water Conservation Commission, and the Idaho public health districts are delineated in the Idaho Ground Water Protection Interagency Cooperative Agreement (http://www.deq.idaho.gov/media/565903-interagency_gw_cooperative_agreement_2008.pdf).

The Idaho Statewide Ground Water Quality Monitoring Program is designed to assess the current condition of Idaho's ground water quality, identify potential problem areas, and detect trends in ground water quality. The program is a cooperative effort between IDWR and the US Geological Survey's Water Resources Division. In addition, DEQ conducts regional and local ground water quality monitoring when the statewide program or other government agencies detect potential problem areas. DEQ also initiates its own evaluations and conducts regional and local monitoring in conjunction with other agencies. DEQ chairs the Idaho Ground Water Monitoring Technical Committee that includes membership from other Idaho state agencies, public health districts, the Idaho Water Research Institute, Idaho's universities, and federal agencies.

Idaho's ground water quality monitoring program results show that significant levels of ground water degradation have occurred in specific areas across the state. This negatively impacts water quality and potentially threatens domestic water supplies, aquaculture, agriculture, mining, industry, and other ground water beneficial uses. With input from other agencies, DEQ has established a statewide priority list of areas of significantly degraded ground water. This list is

based on levels of nitrate and is used to prioritize the development and implementation of management strategies to improve ground water in specific degraded areas.

Visit <http://www.deq.idaho.gov/water-quality/ground-water.aspx> for more information about DEQ's Ground Water Program and <http://www.idwr.idaho.gov/WaterInformation/GWQuality/default.htm> to learn about the Statewide Ground Water Quality Monitoring Program.

5 Public Participation in the Development of the Integrated Report

DEQ is soliciting comments on the draft 2012 Integrated Report. The public comment period is scheduled to run for 30 days, unless an extension is requested in writing to extend the public comment period.

5.1 Scope of Public Comment

The format of the Integrated Report is established by EPA, so DEQ is not seeking comment on this aspect of the report. However, DEQ does have some discretion regarding how it categorizes waters.³ In this regard, DEQ is soliciting public comment on all waters of the state. Specific comments—such as those regarding the placement of a water body in a certain category or an omission from a category—are the most helpful. Data- and site-specific comments are welcome and will be evaluated prior to final submission of the 2012 Integrated Report to EPA. The final version of the 2012 Integrated Report will include DEQ's responses to public comment in Appendix Q.

5.2 Basin and Watershed Advisory Groups Consultation

Prior to public comment, DEQ consulted with the BAGs and WAGs on new listings to Category 5, proposed delists from Category 4 and 5, and TMDL-related issues for this draft 2012 Integrated Report. During the 2013 legislative session, the existing law regarding DEQ consultation with the WAGs and BAGs was clarified with House Bill 271 (HB 271), signed into law on April 11, 2013. HB 271 clarifies the DEQ decisions that are subject to consultation and what DEQ must do to meet its obligation to consult. A standardized consultation process to ensure DEQ meets the requirements for consultation as clarified in HB 271 will be developed and published in the 2014 Integrated Report.

5.3 Milestones and Project Completion

Milestones for development of the Integrated Report, including opportunities for public comment, are shown in Table 16.

³ The exception is when waters are being moved from Category 5 (§303(d) list) to another category.

Table 16. Integrated Report development milestones.

Date	Milestone
December 2011	Begin 60-day call for data
January 2012	Close call for data
February 2012	Begin assessment of new water quality monitoring data
November 2012	Complete assessment of water bodies for draft 2012 Integrated Report
June 2013	Draft Integrated Report compiled; begin 30-day public comment period
TBD	Close public comment period; begin response to comments
TBD	Submit draft response to comments to EPA for review and approval
TBD	Final Integrated Report to EPA for review and approval

5.4 How to Comment

DEQ will make available to the public, via its website, a downloadable draft 2012 Integrated Report along with an interactive map to retrieve the locations of segments in relation to major landmarks such as roads, rivers, and county lines.

The public may submit written comments on the draft 2012 Integrated Report by one of the following methods:

By mail, fax, or e-mail to: Nicole Deinarowicz
Idaho DEQ
Water Quality Division
1410 N. Hilton
Boise, ID 83706
Fax: (208) 373-0576
E-mail: nicole.deinarowicz@deq.idaho.gov

On DEQ's website at: <http://www.deq.idaho.gov/water-quality/surface-water/monitoring-assessment/integrated-report.aspx>

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Appendix A. Nonpoint source program success stories

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Section 319

NONPOINT SOURCE PROGRAM SUCCESS STORY

Idaho

Removing Forest Roads and Restoring Streams Reduces Sediment in Yellowdog Creek

Waterbody Improved

Eroding forest roads had contributed excessive sediment to northern Idaho's Yellowdog Creek. As a result, the Yellowdog Creek assessment unit, encompassing 12.2 stream miles, was added to the state's 1994 Clean Water Act (CWA) section 303(d) list for sediment impairment. Beginning in 2000, the U.S. Forest Service (USFS) removed or repaired failing roads, restored riparian areas and implemented in-stream habitat improvement projects. Sediment loads in Yellowdog Creek have declined, and monitoring results show that sediment no longer impairs cold-water aquatic life such as the native westslope cutthroat trout. Therefore, the Idaho Department of Environmental Quality (DEQ) will propose removing the Yellowdog Creek assessment unit from the state's list of impaired waters in 2012 for sediment.

Problem

The 7.8-square-mile Yellowdog Creek watershed is in the North Fork Coeur d'Alene River Subbasin, which drains the west flank of Idaho's Bitterroot Mountain Range in the northern Rocky Mountains (Figure 1). Idaho Panhandle National Forests manages the entire Yellowdog Creek watershed.

Intensive timber harvest and road building occurred through much of the North Fork Coeur d'Alene River Subbasin from 1890 until the early 2000s. A dense network of roads was constructed, including some roads that were spaced 300 feet apart across hillsides to accommodate "jammer logging," a system in which logs are pulled with cables from the cutting area to a collection point. Access roads were often built directly adjacent to streams. Historically, sediment inputs from forest roads were excessive. Over the years, runoff and floodwaters continued to erode and wash out roads, particularly those near or adjacent to streams.

Water quality investigations in the early 1990s suggested that sediment inputs were impairing cold-water aquatic life in Yellowdog Creek. As a result, the Yellowdog Creek assessment unit (12.2 stream miles) was added to the 1994 CWA section 303(d) list for sediment. To confirm sediment impairment, in 1996 DEQ completed a Beneficial Use Reconnaissance Program (BURP) wadeable streams rapid bioassessment on two Yellowdog Creek sites, which yielded low scores for both the stream habitat index (SHI) and stream macroinvertebrate index (SMI). Because fish were not sampled, the stream fish index (SFI) could not be calculated. The middle



Figure 1. The Yellowdog Creek watershed is in the North Fork Coeur d'Alene River Subbasin in northern Idaho. USFS, as part of its extensive restoration efforts, removed a 2-mile-long road from the riparian area, added large woody debris and restored riparian and in-stream habitat.

site had an SHI score of 1 and an SMI score of 0, for an average score of 0.5; the lower site had an SHI score of 2 and an SMI score of 1, for an average score of 1.5. Index scores at both sites failed to meet the minimum average score of 2.0 that would have indicated full support of cold-water aquatic life according to DEQ's *Water Body Assessment Guidance*. When DEQ completed a total maximum daily load (TMDL) for the North Fork Coeur d'Alene Subbasin in 2001, the TMDL study identified erosion from road encroachment as the subbasin's largest sediment source.

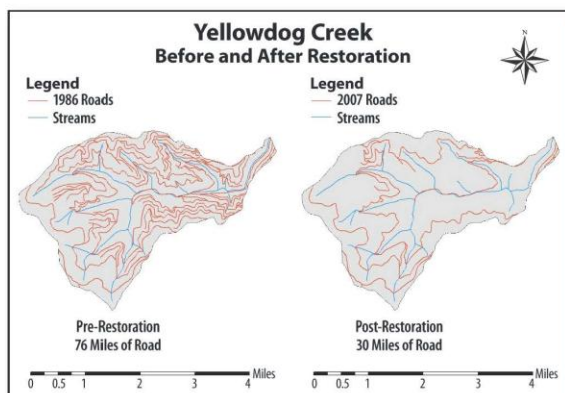


Figure 2. Road density declined following road decommissioning in the Yellowdog Creek watershed.

Project Highlights

The DEQ Nonpoint Source Management Program developed a statewide Nonpoint Source Management Plan in 1999. The plan included a memorandum of understanding between state and federal agencies that encouraged restoration on federal lands. In accordance with the plan, USFS implemented numerous restoration projects in the Yellowdog Creek watershed from 2000 to 2006. USFS decommissioned 46 miles of roads in the watershed (60 percent) and removed 111 stream crossings (Figure 2). The projects reduced sediment loads by stabilizing eroding streambanks and revegetating road surfaces and riparian areas. The most significant improvements occurred in the lower watershed, where USFS removed two miles of road directly adjacent to the stream. USFS restored the streambanks and riparian areas, placed 765 logs in the channel and used boulders to construct more than 100 pool-forming structures (see Figure 1). The structures (1) helped to stabilize the stream by providing additional grade control and (2) created cold-water aquatic life habitat by providing cover (hiding places) and increased channel complexity (different types of habitat in the same area).

Results

In 2008 DEQ and USFS initiated a state-mandated TMDL five-year review of Yellowdog Creek (and other watersheds within the North Fork Coeur d'Alene River Subbasin). In phase one, the partners selected

19 watersheds that had undergone extensive restoration work and then performed modeling and geographic information system analyses to evaluate which ones had likely made significant progress toward meeting the sediment TMDL goals. The model indicated that sediment loads in Yellowdog Creek had declined by an estimated 44 percent between 1986 and 2007, which prompted further study.

In the second phase of the TMDL review, DEQ and USFS verified modeling results in eight watersheds (including Yellowdog Creek watershed) using DEQ's BURP assessment and USFS' PACFISH/INFISH Biological Opinion (PIBO) Effectiveness Monitoring Program protocols. BURP data collected near the mouth of Yellowdog Creek in 2009 showed that the SHI, SMI and SFI scores had each improved to scores of 3, 3 and 2, respectively, for an average score of 2.7. Macroinvertebrate sampling showed an increase in diversity and included species associated with cold, clear mountain streams. The fish survey detected sculpin, westslope cutthroat trout and longnose dace—all native species associated with good water quality.

The BURP index scores and PIBO data on physical habitat, temperature and macroinvertebrates indicate that Yellowdog Creek fully supports cold-water aquatic life with respect to sediment. Following restoration, sediment loading is now within the assimilative capacity of the stream, based on modeling and post-restoration monitoring results. On the basis of these data, DEQ will propose removing the Yellowdog Creek assessment unit from the state's list of impaired waters in 2012 for sediment. The assessment unit will remain listed for a temperature impairment, which was added in 2010.

Partners and Funding

USFS spent approximately \$1 million in funding collected from timber sale receipts on restoration projects in the Yellowdog Creek and the adjacent Downey Creek watersheds. Numerous partners collaborated with USFS on planning and implementation, including the Army Corps of Engineers, Idaho Department of Water Resources, Idaho Department of Fish and Game, DEQ, North Idaho Fly Casters and the Kootenai Environmental Alliance. Partners in the TMDL five-year review included the USFS Idaho Panhandle National Forests Coeur d'Alene River Ranger District, the USFS PIBO Effectiveness Monitoring Program, DEQ's Coeur d'Alene Regional Office, the U.S. Environmental Protection Agency and the North Fork Coeur d'Alene River Watershed Advisory Group.



U.S. Environmental Protection Agency
Office of Water
Washington, DC

EPA 841-F-11-001RR
December 2011

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Section 319

NONPOINT SOURCE PROGRAM SUCCESS STORY

Idaho

Removing Roads and Restoring Streams Improves Steamboat Creek

Waterbody Improved

Eroding forest roads contributed excessive sediment to northern Idaho's Steamboat Creek, damaging aquatic habitat and impairing cold-water aquatic life such as the native westslope cutthroat trout. As a result, Steamboat Creek was added to the state's 1994 Clean Water Act (CWA) section 303(d) list for sediment impairment. Beginning in 1992, the U.S. Forest Service—Idaho Panhandle National Forests (USFS) removed or repaired failing roads, restored riparian areas and implemented in-stream habitat improvement projects. Sediment loads in Steamboat Creek have declined, and monitoring results show that sediment no longer impairs cold-water aquatic life. Therefore, the Idaho Department of Environmental Quality (DEQ) has proposed to remove a seven-mile-long segment of Steamboat Creek from the state's list of impaired waters in 2012 for sediment.

Problem

Steamboat Creek is in the North Fork Coeur d'Alene River Subbasin, which drains the west flank of Idaho's Bitterroot Mountain Range in the northern Rocky Mountains (Figure 1). Idaho Panhandle National Forests manages nearly all of the Steamboat Creek watershed.

Intensive timber harvest and road building occurred through much of the North Fork Coeur d'Alene River Subbasin from 1890 until the early 2000s. A dense network of roads was constructed, including some roads spaced 300 feet apart across hillsides to accommodate "jammer logging," a system in which logs are pulled with cables from the cutting area to a collection point. Access roads were often built directly adjacent to streams, which led to heavy sediment loading into the waterbodies from forest roads. Even after active logging ceased, runoff and floodwaters continued to erode and wash out roads, particularly those near or adjacent to streams.

Water quality investigations in the early 1990s suggested that sediment inputs were impairing cold-water aquatic life in Steamboat Creek. As a result, Steamboat Creek (seven stream miles) was added to the 1994 CWA section 303(d) list for sediment. To confirm impairment, in 1996 DEQ conducted biological monitoring under the Beneficial Use Reconnaissance Program (BURP). The data showed a low diversity of macroinvertebrates at a site near the mouth of the creek, confirming that the stream did not fully support cold-water aquatic life and should remain listed as impaired

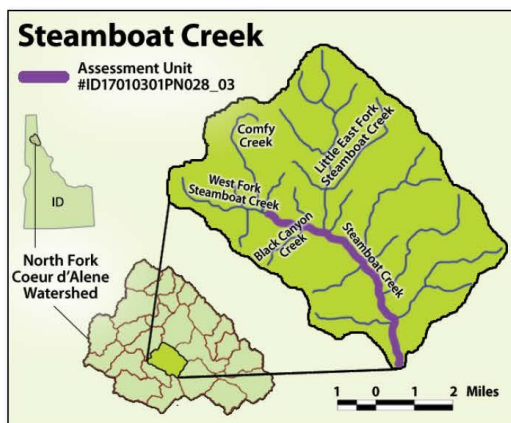


Figure 1. Idaho's Steamboat Creek assessment unit (seven stream miles) includes the main stem of Steamboat Creek and a portion of West Fork Steamboat Creek upstream to the confluence with Comfy Creek.

by sediment. In 2001 DEQ completed sediment total maximum daily loads (TMDLs) for the North Fork Coeur d'Alene River Subbasin, which identified erosion from forest roads as the subbasin's largest sediment source. The TMDL established a sediment load target of 1.5 times the natural background sediment load in the Steamboat Creek watershed, which meant that sediment loads needed to be reduced by approximately 53 percent to support cold-water aquatic life.

Project Highlights

In 1988 the USFS launched the Steamboat Creek watershed restoration project beginning with an intensive inventory of all roads and potential sediment sources. In 1992, the USFS removed 74 channel crossings and treated 41 miles of roads in the headwaters and 3.7 miles of roads in riparian areas within the East Fork Steamboat Creek watershed. USFS restored the streambanks and riparian areas, placed 500 logs in the channel and used 300 cubic yards of boulders to construct pool-forming structures. The structures: (1) helped to stabilize the stream by providing additional grade control and (2) created cold-water aquatic life habitat by providing cover (hiding places) and increased channel complexity (different types of habitat in the same area). USFS planted approximately 3,850 shrubs and trees in riparian areas. Between 1992 and 2007, USFS removed additional eroding forest roads in East Fork Steamboat Creek, for a total of 68 miles (Figure 2). Beginning in the early 1990s and continuing until 2010, USFS also completed extensive road removal and restoration work in the West Fork Steamboat Creek watershed and along the main stem Steamboat Creek.

Results

In 2008 DEQ and USFS initiated a state-mandated TMDL five-year review of Steamboat Creek and other watersheds within the North Fork Coeur d'Alene River Subbasin. Initially, the partners performed modeling and geographic information system analyses to evaluate which watersheds with extensive restoration work likely had made significant progress toward meeting the sediment TMDL goals. The model indicated that sediment loads in Steamboat Creek had declined by an estimated 43 percent between 1986 and 2007 (close to the TMDL goal of 53 percent reduction), which prompted further study.

In the second phase of the TMDL review, DEQ and USFS verified modeling results in eight watersheds (including Steamboat Creek watershed) using DEQ's BURP assessment and USFS' PACFISH/INFISH Biological Opinion (PIBO) Effectiveness Monitoring Program protocols. BURP data collected in East Fork Steamboat Creek in 2009 showed that the creek had an average BURP index score of 3.0, well above the minimum average BURP index score of 2.0 that is required to indicate support of cold-water aquatic life. Macroinvertebrate sampling showed an increase in diversity and included species associated with cold, clear mountain streams. The fish survey detected sculpin, westslope cutthroat trout

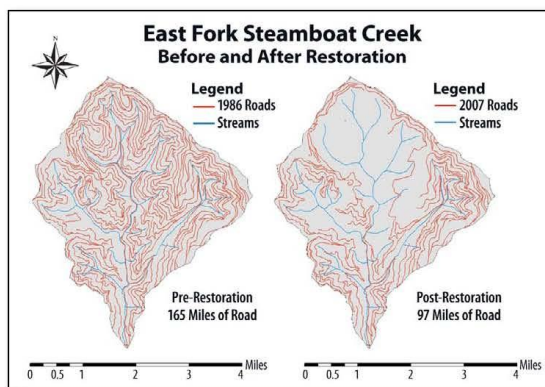


Figure 2. Road density declined following road removal in the East Fork Steamboat Creek watershed.

and longnose dace—all native species associated with good water quality. These data in the headwaters, combined with 2003 and 2007 DEQ BURP data on the main stem Steamboat Creek demonstrate improvements in water quality and aquatic life. These data were further confirmed by the PIBO data collected on physical habitat, temperature and macroinvertebrates, which indicate that the Steamboat Creek assessment unit fully supports cold-water aquatic life with respect to sediment. On the basis of these data, DEQ has proposed to remove Steamboat Creek from the state's list of impaired waters in 2012 for sediment. Steamboat Creek remains listed as impaired for temperature.

Partners and Funding

USFS spent nearly \$1 million collected from timber sale receipts (a funding source established by the Knudtsen-Vandenberg Act) and USFS-appropriated funds on restoration projects in the Steamboat Creek watershed. Numerous partners collaborated with USFS on planning and implementation, including the Army Corps of Engineers, Idaho Department of Water Resources, Idaho Department of Fish and Game, DEQ, North Idaho Fly Casters and the Kootenai Environmental Alliance. Partners in the TMDL five-year review included the USFS Idaho Panhandle National Forests Coeur d'Alene River Ranger District, the USFS PIBO Effectiveness Monitoring Program, DEQ's Coeur d'Alene Regional Office, the U.S. Environmental Protection Agency and the North Fork Coeur d'Alene River Watershed Advisory Group.



U.S. Environmental Protection Agency
Office of Water
Washington, DC

EPA 841-F-11-001RR
August 2012

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Section 319

NONPOINT SOURCE PROGRAM SUCCESS STORY

Idaho

Watershed Restoration Decreases Sediment Levels and Improves Fish Habitat in Upper Tepee Creek

Waterbody Improved

Excessive sedimentation from eroding forest roads impacted cold-water aquatic life in Idaho's Upper Tepee Creek. As a result, the waterbody assessment unit was added to the state's 1994 Clean Water Act (CWA) section 303(d) list of impaired waters for sediment. Since the 1990s, watershed stakeholders, led by the U.S. Forest Service—Idaho Panhandle National Forests (USFS), have removed or repaired failing roads and restored stream habitat. These activities have greatly reduced sediment levels, improved aquatic habitat and enhanced an important cutthroat trout fishery. As a result, the Idaho Department of Environmental Quality (DEQ) has proposed to remove the Upper Tepee Creek assessment unit from the state's list of impaired waters in 2012 for sediment.

Problem

The Upper Tepee Creek watershed is in the headwaters of the North Fork Coeur d'Alene River Subbasin in the northern Rocky Mountains of Idaho. The watershed lies within the boundaries of the Idaho Panhandle National Forests, but some of the land is privately owned. The Upper Tepee Creek assessment unit (ID17010301PN020 _ 02) includes the watershed's first- and second-order streams (Figure 1).

Intensive timber harvesting and associated road-building occurred in the watershed from the 1930s to the 1990s. Culvert failures and eroding roads (particularly at stream crossings and in riparian areas) contributed large amounts of sediment to streams. In the early 1990s, riffle stability studies and other habitat data were used to determine that cold-water aquatic life was impaired due to sediment; as a result, the assessment unit (a total of 49 miles) was added to the 1994 CWA section 303(d) list. The suspected source of excess sediment was erosion from forest roads.

In 1996 DEQ conducted biological monitoring under the Beneficial Use Reconnaissance Program (BURP) at two sites in Big Elk Creek. BURP data showed a low diversity of macroinvertebrates in upper Big Elk Creek, confirming that the streams should remain listed as impaired by sediment. A 2001 subbasin assessment further confirmed the sediment impairment based on available biological data and riffle armor stability index values.

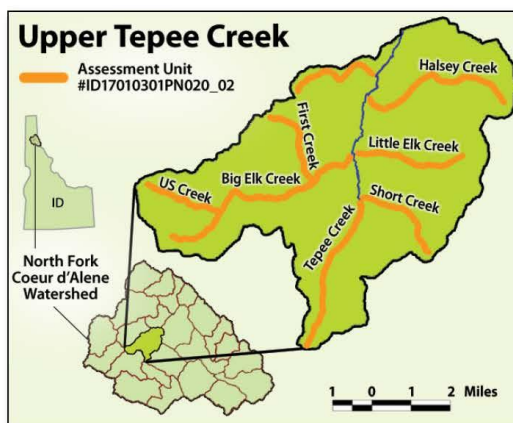


Figure 1. Idaho's Upper Tepee Creek assessment unit includes the watershed's first- and second-order streams, totaling 49 miles. (Note: some smaller tributaries comprising assessment unit do not appear on map).

In 2001, DEQ completed sediment total maximum daily loads (TMDLs) for the North Fork Coeur d'Alene River Subbasin, which included the Upper Tepee Creek assessment unit. The TMDL established a sediment load target of 1.5 times the natural background sediment load, which meant that sediment loads needed to be reduced by approximately 21 percent to support cold-water aquatic life.

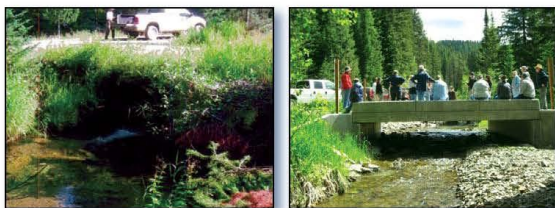


Figure 2. Project partners replaced an undersized culvert that had partially blocked fish passage (left) with a bridge (right) on lower Short Creek in 2010.

Project Highlights

Beginning in the 1990s, the USFS and its partners implemented numerous restoration projects. The USFS restored 17 stream crossings on 12 miles of road in the Big Elk Creek tributary watershed. In 1999 and 2000, the USFS decommissioned an additional 35 miles of road and treated 69 channel crossings. The projects included planting trees and placing woody debris at stream crossings and on treated roads.

Restoration continued into 2010 along tributaries to Upper Tepee Creek (Riley and Short creeks). The USFS and the North Idaho Fly Casters, with the support of other partners, led a project to decommission 18 miles of road, remove 19 culvert crossings, plant riparian areas and improve in-stream habitat (Figure 2). The projects reduced the amount of sediment and, in some cases, removed barriers to upstream spawning habitat.

Results

In 2008 DEQ worked with the North Fork Coeur d'Alene River Watershed Advisory Group (WAG) and the USFS to review the subbasin's sediment TMDLs. Because stakeholders had performed extensive restoration and TMDL implementation work in Upper Tepee Creek, project partners identified the need for post-project monitoring to assess water quality improvement. DEQ and USFS used modeling and geographic information system analyses to estimate the sediment load reductions achieved since the TMDLs were established. The model suggested that restoration projects reduced the estimated annual sediment load by 22 percent, exceeding the target of 21 percent prescribed by the TMDL.

To validate the modeled results, USFS and DEQ conducted biological monitoring on Big Elk Creek in 2009. Crews used DEQ's BURP protocols and USFS' PACFISH/INFISH Biological Opinion (PIBO) Effectiveness Monitoring Program protocols to collect information about the biological, chemical and physical condition of the streams. BURP data collected near the mouth of Big Elk Creek in 2009 yielded an average score of 2.0. The site meets the minimum average score of 2.0 required to support cold-water aquatic life according to DEQ's *Water Body Assessment Guidance*.

Macroinvertebrate sampling collected in 2009 in Big Elk Creek showed good diversity and included species associated with cold, clear mountain streams. Fish surveys detected westslope cutthroat trout and sculpin, both native species associated with good water quality. Fish population monitoring conducted by the Idaho Department of Fish and Game in Upper Tepee Creek has shown an increase in cutthroat trout densities in the past 10 years—from almost no fish in 2001 to more than 1.5 fish per 100 square meters in 2011.

Modeling and post-restoration data indicate that the streams in the Upper Tepee Creek assessment unit fully support cold-water aquatic life with respect to sediment. As a result, DEQ has proposed to remove the Upper Tepee Creek assessment unit (49 miles) from the state's list of impaired waters in 2012 for sediment. The assessment unit will remain listed for temperature impairment, although the riparian planting projects of the past decade should help to increase shade in the future.

Partners and Funding

Partners in the TMDL five-year review included the USFS Idaho Panhandle National Forests' Coeur d'Alene River Ranger District, the USFS PIBO Effectiveness Monitoring Program, DEQ's Coeur d'Alene Regional Office, the U.S. Environmental Protection Agency (EPA) and the North Fork Coeur d'Alene River WAG. Multiple partners provided funds to restore the headwater tributaries of Tepee Creek, including the USFS (\$195,000 in funding collected from timber sale receipts), the National Fish and Wildlife Foundation (\$55,090), the Idaho Department of Fish and Game (\$180,000), North Idaho Fly Casters, EPA's CWA section 319 program (\$20,000), the National Interagency Fire Center (in-kind and matching funds: \$13,333), and a combination of the President's Fund (special funding for watershed restoration work) and special appropriated watershed funds (\$106,000).



U.S. Environmental Protection Agency
Office of Water
Washington, DC

EPA 841-F-12-001CC
August 2012

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Section 319

NONPOINT SOURCE PROGRAM SUCCESS STORY

Idaho

Restoring Streams Decreases Sediment Levels and Improves Fish Habitat in Middle Tepee Creek

Waterbody Improved

Excessive sedimentation from eroding forest roads impacted cold-water aquatic life in Idaho's Middle Tepee Creek. As a result, the waterbody assessment unit was added to the state's 1994 Clean Water Act (CWA) section 303(d) list of impaired waters for sediment. Since the 1990s, watershed stakeholders, led by the U.S. Forest Service–Idaho Panhandle National Forests (USFS), have removed or repaired failing roads and restored stream habitat. In this section of stream and upstream in the watershed, these activities reduced sediment levels, improved aquatic habitat, and enhanced an important cutthroat trout fishery. As a result, the Idaho Department of Environmental Quality (DEQ) has proposed to remove the Middle Tepee Creek assessment unit from the state's list of impaired waters in 2012 for sediment.

Problem

The Middle Tepee Creek watershed is in the headwaters of the North Fork Coeur d'Alene River Subbasin in the northern Rocky Mountains of Idaho. Most of the watershed is managed by the Idaho Panhandle National Forests, but some of the land is privately owned. The Middle Tepee Creek assessment unit (ID17010301PN020_03) includes the main stem of Tepee Creek between Short Creek and Trail Creek (Figure 1). The stream's headwaters and tributaries are designated as a separate assessment unit (Upper Tepee Creek, ID17010301PN020_02).

Intensive timber harvesting and associated road-building occurred in the watershed from the 1930s to the 1990s. Culvert failures and eroding roads (particularly at stream crossings and in riparian areas) contributed large amounts of sediment to streams. In the early 1990s, riffle stability studies and other habitat data were used to determine that cold-water aquatic life was impaired due to sediment; as a result, the Middle Tepee Creek assessment unit (a total of 4.6 miles) was added to the 1994 CWA section 303(d) list. The suspected source of excess sediment was erosion from forest roads.

In 1996 DEQ conducted biological monitoring under the Beneficial Use Reconnaissance Program (BURP) at two sites in Tepee Creek. BURP results showed that both sites did not qualify as fully supporting the cold-water aquatic life beneficial use, confirming that the creek should remain listed as impaired by sediment. A 2001 subbasin assessment further

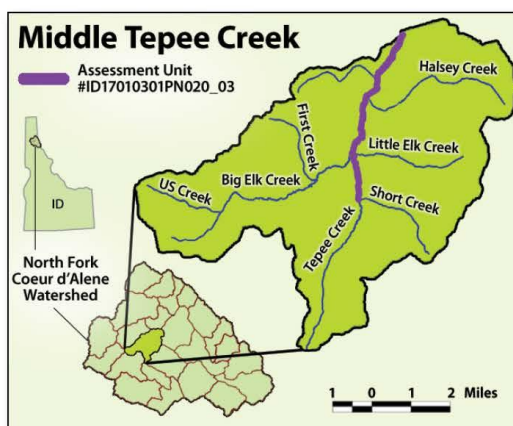


Figure 1. Idaho's Middle Tepee Creek assessment unit includes the mainstem of Tepee Creek.

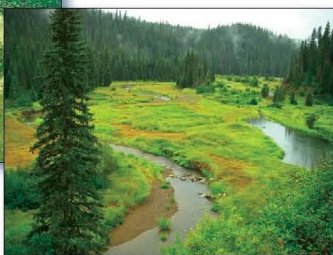
confirmed the sediment impairment based on available biological data and riffle armor stability index values.

In 2001, DEQ completed sediment total maximum daily loads (TMDLs) for the North Fork Coeur d'Alene River Subbasin, which included the Middle Tepee Creek assessment unit. The TMDL established a sediment reduction target of 1.5 times the natural background annual sediment load to support cold-water aquatic life.



Figure 2. The Tepee Creek Meadows Restoration Project included reconstruction of stream meanders (blue) where the stream had been channelized (orange).

Figure 3. Middle Tepee Creek after reconstruction of meanders and revegetation, 2008.



Project Highlights

Beginning in the mid-1990s, the USFS restored 86 eroding stream crossings and removed 47 miles of eroding forest roads that were impacting the head-water tributaries of Tepee Creek. In the fall of 2000, USFS initiated the Tepee Creek Meadows Restoration Project, a major stream restoration effort along the mainstem of Tepee Creek. The project restored fish habitat and riparian function along a 7,200-foot degraded section of the creek and adjacent meadow complex. Past land management efforts on this portion of Tepee Creek had stripped the vegetation from the floodplain and channelized the stream. The restoration project re-established a natural stream channel and incorporated materials such as boulders, trees and rootwads to stabilize streambanks and improve fish habitat. Eighteen constructed meanders improved fish habitat by increasing pool frequency, depth and volume (Figures 2 and 3).

Results

In 2008 DEQ worked with the North Fork Coeur d'Alene River Watershed Advisory Group (WAG) and the USFS to review the subbasin's sediment TMDLs. Because stakeholders had performed extensive restoration and TMDL implementation work in Upper Tepee Creek, project partners identified the need for post-project monitoring to assess water quality improvement. DEQ and USFS used modeling and geographic information system analyses to estimate the sediment load reductions achieved since the TMDLs were established. The

model suggested that restoration projects reduced the estimated annual sediment load by 22 percent in the Tepee Creek watershed.

To validate the modeled results, USFS and DEQ conducted biological monitoring on Tepee Creek in 2009. Crews used DEQ's BURP protocols and USFS' PACFISH/INFISH Biological Opinion (PIBO) Effectiveness Monitoring Program protocols to collect information about the biological, chemical and physical condition of the streams. BURP data collected in Tepee Creek just upstream of Big Elk Creek in 2009 showed an average score of 2.7, which meets the minimum average score of 2.0 required to support cold-water aquatic life according to DEQ's *Water Body Assessment Guidance*.

Macroinvertebrate sampling in Tepee Creek showed good diversity and included species associated with cold, clear mountain streams. Fish surveys detected westslope cutthroat trout and sculpin, both native species associated with good water quality. Fish population monitoring conducted by the Idaho Department of Fish and Game in Tepee Creek has shown an increase in cutthroat trout densities in the past 10 years—from almost no fish in 2001 to more than 1.5 fish per 100 square meters in 2011.

Modeling and post-restoration data indicate that the mainstem of Middle Tepee Creek fully supports cold-water aquatic life with respect to sediment. As a result, DEQ has proposed to remove the Middle Tepee Creek assessment unit (4.6 miles) from the state's list of impaired waters in 2012 for sediment. The assessment unit will remain listed for temperature impairment, although the riparian planting projects of the past decade should help to increase shade in the future.

Partners and Funding

Partners in the TMDL five-year review included the USFS Idaho Panhandle National Forests Coeur d'Alene River Ranger District, the USFS PIBO Effectiveness Monitoring Program, DEQ's Coeur d'Alene Regional Office, the U.S. Environmental Protection Agency and the North Fork Coeur d'Alene River WAG. USFS spent approximately \$350,000 in funding collected from timber sale receipts on restoration projects in the Middle Tepee Creek watershed. The Idaho Department of Transportation contributed \$30,000 in wetland mitigation dollars to support the Tepee Creek Meadows Restoration Project. The North Idaho Fly Casters provided thousands of hours of volunteer service for the Tepee Creek Meadows project.



U.S. Environmental Protection Agency
Office of Water
Washington, DC

EPA 841-F-12-001DD
August 2012

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Section 319

NONPOINT SOURCE PROGRAM SUCCESS STORY

Idaho

Implementing Management Practices Decreases Bacteria in the Raft River

Waterbody Improved

Historical agriculture and grazing land uses contributed nonpoint source pollution to Idaho's Raft River. As a result, in 1994 the Idaho Department of Environmental Quality (DEQ) added the Raft River Subbasin to the state's Clean Water Act (CWA) section 303(d) list of impaired waters for bacteria, sediment and other pollutants. Stakeholders have implemented agricultural and grazing-related best management practices (BMPs) throughout the subbasin, which has led to water quality improvements. One 19-mile-long segment (assessment unit) in the watershed now meets water quality standards for bacteria, prompting DEQ to propose removing the bacteria impairment for this assessment unit from the state's list of impaired waters in the 2012 Integrated Report.

Problem

The Raft River originates in Box Elder County in northern Utah and flows north to join the Snake River in southeastern Idaho's Cassia County (Figure 1). Most (approximately 82 percent) of the 967,150-acre Raft River Subbasin is in Idaho. The major land uses in the subbasin are rangeland (49 percent), forests (25 percent), and cropland and pastureland (25 percent).

Intermittent water quality data collected from the late 1980s to the mid-1990s indicated that the Raft River failed to support its secondary contact recreation beneficial use because of elevated bacteria levels. The river also failed to support a number of other beneficial uses. As a result, in 1994 the DEQ added a portion of the Raft River Subbasin to the state's CWA section 303(d) list of impaired waters, citing numerous pollutants, including bacteria, sediment, dissolved oxygen, temperature and salinity. In 2002, Idaho modified its segmentation framework to conform to assessment units (organized by stream order). The impaired fourth-order (main stem) Raft River assessment units are ID17040210SK013_04 (Idaho/Utah border to Edwards Creek), ID17040210SK010_04 (Unnamed Tributary to Cottonwood Creek) and ID17040210SK008_04 (Cottonwood Creek to Cassia Creek). Impaired tributaries to the Raft River are listed as separate assessment units.

To confirm impairment and determine background levels of bacteria (and other pollutants), DEQ and the Idaho Association of Soil Conservation Districts (IASCD) collected water quality data along the Raft River from 1999 through 2002. Idaho's secondary contact recreation water quality standard



Figure 1. Idaho's Raft River is in the Snake River watershed.

states that if a single measurement exceeds 576 colony-forming units per 100 milliliters of water (576 cfu/100 mL), the possibility exists that the 30-day geometric mean of 126 cfu/100 mL may have been violated and additional sampling should be conducted to determine the geometric mean. Five samples collected within the 30-day period of May 5–June 3, 2002 at the Raft River Narrows monitoring site (near the uppermost extent of assessment unit ID17040210SK010_04) revealed a geometric mean of 349 cfu/100 mL, a clear exceedance of state water quality standards.

To help identify and address pollution problems, DEQ developed Raft River Subbasin total maximum daily loads (TMDLs) for bacteria, sediment and temperature in 2004. The TMDL identified potential pollution sources of bacteria as confined animal feeding operations, septic systems, and activities such as farming and grazing.

In 2006, staff members from the Idaho Soil and Water Conservation Commission (SWC), IASCD and the East Cassia Soil and Water Conservation District (SWCD) worked together to develop the Raft River TMDL Implementation Plan for Agriculture. The plan outlined an adaptive management approach for implementing BMPs to meet the requirements of the Raft River TMDL.

Project Highlights

As early as the 1990s, watershed partners were working to reduce pollution in the Raft River. DEQ used CWA section 319 funds to support a Raft River Riparian and Watershed Demonstration project in 1999–2001. Project partners worked with property owners to stabilize streambanks, install erosion control BMPs and revegetate barren areas. Between 2004 and 2008, the U.S. Department of Agriculture's Natural Resources Conservation Service (NRCS), the Idaho SWC and the East Cassia SWCD worked with landowners in the Raft River Subbasin to implement numerous BMPs, including livestock access controls (104,486 feet of fencing across 3,598 acres), conservation cover crops (18,574 acres), contour farming practices (5,426 acres), 23 water and sediment control basins, nutrient management plans (5,980 acres) and relocation of corrals. Approximately 43,600 acres were removed from production through NRCS' Conservation Reserve Program. The Idaho SWC provided technical and financial assistance to help landowners convert from flood to sprinkler irrigation. This conservation practice eliminated runoff from irrigation return flows, a major factor in reducing bacterial sources impacting this portion of the Raft River.

Federal agencies have also worked to reduce the amount of nonpoint source pollution reaching the Raft River. Since the mid-1990s, the Forest Service has implemented grazing management requirements and installed watering troughs, riparian fencing and other livestock exclusion practices on its leased allotments. Similarly, the U.S. Bureau of Land Management (BLM) excluded livestock grazing on BLM-administered land near the perennial segments of the Raft River (Figure 2), planted cottonwood trees within exclosures (small fenced areas installed to prevent livestock and wildlife from accessing riparian areas), and implemented riparian pasture BMPs along Cassia Creek, a Raft River tributary.

Results

BMP implementation efforts are helping to restore the Raft River. Water quality samples collected in the summers of 2010 and 2011 in the Raft River assessment unit ID17040210SK010 _ 04 (Unnamed Tributary to Cottonwood Creek) showed that bacteria levels are now meeting water quality standards. Levels ranged from 34.5 to 205 cfu/100 mL, well below the single sample threshold of 576 cfu/100 mL for bacteria in waters designated for secondary contact recreation. A geometric mean calculated for the 2011 data showed that the assessment unit had a bacteria geometric mean of 123 cfu/100 mL, which is below the applicable water quality criterion of 126 cfu/100 mL. On the basis of these data, DEQ is proposing to remove the bacteria impairment for the 19.1-mile assessment unit ID17040210SK010 _ 04 from the state's 2012 list of impaired waters. The assessment unit remains listed as impaired for temperature and sediment. Monitoring has not yet been completed in the adjacent (upstream and downstream) impaired assessment units (ID17040210SK010 _ 04 and ID17040210SK008 _ 04); therefore, these will remain listed as impaired.

Partners and Funding

Major partners have included DEQ, the Idaho Department of Agriculture, the Idaho SWC, IASCD, the East Cassia SWCD, the Forest Service, NRCS, BLM and local landowners. Key funding sources have included a \$281,333 CWA section 319 grant (including \$112,515 in local matching funds) and a \$250,041 Water Quality Program for Agriculture grant from the Idaho SWC (including \$62,510 in local matching funds).

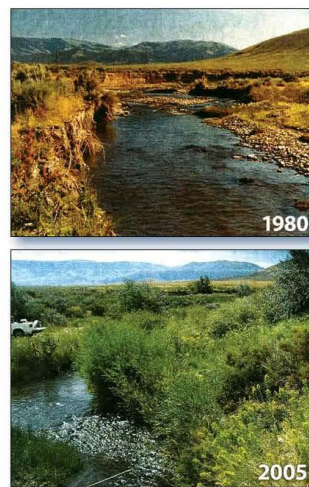


Figure 2. Raft River at the Narrows, before (top) and after (bottom) BLM installed exclosures to limit livestock access to the river.



U.S. Environmental Protection Agency
Office of Water
Washington, DC

EPA 841-F-13-001S
May 2013

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Appendix B. Waters on tribal land that will be affected by the new policy in the 2014 Integrated Report.

Coeur d'Alene Tribe

Assessment Unit	Water Body Name
ID17010303PN001_02	Tribs to Coeur d'Alene Lake
ID17010303PN001L_0L	Coeur d'Alene Lake
ID17010303PN005_02	Fighting Creek - headwaters to tribal boundary
ID17010303PN005_03	Fighting Creek - source to mouth
ID17010303PN006_02	Lake Creek - Idaho/Washington border to mouth
ID17010303PN006_03	Lake Creek - Idaho/Washington border to mouth
ID17010303PN006_04	Lake Creek - Idaho/Washington border to mouth
ID17010303PN009_02	Black Lake - Stream order 1 & 2
ID17010303PN009_03	Black Lake - Stream order 3
ID17010303PN009L_0L	Black Lake
ID17010303PN010_02	Medicine Lake - Stream order 1 & 2
ID17010303PN011_02	Willow Creek - source to mouth
ID17010303PN012_02	Evans Creek - source to mouth
ID17010303PN012_03	Evans Creek - source to mouth
ID17010303PN015_02	Latour Creek - source to mouth
ID17010304PN001_02	01 & 02 Tribs to Chatcolet Lake
ID17010304PN001L_0L	Chatcolet Lake
ID17010304PN002_02	Plummer Creek - source to mouth
ID17010304PN002_03	Plummer Creek - source to mouth
ID17010304PN002_04	Plummer Creek - source to mouth
ID17010304PN003_02	Pedee Creek - source to mouth
ID17010304PN004_02	Benewah Creek - source to mouth
ID17010304PN004_03	Benewah Creek - source to mouth
ID17010304PN005_02	St. Joe River - St. Maries River to mouth
ID17010304PN005_06	St. Joe River - St. Maries River to mouth
ID17010304PN006_02	Cherry Creek - source to mouth
ID17010304PN007_02	St. Maries River - Santa Creek to mouth
ID17010304PN008_02	Alder Creek - source to mouth
ID17010304PN009_02	John Creek - source to mouth
ID17010304PN027_02	St. Joe River - North Fork St. Joe River to St. Maries River
ID17010304PN027_05	St. Joe River - North Fork St. Joe River to St. Maries River
ID17010304PN069_02	Deep Creek - source to mouth
ID17010306PN001_02	Hangman Creek - Tribs to Hangman Cr from Headwaters to WA
ID17010306PN001_03a	Hangman Creek Tribal Boundary to WA State Line

Coeur d'Alene Tribe

Assessment Unit	Water Body Name
ID17010306PN002_02	Little Hangman Creek - source to Idaho/Washington border
ID17010306PN002_03	Moctileme Creek
ID17010306PN002_04	Little Hangman Creek
ID17010306PN003_02	Rock Creek
ID17010306PN004_02	Rose Creek
ID17010306PN004_03	Middle Fork Rock Creek - source to Idaho/Washington border
ID17010306PN005_02	North Fork Rock Creek
ID17010306PN005_03	North Fork Rock Creek - source to Idaho/Washington border
ID17060109CL003_02	Unnamed tributaries - source to Idaho/Washington border (T44N, R05W, Sec. 18)

Duck Valley Shoshone-Paiute Tribe

Assessment Unit	Water Body Name
ID17050102SW016_01L	Otter Reservoir
ID17050102SW016_02	Marys Creek - 1st and 2nd order
ID17050102SW016_03	Marys Creek - 3rd order
ID17050102SW016_04	Marys Creek - 4th order
ID17050104SW004_02	Juniper Creek - 1st and 2nd order
ID17050104SW005_02	Juniper Creek - 1st and 2nd order
ID17050104SW006_01L	Unnamed Lake
ID17050104SW006_02	Thacker and Ross Sloughs - 1st and 2nd order
ID17050104SW006_03	Ross Slough - 3rd order
ID17050104SW006_05	Owyhee River - 5th order (above Blue Creek)
ID17050104SW006_06	Owyhee River - Blue Creek to Juniper Creek
ID17050104SW007_02	Blue Creek: 1st and 2nd order tributaries above Blue Creek Reservoir
ID17050104SW007_02L	Unnamed lakes in Duck Valley Indian Reservation
ID17050104SW007_03	Blue Creek - Blue Creek Reservoir to Little Blue Creek
ID17050104SW007_05	Blue Creek - Shoofly Creek to Owyhee River
ID17050104SW008_02	Boyle Creek - 1st and 2nd order
ID17050104SW008_02L	Boyle Creek Reservoir
ID17050104SW008_03	Boyle Creek - 3rd order
ID17050104SW008L_0L	Mountain View Lake
ID17050104SW009_02	Damon Trail, Mud, Papoose, Bell and Miller Creeks
ID17050104SW009_03	Dry Creek - 3rd order
ID17050104SW010_03	Payne Creek - 3rd order
ID17050104SW011_02	Squaw Creek - 1st and 2nd order
ID17050104SW011_03	Squaw Creek - 3rd order
ID17050104SW016_02	Unnamed tributary to Little Jarvis Lake
ID17050104SW016_02L	Little Jarvis Lake
ID17050104SW017_02	Little Rough Lake Creek
ID17050104SW017_02L	Rough Lake
ID17050104SW018_02	Unnamed tributary to Ross Lake
ID17050104SW018_02L	Ross Lake
ID17050104SW021_02	Unnamed tributary to Owyhee River near Ross Lake
ID17050104SW021_02L	Unnamed Lake

Fort Hall Indian Reservation

Assessment Unit	Water Body Name
ID17040206SK001_02	American Falls Reservoir 1st and 2nd order tribs
ID17040206SK001_05	American Falls Reservoir - Bannock Creek
ID17040206SK001L_0L	American Falls Reservoir (Snake River)
ID17040206SK002_02	Bannock Creek - source to American Falls Reservoir
ID17040206SK002_04	Bannock Creek - source to American Falls Reservoir
ID17040206SK002_05	Bannock Creek - source to American Falls Reservoir
ID17040206SK003_02	Starlight Creek - source to mouth
ID17040206SK004_02	Blind Spring - source to mouth
ID17040206SK006_02	Moonshine Creek - source to mouth
ID17040206SK006_03	Moonshine Creek - source to mouth
ID17040206SK006_04	Moonshine Creek - source to mouth
ID17040206SK007_02	Sawmill Creek - source to mouth
ID17040206SK007_03	Sawmill Creek - source to mouth
ID17040206SK008_02	West Fork Bannock Creek - source to mouth
ID17040206SK010_02	Rattlesnake Creek - source to mouth
ID17040206SK010_02a	Crystal Creek
ID17040206SK010_04	Rattlesnake Creek - lower
ID17040206SK012_02	Midnight Creek - source to mouth
ID17040206SK013_02	Michaud Creek - source to mouth
ID17040206SK013_03	Michaud Creek
ID17040206SK014_02	Ross Fork - Gibson Canal to American Falls Reservoir
ID17040206SK014_04	Ross Fork - Gibson Canal to American Falls Reservoir
ID17040206SK015_02	Ross Fork - Indian Creek to Gibson Canal
ID17040206SK015_04	Ross Fork - Indian Creek to Gibson Canal
ID17040206SK016_02	Indian Creek - source to mouth
ID17040206SK017_02	South Fork Ross Fork - source to mouth
ID17040206SK017_03	South Fork Ross Fork - source to mouth
ID17040206SK018_02	Ross Fork - source to South Fork Ross Fork
ID17040206SK018_03	Ross Fork - source to South Fork Ross Fork
ID17040206SK018_04	Ross Fork - source to South Fork Ross Fork
ID17040206SK019_02	Clear Creek - source to American Falls Reservoir
ID17040206SK020_02	Spring Creek - source to American Falls Reservoir
ID17040206SK021_02	Big Jimmy Creek - source to American Falls Reservoir
ID17040206SK022_02	Snake River - river mile 791
ID17040206SK022_04	Snake River
ID17040206SK023_02	Jeff Cabin Creek - source to mouth
ID17040207SK001_02	Blackfoot River - Fort Hall Main Canal diversion to mouth
ID17040207SK001_05	Blackfoot River - Fort Hall Main Canal diversion to mouth

Fort Hall Indian Reservation

Assessment Unit	Water Body Name
ID17040207SK002_02	Blackfoot River - Blackfoot Reservoir Dam to Fort Hall Main
ID17040207SK002_02a	Beaver Creek
ID17040207SK002_02b	Deadman Creek
ID17040207SK002_03	Blackfoot River - Blackfoot Reservoir Dam to Fort Hall Main
ID17040207SK002_04	Blackfoot River - Blackfoot Reservoir Dam to Fort Hall Main
ID17040207SK002_05	Blackfoot River – Blackfoot Reservoir Dam to Fort Hall Main
ID17040207SK003_02	Garden Creek - source to mouth
ID17040207SK004_02	Wood Creek - source to mouth
ID17040207SK004_03	Wood Creek - source to mouth
ID17040208SK001_02	Portneuf River - Marsh Creek to American Falls Reservoir
ID17040208SK001_05	Portneuf River - Marsh Creek to American Falls Reservoir
ID17040208SK019_02	01 & 02 tribs to Chesterfield Reservoir
ID17040208SK019L_0L	Chesterfield Reservoir
ID17040208SK020_02	Portneuf R.-tributaries - source to Chesterfield Reservoir
ID17040208SK020_03	Portneuf River - source to Chesterfield Reservoir
ID17040208SK021_02a	Little Toponce Creek
ID17040208SK021_02b	North Fork Toponce Creek
ID17040208SK021_02e	Upper Toponce Creek
ID17040209SK010_02	East Fork Rock Creek - source to mouth

Nez Perce Tribe

Assessment Unit	Water Body Name
ID17060103SL016_02	Tammany Creek - source to unnamed tributary (T34N, R04W, Sec. 19)
ID17060108CL001_02	Cow Creek - source to Idaho/Washington border
ID17060304CL001_02	Middle Fork Clearwater River - confluence of Lochsa
ID17060304CL001_05	Middle Fork Clearwater River - confluence of Lochsa
ID17060304CL002_02	Clear Creek - South Fork Clear Creek to mouth
ID17060304CL002_04	Clear Creek - South Fork Clear Creek to mouth
ID17060304CL011_02	Maggie Creek - source to mouth
ID17060304CL011_03	Maggie Creek - source to mouth
ID17060305CL001_02	South Fork Clearwater River - Butcher Creek to mouth
ID17060305CL001_05	South Fork Clearwater River - Butcher Creek to mouth
ID17060305CL002_02	Cottonwood Creek - Cottonwood Creek waterfall (9.0 miles upstream)
ID17060305CL002_04	Cottonwood Creek - 4th order; waterfall to mouth
ID17060305CL003_02	Cottonwood Creek - source to Cottonwood Creek waterfall
ID17060305CL003_04	Cottonwood Creek - source to Cottonwood Creek waterfall
ID17060305CL004_02	Red Rock Creek - Red Rock Creek waterfall to mouth
ID17060305CL004_03	Red Rock Creek - Red Rock Creek waterfall to mouth
ID17060305CL005_02	Red Rock Creek - source to Red Rock Creek waterfall
ID17060305CL005_03	Red Rock Creek - source to Red Rock Creek waterfall
ID17060305CL006_02	Stockney Creek - source to mouth
ID17060305CL006_03	Stockney Creek - source to mouth
ID17060305CL010_02	Threemile Creek - source to unnamed tributary
ID17060305CL010_03	Threemile Creek - unnamed tributary to mouth
ID17060305CL011_02	Butcher Creek - source to mouth
ID17060305CL012_05	South Fork Clearwater River - Johns Creek to Butcher Creek
ID17060305CL081_03	Sally Ann Creek - Wall Creek to mouth
ID17060305CL082_02	Rabbit Creek - source to mouth
ID17060306CL002_02	Clearwater River - Potlatch River to Lower Granite Dam pool
ID17060306CL002_07	Clearwater River - Potlatch River to Lower Granite Dam pool
ID17060306CL003_02	Lindsay Creek - source to mouth
ID17060306CL003_02a	Mann's Reservoir
ID17060306CL004_02	Lapwai Creek - Sweetwater Creek to mouth
ID17060306CL004_05	Lapwai Creek - Sweetwater Creek to mouth
ID17060306CL005_02	Sweetwater Creek - Webb Creek to mouth
ID17060306CL005_04	Sweetwater Creek - Webb Creek to mouth
ID17060306CL006_02	Sweetwater Creek - source to Webb Creek
ID17060306CL006_03	Sweetwater Creek - source to Webb Creek
ID17060306CL006_04	Sweetwater Creek - source to Webb Creek
ID17060306CL007_02	Webb Creek – Source to mouth

Nez Perce Tribe

Assessment Unit	Water Body Name
ID17060306CL008_02	Lapwai Creek - Winchester Lake to Sweetwater Creek
ID17060306CL008_03	Lapwai Creek - Winchester Lake to Sweetwater Creek
ID17060306CL008_04	Lapwai Creek - Winchester Lake to Sweetwater Creek
ID17060306CL009_03	Lapwai Lake
ID17060306CL010_02	Lapwai Creek - source to Winchester Lake
ID17060306CL010_03	Lapwai Creek - source to Winchester Lake
ID17060306CL011_02	Mission Creek - source to mouth
ID17060306CL011_03	Mission Creek - source to mouth
ID17060306CL012_02	Tom Beall Creek - source to mouth
ID17060306CL012_03	Tom Beall Creek - source to mouth
ID17060306CL013_02	Clearwater River - North Fork Clearwater River to mouth
ID17060306CL013_03	Clearwater River - North Fork Clearwater River to mouth
ID17060306CL013_07	Clearwater River - North Fork Clearwater River to mouth
ID17060306CL014_02	Cottonwood Creek - source to mouth
ID17060306CL014_03	Cottonwood Creek - source to mouth
ID17060306CL015_02	Jacks Creek - source to mouth
ID17060306CL016_02	Big Canyon Creek - source to mouth
ID17060306CL016_03	Big Canyon Creek - source to mouth
ID17060306CL016_04	Big Canyon Creek - source to mouth
ID17060306CL017_02	Cold Springs Creek - source to mouth
ID17060306CL017_03	Cold Springs Creek - source to mouth
ID17060306CL018_02	Little Canyon Creek - confluence of Holes and Long Hollow Creek
ID17060306CL018_04	Little Canyon Creek - confluence of Holes and Long Hollow Creek
ID17060306CL019_02	Holes Creek - source to mouth
ID17060306CL019_03	Holes Creek - source to mouth
ID17060306CL020_02	Long Hollow Creek - source to mouth
ID17060306CL020_03	Long Hollow Creek - source to mouth
ID17060306CL021_02	Clearwater River - Lolo Creek to North Fork Clearwater River
ID17060306CL021_06	Clearwater River - Lolo Creek to North Fork Clearwater River
ID17060306CL022_02	Clearwater River - confluence of South and Middle Fork Clear
ID17060306CL022_03	Clearwater River - confluence of South and Middle Fork Clear
ID17060306CL022_06	Clearwater River - confluence of South and Middle Fork Clear
ID17060306CL023_02	Sixmile Creek - source to mouth
ID17060306CL023_03	Sixmile Creek - source to mouth
ID17060306CL024_02	Lawyer Creek - source to mouth
ID17060306CL024_03	Lawyer Creek - source to mouth
ID17060306CL024_04	Lawyer Creek - source to mouth
ID17060306CL025_02	Sevenmile Creek - source to mouth

Nez Perce Tribe

Assessment Unit	Water Body Name
ID17060306CL025_03	Sevenmile Creek - source to mouth
ID17060306CL026_02	Lolo Creek - Yakus Creek to mouth
ID17060306CL026_04	Lolo Creek - Yakus Creek to mouth
ID17060306CL033_02	Big Creek - source to mouth
ID17060306CL034_02	Jim Ford Creek - Jim Ford Creek waterfall (12.5 miles upstream)
ID17060306CL034_04	Jim Ford Creek - waterfall (12.5 miles upstream) to mouth
ID17060306CL039_02	Shanghai Creek - and tributaries
ID17060306CL039_04	Orofino Creek - source to mouth
ID17060306CL040_02	Whiskey Creek - source to mouth
ID17060306CL040_03	Whiskey Creek - source to mouth
ID17060306CL041_02	Bedrock Creek - source to mouth
ID17060306CL041_03	Bedrock Creek - source to mouth
ID17060306CL042_02	Louse Creek - source to mouth
ID17060306CL043_02	Pine Creek - source to mouth
ID17060306CL043_03	Pine Creek - source to mouth
ID17060306CL044_02	Potlatch River - Big Bear Creek to mouth
ID17060306CL044_06	Potlatch River - 6th Order
ID17060306CL064_03	Little Potlatch Creek - source to mouth
ID17060306CL065_02	Howard Gulch - source to mouth
ID17060306CL066_02	Catholic Creek - source to mouth
ID17060306CL067_02	Hatwai Creek - source to mouth
ID17060308CL001_06	North Fork Clearwater River - 6th Order
ID17060308CL002_02	Dworshak Reservoir tributaries
ID17060308CL002_06L	Dworshak Reservoir

Appendix C. List of assessment units evaluated to have zero flow.

Assessment Unit	Stream Name	Assessment Unit Description
ID16010102BR003_02		Thomas Fork - Idaho/Wyoming border to mouth
ID16010201BR011_02		Mill Creek - source to mouth
ID16010201BR011_02	Dry Fork	Mill Creek - source to mouth
ID16010201BR011_02	Mill Creek	Mill Creek - source to mouth
ID16010201BR013_02		Paris Creek - source to mouth
ID16010201BR013_02	Paris Creek	Paris Creek - source to mouth
ID16020309BR001_02		Deep Creek - Rock Creek to Idaho/Utah border
ID16020309BR002_02		Deep Creek - source to Rock Creek
ID16020309BR002_02	Deep Creek	Deep Creek - source to Rock Creek
ID17010104PN022_02		Deep Creek - McArthur Lake to Trail Creek
ID17010104PN027_02		Brown Creek - source to mouth
ID17010104PN027_02	Brown Creek	Brown Creek - source to mouth
ID17010104PN029_02		Kootenai River - Moyie River to Deep Creek
ID17010104PN029_02	Fry Creek	Kootenai River - Moyie River to Deep Creek
ID17010214PN001_02		Pend Oreille River - Priest River to Albeni Falls Dam
ID17010214PN001_02	Strong Creek	Pend Oreille River - Priest River to Albeni Falls Dam
ID17010214PN007_03	Spirit Creek	Spirit Creek - source to mouth
ID17010214PN013_02		Cocolalla Lake
ID17010214PN013_02	Bridgeview Creek	Cocolalla Lake
ID17010214PN013_02	Cocolalla Creek	Cocolalla Lake
ID17010214PN013_02	Hickman Creek	Cocolalla Lake
ID17010214PN013_02	Westmond Creek	Cocolalla Lake
ID17010214PN016_02		Fry Creek - source to mouth
ID17010214PN016_02	Fry Creek	Fry Creek - source to mouth
ID17010215PN001_02		Lower Priest River - Upper West Branch Priest River to mouth
ID17010215PN001_02	Alder Creek	Lower Priest River - Upper West Branch Priest River to mouth
ID17010215PN001_02	Benton Creek	Lower Priest River - Upper West Branch Priest River to mouth
ID17010215PN001_02	Blue Creek	Lower Priest River - Upper West Branch Priest River to mouth
ID17010215PN001_02	Cottonwood Creek	Lower Priest River - Upper West Branch Priest River to mouth
ID17010215PN001_02	Crazy Creek	Lower Priest River - Upper West Branch Priest River to mouth
ID17010215PN001_02	Dubius Creek	Lower Priest River - Upper West Branch Priest River to mouth

Assessment Unit	Stream Name	Assessment Unit Description
ID17010215PN001_02	Fox Creek	Lower Priest River - Upper West Branch Priest River to mouth
ID17010215PN001_02	Little Pine Creek	Lower Priest River - Upper West Branch Priest River to mouth
ID17010215PN001_02	Murray Creek	Lower Priest River - Upper West Branch Priest River to mouth
ID17010215PN001_02	Prater Creek	Lower Priest River - Upper West Branch Priest River to mouth
ID17010215PN001_02	Ranger Creek	Lower Priest River - Upper West Branch Priest River to mouth
ID17010215PN001_02	Saddler Creek	Lower Priest River - Upper West Branch Priest River to mouth
ID17010215PN001_02	Sanborn Creek	Lower Priest River - Upper West Branch Priest River to mouth
ID17010215PN020_02		Beaver Creek - source to mouth
ID17010215PN020_02	Beaver Creek	Beaver Creek - source to mouth
ID17010215PN024_02		Kalispell Creek - Idaho/Washington border to mouth
ID17010215PN024_02	Bath Creek	Kalispell Creek - Idaho/Washington border to mouth
ID17010215PN024_02	Chute Creek	Kalispell Creek - Idaho/Washington border to mouth
ID17010215PN024_02	Deerhorn Creek	Kalispell Creek - Idaho/Washington border to mouth
ID17010215PN024_02	Hazard Creek	Kalispell Creek - Idaho/Washington border to mouth
ID17010215PN024_02	Hungry Creek	Kalispell Creek - Idaho/Washington border to mouth
ID17010215PN024_02	Kalispell Creek	Kalispell Creek - Idaho/Washington border to mouth
ID17010215PN024_02	Mush Creek	Kalispell Creek - Idaho/Washington border to mouth
ID17010215PN024_02	Nuisance Creek	Kalispell Creek - Idaho/Washington border to mouth
ID17010215PN024_02	Pable Creek	Kalispell Creek - Idaho/Washington border to mouth
ID17010215PN024_02	Rapids Creek	Kalispell Creek - Idaho/Washington border to mouth
ID17010215PN024_02	Virgin Creek	Kalispell Creek - Idaho/Washington border to mouth
ID17010303PN001_02f	Delcardo Creek	Coeur d'Alene Lake
ID17010303PN001_02f	Lyle Creek	Coeur d'Alene Lake
ID17010303PN001_02f	Scott Creek	Coeur d'Alene Lake
ID17010303PN001_02f	Stinson Creek	Coeur d'Alene Lake
ID17010303PN014_02		Bull Run Lake
ID17010303PN014_02	Blackrock Gulch	Bull Run Lake
ID17010303PN014_02	Bull Run Creek	Bull Run Lake
ID17010303PN016_02		Coeur d'Alene River - South Fork Coeur d'Alene River to Latour Creek
ID17010303PN017_02		Skeel and Cataldo Creeks - source to mouth
ID17010303PN017_02	Cataldo Gulch	Skeel and Cataldo Creeks - source to mouth
ID17010303PN017_02	Skeel Gulch	Skeel and Cataldo Creeks - source to mouth
ID17010304PN068_02		Street Creek - source to mouth

Assessment Unit	Stream Name	Assessment Unit Description
ID17010304PN068_02	Street Creek	Street Creek - source to mouth
ID17010305PN003_02	Skalan Creek	Spokane River - Post Falls Dam to Idaho/Washington border
ID17010305PN004_02		Spokane River - Coeur d'Alene Lake to Post Falls Dam
ID17010305PN005_02		Hayden Lake
ID17010305PN005_02	Colburn Creek	Hayden Lake
ID17010305PN005_02	Harrison Creek	Hayden Lake
ID17010305PN005_02	Hayden Creek	Hayden Lake
ID17010305PN005_02	Hayden Lake	Hayden Lake
ID17010305PN006_02	Yellowbanks Creek	Yellowbanks Creek - source to mouth
ID17010305PN006_02	Yellowbanks Creek	Yellowbanks Creek - source to mouth
ID17010305PN007_02	Jim Creek	Jim Creek - source to mouth
ID17010305PN013_02		Twin Lakes
ID17010305PN016_02		Hauser Lake
ID17010305PN016_02	Shaw Creek	Hauser Lake
ID17040104SK027_02		Palisades Creek - source to mouth
ID17040104SK027_02	Butler Canyon Creek	Palisades Creek - source to mouth
ID17040104SK027_02	Canary Canyon Creek	Palisades Creek - source to mouth
ID17040104SK027_02	Cromwell Canyon Creek	Palisades Creek - source to mouth
ID17040104SK027_02	Dry Creek	Palisades Creek - source to mouth
ID17040104SK027_02	East Fork Palisades Creek	Palisades Creek - source to mouth
ID17040104SK027_02	Lost Spring Creek	Palisades Creek - source to mouth
ID17040104SK027_02	North Fork Palisades Creek	Palisades Creek - source to mouth
ID17040104SK027_02	Waterfall Creek	Palisades Creek - source to mouth
ID17040201SK001_05	Crow Creek	Snake River - Dry Bed Creek to river mile 791 (T01N, R37E, Sec. 10)
ID17040201SK001_05	South Fork Willow Creek	Snake River - Dry Bed Creek to river mile 791 (T01N, R37E, Sec. 10)
ID17040202SK011_02		Robinson Creek - Idaho/Wyoming border and sources west of border to Rock Creek
ID17040202SK011_02	Bear Creek	Robinson Creek - Idaho/Wyoming border and sources west of border to Rock Creek
ID17040202SK011_02	Dry Robinson Creek	Robinson Creek - Idaho/Wyoming border and sources west of border to Rock Creek
ID17040202SK011_02	Little Robinson Creek	Robinson Creek - Idaho/Wyoming border and sources west of border to Rock Creek
ID17040202SK011_02	Robinson Creek	Robinson Creek - Idaho/Wyoming border and sources west of border to Rock Creek

Assessment Unit	Stream Name	Assessment Unit Description
ID17040203SK009_02		Falls River - Idaho/Wyoming border to Boone Creek
ID17040203SK009_02	Marysville Canal	Falls River - Idaho/Wyoming border to Boone Creek
ID17040204SK001_03		South Fork Teton River - Teton River Forks to Henrys Fork
ID17040204SK005_02		Moody Creek - confluence of North and South Fork Moody Creeks to canal
ID17040205SK002_02		Ririe Reservoir (Willow Creek)
ID17040205SK002_02	Deer Creek	Ririe Reservoir (Willow Creek)
ID17040205SK002_02	Ririe Reservoir	Ririe Reservoir (Willow Creek)
ID17040205SK002_02	Willow Creek	Ririe Reservoir (Willow Creek)
ID17040205SK022_02		Little Valley Creek - source to mouth
ID17040205SK022_02	Little Valley Creek	Little Valley Creek - source to mouth
ID17040205SK022_02	Little Valley Reservoir	Little Valley Creek - source to mouth
ID17040206SK000_02		Unclassified waters in CU ^a 17040206
ID17040206SK000_03		Unclassified waters in CU 17040206
ID17040206SK011_02		Clifton Creek - source to mouth
ID17040206SK011_02	Clifton Creek	Clifton Creek - source to mouth
ID17040206SK025_02		Little Hole Draw - source to American Falls Reservoir
ID17040206SK026_02		Pleasant Valley - source to American Falls Reservoir
ID17040208SK001_02b		Portneuf River - Marsh Creek to American Falls Reservoir
ID17040208SK001_02b	Trail Creek	Portneuf River - Marsh Creek to American Falls Reservoir
ID17040209SK000_02		Unclassified waters in CU 17040209
ID17040209SK000_02	A-4 Canal	Unclassified waters in CU 17040209
ID17040209SK000_02	B-1 Canal	Unclassified waters in CU 17040209
ID17040209SK000_02	D-Seventeen Drain	Unclassified waters in CU 17040209
ID17040209SK000_02	F Main Drain	Unclassified waters in CU 17040209
ID17040209SK000_02	Goose Creek	Unclassified waters in CU 17040209
ID17040209SK000_02	J Main Drain	Unclassified waters in CU 17040209
ID17040209SK000_02	Main North Side Canal	Unclassified waters in CU 17040209
ID17040209SK003_02A		Marsh Creek - source to mouth
ID17040210SK001_02		Raft River - Heglar Canyon Creek to mouth
ID17040210SK001_02	Calder Creek	Raft River - Heglar Canyon Creek to mouth
ID17040210SK001_03	Calder Creek	Raft River - Heglar Canyon Creek to mouth
ID17040210SK002_03		Raft River - Cassia Creek to Heglar Canyon Creek
ID17040210SK002_03	Shirley Creek	Raft River - Cassia Creek to Heglar Canyon Creek
ID17040210SK002_03	Warm Creek	Raft River - Cassia Creek to Heglar Canyon Creek
ID17040210SK005_02		Cassia Creek - Clyde Creek to Conner Creek

Assessment Unit	Stream Name	Assessment Unit Description
ID17040210SK005_02	Quaking Asp Creek	Cassia Creek - Clyde Creek to Conner Creek
ID17040210SK010_02		Raft River - Unnamed tributary (T15S, R26E, Sec. 24) to Cottonwood Creek
ID17040210SK010_02	George Creek	Raft River - Unnamed tributary (T15S, R26E, Sec. 24) to Cottonwood Creek
ID17040210SK010_02	Onemile Creek	Raft River - Unnamed tributary (T15S, R26E, Sec. 24) to Cottonwood Creek
ID17040210SK013_03		Raft River - Idaho/Utah border to Edwards Creek
ID17040210SK013_03	Circle Creek	Raft River - Idaho/Utah border to Edwards Creek
ID17040210SK013_03	Johnson Creek	Raft River - Idaho/Utah border to Edwards Creek
ID17040210SK013_03	North Creek	Raft River - Idaho/Utah border to Edwards Creek
ID17040210SK016_02		Clear Creek - Idaho/Utah border to mouth
ID17040210SK016_02	Holt Creek	Clear Creek - Idaho/Utah border to mouth
ID17040210SK016_02	Rice Creek	Clear Creek - Idaho/Utah border to mouth
ID17040210SK016_02	Round Mountain Creek	Clear Creek - Idaho/Utah border to mouth
ID17040210SK018_02		Meadow Creek - source to mouth
ID17040210SK018_02	Meadow Creek	Meadow Creek - source to mouth
ID17040210SK018_02	Pine Creek	Meadow Creek - source to mouth
ID17040210SK018_02	South Fork Sublett Creek	Meadow Creek - source to mouth
ID17040210SK021_02		Sublett Creek - source to Sublett Reservoir
ID17040210SK021_02	North Fork Sublett Creek	Sublett Creek - source to Sublett Reservoir
ID17040210SK021_02	South Fork Sublett Creek	Sublett Creek - source to Sublett Reservoir
ID17040210SK023_02		Heglar Canyon Creek - source to mouth
ID17040210SK023_02	Indian Fork	Heglar Canyon Creek - source to mouth
ID17040210SK023_03		Heglar Canyon Creek - source to mouth
ID17040210SK023_04		Heglar Canyon Creek - source to mouth
ID17040211SK000_02		Unclassified waters in CU 17040211
ID17040211SK000_02	Goose Creek	Unclassified waters in CU 17040211
ID17040211SK000_02	Jay Creek	Unclassified waters in CU 17040211
ID17040211SK000_02	Sawmill Creek	Unclassified waters in CU 17040211
ID17040211SK000_02	Summit Creek	Unclassified waters in CU 17040211
ID17040211SK000_03		Unclassified waters in CU 17040211
ID17040211SK000_03	Summit Creek	Unclassified waters in CU 17040211
ID17040211SK002_02		Lower Goose Creek
ID17040211SK002_02	Lone Cedar Creek	Lower Goose Creek
ID17040211SK014_03		Land/Willow/Smith Creek complex
ID17040211SK014_03	Big Rocky Creek	Land/Willow/Smith Creek complex

Assessment Unit	Stream Name	Assessment Unit Description
ID17040211SK014_03	Land Creek	Land/Willow/Smith Creek complex
ID17040211SK014_03	Smith Creek	Land/Willow/Smith Creek complex
ID17040212SK000_03		Unclassified waters in CU 17040212
ID17040212SK000_03	Deep Creek	Unclassified waters in CU 17040212
ID17040212SK000_03	Deep Creek Reservoir	Unclassified waters in CU 17040212
ID17040212SK000_03	North Fork Deep Creek	Unclassified waters in CU 17040212
ID17040212SK004_02		Tuana Gulch - source to mouth
ID17040212SK009_02	Deep Creek	Deep Creek - source to High Line Canal
ID17040212SK041_03		Dry Creek - source to mouth
ID17040212SK041_03	Dry Creek	Dry Creek - source to mouth
ID17040213SK002_02		Devil Creek - source to mouth
ID17040213SK002_02	Camas Slough	Devil Creek - source to mouth
ID17040213SK002_02	Cedar Mesa Canal	Devil Creek - source to mouth
ID17040213SK002_02	Devil Creek	Devil Creek - source to mouth
ID17040213SK002_02	East Fork Devil Creek	Devil Creek - source to mouth
ID17040213SK002_02	Middle Fork Devil Creek	Devil Creek - source to mouth
ID17040213SK002_02	West Fork Devil Creek	Devil Creek - source to mouth
ID17040213SK002_02	Worley Ditch	Devil Creek - source to mouth
ID17040213SK003_02		Salmon Falls Creek - Salmon Falls Creek Dam to Devil Creek
ID17040214SK005_03	Dry Creek	Dry Creek - source to mouth
ID17040214SK014_02		Beaver Creek - Dry Creek to canal (T09N, R36E)
ID17040214SK019_03	Miners Creek	Miners Creek - source to mouth
ID17040215SK002_02		Medicine Lodge Creek - Indian Creek to playas
ID17040215SK022_02		Chandler Canyon complex
ID17040215SK022_03		Chandler Canyon complex
ID17040216SK001_02		Birch Creek - Reno Ditch to playas
ID17040216SK001_02	Middle Fork Kyle Canyon	Birch Creek - Reno Ditch to playas
ID17040216SK001_02	South Fork Kyle Canyon	Birch Creek - Reno Ditch to playas
ID17040216SK004_03		Unnamed tributary - source to mouth; includes Timber Canyon to Worthing Canyon Creeks (T11N, R11W, Sec. 35)
ID17040216SK007_03	Birch Creek	Mud Creek - Willow Creek to Scott Canyon Creek
ID17040216SK011_02		Mud Creek - source to unnamed tributary (T12N, R11W, Sec. 29)

Assessment Unit	Stream Name	Assessment Unit Description
ID17040216SK011_02	Carlin Creek	Mud Creek - source to unnamed tributary (T12N, R11W, Sec. 29)
ID17040216SK011_02	Cottonwood Creek	Mud Creek - source to unnamed tributary (T12N, R11W, Sec. 29)
ID17040216SK011_02	Middle Creek	Mud Creek - source to unnamed tributary (T12N, R11W, Sec. 29)
ID17040216SK011_02	Mud Creek	Mud Creek - source to unnamed tributary (T12N, R11W, Sec. 29)
ID17040216SK011_02	Shears Creek	Mud Creek - source to unnamed tributary (T12N, R11W, Sec. 29)
ID17040216SK011_03		Mud Creek - source to unnamed tributary (T12N, R11W, Sec. 29)
ID17040216SK011_03	Mud Creek	Mud Creek - source to unnamed tributary (T12N, R11W, Sec. 29)
ID17040216SK012_03		Unnamed tributary - source to mouth (T12N, R11W, Sec. 29)
ID17040216SK013_02		Meadow Canyon Creek - source to mouth
ID17040217SK004_03		North Creek - source to mouth
ID17040217SK010_02		Little Lost River - confluence of Summit and Sawmill Creeks to Wet Creek
ID17040217SK010_02	Cedar Run Creek	Little Lost River - confluence of Summit and Sawmill Creeks to Wet Creek
ID17040217SK020_02		Dry Creek - Dry Creek Canal to mouth
ID17040217SK020_02	Dry Creek	Dry Creek - Dry Creek Canal to mouth
ID17040217SK028_03		Hurst Creek - source to mouth
ID17040217SK028_03	Hurst Creek	Hurst Creek - source to mouth
ID17040218SK002_02		Big Lost River - Spring Creek to Big Lost River Sinks (playas)
ID17040218SK002_02	Arco Canal	Big Lost River - Spring Creek to Big Lost River Sinks (playas)
ID17040218SK002_02	Ferris Slough	Big Lost River - Spring Creek to Big Lost River Sinks (playas)
ID17040218SK002_03		Big Lost River - Spring Creek to Big Lost River Sinks (playas)
ID17040218SK002_04		Big Lost River - Spring Creek to Big Lost River Sinks (playas)
ID17040218SK006_02		Lower Pass Creek - source to mouth
ID17040218SK006_02	Lower Pass Creek	Lower Pass Creek - source to mouth
ID17040218SK011_02		Big Lost River - McKay Reservoir Dam to Beck and Evan Ditch
ID17040218SK011_02	Burnett Ditch	Big Lost River - McKay Reservoir Dam to Beck and Evan Ditch
ID17040218SK011_02	Hanson Ditch	Big Lost River - McKay Reservoir Dam to Beck and Evan Ditch

Assessment Unit	Stream Name	Assessment Unit Description
ID17040218SK011_02	Lower Cedar Creek	Big Lost River - McKay Reservoir Dam to Beck and Evan Ditch
ID17040218SK011_02	Swauger Ditch	Big Lost River - McKay Reservoir Dam to Beck and Evan Ditch
ID17040218SK012_02		McKay Reservoir
ID17040218SK012_02	Upper Cedar Creek	McKay Reservoir
ID17040218SK017_02	Lone Cedar Creek	Lone Cedar Creek - source to mouth
ID17040218SK021_02		Arentson Gulch and unnamed tributaries - source to mouth (T10N, R22E)
ID17040218SK021_02	Thousand Springs Creek	Arentson Gulch and unnamed tributaries - source to mouth (T10N, R22E)
ID17040218SK022_03	Sage Creek	Sage Creek - source to mouth
ID17040218SK048_02		Spring Creek - source to mouth
ID17040218SK059_05		Dry Fork Creek - source to mouth
ID17040218SK059_05	South Fork Antelope Creek	Dry Fork Creek - source to mouth
ID17040218SK061_03		Hammond Spring Creek complex
ID17040218SK061_03	Blaine Canal	Hammond Spring Creek complex
ID17040218SK061_03	Hammond Spring Creek	Hammond Spring Creek complex
ID17040219SK000_02		Unclassified waters in CU 17040219
ID17040219SK000_02	Portuguese Creek	Unclassified waters in CU 17040219
ID17040219SK000_02	Preacher Creek	Unclassified waters in CU 17040219
ID17040219SK000_02	Turkey Creek	Unclassified waters in CU 17040219
ID17040219SK000_03		Unclassified waters in CU 17040219
ID17040219SK000_03	Preacher Creek	Unclassified waters in CU 17040219
ID17040219SK002_02		Big Wood River - Magic Reservoir Dam to mouth
ID17040219SK002_02	Lateral X-4	Big Wood River - Magic Reservoir Dam to mouth
ID17040219SK003_02		Magic Reservoir
ID17040219SK003_02	Lava Creek	Magic Reservoir
ID17040219SK004_02		Big Wood River - Seamans Creek to Magic Reservoir
ID17040219SK004_02	Big Wood River	Big Wood River - Seamans Creek to Magic Reservoir
ID17040219SK004_02	Black Slough	Big Wood River - Seamans Creek to Magic Reservoir
ID17040219SK004_02	Brock Creek	Big Wood River - Seamans Creek to Magic Reservoir
ID17040219SK004_02	Cove Creek	Big Wood River - Seamans Creek to Magic Reservoir
ID17040219SK004_02	Crystal Creek	Big Wood River - Seamans Creek to Magic Reservoir
ID17040219SK004_02	North Fork Chukar Creek	Big Wood River - Seamans Creek to Magic Reservoir
ID17040219SK004_02	Reed Creek	Big Wood River - Seamans Creek to Magic Reservoir
ID17040219SK004_02	Spring Creek	Big Wood River - Seamans Creek to Magic Reservoir
ID17040219SK004_02	Willow Creek	Big Wood River - Seamans Creek to Magic Reservoir

Assessment Unit	Stream Name	Assessment Unit Description
ID17040219SK004_03		Big Wood River - Seamans Creek to Magic Reservoir
ID17040219SK004_03	Seamans Creek	Big Wood River - Seamans Creek to Magic Reservoir
ID17040219SK004_03	Willow Creek	Big Wood River - Seamans Creek to Magic Reservoir
ID17040219SK029_03	Thorn Creek	Thorn Creek - source to mouth
ID17040219SK030_04	Black Canyon Creek	Black Canyon Creek - source to mouth
ID17040219SK030_04	Dry Creek	Black Canyon Creek - source to mouth
ID17040220SK001_02		Camas Creek - Elk Creek to Magic Reservoir
ID17040220SK001_02	Fricke Creek	Camas Creek - Elk Creek to Magic Reservoir
ID17040220SK001_02	Minnehaha Creek	Camas Creek - Elk Creek to Magic Reservoir
ID17040220SK001_02	Northside Slough	Camas Creek - Elk Creek to Magic Reservoir
ID17040220SK001_02	Poison Creek	Camas Creek - Elk Creek to Magic Reservoir
ID17040220SK001_02	Spring Creek	Camas Creek - Elk Creek to Magic Reservoir
ID17040220SK007_02		Camas Creek - Solider Creek to Elk Creek
ID17040220SK007_02	Knowlton Creek	Camas Creek - Solider Creek to Elk Creek
ID17040220SK008_02		Deer Creek - Big Deer Creek to mouth
ID17040220SK008_02	Daugherty Creek	Deer Creek - Big Deer Creek to mouth
ID17040220SK008_03	Daugherty Creek	Deer Creek - Big Deer Creek to mouth
ID17040220SK008_03	Deer Creek	Deer Creek - Big Deer Creek to mouth
ID17040220SK009_02	Big Deer Creek	Deer Creek - source to and including Big Deer Creek
ID17040220SK009_02	Chicken Creek	Deer Creek - source to and including Big Deer Creek
ID17040220SK009_02	Deer Creek	Deer Creek - source to and including Big Deer Creek
ID17040220SK009_02	Little Deer Creek	Deer Creek - source to and including Big Deer Creek
ID17040220SK010_02	Powell Creek	Powell Creek - source to mouth
ID17040220SK013_02		Camas Creek - Corral Creek to Soldier Creek
ID17040220SK013_02	East Fork Threemile Creek	Camas Creek - Corral Creek to Soldier Creek
ID17040220SK013_02	Lansing Creek	Camas Creek - Corral Creek to Soldier Creek
ID17040220SK013_03		Camas Creek - Corral Creek to Soldier Creek
ID17040220SK013_03	East Fork Threemile Creek	Camas Creek - Corral Creek to Soldier Creek
ID17040220SK014_02	McMahan Creek	Threemile Creek - source to mouth
ID17040220SK014_02	Threemile Creek	Threemile Creek - source to mouth
ID17040220SK014_02	West Fork Threemile Creek	Threemile Creek - source to mouth
ID17040220SK019_04		Chimney Creek - source to mouth
ID17040220SK019_04	Chimney Creek	Chimney Creek - source to mouth
ID17040221SK000_02		Unclassified waters in CU 17040221
ID17040221SK000_02	Cottonwood Slough	Unclassified waters in CU 17040221
ID17040221SK000_02	East Main Canal	Unclassified waters in CU 17040221
ID17040221SK000_02	Jim Byrns Slough	Unclassified waters in CU 17040221

Assessment Unit	Stream Name	Assessment Unit Description
ID17040221SK000_02	West Main Canal	Unclassified waters in CU 17040221
ID17050101SW001_03	Dry Creek	Snake River - Browns Creek to C.J. Strike Dam
ID17050101SW007_02		Pot Hole Creek - source to mouth
ID17050101SW007_02	Pot Hole Creek	Pot Hole Creek - source to mouth
ID17050101SW007_02	Pot Hole Reservoir	Pot Hole Creek - source to mouth
ID17050101SW009_02		Rosevear Gulch - source to mouth
ID17050101SW009_03		Rosevear Gulch - source to mouth
ID17050101SW020_02		Mountain Home Reservoir
ID17050101SW020_02	Rattlesnake Creek	Mountain Home Reservoir
ID17050101SW021_02		Canyon Creek - Fraiser Reservoir Dam to mouth
ID17050101SW021_05		Canyon Creek - Fraiser Reservoir Dam to mouth
ID17050101SW021_05	Canyon Creek	Canyon Creek - Fraiser Reservoir Dam to mouth
ID17050101SW023_02		Canyon Creek - confluence of Syrup and Long Tom Creeks to Fraiser Reservoir
ID17050101SW026_02		Squaw Creek - source to mouth
ID17050101SW026_02	Ditto Creek	Squaw Creek - source to mouth
ID17050101SW026_02	Dry Creek	Squaw Creek - source to mouth
ID17050101SW026_02	Mud Springs Creek	Squaw Creek - source to mouth
ID17050101SW026_04		Squaw Creek - source to mouth
ID17050101SW026_04	Squaw Creek	Squaw Creek - source to mouth
ID17050102SW002_02		Jacks Creek - confluence of Little and Big Jacks Creeks to C.J. Strike Reservoir
ID17050102SW002_03		Jacks Creek - confluence of Little and Big Jacks Creeks to C.J. Strike Reservoir
ID17050102SW003_02		Little Jacks Creek - source to mouth
ID17050102SW003_02	Little Jacks Creek	Little Jacks Creek - source to mouth
ID17050102SW003_02	O X Prong	Little Jacks Creek - source to mouth
ID17050102SW003_02	Rattlesnake Creek	Little Jacks Creek - source to mouth
ID17050102SW003_03		Little Jacks Creek - source to mouth
ID17050102SW003_03	Little Jacks Creek	Little Jacks Creek - source to mouth
ID17050102SW003_03	O X Prong	Little Jacks Creek - source to mouth
ID17050102SW004_02		Big Jacks Creek -source to mouth
ID17050102SW004_02	Big Jacks Creek	Big Jacks Creek -source to mouth
ID17050102SW004_02	Willies Creek	Big Jacks Creek -source to mouth
ID17050102SW008_02		Sugar Valley Creek - source to mouth
ID17050102SW008_02	Sugar Creek	Sugar Valley Creek - source to mouth
ID17050102SW008_03		Sugar Valley Creek - source to mouth
ID17050102SW008_03	Sugar Creek	Sugar Valley Creek - source to mouth
ID17050102SW009_02		Bruneau River - Hot Creek to C.J. Strike Reservoir
ID17050102SW009_02	Beeroth Canal	Bruneau River - Hot Creek to C.J. Strike Reservoir

Assessment Unit	Stream Name	Assessment Unit Description
ID17050102SW009_02	Hot Spring Canal	Bruneau River - Hot Creek to C.J. Strike Reservoir
ID17050102SW011_03		Bruneau River - Clover Creek (East Fork Bruneau River) to Hot Creek
ID17050102SW014_02		Sheep Creek - Idaho/Nevada border to mouth
ID17050102SW014_02	Brush Creek	Sheep Creek - Idaho/Nevada border to mouth
ID17050102SW020_03		Bruneau River - Idaho/Nevada border to Jarbidge River
ID17050102SW020_03	Deep Creek	Bruneau River - Idaho/Nevada border to Jarbidge River
ID17050102SW026_02		Unnamed tributary - source to mouth (T11S, R07E, Sec. 27)
ID17050102SW026_03		Unnamed tributary - source to mouth (T11S, R07E, Sec. 27)
ID17050102SW028_02		Clover Creek (East Fork Bruneau River) - confluence of Big Flat, Three, and Deadwood Creeks to mouth
ID17050102SW028_03		Clover Creek (East Fork Bruneau River) - confluence of Big Flat, Three, and Deadwood Creeks to mouth
ID17050102SW035_02		Buck Flat Draw - source to mouth
ID17050103SW010_02		West Rabbit Creek - source to mouth
ID17050103SW010_02	Rabbit Creek	West Rabbit Creek - source to mouth
ID17050103SW010_03		West Rabbit Creek - source to mouth
ID17050103SW010_03	Rabbit Creek	West Rabbit Creek - source to mouth
ID17050103SW012_02		Sinker Creek - source to mouth
ID17050103SW012_02	Diamond Creek	Sinker Creek - source to mouth
ID17050103SW012_02	North Fork Sinker Creek	Sinker Creek - source to mouth
ID17050103SW012_02	South Fork Diamond Creek	Sinker Creek - source to mouth
ID17050103SW012_02	Tiddie Creek	Sinker Creek - source to mouth
ID17050103SW013_02		Fossil Creek - source to mouth
ID17050103SW013_02	Fossil Creek	Fossil Creek - source to mouth
ID17050103SW013_03	Fossil Creek	Fossil Creek - source to mouth
ID17050103SW015_05	Catherine Creek	Catherine Creek - confluence of Hart and Picket Creeks to mouth
ID17050103SW017_02		Bates Creek - source to mouth
ID17050103SW017_02	Bates Creek	Bates Creek - source to mouth
ID17050103SW018_02		Hart Creek - source to mouth
ID17050103SW018_02	Hart Creek	Hart Creek - source to mouth
ID17050103SW018_02	Little Hart Creek	Hart Creek - source to mouth
ID17050103SW018_03		Hart Creek - source to mouth
ID17050103SW018_03	Hart Creek	Hart Creek - source to mouth
ID17050103SW022_02		McKeeth Wash - source to mouth
ID17050103SW022_02	McKeeth Wash	McKeeth Wash - source to mouth

Assessment Unit	Stream Name	Assessment Unit Description
ID17050103SW022_03		McKeeth Wash - source to mouth
ID17050103SW022_03	McKeeth Wash	McKeeth Wash - source to mouth
ID17050103SW023_02		Vinson Wash - source to mouth
ID17050103SW023_02	Jensen Wash	Vinson Wash - source to mouth
ID17050103SW023_02	Poison Creek	Vinson Wash - source to mouth
ID17050103SW025_03	Corder Creek	Corder Creek - source to mouth
ID17050104SW003_04	Piute Creek	Piute Creek - source to mouth
ID17050104SW004_04	Juniper Creek	Juniper Creek - Juniper Basin Reservoir Dam to mouth
ID17050104SW005_02		Juniper Basin Reservoir
ID17050104SW005_02	Juniper Creek	Juniper Basin Reservoir
ID17050104SW006_02		Owyhee River - Idaho/Nevada border to Juniper Creek
ID17050104SW006_02	Billy Shaw Slough	Owyhee River - Idaho/Nevada border to Juniper Creek
ID17050104SW006_02	Ross Slough	Owyhee River - Idaho/Nevada border to Juniper Creek
ID17050104SW006_02	Thacker Slough	Owyhee River - Idaho/Nevada border to Juniper Creek
ID17050104SW007_05		Blue Creek - Blue Creek Reservoir Dam to mouth
ID17050104SW007_05	Blue Creek	Blue Creek - Blue Creek Reservoir Dam to mouth
ID17050104SW010_02		Payne Creek - source to mouth
ID17050104SW010_02	Payne Creek	Payne Creek - source to mouth
ID17050104SW010_02	Pig Creek	Payne Creek - source to mouth
ID17050104SW010_03	Payne Creek	Payne Creek - source to mouth
ID17050104SW010_03	Squaw Creek	Payne Creek - source to mouth
ID17050104SW011_02		Squaw Creek - source to mouth
ID17050104SW011_02	Indian Creek	Squaw Creek - source to mouth
ID17050104SW011_02	Moorcastle Creek	Squaw Creek - source to mouth
ID17050104SW011_02	Squaw Creek	Squaw Creek - source to mouth
ID17050104SW012_02		Little Blue Creek - source to mouth
ID17050104SW012_02	Little Blue Creek	Little Blue Creek - source to mouth
ID17050104SW012_02	Shoofly Creek	Little Blue Creek - source to mouth
ID17050104SW013_02		Blue Creek - source to Blue Creek Reservoir Dam
ID17050104SW013_02	Blue Creek	Blue Creek - source to Blue Creek Reservoir Dam
ID17050104SW022_03	Yatahoney Creek	Yatahoney Creek - source to mouth
ID17050104SW026_03		Deep Creek - source to mouth
ID17050104SW026_03	Anne Valley Creek	Deep Creek - source to mouth
ID17050104SW026_03	Current Creek	Deep Creek - source to mouth
ID17050104SW026_03	Hurry Back Creek	Deep Creek - source to mouth
ID17050104SW029_02		Camas Creek - source to mouth
ID17050104SW029_02	Camas Creek	Camas Creek - source to mouth
ID17050105SW002_02		Spring Creek - source to mouth
ID17050105SW002_02	Spring Creek	Spring Creek - source to mouth

Assessment Unit	Stream Name	Assessment Unit Description
ID17050105SW004_02		Homer Wells Reservoir
ID17050105SW005_03		Coyote Flat - source to mouth
ID17050106SW001_02		Little Owyhee River - Idaho/Nevada border to mouth
ID17050106SW001_02	Little Owyhee River	Little Owyhee River - Idaho/Nevada border to mouth
ID17050107SW001_02		Owyhee River - South Fork Owyhee River to Idaho/Oregon border
ID17050107SW001_02	Dukes Creek	Owyhee River - South Fork Owyhee River to Idaho/Oregon border
ID17050107SW007_02		Cottonwood Creek - source to mouth
ID17050107SW007_02	Cottonwood Creek	Cottonwood Creek - source to mouth
ID17050107SW013_02		Cherry Creek - source to Idaho/Oregon border
ID17050107SW013_02	Anderson Reservoir	Cherry Creek - source to Idaho/Oregon border
ID17050107SW013_02	Cherry Creek	Cherry Creek - source to Idaho/Oregon border
ID17050107SW013_02	Dougherty Creek	Cherry Creek - source to Idaho/Oregon border
ID17050107SW013_02	Garten Creek	Cherry Creek - source to Idaho/Oregon border
ID17050107SW013_02	Whitby Reservoir	Cherry Creek - source to Idaho/Oregon border
ID17050107SW013_02	Wilson Creek	Cherry Creek - source to Idaho/Oregon border
ID17050107SW014_02		Soldier Creek - source to Idaho/Oregon border
ID17050107SW014_02	Coyote Creek	Soldier Creek - source to Idaho/Oregon border
ID17050107SW014_02	Sheep Creek	Soldier Creek - source to Idaho/Oregon border
ID17050107SW014_02	Soldier Creek	Soldier Creek - source to Idaho/Oregon border
ID17050107SW014_02	Stove Creek	Soldier Creek - source to Idaho/Oregon border
ID17050107SW014_02	Toppin Creek	Soldier Creek - source to Idaho/Oregon border
ID17050108SW011_02		Rose Creek - source to mouth
ID17050108SW011_02	Rose Creek	Rose Creek - source to mouth
ID17050108SW016_02		Deer Creek - source to mouth
ID17050108SW016_02	Deer Creek	Deer Creek - source to mouth
ID17050112SW002_02		Arrowrock Reservoir (Boise River)
ID17050112SW002_02	Cinch Creek	Arrowrock Reservoir (Boise River)
ID17050112SW002_02	Cow Creek	Arrowrock Reservoir (Boise River)
ID17050112SW002_02	Deep Creek	Arrowrock Reservoir (Boise River)
ID17050112SW002_02	Dutch Creek	Arrowrock Reservoir (Boise River)
ID17050112SW002_02	Irish Creek	Arrowrock Reservoir (Boise River)
ID17050112SW002_02	Lambing Creek	Arrowrock Reservoir (Boise River)
ID17050112SW002_02	Nevins Creek	Arrowrock Reservoir (Boise River)
ID17050112SW002_02	Nibbler Creek	Arrowrock Reservoir (Boise River)
ID17050112SW002_02	Trail Creek	Arrowrock Reservoir (Boise River)
ID17050112SW002_02	Twin Creek	Arrowrock Reservoir (Boise River)
ID17050112SW002_02	Willow Creek	Arrowrock Reservoir (Boise River)

Assessment Unit	Stream Name	Assessment Unit Description
ID17050113SW002a_02		Willow Creek - Cottonwood Creek to Arrowrock Reservoir
ID17050113SW002a_02	Case Creek	Willow Creek - Cottonwood Creek to Arrowrock Reservoir
ID17050113SW002a_02	Cottonwood Creek	Willow Creek - Cottonwood Creek to Arrowrock Reservoir
ID17050113SW002a_02	Packsaddle Creek	Willow Creek - Cottonwood Creek to Arrowrock Reservoir
ID17050113SW002a_02	Porcupine Creek	Willow Creek - Cottonwood Creek to Arrowrock Reservoir
ID17050113SW002a_02	Salt Creek	Willow Creek - Cottonwood Creek to Arrowrock Reservoir
ID17050113SW002a_02	Willow Creek	Willow Creek - Cottonwood Creek to Arrowrock Reservoir
ID17050113SW002a_03	Willow Creek	Willow Creek - Cottonwood Creek to Arrowrock Reservoir
ID17050114SW013_02		Dry Creek - source to mouth
ID17050114SW013_02	Currant Creek	Dry Creek - source to mouth
ID17050114SW013_02	Custer Creek	Dry Creek - source to mouth
ID17050114SW013_02	Daniels Creek	Dry Creek - source to mouth
ID17050114SW013_02	Dry Creek	Dry Creek - source to mouth
ID17050114SW013_02	Goose Creek	Dry Creek - source to mouth
ID17050114SW013_02	McFarland Creek	Dry Creek - source to mouth
ID17050114SW013_02	North Fork Daniels Creek	Dry Creek - source to mouth
ID17050114SW013_02	Shingle Creek	Dry Creek - source to mouth
ID17050114SW013_02	South Fork Daniels Creek	Dry Creek - source to mouth
ID17050114SW013_02	Spring Valley Creek	Dry Creek - source to mouth
ID17050114SW014_02		Big/Little Gulch Creek complex
ID17050114SW014_02	Big Gulch Creek	Big/Little Gulch Creek complex
ID17050114SW014_02	Little Gulch Creek	Big/Little Gulch Creek complex
ID17050114SW016_02		Langley/Graveyard Gulch complex
ID17050114SW016_02	C-Line Canal West	Langley/Graveyard Gulch complex
ID17050122SW019_03	Indian Creek	Indian Creek - source to mouth
ID17050122SW021_03	Little Willow Creek	Little Willow Creek - source to Paddock Valley Reservoir
ID17050124SW010_02		Mill Creek - source to mouth
ID17050124SW010_02	Mill Creek	Mill Creek - source to mouth
ID17050124SW013_02	Bacon Creek	Bacon Creek - source to mouth
ID17050124SW026_02		Spring Creek - source to mouth
ID17050124SW026_02	Camp Creek	Spring Creek - source to mouth
ID17050124SW026_02	Spring Creek	Spring Creek - source to mouth

Assessment Unit	Stream Name	Assessment Unit Description
ID17050124SW029_03	Sage Creek	Sage Creek - source to mouth
ID17050201SW002_02		Snake River (Oxbow Reservoir) - Brownlee Dam to Oxbow Dam
ID17050201SW002_02	Cougar Creek	Snake River (Oxbow Reservoir) - Brownlee Dam to Oxbow Dam
ID17050201SW002_02	Jacobs Ladder Creek	Snake River (Oxbow Reservoir) - Brownlee Dam to Oxbow Dam
ID17050201SW002_02	Myra Tree Creek	Snake River (Oxbow Reservoir) - Brownlee Dam to Oxbow Dam
ID17050201SW002_02	Scorpion Creek	Snake River (Oxbow Reservoir) - Brownlee Dam to Oxbow Dam
ID17050201SW002_02	Summer Creek	Snake River (Oxbow Reservoir) - Brownlee Dam to Oxbow Dam
ID17050201SW002_02	Warm Springs	Snake River (Oxbow Reservoir) - Brownlee Dam to Oxbow Dam
ID17050201SW002_02	Williamson Creek	Snake River (Oxbow Reservoir) - Brownlee Dam to Oxbow Dam
ID17060103SL011_02		Captain John Creek - source to mouth
ID17060103SL011_02	Browns Creek	Captain John Creek - source to mouth
ID17060103SL011_02	Captain John Creek	Captain John Creek - source to mouth
ID17060103SL011_02	Madden Creek	Captain John Creek - source to mouth
ID17060103SL011_02	South Fork Captain John Creek	Captain John Creek - source to mouth
ID17060108CL033b_02		Cedar Creek - T43N, R05W, Sec. 28 to Idaho/Washington border
ID17060108CL033b_02	Cedar Creek	Cedar Creek - T43N, R05W, Sec. 28 to Idaho/Washington border
ID17060109CL002_02		North Fork Pine Creek - source to Idaho/Washington border
ID17060109CL002_02	North Fork Pine Creek	North Fork Pine Creek - source to Idaho/Washington border
ID17060201SL001_03		Salmon River - Pennal Gulch to Pahsimeroi River
ID17060201SL001_03	Ellis Creek	Salmon River - Pennal Gulch to Pahsimeroi River
ID17060201SL001_03	Hanna Slough	Salmon River - Pennal Gulch to Pahsimeroi River
ID17060201SL001_03	Salmon River	Salmon River - Pennal Gulch to Pahsimeroi River
ID17060201SL002_02		Morgan Creek - West Creek to mouth
ID17060201SL002_02	Blue Creek	Morgan Creek - West Creek to mouth
ID17060201SL002_02	Gooseberry Creek	Morgan Creek - West Creek to mouth
ID17060201SL002_02	Sage Creek	Morgan Creek - West Creek to mouth
ID17060201SL007_02		Challis Creek - Darling Creek to mouth
ID17060201SL014_02		Salmon River - Garden Creek to Pennal Gulch
ID17060201SL014_02	Camp Creek	Salmon River - Garden Creek to Pennal Gulch
ID17060201SL014_03		Salmon River - Garden Creek to Pennal Gulch

Assessment Unit	Stream Name	Assessment Unit Description
ID17060201SL014_03	Camp Creek	Salmon River - Garden Creek to Pennal Gulch
ID17060201SL014_03	Garden Creek	Salmon River - Garden Creek to Pennal Gulch
ID17060201SL014_03	Hanna Slough	Salmon River - Garden Creek to Pennal Gulch
ID17060201SL014_04		Salmon River - Garden Creek to Pennal Gulch
ID17060201SL027_02		Salmon River - Thompson Creek to Squaw Creek
ID17060201SL027_02	Coal Camp Fork	Salmon River - Thompson Creek to Squaw Creek
ID17060201SL027_02	French Creek	Salmon River - Thompson Creek to Squaw Creek
ID17060201SL027_02	Pistol Creek	Salmon River - Thompson Creek to Squaw Creek
ID17060201SL027_02	Spring Creek	Salmon River - Thompson Creek to Squaw Creek
ID17060201SL027_03	French Creek	Salmon River - Thompson Creek to Squaw Creek
ID17060201SL063_02		Salmon River - Redfish Lake Creek to Valley Creek
ID17060201SL072_02		Salmon River - Fisher Creek to Decker Creek
ID17060201SL101_02		Sullivan Creek - source to mouth
ID17060201SL101_02	Potaman Creek	Sullivan Creek - source to mouth
ID17060201SL101_02	Sullivan Creek	Sullivan Creek - source to mouth
ID17060201SL116_02		Pine Creek - source to mouth
ID17060201SL116_02	Pine Creek	Pine Creek - source to mouth
ID17060201SL117_02		McDonald Creek - source to mouth
ID17060201SL117_02	McDonald Creek	McDonald Creek - source to mouth
ID17060201SL124_02		Road Creek - Corral Basin Creek to mouth
ID17060201SL129_02		Spar Canyon Creek - source to mouth
ID17060201SL129_03		Spar Canyon Creek - source to mouth
ID17060201SL130_02		Bradshaw Gulch - source to mouth
ID17060201SL131_02		Warm Spring Creek - Hole-in-Rock Creek to mouth
ID17060201SL131_02	Lone Pine Creek	Warm Spring Creek - Hole-in-Rock Creek to mouth
ID17060201SL131_03	Lone Pine Creek	Warm Spring Creek - Hole-in-Rock Creek to mouth
ID17060201SL134_02		Hole-in-Rock Creek - source to mouth
ID17060201SL134_02	Hole-in-Rock Creek	Hole-in-Rock Creek - source to mouth
ID17060201SL135_02		Pennal Gulch - source to mouth
ID17060202SL001_02		Pahsimeroi River - Patterson Creek to mouth
ID17060202SL001_02	Anderson Spring	Pahsimeroi River - Patterson Creek to mouth
ID17060202SL001_02	John Short Springs	Pahsimeroi River - Patterson Creek to mouth
ID17060202SL012_03		Unnamed tributary - source to mouth (T12N, R23E, Sec. 22)
ID17060202SL012_03	Doublespring Creek	Unnamed tributary - source to mouth (T12N, R23E, Sec. 22)
ID17060202SL013_03	Doublespring Creek	Doublespring Creek - Christian Gulch to mouth
ID17060202SL015_03	Doublespring Creek	Doublespring Creek - source to Christian Gulch
ID17060204SL032a_03	Little Timber Creek	Little Timber Creek - source to diversion (T15N, R25E, Sec. 13)

Assessment Unit	Stream Name	Assessment Unit Description
ID17060204SL039_02	Meadow Lake Creek	Meadow Lake Creek - source to mouth
ID17060204SL040_02		Texas Creek - source to Meadow Lake Creek
ID17060204SL040_02	Texas Creek	Texas Creek - source to Meadow Lake Creek
ID17060204SL044_02		Divide Creek - source to mouth
ID17060204SL044_02	Divide Creek	Divide Creek - source to mouth
ID17060204SL044_02	McGinty Creek	Divide Creek - source to mouth
ID17060204SL049_02		Powderhorn Gulch - source to mouth
ID17060204SL053_02		Peterson Creek - source to mouth
ID17060204SL053_02	Left Fork Peterson Creek	Peterson Creek - source to mouth
ID17060204SL053_02	Peterson Creek	Peterson Creek - source to mouth
ID17060204SL053_02	Right Fork Peterson Creek	Peterson Creek - source to mouth
ID17060209SL011_02		Salmon River - Little Salmon River to Slate Creek
ID17060209SL011_02	Chair Creek	Salmon River - Little Salmon River to Slate Creek
ID17060209SL011_02	Christie Creek	Salmon River - Little Salmon River to Slate Creek
ID17060209SL011_02	Crawford Creek	Salmon River - Little Salmon River to Slate Creek
ID17060209SL011_02	Elfers Creek	Salmon River - Little Salmon River to Slate Creek
ID17060209SL011_02	Lightning Creek	Salmon River - Little Salmon River to Slate Creek
ID17060209SL011_02	Rhett Creek	Salmon River - Little Salmon River to Slate Creek
ID17060209SL011_02	Sherwin Creek	Salmon River - Little Salmon River to Slate Creek
ID17060209SL027_02	Van Creek	Van Creek - source to mouth
ID17060209SL047_02		Whitebird Creek - confluence of North and South Fork Whitebird Creeks to mouth
ID17060209SL047_02	Chapman Creek	Whitebird Creek - confluence of North and South Fork Whitebird Creeks to mouth
ID17060209SL047_02	Cottonwood Creek	Whitebird Creek - confluence of North and South Fork Whitebird Creeks to mouth
ID17060209SL047_02	Price Creek	Whitebird Creek - confluence of North and South Fork Whitebird Creeks to mouth
ID17060304CL003_02	Hoodoo Creek	West Fork Clear Creek - source to mouth
ID17060304CL003_02	Lost Mule Creek	West Fork Clear Creek - source to mouth
ID17060304CL003_02	West Fork Clear Creek	West Fork Clear Creek - source to mouth
ID17060306CL044_02		Potlatch River - Big Bear Creek to mouth
ID17060306CL060_02		Little Bear Creek - source to mouth
ID17060306CL060_02	Bergs Creek	Little Bear Creek - source to mouth
ID17060306CL060_02	Nora Creek	Little Bear Creek - source to mouth
ID17060306CL060_02	Spring Valley Creek	Little Bear Creek - source to mouth

^a CU = cataloging unit

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Appendix D. Category 1—waters of the state wholly within a designated wilderness or inventoried roadless area and presumed to be fully supporting all beneficial uses.

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2012 Integrated Report: Category 1: Waters Wholly within Wilderness or Roadless Areas Where Standards are Presumed to be Attained

2012 Integrated Report: Category 1: Wilderness/Roadless Waters

Bear River

16010201

Bear Lake

ID16010201BR014_02aL	Bloomington Lake	10.03	ACRES
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Clearwater

17060301

Upper Selway

ID17060301CL001_02	Selway River - Bear Creek to Moose Creek	19.85	MILES
ID17060301CL001_05	Selway River - Bear Creek to Moose Creek	10.54	MILES
ID17060301CL002_02	Magpie Creek - source to mouth	4.53	MILES
ID17060301CL003_02	Bitch Creek - source to mouth	10.31	MILES
ID17060301CL004_02	Selway River - White Cap Creek to Bear Creek	22.97	MILES
ID17060301CL004_05	Selway River - White Cap Creek to Bear Creek	16.16	MILES
ID17060301CL005_02	Ditch Creek - source to mouth	19.7	MILES
ID17060301CL005_03	Ditch Creek - source to mouth	2.01	MILES
ID17060301CL006_02	Elk Creek - source to mouth	10.14	MILES
ID17060301CL007_02	Goat Creek - source to mouth	36.19	MILES
ID17060301CL007_03	Goat Creek - source to mouth	8.58	MILES
ID17060301CL008_02	Running Creek - Lynx Creek to mouth	33.07	MILES
ID17060301CL008_03	Running Creek - Lynx Creek to mouth	10.49	MILES
ID17060301CL009_02	Running Creek - source to Lynx Creek	22.09	MILES
ID17060301CL009_03	Running Creek - source to Lynx Creek	3.69	MILES
ID17060301CL010_02	South Fork Running Creek - source to mouth	9.59	MILES
ID17060301CL011_02	Lynx Creek - source to mouth	13.91	MILES
ID17060301CL012_02	Eagle Creek - source to mouth	27	MILES
ID17060301CL013_02	Crooked Creek - source to mouth	16.33	MILES
ID17060301CL013_03	Crooked Creek - source to mouth	3.5	MILES
ID17060301CL014_02	Selway River - Deep Creek to White Cap Creek	44.31	MILES
ID17060301CL014_04	Selway River - Deep Creek to White Cap Creek	5.56	MILES
ID17060301CL014_05	Selway River - Deep Creek to White Cap Creek	9.25	MILES
ID17060301CL015_02	Little Clearwater River- Flat Creek to mouth	8.59	MILES
ID17060301CL015_04	Little Clearwater River- Flat Creek to mouth	6.01	MILES

ID17060301CL016_02	Short Creek - source to mouth	13.09	MILES
ID17060301CL017_02	Little Clearwater River - source to Flat Creek	13.97	MILES
ID17060301CL017_03	Little Clearwater River - source to Flat Creek	1.32	MILES
ID17060301CL017_04	Little Clearwater River - source to Flat Creek	3.12	MILES
ID17060301CL018_02	Burnt Knob Creek - source to mouth	17.03	MILES
ID17060301CL018_02L	Burnt Knob Lakes	6.08	ACRES
ID17060301CL018_03	Burnt Knob Creek - source to mouth	1.56	MILES
ID17060301CL019_02	Salamander Creek - source to mouth	18.73	MILES
ID17060301CL019_03	Salamander Creek - source to mouth	4.21	MILES
ID17060301CL020_02	Flat Creek - source to mouth	14.61	MILES
ID17060301CL021_02	Magruder Creek - source to mouth	12.17	MILES
ID17060301CL022_01L	Gold Pan Lake	11.01	ACRES
ID17060301CL022_02	Selway River - confluence of Hidden and Surprise Creeks	67.4	MILES
ID17060301CL022_02L	Thirteen Lakes	12.84	ACRES
ID17060301CL022_03	Selway River - confluence of Hidden and Surprise Creeks	7.37	MILES
ID17060301CL022_04	Selway River - confluence of Hidden and Surprise Creeks	7.75	MILES
ID17060301CL023_02	Three Lakes Creek - source to mouth	18.66	MILES
ID17060301CL023_02L	Elk Track Lakes - Three Lakes Creek	11.65	ACRES
ID17060301CL023_03	Three Lakes Creek - source to mouth	1.66	MILES
ID17060301CL024_02	Swet Creek - source to mouth	12.72	MILES
ID17060301CL024_02L	Swet Lake	11.23	ACRES
ID17060301CL025_02	Stripe Creek - source to mouth	4.4	MILES
ID17060301CL026_02	Hidden Creek - source to mouth	6.72	MILES
ID17060301CL027_02	Surprise Creek - source to mouth	13.64	MILES
ID17060301CL028_02	Wilkerson Creek - Storm Creek to mouth	15.05	MILES
ID17060301CL028_03	Wilkerson Creek - Storm Creek to mouth	4.57	MILES
ID17060301CL029_02	Wilkerson Creek - source to Storm Creek	8.84	MILES
ID17060301CL030_02	Storm Creek - source to mouth	18.19	MILES
ID17060301CL030_03	Storm Creek - source to mouth	3.28	MILES
ID17060301CL031_02	Deep Creek - source to mouth	24	MILES
ID17060301CL031_03	Deep Creek - source to mouth	9.67	MILES
ID17060301CL032_02	Vance Creek - source to mouth	6.16	MILES
ID17060301CL033_02	Lazy Creek - source to mouth	11.59	MILES
ID17060301CL033_03	Lazy Creek - source to mouth	1.37	MILES
ID17060301CL034_02	Pete Creek - source to mouth	5.13	MILES
ID17060301CL035_02	Cayuse Creek - source to mouth	14.82	MILES

ID17060301CL036_02	Indian Creek - source to mouth	36.17	MILES
ID17060301CL036_03	Indian Creek - source to mouth	7.49	MILES
ID17060301CL037_02	Schofield Creek - source to mouth	12.99	MILES
ID17060301CL038_02	Snake Creek - source to mouth	10.55	MILES
ID17060301CL039_02	White Cap Creek - Canyon Creek to mouth	36.56	MILES
ID17060301CL039_03	White Cap Creek - Canyon Creek to mouth	3.09	MILES
ID17060301CL039_04	White Cap Creek - Canyon Creek to mouth	7.7	MILES
ID17060301CL040_02	Canyon Creek - source to mouth	37.53	MILES
ID17060301CL040_02L	Unnamed Lake - Canyon Creek	9.36	ACRES
ID17060301CL040_03	Canyon Creek - source to mouth	1.38	MILES
ID17060301CL041_02	Cooper Creek - source to mouth	10.78	MILES
ID17060301CL041_03	Cooper Creek - source to mouth	0.72	MILES
ID17060301CL042_01L	Triple Lakes	15.66	ACRES
ID17060301CL042_02	White Cap Creek - source to Canyon Creek	48.52	MILES
ID17060301CL042_02L	White Cap Lakes	36.16	ACRES
ID17060301CL042_03	White Cap Creek - source to Canyon Creek	12.71	MILES
ID17060301CL042_0L	Unnamed Lakes in 17060301CL4202	15.67	ACRES
ID17060301CL043_02	Paloma Creek - source to mouth	6.74	MILES
ID17060301CL044_02	Bad Luck Creek - source to mouth	21.82	MILES
ID17060301CL045_02	Gardner Creek - source to mouth	9.82	MILES
ID17060301CL046_02	North Star Creek - source to mouth	7.25	MILES
ID17060301CL047_02	Bear Creek - Cub Creek to mouth	13.01	MILES
ID17060301CL047_04	Bear Creek - Cub Creek to mouth	4.93	MILES
ID17060301CL048_02	Cub Creek - Brushy Fork Creek to mouth	5.81	MILES
ID17060301CL048_03	Cub Creek - Brushy Fork Creek to mouth	4.29	MILES
ID17060301CL049_02	Brushy Fork Creek - source to mouth	20.51	MILES
ID17060301CL049_02L	Brushy Fork Lake	19.5	ACRES
ID17060301CL049_03	Brushy Fork Creek - source to mouth	2.82	MILES
ID17060301CL050_02	Cub Creek - source to Brushy Fork Creek	23.96	MILES
ID17060301CL050_02L	Cub Lake	40.42	ACRES
ID17060301CL051_02	Paradise Creek - source to mouth	30.86	MILES
ID17060301CL051_02L	Spruce Lake	10.41	ACRES
ID17060301CL052_02	Bear Creek - Wahoo Creek to Cub Creek	21.7	MILES
ID17060301CL052_03	Bear Creek - Wahoo Creek to Cub Creek	8.66	MILES
ID17060301CL053_02L	Diamond Lake	10.26	ACRES
ID17060301CL054_02	Granite Creek - source to mouth	6.92	MILES

ID17060301CL055_02	Wahoo Creek - source to mouth	14.21	MILES
ID17060301CL055_02L	Park Lakes	22.86	ACRES
ID17060301CL055_03	Wahoo Creek - source to mouth	5.5	MILES
ID17060301CL056_02	Pettibone Creek - source to mouth	30.84	MILES
ID17060301CL056_02L	Sid and Papoose Lakes	7.59	ACRES
ID17060301CL056_03	Pettibone Creek - source to mouth	9.81	MILES
ID17060301CL057_02	Cow Creek - source to mouth	3.16	MILES
ID17060301CL058_02	Dog Creek - source to mouth	9.27	MILES

17060302

Lower Selway

ID17060302CL019_02	East Fork Meadow Creek - source to mouth	17.23	MILES
ID17060302CL020_02	Schwar Creek - source to mouth	22.69	MILES
ID17060302CL021_02	Buck Lake Creek - source to mouth	27.66	MILES
ID17060302CL021_02L	Buck Lake	4.14	ACRES
ID17060302CL021_03	Buck Lake Creek - source to mouth	10.73	MILES
ID17060302CL023_02	Otter Creek - source to mouth	18.18	MILES
ID17060302CL024_02	Mink Creek - source to mouth	14.71	MILES
ID17060302CL024_03	Mink Creek - source to mouth	4.52	MILES
ID17060302CL025_02	Marten Creek - source to mouth	33.61	MILES
ID17060302CL025_03	Marten Creek - source to mouth	5.21	MILES
ID17060302CL026_02	Trout Creek - source to mouth	12.27	MILES
ID17060302CL027_05	Moose Creek - East Fork Moose Creek to mouth	3.73	MILES
ID17060302CL028_02	East Fork Moose Creek - Cedar Creek to Moose Creek	27.92	MILES
ID17060302CL028_04	East Fork Moose Creek - Cedar Creek to Moose Creek	14.05	MILES
ID17060302CL029_02	Freeman Creek - source to mouth	3.35	MILES
ID17060302CL030_02	Monument Creek - source to mouth	7.17	MILES
ID17060302CL031_02	Elbow Creek - source to mouth	10.87	MILES
ID17060302CL032_02	Battle Creek - source to mouth	13.56	MILES
ID17060302CL032_02L	Battle Lake	35.45	ACRES
ID17060302CL033_01L	Dead Elk Creek Lake	10.69	ACRES
ID17060302CL033_02	East Fork Moose Creek - source to Cedar Creek	45.88	MILES
ID17060302CL033_02L	Goat Lakes	41.15	ACRES
ID17060302CL033_03	East Fork Moose Creek - source to Cedar Creek	11.68	MILES
ID17060302CL033_03L	Moose Lake	9.51	ACRES
ID17060302CL033_0L	Jeanette Lake	6.58	ACRES
ID17060302CL034_02	Chute Creek - source to mouth	2.88	MILES
ID17060302CL035_02	Dead Elk Creek - source to mouth	3.92	MILES

ID17060302CL036_02	Cedar Creek - source to mouth	27.04	MILES
ID17060302CL036_03	Cedar Creek - source to mouth	5.13	MILES
ID17060302CL037_02	Maple Creek - source to mouth	12.55	MILES
ID17060302CL037_02L	Maple Lake	4.05	ACRES
ID17060302CL038_02	Double Creek - source to mouth	15.46	MILES
ID17060302CL038_02L	May Lake	11.78	ACRES
ID17060302CL039_02	Fitting Creek - source to mouth	4.88	MILES
ID17060302CL040_02	North Fork Moose Creek - Rhoda Creek to mouth	29.68	MILES
ID17060302CL040_03	North Fork Moose Creek - Rhoda Creek to mouth	0.57	MILES
ID17060302CL040_05	North Fork Moose Creek - Rhoda Creek to mouth	7.27	MILES
ID17060302CL041_02	North Fork Moose Creek - West Moose Creek to Rhoda Creek	10.88	MILES
ID17060302CL041_04	North Fork Moose Creek - West Moose Creek to Rhoda Creek	11.36	MILES
ID17060302CL042_02	North Fork Moose Creek - source to West Fork Moose Creek	24.67	MILES
ID17060302CL042_03	North Fork Moose Creek - source to West Fork Moose Creek	2.89	MILES
ID17060302CL043_02	West Fork Moose Creek - source to mouth	35.64	MILES
ID17060302CL043_03	West Fork Moose Creek - source to mouth	4.77	MILES
ID17060302CL044_02	Rhoda Creek - Wounded Doe Creek to mouth	2.86	MILES
ID17060302CL044_04	Rhoda Creek - Wounded Doe Creek to mouth	3.18	MILES
ID17060302CL045_01L	Wounded Doe Creek Lake	7	ACRES
ID17060302CL045_02	Wounded Doe Creek - source to mouth	22.84	MILES
ID17060302CL045_03	Wounded Doe Creek - source to mouth	4.98	MILES
ID17060302CL046_01L	North and South Lone Lakes	26.36	ACRES
ID17060302CL046_02	Rhoda Creek - source to Wounded Doe Creek	31.9	MILES
ID17060302CL046_02L	Two Lakes	22.73	ACRES
ID17060302CL046_03	Rhoda Creek - source to Wounded Doe Creek	4.88	MILES
ID17060302CL046_0L	Shasta Lake	5.25	ACRES
ID17060302CL047_02	Lizard Creek - Lizard Lakes to mouth	7.35	MILES
ID17060302CL047_02L	Lizard Lakes	51.51	ACRES
ID17060302CL048_02	Meeker Creek - source to mouth	9.45	MILES
ID17060302CL049_02	Three Links Creek - source to mouth	40.29	MILES
ID17060302CL049_02L	North and South Three Links Lakes	31.39	ACRES
ID17060302CL049_03	Three Links Creek - source to mouth	10.18	MILES
ID17060302CL049_04	Three Links Creek - source to mouth	4.18	MILES
ID17060302CL052_01L	Cove-Rainbow Lakes	9.75	ACRES

17060303

Lochsa

ID17060303CL007_02L	Old Man Lakes	77.18	ACRES
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ID17060303CL007_0L	Chimney Lake	4.93	ACRES
ID17060303CL010_02L	Rock Creek Lakes	19.58	ACRES
ID17060303CL010_03	Boulder Creek - source to mouth	4.49	MILES
ID17060303CL011_02L	Long Lake	28.25	ACRES
ID17060303CL015_02	Sponge Creek - source to Fish Lake Creek	22.37	MILES
ID17060303CL016_02	Fish Lake Creek - source to mouth	23.76	MILES
ID17060303CL016_02L	Fish Lake	53.12	ACRES
ID17060303CL018_02	Warm Springs Creek - source to Wind Lakes Creek	23.47	MILES
ID17060303CL018_02L	Hungry Lake	23.66	ACRES
ID17060303CL019_02L	Wind Lakes	37.46	ACRES
ID17060303CL019_03	Wind Lakes Creek - source to mouth	4.84	MILES
ID17060303CL023_02L	Walton Lakes	22.21	ACRES
ID17060303CL025_02	White Sand Creek - source to Storm Creek	33.27	MILES
ID17060303CL025_02L	Garnet Lake, Parachute Lake	29.99	ACRES
ID17060303CL025_03	White Sand Creek - source to Storm Creek	2.11	MILES
ID17060303CL025_0L	Garnet Lake	7.73	ACRES
ID17060303CL026_02L	Colt Creek Lakes	26.93	ACRES
ID17060303CL027_03	Big Sand Creek - Hidden Creek to mouth	7.77	MILES
ID17060303CL029_02	Big Sand Creek - source to Hidden Creek	22.6	MILES
ID17060303CL029_02L	Big Sand Lake	69.72	ACRES
ID17060303CL030_01L	Tadpole Lake	12.27	ACRES
ID17060303CL030_02	Hidden Creek - source to mouth	12.88	MILES
ID17060303CL030_02L	Hidden Lake (Hidden Creek to source)	117.8	ACRES
ID17060303CL030_03	Hidden Creek - source to mouth	3.48	MILES
ID17060303CL031_02	Big Flat Creek - source to mouth	10.58	MILES
ID17060303CL032_01L	Storm Lake	13.38	ACRES
ID17060303CL032_02	Storm Creek - source to mouth	42.03	MILES
ID17060303CL032_02L	Maud Lake	24.11	ACRES
ID17060303CL032_03L	Dan, Dodge, Maud Lakes	17.57	ACRES
ID17060303CL039_02	Hopeful Creek - source to mouth	12.37	MILES
ID17060303CL051_02	Bald Mountain Creek - source to mouth	2.35	MILES
ID17060303CL055_02	Obia Creek - source to mouth	12.14	MILES
ID17060303CL056_02	Hungry Creek - source to Obia Creek	8.66	MILES

17060305

South Fork Clearwater

ID17060305CL015_02	Gospel Creek - source to mouth	18.85	MILES
ID17060305CL015_02L	Moore's and Middle Knob Lakes	63.11	ACRES

ID17060305CL016_02	West Fork Gospel Creek - source to mouth	5.94	MILES
ID17060305CL016_02L	Gospel Lakes	10.47	ACRES
ID17060305CL018_02	Johns Creek - source to Moores Creek	17.65	MILES
ID17060305CL018_03	Johns Creek - source to Moores Creek	3.6	MILES
ID17060305CL019_02	Moores Creek - source to mouth	8.77	MILES
ID17060305CL020_02	Square Mountain Creek - source to mouth	5.04	MILES
ID17060305CL021_02	Hagen Creek - source to mouth	11.26	MILES

17060307 Upper North Fork Clearwater

ID17060307CL024_02	Kelly Creek - confluence of North and Middle Fork Kelly Cree	42.2	MILES
ID17060307CL024_03	Kelly Creek - confluence of North and Middle Fork Kelly Cree	8.36	MILES
ID17060307CL024_04	Kelly Creek - confluence of North and Middle Fork Kelly Cree	3.16	MILES
ID17060307CL025_02	South Fork Kelly Creek - source to mouth	12.99	MILES
ID17060307CL026_02	Middle Fork Kelly Creek - source to mouth	15.37	MILES
ID17060307CL027_02	North Fork Kelly Creek - source to mouth	9.26	MILES
ID17060307CL047_03	Skull Creek - source to Collins Creek	4.16	MILES
ID17060307CL048_02	Collins Creek - source to mouth	33.62	MILES
ID17060307CL048_03	Collins Creek - 3rd order	5.81	MILES

17060308 Lower North Fork Clearwater

ID17060308CL010_02	Isabella Creek - headwaters to Elmer/Jug Creek	3.15	MILES
ID17060308CL012_02L	Larkins Lakes	7.74	ACRES
ID17060308CL012_05	Little North Fork Clearwater R.-Spotted Louis C. to Foehl C.	2.9	MILES
ID17060308CL013_02	Sawtooth Creek - source to mouth	25.89	MILES
ID17060308CL013_02L	Sawtooth Creek Lakes	33.51	ACRES
ID17060308CL013_03	Sawtooth Creek - source to mouth	5.42	MILES

Panhandle

17010104 Lower Kootenai

ID17010104PN006_02L	Joe and Hidden Lakes	44.29	ACRES
ID17010104PN008_02L	Smith Lake	4.33	ACRES
ID17010104PN011_01L	Ball Lakes- Spanish Creek	8.43	ACRES
ID17010104PN011_02L	Myrtle Lake	19.74	ACRES
ID17010104PN016_02L	Bottleneck Lake	10.61	ACRES

17010213 Lower Clark Fork

ID17010213PN019_02L	Darling-Gem Lakes	16.35	ACRES
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17010214 Pend Oreille Lake

ID17010214PN041_01L	Beehive Lakes	16.28	ACRES
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17010215 Priest

ID17010215PN012_01L	Two Mouth Lakes	11.74	ACRES
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17010304 St. Joe

ID17010304PN041_01L	Halo, Bacon and Forage Lakes	18.99	ACRES
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Salmon**17060101 Hells Canyon**

ID17060101SL004_02L	Unnamed lakes in Six Lake Basin	22.84	ACRES
ID17060101SL006_02	Granite and Devils Farm Creeks - 1st and 2nd order	18.16	MILES
ID17060101SL006_02L	Emerald Lake	30.47	ACRES
ID17060101SL007_02L	Little Granite Creek Lakes	77.85	ACRES
ID17060101SL010_02	West Fork Sheep Creek - source to mouth	6.17	MILES
ID17060101SL010_02L	Sheep Creek Lakes	80.03	ACRES
ID17060101SL011_02	East Fork Sheep Creek - source to mouth	5.24	MILES
ID17060101SL012_02	Clarks Fork - source to mouth	13.4	MILES

17060201 Upper Salmon

ID17060201SL016_02L	Unnamed Diversion - Trib to Salmon R	7.17	ACRES
ID17060201SL046_02L	Crimson Lake (Cabin Creek)	17.49	ACRES
ID17060201SL055_02L	Kelly and Martin Lakes	9.08	ACRES
ID17060201SL058_01L	Hanson Lakes	27.12	ACRES
ID17060201SL058_02L	Stanley Lake	176.13	ACRES
ID17060201SL058_0L	McGown Lakes	9.11	ACRES
ID17060201SL060_01L	Alpine Lake	21.48	ACRES
ID17060201SL060_02L	Sawtooth Lake	169.91	ACRES
ID17060201SL061_02L	Goat Lakes	50.17	ACRES
ID17060201SL062_02L	Marshall Lake	4.15	ACRES
ID17060201SL065_01L	Stephens Lakes	14.94	ACRES
ID17060201SL065_02L	Unamed Lake to Fish Hook Creek Tributary	18.03	ACRES
ID17060201SL066_02L	Bench Lakes	61.01	ACRES
ID17060201SL067_01L	Saddleback Lakes (Upper and Lower)	24.1	ACRES
ID17060201SL067_02	Redfish Lake Creek - source to Redfish Lake	14.4	MILES
ID17060201SL067_02L	Kathryn - Cramer-Alpine Lakes	101.75	ACRES

ID17060201SL070_02L	Decker Creek Lakes	6.06	ACRES
ID17060201SL074_02L	Hell Roaring Creek Lakes	188.32	ACRES
ID17060201SL075_01L	Cabin Creek Lakes	17.14	ACRES
ID17060201SL076_02L	Toxaway Lakes	142.63	ACRES
ID17060201SL076_0L	Farley Lake	48.9	ACRES
ID17060201SL077_03L	Twin Lakes	49.35	ACRES
ID17060201SL077_0L	Alice Lakes	79.13	ACRES
ID17060201SL080_02	Alpine Creek - source to mouth	9.72	MILES
ID17060201SL080_02L	Unnamed Lakes - Alpine Creek	106.67	ACRES
ID17060201SL086_02L	Champion Lakes	40.07	ACRES
ID17060201SL087_01L	Fourth of July Lake	7.15	ACRES
ID17060201SL087_02L	Heart and Six Lakes	10.04	ACRES
ID17060201SL093_02L	Rough Lake	10.46	ACRES
ID17060201SL094_02L	Unnamed Lake - Trib to Warm Springs Creek	3.85	ACRES
ID17060201SL095_02	Warm Springs Creek - Pigtail Creek to Swimm Creek	36.41	MILES
ID17060201SL095_02L	Garland Lakes	4.56	ACRES
ID17060201SL095_03	Warm Springs Creek - Pigtail Creek to Swimm Creek	4.83	MILES
ID17060201SL096_02	Pigtail Creek - source to mouth	16.12	MILES
ID17060201SL097_02	Warm Springs Creek - source to Pigtail Creek	16.58	MILES
ID17060201SL097_03	Warm Springs Creek - source to Pigtail Creek	3.75	MILES
ID17060201SL098_02	Swimm Creek - source to mouth	3.54	MILES
ID17060201SL098_02L	Swimm Lake	17.6	ACRES
ID17060201SL099_01L	Crater Lake	17.31	ACRES
ID17060201SL099_02L	Ocalkens Lakes	15.84	ACRES
ID17060201SL101_03L	Sullivan Lake	42	ACRES
ID17060201SL105_02L	Big Boulder Lakes	142.24	ACRES
ID17060201SL105_0L	Island Lake and Upper Goat Lake	22.64	ACRES
ID17060201SL106_01L	Boulder Chain Lakes	102.5	ACRES
ID17060201SL106_02L	Quiet Lakes	58.14	ACRES
ID17060201SL106_0L	Frog Lakes-Spring Basin	12.98	ACRES
ID17060201SL107_02	Germania Creek - Chamberlain Creek to mouth	7.18	MILES
ID17060201SL108_02	Chamberlain Creek - source to mouth	8.13	MILES
ID17060201SL108_02L	Chamberlain Basin Lakes	30.46	ACRES
ID17060201SL109_02L	Deer Lakes	12.29	ACRES
ID17060201SL109_03	Germania Creek - source to Chamberlain Creek	5.58	MILES
ID17060201SL112_02	South Fork East Fork Salmon River - source to mouth	24.83	MILES

ID17060201SL112_03	South Fork East Fork Salmon River - source to mouth	2.04	MILES
ID17060201SL113_02	lbex Creek - source to mouth	3.79	MILES

17060202 Pahsimeroi

ID17060202SL022_01L	Merriam Lakes	10.13	ACRES
ID17060202SL022_02L	East Fork Pahsimeroi River Lakes	11.49	ACRES

17060203 Middle Salmon-Panther

ID17060203SL001_02L	Dome Lake	17.29	ACRES
ID17060203SL004_02L	Big Clear Creek Lakes	29.72	ACRES
ID17060203SL006_02L	Cathedral and Golden Trout Lakes	25.84	ACRES
ID17060203SL018_02L	Unnamed Lake - SF Moyer Creek	5.73	ACRES
ID17060203SL057_02L	Unnamed Lakes- Trib to McKim Creek	3.42	ACRES

17060204 Lemhi

ID17060204SL013_0L	Unnamed Lakes -McNutt Creek	7.95	ACRES
ID17060204SL017_01L	Bear Valley Lakes - Bear Valley Creek	42.53	ACRES
ID17060204SL017_02L	Buck Lakes	11.98	ACRES
ID17060204SL018_02	Wright Creek - source to mouth	4.17	MILES
ID17060204SL018_02L	Wright Creek Lakes	9.26	ACRES
ID17060204SL021_02	Hayden Creek - source to West Fork Hayden Creek	6.05	MILES
ID17060204SL022_02	West Fork Hayden Creek - source to mouth	8.4	MILES
ID17060204SL022_02L	Unnamed Lakes - West Fork Hayden Creek and Bray Creek	10.23	ACRES
ID17060204SL022_03	West Fork Hayden Creek - source to mouth	0.62	MILES
ID17060204SL023_02L	Buffalo Skull Lake	4.11	ACRES
ID17060204SL024_02L	Bates Gulch Lake	4.01	ACRES
ID17060204SL026b_02L	Mill Creek Lakes	32.57	ACRES
ID17060204SL028_02L	Unnamed Lake - Stroud Creek	3.33	ACRES
ID17060204SL032b_01L	Little Timber Creek Lakes	17.31	ACRES
ID17060204SL034_02	Rocky Creek - source to mouth	3.95	MILES
ID17060204SL035_02	Big Timber Creek - source to Rocky Creek	25.05	MILES
ID17060204SL035_03	Big Timber Creek - source to Rocky Creek	2.73	MILES
ID17060204SL037_02L	Deer Creek Lake	6.27	ACRES
ID17060204SL052b_02L	Little Eightmile Diversion	10.19	ACRES

17060205 Upper Middle Fork Salmon

ID17060205SL001_01L	Iris Lakes	6.27	ACRES
ID17060205SL001_02L	Finger Lakes	7.51	ACRES
ID17060205SL001_03	Cougar and Fall Creeks - 3rd order sections	5.49	MILES

ID17060205SL002_03	Marble and Little Cottonwood Creeks - 3rd order	4.16	MILES
ID17060205SL002_04	Marble Creek - 4th order (Little Cottonwood Creek to mouth)	15.86	MILES
ID17060205SL003_02	Trail Creek - 1st and 2nd order	28.27	MILES
ID17060205SL003_03	Trail and Poee Creeks - 3rd order	6.58	MILES
ID17060205SL004_02	Big Cottonwood Creek - entire drainage	9.07	MILES
ID17060205SL005_02	Dynamite Creek - 1st and 2nd order	19.42	MILES
ID17060205SL005_03	Dynamite Creek - 3rd order	2.26	MILES
ID17060205SL006_02	Indian Creek - 1st and 2nd order	91.6	MILES
ID17060205SL006_02L	Cultens Creek - unnamed headwater lake	7.1	ACRES
ID17060205SL006_03	Indian Creek - 3rd order (Big Chief Creek to mouth)	14.43	MILES
ID17060205SL007_03	Pistol, Forty-five, and Little Pistol Creeks - 3rd order	21.32	MILES
ID17060205SL007_04	Pistol Creek - 4th order (Forty-five Creek to mouth)	4.88	MILES
ID17060205SL008_03	Elkhorn Creek - 3rd order (NF Elkhorn Creek to mouth)	1.49	MILES
ID17060205SL009_03	Sulphur and Honeymoon Creeks - 3rd order	1.81	MILES
ID17060205SL013_04a	Elk Creek - Wilderness Area	3.92	MILES
ID17060205SL016_02L	Upper Lost Lakes	4.49	ACRES
ID17060205SL025_02L	Knapp Lakes	16.56	ACRES
ID17060205SL028_01L	Mabie Lakes	12.8	ACRES
ID17060205SL032_02L	Ruffneck Lakes	19.87	ACRES
ID17060205SL033_01L	Soldier Lakes	5.1	ACRES
ID17060205SL033_02	Soldier Creek - source to mouth	20.27	MILES
ID17060205SL033_02L	Cutthroat Lake	6.77	ACRES
ID17060205SL033_03	Soldier Creek - source to mouth	5.43	MILES
ID17060205SL035_02	Rapid River - Bell Creek to mouth	14.05	MILES
ID17060205SL035_04	Rapid River - Bell Creek to mouth	5.71	MILES
ID17060205SL036_02	Bell Creek - source to mouth	5.06	MILES
ID17060205SL037_04	Rapid River - Lucinda Creek to Bell Creek	2.22	MILES
ID17060205SL039_01L	Josephus Lake	10.89	ACRES
ID17060205SL041_02L	Vanity Lakes	11.73	ACRES
ID17060205SL044_02	Sheep Creek-confluence of North and South Fork Sheep Creek	1.01	MILES
ID17060205SL044_03	Sheep Creek-confluence of North and South Fork Sheep Creek	2.03	MILES
ID17060205SL045_02	South Fork Sheep Creek - source to mouth	6.57	MILES
ID17060205SL046_02	North Fork Sheep Creek - source to mouth	4.37	MILES
ID17060205SL047_02	Little Loon Creek - source to mouth	53.53	MILES
ID17060205SL047_03	Little Loon Creek - source to mouth	7.02	MILES
ID17060205SL048_05	Loon Creek - Cabin Creek to mouth	11.17	MILES

ID17060205SL049_02	Loon Creek - Warm Springs Creek to Cabin Creek	18.09	MILES
ID17060205SL049_05	Loon Creek - Warm Springs Creek to Cabin Creek	3.42	MILES
ID17060205SL050_02	Loon Creek - Cottonwood Creek to Warm Springs Creek	4.51	MILES
ID17060205SL050_04	Loon Creek - Cottonwood Creek to Warm Springs Creek	2.6	MILES
ID17060205SL051_02	Loon Creek - Shell Creek to Cottonwood Creek	1.07	MILES
ID17060205SL051_04	Loon Creek - Shell Creek to Cottonwood Creek	1.68	MILES
ID17060205SL052_02	Shell Creek - source to mouth	4.43	MILES
ID17060205SL058_02	Trail Creek - source to mouth	15.27	MILES
ID17060205SL059_02	Loon Creek - source to Pioneer Creek	18.41	MILES
ID17060205SL059_02L	Horseshoe Lake (Loon Creek)	22.43	ACRES
ID17060205SL059_03	Loon Creek - source to Pioneer Creek	2.62	MILES
ID17060205SL060_02L	Unnamed Lakes - Tango Creek	5.56	ACRES
ID17060205SL060_03	Pioneer Creek - source to mouth	2.32	MILES
ID17060205SL063_02L	Mystery Lakes	26.04	ACRES
ID17060205SL064_02	East Fork Mayfield Creek - source to mouth	31.5	MILES
ID17060205SL064_03	East Fork Mayfield Creek - source to mouth	8.66	MILES
ID17060205SL065_02	Cottonwood Creek - source to mouth	18.42	MILES
ID17060205SL065_03	Cottonwood Creek - source to mouth	1.83	MILES
ID17060205SL066_02	South Fork Cottonwood Creek - source to mouth	7.28	MILES
ID17060205SL067_04	Warm Springs Creek - Trapper Creek to mouth	11.03	MILES
ID17060205SL068_02	Trapper Creek - source to mouth	28.42	MILES
ID17060205SL068_03	Trapper Creek - source to mouth	1.5	MILES
ID17060205SL069_03	Warm Springs Creek - source to Trapper Creek	3.2	MILES
ID17060205SL070_02	Cabin Creek - source to mouth	18	MILES

17060206 Lower Middle Fork Salmon

ID17060206SL001_03	Norton and Stoddard Creeks - 3rd order	6.8	MILES
ID17060206SL002_02	Papoose Creek - 1st and 2nd order	28.93	MILES
ID17060206SL002_03	Papoose Creek - 3rd order	2.99	MILES
ID17060206SL003_02L	Jacobs Ladder and Belvidere Creeks - unnamed headwater lakes	10.32	ACRES
ID17060206SL004_02	Cabin Creek - 1st and 2nd order	26.55	MILES
ID17060206SL004_03	Cabin Creek - 3rd order (Cow Creek to mouth)	1.28	MILES
ID17060206SL005_02	Cave Creek - 1st and 2nd order	14.98	MILES
ID17060206SL005_03	Cave Creek - 3rd order (West Fork Cave Creek to mouth)	2.9	MILES
ID17060206SL006_02	Crooked Creek - 1st and 2nd order	31.22	MILES
ID17060206SL006_03	Crooked Creek - 3rd order (West Fork Crooked Creek to mouth)	6.9	MILES
ID17060206SL007_02	Big Ramey Creek - 1st and 2nd order	33.96	MILES

ID17060206SL007_03	Big Ramey Creek - 3rd order (West Fork to mouth)	3.37	MILES
ID17060206SL008_02	Beaver Creek - 1st and 2nd order	35.54	MILES
ID17060206SL008_03	Beaver Creek - 3rd order (West Fork to Big Creek)	8.26	MILES
ID17060206SL011_02	Little Marble Creek - entire watershed	13.92	MILES
ID17060206SL012_03L	Roosevelt Lake	7.01	ACRES
ID17060206SL012_04	Monumental Creek - 4th order (West Fork to mouth)	14.87	MILES
ID17060206SL013_02	Snowslide Creek - 1st and 2nd order	19.69	MILES
ID17060206SL013_02L	Beehive Creek - unnamed headwater lake	7.68	ACRES
ID17060206SL013_03	Snowslide Creek - 3rd order (Beehive Creek to mouth)	3.02	MILES
ID17060206SL014_02	West Fork Monumental Creek - 1st and 2nd order	20.27	MILES
ID17060206SL014_03	West Fork Monumental Creek - 3rd order	6.49	MILES
ID17060206SL015_02	Rush Creek - 1st and 2nd order except Two Point Creek	81.22	MILES
ID17060206SL015_03	Rush and Corner Creeks - 3rd order	3.01	MILES
ID17060206SL016_02	Two Point Creek - entire drainage	4.91	MILES
ID17060206SL017_02	Soldier Creek - entire drainage	19.74	MILES
ID17060206SL019_02	Sheep Creek - 1st and 2nd order	25.03	MILES
ID17060206SL019_03	Sheep Creek - 3rd order	7.97	MILES
ID17060206SL020_02	Camas Creek - Yellowjacket Creek to mouth	16.57	MILES
ID17060206SL021_02	Camas Creek - Forge Creek to Yellowjacket Creek	25.12	MILES
ID17060206SL021_02L	Woodtick Lake	4.56	ACRES
ID17060206SL024_01L	West Fork Lakes	14.33	ACRES
ID17060206SL024_02	West Fork Camas Creek - source to mouth	44.47	MILES
ID17060206SL024_02L	Liberty Lakes	6.44	ACRES
ID17060206SL029_02	South Fork Camas Creek - source to mouth	21.6	MILES
ID17060206SL029_03	South Fork Camas Creek - source to mouth	2.17	MILES
ID17060206SL030_03	Camas Creek - source to South Fork Camas Creek	3.77	MILES
ID17060206SL034_02L	Arrastra Creek Lakes	6.84	ACRES
ID17060206SL037_02	Yellowjacket Creek - Jenny Creek to mouth	6.56	MILES
ID17060206SL037_03	Yellowjacket Creek - Jenny Creek to mouth	4.33	MILES
ID17060206SL038_02L	Lake Creek	5.44	ACRES
ID17060206SL045_02	Jenny Creek - source to mouth	2.01	MILES
ID17060206SL046_01L	Paragon Lakes	12.5	ACRES
ID17060206SL046_02	Wilson Creek - source to mouth	29.64	MILES
ID17060206SL046_02L	Sky High Lakes	28.99	ACRES
ID17060206SL046_03	Wilson Creek - source to mouth	11.23	MILES
ID17060206SL046_0L	Wilson Creek Lakes	22.04	ACRES

ID17060206SL047_02	Waterfall Creek - source to mouth	22.86	MILES
ID17060206SL047_02L	Terrace Lakes	7.95	ACRES
ID17060206SL047_03	Waterfall Creek - source to mouth	1.3	MILES
ID17060206SL048_01L	Airplane, Shoban and Sheepeater Lakes	23.72	ACRES
ID17060206SL048_02	Ship Island Creek - source to mouth	8.82	MILES
ID17060206SL048_02L	Ship Island Lake	85.63	ACRES
ID17060206SL049_02	Roaring Creek - source to mouth	8.76	MILES
ID17060206SL049_02L	Roaring Creek Lakes	11.22	ACRES
ID17060206SL049_03	Roaring Creek - source to mouth	4.37	MILES
ID17060206SL050_02	Goat Creek - source to mouth	9.23	MILES

17060207 Middle Salmon-Chamberlain

ID17060207SL009_02	Fivemile Creek - source to mouth	27.6	MILES
ID17060207SL011_02	Lemhi Creek - source to mouth	16.04	MILES
ID17060207SL012_02	Fall Creek - source to mouth	2.62	MILES
ID17060207SL013_02	Trout Creek - source to mouth	13.04	MILES
ID17060207SL014_02	Richardson Creek - source to mouth	14.52	MILES
ID17060207SL014_03	Richardson Creek - source to mouth	3.93	MILES
ID17060207SL015_02	Dillinger Creek - source to mouth	14.69	MILES
ID17060207SL016_02	Hot Springs Creek - source to mouth	9.61	MILES
ID17060207SL017_02	Big Bear Creek - source to mouth	11.74	MILES
ID17060207SL018_02	Salmon River - Horse Creek to Chamberlain Creek	43.69	MILES
ID17060207SL018_07	Salmon River - Horse Creek to Chamberlain Creek	11.86	MILES
ID17060207SL019_02	Chamberlain Creek - McCalla Creek to mouth	4.28	MILES
ID17060207SL019_05	Chamberlain Creek - McCalla Creek to mouth	4.21	MILES
ID17060207SL020_02	Chamberlain Creek - Game Creek to McCalla Creek	35.2	MILES
ID17060207SL020_04	Chamberlain Creek - Game Creek to McCalla Creek	11.93	MILES
ID17060207SL021_02	Queen Creek - source to mouth	8.93	MILES
ID17060207SL022_02	Game Creek - source to mouth	11.06	MILES
ID17060207SL023_02	West Fork Game Creek - source to mouth	11.87	MILES
ID17060207SL024_03	Chamberlain Creek - confluence of Rim and South Fork Chamber	5.55	MILES
ID17060207SL025_02	Flossie Creek - source to mouth	7.76	MILES
ID17060207SL026_02	Rim Creek - source to mouth	5.25	MILES
ID17060207SL027_02	South Fork Chamberlain Creek - source to mouth	5.75	MILES
ID17060207SL028_02	Moose Creek - source to mouth	12.68	MILES
ID17060207SL028_03	Moose Creek - source to mouth	1.87	MILES
ID17060207SL029_02	Lodgepole Creek - source to mouth	19.4	MILES

ID17060207SL029_03	Lodgepole Creek - source to mouth	3.57	MILES
ID17060207SL030_02	McCalla Creek - source to mouth	35.9	MILES
ID17060207SL030_03	McCalla Creek - source to mouth	8.79	MILES
ID17060207SL030_04	McCalla Creek - source to mouth	2.79	MILES
ID17060207SL032_02	Disappointment Creek - source to mouth	11.47	MILES
ID17060207SL032_03	Disappointment Creek - source to mouth	4.18	MILES
ID17060207SL033_02	Starvation Creek - source to mouth	7.25	MILES
ID17060207SL034_02	Hungry Creek - source to mouth	3.83	MILES
ID17060207SL035_02	Cottonwood Creek - source to mouth	44.16	MILES
ID17060207SL035_03	Cottonwood Creek - source to mouth	11.93	MILES
ID17060207SL036_02	Peak Creek - source to mouth	9.17	MILES
ID17060207SL041_02	Horse Creek - Little Horse Creek to mouth	20	MILES
ID17060207SL041_04	Horse Creek - Little Horse Creek to mouth	9.3	MILES
ID17060207SL045_03	East Fork Reynolds Creek - source to mouth	1.48	MILES
ID17060207SL046_02	Reynolds Creek - source to mouth	4.5	MILES
ID17060207SL047_02	West Horse Creek - source to mouth	19.14	MILES
ID17060207SL048_02	Little Squaw Creek - source to mouth	6.92	MILES
ID17060207SL049_02	Harrington Creek - source to mouth	16.85	MILES
ID17060207SL049_03	Harrington Creek - source to mouth	2.19	MILES
ID17060207SL050_02	Sabe Creek - Hamilton Creek to mouth	18.29	MILES
ID17060207SL050_04	Sabe Creek - Hamilton Creek to mouth	6.05	MILES
ID17060207SL051_02	Hamilton Creek - source to mouth	36.35	MILES
ID17060207SL051_03	Hamilton Creek - source to mouth	7.18	MILES
ID17060207SL052_02	Sabe Creek - source to Hamilton Creek	34.65	MILES
ID17060207SL052_03	Sabe Creek - source to Hamilton Creek	5.17	MILES
ID17060207SL053_02	Center Creek - source to mouth	3.82	MILES
ID17060207SL054_02	Rattlesnake Creek - source to mouth	13.49	MILES
ID17060207SL055_03	Bargamin Creek - source to mouth	5.24	MILES
ID17060207SL057_02	Prospector Creek - source to mouth	3.79	MILES
ID17060207SL058_02	Cache Creek - source to mouth	9.75	MILES
ID17060207SL059_02	Salt Creek - source to mouth	8.19	MILES
ID17060207SL060_02	Rainey Creek - source to mouth	6.86	MILES
ID17060207SL067_02	Crooked Creek - Lake Creek to mouth	22.12	MILES
ID17060207SL068_04	Crooked Creek - Big Creek to Lake Creek	1.55	MILES
ID17060207SL070_03	Lake Creek - source to mouth	3.44	MILES
ID17060207SL070_04	Lake Creek - source to mouth	5.9	MILES

ID17060207SL071_02	Arlington Creek - source to mouth	3.7	MILES
ID17060207SL075_02	Long Meadow Creek - source to mouth	8.76	MILES

17060208 South Fork Salmon

ID17060208SL008_02	Loon Creek - entire drainage	17.84	MILES
ID17060208SL021_02	Fourmile Creek - 1st and 2nd order	20.22	MILES
ID17060208SL030_02	Tamarack Creek - 1st and 2nd order	15.53	MILES
ID17060208SL035_02	Porphyry Creek - 1st and 2nd order	34.18	MILES
ID17060208SL035_03	Porphyry and Wolf Fang Creeks - 3rd order	4.1	MILES

17060209 Lower Salmon

ID17060209SL020_02L	Piper Lakes, Mary Lake, John Lake	10.04	ACRES
ID17060209SL021_01L	Upper Twin Lake, Partridge Creek Lake	9.8	ACRES
ID17060209SL021_0L	Paradise Lake	6.26	ACRES
ID17060209SL022_02L	Lava Butte Lakes	11.94	ACRES
ID17060209SL024_01L	French Creek Lakes, Mac Han Lakes	13.52	ACRES
ID17060209SL024_02L	Scribner Lake	11.54	ACRES
ID17060209SL041_02a	Slate Creek	9.43	MILES
ID17060209SL041_02L	Slate Lakes	9.73	ACRES

17060210 Little Salmon

ID17060210SL002_01L	Satan Lake	4.96	ACRES
ID17060210SL002_02L	Twin Lakes	6.37	ACRES
ID17060210SL003_02L	Hanson, Lower Cannon, Dog, Slide Rock and Horse Heaven Lakes	41.84	ACRES
ID17060210SL003_0L	Mirror Lake	8.11	ACRES
ID17060210SL012_02L	Twin Lakes	40.53	ACRES
ID17060210SL015_02L	Corral Creek Lakes	44.63	ACRES
ID17060210SL016_02L	Buck and Elk Lakes	23.33	ACRES

Southwest

17050105 South Fork Owyhee

ID17050105SW001_03	Unnamed 3rd order tributary to SF Owyhee River	1.25	MILES
ID17050105SW001_04	unnamed tributary to South Fork Owyhee River	1.34	MILES

17050107 Middle Owyhee

ID17050107SW001_03	Dukes Creek - 3rd order	1.21	MILES
ID17050107SW001_07	Owyhee River - South Fork Owyhee River to ID/OR border	9.04	MILES

17050111 North And Middle Fork Boise

ID17050111SW001_00L	Lake Creek - unnamed headwater lake	8.26	ACRES
ID17050111SW001_01L	Spangle Lakes	56.9	ACRES
ID17050111SW001_02L	Leggit Lake	18.91	ACRES
ID17050111SW001_03L	Lynx Creek Lakes	8.94	ACRES
ID17050111SW001_0L	Little Spangle Lake and Flytrip Creek headwater lakes	43.74	ACRES
ID17050111SW001_LL	Suprise Lakes	6.71	ACRES
ID17050111SW006_01L	Queens River - unnamed headwater lake	7.4	ACRES
ID17050111SW007_01L	Scenic Lake	15.06	ACRES
ID17050111SW007_02L	Browns Lake	22.73	ACRES
ID17050111SW010_02L	McKay Creek Lake	2.03	ACRES
ID17050111SW011_01L	Alidade Lake	6.05	ACRES
ID17050111SW011_02L	Johnson, Pats, Azure, Rock Island and Arrowhead Lakes	45.56	ACRES
ID17050111SW012_02L	Jennie Lake	4.77	ACRES

17050112 Boise-Mores

ID17050112SW005_03	Sheep and SF Sheep Creeks - 3rd order	6.95	MILES
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17050113 South Fork Boise

ID17050113SW019_03	Big Smoky Creek - 3rd order	9.43	MILES
ID17050113SW023_02L	Perkins Lake	10.11	ACRES
ID17050113SW028_01L	Rainbow Lakes, Heart Lake, Big Lookout Lake	33.14	ACRES

17050120 South Fork Payette

ID17050120SW005_00L	Benedict, Everly and Three Island Lakes	39.92	ACRES
ID17050120SW005_02L	Edna, Vernon, and Virginia Lakes	124.58	ACRES
ID17050120SW005_03L	Elk Lake	21.21	ACRES
ID17050120SW005_04L	Trail Creek Lakes	14.39	ACRES
ID17050120SW005_0L	Ardeth Lake	79.6	ACRES
ID17050120SW005_LL	Pinchot Creek unnamed headwater lakes	24.36	ACRES
ID17050120SW006_02	Goat Creek - entire drainage	13.01	MILES
ID17050120SW006_02L	Blue Rock, Packrat, and Oreamnos Lakes	36.45	ACRES
ID17050120SW007_01L	North Fork Baron Creek - unnamed headwater lakes	26.62	ACRES
ID17050120SW007_02	Baron and NF Baron Creeks - 1st and 2nd order	19.15	MILES
ID17050120SW007_02L	Baron Lakes	50.96	ACRES
ID17050120SW010_01L	Cat Lakes	7.08	ACRES
ID17050120SW011_02L	Red Mountain Lakes	6.12	ACRES
ID17050120SW013_02L	Unnamed lakes on south side of Red Mountain	13.15	ACRES

17050121 Middle Fork Payette

ID17050121SW008_03	Peace Creek - 3rd order (Valley Creek to mouth)	1.13	MILES
ID17050121SW009_03	Bull Creek - 3rd order (Sixteen-to-One Creek to mouth)	0.74	MILES

17050123 North Fork Payette

ID17050123SW010_01L	Fogg Lake	3.05	ACRES
ID17050123SW011_00L	Boulder Lake	78.2	ACRES
ID17050123SW017_02L	Blackwell Lake	33.54	ACRES
ID17050123SW018_02L	Brush Lake	165.14	ACRES
ID17050123SW020_02L	Twentymile Lakes	16.22	ACRES
ID17050123SW021_01L	Deep and Trail Lakes	40.38	ACRES
ID17050123SW022_02L	Horton Lake	5.71	ACRES

Upper Snake

17040104 Palisades

ID17040104SK012_03	North Fork Bear Creek - source to mouth	2.66	MILES
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17040202 Upper Henrys

ID17040202SK034_02L	Edwards and Clark Lakes	24.98	ACRES
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17040203 Lower Henrys

ID17040203SK011_04	Boundary Creek - Idaho/Wyoming border (T12N, R46E, Sec. 06)	5.66	MILES
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17040210 Raft

ID17040210SK007_02L	Independence Lakes	24.11	ACRES
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17040214 Beaver-Camas

ID17040214SK006_02L	Spring Creek Reservoir	8.13	ACRES
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17040217 Little Lost

ID17040217SK021_02L	Shadow Lakes	9.24	ACRES
ID17040217SK024_02L	Unnamed Lake - Big Creek	3.34	ACRES

17040218 Big Lost

ID17040218SK027_02L	North Fork Lakes	9.89	ACRES
ID17040218SK032_02L	Moose Lake	12.43	ACRES
ID17040218SK036_02L	Broad Canyon Lakes	41.18	ACRES

17040221 Little Wood

ID17040221SK020_02L	Windy Lakes	28.74	ACRES
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**Appendix E. Category 2—waters of the state fully supporting
those beneficial uses that were assessed.**

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2012 Integrated Report: Category 2: Waters Attaining Some Standards

2012 Integrated Report: Category 2: Full Support

Bear River

16010102 Central Bear

ID16010102BR007_02	Salt Creek - source to Idaho/Wyoming border	1.77	MILES
ID16010102BR007_02a	Giraffe Creek - headwaters to WY line	5.29	MILES

16010201 Bear Lake

ID16010201BR002_02b	Wood Canyon Creek - headwaters to groundwater	7.25	MILES
ID16010201BR006_02a	Beaver Creek	3.75	MILES
ID16010201BR006_02b	Fern Creek	2.15	MILES
ID16010201BR010_02a	Copenhagen Creek	12.36	MILES
ID16010201BR010_02b	Emigration Creek - HW to North Creek	7.56	MILES
ID16010201BR010_02c	Meadow Creek	3.14	MILES
ID16010201BR010_02d	upper North Creek - HW to Snyder Cr confluence	17.07	MILES
ID16010201BR010_03	North Creek - Emigration Creek to Liberty Creek	6.11	MILES
ID16010201BR011_02a	Mill Creek - HW to Liberty Creek	6.05	MILES
ID16010201BR014_02a	Bloomington Creek Forks	17.31	MILES
ID16010201BR014_03	lower Bloomington Creek	13.47	MILES
ID16010201BR014_03a	Bloomington Creek	2.57	MILES
ID16010201BR019_02a	Fish Haven Creek	13.32	MILES
ID16010201BR020_02c	Telephone Draw	2.76	MILES

16010202 Middle Bear

ID16010202BR003_02c	Sugar Creek	6.76	MILES
ID16010202BR004_02	Cub River - source to Sugar Creek	30.18	MILES
ID16010202BR004_02a	Foster Creek	5.55	MILES
ID16010202BR004_03	Cub River - 2 order source to Sugar Creek	7.35	MILES
ID16010202BR005_02a	Worm Creek (upper)	11.27	MILES
ID16010202BR007_02b	Mink Creek	1.76	MILES
ID16010202BR014_02a	Divide Creek	4.33	MILES
ID16010202BR014_02d	Jacobson Creek	7.61	MILES
ID16010202BR014_03	Cottonwood Creek - source to Oneida Narrows Reservoir	5.83	MILES
ID16010202BR017_02a	Oxford Creek	3.51	MILES
ID16010202BR018_02a	Gooseberry Creek	14.44	MILES
ID16010202BR018_03a	Stockton Creek	6.08	MILES

2012 Integrated Report: Category 2: Full Support

ID16010202BR020_02b	Dry Canyon	14.17	MILES
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16010203 Little Bear-Logan

ID16010203BR001_02	Beaver Creek - source to Idaho/Utah border	11.98	MILES
ID16010203BR002_02c	Boss Canyon	2.11	MILES

16010204 Lower Bear-Malad

ID16010204BR001_02a	Two Mile Canyon	7.31	MILES
ID16010204BR002_02b	New Canyon Creek	12.94	MILES
ID16010204BR002_02d	Devil Creek	26.28	MILES
ID16010204BR006_02b	Second Creek	5.19	MILES

Clearwater

17060108 Palouse

ID17060108CL016_04	Palouse River - Strychnine Creek to Hatter Creek	16.13	MILES
ID17060108CL017_02	Flat Creek - source to mouth	21.55	MILES
ID17060108CL018_02	Palouse River - source to Strychnine Creek	26.26	MILES
ID17060108CL019_02	Little Sand Creek - source to mouth	10.52	MILES
ID17060108CL019_03	Little Sand Creek - source to mouth	2.21	MILES
ID17060108CL020_02	Big Sand Creek - source to mouth	13.71	MILES
ID17060108CL021_02	North Fork Palouse River - source to mouth	13.97	MILES
ID17060108CL022_02	Strychnine Creek - source to mouth	12.57	MILES
ID17060108CL022_03	Strychnine Creek - source to mouth	2.04	MILES
ID17060108CL023_03	Meadow Creek - East Fork Meadow Creek to mouth	2.76	MILES
ID17060108CL024_02	East Fork Meadow Creek - source to mouth	19.9	MILES
ID17060108CL025_02	Meadow Creek - source to East Fork Meadow Creek	16.24	MILES
ID17060108CL026_02	White Pine Creek - source to mouth	3.88	MILES
ID17060108CL028_02	Jerome Creek - source to mouth	6.56	MILES

17060302 Lower Selway

ID17060302CL001_02	Selway River - O'Hara Creek to mouth	21.97	MILES
ID17060302CL002_02	Goddard Creek - source to mouth	16.52	MILES
ID17060302CL003_02	O'Hara Creek - confluence of West and East Fork O'Hara Creek	43.57	MILES
ID17060302CL003_03	O'Hara Creek - confluence of West and East Fork O'Hara Creek	6.37	MILES
ID17060302CL003_04	O'Hara Creek - confluence of Hamby Fork to mouth	4.43	MILES
ID17060302CL006_02	Twentythree, Nineteen Mile Creeks and tribs.	27.13	MILES
ID17060302CL006_02a	Island Creek - source to mouth	6.5	MILES

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ID17060302CL006_02b	Slide Creek - source to mouth	4.17	MILES
ID17060302CL007_03	Falls Creek - source to mouth	4.35	MILES
ID17060302CL008_04	Meadow Creek - Buck Lake Creek to mouth	10.31	MILES
ID17060302CL012_04	Meadow Creek - East Fork Meadow Creek to Buck Lake Creek	11.62	MILES
ID17060302CL013_02	Butte Creek - source to mouth	9.98	MILES
ID17060302CL014_03	Sable Creek - source to mouth	3.55	MILES
ID17060302CL015_02	Simmons Creek - source to mouth	10.9	MILES
ID17060302CL022_02	Selway River - Moose Creek to Meadow Creek	98.25	MILES
ID17060302CL050_04	Gedney Creek - West Fork Gedney Creek to mouth	3.47	MILES
ID17060302CL053_02	Glover Creek - source to mouth	11.69	MILES
ID17060302CL054_02	Boyd Creek - source to mouth	8.84	MILES
ID17060302CL055_02	Rackliff Creek - source to mouth	9.39	MILES

17060303

Lochsa

ID17060303CL004_03	Coolwater Creek - source to mouth	2.41	MILES
ID17060303CL006_03	Split Creek - source to mouth	1.08	MILES
ID17060303CL009_02	Holly Creek - and tributaries	65.94	MILES
ID17060303CL010_02	Boulder Creek - source to mouth	41.17	MILES
ID17060303CL010_04	Boulder Creek - source to mouth	4.01	MILES
ID17060303CL011_02	Stanley Creek - source to mouth	14.68	MILES
ID17060303CL012_02	Eagle Mountain Creek - source to mouth	7.11	MILES
ID17060303CL013_02	Lochsa River- Warm Springs Creek to Indian Grave Creek	30.21	MILES
ID17060303CL017_03	Warm Springs Creek - Wind Lakes Creek to mouth	6.16	MILES
ID17060303CL020_02	Robin Creek - and tributaries	13.56	MILES
ID17060303CL023_02	Walton Creek - source to mouth	12.57	MILES
ID17060303CL026_02	Colt Creek - source to mouth	23.61	MILES
ID17060303CL027_02	Hoodoo, Muleshoe, Bridge Creeks	20.6	MILES
ID17060303CL028_02	Swamp Creek - source to mouth	13.91	MILES
ID17060303CL032_03	Storm Creek - source to mouth	4.82	MILES
ID17060303CL035_02	Pack Creek and tributaries	30.68	MILES
ID17060303CL035_03	Brushy Fork - Spruce Creek to mouth	5.75	MILES
ID17060303CL036_02	Spruce Creek - source to mouth	19.11	MILES
ID17060303CL038_02	Haskell Creek - and tributaries	29.96	MILES
ID17060303CL038_03	Crooked Fork - source to Brushy Fork	4.96	MILES
ID17060303CL039_03	Hopeful Creek - source to mouth	2.18	MILES
ID17060303CL040_02	Fox Creek - source to mouth, and tributaries	22.63	MILES

2012 Integrated Report: Category 2: Full Support

ID17060303CL040_03	Boulder Creek - source to mouth	3.32	MILES
ID17060303CL041_02	Papoose Creek - source to mouth	17.75	MILES
ID17060303CL041_03	Papoose Creek - source to mouth	1.89	MILES
ID17060303CL042_02	Parachute Creek - source to mouth	5.45	MILES
ID17060303CL043_02	Wendover Creek - source to mouth	5.67	MILES
ID17060303CL044_02	Badger Creek - source to mouth	5.19	MILES
ID17060303CL045_03	Waw'aalamnime Creek - source to mouth	3.66	MILES
ID17060303CL047_02	Doe Creek - source to mouth	8.97	MILES
ID17060303CL048_02	Post Office Creek - source to mouth	20.06	MILES
ID17060303CL048_03	Post Office Creek - 3rd order segment	0.69	MILES
ID17060303CL049_03	Weir Creek - 3rd order segment	1.86	MILES
ID17060303CL050_02	Indian Grave Creek - source to mouth	15.4	MILES
ID17060303CL051_03	Bald Mountain Creek - source to mouth	3.15	MILES
ID17060303CL052_02	Fish Creek - Hungry Creek to mouth	7.89	MILES
ID17060303CL052_04	Fish Creek - Hungry Creek to mouth	4.71	MILES
ID17060303CL057_02	Fish Creek - headwaters and tributaries	48.42	MILES
ID17060303CL057_03	Fish Creek - source to Hungry Creek	8.42	MILES
ID17060303CL058_02	Bimerick Creek - source to mouth	15.43	MILES
ID17060303CL059_03	Deadman Creek - East Fork Deadman Creek to mouth	2.17	MILES
ID17060303CL062_02	Canyon Creek - source to mouth	26.44	MILES
ID17060303CL065_02	Pete King Creek - source to Walde Creek	11.92	MILES

17060304 Middle Fork Clearwater

ID17060304CL001_02	Middle Fork Clearwater River - confluence of Lochsa	89.42	MILES
ID17060304CL002_04	Clear Creek - South Fork Clear Creek to mouth	11.71	MILES
ID17060304CL006_02	Clear Creek - source to South Fork Clear Creek	8.79	MILES
ID17060304CL006_04	Clear Creek - source to South Fork Clear Creek	2.12	MILES
ID17060304CL007_02	Middle Fork Clear Creek - source to mouth	11.39	MILES
ID17060304CL008_02	Browns Spring Creek - source to mouth	7.55	MILES
ID17060304CL009_02	Pine Knob Creek - source to mouth	5.33	MILES
ID17060304CL010_02	Lodge Creek - source to mouth	5.41	MILES
ID17060304CL011_02	Maggie Creek - source to mouth	27.72	MILES

17060305 South Fork Clearwater

ID17060305CL052L_00	Lucas Lake	0.92	ACRES
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17060306 Clearwater

2012 Integrated Report: Category 2: Full Support

ID17060306CL001_07	Lower Granite Dam pool	5.11	MILES
ID17060306CL002_07	Clearwater River - Potlatch River to Lower Granite Dam Pool	10.08	MILES
ID17060306CL005_04	Sweetwater Creek - Webb Creek to mouth	3.69	MILES
ID17060306CL008_03	Lapwai Creek - Winchester Lake to Sweetwater Creek	16.48	MILES
ID17060306CL008_04	Lapwai Creek - Winchester Lake to Sweetwater Creek	3.58	MILES
ID17060306CL011_03	Mission Creek - source to mouth	18.12	MILES
ID17060306CL014_03	Cottonwood Creek - source to mouth	13.02	MILES
ID17060306CL015_02	Jacks Creek - source to mouth	25.84	MILES
ID17060306CL018_04	Little Canyon Creek - confluence of Holes and Long Hollow Cr	18.57	MILES
ID17060306CL022_02	Clearwater River - confluence of South and Middle Fork Clear	105.1	MILES
ID17060306CL022_03	Clearwater River - confluence of South and Middle Fork Clear	6.36	MILES
ID17060306CL024_04	Lawyer Creek - source to mouth	37.98	MILES
ID17060306CL026_02	Lolo Creek - Yakus Creek to mouth	72.21	MILES
ID17060306CL026_04	Lolo Creek - Yakus Creek to mouth	26.43	MILES
ID17060306CL027_02	Yakus Creek - source to mouth	20.62	MILES
ID17060306CL028_02	Lolo Creek - source to Yakus Creek	37.72	MILES
ID17060306CL028_03	Lolo Creek - source to Yakus Creek	5.09	MILES
ID17060306CL028_04	Lolo Creek - source to Yakus Creek	14.06	MILES
ID17060306CL029_03	Eldorado Creek - 3rd Order	6.46	MILES
ID17060306CL030_02	Yoosa Creek - source to mouth	26.7	MILES
ID17060306CL030_03	Yoosa Creek - source to mouth	2.79	MILES
ID17060306CL039_02	Shanghai Creek - and tributaries	144.8	MILES
ID17060306CL046_02	Cedar Creek - headwaters	48.61	MILES
ID17060306CL047_02	Boulder Creek - headwaters	18.64	MILES
ID17060306CL051_02	East Fork Potlatch River - source to mouth	51.56	MILES
ID17060306CL051_03	East Fork Potlatch River - Mallory Creek to Ruby Creek	11.03	MILES
ID17060306CL052_02	Ruby Creek - headwaters	17.21	MILES
ID17060306CL057_02	East Fork Big Bear Creek - source to mouth	46.72	MILES
ID17060306CL060_03	Little Bear Creek - 3rd order main stem	9.79	MILES
ID17060306CL060_04	Little Bear Creek - 4th order main stem	4.67	MILES
ID17060306CL064_03	Little Potlatch Creek - source to mouth	10.82	MILES

17060307 Upper North Fork Clearwater

ID17060307CL001_02b	Sheep Creek	6.89	MILES
ID17060307CL002_02	Deadhorse, Dead Mule Creeks and tribs	29.24	MILES
ID17060307CL002_02a	Flat Creek	9.72	MILES

2012 Integrated Report: Category 2: Full Support

ID17060307CL003_02	Moose, Lodge, Rettig, Tepee Creeks	42.61	MILES
ID17060307CL003_03	Washington Creek - source to mouth	8.87	MILES
ID17060307CL004_02	Siwash, Cave Creeks and tribs	21.59	MILES
ID17060307CL007_02b	Hem Creek - source to mouth	9.97	MILES
ID17060307CL007_03	French Creek - Sylvan Creek to mouth	2.12	MILES
ID17060307CL010_02	Hemlock Creek - source to mouth	39.52	MILES
ID17060307CL011_04	Weitas Creek - Windy Creek to Hemlock Creek	10.32	MILES
ID17060307CL020_02	Lookout, Monroe Creek - source to mouth	22.49	MILES
ID17060307CL029_02	Little Moose Creek - source to mouth	21.21	MILES
ID17060307CL031_02	Moose Creek - source to Osier Creek	21.71	MILES
ID17060307CL032_02b	Pete Ott, Hidden, Fix, Stolen Creeks	22.39	MILES
ID17060307CL035_02	Long Creek - source to mouth	24.49	MILES
ID17060307CL039_02	Elizabeth Creek - source to mouth	8.86	MILES
ID17060307CL042_02	Larson Creek - source to mouth	9.01	MILES
ID17060307CL043_02	Rock Creek - source to mouth	15.88	MILES
ID17060307CL044_02b	Upper Quartz Creek and Tributaries	26.84	MILES
ID17060307CL044_03	Quartz Creek - Wolf Creek to mouth	6.22	MILES
ID17060307CL046_04	Skull Creek - Collins Creek to mouth	3.9	MILES
ID17060307CL047_02	Snow Creek and tribs	41.59	MILES
ID17060307CL047_04	Skull Creek - source to Collins Creek	5.06	MILES

17060308 Lower North Fork Clearwater

ID17060308CL009_02a	South Fork Beaver Creek - source to mouth	8.23	MILES
ID17060308CL009_02b	Bertha Creek - source to mouth	2.72	MILES
ID17060308CL009_02d	Sourdough Creek	5.69	MILES
ID17060308CL010_02a	Dog Creek - source to mouth	3.88	MILES
ID17060308CL010_02b	Goat Creek - and tributaries	15.14	MILES
ID17060308CL010_02c	Fern Creek - and tributaries	8.44	MILES
ID17060308CL017_02	Little North Fork Clearwater River -source to Rutledge Creek	11.41	MILES
ID17060308CL018_03	Little North Fork Clearwater River - source to Rutledge Cr.	5.17	MILES
ID17060308CL022_03	Glover Creek -source to mouth	2.6	MILES
ID17060308CL024_02	Isabella Creek - source to mouth	14.18	MILES
ID17060308CL030_02	Elk Creek tributaries inc. Morris, Deer, Pete Cr	20.17	MILES
ID17060308CL030_02a	West Fork Elk Creek - source to Elk Creek	3.5	MILES
ID17060308CL030_02b	Elk Creek - headwaters	16.52	MILES
ID17060308CL030_02c	Johnson Creek - source to mouth	3.27	MILES

2012 Integrated Report: Category 2: Full Support

ID17060308CL030_03	Elk Creek - source to Elk Creek Reservoir	7.59	MILES
ID17060308CL030_03L	Elk Creek Reservoir	75.67	ACRES

Panhandle

17010101 Upper Kootenai

ID17010101PN001_02	Star Creek - source to Idaho/Montana border	13.99	MILES
ID17010101PN002_02	North Callahan Creek - source to Idaho/Montana border	28.35	MILES
ID17010101PN002_03	North Callahan Creek - source to Idaho/Montana border	6	MILES
ID17010101PN003_03	South Callahan Creek - Glad Creek to Idaho/Montana border	1.72	MILES
ID17010101PN004_02	South Callahan Creek - source to Glad Creek	6.45	MILES
ID17010101PN005_02	Glad Creek - source to mouth	7.62	MILES
ID17010101PN005_03	Glad Creek - source to mouth	0.54	MILES
ID17010101PN006_02	Keeler Creek - source to Idaho/Montana border	2.18	MILES

17010104 Lower Kootenai

ID17010104PN005_02	Tribs to Smith Creek - Cow Creek to Kootenai R.	4.61	MILES
ID17010104PN006_02a	Beaver Creek - headwaters to Cow Creek	7.07	MILES
ID17010104PN007_02	Smith Creek - source to Cow Creek	26.38	MILES
ID17010104PN009_02	Parker Creek - upper portion, forested	22.03	MILES
ID17010104PN010_02	Trout Creek - tribs to Trout Creek	15.26	MILES
ID17010104PN012_02	Lost Creek and unnamed stream segments	5.3	MILES
ID17010104PN013_02	Tributaries to Myrtle Creek	30.96	MILES
ID17010104PN016_02	Upper Snow Creek	12.28	MILES
ID17010104PN020_02	Ruby Creek - Upper, headwaters to Gold Creek	11.99	MILES
ID17010104PN021_02	Fall Creek - upper, headwaters and tribs to Fall Creek	28.88	MILES
ID17010104PN024_02	Dodge Creek	4.65	MILES
ID17010104PN026_02	1st & 2nd order tribs to Trail Creek - including Cone Creek	19.65	MILES
ID17010104PN028_02	Twentymile Creek - source to mouth	11.92	MILES
ID17010104PN030_02	Cow Creek - Headwaters including Cabin Creek and Brush Creek	29.14	MILES
ID17010104PN032_02	Gable Creek - source to mouth	10.77	MILES
ID17010104PN033_02	Boulder Creek - source to East Fork Boulder Creek	37.33	MILES
ID17010104PN033_03	Boulder Creek - Pinochle Creek to East Fork Boulder Creek	9.75	MILES
ID17010104PN034_02	East Fork Boulder Creek - source to mouth	18.21	MILES
ID17010104PN040_02	Mission Creek - tributaries to Mission Creek	9.94	MILES

17010105 Moyie

2012 Integrated Report: Category 2: Full Support

ID17010105PN005_02	Moyie River - Round Prairie Creek to Meadow Creek	34.64	MILES
ID17010105PN010_02	Round Prairie Creek - source to Gillon Creek	18.64	MILES

17010214 Pend Oreille Lake

ID17010214PN009L_0L	Spirit Lake	1542.31	ACRES
ID17010214PN010_02	Brickel Creek - Idaho/Washington border to mouth	27.8	MILES
ID17010214PN029_02	Strong Creek - source to mouth	7.47	MILES
ID17010214PN033_02	Rapid Lightning Creek, Upper	46	MILES
ID17010214PN054_02	Syringa Creek - Upper, 1st and 2nd order tribs	14.68	MILES
ID17010214PN055_03	Carr Creek - Lower	2.51	MILES
ID17010214PN057_02	Smith Creek - Headwaters to Pend Oreille River	8.64	MILES
ID17010214PN059_02	Riley Creek Tributaries	11.64	MILES
ID17010214PN060_02	Manley Creek -Headwaters to Riley Creek	5.85	MILES

17010215 Priest

ID17010215PN006_02	Priest Lake	36.09	MILES
ID17010215PN008_02	Soldier Creek - source to mouth	24.59	MILES
ID17010215PN009_02	Hunt Creek - source to mouth	18.53	MILES
ID17010215PN015_02	Caribou Creek - source to mouth	27.4	MILES
ID17010215PN015_03	Caribou Creek - source to mouth	7.67	MILES
ID17010215PN016_02	01 & 02 Tribs to Upper Priest Lake	6.35	MILES
ID17010215PN018_03	Upper Priest River - Idaho/Canadian border to mouth	18.7	MILES
ID17010215PN019_03	Hughes Fork - source to mouth	6.61	MILES
ID17010215PN019_04	Hughes Fork - source to mouth	3.33	MILES
ID17010215PN021_02	Tango Creek - source to mouth	3.26	MILES
ID17010215PN022_02	Granite Creek - Idaho/Washington border to mouth	103.69	MILES
ID17010215PN022_03	Granite Creek - Idaho/Washington border to mouth	10.44	MILES
ID17010215PN029_03	Quartz Creek - source to mouth	3.2	MILES

17010301 Upper Coeur d Alene

ID17010301PN025_02	Downey Creek - Headwaters to mainstem Downey Creek	10.21	MILES
ID17010301PN025_03	Downey Creek - lower	2.34	MILES
ID17010301PN038_02	Skookum Creek headwaters and tributaries	7.63	MILES

17010302 South Fork Coeur d Alene

ID17010302PN003_02	West Fork Pine Creek - source to Pine Creek	31.5	MILES
ID17010302PN005_02	Hunter Creek - source to mouth	6.85	MILES
ID17010302PN013_03	South Fork Coeur d'Alene River - source to Daisy Gulch	1.12	MILES

2012 Integrated Report: Category 2: Full Support

ID17010302PN019_02	West Fork Moon Creek - source to mouth	4.28	MILES
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17010303 Coeur d Alene Lake

ID17010303PN005_03	Fighting Creek - source to mouth	0.64	MILES
ID17010303PN006_03	Lake Creek - Idaho/Washington border to mouth	3.89	MILES
ID17010303PN006_04	Lake Creek - Idaho/Washington border to mouth	7.35	MILES
ID17010303PN025_02	Thompson Creek	6.12	MILES
ID17010303PN027_02	Turner Creek - source to mouth	5.13	MILES
ID17010303PN032_03	Fernan Creek - Fernan Lake to mouth	0.74	MILES

17010304 St. Joe

ID17010304PN007_03	St. Maries River - Santa Creek to mouth	0.2	MILES
ID17010304PN020_02	Merry Creek - source to mouth	26.47	MILES
ID17010304PN021_02	Childs Creek - source to mouth	8.51	MILES
ID17010304PN025_02	Beaver Creek - source to mouth	11.99	MILES
ID17010304PN028_02	Bond Creek - source to mouth	27.08	MILES
ID17010304PN028_03	Bond Creek - source to mouth	5.2	MILES
ID17010304PN029_02	Hugus Creek- source to mouth	15.2	MILES
ID17010304PN031_03	Marble Creek - Hobo Creek to mouth	2.67	MILES
ID17010304PN032_02	Eagle Creek - source to mouth	11.83	MILES
ID17010304PN033_02a	Bussel Creek, Lines Creek, Norton Creek and Toles Creek	20.25	MILES
ID17010304PN033_03	Bussel Creek - source to mouth	3.8	MILES
ID17010304PN034_02	Hobo Creek - source to mouth	9.46	MILES
ID17010304PN035_03	Marble Creek - source to Hobo Creek	7.85	MILES
ID17010304PN036_02	Homestead Creek - source to mouth	12.38	MILES
ID17010304PN037_02	Daveggio Creek - source to mouth	10.3	MILES
ID17010304PN037_03	Daveggio Creek - source to mouth	1.84	MILES
ID17010304PN038_03	Boulder Creek - source to mouth	2.7	MILES
ID17010304PN039_02	Fishhook Creek - source to mouth	51.28	MILES
ID17010304PN040_02	Siwash Creek - source to mouth	9.31	MILES
ID17010304PN041_02	Tributaries to St. Joe River- Headwaters to NF St. Joe River	141.96	MILES
ID17010304PN041_04	St. Joe River - source to North Fork St. Joe River	59.51	MILES
ID17010304PN042_02	Sisters Creek - source to mouth	48.96	MILES
ID17010304PN042_03	Sisters Creek - source to mouth	4.58	MILES
ID17010304PN043_02	Prospector Creek - source to mouth	6.77	MILES
ID17010304PN044_02	Nugget Creek - source to mouth	8.6	MILES
ID17010304PN046_02	Mosquito Creek - source to mouth	10.49	MILES

2012 Integrated Report: Category 2: Full Support

ID17010304PN047_02	Fly Creek - source to mouth	6	MILES
ID17010304PN048_02	Beaver Creek - source to mouth	10.79	MILES
ID17010304PN050_02	Timber Creek - source to mouth	6.55	MILES
ID17010304PN051_02	Red Ives Creek - source to mouth	12.69	MILES
ID17010304PN055_02	Quartz Creek - source to mouth	18.24	MILES
ID17010304PN055_03	Quartz Creek - source to mouth	2.5	MILES
ID17010304PN056_02	Eagle Creek - source to mouth	12.93	MILES
ID17010304PN057_02	Bird Creek - source to mouth	15.62	MILES
ID17010304PN058_02	Skookum Creek - source to mouth	12.53	MILES
ID17010304PN059_02	North Fork St. Joe River - Loop Creek to mouth	27.81	MILES
ID17010304PN061_02	North Fork St. Joe River - source to Loop Creek	31.99	MILES
ID17010304PN061_03	North Fork St. Joe River - source to Loop Creek	7.23	MILES
ID17010304PN064_03	Trout Creek - source to mouth	5.82	MILES
ID17010304PN066_02	Reeds Gulch Creek - source to mouth	4.76	MILES
ID17010304PN067_02	Rochat Creek - source to St. Joe River	8.53	MILES

17010305 Upper Spokane

ID17010305PN012_02	Rathdrum Creek - Twin Lakes to mouth	7.37	MILES
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Salmon

17060101 Hells Canyon

ID17060101SL004_02	Deep Creek - 1st and 2nd order	20.88	MILES
ID17060101SL004_03	Deep Creek - 3rd order (Lake Creek to mouth)	6.78	MILES
ID17060101SL023_02	Getta Creek - source to mouth	26.95	MILES

17060103 Lower Snake-Asotin

ID17060103SL007_02	Corral Creek - source to mouth	12.11	MILES
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17060201 Upper Salmon

ID17060201SL002_03	Morgan Creek - West Creek to mouth	7.22	MILES
ID17060201SL003_02	Morgan Creek - source to West Creek	74.98	MILES
ID17060201SL003_03	Morgan Creek - source to West Creek	7.68	MILES
ID17060201SL004_02	West Creek - Blowfly Creek to mouth	8.31	MILES
ID17060201SL005_02	Blowfly Creek - source to mouth	3.11	MILES
ID17060201SL006_02	West Fork Morgan Creek - source to Blowfly Creek	7.46	MILES
ID17060201SL008_03	Darling Creek - source to mouth	4.45	MILES
ID17060201SL009_02	Challis Creek - Bear Creek to Darling Creek	19.72	MILES

2012 Integrated Report: Category 2: Full Support

ID17060201SL010_02	Eddy Creek - source to mouth	20.62	MILES
ID17060201SL011_02	Bear Creek - source to mouth	18.14	MILES
ID17060201SL012_02	Challis Creek - source to Bear Creek	27.53	MILES
ID17060201SL012_03	Challis Creek - source to Bear Creek	3.29	MILES
ID17060201SL013_02	Mill Creek - source to mouth	24.96	MILES
ID17060201SL013_03	Mill Creek - 3rd order	9.66	MILES
ID17060201SL015_02	Garden Creek - source to mouth	44.83	MILES
ID17060201SL016_02	Salmon River - East Fork Salmon River to Garden Creek	91.39	MILES
ID17060201SL017_02	Bayhorse Creek - source to mouth	24.86	MILES
ID17060201SL017_03	Bayhorse Creek - source to mouth	5.01	MILES
ID17060201SL019_02	Salmon River - Squaw Creek to East Fork Salmon River	28.04	MILES
ID17060201SL019_05	Salmon River - Squaw Creek to East Fork Salmon River	8.15	MILES
ID17060201SL020_02	Kinnikinic Creek - source to mouth	18.48	MILES
ID17060201SL021_02	Squaw Creek - Cash Creek to mouth	18.88	MILES
ID17060201SL021_04	Squaw Creek - Cash Creek to mouth	7.79	MILES
ID17060201SL022_02	Cash Creek - source to mouth	11.56	MILES
ID17060201SL025_02	Cinnabar Creek - source to mouth	12.65	MILES
ID17060201SL028_02	Thompson Creek - source to mouth	24.63	MILES
ID17060201SL028_03	Thompson Creek - source to mouth	8.93	MILES
ID17060201SL030_02	Buckskin Creek - source to mouth	2.85	MILES
ID17060201SL031_02	Salmon River - Yankee Fork Creek to Thompson Creek	50.16	MILES
ID17060201SL031_03	Salmon River - Yankee Fork Creek to Thompson Creek	4.02	MILES
ID17060201SL031_05	Salmon River - Yankee Fork Creek to Thompson Creek	13.83	MILES
ID17060201SL032_02	Yankee Fork Creek - Jordan Creek to mouth	20.31	MILES
ID17060201SL032_04	Yankee Fork Creek - Jordan Creek to mouth	8.98	MILES
ID17060201SL033_03	Ramey Creek - source to mouth	1.48	MILES
ID17060201SL034_02	Yankee Fork Creek - source to Jordan Creek	50.54	MILES
ID17060201SL034_03	Yankee Fork Creek - source to Jordan Creek	6.23	MILES
ID17060201SL034_04	Yankee Fork Creek - source to Jordan Creek	7.04	MILES
ID17060201SL035_02	Fivemile Creek - source to mouth	11.38	MILES
ID17060201SL036_02	Elevenmile Creek - source to mouth	4.2	MILES
ID17060201SL037_02	McKay Creek - source to mouth	9.02	MILES
ID17060201SL038_02	Twentymile Creek - source to mouth	3.6	MILES
ID17060201SL039_02	Tenmile Creek - source to mouth	5.15	MILES
ID17060201SL040_02	Eightmile Creek - source to mouth	19.12	MILES
ID17060201SL040_03	Eightmile Creek - source to mouth	3.53	MILES

2012 Integrated Report: Category 2: Full Support

ID17060201SL041_03	Jordan Creek - from and including Unnamed Tributary	1.36	MILES
ID17060201SL042_03	Jordan Creek - source to Unnamed Tributary	2.64	MILES
ID17060201SL047_02	Salmon River - Valley Creek to Yankee Fork Creek	39.99	MILES
ID17060201SL049_02	East Basin Creek - source to mouth	11.42	MILES
ID17060201SL050_02	Basin Creek - source to East Basin Creek	54.02	MILES
ID17060201SL050_03	Basin Creek - source to East Basin Creek	6.75	MILES
ID17060201SL051_04	Valley Creek - Trap Creek to mouth	6.87	MILES
ID17060201SL053_03	Valley Creek - source to Trap Creek	10.3	MILES
ID17060201SL055_02	Trap Creek - source to Meadow Creek	8.59	MILES
ID17060201SL057_02	Elk Creek - source to mouth	24.92	MILES
ID17060201SL058_02	Stanley Creek - source to mouth	23.22	MILES
ID17060201SL060_02	Iron Creek - source to mouth	10.06	MILES
ID17060201SL065_02	Fishhook Creek - source to mouth	15.56	MILES
ID17060201SL068_02	Salmon River	23.44	MILES
ID17060201SL068_05	Salmon River	9.14	MILES
ID17060201SL069_02	Decker Creek - Huckleberry Creek to mouth	14.26	MILES
ID17060201SL069_03	Decker Creek - Huckleberry Creek to mouth	0.35	MILES
ID17060201SL069_04	Decker Creek - Huckleberry Creek to mouth	0.3	MILES
ID17060201SL070_02	Decker Creek - source to Huckleberry Creek	6.22	MILES
ID17060201SL071_02	Huckleberry Creek - source to mouth	5.99	MILES
ID17060201SL073_05	Salmon River - Alturas Lake Creek to Fisher Creek	5.11	MILES
ID17060201SL074_02	Hell Roaring Creek - source to mouth	12.2	MILES
ID17060201SL075_03	Alturas Lake Creek - Alturas Lake to mouth	3.86	MILES
ID17060201SL080_03	Alpine Creek - source to mouth	3.28	MILES
ID17060201SL081_02	Salmon River - source to Alturas Lake Creek	51.04	MILES
ID17060201SL081_03	Salmon River - source to Alturas Lake Creek	11.87	MILES
ID17060201SL081_04	Salmon River - source to Alturas Lake Creek	10.98	MILES
ID17060201SL082_02	Beaver Creek - source to mouth	20.4	MILES
ID17060201SL083_02	Smiley Creek - source to mouth	15.54	MILES
ID17060201SL083_03	Smiley Creek - source to mouth	7.61	MILES
ID17060201SL085_02	Pole Creek - source to mouth	26.1	MILES
ID17060201SL085_03	Pole Creek - source to mouth	5.29	MILES
ID17060201SL087_02	Fourth of July Creek - source to mouth	16.74	MILES
ID17060201SL087_03	Fourth of July Creek - source to mouth	8.76	MILES
ID17060201SL088_02	Fisher Creek - source to mouth	19.43	MILES
ID17060201SL090_02	Gold Creek - source to mouth	10.06	MILES

2012 Integrated Report: Category 2: Full Support

ID17060201SL091_02	Little Casino Creek - source to mouth	10.24	MILES
ID17060201SL092_02	Big Casino Creek - source to mouth	13.72	MILES
ID17060201SL093_02	Rough Creek - source to mouth	8.79	MILES
ID17060201SL094_03	Warm Springs Creek - Swimm Creek to mouth	7.19	MILES
ID17060201SL099_03	Slate Creek - source to mouth	4.7	MILES
ID17060201SL105_02	Big Boulder Creek - source to mouth	22.45	MILES
ID17060201SL105_03	Big Boulder Creek - source to mouth	9.32	MILES
ID17060201SL106_02	Little Boulder Creek - source to mouth	18.45	MILES
ID17060201SL107_03	Germania Creek - Chamberlain Creek to mouth	4.68	MILES
ID17060201SL109_02	Germania Creek - source to Chamberlain Creek	42.95	MILES
ID17060201SL110_04	East Fork Salmon River - confluence of South and West Fork	4.46	MILES
ID17060201SL114_02	West Pass Creek - source to mouth	25.23	MILES
ID17060201SL114_03	West Pass Creek - source to mouth	3.91	MILES
ID17060201SL118_04	Herd Creek-confluence of West Fork Herd Creek and East Pass	7.46	MILES
ID17060201SL123_02	Lake Creek - source to mouth	21.38	MILES

17060202

Pahsimeroi

ID17060202SL019_03	Mahogany Creek - source to mouth	2.96	MILES
ID17060202SL020_03	Pahsimeroi River	2.97	MILES
ID17060202SL022_02	East Fork Pahsimeroi River - source to mouth	39.78	MILES
ID17060202SL024_02	Burnt Creek - source to Long Creek	23.24	MILES
ID17060202SL028_03	Goldburg Creek - Donkey Creek to mouth	9.39	MILES
ID17060202SL031_02	Big Creek	24.31	MILES
ID17060202SL032_02	South Fork Big Creek - source to mouth	27.9	MILES
ID17060202SL033_02	North Fork Big Creek - source to mouth	30.02	MILES
ID17060202SL035_02	Patterson Creek - source to and including Inyo Creek	28.37	MILES
ID17060202SL035_03	Patterson Creek - source to and including Inyo Creek	1.26	MILES
ID17060202SL036_02	Falls Creek - source to mouth	39.29	MILES
ID17060202SL038_03	Morse Creek - source to Irrigation junction (T15S, R23E)	3.8	MILES

17060203

Middle Salmon-Panther

ID17060203SL001_02	Salmon River - Panther Creek to Middle Fork Salmon River	29.71	MILES
ID17060203SL002_05	Panther Creek - Big Deer Creek to mouth	12.97	MILES
ID17060203SL003_02	Garden Creek - source to mouth	13.93	MILES
ID17060203SL004_02	Clear Creek - source to mouth	40.74	MILES
ID17060203SL006_03	Big Deer Creek - source to South Fork Big Deer Creek	8.24	MILES
ID17060203SL009_02	Bucktail Creek - source to mouth	1.82	MILES

2012 Integrated Report: Category 2: Full Support

ID17060203SL010_02	Panther Creek - Napias Creek to Big Deer Creek	21.16	MILES
ID17060203SL012a_02	Blackbird Creek - source to Blackbird Reservoir Dam	2.93	MILES
ID17060203SL012b_02	Blackbird Creek - Blackbird Reservoir Dam to mouth	7.83	MILES
ID17060203SL014_02	Panther Creek - Porphyry Creek to Blackbird Creek	8.65	MILES
ID17060203SL014_03	Panther Creek - Porphyry Creek to Blackbird Creek	1.9	MILES
ID17060203SL014_04	Panther Creek - Porphyry Creek to Blackbird Creek	4.77	MILES
ID17060203SL015_02	Musgrove Creek - source to mouth	17.69	MILES
ID17060203SL016_02	Porphyry Creek - source to mouth	9.5	MILES
ID17060203SL017_02	Panther Creek - source to Porphyry Creek	43.87	MILES
ID17060203SL017_03	Panther Creek - source to Porphyry Creek	11.61	MILES
ID17060203SL018_02	Moyer Creek - source to mouth	39.96	MILES
ID17060203SL018_03	Moyer Creek - source to mouth	7.31	MILES
ID17060203SL019_03	Woodtick Creek - source to mouth	5.14	MILES
ID17060203SL020_03	Deep Creek - Little Deep Creek to mouth	2.31	MILES
ID17060203SL022_02	Deep Creek - source to Little Deep Creek	17.35	MILES
ID17060203SL023_04	Napias Creek - Moccasin Creek to mouth	2.68	MILES
ID17060203SL024_02	Napias Creek - Arnett Creek to and including Moccasin Creek	28.68	MILES
ID17060203SL024_03	Napias Creek - Arnett Creek to and including Moccasin Creek	5.51	MILES
ID17060203SL024_04	Napias Creek - Arnett Creek to and including Moccasin Creek	1.37	MILES
ID17060203SL025_02	Napias Creek - source to Arnett Creek	20.65	MILES
ID17060203SL026_02	Arnett Creek - source to mouth	18.31	MILES
ID17060203SL028_02	Beaver Creek - source to mouth	17.51	MILES
ID17060203SL030_02	Pine Creek - source to mouth	24.4	MILES
ID17060203SL031_02	East Boulder Creek - source to mouth	14.39	MILES
ID17060203SL032_02	Salmon River - North Fork Sheep Creek to Indian Creek	21.49	MILES
ID17060203SL035_03	Moose Creek - Dolly Creek to Little Moose Creek	1.43	MILES
ID17060203SL036_02	Moose Creek - source to Dolly Creek	16.44	MILES
ID17060203SL037_02	Dolly Creek - source to mouth	9.35	MILES
ID17060203SL039_02	Salmon River - Carmen Creek to North Fork Salmon River	57.79	MILES
ID17060203SL043_03	Williams Creek - confluence of North and South Fork Williams	4.9	MILES
ID17060203SL044_02	North Fork Williams Creek - source to mouth	6.42	MILES
ID17060203SL045_02	South Fork Williams Creek - source to mouth	7.06	MILES
ID17060203SL048_02	Iron Creek - North Fork Iron Creek to mouth	29.16	MILES
ID17060203SL048_03	Iron Creek - North Fork Iron Creek to mouth	8.94	MILES
ID17060203SL049_02	North Fork Iron Creek - source to mouth	20.09	MILES
ID17060203SL050_02	Iron Creek - source to North Fork Iron Creek	4.4	MILES

2012 Integrated Report: Category 2: Full Support

ID17060203SL051_02	West Fork Iron Creek - source to mouth	5.69	MILES
ID17060203SL052_02	South Fork Iron Creek - source to mouth	6.96	MILES
ID17060203SL053_02	Salmon River - Pahsimeroi River to Iron Creek	52.04	MILES
ID17060203SL054_03	Hot Creek - source to mouth	12.59	MILES
ID17060203SL056_02	Allison Creek - source to mouth	10.21	MILES
ID17060203SL057_03	McKim Creek - source to mouth	2.49	MILES
ID17060203SL060_03	Twelvemile Creek - source to mouth	3.32	MILES
ID17060203SL061_03	Carmen Creek - Freeman Creek to mouth	5.25	MILES
ID17060203SL062_02	Freeman Creek - source to mouth	20.68	MILES
ID17060203SL063_02	Carmen Creek - source to Freeman Creek	24.03	MILES
ID17060203SL064_02	Tower Creek - source to mouth	19.77	MILES
ID17060203SL064_03	Tower Creek - source to mouth	1.93	MILES
ID17060203SL066_02	Fourth of July Creek - source to Little Fourth of July Creek	17.04	MILES
ID17060203SL071_03	Sheep Creek - source to mouth	8.65	MILES
ID17060203SL073_02	Dahlonga Creek - Nez Perce Creek to mouth	11.82	MILES
ID17060203SL074_02	Dahlonga Creek - source to Nez Perce Creek	4.88	MILES
ID17060203SL076_02	Anderson Creek - source to mouth	7.65	MILES
ID17060203SL077_02	North Fork Salmon River - Twin Creek to Dahlonga Creek	15.71	MILES
ID17060203SL077_03	North Fork Salmon River - Twin Creek to Dahlonga Creek	5.71	MILES
ID17060203SL078_02	North Fork Salmon River - source to Twin Creek	17.46	MILES
ID17060203SL080_02	Twin Creek - source to mouth	14.28	MILES
ID17060203SL081_02	Hughes Creek - source to mouth	48.24	MILES
ID17060203SL081_03	Hughes Creek - source to mouth	6.13	MILES
ID17060203SL083_03	Indian Creek - source to mouth	11.36	MILES
ID17060203SL084_02	Squaw Creek - source to mouth	15.88	MILES
ID17060203SL085_02	Spring Creek - source to mouth	17.42	MILES
ID17060203SL085_03	Spring Creek - source to mouth	2.28	MILES
ID17060203SL086_02	Boulder Creek - source to mouth	13.38	MILES
ID17060203SL087_03	Owl Creek - East Fork Owl Creek to mouth	1.95	MILES
ID17060203SL090_02	Colson Creek - source to mouth	11.33	MILES

17060204

Lemhi

ID17060204SL001_02	Lemhi River - Kenney Creek to mouth	43.87	MILES
ID17060204SL002_02	Mulkey Creek - source to mouth	6.1	MILES
ID17060204SL003a_03	Withington Creek - diversion (T20N, R23E, Sec. 09) to mouth	2.25	MILES
ID17060204SL003b_02	Withington Creek - source to diversion (T20N, R23E, Sec. 09)	21.26	MILES

2012 Integrated Report: Category 2: Full Support

ID17060204SL003b_03	Withington Creek - source to diversion (T20N, R23E, Sec. 09)	3.19	MILES
ID17060204SL004_02	Haynes Creek - source to mouth	19.82	MILES
ID17060204SL009_05	Hayden Creek - Basin Creek to mouth	3.5	MILES
ID17060204SL010_04	Basin Creek - Lake Creek to mouth	2.66	MILES
ID17060204SL013_02	McNutt Creek - source to mouth	16.76	MILES
ID17060204SL015_04	Hayden Creek - Bear Valley Creek to Basin Creek	4.96	MILES
ID17060204SL016_04	Bear Valley Creek -Wright Creek to mouth	2.78	MILES
ID17060204SL017_02	Bear Valley Creek - source to Wright Creek	13.83	MILES
ID17060204SL017_03	Bear Valley Creek - source to Wright Creek	3.64	MILES
ID17060204SL018_03	Wright Creek - source to mouth	3.7	MILES
ID17060204SL019_02	Kadletz Creek - source to mouth	4.96	MILES
ID17060204SL020_02	Hayden Creek -West Fork Hayden Creek to Bear Valley Creek	20.95	MILES
ID17060204SL020_03	Hayden Creek -West Fork Hayden Creek to Bear Valley Creek	6.52	MILES
ID17060204SL023_02	East Fork Hayden Creek - source to mouth	11.34	MILES
ID17060204SL026b_02	Mill Creek - source to diversion (T16N, R24E, Sec. 22)	10.52	MILES
ID17060204SL028_02	Lee Creek - source to mouth	19.56	MILES
ID17060204SL029a_03	Big Eightmile Creek-diversion (T16N, R25E, Sec. 21) to mouth	3.5	MILES
ID17060204SL029b_03	Big Eightmile Creek - source to diversion	8.16	MILES
ID17060204SL031_04	Big Timber Creek - Little Timber Creek to mouth	4.84	MILES
ID17060204SL032b_02	Little Timber Creek - source to diversion	13.39	MILES
ID17060204SL032b_03	Little Timber Creek - source to diversion	1.64	MILES
ID17060204SL033_03	Big Timber Creek - Rocky Creek to Little Timber Creek	9.59	MILES
ID17060204SL046_02	Clear Creek - source to mouth	17.23	MILES
ID17060204SL047_02	Tenmile Creek - Powderhorn Gulch to mouth	2.81	MILES
ID17060204SL050b_03	Hawley Creek - source to diversion (T15N, R27E, Sec. 03)	11.48	MILES
ID17060204SL051b_03	Canyon Creek - source to diversion (T16N, R26E, Sec.22)	8.82	MILES
ID17060204SL055b_03	Yearian Creek - source to diversion (T17N, R24E, Sec. 03)	2.23	MILES
ID17060204SL057_03	Cow Creek - source to mouth	1.89	MILES
ID17060204SL058_02	Agency Creek - source to Cow Creek	29.94	MILES
ID17060204SL058_04	Agency Creek - source to Cow Creek	4.01	MILES
ID17060204SL059b_02	Pattee Creek - source to diversion (T19N, R24E, Sec. 16)	7.38	MILES
ID17060204SL059b_03	Pattee Creek - source to diversion (T19N, R24E, Sec. 16)	22.41	MILES

17060205

Upper Middle Fork Salmon

ID17060205SL001_02	MF Salmon River - 1st and 2nd order above Loon Creek	194.25	MILES
ID17060205SL002_02	Marble Creek and tributaries - 1st and 2nd order	88.89	MILES

2012 Integrated Report: Category 2: Full Support

ID17060205SL008_02	Elkhorn Creek - 1st and 2nd order	29.02	MILES
ID17060205SL009_02	Sulphur Creek - 1st and 2nd order	59.3	MILES
ID17060205SL010_02	Boundary Creek - entire drainage	9.3	MILES
ID17060205SL011_02	Dagger Creek - entire drainage	16.35	MILES
ID17060205SL012_02	Lower Bear Valley Creek - 1st and 2nd order tributaries	53.29	MILES
ID17060205SL012_03	Bear Valley Creek - 3rd order	2.08	MILES
ID17060205SL013_02	Elk and Bearskin Creeks - 1st & 2nd order (non-wilderness)	40.87	MILES
ID17060205SL013_02a	Elk and Porter Creeks - 1st & 2nd order (wilderness)	46.46	MILES
ID17060205SL013_03a	Elk & Porter Creeks - 3rd order	3.29	MILES
ID17060205SL014_02	Sheep Trail Creek - entire drainage	8.18	MILES
ID17060205SL015_02	Cub Creek - entire drainage	2.62	MILES
ID17060205SL016_01L	Lower Lost Lake	6.49	ACRES
ID17060205SL016_02	Cache Creek and tributaries - 1st and 2nd order	15.83	MILES
ID17060205SL016_03	Cache Creek - 3rd order	4.38	MILES
ID17060205SL017_02	Fir Creek - 1st and 2nd order	11.49	MILES
ID17060205SL018_02	Marsh Creek - Beaver Creek to mouth	11.52	MILES
ID17060205SL019_02	Marsh Creek - Knapp Creek to Beaver Creek	6.04	MILES
ID17060205SL020_03	Cape Horn Creek - Banner Creek to mouth	4.11	MILES
ID17060205SL021_02	Cape Horn Creek - source to Banner Creek	6.29	MILES
ID17060205SL022_02	Banner Creek - source to mouth	16.59	MILES
ID17060205SL023_02	Swamp Creek - source to mouth	7.37	MILES
ID17060205SL028_02	Beaver Creek - Bear Creek to mouth	13.84	MILES
ID17060205SL029_02	Beaver Creek - Winnemucca Creek to Bear Creek	7.47	MILES
ID17060205SL031_02	Beaver Creek - source to Winnemucca Creek	18.41	MILES
ID17060205SL032_02	Bear Creek - source to mouth	10.59	MILES
ID17060205SL038_02	Lime, Bruin, Garnet and Sulphur Creeks - 1st and 2nd order	20.11	MILES
ID17060205SL038_03	Sulphur Creek - 3rd order	2.1	MILES
ID17060205SL039_02	Float Creek - 1st and 2nd order	11.21	MILES
ID17060205SL039_03	Float Creek - 3rd order (Harlan Creek to Rapid River)	2.6	MILES
ID17060205SL041_02	Vanity Creek - 1st and 2nd order	22.04	MILES
ID17060205SL041_03	Vanity Creek - 3rd order (Seafoam Creek to Rapid River)	0.84	MILES
ID17060205SL042_02	Rapid River above Vanity Creek - 1st and 2nd order tribs	39.09	MILES
ID17060205SL042_03	Rapid River and Pinyon Creeks - 3rd order sections	4.09	MILES
ID17060205SL062_02	Mayfield Creek-confluence of East and West Fork Mayfield Cr.	7.38	MILES
ID17060205SL063_02	West Fork Mayfield Creek - source to mouth	21.35	MILES
ID17060205SL067_02	Warm Springs Creek - Trapper Creek to mouth	56.87	MILES

2012 Integrated Report: Category 2: Full Support

17060206 Lower Middle Fork Salmon

ID17060206SL003_02	Big Creek - 1st and 2nd order tributaries	131.61	MILES
ID17060206SL003_03	Big Creek - 3rd order (Belvidere Creek to Logan Creek)	4.97	MILES
ID17060206SL003_04	Big Creek - 4th order (Monumental Creek to Logan Creek)	12.73	MILES
ID17060206SL009_02	Smith Creek - 1st and 2nd order	14.38	MILES
ID17060206SL009_03	Smith Creek - 3rd order, between NF Smith and Big Creeks	3.96	MILES
ID17060206SL010_02	Logan and Government Creeks - 1st and 2nd order	22.71	MILES
ID17060206SL010_03	Logan Creek - 3rd order	0.41	MILES
ID17060206SL012_02	Monumental Creek - 1st & 2nd order mainstem tributaries	82.59	MILES
ID17060206SL012_03	Monumental Creek - 3rd order (Annie Creek to West Fork)	7.07	MILES
ID17060206SL024_03	West Fork Camas Creek - source to mouth	5.22	MILES
ID17060206SL034_02a	Arrastra Creek	4.83	MILES
ID17060206SL038_02	Yellowjacket Creek - Hoodoo Creek to Jenny Creek	10.11	MILES
ID17060206SL040_02	Little Jacket Creek - source to mouth	8.3	MILES
ID17060206SL042_02	Trail Creek - source to mouth	11.14	MILES
ID17060206SL044_02	Hoodoo Creek - source to mouth	18.68	MILES

17060207 Middle Salmon-Chamberlain

ID17060207SL001_07	Salmon River - South Fork Salmon River to river mile 106	27.44	MILES
ID17060207SL002_03	Fall Creek - 3rd Order	1.33	MILES
ID17060207SL003_02	Carey Creek - source to mouth	7.91	MILES
ID17060207SL008_07	Salmon River - Chamberlain Creek to South Fork Salmon River	41.24	MILES
ID17060207SL037_02	Salmon River - Middle Fork Salmon River to Horse Creek	27.52	MILES
ID17060207SL037_07	Salmon River - Middle Fork Salmon River to Horse Creek	11.53	MILES
ID17060207SL040_02	Corn Creek - source to mouth	8.53	MILES
ID17060207SL055_04	Bargamin Creek - source to mouth	15.97	MILES
ID17060207SL061_02	Noble Creek - source to mouth	46.88	MILES
ID17060207SL061_02a	Big Mallard Creek - headwater to SF Big Mallard Creek	8.45	MILES
ID17060207SL061_03	Big Mallard Creek - SF Big Mallard Creek to mouth	13.39	MILES
ID17060207SL062_02	Little Mallard Creek - source to Fish Barrier	10.77	MILES
ID17060207SL063_02	Rhett Creek - source to Rabbit Creek	22.1	MILES
ID17060207SL063_03	Rhett Creek - Rabbit Creek to mouth	2	MILES
ID17060207SL065_02	Jersey Creek - source to mouth	16.13	MILES
ID17060207SL069_02	Big Creek - source to mouth	10.49	MILES
ID17060207SL069_02a	Eutopia Creek - and tributaries	19.34	MILES
ID17060207SL069_03	Big Creek - source to mouth	8.93	MILES

2012 Integrated Report: Category 2: Full Support

ID17060207SL076_04	Wind River - Meadow Creek to Salmon River	2.56	MILES
17060208 South Fork Salmon			
ID17060208SL001_02	SF Salmon R. below Secesh R: most 1st and 2nd order streams	118.94	MILES
ID17060208SL001_03	Smith Creek - 3rd order (Big Buck Creek to SF Salmon River)	1.08	MILES
ID17060208SL003_02	Pony Creek - entire drainage	18.78	MILES
ID17060208SL004_02	Bear Creek - 1st and 2nd order	13.87	MILES
ID17060208SL005_04	Secesh River - 4th order (Grouse Creek to mouth)	24.35	MILES
ID17060208SL006_02	Lake Creek - 1st and 2nd order	43.64	MILES
ID17060208SL006_03	Lake Creek - 3rd order (Threemile Creek to Summit Creek)	4.06	MILES
ID17060208SL007_02	Summit Creek - entire watershed	15.76	MILES
ID17060208SL011_02	Fitsum Creek - 1st and 2nd order	40.29	MILES
ID17060208SL011_03	Fitsum Creek - 3rd order	2.3	MILES
ID17060208SL013_03	Cougar Creek - 3rd order (South Fork Cougar Creek to mouth)	2.79	MILES
ID17060208SL014_03	Blackmare and SF Blackmare Creeks - 3rd order sections	4.82	MILES
ID17060208SL016_02	Six-bit Creek - entire watershed	10.71	MILES
ID17060208SL017_02	Trail Creek & Curtis Creek - 1st and 2nd order	29.54	MILES
ID17060208SL017_03	Curtis Creek - 3rd order (Trail Creek to SF Salmon River)	1.42	MILES
ID17060208SL020L_0L	Warm Lake	411.96	ACRES
ID17060208SL021_03	Fourmile Creek - 3rd order (SF Fourmile Creek to mouth)	1.23	MILES
ID17060208SL022_03	Camp and Phoebe Creeks - 3rd order sections	5.35	MILES
ID17060208SL023_02a	East Fork of the South Fork Salmon River - 1st and 2nd order	79.25	MILES
ID17060208SL023_04	East Fork South Fork Salmon River - 4th order section	10.97	MILES
ID17060208SL024_02	Caton Creek and tributaries - 1st and 2nd order	37.37	MILES
ID17060208SL024_03	Reegan and Caton Creeks - 3rd order sections	7.43	MILES
ID17060208SL025_02a	Lower Johnson Creek - 1st and 2nd order tributaries	60.34	MILES
ID17060208SL026_02	Burntlog Creek and tributaries - 1st and 2nd order	48.52	MILES
ID17060208SL026_03	Burntlog Creek - 3rd order	10.35	MILES
ID17060208SL027_02	Trapper Creek & tributaries - 1st and 2nd order	13.88	MILES
ID17060208SL027_03	Trapper Creek - 3rd order	4.33	MILES
ID17060208SL028_02	Riordan and NF Riordan Creeks - 1st and 2nd order	21.91	MILES
ID17060208SL028_03	Riordan Creek - 3rd order (North Fork to mouth)	3.67	MILES
ID17060208SL029_02	Sugar Creek & tributaries - 1st and 2nd order	20.38	MILES
ID17060208SL030_03	Tamarack Creek - 3rd order (Bum Cr. to SF Salmon River)	4.63	MILES
ID17060208SL032_02	Quartz and Vein Creeks - 1st and 2nd order	16.63	MILES
ID17060208SL032_03	Quartz Creek - 3rd order	3.33	MILES

2012 Integrated Report: Category 2: Full Support

17060209

Lower Salmon

ID17060209SL003_03	Cottonwood Creek - unnamed trib to mouth	5.91	MILES
ID17060209SL010_02	Deer Creek - source to EF Deer Creek	21.42	MILES
ID17060209SL010_03	Deer Creek - EF Deer Creek to mouth	3.17	MILES
ID17060209SL012_02	China Creek- source to Little China Creek	7.45	MILES
ID17060209SL012_03	China Creek- Little China Creek to mouth	1.36	MILES
ID17060209SL013_02	Cow Creek - source to mouth	15.16	MILES
ID17060209SL014_03	Race Creek - confluence West and SF Race Creek to mouth	1.67	MILES
ID17060209SL015_02	West Fork Race Creek - source to mouth	10.31	MILES
ID17060209SL015_03	West Fork Race Creek - source to mouth	1.37	MILES
ID17060209SL017_02	Kessler Creek - source to South Fork Race Creek	4.44	MILES
ID17060209SL026_02	Kelly Creek - source to mouth	14.71	MILES
ID17060209SL029_02	Allison Creek - roadless boundary to West Fork Allison Creek	4.25	MILES
ID17060209SL029_02a	Allison Creek - headwaters to roadless boundary	5.13	MILES
ID17060209SL034_04	Slate Creek - from and including Hurley Creek to mouth	5.29	MILES
ID17060209SL035_02	Little Van Buren Creek - source to mouth	5.96	MILES
ID17060209SL036_04	Slate Creek - Little Slate Creek to Hurley Creek	7.36	MILES
ID17060209SL037_02	Little Slate Creek - headwaters and tributaries	40.27	MILES
ID17060209SL037_02a	Little Boulder Creek - source to mouth	7.6	MILES
ID17060209SL037_02b	Big Boulder Creek - source to mouth	7.34	MILES
ID17060209SL037_03	Little Slate Creek - unnamed trib to Van Buren Creek	9.49	MILES
ID17060209SL037_04	Little Slate Creek - Van Buren Cr to mouth	8.08	MILES
ID17060209SL039_02	Van Buren Creek - source to NF Van Buren	10.16	MILES
ID17060209SL039_03	Van Buren Creek - NF Van Buren Cr to mouth	2	MILES
ID17060209SL040_02	Turnbull Creek - source to mouth	4.96	MILES
ID17060209SL041_02	Slate Creek - Wilderness boundary to Little Slate Creek	7.7	MILES
ID17060209SL042_02	North Fork Slate Creek - source to mouth	15.12	MILES
ID17060209SL044_03	Skookumchuck Creek	3.36	MILES
ID17060209SL045_02	South Fork Skookumchuck Creek - source to mouth	13.36	MILES
ID17060209SL047_04	Whitebird Creek - 4th Order Segment	5.75	MILES
ID17060209SL048_03	South Fork Whitebird Creek - Little Whitebird Creek to mouth	4.39	MILES
ID17060209SL049_02	Little Whitebird Creek - source to mouth	6.88	MILES
ID17060209SL051_02	Jungle Creek - source to mouth	2.16	MILES
ID17060209SL054_02	Pinnacle Creek - source to mouth	5.86	MILES
ID17060209SL055_03	North Fork Whitebird Creek - 3rd order segment	6.05	MILES

2012 Integrated Report: Category 2: Full Support

ID17060209SL060_03	Deep Creek - source to mouth	1.43	MILES
ID17060209SL061_02	Maloney Creek - source to WF Maloney and tributaries	30.05	MILES
ID17060209SL061_03	Maloney Creek - source to mouth	1.43	MILES
ID17060209SL062_02	Deer Creek - tributaries	20.87	MILES
ID17060209SL062_02a	Deer Creek - source to WF Deer Creek	26.9	MILES
ID17060209SL062_03	Deer Creek - downstream of waterfall to mouth	6.77	MILES
ID17060209SL063_03	Eagle Creek - source to mouth	5.97	MILES
ID17060209SL064_02	China Creek - source to Banks Creek	21.91	MILES
ID17060209SL064_03	China Creek - source to mouth	1.83	MILES

17060210

Little Salmon

ID17060210SL001_02	Little Salmon River - 1st and 2nd order below Round Valley	98.5	MILES
ID17060210SL001_02a	Indian Creek - entire drainage	2.46	MILES
ID17060210SL001_03	Squaw Creek - 3rd order	5.61	MILES
ID17060210SL002_02	Rapid River and tributaries - 1st and 2nd order	77.04	MILES
ID17060210SL002_02a	Shingle Creek - mainstem 1st order headwaters	6.09	MILES
ID17060210SL002_03	Rapid River and Lake Fork - 3rd order	12.53	MILES
ID17060210SL002_03a	Shingle Creek - 3rd order (South Fork to mouth)	0.91	MILES
ID17060210SL002_04	Rapid River - 4th order	6.54	MILES
ID17060210SL002_0L	Black Lake	25.82	ACRES
ID17060210SL003_02	WF Rapid River and tributaries - 1st and 2nd order	32.8	MILES
ID17060210SL003_03	West Fork Rapid River - 3rd order (Bridge Creek to mouth)	2.47	MILES
ID17060210SL005_02	Boulder Creek - 1st and 2nd order	45.28	MILES
ID17060210SL005_03	Boulder Creek - 3rd order	7.31	MILES
ID17060210SL006_02	Round Valley Creek - 1st and 2nd order	18.84	MILES
ID17060210SL006_03	Round Valley Creek - 3rd order (Brush Creek to mouth)	1.87	MILES
ID17060210SL007_02	Little Salmon River - Meadow Valley tributaries	53.63	MILES
ID17060210SL007_02a	Little Salmon River, Vick and Mill Creeks- 1st and 2nd order	18.87	MILES
ID17060210SL007_03	Little Salmon River - 3rd order	1.18	MILES
ID17060210SL008_02	Mud and Little Mud Creeks - 1st and 2nd order	35.43	MILES
ID17060210SL009_02	Big Creek - upper 1st and 2nd order (forested)	30.62	MILES
ID17060210SL010_02	Goose Creek - 1st and 2nd order	54.92	MILES
ID17060210SL010_02L	Fish Lake	12.32	ACRES
ID17060210SL010_03	Goose and Little Goose Creeks - 3rd order sections	8.33	MILES
ID17060210SL011_02	Brundage Reservoir tributaries - 1st and 2nd order	3.78	MILES
ID17060210SL011L_0L	Brundage Reservoir	216	ACRES

2012 Integrated Report: Category 2: Full Support

ID17060210SL012_02	Goose Creek - 1st and 2nd order above Goose Lake	6.15	MILES
ID17060210SL012L_0L	Goose Lake	366.11	ACRES
ID17060210SL013_02	Sixmile Creek - entire drainage	10.48	MILES
ID17060210SL014_01L	Hazard Lakes	205.36	ACRES
ID17060210SL014_02	Hazard Creek and tributaries - 1st and 2nd order	42.89	MILES
ID17060210SL014_02L	Hazard Lakes	244.4	ACRES
ID17060210SL014_03	Hazard Creek - 3rd order	7.2	MILES
ID17060210SL014_04	Hazard Creek - Hard Creek to mouth	0.88	MILES
ID17060210SL015_02	Hard Creek and tributaries - 1st and 2nd order	33.7	MILES
ID17060210SL015_03	Hard Creek - 3rd order	10.01	MILES
ID17060210SL016_02	Elk and Little Elk Creeks - 1st and 2nd Order	13.28	MILES
ID17060210SL016_02a	Elk Creek - roadless boundary to Little Elk Creek	3.18	MILES
ID17060210SL016_03	Elk Creek - Little Elk Creek to mouth	0.98	MILES

Southwest

17050101

C. J. Strike Reservoir

ID17050101SW002_02	Bruneau Sand Dunes Lake	0.06	MILES
ID17050101SW002_0L	Bruneau Sand Dunes Lake	37.47	ACRES
ID17050101SW003_02	Browns Creek - lower 1st and 2nd order	31.67	MILES
ID17050101SW003_03	Browns Creek - 3rd order	4.21	MILES
ID17050101SW003_04	Browns Creek - 4th order	4.06	MILES
ID17050101SW004_02	Browns Creek - 1st and 2nd order tributaries	63.59	MILES
ID17050101SW004_03	Browns Creek - 3rd order	15.74	MILES
ID17050101SW006_02	Sailor Creek - 1st and 2nd order	265.96	MILES
ID17050101SW006_03	Sailor Creek - 3rd order	33.38	MILES
ID17050101SW006_04	Sailor Creek - 4th order	22.85	MILES
ID17050101SW008_02	Deadman Creek - 1st and 2nd order	92.7	MILES
ID17050101SW008_03	Deadman Creek - 3rd order	38.42	MILES
ID17050101SW013_02	Alkali Creek - 1st & 2nd order	29.37	MILES
ID17050101SW013_03	Alkali Creek - 3rd order section	4.36	MILES
ID17050101SW014_02	Cold Springs Creek - 1st and 2nd order	24.97	MILES
ID17050101SW015_02	Ryegrass Creek - entire watershed	28.29	MILES
ID17050101SW016_02	Bennett Creek - 1st and 2nd order	53.08	MILES
ID17050101SW016_03	Bennett Creek - 3rd order	29.33	MILES
ID17050101SW017_02	Hot Springs Creek - 1st and 2nd order above reservoir	18.42	MILES

2012 Integrated Report: Category 2: Full Support

ID17050101SW018_02	Dive Creek - 1st and 2nd order	4.31	MILES
ID17050101SW020L_0L	Mountain Home Reservoir	405	ACRES
ID17050101SW023_04	Canyon Creek - 4th order (Syrup Creek to Fraiser Reservoir)	21.44	MILES
ID17050101SW024_02	Long Tom Creek - 1st and 2nd order	37.89	MILES
ID17050101SW025_03	Syrup Creek - 3rd order (Cottonwood Creek to Long Tom Creek)	5.77	MILES

17050102

Bruneau

ID17050102SW003_04	Little Jacks Creek - 4th order section	22.38	MILES
ID17050102SW004_03	Big Jacks Creek -3rd order	21.13	MILES
ID17050102SW004_04	Big Jacks Creek - 4th order (Dry Canyon to Duncan Creek)	7.36	MILES
ID17050102SW006_02	Duncan Creek - 1st and 2nd order	38.06	MILES
ID17050102SW006_03	Duncan Creek - 3rd order (Zeno Canyon to Big Jacks Creek)	5.42	MILES
ID17050102SW007_02	Wickahoney Creek - 1st and 2nd order	87.88	MILES
ID17050102SW007_03	Wickahoney Creek - 3rd order	3.55	MILES
ID17050102SW007_04	Wickahoney Creek - 4th order	3.64	MILES
ID17050102SW010_02	Hot Creek - 1st and 2nd order	37.19	MILES
ID17050102SW010_03	Hot Creek - 3rd order	12.74	MILES
ID17050102SW011_06	Bruneau River - Clover Creek to Hot Creek	18.23	MILES
ID17050102SW013_05	Bruneau River - Jarbidge River to Sheep Creek	13.57	MILES
ID17050102SW013_06	Bruneau River - Sheep Creek to Clover Creek	8.71	MILES
ID17050102SW014_03	Sheep Creek - 3rd order	14.2	MILES
ID17050102SW014_05	Sheep Creek - 5th order	22.23	MILES
ID17050102SW015_03	Louse and Crab Creeks - 3rd order sections	24.12	MILES
ID17050102SW017_03	Bull Creek - 3rd order (West Fork Bull Creek to mouth)	11.64	MILES
ID17050102SW020_05	Bruneau River - Idaho/Nevada border to Jarbidge River	28.39	MILES
ID17050102SW021_02	Columbet and Rattlesnake Creeks - entire drainages	68	MILES
ID17050102SW021_03	Jarbidge River and Buck Creek - 3rd order	2.02	MILES
ID17050102SW021_04	Jarbidge River - 4th order downstream of Buck Creek	32.77	MILES
ID17050102SW022_02	Cougar Creek - 1st and 2nd order	40.78	MILES
ID17050102SW022_03	Cougar Creek - 3rd order	20.03	MILES
ID17050102SW024_03	East Fork Jarbidge River - Idaho/Nevada border to mouth	4.94	MILES
ID17050102SW025_02	Poison Creek - 1st and 2nd order section	60.67	MILES
ID17050102SW025_03	Poison Creek - 3rd order	16.65	MILES
ID17050102SW030_03	Big Flat Creek - 3rd order	11.48	MILES
ID17050102SW030_04	Big Flat Creek - 4th order	3.86	MILES
ID17050102SW032_02	Cherry Creek - Idaho/Nevada border to mouth	13.86	MILES

2012 Integrated Report: Category 2: Full Support

ID17050102SW033_02	Deer Creek - 1st and 2nd order	18.43	MILES
ID17050102SW034_03	Deadwood Creek - 3rd order	4.1	MILES

17050103 Middle Snake-Succor

ID17050103SW005_02	Jump Creek - 1st and 2nd order	84.67	MILES
ID17050103SW006_02	Snake River - 1st & 2nd order between Corder Cr. & Marsing	180.89	MILES
ID17050103SW006_03	Snake River - 3rd order unnamed tributaries near Sinker Cr.	7.12	MILES
ID17050103SW006_07a	Snake River - Castle Creek to Swan Falls	13.28	MILES
ID17050103SW007_02	Squaw Creek - 1st & 2nd order	67.65	MILES
ID17050103SW007_03	Squaw Creek - 3rd order	12.07	MILES
ID17050103SW009_02	Reynolds Creek - 1st and 2nd order	170.49	MILES
ID17050103SW011_02	Rabbit Creek (south side of Snake River)- 1st and 2nd order	117.51	MILES
ID17050103SW012_03	Sinker Creek - 3rd order	9.2	MILES
ID17050103SW019_02	Brown Creek - 1st & 2nd order	79.78	MILES
ID17050103SW019_03	Brown Creek - 3rd order	7.64	MILES
ID17050103SW019_04	Brown Creek - 4th order	6.43	MILES
ID17050103SW021_02	Birch Creek and tributaries - 1st and 2nd order	66	MILES
ID17050103SW024_02	Shoofly & Poison Creeks - 1st and 2nd order	130.12	MILES
ID17050103SW024_03	Shoofly and Poison Creeks - 3rd order	28.47	MILES
ID17050103SW024_04	Shoofly Creek - 4th order (West Fork to Snake River)	20	MILES
ID17050103SW025_02	Corder Creek - 1st and 2nd order	63.34	MILES
ID17050103SW026_02	Rabbit Creek (north side of Snake River) - 1st and 2nd order	12.99	MILES

17050104 Upper Owyhee

ID17050104SW001_06	Owyhee River - 6th order (Juniper Creek to SF Owyhee River)	51.23	MILES
ID17050104SW006_06	Owyhee River - Blue Creek to Juniper Creek	38.63	MILES
ID17050104SW014_02	Shoofly Creek & Tributaries - 1st & 2nd order	53.4	MILES
ID17050104SW014_03	Shoofly Creek - 3rd order	12.16	MILES
ID17050104SW014_04	Shoofly Creek - 4th order	13.9	MILES
ID17050104SW025_02	Big Springs Creek - 1st and 2nd	35.88	MILES
ID17050104SW026_02	Deep Creek - 1st and 2nd order rangeland tributaries	158.22	MILES
ID17050104SW026_03a	Deep Creek - 3rd order forested tributaries	8.59	MILES

17050107 Middle Owyhee

ID17050107SW005_03	Pole Creek - 3rd order	1.46	MILES
ID17050107SW006_02	Squaw Creek and tributaries - 1st and 2nd order	51.69	MILES
ID17050107SW006_03	Squaw Creek - 3rd order	8.6	MILES

2012 Integrated Report: Category 2: Full Support

17050108

Jordan

ID17050108SW003_02	Williams Creek - 1st and 2nd order	20.33	MILES
ID17050108SW005_03	South Mountain Creek - 3rd order	4.57	MILES
ID17050108SW005_05	Big Boulder Creek - South Boulder Creek to Jordan Creek	7.62	MILES
ID17050108SW006_03	South Boulder and Indian Creeks - 3rd order sections	8.44	MILES
ID17050108SW010_03	Rock Creek - 3rd order below Triangle Reservoir	5.05	MILES
ID17050108SW012_04	Josephine Creek - 4th order (Wickiup Creek to mouth)	8.35	MILES
ID17050108SW017_02	Flint and East Creeks - 1st and 2nd order	18.61	MILES
ID17050108SW017_03	Flint Creek - 3rd order (East Creek to mouth)	4.35	MILES
ID17050108SW018_02	Louse Creek - 1st and 2nd order	20.54	MILES
ID17050108SW018_03	Louse Creek - 3rd order (Sullivan Gulch to mouth)	5.5	MILES
ID17050108SW021_04	Cow Creek - 4th order	4.31	MILES

17050111

North And Middle Fork Boise

ID17050111SW001_02	MF Boise River - 1st and 2nd order forested tributaries	199.74	MILES
ID17050111SW001_02a	MF Boise River: 1st and 2nd order rangeland tributaries	11.2	MILES
ID17050111SW001_03	MF Boise River, Swanholm and Lost Man Creeks: 3rd order	18.5	MILES
ID17050111SW001_04	Middle Fork Boise River - 4th order	34.11	MILES
ID17050111SW002_02	East Fork Roaring River - 1st and 2nd order	30.79	MILES
ID17050111SW002_02L	Roaring River Lakes	16.98	ACRES
ID17050111SW002_03	Roaring River and EF Roaring River - 3rd order sections	8.29	MILES
ID17050111SW003_02	Hot Creek - entire drainage	8.08	MILES
ID17050111SW004_02	Yuba River - 1st and 2nd order	32.9	MILES
ID17050111SW004_03	Yuba River and Corbus Creek - 3rd order sections	3.46	MILES
ID17050111SW004_04	Yuba River - 4th order section	2.87	MILES
ID17050111SW005_02	Decker Creek - 1st and 2nd order	24.33	MILES
ID17050111SW005_03	Decker Creek - 3rd order	1.15	MILES
ID17050111SW006_02	Queens River and China Fork - 1st and 2nd order	33.66	MILES
ID17050111SW006_03	Queens River - 3rd order section	2.19	MILES
ID17050111SW007_02	Little Queens River & tributaries - 1st and 2nd order	23.2	MILES
ID17050111SW007_03	Little Queens River - 3rd order (Right Creek to mouth)	1.01	MILES
ID17050111SW008_02	Black Warrior Creek & tributaries - 1st and 2nd order	20.32	MILES
ID17050111SW008_03	Black Warrior Creek - 3rd order	2.38	MILES
ID17050111SW009_02	Browns Creek - 1st and 2nd order	11.48	MILES
ID17050111SW009_03	Browns Creek - 3rd order	1.57	MILES
ID17050111SW010_02	NF Boise River and Trail Creek - 1st and 2nd order	149.06	MILES

2012 Integrated Report: Category 2: Full Support

ID17050111SW010_03	NF Boise River and Trail Creek - 3rd order sections	8.77	MILES
ID17050111SW010_04	North Fork Boise River - 4th order	17.59	MILES
ID17050111SW010_05	North Fork Boise River - 5th order	18.43	MILES
ID17050111SW011_02	Johnson Creek & tributaries - 1st and 2nd order	27.27	MILES
ID17050111SW011_03	Johnson Creek - 3rd order (Grouse Creek to mouth)	4.01	MILES
ID17050111SW012_02	Bear River and tributaries: 1st and 2nd order sections	39.2	MILES
ID17050111SW012_03	Bear River - 3rd order section	8.18	MILES
ID17050111SW013_02	Big and Little Owl Creeks - entire drainage	12.07	MILES
ID17050111SW014_02	Crooked R, Pikes Fk, and Beaver Cr - 1st and 2nd order	125.41	MILES
ID17050111SW014_03	Crooked River, Pikes Fork and Beaver Creek - 3rd order	3.87	MILES
ID17050111SW014_04	Crooked River - 4th order	12.89	MILES
ID17050111SW015_02	Rabbit Creek & tributaries - 1st and 2nd order	34.33	MILES
ID17050111SW015_03	Rabbit Creek - 3rd order	6.39	MILES
ID17050111SW016_02	Meadow Creek - 1st and 2nd order	7.28	MILES
ID17050111SW017_02	French Creek - entire watershed	10.83	MILES

17050112

Boise-Mores

ID17050112SW001L_0L	Lucky Peak Reservoir	2765.19	ACRES
ID17050112SW002L_0L	Arrowrock Reservoir (not including SF Boise River arm)	2177.76	ACRES
ID17050112SW003_02	Grouse Creek - 1st and 2nd order	13.05	MILES
ID17050112SW004_02	Birch, Badger, Haga, and Alder Creeks	38.1	MILES
ID17050112SW005_04	Sheep Creek - 4th order (South Fork Sheep Creek to mouth)	1.33	MILES
ID17050112SW006_02	Brown Creek - 1st and 2nd order	4.21	MILES
ID17050112SW007_02	Cottonwood Creek and tributaries - 1st and 2nd order	27.7	MILES
ID17050112SW007_03	Cottonwood Creek - 3rd order (North Fork to mouth)	2.73	MILES
ID17050112SW011_02	Thorn Creek - 1st and 2nd order	29.61	MILES
ID17050112SW012_02	Elk Creek and tributaries - 1st and 2nd order	44.54	MILES
ID17050112SW012_03	Elk Creek - 3rd order (Ross Fork to mouth)	11.19	MILES
ID17050112SW014_02	Granite Creek - 1st and 2nd order	65.86	MILES
ID17050112SW014_03	Granite, Woof, and Clear Creeks - 3rd order sections	3.23	MILES
ID17050112SW014_04	Granite Creek - 4th order (Woof Creek to mouth)	5.19	MILES
ID17050112SW016_02	Daggett Creek and tributaries - 1st & 2nd order	13.82	MILES
ID17050112SW016_03	Daggett Creek - 3rd order (Sheep Creek to mouth)	3.76	MILES
ID17050112SW017_02	Robie Creek and tributaries - 1st and 2nd order	17.81	MILES
ID17050112SW017_03	Robie Creek - 3rd order (Karney Creek to mouth)	4.54	MILES

17050113

South Fork Boise

2012 Integrated Report: Category 2: Full Support

ID17050113SW001_03	Rattlesnake Creek - 3rd order	0.87	MILES
ID17050113SW001_06	SF Boise River (tiny segment above Arrowrock)	0.55	MILES
ID17050113SW001L_0L	Arrowrock Reservoir (South Fork Boise River arm)	821.09	ACRES
ID17050113SW002b_03	Willow Creek - 3rd order below Cottonwood Creek	7.43	MILES
ID17050113SW003_02	Wood Creek - 1st and 2nd order	29.13	MILES
ID17050113SW003_03	Wood Creek - 3rd order (Deadman Creek to Willow Creek)	2.02	MILES
ID17050113SW004_02	SF Boise River (Anderson Dam to Arrowrock) - 1st & 2nd order	153.39	MILES
ID17050113SW004_06	South Fork Boise River - Anderson Dam to Arrowrock Reservoir	31.61	MILES
ID17050113SW005_02	Tributaries to Anderson Ranch Reservoir - 1st and 2nd order	81	MILES
ID17050113SW005_03	Castle Creek - 3rd order	1.38	MILES
ID17050113SW007_02	Cat Creek - 1st and 2nd order	23.8	MILES
ID17050113SW007_03	Cat Creek - 3rd order (Buck Creek to mouth)	3.1	MILES
ID17050113SW008_02	Little Camas Creek - 1st and 2nd order above Reservoir	25.79	MILES
ID17050113SW008_03	Little Camas Creek - 3rd order above Little Camas Reservoir	4.31	MILES
ID17050113SW010_02	Lime and North Fork Lime Creeks - 1st and 2nd order	99.23	MILES
ID17050113SW010_02a	Moores Creek - 1st and 2nd order	45.16	MILES
ID17050113SW010_03	North and Middle Fork Lime Creeks - 3rd order sections	9.61	MILES
ID17050113SW010_04	Lime Creek - 4th order (NF Lime Creek to Moores Creek)	7.12	MILES
ID17050113SW010_04a	Moores Creek - 4th order (Big Springs Creek to mouth)	2.68	MILES
ID17050113SW011_02	South Fork Lime Creek - 1st and 2nd order	70.95	MILES
ID17050113SW011_03	South Fork Lime Creek - 3rd order	9.39	MILES
ID17050113SW012_02	Deer Creek - 1st and 2nd order	24.83	MILES
ID17050113SW012_03	Deer Creek - 3rd order	1.28	MILES
ID17050113SW013_02	South Fork Boise River - 1st and 2nd order	69.45	MILES
ID17050113SW013_05	SF Boise River - Willow Creek to Anderson Ranch Reservoir	22.04	MILES
ID17050113SW014_02	Grouse Creek - 1st and 2nd order	17.63	MILES
ID17050113SW015_02	SF Boise River - 1st and 2nd order tribs, Willow to Big Smoky	61	MILES
ID17050113SW015_03	Kelley Creek - 3rd order (EF Kelley Creek to SF Boise River)	0.64	MILES
ID17050113SW016_02	Beaver Creek - entire drainage	9.54	MILES
ID17050113SW017_03	Boardman Creek - 3rd order (Smoky Dome Canyon to mouth)	5	MILES
ID17050113SW018_02	Little Smoky Creek - 1st and 2nd order	136.54	MILES
ID17050113SW018_03	Little Smoky, Salt & Grindstone Creeks - 3rd order sections	11.02	MILES
ID17050113SW018_04	Little Smoky Creek - 4th order (Grindstone to Big Smoky Cr.)	9.56	MILES
ID17050113SW018_05	Big Smoky Creek - 5th order (Little Smoky to SF Boise River)	2.84	MILES
ID17050113SW019_02	Big Smoky Creek - 1st and 2nd order except Paradise Creek	117.54	MILES
ID17050113SW019_04	Big Smoky Creek - 4th order	15.79	MILES

2012 Integrated Report: Category 2: Full Support

ID17050113SW020_02	Paradise Creek - entire drainage	14.39	MILES
ID17050113SW021_02	South Fork Boise River - 1st and 2nd order	72.27	MILES
ID17050113SW021_03	South Fork Boise River - 3rd order	2.95	MILES
ID17050113SW021_04	South Fork Boise River - 4th order	15.11	MILES
ID17050113SW022_03	Johnson Creek - 3rd order	5.54	MILES
ID17050113SW023_02	Ross Fork - 1st and 2nd order	31.31	MILES
ID17050113SW023_03	Ross Fork - 3rd order (SF Ross Creek to SF Boise River)	3.71	MILES
ID17050113SW024_02	Skeleton Creek - 1st and 2nd order	27.2	MILES
ID17050113SW024_03	Skeleton Creek - 3rd order (East Fork to mouth)	6.01	MILES
ID17050113SW025_02	Willow Creek and tributaries - 1st and 2nd order	22.81	MILES
ID17050113SW025_03	Willow Creek - 3rd order (Haypress Creek to mouth)	5.61	MILES
ID17050113SW026_02	Shake Creek - entire drainage	12.18	MILES
ID17050113SW027_02	Feather River - 1st and 2nd order	80.49	MILES
ID17050113SW027_03	Elk Creek and Feather River - 3rd order sections	4.29	MILES
ID17050113SW027_04	Feather River - 4th order (Elk Creek to mouth)	6.02	MILES
ID17050113SW028_02	Trinity Creek and tributaries - 1st and 2nd order	50.05	MILES
ID17050113SW028_02L	Big Trinity Lake	25.5	ACRES
ID17050113SW028_03	Parks and Trinity Creeks - 3rd order	0.8	MILES
ID17050113SW028_04	Trinity Creek - 4th order (Parks Creek to mouth)	4.75	MILES
ID17050113SW029_02	Green Creek - entire drainage	7.27	MILES
ID17050113SW030_02	Dog Creek - entire drainage	11.12	MILES
ID17050113SW031_03	Fall and Tally Creeks - 3rd order sections	4.81	MILES
ID17050113SW031_04	Fall Creek - 4th order (Tally Creek to mouth)	5.01	MILES
ID17050113SW033_02	Rattlesnake Creek and tributaries - 1st and 2nd order	42.05	MILES
ID17050113SW033_03	Rattlesnake Creek - 3rd order	10.88	MILES

17050114 Lower Boise

ID17050114SW003b_02	Tributaries to Indian Cr.between Res. and and New York Canal	186.58	MILES
ID17050114SW003b_03	Indian Creek between Reservoir and Sand Creek	41.46	MILES
ID17050114SW003b_04	Indian Creek- 4th order between Reservoir and New York Canal	20.63	MILES
ID17050114SW009_02	Blacks Creek and Bryans Run - 1st and 2nd order	56.21	MILES
ID17050114SW012_02	Stewart Gulch, Cottonwood and Crane Creeks - 1st & 2nd order	63.71	MILES
ID17050114SW012_03	Cottonwood Creek - 3rd order (Fivemile Creek to Boise River)	5.93	MILES
ID17050114SW013_03	Dry, Currant and Spring Valley Creeks - 3rd order sections	10.09	MILES

17050120 South Fork Payette

ID17050120SW001_03	South Fork Payette River - 3rd order	5.19	MILES
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2012 Integrated Report: Category 2: Full Support

ID17050120SW001_04	South Fork Payette River - 4th order	35.38	MILES
ID17050120SW001_05	South Fork Payette River - 5th order	23.98	MILES
ID17050120SW002_02	Rock Creek - 1st and 2nd order	25.67	MILES
ID17050120SW002_03	Rock Creek - 3rd order	0.92	MILES
ID17050120SW003_02	Tenmile Creek - entire drainage	35.87	MILES
ID17050120SW004_02	Wapiti Creek - entire drainage	14.64	MILES
ID17050120SW005_02	SF Payette R - 1st and 2nd order above and inc. Trail Cr.	58.26	MILES
ID17050120SW005_03	SF Payette River - 3rd order (Benedict Creek to Baron Creek)	14.72	MILES
ID17050120SW005_04	South Fork Payette River - Baron Creek to Trail Creek	0.73	MILES
ID17050120SW007_03	Baron Creek - 3rd order (North Fork Baron Creek to mouth)	2.64	MILES
ID17050120SW008_02	Bear Creek - entire watershed	5.53	MILES
ID17050120SW009_02	Canyon Creek - 1st and 2nd order	28.87	MILES
ID17050120SW009_03	Canyon Creek - 3rd order	6.56	MILES
ID17050120SW010_02	Warm Spring Creek - 1st and 2nd order	53.52	MILES
ID17050120SW010_02L	Bull Trout Lakes	72.99	ACRES
ID17050120SW010_03	Warm Spring and Gates Creeks - 3rd order	12.96	MILES
ID17050120SW011_02	Eightmile and EF Eightmile Creeks - 1st and 2nd order	30.28	MILES
ID17050120SW011_03	Eightmile Creek - 3rd order (East Fork to mouth)	1.25	MILES
ID17050120SW012_02	Fivemile Creek - entire watershed	13.64	MILES
ID17050120SW013_02	Clear Creek and tributaries - 1st and 2nd order	64.23	MILES
ID17050120SW013_03	Clear Creek - 3rd order (South Fork Clear Creek to mouth)	17.07	MILES
ID17050120SW014_02	Deadwood River - 1st and 2nd order below Deadwood Dam	76.26	MILES
ID17050120SW014_04	Deadwood River - Deadwood Reservoir Dam to mouth	23.02	MILES
ID17050120SW015_02	Whitehawk and NF Whitehawk Creeks - 1st and 2nd order	19.5	MILES
ID17050120SW015_03	Whitehawk Creek - 3rd order	3.18	MILES
ID17050120SW016_02	Warm Springs Cr. and tributaries - 1st and 2nd order	20.47	MILES
ID17050120SW016_03	Warm Springs Creek - 3rd order	1.23	MILES
ID17050120SW017_02	Wilson Creek - entire watershed	11.86	MILES
ID17050120SW018_02	Deadwood Reservoir - 1st & 2nd order tributaries	51.08	MILES
ID17050120SW018L_0L	Deadwood Reservoir	3014.93	ACRES
ID17050120SW019_02	Deadwood River - 1st and 2nd order above the Reservoir	54.71	MILES
ID17050120SW019_03	Deadwood River above Deadwood Dam - 3rd order	16.73	MILES
ID17050120SW020_02	Scott Creek - entire drainage	19.4	MILES
ID17050120SW021_02	Big Pine Creek - 1st and 2nd order tributaries	20.76	MILES
ID17050120SW021_03	Big Pine Creek - 3rd order (East Fork to mouth)	2.09	MILES

2012 Integrated Report: Category 2: Full Support

17050121 Middle Fork Payette

ID17050121SW001_02	Middle Fork Payette River - 1st and 2nd order	48.31	MILES
ID17050121SW002_02	Anderson Creek and tributaries - 1st and 2nd order	38.35	MILES
ID17050121SW002_03	Anderson Creek - 3rd order section	10.01	MILES
ID17050121SW003_03	Lightning Creek - 3rd order	8.29	MILES
ID17050121SW004_02	Big Bulldog Creek - entire watershed	19.65	MILES
ID17050121SW005_02	Upper MF Payette River - 1st and 2nd order	121.99	MILES
ID17050121SW006_02	Rattlesnake Creek - entire drainage	9.8	MILES
ID17050121SW007_03	Silver Creek - 3rd order (Peace Creek to mouth)	6.25	MILES
ID17050121SW008_02	Peace and Valley Creek - 1st and 2nd order sections	13.61	MILES
ID17050121SW009_02	Bull and Sixteen-to-One Creeks - 1st and 2nd order	41.57	MILES
ID17050121SW010_02	Scriver Creek and tributaries - 1st and 2nd order	35.36	MILES
ID17050121SW010_03	Scriver Creek - 3rd order (West Fork to mouth)	6.08	MILES

17050122 Payette

ID17050122SW002_06	Black Canyon Reservoir	1028.87	ACRES
ID17050122SW003_02	Payette River - 1st and 2nd order rangeland tributaries	89.79	MILES
ID17050122SW003_02a	Dry Buck, Peterson & Fleming Creeks - 1st & 2nd order	29.39	MILES
ID17050122SW003_06	Payette River - NF/SF Confluence to Black Canyon Reservoir	38.13	MILES
ID17050122SW004_03	Shafer Creek - 3rd order (Bogus Creek to Harris Creek)	9.49	MILES
ID17050122SW004_04	Shafer Creek - 4th order (Harris Creek to mouth)	3.72	MILES
ID17050122SW005_02	Harris Creek - 1st and 2nd order	33.97	MILES
ID17050122SW005_03	Harris Creek - 3rd order (Shoemaker Creek to Shafer Creek)	6.33	MILES
ID17050122SW010_02	Squaw Creek - 1st and 2nd order forested	47.63	MILES
ID17050122SW010_02a	Squaw Creek - 1st and 2nd order rangeland	137.61	MILES
ID17050122SW010_03	Squaw, Third Fork Squaw and Coon Creeks - 3rd order	18.75	MILES
ID17050122SW010_04	Squaw Creek - 4th order	24.31	MILES
ID17050122SW010_05	Squaw Creek - 5th order	24.23	MILES
ID17050122SW011_02	Little Squaw Creek - 1st and 2nd order, except Soldier Creek	53.8	MILES
ID17050122SW011_03	Little Squaw Creek - 3rd order (North Fork to Soldier Creek)	9.7	MILES
ID17050122SW011_04	Little Squaw Creek - 4th order (Soldier Creek to mouth)	1.71	MILES
ID17050122SW012_02	Soldier Creek - 1st and 2nd order	20.5	MILES
ID17050122SW013_02	Pine Creek - 1st and 2nd order	34.3	MILES
ID17050122SW013_03	Pine Creek - 3rd order (between Cottonwood and Squaw Creeks)	2.65	MILES
ID17050122SW014_02	Second Fork Squaw Creek - 1st and 2nd order	42.43	MILES
ID17050122SW014_02L	Sage Hen Reservoir	176.79	ACRES

2012 Integrated Report: Category 2: Full Support

ID17050122SW014_03	Second Fork Squaw Creek - 3rd order section	8.43	MILES
ID17050122SW015_02	Bissel Creek - 1st and 2nd order	28.48	MILES
ID17050122SW015_03	Bissel Creek - upper 3rd order	5.71	MILES
ID17050122SW018_03	Little Willow Creek - Paddock Valley Dam to Indian Creek	5.85	MILES
ID17050122SW020L_0L	Paddock Valley Reservoir	1190.37	ACRES

17050123 North Fork Payette

ID17050123SW001_02	North Fork Payette River - 1st and 2nd order	141.03	MILES
ID17050123SW001_02L	Blue Lake	12.98	ACRES
ID17050123SW003_01L	East Mountain Reservoir	18.33	ACRES
ID17050123SW003_02L	Herrick Reservoir	39.7	ACRES
ID17050123SW004_02	Big Creek - 1st and 2nd order	54.95	MILES
ID17050123SW004_03	Big Creek - upper 3rd order (Snag Creek to Horsethief Creek)	8.72	MILES
ID17050123SW005_02	Horsethief Creek- entire drainage above Horsethief Reservoir	3.47	MILES
ID17050123SW005_02L	Horsethief Reservoir	248.8	ACRES
ID17050123SW006_0L	Smalley Reservoir	14.73	ACRES
ID17050123SW008_02	Gold Fork - 1st and 2nd order	64.34	MILES
ID17050123SW008_03	NF and SF Gold Fork - 3rd order sections	3.31	MILES
ID17050123SW008_04	Gold Fork - North Fork to Kenally Creek	5.52	MILES
ID17050123SW009_02	Flat Creek - entire drainage	10.2	MILES
ID17050123SW010_02	Kennally, Rapid and Sloans Creeks - 1st and 2nd order	91.89	MILES
ID17050123SW010_02L	Rapid Creek Lakes	21.79	ACRES
ID17050123SW010_03	Kennally and Rapid Creeks - 3rd order	9.26	MILES
ID17050123SW010_04	Kennally Creek - Rapid Creek to Gold Fork River	6.21	MILES
ID17050123SW011_01L	Boulder Meadows Reservoir	30.7	ACRES
ID17050123SW011_02a	Boulder/Willow Creeks - 1st and 2nd order forested sections	42.32	MILES
ID17050123SW011_0L	Louie Lake and Upper Jug Creek Reservoir	51.3	ACRES
ID17050123SW013_02	Little Payette Lake - 1st and 2nd order tributaries	3.58	MILES
ID17050123SW013L_0L	Little Payette Lake	1439.35	ACRES
ID17050123SW014_02	Lake Fork above Little Payette Lake - 1st & 2nd tributaries	63.51	MILES
ID17050123SW014_03	Lake Fork - Browns Pond to Little Payette Lake	2.16	MILES
ID17050123SW014_03a	Lake Fork - 3rd order (South Fork to Browns Pond)	2.31	MILES
ID17050123SW016_02	Mill, Duffner, and Williams Creeks - 1st and 2nd order	38.51	MILES
ID17050123SW016_04	North Fork Payette River - Payette Lake to Cascade Reservoir	20.39	MILES
ID17050123SW017_02	Payette Lake - Westside tributaries inc. Deadhorse & Landing	15.22	MILES
ID17050123SW018_01L	Pearl Lake	8.83	ACRES

2012 Integrated Report: Category 2: Full Support

ID17050123SW018_03	North Fork Payette River - 3rd order	11.37	MILES
ID17050123SW019_02	Upper Payette Lake tributaries - Cougar and Camp Creeks	6.62	MILES
ID17050123SW019L_0L	Upper Payette Lake	301.62	ACRES
ID17050123SW020_02	Twentymile Creek - 1st and 2nd order	10.74	MILES
ID17050123SW020_03	Twentymile Creek - 3rd order	3.15	MILES
ID17050123SW021_02	NF Payette River above Upper Payette Lake - entire drainage	18.33	MILES
ID17050123SW022_01L	Granite Lake	187.73	ACRES
ID17050123SW022_02	Fisher Creek - 1st and 2nd order	22.43	MILES

17050124

Weiser

ID17050124SW002_02	Cove Creek - entire watershed	44.72	MILES
ID17050124SW004L_0L	Crane Creek Reservoir	2315.68	ACRES
ID17050124SW007_02	Weiser River - 1st and 2nd order (upstream of Keithly Creek)	206.66	MILES
ID17050124SW007_03	Weiser River - 3rd order (Price Valley to East Fork)	16.89	MILES
ID17050124SW007_04	Weiser River - East Fork to West Fork	8.43	MILES
ID17050124SW007_04a	Weiser River - West Fork to Hornet Creek	7.87	MILES
ID17050124SW008_02	Little Weiser River tributaries - 1st and 2nd order	79.78	MILES
ID17050124SW008_03a	Little Weiser River - upper 3rd order (forested)	6.52	MILES
ID17050124SW009_02L	Ben Ross Reservoir	291.57	ACRES
ID17050124SW011_02	Anderson Creek - entire drainage	16.22	MILES
ID17050124SW014_02	Middle Fork Weiser River - 1st and 2nd order	79.94	MILES
ID17050124SW014_03a	Middle Fork Weiser River - upper 3rd order (forested)	11.98	MILES
ID17050124SW015_02	Cottonwood Creek - 1st and 2nd order	18.18	MILES
ID17050124SW015_03	Cottonwood Creek - 3rd order (North Fork to mouth)	7.36	MILES
ID17050124SW016_02	East Fork Weiser River - 1st and 2nd order	32.08	MILES
ID17050124SW016_03	East Fork Weiser River - Fourth Gulch to Weiser River	2.28	MILES
ID17050124SW017_02	West Fork Weiser River - 1st and 2nd order except Lost Creek	37.37	MILES
ID17050124SW017_03	West Fork Weiser River - 3rd order (Corral Creek to mouth)	12.78	MILES
ID17050124SW018_02	Lost Creek - Lost Valley Reservoir Dam to mouth	14.94	MILES
ID17050124SW019_02L	Lost Valley Reservoir	522.48	ACRES
ID17050124SW020_02	Lost Creek - entire drainage above Lost Valley Reservoir	26.18	MILES
ID17050124SW021_02	Hornet Creek - 1st and 2nd order	96.35	MILES
ID17050124SW021_04	Hornet Creek - 4th order (North Fork to Weiser River)	7.89	MILES
ID17050124SW022_02	Johnson Creek - 1st & 2nd order	16.52	MILES
ID17050124SW022_03	Johnson Creek - 3rd order (Orchid Canyon to mouth)	6.21	MILES
ID17050124SW023_02	Goodrich Creek - entire drainage	20.27	MILES

2012 Integrated Report: Category 2: Full Support

ID17050124SW024_02	Cow Creek - entire drainage	14.46	MILES
ID17050124SW025_02	Rush Creek and Beaver Creeks - 1st and 2nd order	36.07	MILES
ID17050124SW027_02	Pine Creek - 1st and 2nd order	82	MILES
ID17050124SW027_03	Pine Creek - 3rd order	14.66	MILES
ID17050124SW027_04	Pine Creek - 4th order (West Pine Creek to Weiser River)	3.77	MILES
ID17050124SW028_02	Keithly Creek & tributaries - 1st and 2nd order	61.86	MILES
ID17050124SW031_03	Mann Creek - lower 3rd order	0.62	MILES
ID17050124SW031L_0L	Mann Creek Reservoir	269.34	ACRES
ID17050124SW032_02	Mann Creek - 1st and 2nd order above Mann Creek Reservoir	57.21	MILES
ID17050124SW032_03	Mann Creek - 3rd order above Mann Creek Reservoir	10.15	MILES

17050201 Brownlee Reservoir

ID17050201SW001_02	Tributaries to Snake River - 1st and 2nd order	33.62	MILES
ID17050201SW009_02	Grouse Creek - 1st and 2nd order	14.5	MILES
ID17050201SW011_03	Wolf Creek - 3rd order	3.9	MILES
ID17050201SW013_02	Sturgill Creek - 1st and 2nd order	27.51	MILES
ID17050201SW014_02	Brownlee Creek & tributaries - 1st & 2nd order	64.04	MILES
ID17050201SW014_03	West & Middle Brownlee Creeks - 3rd order sections	4.33	MILES
ID17050201SW014_04	Brownlee Creek - 4th order	2.07	MILES
ID17050201SW017_02	Indian Creek - 1st and 2nd order	45.05	MILES
ID17050201SW017_03	Indian Creek - 3rd order (Huntley Gulch to mouth)	9.3	MILES

Upper Snake

17040104 Palisades

ID17040104SK003_02	SNAKE RIVER - Fall Creek to Black Canyon Creek	76.05	MILES
ID17040104SK004_02	Pritchard Creek - source to mouth	16.36	MILES
ID17040104SK005_04	Fall Creek - South Fork Fall Creek to mouth	5.81	MILES
ID17040104SK007_02	South Fork Fall Creek - source to mouth	17.48	MILES
ID17040104SK007_03	South Fork Fall Creek - source to mouth	5.07	MILES
ID17040104SK014_04	McCoy Creek - Fish Creek to Palisades Reservoir	4.98	MILES
ID17040104SK015_04	McCoy Creek - Iowa Creek to Fish Creek	4.75	MILES
ID17040104SK019_02	McCoy Creek - source to Clear Creek	16.39	MILES
ID17040104SK019_03	McCoy Creek - source to Clear Creek	3.65	MILES
ID17040104SK021_03	Fish Creek - source to mouth	2.57	MILES
ID17040104SK024_03	Indian Creek - Idaho/Wyoming border to Palisades Reservoir	3.2	MILES
ID17040104SK025_04	Big Elk Creek - Idaho/Wyoming border to Palisades Reservoir	4.72	MILES

2012 Integrated Report: Category 2: Full Support

ID17040104SK027_03	Palisades Creek - source to mouth	16.42	MILES
ID17040104SK029_02	Pine Creek - source to mouth	82.81	MILES
ID17040104SK031_03	Burnt Canyon Creek - source to mouth	2.96	MILES

17040105

Salt

ID17040105SK001_02a	King Creek	5.67	MILES
ID17040105SK002_02	Jackknife Creek - source to Idaho/Wyoming border	28.22	MILES
ID17040105SK002_02a	Deep Creek	9.57	MILES
ID17040105SK002_02b	Trail Creek	12.09	MILES
ID17040105SK002_03	Jackknife Creek - source to Idaho/Wyoming border	6.64	MILES
ID17040105SK002_03a	Squaw Creek	3.1	MILES
ID17040105SK003_02f	Corral Creek	3.7	MILES
ID17040105SK003_02h	Marshall Canyon	2.11	MILES
ID17040105SK003_03	Tincup Creek - source to Idaho/Wyoming border	19.41	MILES
ID17040105SK004_02	South Fork Tincup Creek - source to mouth	12.93	MILES
ID17040105SK004_02a	Brush Creek	3.59	MILES
ID17040105SK004_02b	Crooked Creek	3.36	MILES
ID17040105SK005_02a	Limekiln Creek	4.3	MILES
ID17040105SK005_02b	Toms Canyon	7.19	MILES
ID17040105SK005_02c	Deer Creek	4.82	MILES
ID17040105SK006_02a	Flat Valley Creek	2.83	MILES
ID17040105SK006_02b	Bechler Creek	5.39	MILES
ID17040105SK006_02e	Hyde Canyon	7.03	MILES
ID17040105SK006_02h	Mill Canyon	3.82	MILES
ID17040105SK006_02i	Horse Creek	10.2	MILES
ID17040105SK006_03	upper Stump Creek	3	MILES
ID17040105SK006_03a	lower Boulder Creek	2.88	MILES
ID17040105SK007_02d	Tygee Creek	18.64	MILES
ID17040105SK007_02e	upper Webster Creek	9.17	MILES
ID17040105SK008_02b	Clear Creek	4.52	MILES
ID17040105SK008_03a	Wells Canyon	1.16	MILES
ID17040105SK009_02a	upper Sage Creek	5.18	MILES
ID17040105SK010_02b	North Fork Deer Creek	3.18	MILES
ID17040105SK010_03	Deer Creek - source to mouth	3.16	MILES

17040202

Upper Henrys

ID17040202SK007_02	Porcupine Creek - source to mouth	16.34	MILES
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2012 Integrated Report: Category 2: Full Support

ID17040202SK008_03	Rock Creek - Wyoming Creek to mouth	7.72	MILES
ID17040202SK010_02	Rock Creek - source to Wyoming Creek	9.48	MILES
ID17040202SK011_03	Robinson Creek - Idaho/Wyoming border and sources west of bo	13.65	MILES
ID17040202SK012_02	Snow Creek - source to mouth	16.53	MILES
ID17040202SK013_02	Fish Creek - source to mouth	24.39	MILES
ID17040202SK014_05	Henrys Fork - Thurman Creek to Warm River	26.58	MILES
ID17040202SK018_02a	Chick Creek	15.93	MILES
ID17040202SK021_02	Henrys Fork-Confluence of Big Springs and Henrys Lake Outlet	18.4	MILES
ID17040202SK024_02	Thirsty Creek - Idaho/ Wyoming border to mouth	37.72	MILES
ID17040202SK025_04	Henrys Lake Outlet - Henrys Lake Dam to mouth	20.06	MILES
ID17040202SK027_03	Reas Pass Creek - source to sink	2	MILES
ID17040202SK028_02	Jones Creek - source to mouth	7.15	MILES
ID17040202SK029_02	Jesse Creek - source to mouth	5.84	MILES
ID17040202SK031_02	Tygee Creek - source to sink	10.46	MILES
ID17040202SK036_02	Duck Creek - source to mouth	14.54	MILES
ID17040202SK040_02	Hotel Creek - source to mouth	21.76	MILES
ID17040202SK040_03	Hotel Creek - source to mouth	3.51	MILES
ID17040202SK041_02	Yale Creek - source to mouth	11.25	MILES
ID17040202SK042_02	Blue Creek - source to mouth	10.67	MILES
ID17040202SK044_02	Icehouse Creek - source to Island Park Reservoir	17.18	MILES
ID17040202SK046_04	Willow Creek - source to mouth	9.99	MILES
ID17040202SK047_02	Myers Creek - source to mouth	20.78	MILES
ID17040202SK048_03	Sheridan Creek -source to Kilgore Road (T13N, R41E, Sec. 07)	3.89	MILES

17040203

Lower Henrys

ID17040203SK005_05	Falls River - Stream order 5 segments	4.88	MILES
ID17040203SK006_04	Conant Creek - Idaho/Wyoming border to Squirrel Creek	6.2	MILES
ID17040203SK008_03	Squirrel Creek - Idaho/Wyoming border to mouth	17.08	MILES

17040204

Teton

ID17040204SK001_05	South Fork Teton River - Teton River Forks to Henrys Fork	33.14	MILES
ID17040204SK008_02	Canyon Creek - Warm Creek to mouth	116.44	MILES
ID17040204SK008_04	Canyon Creek - Warm Creek to mouth	11.25	MILES
ID17040204SK013_02	Milk Creek - source to mouth	42.91	MILES
ID17040204SK022_02	Horseshoe Creek - source to pipeline diversion	15.31	MILES
ID17040204SK022_03	Horseshoe Creek - source to pipeline diversion	2.23	MILES
ID17040204SK023_02	Twin Creek - source to mouth	9.94	MILES

2012 Integrated Report: Category 2: Full Support

ID17040204SK024_03	Mahogany Creek -pipeline diversion (NE ¼, Sec. 27, T4N, R44)	7	MILES
ID17040204SK027_02	Henderson Creek - source to sink	2.92	MILES
ID17040204SK030_02	Patterson Creek - source to pump diversion	5.21	MILES
ID17040204SK033_02	Little Pine Creek - source to mouth	11.6	MILES
ID17040204SK035_02	Trail Creek - Trail Creek pipeline diversion	7.87	MILES
ID17040204SK037_02	Game Creek - source to diversion	0.72	MILES
ID17040204SK038_02	Trail Creek - Idaho/Wyoming border to Trail Creek pipeline	7.44	MILES
ID17040204SK038_03	Trail Creek - Idaho/Wyoming border to Trail Creek pipeline	3	MILES
ID17040204SK039_02	Moose Creek - Idaho/Wyoming border to mouth	1.28	MILES
ID17040204SK047_02	Teton Creek - Highway 33 bridge to mouth	6.34	MILES
ID17040204SK048_02	Teton Creek - Idaho/Wyoming border to Highway 33 bridge	5.74	MILES
ID17040204SK059_03	Badger Creek - source to diversion	2.18	MILES
ID17040204SK063_04	Bitch Creek - Swanner Creek to mouth	7.4	MILES
ID17040204SK065_03	Bitch Creek - Idaho/Wyoming border to Swanner Creek	9.08	MILES

17040205

Willow

ID17040205SK001_05	Willow Creek - Ririe Reservoir Dam to Eagle Rock Canal	5.48	MILES
ID17040205SK002_05L	Ririe Reservoir (Willow Creek)	1414.58	ACRES
ID17040205SK009_03	Mud Creek - source to mouth	1.1	MILES
ID17040205SK023_02	Gravel Creek - source to mouth	21.53	MILES

17040206

American Falls

ID17040206SK010_02a	Crystal Creek	6.82	MILES
ID17040206SK012_02	Midnight Creek - source to mouth	14.67	MILES
ID17040206SK013_02	Michaud Creek - source to mouth	18.63	MILES

17040207

Blackfoot

ID17040207SK002_02a	Beaver Creek	7.12	MILES
ID17040207SK002_02c	Trail Creek	5.14	MILES
ID17040207SK010_02	Mill Canyon (west)	35.65	MILES
ID17040207SK017_02a	upper Timothy Creek	4.95	MILES
ID17040207SK020_02	Browns Canyon	10.05	MILES
ID17040207SK027_02a	Horse Creek	11.08	MILES
ID17040207SK028_02	Miner Creek - source to mouth	15.71	MILES
ID17040207SK028_02a	Menassa Creek	2.4	MILES

17040208

Portneuf

ID17040208SK001_02a	Cusick Creek	4.93	MILES
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2012 Integrated Report: Category 2: Full Support

ID17040208SK003_02a	Gibson Jack Creek - upper and middle	14.67	MILES
ID17040208SK006_02b	upper Yago Creek	4.51	MILES
ID17040208SK006_02c	lower Yago Creek	3.61	MILES
ID17040208SK006_02d	upper Aspen Creek	5.05	MILES
ID17040208SK006_02e	Left Hand Fork Marsh Creek	6.87	MILES
ID17040208SK006_02f	Potter Creek	5.2	MILES
ID17040208SK007_02a	Upper Walker Creek - headwaters to S. FK. Walker Creek	10.73	MILES
ID17040208SK008_02a	Upper Bell Marsh Creek - headwaters to USFS boundary	6.72	MILES
ID17040208SK015_02a	Mill Creek	13.07	MILES
ID17040208SK016_02a	King Creek	21.97	MILES
ID17040208SK016_02d	Harkness Creek	5.7	MILES
ID17040208SK016_02e	Robbers Roost Creek - headwaters to Portneuf River	7.17	MILES
ID17040208SK016_02f	Upper Rock Creek	4.61	MILES
ID17040208SK016_02g	Lower Rock Creek	6.67	MILES
ID17040208SK016_03a	Fish Creek	4.81	MILES
ID17040208SK023_03	lower Rapid Creek	5.62	MILES
ID17040208SK026_02	North Fork Pocatello Creek - source to mouth	6.36	MILES

17040209 Lake Walcott

ID17040209SK003_02	Marsh Creek - source to mouth	170.72	MILES
ID17040209SK005_07	Snake River - Raft River to Lake Walcott	4.57	MILES
ID17040209SK006_07	Snake River - Rock Creek to Raft River	13.13	MILES
ID17040209SK008_03	Rock Creek	7.64	MILES
ID17040209SK011_07	Snake River - American Falls Reservoir Dam to Rock Creek	13.36	MILES
ID17040209SK012_02	Warm Creek - source to mouth	23.08	MILES

17040210 Raft

ID17040210SK004_02	Conner Creek - source to mouth	23.68	MILES
ID17040210SK011_02	Grape Creek - source to mouth	62.17	MILES
ID17040210SK012_02	Edwards Creek - source to mouth	68.23	MILES

17040211 Goose

ID17040211SK001_02	Big Cottonwood Creek - source to mouth	64.98	MILES
ID17040211SK001_03	Big Cottonwood Creek - source to mouth	17.46	MILES
ID17040211SK005_02	Goose Creek - Beaverdam Cr. to Lower Goose Cr. Reservoir	86.74	MILES
ID17040211SK008_03	Goose Creek - source to Idaho/Utah border	3.12	MILES
ID17040211SK008_04	Goose Creek - source to Idaho/Utah border	6.07	MILES

2012 Integrated Report: Category 2: Full Support

ID17040211SK010_02	Blue Hill Creek and tribs. to Goose Creek	17.96	MILES
ID17040211SK010_03	Blue Hill Creek - source to mouth	2.96	MILES
ID17040211SK013_02	Mill Creek - source to mouth	53.12	MILES
ID17040211SK013_03	Mill Creek - source to mouth	4.32	MILES

17040212 Upper Snake-Rock

ID17040212SK004_03	Tuana Gulch - source to mouth	14.1	MILES
ID17040212SK017_02	Fifth Fork Rock Creek - source to mouth	26.26	MILES
ID17040212SK018_02	Rock Creek - source to Fifth Fork Rock Creek	54.39	MILES
ID17040212SK018_03	Rock Creek - source to Fifth Fork Rock Creek	6.64	MILES
ID17040212SK018_04	Rock Creek - source to Fifth Fork Rock Creek	8.13	MILES
ID17040212SK022_02	Dry Creek - source to mouth	45.86	MILES
ID17040212SK024_02	East Fork Dry Creek - source to mouth	14.76	MILES
ID17040212SK039_03	Deer Creek - source to mouth trib to Clover Creek	0.86	MILES

17040214 Beaver-Camas

ID17040214SK001_06	Camas Creek - Beaver Creek to Mud Lake	16.13	MILES
ID17040214SK006_02	Ching Creek - source to mouth	83.83	MILES
ID17040214SK012_02	West Camas Creek - Targhee National Forest Boundary	12.85	MILES
ID17040214SK022_02	Idaho Creek - source to mouth	8.68	MILES
ID17040214SK023_02	Pleasant Valley Creek - source to mouth	23.33	MILES

17040216 Birch

ID17040216SK002_04	Birch Creek - Pass Creek to Reno Ditch	9.09	MILES
ID17040216SK009_02	Willow Creek - source to mouth	25.35	MILES
ID17040216SK015_03	Pass Creek - source to mouth	5.98	MILES

17040217 Little Lost

ID17040217SK001_02	Little Lost River - canal (T06N, R28E) to playas	160.27	MILES
ID17040217SK001_02a	Warm Spring Creek	8.01	MILES
ID17040217SK004_02	North Creek - source to mouth	23.76	MILES
ID17040217SK005_02	Uncle Ike Creek - source to mouth	30.61	MILES
ID17040217SK008_02	Badger Creek - source to mouth	14.5	MILES
ID17040217SK008_03	Badger Creek - source to mouth	6.56	MILES
ID17040217SK012_02	Sawmill Creek - Warm Creek to mouth	33.14	MILES
ID17040217SK013_02	Warm Creek - source to mouth	4.97	MILES
ID17040217SK016_02	Bear Creek - source to mouth	4.67	MILES
ID17040217SK018_02	Timber Creek - source to mouth	10.8	MILES

2012 Integrated Report: Category 2: Full Support

ID17040217SK019_02	Summit Creek - source to mouth	47.36	MILES
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17040218

Big Lost

ID17040218SK009_02	Pass Creek - source to mouth	50.16	MILES
ID17040218SK019_02	Rock Creek - source to mouth	16.79	MILES
ID17040218SK024_02	Big Lost River - Burnt Creek to Thousand Springs Creek	98.65	MILES
ID17040218SK024_03	Big Lost River - Burnt Creek to Thousand Springs Creek	1.4	MILES
ID17040218SK025_02	Big Lost River - Summit Creek to and including Burnt Creek	30.42	MILES
ID17040218SK027_02	North Fork Big Lost River - source to mouth	67.68	MILES
ID17040218SK028_03	Summit Creek - source to mouth	0.55	MILES
ID17040218SK029_02	Kane Creek - source to mouth	18.06	MILES
ID17040218SK030_02	Wildhorse Creek - Fall Creek to mouth	7.57	MILES
ID17040218SK031_02	Wildhorse Creek - source to Fall Creek	26.82	MILES
ID17040218SK032_04	Fall Creek - source to mouth	2.22	MILES
ID17040218SK036_02	Star Hope Creek - source to Lake Creek	20.4	MILES
ID17040218SK037_02	Muldoon Canyon Creek - source to mouth	25.95	MILES
ID17040218SK038_02	Lake Creek - source to mouth	13.69	MILES
ID17040218SK040_02	Cabin Creek - source to mouth	13.83	MILES
ID17040218SK044_02	Navarre Creek - source to mouth	20.86	MILES
ID17040218SK044_03	Navarre Creek - source to mouth	3.2	MILES
ID17040218SK045_02	Alder Creek - source to mouth	64.47	MILES
ID17040218SK045_03	Alder Creek - source to mouth	9.38	MILES
ID17040218SK050_04	Lupine Creek - source to mouth	4.72	MILES
ID17040218SK051_02	Left Fork Cherry Creek - source to mouth	16.17	MILES
ID17040218SK052_02	Antelope Creek - Iron Bog Creek to Dry Fork Creek	24.21	MILES
ID17040218SK053_02	Bear Creek - source to mouth	23.58	MILES
ID17040218SK054_03	Iron Bog Creek - confluence of Left and Right Fork Iron Bog	2.15	MILES
ID17040218SK055_02	Right Fork Iron Bog Creek - source to mouth	16.31	MILES
ID17040218SK056_02	Left Fork Iron Bog Creek - source to mouth	6.79	MILES

17040219

Big Wood

ID17040219SK007_02	Big Wood River - North Fork Big Wood River to Seamans Creek	82.69	MILES
ID17040219SK007_03	Big Wood River - North Fork Big Wood River to Seamans Creek	8.49	MILES
ID17040219SK007_04	Big Wood River - North Fork Big Wood River to Seamans Creek	8.75	MILES
ID17040219SK010_04	East Fork Wood River - Hyndman Creek to mouth	6.22	MILES
ID17040219SK012_02	Hyndman Creek - source Creek to mouth	35.49	MILES
ID17040219SK012_03	Hyndman Creek - source Creek to mouth	8.11	MILES

2012 Integrated Report: Category 2: Full Support

ID17040219SK013_04	Trail Creek - Corral Creek to mouth	9.95	MILES
ID17040219SK014_02	Trail Creek - source to and including Corral Creek	60.09	MILES
ID17040219SK014_03	Trail Creek - source to and including Corral Creek	6.24	MILES
ID17040219SK017_02	North Fork Big Wood River - source to mouth	38.68	MILES
ID17040219SK017_03	North Fork Big Wood River - source to mouth	5.66	MILES
ID17040219SK018_02	Big Wood River - source to North Fork Big Wood River	115.27	MILES
ID17040219SK018_03	Big Wood River - source to North Fork Big Wood River	6.85	MILES
ID17040219SK018_04	Big Wood River - source to North Fork Big Wood River	13.05	MILES
ID17040219SK019_02	Boulder Creek - source to mouth	11.12	MILES
ID17040219SK020_02	Prairie Creek - source to mouth	17.84	MILES
ID17040219SK020_03	Prairie Creek - source to mouth	2.64	MILES
ID17040219SK021_02	Baker Creek - source to mouth	50.56	MILES
ID17040219SK021_03	Baker Creek - source to mouth	7.75	MILES
ID17040219SK022_02	Fox Creek - source to mouth	9.67	MILES
ID17040219SK023_02	Warm Springs Creek - Thompson Creek to mouth	40.43	MILES
ID17040219SK023_04	Warm Springs Creek - Thompson Creek to mouth	13.51	MILES
ID17040219SK024_04	Warm Springs Creek - source to and including Thompson Creek	5.12	MILES
ID17040219SK026_02	Deer Creek - source to mouth	61.65	MILES
ID17040219SK026_03	Deer Creek - source to mouth	12.85	MILES

17040220

Camas

ID17040220SK005_02	Willow Creek - source to Beaver Creek	53.17	MILES
ID17040220SK005_03	Willow Creek - source to Beaver Creek	4.84	MILES
ID17040220SK011_03	Soldier Creek - Wardrop Creek to mouth	5.92	MILES
ID17040220SK012_02	Soldier Creek - source to and including Wardrop Creek	60.87	MILES
ID17040220SK012_03	Soldier Creek - source to and including Wardrop Creek	6.53	MILES
ID17040220SK016_02	East Fork Corral Creek - source to mouth	14.59	MILES
ID17040220SK017_02	West Fork Corral Creek - source to mouth	10.31	MILES
ID17040220SK019_02	Chimney Creek - source to mouth	31.98	MILES
ID17040220SK020_02	Negro Creek - 1st and 2nd order	21.23	MILES
ID17040220SK021_02	Wildhorse Creek - 1st and 2nd order	35.57	MILES
ID17040220SK022_02	Malad River - 1st and 2nd order	36.32	MILES
ID17040220SK022_03	Malad River - 3rd order	8.75	MILES

17040221

Little Wood

ID17040221SK013_05	Little Wood River-Muldoon Cr. to Little Wood River Reservoir	2.47	MILES
ID17040221SK017_03	Friedman Creek - Trail Creek to mouth	5.92	MILES

2012 Integrated Report: Category 2: Full Support

ID17040221SK018_02	Trail Creek - source to mouth	16.22	MILES
ID17040221SK019_02	Friedman Creek - source to Trail Creek	11.13	MILES
ID17040221SK020_02	Little Wood River - source to Muldoon Creek.	96.17	MILES
ID17040221SK020_03	Little Wood River - source to Muldoon Creek	7.37	MILES
ID17040221SK020_04	Little Wood River - source to Muldoon Creek	12.77	MILES
ID17040221SK020_05	Little Wood River - source to Muldoon Creek	1.11	MILES
ID17040221SK021_02	Baugh Creek - source to mouth	49.02	MILES
ID17040221SK021_04	Baugh Creek - source to mouth	3.8	MILES

Appendix F. Category 3—waters of the state with insufficient data and information to determine if beneficial uses are being attained.

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2012 Integrated Report: Category 3: Waters with Insufficient Data to Determine if Any Standards are Attained

2012 Integrated Report: Category 3: Unassessed Waters

Bear River

16010102

Central Bear

ID16010102BR001_02	Intermittent tributaries of Central Bear Subbasin	49.28	MILES
ID16010102BR002_02	Pegram Creek - source to mouth	53.25	MILES
ID16010102BR003_02	Thomas Fork - Idaho/Wyoming border to mouth	30.86	MILES
ID16010102BR003_02L	Upper Gardiner Reservoir (dam)	4.39	ACRES
ID16010102BR004_03	Raymond Creek - Idaho/Wyoming border to mouth	0.22	MILES
ID16010102BR008_02L	Sheep Creek Reservoir	23.55	ACRES

16010201

Bear Lake

ID16010201BR000_02	Unclassified Waters	56.98	MILES
ID16010201BR000_03	Unclassified Waters	0.32	MILES
ID16010201BR000_04	Unclassified Waters	1.99	MILES
ID16010201BR001_02	Unnamed tributary to Alexander Reservoir	1.23	MILES
ID16010201BR002_02L	Per Reservoir	40.57	ACRES
ID16010201BR002_03	Bear River	2.55	MILES
ID16010201BR002_0L	Welling Number Two Dam	11.98	ACRES
ID16010201BR005_02b	upper Pearl Creek	6.28	MILES
ID16010201BR006_02	Stauffer Creek - source to mouth	6.33	MILES
ID16010201BR006_03a	Spring Creek	1.12	MILES
ID16010201BR009_02	Ovid Creek - confluence of North and Mill Creek to mouth	27.73	MILES
ID16010201BR009_02L	Little Valley Reservoir	33.6	ACRES
ID16010201BR010_02	North Creek - source to mouth	18.06	MILES
ID16010201BR011_02	Mill Creek - source to mouth	17.7	MILES
ID16010201BR011_03	Lower Mill Creek	3.87	MILES
ID16010201BR012_05	Bear Lake Outlet - Lifton Station to Bear River	7.78	MILES
ID16010201BR012_05L	Mud Lake	3.12	ACRES
ID16010201BR012_0L	Lifton Station to Bear River	3265.23	ACRES
ID16010201BR013_02	Lower Paris Creek	27.37	MILES
ID16010201BR013_02L	Unnamed Waterbody to Paris Creek	10.44	ACRES
ID16010201BR014_02	Bloomington Creek - source to mouth	32.41	MILES
ID16010201BR014_02L	Bloomington Creek - Source to Mouth	157.18	ACRES

2012 Integrated Report: Category 3: Unassessed Waters

ID16010201BR015_02	Spring Creek - source to mouth	2.54	MILES
ID16010201BR015_03	Spring Creek - St. Charles Cr to Mud Lake	2.69	MILES
ID16010201BR016_02	Little and St. Charles Creeks - source to Bear Lake	7.09	MILES
ID16010201BR017_02	Dry Canyon Creek - source to mouth	16.77	MILES
ID16010201BR018_02	Bear Lake	58.93	MILES
ID16010201BR018_0L	Bear Lake	34453.92	ACRES
ID16010201BR019_02	Fish Haven Creek - source to Bear Lake	3.11	MILES
ID16010201BR019_02b	Fish Haven Creek	2.02	MILES
ID16010201BR022_02	Georgetown Creek - source to mouth	35.74	MILES
ID16010201BR022_03	Georgetown Creek - source to mouth	3.61	MILES
ID16010201BR023_02	Soda Creek - Soda Creek Reservoir Dam to Alexander Reservoir	13.04	MILES

16010202

Middle Bear

ID16010202BR001_02	Spring Creek - source to Idaho/Utah border	13.46	MILES
ID16010202BR001_03	Spring Creek - source to Idaho/Utah border	3.25	MILES
ID16010202BR002_02	Cub River	3.23	MILES
ID16010202BR005_03L	Johnson Reservoir (Lamont Reservoir)	43.2	ACRES
ID16010202BR005_0L	Lamont Reservoir	84.54	ACRES
ID16010202BR005_0La	Hinkley Reservoir	26.84	ACRES
ID16010202BR006_00L	Nielson Reservoir (dam)	15.91	ACRES
ID16010202BR006_01L	Nash Reservoir (Dam)	16.04	ACRES
ID16010202BR006_02L	Tingey Dam (Reservoir)	20.48	ACRES
ID16010202BR007_02c	Mink Creek	3.59	MILES
ID16010202BR008_02	Oneida Narrows Reservoir	12.11	MILES
ID16010202BR014_02	Cottonwood Creek - source to Oneida Narrows Reservoir	21.21	MILES
ID16010202BR014_02L	Stock Valley Reservoir (dam)	18.67	ACRES
ID16010202BR015_02L	Casperson Reservoir	105.33	ACRES
ID16010202BR015_03L	Casperson Reservoir (dam)	19.33	ACRES
ID16010202BR015_04L	Strongarm Reservoir #1	151.94	ACRES
ID16010202BR015_0L	Winder Reservoir	75.86	ACRES
ID16010202BR016_01L	Twin Lakes Reservoir	437.28	ACRES
ID16010202BR017_02	Oxford Slough	24.6	MILES
ID16010202BR018_02	Swan Lake Creek Complex	19.05	MILES
ID16010202BR018_02c	Stockton Creek	19.68	MILES
ID16010202BR018_02L	Stockton Creek Reservoir	31.72	ACRES

2012 Integrated Report: Category 3: Unassessed Waters

ID16010202BR018_03	Swan Lake Creek Complex	2.51	MILES
ID16010202BR018_03L	Swan Lake	61.7	ACRES
ID16010202BR020_02e	Weston Creek	5.31	MILES

16010203 Little Bear-Logan

ID16010203BR002_02a	Logan River	8.1	MILES
ID16010203BR002_02b	Hodge Nibley Creek	2.93	MILES

16010204 Lower Bear-Malad

ID16010204BR001_02	Malad River - Little Malad River to Idaho/Utah border	58.92	MILES
ID16010204BR002_03L	Saint Johns Reservoir	10.01	ACRES
ID16010204BR003_02L	Devil Creek Reservoir	85.1	ACRES
ID16010204BR005_02	Deep Creek - Deep Creek Reservoir Dam to mouth	15.72	MILES
ID16010204BR006L_0L	Deep Creek Reservoir	63.37	ACRES
ID16010204BR007_02L	Upper Deep Creek Reservoir	25.69	ACRES
ID16010204BR008_04L	Billy Snipe Reservoir	4.3	ACRES
ID16010204BR009L_0L	Daniels Reservoir	361.49	ACRES
ID16010204BR010_02	Wright Creek - source to Daniels Reservoir	32.21	MILES
ID16010204BR013_02	Samaria Creek - source to mouth	29.74	MILES
ID16010204BR013_03	Samaria Creek - source to mouth	4.58	MILES

16020309 Curlew Valley

ID16020309BR001_02	Deep Creek - Rock Creek to Idaho/Utah border	376.97	MILES
ID16020309BR001_02L	Sweeten Reservoir	18.32	ACRES
ID16020309BR001_03L	Stone Reservoir	123.92	ACRES
ID16020309BR002_02	Deep Creek - source to Rock Creek	86.06	MILES
ID16020309BR002_03	Deep Creek - source to Rock Creek	18.35	MILES
ID16020309BR003_02	Rock Creek - source to mouth	60.92	MILES
ID16020309BR003_03	Rock Creek - source to mouth	6.52	MILES

Clearwater

17060108 Palouse

ID17060108CL002_02	South Fork Palouse River - Gnat Creek to ID/WA border	21.97	MILES
ID17060108CL004a_02	Gnat Creek - source to T40N, R05W, Sec. 26	5.83	MILES
ID17060108CL004b_02	Gnat Creek - T40N, R05W, Sec. 26 to mouth	1.87	MILES
ID17060108CL006a_02	Missouri Flat Creek - source to T40N, R5W, Sec. 17	1.26	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17060108CL006b_02	Missouri Flat Creek - T40N, R5W, Sec. 17 to ID/WA border	5.81	MILES
ID17060108CL007a_02	Fourmile Creek - source to T40N, R5W, Sec. 5	2.64	MILES
ID17060108CL007b_02	Fourmile Creek - T40N, R5W, Sec. 5 to ID/WA border	11.46	MILES
ID17060108CL008a_02	Silver Creek - source to T43, R5W, Sec. 29	0.81	MILES
ID17060108CL008b_02	Silver Creek - T43, R5W, Sec. 29 to Idaho/Washington border	5.57	MILES
ID17060108CL009_02	Palouse River - Deep Creek to ID/WA border; tribs	29.62	MILES
ID17060108CL009_04	Palouse River - Deep Creek to Idaho/Washington border	8.84	MILES
ID17060108CL010_04	Palouse River - Hatter Creek to Deep Creek	6.18	MILES
ID17060108CL016_02	Palouse River - Strychnine Creek to Hatter Creek	43.79	MILES
ID17060108CL017_03	Flat Creek - source to mouth	0.2	MILES
ID17060108CL018_03	Palouse River - source to Strychnine Creek	4.53	MILES
ID17060108CL023_02	Meadow Creek - East Fork Meadow Creek to mouth	1.08	MILES
ID17060108CL033a_02	Cedar Creek - source to T43N, R05W, Sec. 28	0.22	MILES
ID17060108CL033b_02	Cedar Creek - T43N, R05W, Sec. 28 to Idaho/Washington border	11.41	MILES

17060109

Rock

ID17060109CL001_02	South Fork Pine Creek - source to Idaho/Washington border	7.82	MILES
ID17060109CL002_02	North Fork Pine Creek - source to Idaho/Washington border	7.39	MILES
ID17060109CL003_02	Unnamed Trib.-source to ID/WA border (T44N, R05W,Sec18)	5.54	MILES

17060301

Upper Selway

ID17060301CL053_02	Bear Creek - source to Wahoo Creek	18.37	MILES
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17060302

Lower Selway

ID17060302CL001_06	Selway River - O'Hara Creek to mouth	6.93	MILES
ID17060302CL004_02	West Fork O'Hara Creek - source to mouth	11.13	MILES
ID17060302CL005_02	East Fork O'Hara Creek - source to mouth	6.54	MILES
ID17060302CL006_06	Selway River - Meadow Creek to O'Hara Creek	12.27	MILES
ID17060302CL007_02	Falls Creek - source to mouth	9.61	MILES
ID17060302CL008_02	Meadow Creek - Buck Lake Creek to mouth	29.67	MILES
ID17060302CL008_03	Meadow Creek - Buck Lake Creek to mouth	0.37	MILES
ID17060302CL009_02	Horse Creek - source to mouth	17.48	MILES
ID17060302CL010_02	Fivemile Creek - source to mouth	17.46	MILES
ID17060302CL011_02	Little Boulder Creek - source to mouth	9.83	MILES
ID17060302CL012_02	Meadow Creek - East Fork Meadow Creek to Buck Lake Creek	31.69	MILES
ID17060302CL014_02	Sable Creek - source to mouth	15.21	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17060302CL016_02	Meadow Creek - source to East Fork Meadow Creek	41.25	MILES
ID17060302CL016_03	Meadow Creek - source to East Fork Meadow Creek	12.18	MILES
ID17060302CL016_04	Meadow Creek - source to East Fork Meadow Creek	5.15	MILES
ID17060302CL017_02	Butter Creek - source to mouth	5.86	MILES
ID17060302CL018_02	Three Prong Creek - source to mouth	14.51	MILES
ID17060302CL018_03	Three Prong Creek - source to mouth	2.89	MILES
ID17060302CL019_03	East Fork Meadow Creek - source to mouth	1.62	MILES
ID17060302CL022_06	Selway River - Moose Creek to Meadow Creek	20.98	MILES
ID17060302CL027_02	Moose Creek - East Fork Moose Creek to mouth	5.51	MILES
ID17060302CL050_02	Gedney Creek - West Fork Gedney Creek to mouth	4.26	MILES
ID17060302CL051_02	Gedney Creek - source to West Fork Gedney Creek	18.95	MILES
ID17060302CL051_03	Gedney Creek - source to West Fork Gedney Creek	1.5	MILES
ID17060302CL052_02	West Fork Gedney Creek - source to mouth	28.64	MILES
ID17060302CL052_03	West Fork Gedney Creek - source to mouth	4.13	MILES

17060303

Lochsa

ID17060303CL002_02	Kerr Creek - source to mouth	7.32	MILES
ID17060303CL003_02	Lochsa River - Old Man Creek to Deadman Creek	10.83	MILES
ID17060303CL004_02	Coolwater Creek - source to mouth	11.06	MILES
ID17060303CL005_02	Fire Creek - source to mouth	21.85	MILES
ID17060303CL006_02	Split Creek - source to mouth	16.32	MILES
ID17060303CL007_02	Old Man Creek - source to mouth	42.03	MILES
ID17060303CL007_03	Old Man Creek - source to mouth	9.56	MILES
ID17060303CL008_02	Lochsa River - Fish Creek to Old Man Creek	23.59	MILES
ID17060303CL014_02	Sponge Creek - Fish Lake Creek to mouth	3.4	MILES
ID17060303CL014_03	Sponge Creek - Fish Lake Creek to mouth	5.36	MILES
ID17060303CL017_02	Warm Springs Creek - Wind Lakes Creek to mouth	28.94	MILES
ID17060303CL019_02	Wind Lakes Creek - source to mouth	16.99	MILES
ID17060303CL020_02a	Un-named Tributaries	4.45	MILES
ID17060303CL021_02	Jay Creek - source to mouth	5.89	MILES
ID17060303CL022_02	Cliff Creek - source to mouth	6.22	MILES
ID17060303CL024_02	White Sand Creek - Storm Creek to mouth	13.93	MILES
ID17060303CL024_04	White Sand Creek - Storm Creek to mouth	9.91	MILES
ID17060303CL025_04	White Sand Creek - source to Storm Creek	4.25	MILES
ID17060303CL026_03	Colt Creek - source to mouth	4.47	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17060303CL027_02L	Hoodoo Lake	8.22	ACRES
ID17060303CL033_02	Beaver Creek - source to mouth	13.07	MILES
ID17060303CL033_03	Beaver Creek - source to mouth	0.62	MILES
ID17060303CL034_02	Crooked Fork - Brushy Fork to mouth	13.97	MILES
ID17060303CL034_05	Crooked Fork - Brushy Fork to mouth	6.89	MILES
ID17060303CL035_04	Brushy Fork - Spruce Creek to mouth	4.67	MILES
ID17060303CL037_02	Brushy Fork - source to Spruce Creek	12.51	MILES
ID17060303CL038_04	Crooked Fork - source to Brushy Fork	6.61	MILES
ID17060303CL045_02	Squaw Creek - source to mouth	6.96	MILES
ID17060303CL046_02	West Fork Waw'aalamnime Creek - source to mouth	6.41	MILES
ID17060303CL048_02L	Indian Postoffice Lake	4.6	ACRES
ID17060303CL049_02	Weir Creek - source to mouth	15.12	MILES
ID17060303CL053_02	Willow Creek - source to mouth	14.55	MILES
ID17060303CL053_03	Willow Creek - source to mouth	1.03	MILES
ID17060303CL054_02	Hungry Creek - Obia Creek to mouth	17.79	MILES
ID17060303CL054_03	Hungry Creek - Obia Creek to mouth	7.77	MILES
ID17060303CL059_02	Deadman Creek - East Fork Deadman Creek to mouth	0.98	MILES
ID17060303CL060_02	East Fork Deadman Creek - source to mouth	17.02	MILES
ID17060303CL060_03	East Fork Deadman Creek - source to mouth	0.64	MILES

17060304 Middle Fork Clearwater

ID17060304CL001_03	Middle Fork Clearwater River - confluence of Lochsa	0.96	MILES
ID17060304CL001_05	Middle Fork Clearwater River - confluence of Lochsa	22.91	MILES
ID17060304CL002_02	Clear Creek - South Fork Clear Creek to mouth	36.67	MILES
ID17060304CL003_02	West Fork Clear Creek - source to mouth	13.57	MILES
ID17060304CL004_02	South Fork Clear Creek - source to mouth	25.75	MILES
ID17060304CL004_03	South Fork Clear Creek - source to mouth	6.86	MILES
ID17060304CL005_02	Kay Creek - source to mouth	8.61	MILES
ID17060304CL006_03	Clear Creek - source to South Fork Clear Creek	3.37	MILES
ID17060304CL007_03	Middle Fork Clear Creek - source to mouth	1.84	MILES
ID17060304CL011_03	Maggie Creek - source to mouth	6.31	MILES

17060306 Clearwater

ID17060306CL001_02	Lower Granite Dam pool	20.81	MILES
ID17060306CL001_03	Lower Granite Dam pool	0.08	MILES
ID17060306CL002_02	Clearwater River - Potlatch River to Lower Granite Dam pool	39.47	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17060306CL003_02a	Mann's Reservoir	0.44	MILES
ID17060306CL004_02	Lapwai Creek - Sweetwater Creek to mouth	28.58	MILES
ID17060306CL005_02	Sweetwater Creek - Webb Creek to mouth	7.93	MILES
ID17060306CL008_02	Lapwai Creek - Winchester Lake to Sweetwater Creek	50.62	MILES
ID17060306CL011_02	Mission Creek - source to mouth	75.52	MILES
ID17060306CL012_02	Tom Beall Creek - source to mouth	20.22	MILES
ID17060306CL012_03	Tom Beall Creek - source to mouth	1.14	MILES
ID17060306CL013_02	Clearwater River - North Fork Clearwater River to mouth	56.34	MILES
ID17060306CL013_03	Clearwater River - North Fork Clearwater River to mouth	0.15	MILES
ID17060306CL014_02	Cottonwood Creek - source to mouth	51.85	MILES
ID17060306CL017_02	Cold Springs Creek - source to mouth	23.28	MILES
ID17060306CL017_03	Cold Springs Creek - source to mouth	2.23	MILES
ID17060306CL018_02	Little Canyon Creek - confluence of Holes and Long Hollow Cr	33.07	MILES
ID17060306CL021_02	Clearwater River - Lolo Creek to North Fork Clearwater River	35.52	MILES
ID17060306CL021_06	Clearwater River - Lolo Creek to North Fork Clearwater River	13.1	MILES
ID17060306CL022_06	Clearwater River - confluence of South and Middle Fork Clear	19.3	MILES
ID17060306CL026_03	Lolo Creek - Yakus Creek to mouth	2.59	MILES
ID17060306CL033_02	Big Creek - source to mouth	12.49	MILES
ID17060306CL034_02	Jim Ford Creek	13.27	MILES
ID17060306CL037_02	Winter Creek - Winter Creek waterfall (3.4 miles upstream)	6.63	MILES
ID17060306CL039_04	Orofino Creek - source to mouth	29.85	MILES
ID17060306CL040_02	Whiskey Creek - source to mouth	18.48	MILES
ID17060306CL042_02	Louse Creek - source to mouth	19.56	MILES
ID17060306CL044_02	Potlatch River - Big Bear Creek to mouth	15.81	MILES
ID17060306CL045_02	Potlatch River - Corral Creek to Big Bear Creek	30.52	MILES
ID17060306CL046_03	Cedar Creek - source to mouth	2.68	MILES
ID17060306CL048_02	Potlatch River - Moose Creek to Corral Creek	15.63	MILES
ID17060306CL050_02	Little Boulder Creek - source to mouth	6.64	MILES
ID17060306CL056_02	Big Bear Creek	25.39	MILES
ID17060306CL057_03	East Fork Big Bear Creek - source to mouth	3.48	MILES
ID17060306CL057_04	East Fork Big Bear Creek - source to mouth	0.34	MILES
ID17060306CL058_02	West Fork Big Bear Creek - source to mouth	15.44	MILES
ID17060306CL059_02	Dry Creek - source to mouth	16.51	MILES
ID17060306CL059_03	Dry Creek - source to mouth	2.74	MILES
ID17060306CL060_02	Little Bear Creek - source to mouth	37.45	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17060306CL063_02	Bethel Canyon - source to mouth	16.31	MILES
ID17060306CL064_02	Little Potlatch Creek - source to mouth	62.33	MILES
ID17060306CL065_02	Howard Gulch - source to mouth	12.13	MILES

17060307

Upper North Fork Clearwater

ID17060307CL001_02	North Fork Clearwater River-Skull Ck. to Aquarius Campground	13.74	MILES
ID17060307CL001_05	North Fork Clearwater River-Skull Ck. to Aquarius Campground	6.87	MILES
ID17060307CL002_05	North Fork Clearwater River- Washington Creek to Skull Creek	12.83	MILES
ID17060307CL004_05	North Fork Clearwater River - Orogrande Creek to Washington	6.73	MILES
ID17060307CL007_02	French Creek - source to Sylvan Creek	12.72	MILES
ID17060307CL008_02	North Fork Clearwater River - Weitas Creek to Orogrande Cr.	17.15	MILES
ID17060307CL008_05	North Fork Clearwater River -Weitas Creek to Orogrande Creek	4.23	MILES
ID17060307CL009_02	Weitas Creek - Hemlock Creek to mouth	29.85	MILES
ID17060307CL009_03	Weitas Creek - Hemlock Creek to mouth	2.04	MILES
ID17060307CL009_04	Weitas Creek - Hemlock Creek to mouth	6.6	MILES
ID17060307CL011_02	Weitas Creek - Windy Creek to Hemlock Creek	38.3	MILES
ID17060307CL013_02	Little Weitas Creek - source to mouth	32.35	MILES
ID17060307CL013_03	Little Weitas Creek - source to mouth	5.44	MILES
ID17060307CL014_02	Weitas Creek - source to Windy Creek	46.13	MILES
ID17060307CL014_03	Weitas Creek - source to Windy Creek	3.01	MILES
ID17060307CL014_04	Weitas Creek - source to Windy Creek	5.16	MILES
ID17060307CL015_02	Windy Creek - source to mouth	17.62	MILES
ID17060307CL016_02	North Fork Clearwater River - Kelly Creek to Weitas Creek	28.56	MILES
ID17060307CL016_05	North Fork Clearwater River - Kelly Creek to Weitas Creek	14.13	MILES
ID17060307CL017_02	Fourth of July Creek - source to mouth	42.05	MILES
ID17060307CL017_03	Fourth of July Creek - source to mouth	9.97	MILES
ID17060307CL018_02	Kelly Creek - Cayuse Creek to mouth	36.15	MILES
ID17060307CL018_03	Kelly Creek - Cayuse Creek to mouth	1.05	MILES
ID17060307CL018_05	Kelly Creek - Cayuse Creek to mouth	16.47	MILES
ID17060307CL019_02	Cayuse Creek - Gravey Creek to mouth	22.66	MILES
ID17060307CL019_04	Cayuse Creek - Gravey Creek to mouth	16.43	MILES
ID17060307CL022_02	Cayuse Creek - source to Gravey Creek	57.85	MILES
ID17060307CL022_03	Cayuse Creek - source to Gravey Creek	15.32	MILES
ID17060307CL023_02	Toboggan Creek - source to mouth	26.97	MILES
ID17060307CL028_02	Moose Creek - Osier Creek to mouth	3.05	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17060307CL028_03	Moose Creek - Osier Creek to mouth	2.27	MILES
ID17060307CL032_02	North Fork Clearwater River - Lake Creek to Kelly Creek	8.19	MILES
ID17060307CL032_04	North Fork Clearwater River - Lake Creek to Kelly Creek	18.64	MILES
ID17060307CL033_02	Lake Creek - source to mouth	31.37	MILES
ID17060307CL034_02	North Fork Clearwater River - Vanderbilt Gulch to Lake Creek	8.44	MILES
ID17060307CL034_03	North Fork Clearwater River - Vanderbilt Gulch to Lake Creek	5.04	MILES
ID17060307CL036_02	North Fork Clearwater River - source to Vanderbilt Gulch	28.58	MILES
ID17060307CL037_02	Vanderbilt Gulch - source to mouth	14.45	MILES
ID17060307CL038_02	Meadow Creek - source to mouth	30.25	MILES
ID17060307CL041_02	Sprague Creek - source to mouth	1.92	MILES
ID17060307CL044_02	Quartz Creek - source to mouth	5.7	MILES
ID17060307CL046_02	Skull Creek - Collins Creek to mouth	5.66	MILES

17060308

Lower North Fork Clearwater

ID17060308CL002_02	Dworshak Reservoir tributaries	259.7	MILES
ID17060308CL002_03	Dworshak Reservoir 3rd Order Tribs.	11	MILES
ID17060308CL002_05	Dworshak Reservoir	24.69	MILES
ID17060308CL002_06L	Dworshak Reservoir	16508.87	ACRES
ID17060308CL006_02	Silver Creek - source to Dworshak Reservoir	31.54	MILES
ID17060308CL006_03	Silver Creek - source to Dworshak Reservoir	3.66	MILES
ID17060308CL007_02	Benton Creek - source to Dworshak Reservoir	16.61	MILES
ID17060308CL008_02	Marquette Creek - source to mouth	1.92	MILES
ID17060308CL008_04	North Fork Clearwater River	0.2	MILES
ID17060308CL008_05	North Fork Clearwater River - Aquarius Cmpgrd to Dworshak R.	2.9	MILES
ID17060308CL011_02	Little North Fork Clearwater River	47.26	MILES
ID17060308CL011_03	Little North Fork Clearwater River	1.53	MILES
ID17060308CL011_05	Little North Fork Clearwater River	13.64	MILES
ID17060308CL012_02	Little North Fork Clearwater R.-Spotted Louis to Foehl Creek	10.14	MILES
ID17060308CL012_04	Little North Fork Clearwater R.-Spotted Louis to Foehl Creek	4.33	MILES
ID17060308CL014_02	Canyon Creek - source to mouth	42.43	MILES
ID17060308CL014_03	Canyon Creek - source to mouth	3.31	MILES
ID17060308CL014_04	Canyon Creek - source to mouth	6.65	MILES
ID17060308CL015_02	Spotted Louis Creek - source to mouth	11.7	MILES
ID17060308CL016_02	Little North Fork Clearwater R.-Rutledge Cr.to Spotted Louis	25.42	MILES
ID17060308CL016_02L	Steamboat Lake	7.91	ACRES

2012 Integrated Report: Category 3: Unassessed Waters

ID17060308CL016_04	Little North Fork Clearwater -Rutledge Cr. to Spotted Louis	5.73	MILES
ID17060308CL018_01L	Fish Lake	5.89	ACRES
ID17060308CL018_02	Little North Fork Clearwater R.- source to Rutledge Creek	50.18	MILES
ID17060308CL018_02L	Lost Lake	27.02	ACRES
ID17060308CL018_04	Little North Fork Clearwater River - source to Rutledge Cr.	2.77	MILES
ID17060308CL019_02	Foehl Creek - source to mouth	28.43	MILES
ID17060308CL019_03	Foehl Creek - source to mouth	4.03	MILES
ID17060308CL022_02	Glover Creek - source to mouth	27.94	MILES
ID17060308CL026_02	Gold Creek - source to Dworshak Reservoir	22.47	MILES
ID17060308CL026_03	Gold Creek - source to Dworshak Reservoir	5.03	MILES
ID17060308CL027_02	Weitas Creek - source to Dworshak Reservoir	9.77	MILES
ID17060308CL031_02	Bull Run Creek - conf. of Squaw and Shattuck Creeks to mouth	7.44	MILES
ID17060308CL031_03	Bull Run Creek - conf. of Squaw and Shattuck Creeks to mouth	4.99	MILES
ID17060308CL032_02	Shattuck Creek - source to mouth	8.09	MILES
ID17060308CL033_02	Squaw Creek - source to mouth	18.3	MILES
ID17060308CL033_03	Squaw Creek - source to mouth	0.75	MILES
ID17060308CL035_02	Dicks Creek - source to Dworshak Reservoir	16.87	MILES
ID17060308CL035_03	Dicks Creek - source to Dworshak Reservoir	0.65	MILES

Panhandle

17010101

Upper Kootenai

ID17010101PN003_02	South Callahan Creek - Glad Creek to Idaho/Montana border	3.13	MILES
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17010104

Lower Kootenai

ID17010104PN001_01L	Unnamed Waterbody near Watson Spur	59.48	ACRES
ID17010104PN002_02L	Saddle Lake	1.68	ACRES
ID17010104PN003_02L	Marsh Lake	4.07	ACRES
ID17010104PN013_02L	Myrtle Creek Lakes	8.52	ACRES
ID17010104PN015_02	Deep Creek - Snow Creek to mouth	1.57	MILES
ID17010104PN016_01L	Snow and Corner Lakes	10.55	ACRES
ID17010104PN017_02L	Roman Nose Lakes	33.56	ACRES
ID17010104PN018_02	Deep Creek - Brown Creek to Snow Creek	6.1	MILES
ID17010104PN020_02a	Gold Creek	2.51	MILES
ID17010104PN022_02	Tributaries to Deep Creek - below McArthur Lake	5.05	MILES
ID17010104PN023_02	White Creek	1	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17010104PN024_04	Dodge Creek - headwaters to Dodge Cr	8.25	MILES
ID17010104PN026_03a	Trail Creek - Highway to mouth	0.88	MILES
ID17010104PN027_02	Brown Creek - upper, headwaters to Brown Creek	14.19	MILES
ID17010104PN029_02	Kootenai River Tributaries - Moyie River to Deep Creek	16.57	MILES
ID17010104PN029_02a	Dobson Creek	15.63	MILES
ID17010104PN029_02L	Dawson Lake	29.75	ACRES
ID17010104PN031_01L	Bonner Lake	21.49	ACRES
ID17010104PN031_02	Kootenai River - tributaries, Idaho/Montana to Moyie River	42.79	MILES
ID17010104PN031_02L	Herman Lake	30.63	ACRES
ID17010104PN035_02	Curley Creek - upper from Perkins Lake and unnamed tribs	9.6	MILES
ID17010104PN035_02L	Perkins Lake (Curley Creek)	53.11	ACRES
ID17010104PN036_02	Fleming Creek - upper	27.63	MILES
ID17010104PN037_02	Rock Creek - upper	20.9	MILES
ID17010104PN038_02	Mission Creek - Brush Creek to mouth	3.77	MILES

17010105

Moyie

ID17010105PN002_05	Moyie River - Meadow Creek to Moyie Falls Dam	7.87	MILES
ID17010105PN005_05	Moyie River - Round Prairie Creek to Meadow Creek	10.38	MILES
ID17010105PN006_02L	Spruce Lake	6.09	ACRES
ID17010105PN006_05	Moyie River - Idaho/Canadian border to Round Prairie Creek	7.24	MILES
ID17010105PN008_02	Round Prairie Creek - Gillon Creek to mouth	3.23	MILES
ID17010105PN008_03	Round Prairie Creek - Gillon Creek to mouth	3.67	MILES
ID17010105PN009_02L	Robinson Lake (Gillon Creek)	53.75	ACRES

17010213

Lower Clark Fork

ID17010213PN001_02	Clark Fork River Delta - Mosquito Creek to Pend Oreille Lake	8.26	MILES
ID17010213PN001_03	Clark Fork River Delta - Mosquito Creek to Pend Oreille Lake	1.2	MILES
ID17010213PN001_04	Clark Fork River Delta - Mosquito Creek to Pend Oreille Lake	1.51	MILES
ID17010213PN006_02	West Fork Elk Creek - source to Idaho/Montana border	3.86	MILES
ID17010213PN007_02	West Fork Blue Creek - source to Idaho/Montana border	4.69	MILES
ID17010213PN008_02	Gold Creek - source to Idaho/Montana border	7.49	MILES
ID17010213PN016_02L	Porcupine Lake	10.48	ACRES
ID17010213PN021_02a	Cougar Creek	3.2	MILES

17010214

Pend Oreille Lake

ID17010214PN001_02	Pend Oreille River - tribs, Priest River to Albeni Falls Dam	10.28	MILES
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2012 Integrated Report: Category 3: Unassessed Waters

ID17010214PN002_02	Tribs to PDO River between Long Bridge and Priest River	17.68	MILES
ID17010214PN002_02a	Unname trib. to Syringa Creek - source to mouth	2.1	MILES
ID17010214PN002_02b	Unnamed Tributaries	5.8	MILES
ID17010214PN002_02L	Morton Slough	124.22	ACRES
ID17010214PN002_03	Lower Hornby Creek	4.88	MILES
ID17010214PN002_03a	Syringa Creek and Tributaries	1.69	MILES
ID17010214PN003_02L	Hoodoo Lake	92.62	ACRES
ID17010214PN003_03	Hoodoo Creek - source to mouth	3.53	MILES
ID17010214PN004_02	Kelso Lake outlet Creek	7.07	MILES
ID17010214PN004_02L	Kelso - Round Lakes	60.76	ACRES
ID17010214PN005_02	Granite Lake Tributaries	3.51	MILES
ID17010214PN005L_0L	Granite Lake	18.42	ACRES
ID17010214PN006_01L	Beaver Lake	17.26	ACRES
ID17010214PN006_02	Beaver Lake - Stream Order 1 & 2 Tribs	9.66	MILES
ID17010214PN006_02L	Lambertson Lake	21.47	ACRES
ID17010214PN007_02	Spirit Creek - source to mouth	6.59	MILES
ID17010214PN007_03	Spirit Creek - source to mouth	4.76	MILES
ID17010214PN008_02	Blanchard Lake Stream Order 01 & 02 Tribs	21.84	MILES
ID17010214PN008_02a	Poirier Creek and tributaries	21.69	MILES
ID17010214PN008_02L	Blanchard Lake	134.69	ACRES
ID17010214PN008_03L	Lake San Souci	30.19	ACRES
ID17010214PN008_04	Blanchard Lake	2.94	MILES
ID17010214PN008_04L	Blanchard Creek Diversion	27.68	ACRES
ID17010214PN009_02	01 & 02 Tribs to Spirit Lake	3.88	MILES
ID17010214PN011_02	Jewell Lake	8.22	MILES
ID17010214PN011_02L	Jewel Lake	32.38	ACRES
ID17010214PN011_03	Jewell Lake	1.83	MILES
ID17010214PN012_04L	Round Lake	43.04	ACRES
ID17010214PN013_02	Cocolalla Lake Tributaries	9.36	MILES
ID17010214PN013_02a	Westmond Creek and Tributaries	8.84	MILES
ID17010214PN013_02L	Unnamed Lake Westmond Creek	7.78	ACRES
ID17010214PN016_02	Fry Creek - source to mouth	11.25	MILES
ID17010214PN018_02	West side first and second order tribs. to Pend Oreille Lake	28.9	MILES
ID17010214PN019_02L	Gamble Lake	102.62	ACRES
ID17010214PN020_0L	Mirror Lake	84.87	ACRES

2012 Integrated Report: Category 3: Unassessed Waters

ID17010214PN037_02L	Beaver Lake	4.16	ACRES
ID17010214PN040_0L	Walsh Lake	36.47	ACRES
ID17010214PN041_02L	Harrison Lake	28.85	ACRES
ID17010214PN045_02L	Caribou Lake	5.88	ACRES
ID17010214PN055_02	Carr Creek - tributaries	2.38	MILES
ID17010214PN056_02	Unnamed Tributary to Carr Creek	9.39	MILES
ID17010214PN061_02	Unnamed tributary to Pend Oreille River	2.43	MILES

17010215

Priest

ID17010215PN001_02	Lower Priest River - Upper West Branch Priest River to mouth	83.6	MILES
ID17010215PN001_02L	Mirror Lake	6.45	ACRES
ID17010215PN001_03	Lower Priest River - Upper West Branch Priest River to mouth	3.41	MILES
ID17010215PN001_03L	Blue Lake	66.84	ACRES
ID17010215PN002_02	Big Creek - source to mouth	16.67	MILES
ID17010215PN004_02L	Unnamed Lake - Lost Creek	4.06	ACRES
ID17010215PN005_02	Lower Priest River - Priest Lake to Upper West Branch Priest	2.79	MILES
ID17010215PN005_05	Lower Priest River - Priest Lake to Upper West Branch Priest	8.79	MILES
ID17010215PN006L_0L	Priest Lake	23341.56	ACRES
ID17010215PN007_02	Chase Lake	1.58	MILES
ID17010215PN007L_0L	Chase Lake	174.25	ACRES
ID17010215PN009_02L	Hunt Lake	13.89	ACRES
ID17010215PN012_02L	Standard Lakes	12.88	ACRES
ID17010215PN013_02L	Kent Lake	13.95	ACRES
ID17010215PN014_04	Priest Lake Thorofare - Upper Priest Lake to Priest Lake	2.75	MILES
ID17010215PN015_02L	Caribou Lakes	12.88	ACRES
ID17010215PN016L_0L	Upper Priest Lake	1340.77	ACRES
ID17010215PN018_04	Upper Priest River - Idaho/Canadian border to mouth	1.37	MILES
ID17010215PN020_02	Beaver Creek - source to mouth	12.67	MILES
ID17010215PN024_02	Kalispell Creek - Idaho/Washington border to mouth	32.74	MILES
ID17010215PN027_02	Upper West Branch Priest River	44.84	MILES
ID17010215PN028_02	Goose Creek - Idaho/Washington border to mouth	32.41	MILES
ID17010215PN029_02	Quartz Creek - source to mouth	14.65	MILES
ID17010215PN030_02	Lower West Branch Priest River	95.22	MILES
ID17010215PN031_02	Moore's Creek - source to mouth	25	MILES

17010216

Pend Oreille

2012 Integrated Report: Category 3: Unassessed Waters

ID17010216PN001_02	South Salmo River - headwaters to Idaho/Washington border	4.44	MILES
ID17010216PN002_02	Pend Oreille River tributaries, below Albeni Falls Dam	11.21	MILES
ID17010216PN002_02L	Freeman Lake - Freeman Creek	52.87	ACRES

17010301 Upper Coeur d Alene

ID17010301PN001_02a	NF Coeur d'Alene R tributaries btw Yellowdog and Prichard Cr	17.89	MILES
ID17010301PN002_02	Graham Creek, headwaters and tributaries	13.12	MILES
ID17010301PN005_02L	Revett Lake	16.25	ACRES
ID17010301PN010_02	Shoshone Creek tributaries, below Falls Creek	7.5	MILES
ID17010301PN013_02a	NF Coeur d'Alene R tributaries btw Jordan Cr and Tepee Cr	7.47	MILES
ID17010301PN017_02	Tepee Creek tributaries below Trail Creek	20.71	MILES
ID17010301PN018_03	Independence Creek, btw Ellis Cr. and Declaration Creek	0.78	MILES
ID17010301PN023_02	Flat Creek headwaters and tributaries	12.52	MILES
ID17010301PN027_03	Grizzly Creek between Dewey Cr and NFCDA River	1.12	MILES
ID17010301PN029_02	Cougar Gulch headwaters and tributaries	18.57	MILES
ID17010301PN030_02b	Hudlow Creek and tributaries	8.68	MILES

17010302 South Fork Coeur d Alene

ID17010302PN002_02	Pine Creek - East Fork Pine Creek to mouth	5.71	MILES
ID17010302PN007a_01L	Elsie Lake	14.3	ACRES
ID17010302PN007b_03	Big Creek - mining impact area to mouth	2.54	MILES
ID17010302PN008a_02	Shields Gulch - source to mining impact area	1.55	MILES
ID17010302PN008b_02	Shields Gulch - mining impact area to mouth	0.39	MILES
ID17010302PN009a_02L	Lost Lake	4.45	ACRES
ID17010302PN011_02	South Fork Coeur d'Alene Rive	33.09	MILES
ID17010302PN011_02L	Unnamed Lake Gold Creek	3.69	ACRES
ID17010302PN012_02	Willow Creek - source to mouth	4.27	MILES
ID17010302PN012_02L	Upper Stevens/Lone Lakes	39.09	ACRES
ID17010302PN015_02L	Upper Golden Lake	16.3	ACRES
ID17010302PN020_03	Bear Creek - source to mouth	2.12	MILES

17010303 Coeur d Alene Lake

ID17010303PN001_02a	French Gulch	1.64	MILES
ID17010303PN001_02b	Unnamed Tributary to Bennett Bay	2.01	MILES
ID17010303PN001_02c	Blue Creek	8.49	MILES
ID17010303PN001_02d	Neachen Creek, Unnamed Creek into Echo & Gotham Bay	6.67	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17010303PN001_02e	Unnamed Tribs to Powderhorn & Bell Bay	4.78	MILES
ID17010303PN001_02f	Delcaro Ck, Lyle Ck, Scott Ck, & Stinson Ck.	10.03	MILES
ID17010303PN006_02	Lake Creek - Idaho/Washington border to mouth	25.87	MILES
ID17010303PN007_02	Unnamed Tributary to Black Lake	4.51	MILES
ID17010303PN008_02	01 & 02 tribs to Anderson Lake	4.38	MILES
ID17010303PN009_02	Black Lake - Stream order 1 & 2	23.35	MILES
ID17010303PN009_03	Black Lake - Stream Order 03	1.01	MILES
ID17010303PN010_02	Medicine Lake - Stream order 1 & 2	9.52	MILES
ID17010303PN010_03	Evans Creek	0.53	MILES
ID17010303PN011_02	Willow Creek - source to mouth	7.59	MILES
ID17010303PN012_02	Evans Creek - source to mouth	12.26	MILES
ID17010303PN012_03	Evans Creek - source to mouth	2.48	MILES
ID17010303PN013_02	Robinson Creek - source to mouth	12.14	MILES
ID17010303PN014_02	Bull Run Creek Stream Order 1 & 2	4.55	MILES
ID17010303PN014_02L	Bull Run Lake	78.89	ACRES
ID17010303PN015_02L	Crystal Lake	8.93	ACRES
ID17010303PN016_02	Unnamed Tribs to CDA River between NF CDA River and Cataldo	3.92	MILES
ID17010303PN017_02	Skeel and Cataldo Creeks - source to mouth	10.94	MILES
ID17010303PN018_02	French Gulch - source to mouth	10	MILES
ID17010303PN019_02	Hardy and Hayden Gulch and Whitman Draw Creeks Complex	10.85	MILES
ID17010303PN021L_0L	Rose Lake	317.13	ACRES
ID17010303PN022_03	Tributary to Killarney Lake	1.58	MILES
ID17010303PN023_02	Tributaries to Swan Lake	6.49	MILES
ID17010303PN023L_0L	Swan Lake	435.22	ACRES
ID17010303PN024L_0L	Blue Lake	227.25	ACRES
ID17010303PN034_02a	Fernan Creek	0.7	MILES

17010304

St. Joe

ID17010304PN001_02	01 & 02 Tribs to Chatcolet Lake	4.77	MILES
ID17010304PN001L_0L	Chatcolet Lake	3546.35	ACRES
ID17010304PN002_02	Plummer Creek - source to mouth	46.87	MILES
ID17010304PN002_03	Plummer Creek - source to mouth	9.14	MILES
ID17010304PN002_04	Plummer Creek - source to mouth	2.26	MILES
ID17010304PN003_02	Pedee Creek - source to mouth	7.47	MILES
ID17010304PN004_02	Benewah Creek - source to mouth	59.57	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17010304PN004_03	Benewah Creek - source to mouth	11.33	MILES
ID17010304PN005_02	St. Joe River - St. Maries River to mouth	15.89	MILES
ID17010304PN005_06	St. Joe River - St. Maries River to mouth	9.18	MILES
ID17010304PN006_02	Cherry Creek - source to mouth	7.9	MILES
ID17010304PN007_02	St. Maries River - Santa Creek to mouth	14.35	MILES
ID17010304PN007_02a	Soldier Creek	5.74	MILES
ID17010304PN007_02b	1st and 2nd order tributaries to St. Maries River from Santa	42.18	MILES
ID17010304PN012_02	St. Maries River - Carpenter Creek to Santa Creek	25.02	MILES
ID17010304PN015_02	St. Maries River - confluence of West Fork and Middle Fork	30.47	MILES
ID17010304PN031_02	Marble Creek - Hobo Creek to mouth	21.89	MILES
ID17010304PN035_02	Marble Creek - source to Hobo Creek	32.91	MILES
ID17010304PN035_02L	Crater Lake	3.84	ACRES
ID17010304PN038_02	Boulder Creek - source to mouth	20.66	MILES
ID17010304PN039_02L	Crow Lake - Red Raven Creek	1.81	ACRES
ID17010304PN041_02L	Saint Joe and Frog Lakes	20.52	ACRES
ID17010304PN045_02L	Dismal Lake	5.96	ACRES
ID17010304PN049_02	Copper Creek - source to mouth	5.36	MILES
ID17010304PN054_02	Bruin Creek - source to mouth	4.06	MILES
ID17010304PN059_04	North Fork St. Joe River - Loop Creek to mouth	10.15	MILES
ID17010304PN062_02	Slate Creek - source to mouth	57.67	MILES
ID17010304PN064_02	Trout Creek - source to mouth	15.4	MILES
ID17010304PN065_02	Falls Creek - source to mouth	9.59	MILES
ID17010304PN068_02	Street Creek - source to mouth	10.42	MILES
ID17010304PN069_02	Deep Creek - source to mouth	21.38	MILES

17010305

Upper Spokane

ID17010305PN001_02	Liberty Creek - source to Idaho/Washington border	6.42	MILES
ID17010305PN002_03	Cable Creek - source to Idaho/Washington border	0.44	MILES
ID17010305PN003_02	Skalan Creek	4.59	MILES
ID17010305PN004_02	Tributaries to Spokane River - CDA Lake to Post Falls Dam	6.14	MILES
ID17010305PN004_02a	Blackwell Island Canal	0.77	MILES
ID17010305PN004_02b	Nettleton Gulch	3.81	MILES
ID17010305PN005_01L	Avondale Lake	57.32	ACRES
ID17010305PN005_02	Hayden Lake Tributaries to Lake and Rathdrum aquifer	22.32	MILES
ID17010305PN005_02L	Alpine and Avondale Lakes	73.32	ACRES

2012 Integrated Report: Category 3: Unassessed Waters

ID17010305PN005_0L	Chilco Lake	33.5	ACRES
ID17010305PN006_02	Yellowbanks Creek - source to mouth	6.94	MILES
ID17010305PN007_02	Jim Creek - source to mouth	2.49	MILES
ID17010305PN013_02	Twin Lakes	4.85	MILES
ID17010305PN015_03	Hauser Lake outlet - Hauser Lake to aquifer	3.22	MILES
ID17010305PN016_02	01 & 02 tribs to Hauser Lake	9.26	MILES

17010306

Hangman

ID17010306PN001_03a	Hangman Creek Tribal Boundary to WA State Line	18.65	MILES
ID17010306PN002_02	Little Hangman Creek - source to Idaho/Washington border	68.32	MILES
ID17010306PN002_03	Moctileme Creek	8.52	MILES
ID17010306PN002_04	Little Hangman Creek	3.89	MILES
ID17010306PN003_02	Rock Creek	15.92	MILES
ID17010306PN004_02	Rose Creek	24.01	MILES
ID17010306PN004_03	Middle Fork Rock Creek - source to Idaho/Washington border	1.8	MILES
ID17010306PN005_02	North Fork Rock Creek	35.89	MILES
ID17010306PN005_03	North Fork Rock Creek - source to Idaho/Washington border	6.1	MILES

17010308

Little Spokane

ID17010308PN001_02	McDonald Creek - source to mouth	18.13	MILES
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Salmon

17060101

Hells Canyon

ID17060101SL001_02	Snake River - Wolf Creek to Salmon River	44.1	MILES
ID17060101SL002_02	Snake River - Sheep Creek to Wolf Creek	18.69	MILES
ID17060101SL003_02	Snake River - Hells Canyon Dam to Sheep Creek	6.11	MILES
ID17060101SL005_02	Brush Creek - source to mouth	1.68	MILES
ID17060101SL006_03	Granite Creek - 3rd order (Devils Farm Creek to mouth)	3.11	MILES
ID17060101SL007_02	Little Granite Creek - source to mouth	6.76	MILES
ID17060101SL008_02	Bernard Creek - source to mouth	4.51	MILES
ID17060101SL009_02	Sheep Creek - confluence of West and East Fork Sheep Creeks	11.76	MILES
ID17060101SL009_03	Sheep Creek - confluence of West and East Fork Sheep Creeks	5.97	MILES
ID17060101SL013_02	Caribou Creek - source to mouth	3.47	MILES
ID17060101SL014_02	Kirkwood Creek - source to mouth	20.48	MILES
ID17060101SL014_03	Kirkwood Creek - source to mouth	1.98	MILES
ID17060101SL015_02	Kirby Creek - source to mouth	4.27	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17060101SL016_02	Corral Creek - source to mouth	12.21	MILES
ID17060101SL017_02	Klopton Creek - source to mouth	10.65	MILES
ID17060101SL018_02	Kurry Creek - source to mouth	12.97	MILES
ID17060101SL019_02	West Creek - source to mouth	6.05	MILES
ID17060101SL020_02	Big Canyon Creek - source to mouth	12.31	MILES
ID17060101SL020_03	Big Canyon Creek - source to mouth	3.76	MILES
ID17060101SL021_02	Jones Creek - source to mouth	2.69	MILES
ID17060101SL022_02	Highrange Creek - source to mouth	5.69	MILES
ID17060101SL024_02	Wolf Creek - Basin Creek to mouth	11.62	MILES
ID17060101SL026_02	Basin Creek - source to mouth	12.74	MILES
ID17060101SL027_02	Dry Creek - source to mouth	1.72	MILES
ID17060101SL027_03	Dry Creek - source to mouth	1.78	MILES

17060103 Lower Snake-Asotin

ID17060103SL001_02	Snake River	3.75	MILES
ID17060103SL002_02	Snake River-Captain John Creek to Asotin Creek	16.56	MILES
ID17060103SL002_08	Snake River - Captain John Creek to Asotin Creek	17.04	MILES
ID17060103SL003_02	Snake River - Cottonwood Creek to Captain John Creek	34.8	MILES
ID17060103SL003_08	Snake River - Cottonwood Creek to Captain John Creek	19.84	MILES
ID17060103SL004_02	Snake River - Salmon River to Cottonwood Creek	17.36	MILES
ID17060103SL005_02	Cottonwood Creek - source to mouth	15.05	MILES
ID17060103SL005_03	Cottonwood Creek - source to mouth	1.65	MILES
ID17060103SL006_02	Cave Gulch - source to mouth	7.16	MILES
ID17060103SL008_02	Middle Creek - source to mouth	3.54	MILES
ID17060103SL009_02	Dough Creek - source to mouth	4.15	MILES
ID17060103SL010_02	Billy Creek - source to mouth	6.61	MILES
ID17060103SL011_02	Captain John Creek - source to mouth	37.26	MILES
ID17060103SL011_02L	Lake Waha	94.14	ACRES
ID17060103SL011_03	Captain John Creek - source to mouth	4.15	MILES
ID17060103SL012_02	Redbird Creek - source to mouth	10.91	MILES
ID17060103SL013_02	Tenmile Canyon - source to mouth	16.57	MILES
ID17060103SL013_03	Tenmile Canyon - source to mouth	1.44	MILES
ID17060103SL015_02	Unnamed Tributary - source to mouth (T34N, R05W, Sec. 24)	6.22	MILES

17060201 Upper Salmon

ID17060201SL001_03	Salmon River - Pennal Gulch to Pahsimeroi River	17.56	MILES
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2012 Integrated Report: Category 3: Unassessed Waters

ID17060201SL001_06	Salmon River - Pennal Gulch to Pahsimeroi River	23.56	MILES
ID17060201SL002_02	Morgan Creek - West Creek to mouth	22.43	MILES
ID17060201SL007_02	Challis Creek - Darling Creek to mouth	2.47	MILES
ID17060201SL008_02	Darling Creek - source to mouth	20.08	MILES
ID17060201SL011_02L	Spruce Gulch Lake	10.93	ACRES
ID17060201SL012_02L	Mosquito Flat Reservoir	40.1	ACRES
ID17060201SL014_02	Salmon River - Garden Creek to Pennal Gulch	48.65	MILES
ID17060201SL014_03	Salmon River - Garden Creek to Pennal Gulch	6.31	MILES
ID17060201SL014_04	Salmon River - Garden Creek to Pennal Gulch	2.72	MILES
ID17060201SL014_06	Salmon River - Garden Creek to Pennal Gulch	10.81	MILES
ID17060201SL015_02L	Buster Lake	11.44	ACRES
ID17060201SL016_03	Salmon River - East Fork Salmon River to Garden Creek	2.33	MILES
ID17060201SL016_04	Salmon River - East Fork Salmon River to Garden Creek	2.25	MILES
ID17060201SL016_06	Salmon River - East Fork Salmon River to Garden Creek	15.94	MILES
ID17060201SL017_01L	Little Bayhorse Lake	15.03	ACRES
ID17060201SL017_02L	Bayhorse Lake	25.15	ACRES
ID17060201SL018_02	Lyon Creek - source to mouth	8.82	MILES
ID17060201SL024_02	Aspen Creek - source to mouth	5.58	MILES
ID17060201SL024_02L	Unnamed Lake - Trail Creek	3.68	ACRES
ID17060201SL027_02	Salmon River - Thompson Creek to Squaw Creek	21.11	MILES
ID17060201SL027_03	Salmon River - Thompson Creek to Squaw Creek	3.11	MILES
ID17060201SL029_02	Pat Hughes Creek -source to mouth	2.95	MILES
ID17060201SL031_02L	Elk Lake	4.1	ACRES
ID17060201SL033_02	Ramey Creek - source to mouth	12.21	MILES
ID17060201SL034_02L	Unnamed Lakes - Trib to Yankee Fork	5.05	ACRES
ID17060201SL041_02	Jordan Creek	3.93	MILES
ID17060201SL042_02	Jordan Creek - source to Unnamed Tributary	17.3	MILES
ID17060201SL043_02	West Fork Yankee Fork Creek - Lightning Creek to mouth	18.38	MILES
ID17060201SL043_03	West Fork Yankee Fork Creek - Lightning Creek to mouth	5.22	MILES
ID17060201SL044_02	Lightning Creek - source to mouth	18.18	MILES
ID17060201SL045_02	West Fork Yankee Fork Creek - source to Lightning Creek	21.27	MILES
ID17060201SL045_02L	West Fork Yankee Fork Lakes	16.67	ACRES
ID17060201SL045_03	West Fork Yankee Fork Creek - source to Lightning Creek	2.18	MILES
ID17060201SL046_02	Cabin Creek - source to mouth	9.51	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17060201SL048_02	Basin Creek - East Basin Creek to mouth	3.15	MILES
ID17060201SL049_02L	East Basin Lakes	13.39	ACRES
ID17060201SL050_04	Basin Creek - source to East Basin Creek	0.09	MILES
ID17060201SL051_03	Valley Creek - Trap Creek to mouth	6.37	MILES
ID17060201SL052_02	Stanley Creek - source to mouth	16.99	MILES
ID17060201SL052_03	Stanley Creek - source to mouth	1.86	MILES
ID17060201SL053_02	Valley Creek - source to Trap Creek	29.66	MILES
ID17060201SL053_02L	Valley Creek Lakes	25.32	ACRES
ID17060201SL054_02	Trap Creek - Meadow Creek to mouth	4.66	MILES
ID17060201SL059_02	Crooked Creek - source to mouth	6.65	MILES
ID17060201SL061_02	Goat Creek - source to mouth	9.92	MILES
ID17060201SL061_03	Goat Creek - source to mouth	0.03	MILES
ID17060201SL062_02	Meadow Creek - source to mouth	8.17	MILES
ID17060201SL062_03	Meadow Creek - source to mouth	2.49	MILES
ID17060201SL063_02	Salmon River - Redfish Lake Creek to Valley Creek	6.12	MILES
ID17060201SL064_03	Redfish Lake Creek - Redfish Lake to mouth	2.58	MILES
ID17060201SL064_03L	Little Redfish Lake	64.08	ACRES
ID17060201SL066_02	Fishhook Creek	8.88	MILES
ID17060201SL066L_0L	Redfish Lake	1511.25	ACRES
ID17060201SL067_03	Redfish Lake Creek - source to Redfish Lake	3.93	MILES
ID17060201SL072_02	Salmon River - Fisher Creek to Decker Creek	2.51	MILES
ID17060201SL073_02	Salmon River - Alturas Lake Creek to Fisher Creek	5.15	MILES
ID17060201SL075_02L	Yellow Belly Lake	195.27	ACRES
ID17060201SL075_04	Alturas Lake Creek - Alturas Lake to mouth	7.02	MILES
ID17060201SL075_04L	Perkins Lake	48.1	ACRES
ID17060201SL076_01L	McDonald Lake	13.91	ACRES
ID17060201SL076_02	Toxaway/Farley Lake - source to mouth	10.8	MILES
ID17060201SL077_02	Unnamed Tributaries to Petit Lake	9.72	MILES
ID17060201SL077_02L	Pettit Lake	390.8	ACRES
ID17060201SL078_02	Unnamed Tributaries to Alturas Lake	1.29	MILES
ID17060201SL078L_0L	Alturas Lake	824.51	ACRES
ID17060201SL079_02	Alturas Lake Creek - source to Alturas Lake	13.39	MILES
ID17060201SL079_03	Alturas Lake Creek - source to Alturas Lake	2.6	MILES
ID17060201SL084_02	Frenchman Creek - source to mouth	9.42	MILES
ID17060201SL086_02	Champion Creek - source to mouth	19.68	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17060201SL088_03	Fisher Creek - source to mouth	0.71	MILES
ID17060201SL089_03	Williams Creek - source to mouth	1.46	MILES
ID17060201SL094_02	Warm Springs Creek - Swimm Creek to mouth	25.84	MILES
ID17060201SL099_0L	Hoodoo Lake	4.94	ACRES
ID17060201SL100_02	Holman Creek - source to mouth	9.33	MILES
ID17060201SL101_02	Sullivan Creek - source to mouth	14.53	MILES
ID17060201SL101_03	Sullivan Creek - source to mouth	3.48	MILES
ID17060201SL102_02	East Fork Salmon River - Herd Creek to mouth	28.25	MILES
ID17060201SL102_05	East Fork Salmon River - Herd Creek to mouth	10.37	MILES
ID17060201SL103_04	East Fork Salmon River - Germania Creek to Herd Creek	15.65	MILES
ID17060201SL104_02	Big Lake Creek - source to mouth	33.48	MILES
ID17060201SL104_03L	Jimmy Smith Lake	64.26	ACRES
ID17060201SL105_01L	Unnamed Lake - Trib to Big Boulder Creek	3.08	ACRES
ID17060201SL110_02	East Fork Salmon River - confluence of South and West Fork	20.43	MILES
ID17060201SL110_03	East Fork Salmon River - confluence of South and West Fork	5.89	MILES
ID17060201SL111_02	West Fork East Fork Salmon River - source to mouth	9.94	MILES
ID17060201SL115_02	Bowery Creek - source to mouth	24.41	MILES
ID17060201SL115_03	Bowery Creek - source to mouth	1.7	MILES
ID17060201SL116_02	Pine Creek - source to mouth	13.14	MILES
ID17060201SL117_02	McDonald Creek - source to mouth	10.14	MILES
ID17060201SL118_02	Herd Creek -confluence of West Fork Herd Creek and East Pass	23.74	MILES
ID17060201SL119_02	East Pass Creek - source to mouth	38.67	MILES
ID17060201SL119_03	East Pass Creek - source to mouth	3.44	MILES
ID17060201SL120_02	Taylor Creek - source to mouth	7.95	MILES
ID17060201SL121_02	West Fork Herd Creek - source to mouth	21.84	MILES
ID17060201SL121_03	West Fork Herd Creek - source to mouth	3.93	MILES
ID17060201SL122_02	East Fork Herd Creek - source to mouth	17.59	MILES
ID17060201SL122_03	East Fork Herd Creek - source to mouth	2.29	MILES
ID17060201SL124_02	Road Creek - Corral Basin Creek to mouth	17.03	MILES
ID17060201SL127_02	Corral Basin Creek - source to mouth	14.93	MILES
ID17060201SL127_03	Corral Basin Creek - source to mouth	1.57	MILES
ID17060201SL128_02	Horse Basin Creek - source to mouth	21.21	MILES
ID17060201SL128_03	Horse Basin Creek - source to mouth	4.47	MILES
ID17060201SL129_02	Spar Canyon Creek - source to mouth	44.3	MILES
ID17060201SL129_03	Spar Canyon Creek - source to mouth	7.24	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17060201SL130_02	Bradshaw Gulch - source to mouth	14.75	MILES
ID17060201SL131_02	Warm Spring Creek - Hole-in-Rock Creek to mouth	39.31	MILES
ID17060201SL131_03	Warm Spring Creek - Hole-in-Rock Creek to mouth	3.31	MILES
ID17060201SL131_04L	Warm Springs Creek Pond	35.39	ACRES
ID17060201SL134_02	Hole-in-Rock Creek - source to mouth	18.82	MILES
ID17060201SL135_02	Pennal Gulch - source to mouth	10.1	MILES

17060202

Pahsimeroi

ID17060202SL001_02	Pahsimeroi River - Patterson Creek to mouth	52.88	MILES
ID17060202SL001_03	Pahsimeroi River - Patterson Creek to mouth	4.07	MILES
ID17060202SL002_03	Pahsimeroi River - Meadow Creek to Patterson Creek	1.11	MILES
ID17060202SL004_03	North Fork Lawson Creek - source to mouth	1.9	MILES
ID17060202SL008_02	Pahsimeroi River - Big Creek to Furey Lane (T15S, R22E)	3.94	MILES
ID17060202SL009_02L	Grouse Creek Lakes	10.9	ACRES
ID17060202SL010_02	Pahsimeroi River - Goldburg Creek to Big Creek	55.52	MILES
ID17060202SL012_02	Unnamed Tributary - source to mouth (T12N, R23E, Sec. 22)	13.51	MILES
ID17060202SL012_03	Unnamed Tributary - source to mouth (T12N, R23E, Sec. 22)	17.44	MILES
ID17060202SL013_02	Doublespring Creek - Christian Gulch to mouth	3.32	MILES
ID17060202SL013_03	Doublespring Creek - Christian Gulch to mouth	5.45	MILES
ID17060202SL014_02	Christian Gulch - source to mouth	17.86	MILES
ID17060202SL015_02	Doublespring Creek - source to Christian Gulch	27.9	MILES
ID17060202SL015_03	Doublespring Creek - source to Christian Gulch	4.65	MILES
ID17060202SL016_02	Mud Spring Canyon Complex	25.27	MILES
ID17060202SL017_02	Pahsimeroi River - Burnt Creek to Unnamed Tributary	4.84	MILES
ID17060202SL019_02	Mahogany Creek - source to mouth	17.84	MILES
ID17060202SL020_02	Pahsimeroi River-confluence of Rock Creek and East Fork Pass	5.27	MILES
ID17060202SL021_02	Rock Creek - source to mouth	5.51	MILES
ID17060202SL023_02	Burnt Creek - Long Creek to mouth	10.89	MILES
ID17060202SL025_02	Long Creek - Short Creek to mouth	4.92	MILES
ID17060202SL025_03	Long Creek - Short Creek to mouth	1.68	MILES
ID17060202SL027_02	Long Creek - source to Short Creek	26.75	MILES
ID17060202SL027_03	Long Creek - source to Short Creek	1.11	MILES
ID17060202SL028_02	Goldburg Creek - Donkey Creek to mouth	22.55	MILES
ID17060202SL030_03	Goldburg Creek - source to Donkey Creek	2.37	MILES
ID17060202SL034_02	Patterson Creek - Inyo Creek to mouth	7.68	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17060202SL034_03L	Patterson Creek Tailings Ponds	33	ACRES
ID17060202SL035_02L	Unnamed Lake - Patterson Creek	3.16	ACRES
ID17060202SL037_02	Morse Creek - Irrigation junction to mouth	7.6	MILES
ID17060202SL037_03	Morse Creek - Irrigation junction to mouth	4.58	MILES
ID17060202SL038_02	Morse Creek - source to Irrigation junction (T15S, R23E)	18.94	MILES
ID17060202SL039_02	Morgan Creek - source to mouth	47.02	MILES
ID17060202SL039_04	Morgan Creek - source to mouth	0.81	MILES

17060203 Middle Salmon-Panther

ID17060203SL001_07	Salmon River - Panther Creek to Middle Fork Salmon River	11.97	MILES
ID17060203SL002_02	Panther Creek - Big Deer Creek to mouth	27.11	MILES
ID17060203SL005_02	Big Deer Creek - South Fork Big Deer Creek to mouth	3.45	MILES
ID17060203SL006_02	Big Deer Creek - source to South Fork Big Deer Creek	21.2	MILES
ID17060203SL008_02	South Fork Big Deer Creek -source to Bucktail Creek	2.93	MILES
ID17060203SL013a_02	West Fork Blackbird Creek - source to concrete channel	7.86	MILES
ID17060203SL013b_02	West Fork Blackbird Creek - concrete channel to mouth only	0.61	MILES
ID17060203SL017_02L	Opal Lake	13.81	ACRES
ID17060203SL019_02	Woodtick Creek - source to mouth	12.51	MILES
ID17060203SL021_02	Little Deep Creek - source to mouth	13.49	MILES
ID17060203SL023_02	Napias Creek - Moccasin Creek to mouth	1.86	MILES
ID17060203SL028_03	Beaver Creek - source to mouth	1.97	MILES
ID17060203SL029_02	Salmon River - Indian Creek to Panther Creek	26.1	MILES
ID17060203SL029_07	Salmon River - Indian Creek to Panther Creek	17.88	MILES
ID17060203SL032_03	Salmon River - North Fork Sheep Creek to Indian Creek	2.66	MILES
ID17060203SL032_07	Salmon River - North Fork Sheep Creek to Indian Creek	11.82	MILES
ID17060203SL033_02	Moose Creek - Little Moose Creek to mouth	5.16	MILES
ID17060203SL033_03	Moose Creek - Little Moose Creek to mouth	2.08	MILES
ID17060203SL034_02	Little Moose Creek - source to mouth	5.5	MILES
ID17060203SL035_02	Moose Creek - Dolly Creek to Little Moose Creek	7.97	MILES
ID17060203SL038_02	Dump Creek - Moose Creek to mouth	3.2	MILES
ID17060203SL041_02	Salmon River - Pollard Creek to Carmen Creek	30.92	MILES
ID17060203SL041_02L	Up Lake	3.88	ACRES
ID17060203SL041_06	Salmon River - Pollard Creek to Carmen Creek	3.32	MILES
ID17060203SL042_02a	Chipps & Jesse Creek	23.85	MILES
ID17060203SL042_03	Salmon River - Williams Creek to Pollard Creek	1.24	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17060203SL046_02	Salmon River - Twelvemile Creek to Williams Creek	21.03	MILES
ID17060203SL047_02L	Williams Lake	179.98	ACRES
ID17060203SL050_02L	Iron Lake(s)	23.14	ACRES
ID17060203SL050_03	Iron Creek - source to North Fork Iron Creek	0.22	MILES
ID17060203SL051_03	West Fork Iron Creek - source to mouth	2.23	MILES
ID17060203SL053_07	Salmon River - Pahsimeroi River to Iron Creek	9.76	MILES
ID17060203SL054_02	Hot Creek - source to mouth	89.91	MILES
ID17060203SL054_04	Hot Creek - source to mouth	2.46	MILES
ID17060203SL055_02L	Goat Lake	4.7	ACRES
ID17060203SL055_03	Cow Creek - source to mouth	4.2	MILES
ID17060203SL057_02	McKim Creek - source to mouth	22.21	MILES
ID17060203SL058_02	Poison Creek - source to mouth	22.57	MILES
ID17060203SL058_03	Poison Creek - source to mouth	2	MILES
ID17060203SL059_02	Warm Springs Creek - source to mouth	20.25	MILES
ID17060203SL060_02	Twelvemile Creek - source to mouth	17.04	MILES
ID17060203SL061_02	Carmen Creek - Freeman Creek to mouth	14.38	MILES
ID17060203SL065_03	Fourth of July Creek - Little Fourth of July Creek to mouth	1.67	MILES
ID17060203SL066_03	Fourth of July Creek - source to Little Fourth of July Creek	1.53	MILES
ID17060203SL067_02	Little Fourth of July Creek - source to mouth	4.95	MILES
ID17060203SL068_02	North Fork Salmon River - Hughes Creek to mouth	6.47	MILES
ID17060203SL068_04	North Fork Salmon River - Hughes Creek to mouth	5.71	MILES
ID17060203SL069_02	Big Silverlead Creek - source to mouth	10.26	MILES
ID17060203SL070_02	North Fork Salmon River - Sheep Creek to Hughes Creek	4.76	MILES
ID17060203SL070_04	North Fork Salmon River - Sheep Creek to Hughes Creek	2.97	MILES
ID17060203SL071_02	Sheep Creek - source to mouth	34.03	MILES
ID17060203SL072_02	North Fork Salmon River - Dahlenega Creek to Sheep Creek	6.95	MILES
ID17060203SL072_04	North Fork Salmon River - Dahlenega Creek to Sheep Creek	3.29	MILES
ID17060203SL073_03	Dahlenega Creek - Nez Perce Creek to mouth	4.67	MILES
ID17060203SL075_02	Nez Perce Creek - source to mouth	7.29	MILES
ID17060203SL078_03	North Fork Salmon River - source to Twin Creek	3.42	MILES
ID17060203SL079_02	Pierce Creek - source to mouth	10.34	MILES
ID17060203SL082_02	Hull Creek - source to mouth	10.25	MILES
ID17060203SL082_02L	Cummings Lake	6.28	ACRES
ID17060203SL082_03	Hull Creek - source to mouth	0.66	MILES
ID17060203SL083_02	Indian Creek - source to mouth	40.95	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17060203SL087_02	Owl Creek - East Fork Owl Creek to mouth	1.92	MILES
ID17060203SL088_02	East Fork Owl Creek - source to mouth	13.23	MILES
ID17060203SL089_02	Owl Creek - source to East Fork Owl Creek	25.65	MILES
ID17060203SL089_03	Owl Creek - source to East Fork Owl Creek	7.38	MILES

17060204

Lemhi

ID17060204SL003a_06	Lemhi River (West Branch) - Haynes Creek to Withington Creek	3.6	MILES
ID17060204SL004_06	Lemhi River (West Branch) - Kenney Creek to Haynes Creek	2.63	MILES
ID17060204SL005_02	Lemhi River - Hayden Creek to Kenney Creek	27.26	MILES
ID17060204SL006_02	Baldy Creek - source to mouth	9.72	MILES
ID17060204SL007a_02	McDevitt Creek - diversion (T19N, R23E, Sec. 36) to mouth	2.12	MILES
ID17060204SL008_02	Muddy Creek - source to mouth	10.85	MILES
ID17060204SL009_02	Hayden Creek - Basin Creek to mouth	3.45	MILES
ID17060204SL010_02	Basin Creek - Lake Creek to mouth	3.56	MILES
ID17060204SL011_02	Basin Creek	9.12	MILES
ID17060204SL011_04	Basin Creek	1.71	MILES
ID17060204SL012_02	Trail Creek - source mouth	19.41	MILES
ID17060204SL012_03	Trail Creek - source mouth	1.38	MILES
ID17060204SL013_03	McNutt Creek - source to mouth	1.4	MILES
ID17060204SL014_01L	Lake Creek Reservoir	7.32	ACRES
ID17060204SL014_02	Lake Creek - source to mouth	6.94	MILES
ID17060204SL015_02	Hayden Creek - Bear Valley Creek to Basin Creek	8.67	MILES
ID17060204SL016_02	Bear Valley Creek -Wright Creek to mouth	6.02	MILES
ID17060204SL024_02	Lemhi River - Peterson Creek to Hayden Creek	41.21	MILES
ID17060204SL024_03	Lemhi River - Peterson Creek to Hayden Creek	1.21	MILES
ID17060204SL025_02	Lemhi River - confluence of Big and Little Eightmile Creeks	10.15	MILES
ID17060204SL028_03	Lee Creek - source to mouth	4.29	MILES
ID17060204SL029b_02	Big Eightmile Creek - source to diversion	18.09	MILES
ID17060204SL030_02	Lemhi River-confluence of Eighteenmile Creek and Texas Creek	38.28	MILES
ID17060204SL030_03	Lemhi River-confluence of Eighteenmile Creek and Texas Creek	6.89	MILES
ID17060204SL031_02	Big Timber Creek - Little Timber Creek to mouth	3.94	MILES
ID17060204SL032a_03	Little Timber Creek - diversion (T15N, R25E, Sec. 13)	2.54	MILES
ID17060204SL032b_02L	Stone Reservoir	20.25	ACRES
ID17060204SL033_02	Big Timber Creek - Rocky Creek to Little Timber Creek	15.1	MILES
ID17060204SL036_02	Texas Creek - Deer Creek to mouth	35.08	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17060204SL037_02	Deer Creek - source to mouth	6.94	MILES
ID17060204SL038_02	Texas Creek - Meadow Creek to Deer Creek	14.3	MILES
ID17060204SL038_03	Texas Creek - Meadow Creek to Deer Creek	1.9	MILES
ID17060204SL039_02	Meadow Lake Creek - source to mouth	4.94	MILES
ID17060204SL040_02	Texas Creek - source to Meadow Lake Creek	14.07	MILES
ID17060204SL042_02	Eighteenmile Creek - Clear Creek to Hawley Creek	5.53	MILES
ID17060204SL044_02	Divide Creek - source to mouth	29.56	MILES
ID17060204SL044_03	Divide Creek - source to mouth	2.72	MILES
ID17060204SL048_02	Tenmile Creek - source to Powderhorn Gulch	6.36	MILES
ID17060204SL049_02	Powderhorn Gulch - source to mouth	7.63	MILES
ID17060204SL050b_02	Hawley Creek - source to diversion (T15N, R27E, Sec. 03)	51.5	MILES
ID17060204SL051a_03	Canyon Creek - diversion (T16N, R26E, Sec.22) to mouth	1.46	MILES
ID17060204SL053_02	Peterson Creek - source to mouth	14.19	MILES
ID17060204SL054_02	Reese Creek - source to mouth	9.88	MILES
ID17060204SL055a_03	Yearian Creek - diversion (T17N, R24E, Sec. 03) to mouth	1.77	MILES
ID17060204SL055b_02	Yearian Creek - source to diversion (T17N, R24E, Sec. 03)	16.72	MILES
ID17060204SL056a_04	Agency Creek - diversion (T19N, R24E, Sec. 28) to mouth	1.98	MILES
ID17060204SL056b_04	Agency Creek - Cow Creek to diversion (T19N, R24E, Sec. 28)	2.56	MILES
ID17060204SL057_02	Cow Creek - source to mouth	10.01	MILES
ID17060204SL058_03	Agency Creek - source to Cow Creek	2.05	MILES
ID17060204SL059a_03	Pattee Creek - diversion (T19N, R24E, Sec. 16) to mouth	0.88	MILES
ID17060204SL060a_02	Pratt Creek - diversion (T20N, R23E, Sec. 11) to mouth	0.44	MILES
ID17060204SL060b_02	Pratt Creek - source to diversion (T20N, R23E, Sec. 11)	3.56	MILES
ID17060204SL065a_03	Geertson Creek - diversion (T21N, R23E, Sec. 20) to mouth	0.93	MILES
ID17060204SL066a_02	Kirtley Creek - diversion (T21N, R22E, Sec. 02) to mouth	3.73	MILES

17060205

Upper Middle Fork Salmon

ID17060205SL001_06	Middle Fork Salmon River - Marsh Creek to Loon Creek	59.36	MILES
ID17060205SL007_02	Pistol and Little Pistol Creeks - 1st and 2nd order	128.44	MILES
ID17060205SL009_04	Sulphur Creek - 4th order (Honeymoon Creek to mouth)	11.1	MILES
ID17060205SL020_02	Cape Horn Creek - Banner Creek to mouth	8.33	MILES
ID17060205SL022_02L	Unnamed Wetlands near Bull Trout Lake	80.49	ACRES
ID17060205SL028_02L	Cape Horn Lakes	33.35	ACRES
ID17060205SL029_03	Beaver Creek - Winnemucca Creek to Bear Creek	2.94	MILES
ID17060205SL032_03	Bear Creek - source to mouth	1.18	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17060205SL034_02	Greyhound Creek - source to mouth	9.42	MILES
ID17060205SL034_03	Greyhound Creek - source to mouth	1.97	MILES
ID17060205SL038_04	Rapid River - Float Creek to Lucinda Creek	4.64	MILES
ID17060205SL039_02L	Josephus Lake	4.02	ACRES
ID17060205SL040_02	Rapid River - Vanity Creek to Float Creek	1.37	MILES
ID17060205SL040_04	Rapid River - Vanity Creek to Float Creek	1.42	MILES
ID17060205SL043_02	Lucinda Creek - source to mouth	4.17	MILES
ID17060205SL048_02	Loon Creek - Cabin Creek to mouth	69.82	MILES
ID17060205SL053_02	Loon Creek - Grouse Creek to Shell Creek	12.14	MILES
ID17060205SL053_04	Loon Creek - Grouse Creek to Shell Creek	2.97	MILES
ID17060205SL054_02	Grouse Creek - source to mouth	5.46	MILES
ID17060205SL055_04	Loon Creek - Canyon Creek to Grouse Creek	1.48	MILES
ID17060205SL056_02	Canyon Creek - source to mouth	7.92	MILES
ID17060205SL057_02	Loon Creek - Pioneer Creek to Canyon Creek	9.37	MILES
ID17060205SL057_04	Loon Creek - Pioneer Creek to Canyon Creek	3.58	MILES
ID17060205SL058_03	Trail Creek - source to mouth	1.22	MILES
ID17060205SL060_02	Pioneer Creek - source to mouth	14.74	MILES
ID17060205SL061_02	No Name Creek - source to mouth	1.38	MILES
ID17060205SL062_03	Mayfield Creek-confluence of East and West Fork Mayfield Cr.	3.17	MILES
ID17060205SL069_02	Warm Springs Creek - source to Trapper Creek	18.27	MILES

17060206

Lower Middle Fork Salmon

ID17060206SL001_02	MF Salmon River - 1st and 2nd order below Loon Creek	172.99	MILES
ID17060206SL001_06	Middle Fork Salmon River - Loon Creek to mouth	45.3	MILES
ID17060206SL003_05	Big Creek - 5th order (Monumental Creek to mouth)	23.57	MILES
ID17060206SL015_04	Rush Creek - 4th order (Corner Creek to mouth)	12.65	MILES
ID17060206SL018_02	Brush Creek - 1st and 2nd order	31.75	MILES
ID17060206SL018_03	Brush Creek - 3rd order (North Fork to mouth)	6.64	MILES
ID17060206SL022_02	Camas Creek - Duck Creek to Forge Creek	10.85	MILES
ID17060206SL023_02	Camas Creek - Silver Creek to Duck Creek	5.06	MILES
ID17060206SL025_02	Camas Creek - Castle Creek to Silver Creek	1.99	MILES
ID17060206SL026_02	Camas Creek - Furnance Creek to Castle Creek	8.8	MILES
ID17060206SL027_02	Camas Creek - White Goat Creek to Furnance Creek	4.78	MILES
ID17060206SL031_02	White Goat Creek - source to mouth	5.48	MILES
ID17060206SL032_02	Furnance Creek - source to mouth	19.12	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17060206SL034_03L	Boggerman Dam Reservoir	3.73	ACRES
ID17060206SL036_02	Forge Creek - source to mouth	6.15	MILES
ID17060206SL041_02	Yellowjacket Creek - Trail Creek to Little Jacket Creek	2.88	MILES

17060207

Middle Salmon-Chamberlain

ID17060207SL001_02	Salmon River - South Fork Salmon River to river mile 106	63.71	MILES
ID17060207SL002_02	Fall Creek - source to mouth	21.72	MILES
ID17060207SL004_02	California Creek - source to mouth	28.32	MILES
ID17060207SL004_03	California Creek - source to mouth	2.04	MILES
ID17060207SL005_02	Cottontail Creek - source to mouth	5.65	MILES
ID17060207SL006_02	Rabbit Creek - source to mouth	8.28	MILES
ID17060207SL008_02	Salmon River - Chamberlain Creek to South Fork Salmon River	124.83	MILES
ID17060207SL009_03	Fivemile Creek - source to mouth	7.48	MILES
ID17060207SL010_02	Little Fivemile Creek - source to mouth	10.43	MILES
ID17060207SL022_03	West Fork Chamberlain Creek - 3rd Order	2.19	MILES
ID17060207SL024_02	Chamberlain Creek - 1st and 2nd order tributaries	26.57	MILES
ID17060207SL024_04	Chamberlain Creek - 4th Order	5.49	MILES
ID17060207SL031_02	Whimstick Creek - 1st and 2nd order tribs	43.59	MILES
ID17060207SL031_03	Whimstick Creek - 3rd Order	7.46	MILES
ID17060207SL038_02	Butts Creek - source to mouth	8.88	MILES
ID17060207SL039_02	Kitchen Creek - source to mouth	21.28	MILES
ID17060207SL042_02	Little Horse Creek - source to mouth	16.83	MILES
ID17060207SL043_02	Horse Creek - Reynolds Creek to Little Horse Creek	15.51	MILES
ID17060207SL043_04	Horse Creek - Reynolds Creek to Little Horse Creek	4.69	MILES
ID17060207SL044_02	Horse Creek - source to Reynolds Creek	35.64	MILES
ID17060207SL044_03	Horse Creek - source to Reynolds Creek	5.27	MILES
ID17060207SL045_02	East Fork Reynolds Creek - source to mouth	14.08	MILES
ID17060207SL046_03	Reynolds Creek - source to mouth	1.53	MILES
ID17060207SL055_02	Bargamin Creek - source to mouth	100.63	MILES
ID17060207SL056_02	Porcupine Creek - source to mouth	8.56	MILES
ID17060207SL064_02	Big Blowout Creek - source to mouth	7.54	MILES
ID17060207SL066_02	Indian Creek - source to mouth	8.82	MILES
ID17060207SL070_02	Lake Creek - source to mouth	51.31	MILES
ID17060207SL072_02	Bull Creek - 1st and 2nd order tribs	12.68	MILES
ID17060207SL072_03	Bull Creek - source to mouth	4.54	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17060207SL073_02	Elk Creek - source to mouth	9.45	MILES
ID17060207SL074_02	Sheep Creek - source to mouth	56.12	MILES
ID17060207SL074_03	Sheep Creek - source to mouth	8.41	MILES
ID17060207SL076_02	Wind River - source to mouth	37.55	MILES
ID17060207SL076_03	Wind River - source to mouth	6.7	MILES
ID17060207SL077_02	Meadow Creek - source to mouth	31.78	MILES
ID17060207SL077_03	Meadow Creek - source to mouth	6.33	MILES

17060208 South Fork Salmon

ID17060208SL002_02	Raines Creek - entire drainage	12.13	MILES
ID17060208SL013_02	Cougar Creek - 1st and 2nd order	16	MILES
ID17060208SL014_02	Blackmare Creek - 1st and 2nd order	19.22	MILES
ID17060208SL022_02	Camp Creek - 1st and 2nd order	34.21	MILES
ID17060208SL033_02	Sheep Creek - 1st and 2nd order	25.7	MILES
ID17060208SL033_03	Sheep and South Fork Sheep Creeks - 3rd order	4.08	MILES

17060209 Lower Salmon

ID17060209SL001_02	Salmon River - Rice Creek to mouth	131.43	MILES
ID17060209SL001_03	Salmon River - Rice Creek to mouth	1.37	MILES
ID17060209SL001_07	Salmon River - Rice Creek to mouth	37.45	MILES
ID17060209SL002_02	Flynn Creek - source to mouth	11.51	MILES
ID17060209SL005_02	Burnt Creek - source to mouth	4.18	MILES
ID17060209SL006_02	Round Spring Creek - source to mouth	9.17	MILES
ID17060209SL008_02	Salmon River - Slate Creek to Rice Creek	96.85	MILES
ID17060209SL009_02	Sotin Creek - source to mouth	4.34	MILES
ID17060209SL011_02	Salmon River - tributaries; Little Salmon R. to Slate Creek	60.46	MILES
ID17060209SL011_07	Salmon River - Little Salmon River to Slate Creek	19.85	MILES
ID17060209SL014_02	Race Creek - 1st order tributary	1.06	MILES
ID17060209SL016_02	South Fork Race Creek - source to mouth	8.3	MILES
ID17060209SL018_02	Grave Creek - source to mouth	4.88	MILES
ID17060209SL019_02	Salmon River	43.71	MILES
ID17060209SL019_07	Salmon River	19.12	MILES
ID17060209SL020_02	Lake Creek - source to mouth	17.08	MILES
ID17060209SL020_03	Lake Creek - source to mouth	6.2	MILES
ID17060209SL021_02	Partridge Creek - source to mouth	27.7	MILES
ID17060209SL021_03	Partridge Creek - source to mouth	8.19	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17060209SL022_02	Elkhorn Creek - source to mouth	26.64	MILES
ID17060209SL023_02	French Creek - Little French Creek to mouth	25.98	MILES
ID17060209SL023_03	French Creek - Little French Creek to mouth	12.42	MILES
ID17060209SL024_02	Little French Creek - source to mouth	27.68	MILES
ID17060209SL025_02	French Creek - source to Little French Creek	26.2	MILES
ID17060209SL025_03	French Creek - source to Little French Creek	2.78	MILES
ID17060209SL027_02	Van Creek - source to mouth	4.66	MILES
ID17060209SL028_02	Allison Creek - West Fork Allison Creek to mouth	2.83	MILES
ID17060209SL030_02	West Fork Allison Creek - source to mouth	10.72	MILES
ID17060209SL031_02	Berg Creek - source to mouth	7.2	MILES
ID17060209SL032_02	Fiddle Creek - source to mouth	12.32	MILES
ID17060209SL033_02	John Day Creek - source to mouth	25.08	MILES
ID17060209SL033_03	John Day Creek - source to mouth	4.01	MILES
ID17060209SL034_02	Slate Creek - from and including Hurley Creek to mouth	12.53	MILES
ID17060209SL036_02	Slate Creek - Little Slate Creek to Hurley Creek	22.52	MILES
ID17060209SL038_02	Deadhorse Creek - source to mouth	8.37	MILES
ID17060209SL043_02	McKinzie Creek - source to mouth	16.07	MILES
ID17060209SL045_03	South Fork Skookumchuck Creek - source to mouth	3.21	MILES
ID17060209SL046_02	North Fork Skookumchuck Creek - source to mouth	21.28	MILES
ID17060209SL047_02	Whitebird Creek - confluence of N&SF Whitebird Cr to mouth	46.21	MILES
ID17060209SL047_03	Whitebird Creek-confluence of North and South Fork Whitebird	1.93	MILES
ID17060209SL048_02	South Fork Whitebird Creek - Little Whitebird Creek to mouth	3.93	MILES
ID17060209SL050_02	South Fork Whitebird Creek -source to Little Whitebird Creek	9.29	MILES
ID17060209SL050_03	South Fork Whitebird Creek -source to Little Whitebird Creek	6.63	MILES
ID17060209SL052_02	Asbestos Creek - source to mouth	2.86	MILES
ID17060209SL053_02	Teepee Creek - source to mouth	4.75	MILES
ID17060209SL055_02	North Fork Whitebird Creek - source to mouth	33.13	MILES
ID17060209SL056_02	Rock Creek - tributaries	8.39	MILES
ID17060209SL059_02	Telcher Creek - source to mouth	17.3	MILES
ID17060209SL063_02	Eagle Creek - source to mouth	29.92	MILES
ID17060209SL065_02	Wapshilla Creek - source to mouth	11.85	MILES
ID17060209SL065_03	Wapshilla Creek - source to mouth	1.05	MILES

17060210

Little Salmon

ID17060210SL004_02	Paradise Creek - entire drainage	6.86	MILES
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2012 Integrated Report: Category 3: Unassessed Waters

Southwest

17050101 C. J. Strike Reservoir

ID17050101SW001_01L	Bruneau Duck Ponds	15.26	ACRES
ID17050101SW001_02L	Flying H Canal Diversion Pond	88.07	ACRES
ID17050101SW001_03	Dry Creek - 3rd order	6.2	MILES
ID17050101SW005_02	Snake River - 1st and 2nd order tribs near Glenns Ferry	16.68	MILES
ID17050101SW007_02	Pot Hole Creek - 1st and 2nd order	102.24	MILES
ID17050101SW007_03	Pot Hole Creek - 3rd order	21.22	MILES
ID17050101SW009_02	Rosevear Gulch - 1st and 2nd order	63.1	MILES
ID17050101SW009_03	Rosevear Gulch - 3rd order	11.08	MILES
ID17050101SW010_02	King Hill Creek - 1st and 2nd order	46.16	MILES
ID17050101SW012_01L	Morrow Reservoir	47.76	ACRES
ID17050101SW012_03L	Trail Diversion Dam	10.19	ACRES
ID17050101SW013_02L	Blair Trail Reservoir	146.53	ACRES
ID17050101SW017L_0L	Hot Springs Creek Reservoirs	275.2	ACRES
ID17050101SW019_02	Rattlesnake Creek below Mountain Home Reservoir	38.36	MILES
ID17050101SW019_02L	Rattlesnake Springs Ponds	43.58	ACRES
ID17050101SW020_01L	John Hoffman Reservoir	7.19	ACRES
ID17050101SW020_02	Rattlesnake Creek above Mountain Home Reservoir	28.91	MILES
ID17050101SW021_02	Canyon Creek - 1st and 2nd order tribs below Fraiser Res.	10.56	MILES
ID17050101SW021_04	Canyon Creek - 4th order (Fraiser Reservoir to Squaw Creek)	6.5	MILES
ID17050101SW021_05	Canyon Creek - 5th order (Squaw Creek to CJ Strike)	10.7	MILES
ID17050101SW022_04	Fraiser Reservoir	2.93	MILES
ID17050101SW023_02	Canyon Creek - 1st and 2nd order above Fraiser Reservoir	44.36	MILES
ID17050101SW023_05	West Side Canal (half mile segment)	0.55	MILES
ID17050101SW024_03L	Long Tom Reservoir	156.44	ACRES
ID17050101SW025_02	Syrup Creek and tributaries - 1st and 2nd order	32.37	MILES
ID17050101SW026_02	Squaw Creek - 1st and 2nd order	101.08	MILES
ID17050101SW026_03	Squaw and Mud Springs Creeks - 3rd order	10.9	MILES
ID17050101SW026_04	Squaw Creek - 4th order (Mud Springs to Canyon Creek)	17.22	MILES

17050102 Bruneau

ID17050102SW001_02	Wilkins Gulch and unnamed tributaries to CJ Strike Reservoir	5.36	MILES
ID17050102SW002_02	Deadman Gulch and Black Rocks - 1st and 2nd order	172.83	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17050102SW002_02L	Unnamed Pond near Black Rocks	5.13	ACRES
ID17050102SW002_03	Deadman Gulch and Black Rocks - 3rd order	11.56	MILES
ID17050102SW002_04	Deadman Gulch and Black Rocks - 4th order	8.25	MILES
ID17050102SW003_01L	Unnamed Intermittent Lake in Little Jacks Creek Basin	5.23	ACRES
ID17050102SW003_02	Little Jacks Creek - 1st and 2nd order	142.28	MILES
ID17050102SW003_03	Little Jacks Creek and O X Prong - 3rd order	10.39	MILES
ID17050102SW004_02	Big Jacks Creek - 1st and 2nd order	214.02	MILES
ID17050102SW004_03L	Jacks Creek Reservoir	19.84	ACRES
ID17050102SW005_02	Cottonwood Creek - entire drainage	20.07	MILES
ID17050102SW008_02	Sugar Creek - 1st and 2nd order tributaries	122.14	MILES
ID17050102SW008_03	Sugar Creek - 3rd order	21.36	MILES
ID17050102SW008_04a	Sugar Creek - 4th order	7.56	MILES
ID17050102SW009_02	Loveridge and Seventyone Gulches - 1st and 2nd order	58.91	MILES
ID17050102SW009_03	Seventyone Gulch - 3rd order	0.54	MILES
ID17050102SW010_03L	Broken Wagon Flat Reservoir	8.65	ACRES
ID17050102SW011_02	Bruneau River (Hot Cr. to Clover Cr.) - 1st and 2nd order	97.45	MILES
ID17050102SW011_02L	White Lake	9.81	ACRES
ID17050102SW011_03	Big Draw	13.6	MILES
ID17050102SW012_02	Miller Water - 1st and 2nd order	81.38	MILES
ID17050102SW012_03	Miller Water - 3rd order	2.43	MILES
ID17050102SW012_04	Miller Water - 4th order	11.4	MILES
ID17050102SW013_02	Bruneau River - 1st and 2nd order	69.61	MILES
ID17050102SW014_02	Sheep Creek - 1st and 2nd order	112.7	MILES
ID17050102SW015_02	Louse and Crab Creeks - 1st and 2nd order	100.07	MILES
ID17050102SW015_03L	Blackstone Reservoir	34.27	ACRES
ID17050102SW016_01L	Otter Reservoir	87.3	ACRES
ID17050102SW016_02aL	Buckhorn Reservoir	113.23	ACRES
ID17050102SW016_02L	Rattlesnake Reservoir	6.65	ACRES
ID17050102SW016_03	Marys Creek - 3rd order	12.76	MILES
ID17050102SW018_03	Pole Creek - 3rd order	4.18	MILES
ID17050102SW019_03	Cat Creek - 3rd order	7.07	MILES
ID17050102SW020_02	Bruneau River - 1st and 2nd order above Jarbidge River	94.52	MILES
ID17050102SW020_03	Deep Creek and Triplet Canyon - 3rd order	5.24	MILES
ID17050102SW023_03	Dorsey Creek - 3rd order	4.88	MILES
ID17050102SW024_02	East Fork Jarbidge River - 1st and 2nd order tributaries	3.18	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17050102SW026_02	Unnamed draw in Inside Desert - 1st and 2nd order	101.37	MILES
ID17050102SW026_03	Unnamed draw in Inside Desert - 3rd order	14.74	MILES
ID17050102SW027_02	Sheepshead Draw - 2nd order	9.25	MILES
ID17050102SW027_03	Sheepshead Draw - 3rd order	2.63	MILES
ID17050102SW028_02	Clover Creek (East Fork Bruneau River) - 1st and 2nd order	88.62	MILES
ID17050102SW028_03	Clover Creek (East Fork Bruneau River) - 3rd order	2.47	MILES
ID17050102SW029_02	Juniper Draw - 1st and 2nd order	78.2	MILES
ID17050102SW029_03	Juniper Draw - 3rd order	3.9	MILES
ID17050102SW035_02	Buck Flat Draw - 1st and 2nd order	89.49	MILES
ID17050102SW035_03	Buck Flat Draw - 3rd order	14.92	MILES

17050103 Middle Snake-Succor

ID17050103SW001_02	Snake River - 1st and 2nd order	8.47	MILES
ID17050103SW002_02	Sage Creek and tributaries - 1st and 2nd order	22.46	MILES
ID17050103SW002_02L	Unnamed Lake in Strode Basin	2.4	ACRES
ID17050103SW003_02L	Johnston Lakes	4.27	ACRES
ID17050103SW003_03L	Succor Creek Reservoir	180.43	ACRES
ID17050103SW005_02L	Unnamed Lake on Pole Creek Top	5.37	ACRES
ID17050103SW006_03L	Pacific Land Company Dam	15.99	ACRES
ID17050103SW010_02	West Rabbit Creek - 1st and 2nd order	30.6	MILES
ID17050103SW010_03	West Rabbit Creek - 3rd order	5.84	MILES
ID17050103SW011_03	Rabbit Creek (south side of Snake River)- 3rd order	7.65	MILES
ID17050103SW011_04	Rabbit Creek (south side of Snake River)- 4th order	7.9	MILES
ID17050103SW012_02	Sinker Creek - 1st and 2nd order rangeland tributaries	63.06	MILES
ID17050103SW012_02a	Sinker Creek - 1st and 2nd order forested tributaries	36.62	MILES
ID17050103SW012_04L	Hulet-Sinker Creek Reservoir	54.13	ACRES
ID17050103SW013_02	Fossil Creek - 1st and 2nd order	65.24	MILES
ID17050103SW013_03	Fossil Creek - 3rd order	10.13	MILES
ID17050103SW014_02L	Foremans Reservoir	29.7	ACRES
ID17050103SW015_02	Unnamed stream near Oreana	6.57	MILES
ID17050103SW015_05	Catherine Creek - 5th order (Browns Creek to Castle Creek)	5.72	MILES
ID17050103SW017_02	Bates Creek - 1st and 2nd order	19.06	MILES
ID17050103SW017_03	Bates Creek - 3rd order	1.74	MILES
ID17050103SW018_02	Hart and Little Hart Creeks - 1st and 2nd order	46.19	MILES
ID17050103SW018_03	Hart Creek - 3rd order	5.15	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17050103SW022_02	McKeeth Wash - 1st and 2nd order	44.1	MILES
ID17050103SW022_03	McKeeth Wash - 3rd order	10.08	MILES
ID17050103SW023_02	Vinson Wash - 1st and 2nd order	60.71	MILES
ID17050103SW025_03	Corder Creek - 3rd order	9.06	MILES

17050104

Upper Owyhee

ID17050104SW001_02	Owyhee River - 1st and 2nd order	115.69	MILES
ID17050104SW001_03	Owyhee River - 3rd order tributaries	8.85	MILES
ID17050104SW002_02	Unnamed streams in YP Desert	13.78	MILES
ID17050104SW003_02	Piute Creek - 1st and 2nd order	102.34	MILES
ID17050104SW003_03	Piute Creek - 3rd order	8.77	MILES
ID17050104SW003_04	Piute Creek - 4th order	6.05	MILES
ID17050104SW003_04L	Piute Basin Reservoir	8.4	ACRES
ID17050104SW004_02	Juniper Creek - 1st and 2nd order	59.66	MILES
ID17050104SW004_02L	Little Juniper Basin Reservoir	3.91	ACRES
ID17050104SW004_03	Juniper Creek - 3rd order	4.55	MILES
ID17050104SW004_04	Juniper Creek - 4th order	9.37	MILES
ID17050104SW005_02	Juniper Creek - 1st and 2nd order	35.97	MILES
ID17050104SW005_03	Juniper Creek - 3rd order	5.25	MILES
ID17050104SW006_01L	Unnamed Lake in Duck Valley Indian Reservation	45.35	ACRES
ID17050104SW006_02	Thacker and Ross Sloughs - 1st and 2nd order	109.38	MILES
ID17050104SW006_02L	Mud Flat	121.03	ACRES
ID17050104SW006_03	Ross Slough - 3rd order	2.29	MILES
ID17050104SW006_05	Owyhee River - 5th order (above Blue Creek)	1.54	MILES
ID17050104SW007_02	Blue Creek: 1st and 2nd order tribs above Blue Cr. Reservoir	49.06	MILES
ID17050104SW007_02L	Unnamed lakes in Duck Valley Indian Reservation	77.28	ACRES
ID17050104SW007_03	Blue Creek - Blue Creek Reservoir to Little Blue Creek	5.8	MILES
ID17050104SW007_04	Blue Creek - Little Blue Creek to Shoofly Creek	10.64	MILES
ID17050104SW007_05	Blue Creek - Shoofly Creek to Owyhee River	24.99	MILES
ID17050104SW008_02	Boyle Creek - 1st and 2nd order	3.45	MILES
ID17050104SW008_02L	Boyle Creek Reservoir	12.71	ACRES
ID17050104SW008_03	Boyle Creek - 3rd order	2.49	MILES
ID17050104SW008L_0L	Mountain View Lake	404.6	ACRES
ID17050104SW009_02	Damon Trail, Mud, Papoose, Bell and Miller Creeks	39.8	MILES
ID17050104SW009_03	Dry Creek - 3rd order	5.67	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17050104SW010_02	Payne Creek - 1st and 2nd order	40.56	MILES
ID17050104SW010_02L	Payne Creek Reservoir	74.27	ACRES
ID17050104SW010_03	Payne Creek - 3rd order	11.23	MILES
ID17050104SW010_04	Payne Creek - 4th order	0.71	MILES
ID17050104SW011_02	Squaw Creek - 1st and 2nd order	56.52	MILES
ID17050104SW011_02L	Squaw Creek Reservoir	41.63	ACRES
ID17050104SW011_03	Squaw Creek - 3rd order	1.45	MILES
ID17050104SW011_0L	Indian Creek Reservoir	18.49	ACRES
ID17050104SW012_02	Little Blue Creek - 1st and 2nd order	49.65	MILES
ID17050104SW012_02L	Sewell Reservoir	5.6	ACRES
ID17050104SW012_03L	Little Blue Creek Reservoir	139.9	ACRES
ID17050104SW013_02	Blue Creek - 1st and 2nd order above Blue Creek Reservoir	80.02	MILES
ID17050104SW013_02L	Unnamed lake on Turner Table	101.97	ACRES
ID17050104SW014_03L	Bybee Reservoir	68.16	ACRES
ID17050104SW014_05	Shoofly Creek ditch - half mile section	0.21	MILES
ID17050104SW015_02	Harris Creek - 1st and 2nd order	46.38	MILES
ID17050104SW015_03	Harris Creek - 3rd order	8.62	MILES
ID17050104SW015_03L	Unnamed Reservoir on Harris Creek	36.3	ACRES
ID17050104SW016_02	Unnamed tributary to Little Jarvis Lake	2.14	MILES
ID17050104SW016_02L	Little Jarvis Lake	281.93	ACRES
ID17050104SW017_02	Little Rough Lake Creek	1.16	MILES
ID17050104SW017_02L	Rough Lake	331.11	ACRES
ID17050104SW018_02	Unnamed tributary to Ross Lake	1.61	MILES
ID17050104SW018_02L	Ross Lake	1002.12	ACRES
ID17050104SW019_02L	Juniper Lake	388.99	ACRES
ID17050104SW020_02L	Henry Lake	171.8	ACRES
ID17050104SW021_02	Unnamed tributary to Owyhee River near Ross Lake	17.33	MILES
ID17050104SW021_02L	Unnamed Lake in Duck Valley Indian Reservation	31.02	ACRES
ID17050104SW022_02	Yatahoney Creek - 1st and 2nd order	44.22	MILES
ID17050104SW022_03	Yatahoney Creek - 3rd order	7.23	MILES
ID17050104SW023_01L	Unnamed Pond near Hutch Springs	7.23	ACRES
ID17050104SW023_02L	Battle Creek Spring Pond	12.38	ACRES
ID17050104SW023_03L	Battle Creek Reservoir	11.09	ACRES
ID17050104SW024_02L	Dry Creek Reservoir	72.57	ACRES
ID17050104SW026_01L	Bennett Reservoir	4.62	ACRES

2012 Integrated Report: Category 3: Unassessed Waters

ID17050104SW026_02a	Deep Creek - 1st and 2nd order forested tributaries	80.28	MILES
ID17050104SW026_02L	Hackberry Reservoir	15.48	ACRES
ID17050104SW026_03	Deep Creek - 3rd order rangeland tributaries	12.93	MILES
ID17050104SW027_02	Dickshooter Creek - 1st and 2nd order	107.93	MILES
ID17050104SW027_03	Dickshooter Creek - 3rd order	6.1	MILES
ID17050104SW027_04	Dickshooter Creek - 4th order	14.45	MILES
ID17050104SW028_02L	Johnson Reservoir	5.63	ACRES
ID17050104SW029_02	Camas Creek - 1st and 2nd order	40.16	MILES
ID17050104SW030_03	Camel Creek - 3rd order	2.11	MILES
ID17050104SW031_02L	Unnamed Reservoir on Wilson Creek	2.18	ACRES
ID17050104SW032_02L	Star Reservoir	38.73	ACRES
ID17050104SW032_03L	Unnamed Reservoir near Castro Ranch	4.97	ACRES

17050105 South Fork Owyhee

ID17050105SW001_02	Unnamed 1st and 2nd order tributaries to SF Owyhee River	127.73	MILES
ID17050105SW002_02	Spring Creek - 1st and 2nd order	46.53	MILES
ID17050105SW002_03	Spring Creek - 3rd order	6.11	MILES
ID17050105SW003_02	Bull Camp Reservoir - 1st and 2nd order	16.35	MILES
ID17050105SW003_03	Bull Camp Reservoir - 3rd order	1.63	MILES
ID17050105SW003_04	Bull Camp Reservoir - 4th order	4.6	MILES
ID17050105SW004_02	Homer Wells Reservoir - 1st and 2nd order	85.96	MILES
ID17050105SW004_03	Homer Wells Reservoir - 3rd order	12.05	MILES
ID17050105SW004_03L	Horse Basin Reservoirs and Homer Wells Reservoir	12.84	ACRES
ID17050105SW004_04	Homer Wells Reservoir - 4th order	5.76	MILES
ID17050105SW004_04L	Homer Wells Reservoir	35.85	ACRES
ID17050105SW005_02	Coyote Flat - 1st and 2nd order	30.3	MILES
ID17050105SW005_03	Coyote Flat - 3rd order	4.72	MILES

17050106 East Little Owyhee

ID17050106SW001_02	Little Owyhee River - 1st and 2nd order tributaries	76.15	MILES
ID17050106SW001_03	Unnamed third order tributary to Little Owyhee River	1.88	MILES
ID17050106SW001_06	Little Owyhee River - State Line to South Fork Owyhee	15.74	MILES
ID17050106SW002_02	Tent Creek- 1st and 2nd order	31.35	MILES
ID17050106SW002_03	Tent Creek- 3rd order	9.81	MILES
ID17050106SW002_04	Tent Creek- 4th order	4	MILES
ID17050106SW002_04L	Tent Creek Reservoir	21.05	ACRES

2012 Integrated Report: Category 3: Unassessed Waters

17050107

Middle Owyhee

ID17050107SW001_02	Dukes Creek and Bald Mountain Canyon - 1st and 2nd order	34.93	MILES
ID17050107SW002_02	Oregon Lake Creek - 1st and 2nd order	7.38	MILES
ID17050107SW003_02	Field Creek - 1st and 2nd order	11.13	MILES
ID17050107SW005_02	Pole Creek - 1st and 2nd order	17.87	MILES
ID17050107SW007_02	Cottonwood Creek - 1st and 2nd order	22.34	MILES
ID17050107SW013_02	Cherry Creek - 1st and 2nd order	52.08	MILES
ID17050107SW013_03	Cherry Creek - 3rd order	3.84	MILES
ID17050107SW014_02	Soldier, Stove and Sheep Creeks - 1st and 2nd order	30.16	MILES

17050108

Jordan

ID17050108SW001_02	Lower Jordan Creek - 1st and 2nd order tributaries	34.37	MILES
ID17050108SW002_02L	Unnamed Reservoir on Lone Tree Creek	6.74	ACRES
ID17050108SW002_03	Lone Tree Creek - 3rd order	6.09	MILES
ID17050108SW003_03	Williams Creek - 3rd order (Pole Bridge Creek to mouth)	2.23	MILES
ID17050108SW004_02L	Pershall Reservoir	9.8	ACRES
ID17050108SW005_02	Old Man, Coyote, Howl and parts of South Mountain Creeks	44.55	MILES
ID17050108SW006_02	South Boulder, Indian and Bogus Creeks - 1st and 2nd order	53.61	MILES
ID17050108SW006_04	South Boulder Creek - 4th order (Indian Creek to mouth)	3.11	MILES
ID17050108SW007_02	North Boulder Creek - 1st and 2nd order	30.12	MILES
ID17050108SW007_03	North Boulder Creek - 3rd order (Mammoth Creek to mouth)	2.32	MILES
ID17050108SW007_05	Big Boulder Creek (North Boulder to South Boulder Creeks)	3.87	MILES
ID17050108SW008_02	Mammoth Creek - entire drainage	12.81	MILES
ID17050108SW009_02	Combination Creek - entire drainage	12.33	MILES
ID17050108SW010_02	Triangle Creek and unnamed tributaries to Rock Creek	28.66	MILES
ID17050108SW010_05	Rock Creek -Triangle Reservoir Dam to mouth	5.16	MILES
ID17050108SW011_02	Rose Creek - entire drainage	13.62	MILES
ID17050108SW012_02	Josephine and Wickiup Creeks - 1st and 2nd order	45.44	MILES
ID17050108SW012_03	Josephine and Wickiup Creeks - 3rd order	4.8	MILES
ID17050108SW013_03L	Triangle Reservoir	82.94	ACRES
ID17050108SW015_02L	Unnamed Reservoir near Meadow Creek	125.72	ACRES
ID17050108SW015_03L	Spencer Reservoir	28.8	ACRES
ID17050108SW016_02	Deer Creek - entire drainage	13.65	MILES
ID17050108SW019_02	Trout Creek - 1st and 2nd order	33.8	MILES
ID17050108SW019_03	Trout Creek - 3rd order	7.03	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17050108SW020_02	Hooker Creek - entire drainage	7.1	MILES
ID17050108SW023_02	Baxter Creek - 1st and 2nd order	6.94	MILES

17050112 Boise-Mores

ID17050112SW001_02	Sheep, Charcoal, Birch, Macks and Deer Creeks	39.95	MILES
ID17050112SW002_02	1st and 2nd order tributaries to Arrowrock Reservoir	35.23	MILES
ID17050112SW005_02	Sheep Creek - 1st and 2nd order	41.61	MILES
ID17050112SW008_02	Deer Creek - entire drainage	5.52	MILES
ID17050112SW010_02	Smith Creek - entire drainage	9.86	MILES

17050113 South Fork Boise

ID17050113SW001_02	Arrowrock Reservoir (1st and 2nd order tributaries)	16.7	MILES
ID17050113SW002a_02	Willow Creek and tributaries - 1st and 2nd order	31.94	MILES
ID17050113SW002a_03	Willow Creek - 3rd order above Cottonwood Creek	5.28	MILES
ID17050113SW002b_02	Willow Creek - 1st and 2nd order	29.28	MILES
ID17050113SW006_02	Little Camas Creek - unnamed tributary near aqueduct	3.77	MILES
ID17050113SW006_04	Little Camas Creek - Little Camas Reservoir to mouth	1.95	MILES
ID17050113SW009_02	Wood and Little Wood Creeks - 1st and 2nd order	17.07	MILES
ID17050113SW009_03	Wood Creek - 3rd order	0.41	MILES
ID17050113SW015_05	South Fork Boise River - 5th order	16.34	MILES
ID17050113SW017_02	Boardman Creek - 1st and 2nd order	19.76	MILES
ID17050113SW022_02	Johnson Creek - 1st and 2nd order	18.07	MILES

17050114 Lower Boise

ID17050114SW003c_03L	Indian Creek Reservoir	126.28	ACRES
ID17050114SW003d_02L	Caldwell Draw Reservoir	4.96	ACRES
ID17050114SW007_02	Unnamed 1st order tributary to Fifteenmile Creek	1.25	MILES
ID17050114SW008_02	Tenmile Creek - 1st and 2nd order	37.42	MILES
ID17050114SW009_03L	Blacks Creek Reservoir	82.5	ACRES
ID17050114SW010_03L	Unnamed Ponds on Fivemile Creek	10.94	ACRES
ID17050114SW011a_02	Warm Springs and Squaw Creeks, and Maynard Gulch	19.5	MILES
ID17050114SW011a_02L	Warm Springs Golf Course Lake	4.33	ACRES
ID17050114SW011b_02	Lydle Gulch and two nearby unnamed intermittent streams	7.28	MILES
ID17050114SW013_02	Dry Creek - 1st and 2nd order	69.15	MILES
ID17050114SW013_04	Dry Creek - 4th order (Spring Valley Creek to mouth)	4.9	MILES
ID17050114SW014_02	Big Gulch and Little Gulch Creeks, and Woods Gulch	36.16	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17050114SW016_02	Tributaries to West Hartley Gulch and Sand Hollow Creek	56.58	MILES
ID17050114SW017_02	Sand Hollow Creek - 1st and 2nd order tributaries	33.39	MILES

17050115 Middle Snake-Payette

ID17050115SW001_02	Cherry Gulch and Buttermilk Slough	34.67	MILES
ID17050115SW002_02	Homestead Gulch	20.41	MILES
ID17050115SW002_08	Snake River side channels near Homestead Gulch	0.34	MILES
ID17050115SW003_02	Ashlock Gulch - 1st and 2nd order	13.2	MILES
ID17050115SW003_03	Ashlock Gulch - 3rd order	2.21	MILES
ID17050115SW004_02	Hurd and Big Whitley Gulches	24.73	MILES
ID17050115SW005_02	Sand Hollow	24.19	MILES

17050121 Middle Fork Payette

ID17050121SW003_02	Lightning Creek - 1st and 2nd order	23.18	MILES
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17050122 Payette

ID17050122SW001_02	Graveyard and Langley Gulches, and Haw Creek	192.27	MILES
ID17050122SW001_02L	Unnamed Pond between Langley and Graveyard Gulches	4.06	ACRES
ID17050122SW003_03	Fleming Creek - 3rd order	2.09	MILES
ID17050122SW004_02	Shafer Creek - 1st and 2nd order	76.5	MILES
ID17050122SW006_02	Porter Creek - 1st and 2nd order	19.67	MILES
ID17050122SW006_03	Porter Creek - 3rd order (Shanks Creek to mouth)	4.71	MILES
ID17050122SW007_02	Hill Creek - 1st and 2nd order	25.33	MILES
ID17050122SW007_03	Hill Creek - 3rd order	3.1	MILES
ID17050122SW008_02	Eddy Creek and unnamed tributaries to SF Payette River	12.23	MILES
ID17050122SW008_05	Payette River - Middle Fork to North Fork	7.59	MILES
ID17050122SW009_02	Deer Creek - entire drainage	20.4	MILES
ID17050122SW011_01L	Beal Reservoir Number 3	13.82	ACRES
ID17050122SW011_02L	Unnamed reservoir on Padget Creek	25.24	ACRES
ID17050122SW015_02L	Little Lake	58.36	ACRES
ID17050122SW016_02	Sand Hollow - 1st and 2nd order	23.31	MILES
ID17050122SW016_03	Sand Hollow - 3rd order	2.73	MILES
ID17050122SW017_02L	Unnamed Pond in Stone Quarry Gulch	4.69	ACRES
ID17050122SW018_02	Little Willow Creek below Paddock Valley - 1st and 2nd order	86.96	MILES
ID17050122SW019_02	Indian, Hog Cove and Rattlesnake Creeks - 1st and 2nd order	19.37	MILES
ID17050122SW019_03	Indian Creek - 3rd order (Rattlesnake to Little Willow)	3.32	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17050122SW020_02	Two unnamed tributaries to Paddock Valley Reservoir	7.7	MILES
ID17050122SW021_02	Little Willow Creek above Paddock - 1st and 2nd order	28.25	MILES
ID17050122SW021_03	Little Willow Creek above Paddock Valley Res. - 3rd order	4.14	MILES

17050123 North Fork Payette

ID17050123SW004_02L	Corral Creek Reservoir	40.29	ACRES
ID17050123SW004_03L	Warner Pond	17.66	ACRES
ID17050123SW006_01L	Calendar Reservoir	15.79	ACRES
ID17050123SW006_02L	Davis Reservoir	30.39	ACRES
ID17050123SW011_02aL	Melton Reservoir	8.26	ACRES
ID17050123SW011_02L	Jussila-Bow Lake and unnamed reservoir on Cold Creek	37.86	ACRES
ID17050123SW014_03L	Browns Pond	83.24	ACRES
ID17050123SW016_02L	Hait Reservoir (Blackhawk Lake)	63.32	ACRES
ID17050123SW017_01L	Unamed Lake between Lemah and Fall Creeks	15.61	ACRES

17050124 Weiser

ID17050124SW001_02	Weiser River - Keithly Creek to mouth	115.45	MILES
ID17050124SW003_02	Camp and Star Butte Creeks - 1st and 2nd order	31.11	MILES
ID17050124SW003_02L	Star Butte Pond	23.18	ACRES
ID17050124SW003_03	Camp Creek - 3rd order	2.38	MILES
ID17050124SW004_02	Milk Creek - entire drainage	24.23	MILES
ID17050124SW005_02L	Soulen Reservoir	117.61	ACRES
ID17050124SW006_01L	Groner Reservoir	12.48	ACRES
ID17050124SW006_02L	Crane Springs Pond	15.97	ACRES
ID17050124SW009_02	Ben Ross Reservoir - all inlet and outlet streams	9.29	MILES
ID17050124SW010_02	Mill Creek - entire drainage	13.99	MILES
ID17050124SW013_02	Bacon Creek - entire drainage	7.96	MILES
ID17050124SW021_03	Hornet and North Fork Hornet Creeks - 3rd order	11.03	MILES
ID17050124SW026_02	Spring and Camp Creeks - 1st and 2nd order	26.52	MILES
ID17050124SW026_03	Spring Creek - 3rd order (Camp Creek to mouth)	1.5	MILES
ID17050124SW029_02	Sage Creek - 1st and 2nd order	40.34	MILES
ID17050124SW029_03	Sage Creek - 3rd order (Fairchild Reservoir outlet to mouth)	6.05	MILES
ID17050124SW030_02	Mann Creek - 1st and 2nd order	24.86	MILES
ID17050124SW031_02	Unnamed tributary to Mann Creek near Fairchild Reservoir	2.91	MILES
ID17050124SW033_02	Monroe Creek - 1st and 2nd order	58.35	MILES
ID17050124SW033_02L	Barton Reservoir	17.48	ACRES

2012 Integrated Report: Category 3: Unassessed Waters

17050201

Brownlee Reservoir

ID17050201SW002_02	Tributaries to Snake River - 1st and 2nd order	16.35	MILES
ID17050201SW002_02a	Salt Creek - entire drainage	4.37	MILES
ID17050201SW004_02	Snake River - Weiser River to Scott Creek	0.22	MILES
ID17050201SW011_02	Wolf Creek - 1st and 2nd order	10.57	MILES
ID17050201SW015_02L	Barber Flat Reservoir	4.95	ACRES

Upper Snake

17040104

Palisades

ID17040104SK005_02	Fall Creek - South Fork Fall Creek to mouth	20.52	MILES
ID17040104SK009_02	Indian Creek - source to mouth	9.83	MILES
ID17040104SK010_02	1st & 2nd Order Streams flowing into Palisades Reservoir	53.52	MILES
ID17040104SK010L_0L	Palisades Reservoir	15432.53	ACRES
ID17040104SK011_03	Bear Creek - North Fork Bear Creek to Palisades Reservoir	2.27	MILES
ID17040104SK012_02	North Fork Bear Creek - source to mouth	17.26	MILES
ID17040104SK014_02	McCoy Creek - Fish Creek to Palisades Reservoir	30.37	MILES
ID17040104SK014_03	McCoy Creek - Fish Creek to Palisades Reservoir	1.54	MILES
ID17040104SK015_02	McCoy Creek - Iowa Creek to Fish Creek	20.63	MILES
ID17040104SK016_02	McCoy Creek - Clear Creek to Iowa Creek	20.67	MILES
ID17040104SK016_04	McCoy Creek - Clear Creek to Iowa Creek	2.79	MILES
ID17040104SK017_02	Wolverine Creek - source to mouth	15.53	MILES
ID17040104SK017_03	Wolverine Creek - source to mouth	1.49	MILES
ID17040104SK018_02	Clear Creek - source to mouth	28.96	MILES
ID17040104SK018_03	Clear Creek - source to mouth	3.94	MILES
ID17040104SK020_02	Iowa Creek - source to mouth	18.74	MILES
ID17040104SK021_02	Fish Creek - source to mouth	16.85	MILES
ID17040104SK023_02	Burns Creek - source to Idaho/Wyoming border	8.1	MILES
ID17040104SK024_02	Indian Creek - Idaho/Wyoming border to Palisades Reservoir	6.59	MILES
ID17040104SK025_02	Big Elk Creek - Idaho/Wyoming border to Palisades Reservoir	22.73	MILES
ID17040104SK027_02	Palisades Creek - source to mouth	109.86	MILES
ID17040104SK028_02	Rainey Creek - source to mouth	89.51	MILES
ID17040104SK028_03	Rainey Creek - source to mouth	4.46	MILES
ID17040104SK031_02	Burnt Canyon Creek - source to mouth	21.1	MILES

17040105

Salt

2012 Integrated Report: Category 3: Unassessed Waters

ID17040105SK001_02	Tributaries of Salt River - source to Idaho/Wyoming border	9.49	MILES
ID17040105SK002_02d	Squaw Creek	16.23	MILES
ID17040105SK002_04	Jackknife Creek - source to Idaho/Wyoming border	4.74	MILES
ID17040105SK005_02	Tributaries of Salt River - source to Idaho/Wyoming border	24.98	MILES
ID17040105SK005_05	Tributaries of Salt River - source to Idaho/Wyoming border	0.29	MILES
ID17040105SK006_02	Stump Creek - source to Idaho/Wyoming border	56.03	MILES
ID17040105SK006_02L	Unnamed Lake - Trib to Stump Creek	4.06	ACRES
ID17040105SK007_02	Tygee Creek - source to mouth	16.13	MILES
ID17040105SK007_02a	Webster Creek	2.48	MILES
ID17040105SK007_02b	Draney Creek	3.43	MILES
ID17040105SK010_02	Deer Creek - source to mouth	2.47	MILES
ID17040105SK011_02	Rock Creek - source to mouth	17.48	MILES
ID17040105SK011_02a	Rock Creek	2.95	MILES
ID17040105SK012_01L	Elk Valley Springs	11.89	ACRES
ID17040105SK012_02	Spring Creek - source to mouth	3.7	MILES
ID17040105SK012_02b	Spring Creek	2.96	MILES

17040201

Idaho Falls

ID17040201SK001_02	Snake River - Dry Bed Creek to river mile 791	30.6	MILES
ID17040201SK001_04	Snake River - Dry Bed Creek to river mile 791	22.08	MILES
ID17040201SK001_05	Snake River - Dry Bed Creek to river mile 791	5.73	MILES
ID17040201SK002_02	South Fork Willow Creek - source to mouth	7.34	MILES
ID17040201SK002_05	South Fork Willow Creek - source to mouth	6.87	MILES
ID17040201SK003_05	North Fork Willow Creek - source to mouth	10.2	MILES
ID17040201SK004_02	Dry Bed Creek - source to mouth	14.31	MILES
ID17040201SK004_06	Dry Bed Creek - source to mouth	41.71	MILES
ID17040201SK005_02	Sand Creek complex	118.07	MILES
ID17040201SK005_03	Sand Creek complex	12.28	MILES
ID17040201SK005_04	Sand Creek complex	3.79	MILES
ID17040201SK006_05	Crow Creek - Willow Creek to mouth	28.27	MILES
ID17040201SK007_02	Crow Creek - source to Willow Creek	37.36	MILES
ID17040201SK009_02	Snake River - Annis Slough to Dry Bed Creek	21.39	MILES
ID17040201SK009_06	Snake River - Annis Slough to Dry Bed Creek	4.32	MILES
ID17040201SK009_07	Snake River - Annis Slough to Dry Bed Creek	24.93	MILES
ID17040201SK010_02	Spring Creek - canal (T05N, R38E) to mouth	5.49	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17040201SK011_02	Spring Creek - source to canal (T05N, R38E)	2.83	MILES
ID17040201SK012_02	Snake River - Dry Bed to Annis Slough	53.45	MILES
ID17040201SK012_06	Snake River - Dry Bed to Annis Slough	62.36	MILES
ID17040201SK012_07	Snake River - Dry Bed to Annis Slough	1.52	MILES
ID17040201SK014_02	Lyons Creek - source to mouth	57.98	MILES
ID17040201SK014_03	Lyons Creek - source to mouth	5.24	MILES
ID17040201SK015_02	Unnamed Tributary - source to mouth (T8N, R38E)	14.43	MILES
ID17040201SK015_03	Unnamed Tributary - source to mouth (T8N, R38E)	7.36	MILES
ID17040201SK016_02	Market Lake - 1st and 2nd Order Tribs	0.46	MILES
ID17040201SK016_02L	Market Lake	56.15	ACRES
ID17040201SK017_02	Kettle Butte complex	101.81	MILES

17040202

Upper Henrys

ID17040202SK001_01L	Blue Creek Reservoir - Cherry Dam	4.35	ACRES
ID17040202SK001_02	Henrys Fork - Warm River to Ashton Reservoir Dam	105.78	MILES
ID17040202SK001_02L	Coleman Canyon Lake	4.81	ACRES
ID17040202SK001_03	Henrys Fork - Warm River to Ashton Reservoir Dam	1.14	MILES
ID17040202SK001_06	Henrys Fork - Warm River to Ashton Reservoir Dam	6.39	MILES
ID17040202SK001_06L	Ashton Reservoir (Henrys Fork)	358.33	ACRES
ID17040202SK002_02	Warm River - Warm River Spring to mouth	15.56	MILES
ID17040202SK003_02	Moose Creek - source to confluence with Warm River	10.89	MILES
ID17040202SK004_02	Partridge Creek - source to mouth	45.88	MILES
ID17040202SK004_03	Partridge Creek - source to mouth	6.23	MILES
ID17040202SK006_02	Robinson Creek - Rock Creek to mouth	3.54	MILES
ID17040202SK006_04	Robinson Creek - Rock Creek to mouth	4.41	MILES
ID17040202SK007_02L	Long Meadows Lakes	27.41	ACRES
ID17040202SK008_02	Rock Creek - Wyoming Creek to mouth	10.12	MILES
ID17040202SK009_02	Wyoming Creek - Idaho/Wyoming border to mouth	5.16	MILES
ID17040202SK010_02L	Robinson Lake (Rock Creek)	33.86	ACRES
ID17040202SK011_02	Robinson Creek - Idaho/Wyoming border	42.97	MILES
ID17040202SK013_03	Fish Creek - source to mouth	4.02	MILES
ID17040202SK014_02	Henrys Fork - Thurman Creek to Warm River	35.85	MILES
ID17040202SK014_02L	Fish Pond (Henry's Fork)	64.75	ACRES
ID17040202SK015_02	Henrys Fork - Island Park Reservoir Dam to Thurman Creek	16.38	MILES
ID17040202SK015_05	Henrys Fork - Island Park Reservoir Dam to Thurman Creek	9.67	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17040202SK016_03	Buffalo River - Elk Creek to mouth	2.33	MILES
ID17040202SK017_02	Toms Creek - source to mouth	11.73	MILES
ID17040202SK018_02	Buffalo River - source to Elk Creek	17.83	MILES
ID17040202SK019_02	Elk Creek - source to mouth	7.12	MILES
ID17040202SK019_02L	Elk Creek Reservoir	20.44	ACRES
ID17040202SK020_01L	Unnamed Lake - Island Park Reservoir	7.24	ACRES
ID17040202SK020_02	1 & 2 Tribs Island Park Reservoir	82.73	MILES
ID17040202SK020_02L	Bishop Lake	17.19	ACRES
ID17040202SK020L_0L	Island Park Reservoir	7647.44	ACRES
ID17040202SK021_05	Henrys Fork-Confluence of Big Springs and Henrys Lake Outlet	7.88	MILES
ID17040202SK023_02	Big Springs - source to mouth	1.31	MILES
ID17040202SK025_03	Henrys Lake Outlet - Henrys Lake Dam to mouth	2.1	MILES
ID17040202SK026_02	Meadows Creek - source to mouth	5.27	MILES
ID17040202SK027_02	Reas Pass Creek - source to sink	17.25	MILES
ID17040202SK032_02	Henrys Lake 1st and 2nd order Tribs	25.51	MILES
ID17040202SK032L_0L	Henrys Lake	6078.47	ACRES
ID17040202SK037_02	Rock Creek - source to mouth	10.29	MILES
ID17040202SK037_02L	Lake Marie	3.15	ACRES
ID17040202SK038_02	Hope Creek - source to mouth	4.72	MILES
ID17040202SK039_02	Crooked Creek - source to mouth	17.76	MILES
ID17040202SK039_04	Crooked Creek - source to mouth	12.47	MILES
ID17040202SK043_02	Sheep Creek - source to mouth	24	MILES
ID17040202SK043_03	Sheep Creek - source to mouth	1.16	MILES
ID17040202SK043_03L	Sheep Creek Reservoir	20.13	ACRES
ID17040202SK044_02L	Icehouse Creek Reservoirs	83.28	ACRES
ID17040202SK045_02	Sheridan Creek - Kilgore Road (T13N, R41E, Sec. 07) to mouth	34.44	MILES
ID17040202SK046_02	Willow Creek - source to mouth	18.76	MILES
ID17040202SK046_03	Willow Creek - source to mouth	2.65	MILES
ID17040202SK047_03	Myers Creek - source to mouth	3.76	MILES
ID17040202SK048_02	Sheridan Creek -source to Kilgore Road (T13N, R41E, Sec. 07)	17.71	MILES
ID17040202SK048_02L	Unnamed Lake - West Fork Sheridan Creek	3.88	ACRES
ID17040202SK049_02	Sheridan Reservoir - Tribs order 1 & 2	8.17	MILES
ID17040202SK049L_0L	Sheridan Reservoir	324.25	ACRES
ID17040202SK050_02	Dry Creek - source to Sheridan Reservoir	16.38	MILES
ID17040202SK051_02	Thurman Creek - source to mouth	18.04	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17040202SK051_02L	Silver Lake	164.77	ACRES
ID17040202SK051_0L	Golden Lake	39.7	ACRES
ID17040202SK052_02	Rattlesnake Creek - source to mouth	14.35	MILES

17040203

Lower Henrys

ID17040203SK001_02	Henrys Fork	6.78	MILES
ID17040203SK001_06	Henrys Fork	26.66	MILES
ID17040203SK002_01L	Unnamed Lake	18.69	ACRES
ID17040203SK002_02	Henry's Fork-North Fork Teton R. to South Fork Teton River	14.6	MILES
ID17040203SK002_02L	Egin Lakes	32.05	ACRES
ID17040203SK002_06	Henry's Fork - North Fork Teton River to South Fork Teton R.	36.92	MILES
ID17040203SK002_0L	Mackerts Pond	5.51	ACRES
ID17040203SK003_02	Henrys Fork - Falls River to North Fork Teton River	19.94	MILES
ID17040203SK003_02L	Unnamed Lake - Henrys Fork	2.07	ACRES
ID17040203SK003_05	Henrys Fork - Falls River to North Fork Teton River	9.02	MILES
ID17040203SK004_02	Unnamed Tribs to Falls River	38.57	MILES
ID17040203SK004_03	Unnamed Tribs to Falls River	10.98	MILES
ID17040203SK005_02	Falls River - 02 Stream Order and tribs	6.12	MILES
ID17040203SK006_02	Conant Creek - Idaho/Wyoming border to Squirrel Creek	8.64	MILES
ID17040203SK007_02L	Ernest Lake	12.02	ACRES
ID17040203SK008_02	Squirrel Creek - Idaho/Wyoming border to mouth	19.68	MILES
ID17040203SK009_02	Falls River - Idaho/Wyoming border to Boone Creek	17.7	MILES
ID17040203SK009_04	Falls River - Idaho/Wyoming border to Boone Creek	17.22	MILES
ID17040203SK010_03	Boone Creek - Idaho/Wyoming border to mouth	4.87	MILES
ID17040203SK011_02	Boundary Creek - Idaho/Wyoming border (T12N, R46E, Sec. 06)	16.72	MILES
ID17040203SK011_03	Boundary Creek - Idaho/Wyoming border (T12N, R46E, Sec. 06)	4.07	MILES
ID17040203SK012_02	Henrys Fork - Ashton Reservoir Dam to Falls River	59.7	MILES
ID17040203SK012_02L	Mikesell Reservoirs #1 and #2	31.37	ACRES
ID17040203SK012_06	Henrys Fork - Ashton Reservoir Dam to Falls River	6.5	MILES
ID17040203SK013_04L	Lemon Lake - (Sand Creek)	42.56	ACRES
ID17040203SK014_02	Pine Creek - source to mouth	21.31	MILES
ID17040203SK014_03	Pine Creek - source to mouth	1.9	MILES
ID17040203SK014_03L	Lower Arcadia Reservoir (Pine Creek Source to Mouth)	71.59	ACRES
ID17040203SK015_02	Sand Creek - source to Pine Creek	78.79	MILES
ID17040203SK015_02L	Sand Creek Reservoir	70.28	ACRES

2012 Integrated Report: Category 3: Unassessed Waters

ID17040203SK015_03	Sand Creek - source to Pine Creek	4.83	MILES
ID17040203SK015_03L	Upper Arcadia Reservoir	53.62	ACRES
ID17040203SK015_04L	Blue Creek Reservoir(s) #S 1, 2, 3	81.12	ACRES
ID17040203SK016_06	Warm Slough - source to mouth	8.59	MILES

17040204

Teton

ID17040204SK001_02	South Fork Teton River - Teton River Forks to Henrys Fork	41.03	MILES
ID17040204SK001_03	South Fork Teton River - Teton River Forks to Henrys Fork	4.78	MILES
ID17040204SK002_02	North Fork Teton River - Teton River Forks to Henrys Fork	13.53	MILES
ID17040204SK003_02	Teton River - Teton Dam to Teton River Forks	14.78	MILES
ID17040204SK004_02	Teton River - Canyon Creek to Teton Dam	10.27	MILES
ID17040204SK004_05	Teton River - Canyon Creek to Teton Dam	5.52	MILES
ID17040204SK005_02	Moody Creek - confluence of North and South Fork Moody Creek	106.47	MILES
ID17040204SK006_03	South Fork Moody Creek - source to mouth	0.74	MILES
ID17040204SK007_03	North Fork Moody Creek - source to mouth	1.25	MILES
ID17040204SK009_02	Canyon Creek - source to Warm Creek	57.42	MILES
ID17040204SK009_04	Canyon Creek - source to Warm Creek	0.36	MILES
ID17040204SK010_02	Calamity Creek - source to mouth	19.63	MILES
ID17040204SK012_02	Teton River - Milk Creek to Canyon Creek	17.47	MILES
ID17040204SK012_05	Teton River - Milk Creek to Canyon Creek	5.04	MILES
ID17040204SK013_03	Milk Creek - source to mouth	7.1	MILES
ID17040204SK014_02	Teton River - Felt Dam outlet to Milk Creek	22.43	MILES
ID17040204SK014_05	Teton River - Felt Dam outlet to Milk Creek	7.65	MILES
ID17040204SK015_02	Teton River - Felt Dam pool	7.21	MILES
ID17040204SK016_02	Teton River - Highway 33 bridge to Felt Dam pool	12.12	MILES
ID17040204SK017_02	Teton River	31.92	MILES
ID17040204SK017_03	Teton River	5.38	MILES
ID17040204SK019_02L	Packsaddle Lake	5	ACRES
ID17040204SK020_02	Teton River	34.17	MILES
ID17040204SK020_03	Teton River	2.75	MILES
ID17040204SK021_02	Horseshoe Creek	2.48	MILES
ID17040204SK024_02	Mahogany Creek -pipeline diversion (NE ¼, Sec. 27, T4N, R44)	8.61	MILES
ID17040204SK028_02	Teton River	5.57	MILES
ID17040204SK029_02	Patterson Creek - pump diversion (SE ¼, Sec. 31, T4N, R44E)	1.55	MILES
ID17040204SK031_02	Grove Creek - source to sink	2.56	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17040204SK034_03	Warm Creek - source to mouth	1.95	MILES
ID17040204SK035_03	Trail Creek	7.86	MILES
ID17040204SK047_03	Teton Creek	8.27	MILES
ID17040204SK051_02	Dry Creek - Idaho/Wyoming border to sinks	2.95	MILES
ID17040204SK051_03	Dry Creek - Idaho/Wyoming border to sinks	7.68	MILES
ID17040204SK053_02	South Leigh Creek	3.42	MILES
ID17040204SK054_02	Spring Creek - North Leigh Creek to mouth	4.06	MILES
ID17040204SK055_02	North Leigh Creek - Idaho/Wyoming border to mouth	4.99	MILES
ID17040204SK057_02	Badger Creek	5.86	MILES
ID17040204SK058_02	Badger Creek	25.32	MILES
ID17040204SK059_02	Badger Creek	0.88	MILES
ID17040204SK060_02	South Fork Badger Creek	2.08	MILES
ID17040204SK061_02	South Fork Badger Creek - Idaho/Wyoming border to diversion	3.08	MILES
ID17040204SK062_02	North Fork Badger Creek - Idaho/Wyoming border to mouth	9.37	MILES
ID17040204SK062_03	North Fork Badger Creek - Idaho/Wyoming border to mouth	2.1	MILES
ID17040204SK063_02	Bitch Creek - Swanner Creek to mouth	15.25	MILES
ID17040204SK064_02	Swanner Creek - Idaho/Wyoming border to mouth	30.82	MILES
ID17040204SK064_03	Swanner Creek - Idaho/Wyoming border to mouth	3.79	MILES
ID17040204SK065_02	Bitch Creek - Idaho/Wyoming border to Swanner Creek	30.02	MILES
ID17040204SK065_02L	McRenolds Reservoir	4.15	ACRES

17040205

Willow

ID17040205SK001_02	Willow Creek - Ririe Reservoir Dam to Eagle Rock Canal	15.31	MILES
ID17040205SK002_02	01 & 02 Tribs to Ririe Reservoir	21.75	MILES
ID17040205SK003_02	Blacktail Creek - source to Ririe Reservoir	23.56	MILES
ID17040205SK003_03	Blacktail Creek - source to Ririe Reservoir	2.97	MILES
ID17040205SK004_02	Willow Creek - Bulls Fork to Ririe Reservoir	5.67	MILES
ID17040205SK005_03	Willow Creek - Birch Creek to Bulls Fork	2.9	MILES
ID17040205SK007_02	Squaw Creek - source to mouth	10.76	MILES
ID17040205SK014_02L	Rat Lake	12.85	ACRES
ID17040205SK015_02L	Robinson Reservoir	17.81	ACRES
ID17040205SK016_02	Grays Lake outlet - Hell Creek to mouth	11.31	MILES
ID17040205SK017_02	Grays Lake outlet - Homer Creek to Hell Creek	11.61	MILES
ID17040205SK018_02L	Unnamed Lake Trib to Homer Creek	2.81	ACRES
ID17040205SK019_02	Grays Lake outlet - Brockman Creek to Homer Creek	22.21	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17040205SK021_02L	Grays Lake	23678.06	ACRES
ID17040205SK022_02	Little Valley Creek - source to mouth	9.25	MILES
ID17040205SK022_02L	Little Valley Reservoir	263.99	ACRES
ID17040205SK023_03	Gravel Creek - source to mouth	6.91	MILES
ID17040205SK030_03	Bulls Fork - source to mouth	0.78	MILES

17040206 American Falls

ID17040206SK000_02	Unclassified Waters	850.48	MILES
ID17040206SK000_02L	Unclassified Lakes	24.91	ACRES
ID17040206SK000_03	Unclassified Waters	42	MILES
ID17040206SK003_02	Starlight Creek - source to mouth	17.44	MILES
ID17040206SK004_02	Blind Spring - source to mouth	26.63	MILES
ID17040206SK005_03	Sunbeam Creek	2.82	MILES
ID17040206SK006_03	Moonshine Creek - source to mouth	1.16	MILES
ID17040206SK006_04	Moonshine Creek - source to mouth	5.03	MILES
ID17040206SK007_02	Sawmill Creek - source to mouth	18.08	MILES
ID17040206SK007_03	Sawmill Creek - source to mouth	3.61	MILES
ID17040206SK011_02	Clifton Creek - source to mouth	14.93	MILES
ID17040206SK013_03	Michaud Creek	1.13	MILES
ID17040206SK014_02	Ross Fork - Gibson Canal to American Falls Reservoir	1.17	MILES
ID17040206SK014_04	Ross Fork - Gibson Canal to American Falls Reservoir	7.93	MILES
ID17040206SK015_02	Ross Fork - Indian Creek to Gibson Canal	41.04	MILES
ID17040206SK015_04	Ross Fork - Indian Creek to Gibson Canal	8.27	MILES
ID17040206SK016_02	Indian Creek - source to mouth	8.04	MILES
ID17040206SK017_02	South Fork Ross Fork - source to mouth	47.45	MILES
ID17040206SK017_03	South Fork Ross Fork - source to mouth	7.59	MILES
ID17040206SK018_02	Ross Fork - source to South Fork Ross Fork	111.7	MILES
ID17040206SK018_03	Ross Fork - source to South Fork Ross Fork	10.88	MILES
ID17040206SK018_04	Ross Fork - source to South Fork Ross Fork	3.83	MILES
ID17040206SK021_02	Big Jimmy Creek - source to American Falls Reservoir	8.31	MILES
ID17040206SK022_02L	Jensens Lake	65.07	ACRES
ID17040206SK022_03	Snake River	2.31	MILES
ID17040206SK023_02	Jeff Cabin Creek - source to mouth	8.06	MILES
ID17040206SK025_02	Little Hole Draw - source to American Falls Reservoir	51.44	MILES

17040207 Blackfoot

2012 Integrated Report: Category 3: Unassessed Waters

ID17040207SK000_02	Unclassified Waters in CU 17040207	0.84	MILES
ID17040207SK001_02	Blackfoot River - Fort Hall Main Canal diversion to mouth	12.87	MILES
ID17040207SK001_05	Blackfoot River - Fort Hall Main Canal diversion to mouth	14.87	MILES
ID17040207SK002_02	Blackfoot River - Blackfoot Reservoir Dam to Fort Hall Main	248.66	MILES
ID17040207SK002_02L	Equalizing Reservoir	225.22	ACRES
ID17040207SK002_03	Blackfoot River - Blackfoot Reservoir Dam to Fort Hall Main	1.76	MILES
ID17040207SK002_04	Blackfoot River - Blackfoot Reservoir Dam to Fort Hall Main	5.97	MILES
ID17040207SK003_02	Garden Creek - source to mouth	11.53	MILES
ID17040207SK004_02	Wood Creek - source to mouth	17.55	MILES
ID17040207SK004_03	Wood Creek - source to mouth	3.74	MILES
ID17040207SK006_02aL	Chicken Creek Reservoir	8.49	ACRES
ID17040207SK009_02	Blackfoot Reservoir 1st and 2nd order tributaries	112.03	MILES
ID17040207SK009_02L	Enders Pond	48.12	ACRES
ID17040207SK009L_0L	Blackfoot Reservoir	17457.29	ACRES
ID17040207SK017_02	Timothy Creek - source to mouth	5.34	MILES
ID17040207SK017_02b	lower Timothy Creek	1.49	MILES
ID17040207SK021_02	Chippy Creek - source to mouth	17.3	MILES
ID17040207SK021_02b	lower Olsen Creek	0.94	MILES
ID17040207SK024_02	Wooley Valley - source to mouth	21.4	MILES
ID17040207SK025_02b	Sheep Creek	4.27	MILES
ID17040207SK025_03a	lower Clark's Cut - Meadow Creek to Sheep Creek	1.23	MILES

17040208

Portneuf

ID17040208SK001_02b	Trail Creek	5.6	MILES
ID17040208SK001_03	Blackrock Canyon - lower	1.5	MILES
ID17040208SK006_02	Marsh Creek - source to mouth - Second order tributaries	211.4	MILES
ID17040208SK006_02L	Wiregrass Reservoir	4.13	ACRES
ID17040208SK012_02	Hawkins Reservoir	1.1	MILES
ID17040208SK018_02L	Twentyfour Mile Reservoir	34.01	ACRES
ID17040208SK019_02	01 & 02 Tribs to Chesterfield Reservoir	18.14	MILES
ID17040208SK019L_0L	Chesterfield Reservoir	1245.66	ACRES
ID17040208SK021_02L	Blue Lake	2.5	ACRES

17040209

Lake Walcott

ID17040209SK000_02	Unclassified Waters	524.45	MILES
ID17040209SK000_02A	Dayley Creek	46.08	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17040209SK000_02L	Unclassified Farm Pond in 17040209	9.39	ACRES
ID17040209SK000_03	Unclassified Waters in CU 17040209	19.55	MILES
ID17040209SK001_03	Unnamed 3rd order tributaries to the Snake River	0.3	MILES
ID17040209SK003_02A	Intermittent streams of Marsh Creek - source to mouth	15.51	MILES
ID17040209SK003_04A	Howell Creek	3.04	MILES
ID17040209SK003_04L	Dewy Pond (Marsh Creek Source to Mouth)	79.07	ACRES
ID17040209SK004_02	Lake Walcott (Snake River)	6.27	MILES
ID17040209SK006_02	SNAKE RIVER - Rock Creek to Raft River	73.93	MILES
ID17040209SK006_03	SNAKE RIVER - Rock Creek to Raft River	7.96	MILES
ID17040209SK007_02	Fall Creek - source to mouth	17.45	MILES
ID17040209SK007_03	Fall Creek - source to mouth	0.65	MILES
ID17040209SK008_02	Rock Creek	76	MILES
ID17040209SK011_03	SNAKE RIVER - American Falls Reservoir Dam to Rock Creek	2.82	MILES

17040210

Raft

ID17040210SK001_02	Raft River - Heglar Canyon Creek to mouth	68.39	MILES
ID17040210SK001_03	Raft River - Heglar Canyon Creek to mouth	5.77	MILES
ID17040210SK002_02A	Coe Creek	53.94	MILES
ID17040210SK002_03	Raft River - Cassia Creek to Heglar Canyon Creek	14.95	MILES
ID17040210SK003_02	Cassia Creek - Conner Creek to mouth	74.43	MILES
ID17040210SK004_03	Conner Creek - source to mouth	2.45	MILES
ID17040210SK005_02	Cassia Creek - Clyde Creek to Conner Creek	72.13	MILES
ID17040210SK005_03	Cassia Creek - Clyde Creek to Conner Creek	3.39	MILES
ID17040210SK006_03	Clyde Creek - source to mouth	4.33	MILES
ID17040210SK008_02	Raft River - Cottonwood Creek to Cassia Creek	135.44	MILES
ID17040210SK008_03	Raft River - Cottonwood Creek to Cassia Creek	0.33	MILES
ID17040210SK009_02	Cottonwood Creek - source to mouth	23.54	MILES
ID17040210SK009_03	Cottonwood Creek - source to mouth	0.17	MILES
ID17040210SK010_02	Raft River	167.86	MILES
ID17040210SK010_03	Raft River	10.3	MILES
ID17040210SK010_03L	Unnamed Ponds- One Mile Creek	4.46	ACRES
ID17040210SK012_03	Edwards Creek - source to mouth	7.35	MILES
ID17040210SK013_02	Raft River - Idaho/Utah border to Edwards Creek	61.2	MILES
ID17040210SK013_03	Raft River - Idaho/Utah border to Edwards Creek	16.55	MILES
ID17040210SK014_02	Junction Creek - source to Idaho/Utah border	24.48	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17040210SK015_02	Cottonwood Creek - source to Idaho/Utah border	26.32	MILES
ID17040210SK015_03	Cottonwood Creek - source to Idaho/Utah border	1.06	MILES
ID17040210SK016_02	Clear Creek - Idaho/Utah border to mouth	328.05	MILES
ID17040210SK016_03	Clear Creek - Idaho/Utah border to mouth	25.04	MILES
ID17040210SK016_04	Clear Creek - Idaho/Utah border to mouth	12.37	MILES
ID17040210SK017_02	Kelsaw Canyon Creek - source to mouth	15.76	MILES
ID17040210SK018_02	Meadow Creek - source to mouth	111.46	MILES
ID17040210SK018_03	Meadow Creek - source to mouth	21.28	MILES
ID17040210SK021_02	Sublett Creek - source to Sublett Reservoir	38.44	MILES
ID17040210SK023_02	Heglar Canyon Creek - source to mouth	74.04	MILES
ID17040210SK023_03	Heglar Canyon Creek - source to mouth	10.35	MILES
ID17040210SK023_04	Heglar Canyon Creek - source to mouth	8.44	MILES

17040211 Goose

ID17040211SK000_02	Unclassified Waters	119.68	MILES
ID17040211SK000_03	Unclassified Waters	11.04	MILES
ID17040211SK002_02	Lower Goose Creek	33.28	MILES
ID17040211SK002_03	Lower Goose Creek	1.61	MILES
ID17040211SK014_02	Land-Willow-Smith Creek complex	109.1	MILES
ID17040211SK014_03	Land/Willow/Smith Creek complex	14.06	MILES

17040212 Upper Snake-Rock

ID17040212SK000_03	Unclassified Waters	15.84	MILES
ID17040212SK002_02	Big Pilgrim Gulch - source to mouth	30.74	MILES
ID17040212SK003_02	Cassia Gulch - source to mouth	22.05	MILES
ID17040212SK003_03	Cassia Gulch - source to mouth	0.48	MILES
ID17040212SK004_02	Tuana Gulch - source to mouth	72.87	MILES
ID17040212SK009_02	Deep Creek - source to High Line Canal	13.3	MILES
ID17040212SK014_03	North Cottonwood Creek - source to mouth (3rd order)	4.23	MILES
ID17040212SK014_04L	McMullen Creek Reservoir	79	ACRES
ID17040212SK016_02	Rock Creek	23.62	MILES
ID17040212SK016_03	Rock Creek	0.36	MILES
ID17040212SK021_0L	Murtaugh Lake	835.69	ACRES
ID17040212SK025_02	Big Cottonwood Creek - source to mouth	11.74	MILES
ID17040212SK026_03L	Wilson Lake Reservoir	514.56	ACRES
ID17040212SK029_02	Banbury Springs	0.57	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17040212SK030_02	Box Canyon Creek - source to mouth	2.09	MILES
ID17040212SK032_02	Bickel Springs	1.77	MILES
ID17040212SK034_02	Clover Creek - Pioneer Reservoir Dam to mouth	42.59	MILES
ID17040212SK036_03	Clover Creek - source to Pioneer Reservoir	0.58	MILES
ID17040212SK037_02	Cottonwood Creek - source to mouth	20.77	MILES
ID17040212SK037_03	Cottonwood Creek - source to mouth	0.71	MILES
ID17040212SK038_03	Catchall Creek - source to mouth	1.3	MILES
ID17040212SK039_02	Deer Creek - source to mouth	19.06	MILES
ID17040212SK041_02	Dry Creek - source to mouth	48.66	MILES
ID17040212SK041_03	Dry Creek - source to mouth	12.03	MILES

17040213

Salmon Falls

ID17040213SK000_02	Unclassified Waters	49.58	MILES
ID17040213SK000_03	Unclassified Waters	2.92	MILES
ID17040213SK001_02	Salmon Falls Creek - Devil Creek to mouth	26.65	MILES
ID17040213SK001_02L	Unnamed Pond - Salmon Falls Creek	4.53	ACRES
ID17040213SK002_02	Devil Creek-1st and 2nd order tribs.	165.04	MILES
ID17040213SK002_02L	Heil Reservoir (Heil Dam)	47.69	ACRES
ID17040213SK003_01L	Unnamed Farm Ponds	7.84	ACRES
ID17040213SK003_02	Salmon Falls Creek - Salmon Falls Creek Dam to Devil Creek	132.37	MILES
ID17040213SK003_02L	Cedar Mesa Reservoir	23.34	ACRES
ID17040213SK003_03	Salmon Falls Creek - Salmon Falls Creek Dam to Devil Creek	2.22	MILES
ID17040213SK004_03	Trib to Cedar Creek Reservoir	0.83	MILES
ID17040213SK007_02	Whiskey Slough, Salmon Falls Creek Reservoir tributaries	37.05	MILES
ID17040213SK007_02L	Whiskey Slough	3.43	ACRES
ID17040213SK007_06	Salmon Falls Creek	0.94	MILES
ID17040213SK009_02	Salmon Falls Creek-Idaho/Nevada border to Salmon Falls Creek	42.23	MILES
ID17040213SK009_03	Salmon Falls Creek-Idaho/Nevada border to Salmon Falls Creek	1.7	MILES
ID17040213SK011_02	Shoshone Creek - Hot Creek to Idaho/Nevada border	85.56	MILES
ID17040213SK011_03	Shoshone Creek - Hot Creek to Idaho/Nevada border	2.45	MILES
ID17040213SK013_02	Shoshone Creek - Cottonwood Creek to Hot Creek	25.12	MILES
ID17040213SK016_02L	Unnamed diversion trib to Shoshone Creek	7.17	ACRES

17040214

Beaver-Camas

ID17040214SK001_02	Camas Creek - Beaver Creek to Mud Lake	6.82	MILES
ID17040214SK001_05	Camas Creek - Beaver Creek to Mud Lake	5.54	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17040214SK001_05L	Sandhole Lake	142.06	ACRES
ID17040214SK001_06L	Rays Lake	192.79	ACRES
ID17040214SK002_02	Camas Creek - Spring Creek to Beaver Creek	29.08	MILES
ID17040214SK004_02	Spring Creek - Dry Creek to mouth	2.59	MILES
ID17040214SK004_04	Spring Creek - Dry Creek to mouth	8.73	MILES
ID17040214SK005_03	Dry Creek - source to mouth	12.82	MILES
ID17040214SK007_04	Camas Creek	17.96	MILES
ID17040214SK008_03L	Unnamed Lake - Crab Creek	4.24	ACRES
ID17040214SK009_03	Warm Creek - Cottonwood Creek to mouth and East Camas Creek	21.11	MILES
ID17040214SK009_04	Warm Creek - Cottonwood Creek to mouth and East Camas Creek	6.53	MILES
ID17040214SK014_02	Beaver Creek - Dry Creek to canal	89.45	MILES
ID17040214SK014_02L	Unnamed Ponds - Beaver Creek to Dry Creek	16.47	ACRES
ID17040214SK014_03	Beaver Creek - Dry Creek to canal (T09N, R36E)	3.15	MILES
ID17040214SK015_02	Beaver Creek - Rattlesnake Creek to Dry Creek	1.39	MILES
ID17040214SK016_04	Rattlesnake Creek - source to mouth	1.06	MILES
ID17040214SK019_02	Miners Creek - source to mouth	21.07	MILES
ID17040214SK019_03	Miners Creek - source to mouth	0.97	MILES
ID17040214SK025_02	Dry Creek - source to mouth	23.62	MILES
ID17040214SK025_03	Dry Creek - source to mouth	7.09	MILES
ID17040214SK026_02	Cottonwood Creek complex	89.36	MILES

17040215

Medicine Lodge

ID17040215SK001_06L	Mud Lake	3094.08	ACRES
ID17040215SK001_0L	North Lake	764.17	ACRES
ID17040215SK002_01L	Unnamed Intermittent Lake	11.87	ACRES
ID17040215SK002_02	Medicine Lodge Creek - Indian Creek to playas	56.22	MILES
ID17040215SK004_02	East Fork Indian Creek	14.11	MILES
ID17040215SK006_02	Medicine Lodge Creek - Edie Creek to Indian Creek	8.41	MILES
ID17040215SK019_02	Blue Creek - source to mouth	29.16	MILES
ID17040215SK022_02	Chandler Canyon complex	90.14	MILES
ID17040215SK022_03	Chandler Canyon complex	11.36	MILES

17040216

Birch

ID17040216SK001_02	Birch Creek - Reno Ditch to playas	200.7	MILES
ID17040216SK001_03	Birch Creek - Reno Ditch to playas	2.78	MILES
ID17040216SK002_02	Birch Creek - Pass Creek to Reno Ditch	18.69	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17040216SK003_02	Birch Creek	43.73	MILES
ID17040216SK003_04	Birch Creek	6.73	MILES
ID17040216SK004_02	Unnamed Tributary - source to mouth; includes Timber Canyon	32.94	MILES
ID17040216SK004_03	Unnamed Tributary - source to mouth; includes Timber Canyon	2.53	MILES
ID17040216SK005_02	Birch Creek	19.6	MILES
ID17040216SK005_03	Birch Creek	2.44	MILES
ID17040216SK005_04	Birch Creek	1.76	MILES
ID17040216SK006_02	Scott Canyon Creek - source to mouth	16.84	MILES
ID17040216SK007_02	Mud Creek - Willow Creek to Scott Canyon Creek	2.63	MILES
ID17040216SK007_03	Mud Creek - Willow Creek to Scott Canyon Creek	4.67	MILES
ID17040216SK008_02	Cedar Gulch and Irish Canyon - source to mouth	29.74	MILES
ID17040216SK010_02	Mud Creek	39.1	MILES
ID17040216SK010_03	Mud Creek	2.51	MILES
ID17040216SK011_02	Mud Creek-source to Unnamed Tributary (T12N, R11W, Sec. 29)	41.95	MILES
ID17040216SK011_03	Mud Creek -source to Unnamed Tributary (T12N, R11W, Sec. 29)	5.98	MILES
ID17040216SK012_02	Unnamed Tributary - source to mouth (T12N, R11W, Sec. 29)	49.57	MILES
ID17040216SK012_03	Unnamed Tributary - source to mouth (T12N, R11W, Sec. 29)	0.58	MILES
ID17040216SK013_02	Meadow Canyon Creek - source to mouth	23.85	MILES
ID17040216SK013_03	Meadow Canyon Creek - source to mouth	7.15	MILES
ID17040216SK014_02	Rocky Canyon Creek - source to mouth	15.7	MILES
ID17040216SK015_02	Pass Creek - source to mouth	43.43	MILES
ID17040216SK016_02	Eightmile Canyon Creek - source to mouth	50.77	MILES
ID17040216SK016_03	Eightmile Canyon Creek - source to mouth	4.68	MILES

17040217

Little Lost

ID17040217SK001_03	Little Lost River - canal (T06N, R28E) to playas	0.14	MILES
ID17040217SK002_02	Little Lost River - Big Spring Creek to canal (T06N, R28E)	10.27	MILES
ID17040217SK004_03	North Creek - source to mouth	5.78	MILES
ID17040217SK005_03	Uncle Ike Creek - source to mouth	4.47	MILES
ID17040217SK006_02	Unnamed Tributaries - source to mouth (T08N, R28E)	79.98	MILES
ID17040217SK007_03	Little Lost River - Badger Creek to Big Spring Creek	4.15	MILES
ID17040217SK010_02	Little Lost River - confluence of Summit and Sawmill Creeks	15.02	MILES
ID17040217SK010_03	Little Lost River - confluence of Summit and Sawmill Creeks	1.04	MILES
ID17040217SK011_02	Deep Creek - source to mouth	28.26	MILES
ID17040217SK012_03	Sawmill Creek - Warm Creek to mouth	2.53	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17040217SK014_02L	Mill Creek Lake	15.72	ACRES
ID17040217SK020_02	Dry Creek - Dry Creek Canal to mouth	24.82	MILES
ID17040217SK022_02	Wet Creek - Squaw Creek to mouth	19.65	MILES
ID17040217SK026_02	Taylor Canyon Creek - source to mouth	36.2	MILES
ID17040217SK026_04	Taylor Canyon Creek - source to mouth	1.72	MILES
ID17040217SK027_02	Cabin Fork Creek - source to mouth	30.6	MILES
ID17040217SK027_03	Cabin Fork Creek - source to mouth	4.98	MILES
ID17040217SK028_02	Hurst Creek - source to mouth	48.43	MILES
ID17040217SK028_03	Hurst Creek - source to mouth	9.65	MILES
ID17040217SK029_02	Unnamed Tributary	8.87	MILES

17040218

Big Lost

ID17040218SK001_02	Big Lost River Sinks (playas) and Dry Channel	2.08	MILES
ID17040218SK001_06	Big Lost River Sinks (playas) and Dry Channel	32.38	MILES
ID17040218SK002_02	Big Lost River-Spring Creek to Big Lost River Sinks (playas)	442.02	MILES
ID17040218SK002_02L	Arco Canal	17.95	ACRES
ID17040218SK002_03	Big Lost River - Spring Creek to Big Lost River Sinks (playa	5.96	MILES
ID17040218SK002_04	Big Lost River-Spring Creek to Big Lost River Sinks (playas)	6.05	MILES
ID17040218SK003_02	Spring Creek - Lower Pass Creek to Big Lost River	31.39	MILES
ID17040218SK004_02	Big Lost River - Antelope Creek to Spring Creek	40.67	MILES
ID17040218SK004_06	Big Lost River - Antelope Creek to Spring Creek	37.99	MILES
ID17040218SK005_02	King, Lime Kiln, Ramshorn, and Anderson Canyon Creek	36.69	MILES
ID17040218SK005_06	King, Lime Kiln, Ramshorn, and Anderson Canyon Creek	0.21	MILES
ID17040218SK006_02	Lower Pass Creek - source to mouth	13.59	MILES
ID17040218SK006_05	Lower Pass Creek - source to mouth	5.33	MILES
ID17040218SK007_02	Big Lost River - Alder Creek to Antelope Creek	7.16	MILES
ID17040218SK008_02	Elbow, Jepson, Clark, Maddock, and Jaggles Canyon Creek	35.45	MILES
ID17040218SK008_03	Elbow, Jepson, Clark, Maddock, and Jaggles Canyon Creek	3.95	MILES
ID17040218SK009_02L	Mud Lake	6.25	ACRES
ID17040218SK009_03	Pass Creek - source to mouth	10.22	MILES
ID17040218SK010_02	Big Lost River - Beck and Evan Ditch to Alder Creek	2.79	MILES
ID17040218SK011_02	Big Lost River - McKay Reservoir Dam to Beck and Evan Ditch	76.66	MILES
ID17040218SK012_02	Unnamed Tributaries to McKay Reservoir	30.72	MILES
ID17040218SK012L_0L	McKay Reservoir	1172.23	ACRES
ID17040218SK013_02	Big Lost River - Jones Creek to McKay Reservoir	11.85	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17040218SK014_02	Jones Creek - source to mouth	10.17	MILES
ID17040218SK015_02	Big Lost River - Thousand Springs Creek to Jones Creek	19.66	MILES
ID17040218SK016_05	Thousand Springs Creek - source to mouth	8.86	MILES
ID17040218SK017_02	Lone Cedar Creek - source to mouth	5.7	MILES
ID17040218SK018_02	Cedar Creek - source to mouth	6.85	MILES
ID17040218SK020_02	Willow Creek - source to mouth	19.29	MILES
ID17040218SK021_02	Arentson Gulch and Unnamed Tributaries - source to mouth	35.86	MILES
ID17040218SK022_03	Sage Creek - source to mouth	7.65	MILES
ID17040218SK023_05	Parsons Creek - T8N, R22E, Sec. 24, point of perennial flow	11.25	MILES
ID17040218SK025_04	Big Lost River - Summit Creek to and including Burnt Creek	4.95	MILES
ID17040218SK032_02	Fall Creek - source to mouth	22.23	MILES
ID17040218SK034_02	Fox Creek - source to mouth	9.04	MILES
ID17040218SK038_02L	Long and Rough Lakes	22	ACRES
ID17040218SK041_03	Corral Creek - source to mouth	2.19	MILES
ID17040218SK042_02	Boone Creek - source to mouth	11.96	MILES
ID17040218SK043_02L	Lehman Creek Lake	1.98	ACRES
ID17040218SK045_05	Alder Creek - source to mouth	4.66	MILES
ID17040218SK047_02	Antelope Creek - Dry Fork Creek to Spring Creek	9.64	MILES
ID17040218SK048_02	Spring Creek - source to mouth	9.99	MILES
ID17040218SK049_02	Cherry Creek-confluence of Left Fork Cherry and Lupine Creek	37.14	MILES
ID17040218SK050_02	Lupine Creek - source to mouth	24.22	MILES
ID17040218SK054_02	Iron Bog Creek - confluence of Left and Right Fork Iron Bog	1.52	MILES
ID17040218SK059_02	Dry Fork Creek - source to mouth	37.03	MILES
ID17040218SK059_03	Dry Fork Creek - source to mouth	15.08	MILES
ID17040218SK059_05	Dry Fork Creek - source to mouth	8.73	MILES
ID17040218SK060_02	South Fork Antelope Creek - Antelope Creek to mouth	4.48	MILES
ID17040218SK061_02	Hammond Spring Creek complex	69.58	MILES
ID17040218SK061_03	Hammond Spring Creek complex	5.8	MILES

17040219

Big Wood

ID17040219SK000_01L	Turkey Lake	4.9	ACRES
ID17040219SK000_02	Unclassified Waters	250.57	MILES
ID17040219SK000_02L	Unnamed Reservoir	5.29	ACRES
ID17040219SK000_03	Unclassified Waters	2.14	MILES
ID17040219SK000_05	Unclassified Waters	8.99	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17040219SK001_02	Malad River - confluence of Black Canyon Creek and Big Wood	16.76	MILES
ID17040219SK002_02	Big Wood River - Magic Reservoir Dam to mouth	48.01	MILES
ID17040219SK002_03	Big Wood River - Magic Reservoir Dam to mouth	3.1	MILES
ID17040219SK003_02	01 & 02 Tribs to Magic Reservoir	12.07	MILES
ID17040219SK004_02	Big Wood River - Seamans Creek to Magic Reservoir	87.77	MILES
ID17040219SK004_03	Big Wood River - Seamans Creek to Magic Reservoir	5.44	MILES
ID17040219SK005_02	Seamans Creek - Slaughterhouse Creek to mouth	5.26	MILES
ID17040219SK006_03L	Seaman Creek Diversion Pond	15.54	ACRES
ID17040219SK008_02L	Quigley Pond	5.65	ACRES
ID17040219SK009_02	Indian Creek - source to mouth	12.97	MILES
ID17040219SK010_02	East Fork Wood River - Hyndman Creek to mouth	14.19	MILES
ID17040219SK011_04	East Fork Wood River - source to Hyndman Creek	2.04	MILES
ID17040219SK013_02	Trail Creek - Corral Creek to mouth	7.76	MILES
ID17040219SK015_02	Lake Creek - source to mouth	10.65	MILES
ID17040219SK025_02a	Greenhorn Creek - USFS boundary to mouth	4.5	MILES
ID17040219SK027_02L	Unnamed Lake Democrat Gulch	4.62	ACRES
ID17040219SK029_02L	Thorn Creek Reservoir	110.19	ACRES
ID17040219SK029_03	Thorn Creek - source to mouth	7.08	MILES
ID17040219SK029_04	Thorn Creek - source to mouth	5.34	MILES
ID17040219SK030_03L	Bray Lake	140.75	ACRES
ID17040219SK030_04	Black Canyon Creek - source to mouth	9.08	MILES

17040220

Camas

ID17040220SK001_02	Camas Creek - Elk Creek to Magic Reservoir	48.7	MILES
ID17040220SK001_05L	Magic Reservoir - Camas Creek	290.08	ACRES
ID17040220SK003_02	Willow Creek - Beaver Creek to mouth	8.99	MILES
ID17040220SK007_02	Camas Creek - Solider Creek to Elk Creek	12.15	MILES
ID17040220SK008_02	Deer Creek - Big Deer Creek to mouth	13.51	MILES
ID17040220SK008_03	Deer Creek - Big Deer Creek to mouth	11.78	MILES
ID17040220SK008_04	Deer Creek - Big Deer Creek to mouth	0.38	MILES
ID17040220SK009_02	Deer Creek - source to and including Big Deer Creek	13.79	MILES
ID17040220SK010_02	Powell Creek - source to mouth	16.77	MILES
ID17040220SK013_02	Camas Creek - Corral Creek to Soldier Creek	36.96	MILES
ID17040220SK013_03	Camas Creek - Corral Creek to Soldier Creek	11.43	MILES
ID17040220SK014_02	Threemile Creek - source to mouth	21.75	MILES

2012 Integrated Report: Category 3: Unassessed Waters

ID17040220SK016_03	East Fork Corral Creek - source to mouth	1.9	MILES
ID17040220SK018_02L	Unnamed Diversion to Camas Creek	7.79	ACRES
ID17040220SK019_03	Chimney Creek - source to mouth	2.54	MILES
ID17040220SK019_04	Chimney Creek - source to mouth	7.6	MILES
ID17040220SK020_03	Negro Creek - 3rd order	0.43	MILES
ID17040220SK023_02	Unnamed Tributaries near Mormon Reservoir	7.74	MILES
ID17040220SK023_03	Unnamed Tributaries to Mormon Reservoir	0.44	MILES
ID17040220SK026_02	Spring Creek Complex	17.82	MILES
ID17040220SK026_02L	Spring Creek Reservoir	110.74	ACRES
ID17040220SK026_03	Spring Creek Complex	6.4	MILES
ID17040220SK027_02	Kelly Reservoir - 1st and 2nd order tribs.	3.12	MILES
ID17040220SK027L_0L	Kelly Reservoir	95.92	ACRES

17040221

Little Wood

ID17040221SK000_02	Unclassified Waters	185.67	MILES
ID17040221SK000_03	Unclassified Waters	39.18	MILES
ID17040221SK000_03L	Mud Lake	19.75	ACRES
ID17040221SK001_02	Little Wood River - Richfield (T04S, R19E, Sec. 25) to mouth	26.51	MILES
ID17040221SK002_02	Little Wood River	1.28	MILES
ID17040221SK004_04	Carey Lake outlet	1.07	MILES
ID17040221SK005_02	Unnamed Tributary to Carey Lake	1.35	MILES
ID17040221SK005L_0L	Carey Lake	200.6	ACRES
ID17040221SK006_02	Fish Creek - Fish Creek Reservoir Dam to mouth	44.92	MILES
ID17040221SK006_02L	Huff Lake	35.15	ACRES
ID17040221SK007_02	Unnamed Tributaries to Fish Creek Reservoir	2.83	MILES
ID17040221SK009_02	West Fork Fish Creek - source to Fish Creek Reservoir	27.06	MILES
ID17040221SK010_02	Little Wood River - Little Wood River Reservoir Dam to Carey	39.45	MILES
ID17040221SK010_05a	Little Wood River	9.77	MILES
ID17040221SK011_02	Little Fish Creek - source to mouth	26.06	MILES
ID17040221SK011_02L	Howard Reservoir	24.88	ACRES
ID17040221SK011_03	Little Fish Creek - source to mouth	5.38	MILES
ID17040221SK011_03L	Cameron Reservoir (Little Fisher Creek)	28.73	ACRES
ID17040221SK012_02	01 & 02 tribs to Little Wood River Reservoir	16.61	MILES
ID17040221SK013_02	Little Wood River-Muldoon Cr. to Little Wood River Reservoir	24.12	MILES
ID17040221SK013_02L	Campbell Reservoir	108.91	ACRES

2012 Integrated Report: Category 3: Unassessed Waters

ID17040221SK014_02L	Muldon Creek Lake	2.17	ACRES
ID17040221SK015_02	South Fork Muldoon Creek - Friedman Creek to mouth	9.82	MILES
ID17040221SK015_03	South Fork Muldoon Creek - Friedman Creek to mouth	8.03	MILES
ID17040221SK015_04	South Fork Muldoon Creek - Friedman Creek to mouth	3.17	MILES
ID17040221SK016_02	South Fork Muldoon Creek - source to Friedman Creek	21.83	MILES
ID17040221SK016_03	South Fork Muldoon Creek - source to Friedman Creek	2.7	MILES
ID17040221SK017_02	Friedman Creek - Trail Creek to mouth	4.65	MILES
ID17040221SK021_03	Baugh Creek - source to mouth	3.81	MILES

Appendix G. Category 4a—total maximum daily load completed and approved.

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2012 Integrated Report: Category 4a: EPA Approved TMDLs

2012 Integrated Report: Category 4a: Impaired Waters with EPA Approved TMDLs

Bear River

16010102	Central Bear	TMDL Approval Date
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BEAR RIVER/MALAD RIVER SUBBASIN ASSESSMENT AND TMDL PLAN	Jun 29, 2006
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ID16010102BR001_05	Bear River - Idaho/Wyoming border to railroad bridge	30.88	MILES
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Phosphorus (Total)

Total Suspended Solids (TSS)

ID16010102BR003_04	Thomas Fork - Idaho/Wyoming border to mouth	30.1	MILES
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Nitrogen (Total)

Phosphorus (Total)

Total Suspended Solids (TSS)

ID16010102BR008_02	Sheep Creek - source to mouth	22.44	MILES
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Phosphorus (Total)

Total Suspended Solids (TSS)

ID16010102BR008_03	Sheep Creek - source to mouth	2.64	MILES
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Phosphorus (Total)

Sedimentation/Siltation Refer to Bear River/Malad River Subbasin Assessment and TMDL Plan (March 2006).

16010201	Bear Lake	TMDL Approval Date
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BEAR RIVER/MALAD RIVER SUBBASIN ASSESSMENT AND TMDL PLAN	Jun 29, 2006
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ID16010201BR001_0L	Alexander Reservoir (Bear River)	1031.87	ACRES
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Phosphorus (Total)

Total Suspended Solids (TSS)

ID16010201BR002_02a	Sulpher Canyon - Headwaters (middle and S.Sulpher) to mouth	12.24	MILES
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Phosphorus (Total)

Total Suspended Solids (TSS)

ID16010201BR002_02c	lower Skinner Creek - above Nounan Rd Crossing to Bear River	4.39	MILES
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Phosphorus (Total)

Sedimentation/Siltation

ID16010201BR002_05	Bear River-railroad bridge (T14N, R45E, Sec. 21) to Ovid Cr.	55.45	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010201BR002_06	Bear River - Ovid Cr confluence to Alexander Reservoir	44.34	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010201BR003_02	lower Bailey Creek - FS boundary to mouth	3.05	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010201BR003_02a	Upper Bailey Creek - HW to FS boundary	4.7	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010201BR004_02	Eightmile Creek - headwaters to N. Wilson Creek	31.13	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010201BR004_02a	South Wilson Creek	4.69	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010201BR004_03	Eightmile Creek - 1 mile below FS boundary to mouth	4.42	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010201BR004_03a	Eightmile Creek - N Wilson Cr to 1 mi below FS boundary	1.75	MILES
Phosphorus (Total)			
Sedimentation/Siltation			
ID16010201BR005_02	lower Pearl Creek	0.52	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010201BR005_02a	middle Pearl Creek	3.41	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010201BR006_02c	N and S Stauffer Cr and Stauffer Cr to Beaver Cr	7.32	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			

ID16010201BR006_02d	Stauffer Creek - Beaver Cr to Spring Cr	5.25	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010201BR006_03	Lower Stauffer Creek - Spring Creek to Bear River	4.14	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010201BR007_02	Skinner Creek - unnamed tribs of Skinner Creek	8.83	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010201BR007_02a	North and South Fork Skinner Creek	6.59	MILES
Phosphorus (Total)			
Sedimentation/Siltation			
ID16010201BR009_04	Ovid Creek - confluence of North and Mill Creek to mouth	16.04	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010201BR022_02a	Right Hand Fork Georgetown Creek	5.43	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010201BR022_02b	Upper Georgetown Creek - headwaters to left hand fork	10.86	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010201BR022_03a	Lower Georgetown Creek - left hand fork to mouth	3.91	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010201BR023_02a	Soda Creek - Soda Cr Reservoir to Soda Springs	2.72	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010201BR023_02b	lower Soda Creek - Soda Springs to Alexander Reservoir	1.01	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010201BR024_02	Soda Creek Reservoir	203.44	ACRES
Phosphorus (Total)			
Total Suspended Solids (TSS)			

ID16010201BR025_02	Soda Creek - source to Soda Creek Reservoir	16.09	MILES
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Phosphorus (Total)

Total Suspended Solids (TSS)

16010202	Middle Bear	TMDL Approval Date
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BEAR RIVER/MALAD RIVER SUBBASIN ASSESSMENT AND TMDL PLAN	Jun 29, 2006
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ID16010202BR002_04	Cub River - Maple Creek to Border	3.94	MILES
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Phosphorus (Total)

Total Suspended Solids (TSS)

ID16010202BR003_02	Cub River - Sugar Creek to US Hwy 91 Bridge	12.71	MILES
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Escherichia coli

Phosphorus (Total)

Total Suspended Solids (TSS)

ID16010202BR003_02a	Maple Creek - Left Fk Maple Creek to Cub River	8.33	MILES
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Escherichia coli

ID16010202BR003_03	Cub River - Sugar Creek to Maple Creek	5.28	MILES
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Phosphorus (Total)

Total Suspended Solids (TSS)

ID16010202BR003_03a	Maple Creek	3.81	MILES
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Escherichia coli

ID16010202BR005_02	Worm Creek - unnamed tributaries	21.4	MILES
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Phosphorus (Total)

Total Suspended Solids (TSS)

ID16010202BR005_02b	Worm Creek (lower) - Glendale Reservoir to Border	12.87	MILES
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Phosphorus (Total)

Sedimentation/Siltation

ID16010202BR006_02	Bear River-Oneida Narrows Reservoir Dam to Idaho/Utah border	49.36	MILES
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Phosphorus (Total) Replaces Cause Unknown as a pollutant.

Total Suspended Solids (TSS) Replaces Cause Unknown as a pollutant.

ID16010202BR006_02a	Deep Creek	10.24	MILES
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Phosphorus (Total)

Sedimentation/Siltation

ID16010202BR006_06	Bear River-Oneida Narrows Reservoir Dam to Idaho/Utah border	36.08	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010202BR007_02	Mink and Strawberry Creek - 2nd order tributaries	40.8	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010202BR007_03	Mink Creek - source to mouth	8.02	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010202BR008_0L	Oneida Narrows Reservoir	420.78	ACRES
Phosphorus (Total)			
TMDLs were written for the mainstem Bear River and tributaries entering the reservoir, not for the reservoir itself. Refer to the Bear River/Malad River SBA and TMDL document and approval letter.			
Total Suspended Solids (TSS)			
ID16010202BR009_02	Unnamed Tributaries	98.42	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010202BR009_02a	Smith Creek - HW to mouth	9.09	MILES
Phosphorus (Total)			
Replaces Cause Unknown as a pollutant.			
Total Suspended Solids (TSS)			
Replaces Cause Unknown as a pollutant.			
ID16010202BR009_02b	Alder Creek - headwaters to mouth	17.72	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010202BR009_02c	Burton Creek - headwaters to mouth	13.83	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010202BR009_06	Bear River - Alexander Reservoir Dam to Densmore Creek	15.56	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010202BR009_06a	Bear River - Denismore Cr to above Oneida Reservoir	21.54	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010202BR010_02	Williams Creek - source to mouth	20.51	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			

ID16010202BR010_02a	Williams Creek - FS boundary to Bear River	4.03	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010202BR011_02	Trout Creek - source to mouth	47.02	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010202BR011_03	Trout Creek - source to mouth	3.95	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010202BR012_02	Whiskey Creek - source to mouth	4.73	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010202BR013_02	Densmore Creek - source to mouth	22.86	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010202BR014_04	Cottonwood Creek - lower Cottonwood Creek (4th order)	14.01	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010202BR015_02	Battle Creek - upper Battle Creek and unnamed tributaries	67.79	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010202BR015_03	Battle Creek - source to mouth	3.03	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010202BR015_04	Battle Creek - source to mouth	14.2	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010202BR019_02	Fivemile Creek - source to Dayton	9.5	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010202BR019_02a	Fivemile Creek - Dayton to mouth	5.71	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			

ID16010202BR020_02	Weston Creek - unnamed tributaries	27.78	MILES
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Phosphorus (Total)

Total Suspended Solids (TSS)

ID16010202BR020_02a	Black Canyon	15.16	MILES
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Phosphorus (Total)

Total Suspended Solids (TSS)

ID16010202BR020_02c	upper Weston Creek - FS boundary to reservoir	12.19	MILES
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Phosphorus (Total)

Total Suspended Solids (TSS)

ID16010202BR020_02d	Weston Cr - HW to FS boundary and Trail Hollow	10.76	MILES
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Phosphorus (Total)

Total Suspended Solids (TSS)

ID16010202BR020_03	Weston Creek - Dry Canyon to above Weston City	8.3	MILES
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Phosphorus (Total)

Total Suspended Solids (TSS)

ID16010202BR020_04	Weston Creek - above Weston City to Bear River	4.7	MILES
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Phosphorus (Total)

Total Suspended Solids (TSS)

16010204	Lower Bear-Malad	TMDL Approval Date
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BEAR RIVER/MALAD RIVER SUBBASIN ASSESSMENT AND TMDL PLAN	Jun 29, 2006
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ID16010204BR001_04	Malad River - Little Malad River to Idaho/Utah border	21.48	MILES
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Phosphorus (Total)

Total Suspended Solids (TSS)

ID16010204BR002_02	Devil Creek - Devil Creek Reservoir Dam to mouth	10.17	MILES
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Phosphorus (Total)

Total Suspended Solids (TSS)

ID16010204BR002_02a	Campbell Creek	2.87	MILES
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Phosphorus (Total)

Total Suspended Solids (TSS)

ID16010204BR002_02c	Evans Creek	2.64	MILES
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Phosphorus (Total)

Total Suspended Solids (TSS)

ID16010204BR002_03	Devil Creek - Devil Creek Reservoir Dam to mouth	24.64	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010204BR005_03	Deep Creek - Deep Creek Reservoir Dam to mouth	10.03	MILES
Phosphorus (Total) Replaces unknown as a pollutant.			
Total Suspended Solids (TSS) Replaces unknown as a pollutant.			
ID16010204BR006_02	Susan Hollow	4.04	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010204BR006_03	Deep Creek Reservoir	0.34	MILES
Phosphorus (Total) Replaces unknown as a pollutant.			
Total Suspended Solids (TSS) Replaces unknown as a pollutant.			
ID16010204BR007_02	Deep Creek - source to upper Deep Creek Reservoir	4.44	MILES
Phosphorus (Total) Replaces unknown as a pollutant.			
Total Suspended Solids (TSS) Replaces unknown as a pollutant.			
ID16010204BR007_03	Deep Creek - upper Deep Creek Reservoir to Deep Cr Reservoir	1.01	MILES
Phosphorus (Total) Replaces unknown as a pollutant.			
Total Suspended Solids (TSS) Replaces unknown as a pollutant.			
ID16010204BR008_02	Malad River - mouth and unnamed tributaries to N Fk Canyon	115.36	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010204BR008_02a	Elkhorn Creek - source to mouth	4.55	MILES
Phosphorus (Total) Replaces unknown as a pollutant.			
Total Suspended Solids (TSS)			
ID16010204BR008_03	Little Malad River - Daniels Reservoir Dam to mouth	4.05	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010204BR008_04	Little Malad River - Daniels Reservoir Dam to mouth	24.56	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID16010204BR009_02	Little Malad River - headwaters to Daniels Reservoir	35.14	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			

ID16010204BR010_02a	Indian Mill Creek	4.58	MILES
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Phosphorus (Total)

Total Suspended Solids (TSS)

ID16010204BR010_02b	Upper Wright Creek - headwaters to Indian Mill Canyon	8.87	MILES
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Phosphorus (Total)

Total Suspended Solids (TSS)

ID16010204BR010_03	middle Wright Creek - Indian Mill Canyon to Dairy Creek	2.72	MILES
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Phosphorus (Total)

Total Suspended Solids (TSS)

ID16010204BR010_04	Wright Creek - Dairy Creek to Daniels Reservoir	4.14	MILES
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Phosphorus (Total)

Total Suspended Solids (TSS)

ID16010204BR012_02	Malad River - source to Little Malad River	47.32	MILES
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Phosphorus (Total)

Total Suspended Solids (TSS)

Clearwater

17060108	Palouse	TMDL Approval Date
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COW CREEK SUBBASIN TMDL	Feb 13, 2006
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ID17060108CL001_02	Cow Creek - source to Idaho/Washington border	84.65	MILES
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Nutrient/Eutrophication Biological Indicators

ID17060108CL001_03	Cow Creek - source to Idaho/Washington border	10.7	MILES
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Nutrient/Eutrophication Biological Indicators

PALOUSE RIVER (SOUTH FORK) TMDL	Oct 01, 2007
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ID17060108CL002_03	South Fork Palouse River-Gnat Cr. to Idaho/Washington border	8.24	MILES
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Escherichia coli

Nutrient/Eutrophication Biological Indicators

Sedimentation/Siltation

Temperature, water

ID17060108CL003_02	South Fork Palouse River - source to Gnat Creek; tribs	14.51	MILES
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Escherichia coli

Nutrient/Eutrophication Biological Indicators

Sedimentation/Siltation

Temperature, water

ID17060108CL003_03	South Fork Palouse River - source to Gnat Creek	1.92	MILES
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Escherichia coli

Nutrient/Eutrophication Biological Indicators

Sedimentation/Siltation

Temperature, water

PALOUSE RIVER SUBBASIN TMDL

Mar 14, 2005

ID17060108CL011a_02	Flannigan Creek - source to T41N, R05W, Sec. 23	18.03	MILES
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Escherichia coli

Nutrient/Eutrophication Biological Indicators

Sedimentation/Siltation

Temperature, water

ID17060108CL011a_03	Flannigan Creek - source to T41N, R05W, Sec. 23	3.05	MILES
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Escherichia coli

Nutrient/Eutrophication Biological Indicators

Sedimentation/Siltation

Temperature, water

ID17060108CL011b_02	Flannigan Creek - T41N, R05W, Sec. 23 to mouth	2.93	MILES
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Escherichia coli

Nutrient/Eutrophication Biological Indicators

Sedimentation/Siltation

Temperature, water

ID17060108CL011b_03	Flannigan Creek - T41N, R05W, Sec. 23 to mouth	3.72	MILES
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Escherichia coli

Nutrient/Eutrophication Biological Indicators

Sedimentation/Siltation

Temperature, water

ID17060108CL012_03	Rock Creek-confluence of WF and EF Rock Cr to mouth	1.73	MILES
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Escherichia coli

Sedimentation/Siltation

ID17060108CL013a_02	West Fork Rock Creek - source to T41N, R04W, Sec. 30	5.68	MILES
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Escherichia coli

Sedimentation/Siltation

ID17060108CL013b_03	West Fork Rock Creek - T41N, R04W, Sec. 30 to mouth	1.4	MILES
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Escherichia coli

Sedimentation/Siltation

ID17060108CL014a_02	East Fork Rock Creek - source to T41N, R 04W, Sec. 29	2.22	MILES
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Escherichia coli

Sedimentation/Siltation

ID17060108CL014b_02	East Fork Rock Creek - T41N, R 04W, Sec. 29 to mouth	1.67	MILES
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Escherichia coli

Sedimentation/Siltation

ID17060108CL015a_02	Hatter Creek - source to T40N, R04W, Sec. 3	17.29	MILES
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Escherichia coli

Sedimentation/Siltation

Temperature, water

ID17060108CL015b_02	Hatter Creek - T40N, R04W, Sec. 3 to mouth	20.45	MILES
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Escherichia coli

Nutrient/Eutrophication Biological Indicators

Sedimentation/Siltation

Temperature, water

ID17060108CL015b_03	Hatter Creek - T40N, R04W, Sec. 3 to mouth	5.23	MILES
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Escherichia coli

Nutrient/Eutrophication Biological Indicators

Sedimentation/Siltation

Temperature, water

ID17060108CL027a_02	Big Creek - source to T42N, R03W, Sec. 08	5.23	MILES
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Temperature, water

ID17060108CL027b_02	Big Creek - T42N, R03W, Sec. 08 to mouth	15.49	MILES
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Temperature, water

ID17060108CL029_02	Gold Creek - T42N, R04W, Sec. 28 to mouth	1.45	MILES
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Escherichia coli

Sedimentation/Siltation

Temperature, water

ID17060108CL029_03	Gold Creek - T42N, R04W, Sec. 28 to mouth	1.79	MILES
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Escherichia coli

Sedimentation/Siltation

Temperature, water

ID17060108CL030_02	Gold Creek - source to T42N, R04W, Sec. 28	19.95	MILES
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Escherichia coli

Sedimentation/Siltation

Temperature, water

ID17060108CL031a_02	Crane Creek - source to T42N, 04W, Sec. 28	3.71	MILES
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Escherichia coli

Sedimentation/Siltation

Temperature, water

ID17060108CL031b_02	Crane Creek - T42N, 04W, Sec. 08 to mouth	6.56	MILES
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Escherichia coli

Sedimentation/Siltation

Temperature, water

ID17060108CL032a_02	Deep Creek - source to T42, R05, Sec. 02	23.76	MILES
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Escherichia coli

Sedimentation/Siltation

Temperature, water

ID17060108CL032a_03	Deep Creek - source to T42, R05, Sec. 02	0.63	MILES
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Escherichia coli

Sedimentation/Siltation

Temperature, water

ID17060108CL032b_02	Deep Creek - T42, R05, Sec. 02 to mouth	15.29	MILES
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Escherichia coli

Sedimentation/Siltation

Temperature, water

ID17060108CL032b_03	Deep Creek - T42, R05, Sec. 02 to mouth	6.19	MILES
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Escherichia coli

Sedimentation/Siltation

Temperature, water

PARADISE CREEK

Feb 12, 1998

ID17060108CL005_02	Paradise Creek - Urban boundary to Idaho/Washington border	6.62	MILES
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Ammonia (Un-ionized)

Escherichia coli

E. coli is listed as the impairment due to a change in DEQ's water quality standards from a criterion associated with fecal coliform to a more specific criterion for E. coli. Fecal coliform is not removed as a cause since it was the species of concern when this stream was initially listed. NED 04/23/10

Fecal Coliform

Nutrient/Eutrophication Biological Indicators

Sedimentation/Siltation

Temperature, water

ID17060108CL005_02a	Paradise Creek - forest habitat boundary to Urban boundary	16.87	MILES
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Ammonia (Un-ionized)

Escherichia coli

E. coli is listed as the impairment due to a change in DEQ's water quality standards from a criterion associated with fecal coliform to a more specific criterion for E. coli. Fecal coliform is not removed as a cause since it was the species of concern when this stream was initially listed. NED 04/23/10

Fecal Coliform

Nutrient/Eutrophication Biological Indicators

Sedimentation/Siltation

Temperature, water

ID17060108CL005_02b	Idlers Rest Creek - source to forest habitat boundary	5.49	MILES
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Ammonia (Un-ionized)

Nutrient/Eutrophication Biological Indicators

Sedimentation/Siltation

Temperature, water

17060305 South Fork Clearwater TMDL Approval Date

CLEARWATER RIVER (SOUTH FORK) TMDL

Jul 22, 2004

ID17060305CL001_02	South Fork Clearwater River - Butcher Creek to mouth	25.7	MILES
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Sedimentation/Siltation

Temperature, water

ID17060305CL001_05	South Fork Clearwater River - Butcher Creek to mouth	12.61	MILES
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Sedimentation/Siltation

Temperature, water

ID17060305CL010_02	Threemile Creek - source to unnamed tributary	47.67	MILES
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Escherichia coli

Nutrient/Eutrophication Biological Indicators

Oxygen, Dissolved

Sedimentation/Siltation

Temperature, water

ID17060305CL010_03	Threemile Creek - Unnamed tributary to mouth	2.18	MILES
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Escherichia coli

Nutrient/Eutrophication Biological Indicators

Oxygen, Dissolved

Sedimentation/Siltation

Temperature, water

ID17060305CL011_02	Butcher Creek - source to mouth	18.88	MILES
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Sedimentation/Siltation

Temperature, water

ID17060305CL012_02	South Fork Clearwater River - sidewall tributaries	46.75	MILES
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Sedimentation/Siltation

Temperature, water

ID17060305CL012_02a	Schwartz Creek	44.46	MILES
Sedimentation/Siltation			
Temperature, water			
ID17060305CL012_05	South Fork Clearwater River - Johns Creek to Butcher Creek	23.19	MILES
Sedimentation/Siltation			
Temperature, water			
ID17060305CL013_02	Mill Creek - source to mouth	36.23	MILES
Temperature, water			
ID17060305CL013_03	Mill Creek - 3rd order, from Merton Creek to mouth	8.45	MILES
Temperature, water			
ID17060305CL014_02	Johns Creek - tributaries	42.61	MILES
Temperature, water			
ID17060305CL014_04	Johns Creek - Gospel Creek to mouth	9.48	MILES
Temperature, water			
ID17060305CL015_03	Gospel Creek - source to mouth	1.96	MILES
Temperature, water			
ID17060305CL017_02	Johns Creek - Moores Creek to Gospel Creek	15.01	MILES
Temperature, water			
ID17060305CL017_03	Johns Creek - Moores Creek to Gospel Creek	3.84	MILES
Temperature, water			
ID17060305CL022_02	Huddleson Creek and tributaries	33.91	MILES
Sedimentation/Siltation			
Temperature, water			
ID17060305CL022_02a	Granite Creek	4.08	MILES
Sedimentation/Siltation			
Temperature, water			
ID17060305CL022_05	South Fork Clearwater River - Tenmile Creek to Johns Creek	11.79	MILES
Sedimentation/Siltation			
Temperature, water			
ID17060305CL023_02	Wing Creek - source to Little Wing Creek	9.58	MILES
Temperature, water			
ID17060305CL023_03	Wing Creek - Little Wing Creek to mouth	1.42	MILES
Temperature, water			

ID17060305CL024_02	Twentymile Creek - 1st and 2nd order mainstem & tributaries	24.75	MILES
Temperature, water			
ID17060305CL024_03	Twentymile Creek - unnamed tributary to mouth	3.16	MILES
Temperature, water			
ID17060305CL025_02	Tenmile Creek - Sixmile Creek to mouth	2.75	MILES
Temperature, water			
ID17060305CL025_04	Tenmile Creek - Sixmile Creek to mouth	3.67	MILES
Temperature, water			
ID17060305CL026_02	Tenmile Creek - Williams Creek to Sixmile Creek	12.51	MILES
Temperature, water			
ID17060305CL026_03	Tenmile Creek - 3rd order segment	2.45	MILES
Temperature, water			
ID17060305CL027_02	Tenmile Creek - source to Williams Creek	21.73	MILES
Temperature, water			
ID17060305CL028_02	Williams Creek - source to mouth	11.67	MILES
Temperature, water			
ID17060305CL029_02	Sixmile Creek - source to mouth	12.81	MILES
Temperature, water			
ID17060305CL029_03	Sixmile Creek - 3rd Order from Fourmile Cr to mouth	1.03	MILES
Temperature, water			
ID17060305CL030_02	South Fork Clearwater River - Crooked River to Tenmile Creek	28.39	MILES
Sedimentation/Siltation			
Temperature, water			
ID17060305CL030_05	South Fork Clearwater River - Crooked River to Tenmile Creek	11.79	MILES
Sedimentation/Siltation			
Temperature, water			
ID17060305CL031_02	Crooked River - Relief Creek to mouth	12.45	MILES
Temperature, water			
ID17060305CL031_03	Crooked River - 3rd order from Relief Creek to mouth	7.45	MILES
Temperature, water			
ID17060305CL032_02	Crooked River - confluence of West and East Fork Crooked R.	29.48	MILES
Temperature, water			
ID17060305CL032_03	Crooked River - WF and EF Crooked R. to Relief Creek	4.23	MILES
Temperature, water			

ID17060305CL033_02	West Fork Crooked River - source to mouth	13.51	MILES
Temperature, water			
ID17060305CL034_02	East Fork Crooked River - source to mouth	11.99	MILES
Temperature, water			
ID17060305CL035_02	Relief Creek - source to mouth	13.46	MILES
Temperature, water			
ID17060305CL036_02	South Fork Clearwater River - tributaries	2.49	MILES
Sedimentation/Siltation			
Temperature, water			
ID17060305CL036_05	South Fork Clearwater River - 5th order mainstem segment	3.97	MILES
Sedimentation/Siltation			
Temperature, water			
ID17060305CL037_02	Red River- Siegel Creek to mouth	17.12	MILES
Temperature, water			
ID17060305CL037_04	Red River- Siegel Creek to mouth	7.8	MILES
Temperature, water			
ID17060305CL038_02	Red River - South Fork Red River to Siegel Creek	27.11	MILES
Temperature, water			
ID17060305CL038_02a	Little Moose Creek - source to mouth	8.87	MILES
Temperature, water			
ID17060305CL038_04	Red River - South Fork Red River to Siegel Creek	7.62	MILES
Temperature, water			
ID17060305CL039_02	Moose Butte Creek - source to, and including Hays Cr.	12.52	MILES
Temperature, water			
ID17060305CL039_03	Moose Butte Creek - 3rd order segment	2.64	MILES
Temperature, water			
ID17060305CL040_02	South Fork Red River - Trapper Creek to mouth	3.38	MILES
Temperature, water			
ID17060305CL040_03	South Fork Red River - Trapper Creek to mouth	3.02	MILES
Temperature, water			
ID17060305CL041_02	South Fork Red River - West Fork Red River to Trapper Creek	4.11	MILES
Temperature, water			
ID17060305CL041_03	South Fork Red River - West Fork Red River to Trapper Creek	3.74	MILES
Temperature, water			

ID17060305CL042_02	West Fork Red River - source to mouth	14.15	MILES
Temperature, water			
ID17060305CL042_03	West Fork Red River - source to mouth	0.75	MILES
Temperature, water			
ID17060305CL043_02	South Fork Red River - source to West Fork Red River	7.91	MILES
Temperature, water			
ID17060305CL044_02	Trapper Creek - source to mouth	13.82	MILES
Temperature, water			
ID17060305CL045_02	Red River - source to South Fork Red River	32.51	MILES
Temperature, water			
ID17060305CL045_03	Red River - Unnamed tributary to South Fork Red River	10.89	MILES
Temperature, water			
ID17060305CL046_02	Soda Creek - source to mouth	7.95	MILES
Temperature, water			
ID17060305CL047_02	Bridge Creek - source to mouth	7.18	MILES
Temperature, water			
ID17060305CL048_02	Otterson Creek - source to mouth	6.17	MILES
Temperature, water			
ID17060305CL049_02	Trail Creek - source to mouth	9.37	MILES
Temperature, water			
ID17060305CL050_02	Siegel Creek - source to mouth	13.6	MILES
Temperature, water			
ID17060305CL051_02	Red Horse Creek - source to mouth	14.04	MILES
Temperature, water			
ID17060305CL052_02	American River - East Fork American River to mouth	10.61	MILES
Temperature, water			
ID17060305CL052_04	American River - 4th order, East Fork American River to mouth	9.46	MILES
Temperature, water			
ID17060305CL053_02	Kirks Fork - source to mouth	15.77	MILES
Temperature, water			
ID17060305CL053_03	Kirks Fork - 3rd order segment	1.3	MILES
Temperature, water			
ID17060305CL054_02	East Fork American River - source to mouth	30.96	MILES
Temperature, water			

ID17060305CL054_03	East Fork American River - source to mouth	2.13	MILES
Temperature, water			
ID17060305CL055_02	American River - source to East Fork American River	33.72	MILES
Temperature, water			
ID17060305CL055_03	American River - source to East Fork American River	5.62	MILES
Temperature, water			
ID17060305CL056_02	Elk Creek	2.04	MILES
Temperature, water			
ID17060305CL056_03	Elk Creek-confluence of Big Elk & Little Elk Creeks to mouth	2.35	MILES
Temperature, water			
ID17060305CL057_02	Little Elk Creek - source to mouth	12.68	MILES
Temperature, water			
ID17060305CL058_02	Big Elk Creek - source to WF Big Elk Creek	15.35	MILES
Temperature, water			
ID17060305CL058_03	Big Elk Creek - 3rd Order	4.35	MILES
Temperature, water			
ID17060305CL059_02	Buffalo Gulch - source to mouth	6.49	MILES
Temperature, water			
ID17060305CL060_02	Whiskey Creek - source to mouth	4.2	MILES
Temperature, water			
ID17060305CL061_02	Maurice Creek - source to mouth	2.64	MILES
Temperature, water			
ID17060305CL062_02	Newsome Creek - Beaver Creek to mouth	5.49	MILES
Temperature, water			
ID17060305CL062_04	Newsome Creek - Beaver Creek to mouth	6.92	MILES
Temperature, water			
ID17060305CL063_02	Bear Creek - source to mouth	8.01	MILES
Temperature, water			
ID17060305CL064_02	Nugget Creek - source to mouth	4.54	MILES
Temperature, water			
ID17060305CL065_02	Beaver Creek - source to mouth	6.67	MILES
Temperature, water			
ID17060305CL066_04	Newsome Creek - 4th order	2.26	MILES
Temperature, water			

ID17060305CL067_02	Mule Creek - source to mouth	13.22	MILES
Temperature, water			
ID17060305CL067_03	Mule Creek - 3rd Order	0.57	MILES
Temperature, water			
ID17060305CL068_02	Newsome Creek - source to Mule Creek	15.2	MILES
Temperature, water			
ID17060305CL068_03	Newsome Creek - source to Mule Creek	0.48	MILES
Temperature, water			
ID17060305CL069_02	Haysfork Creek - source to mouth	9.49	MILES
Temperature, water			
ID17060305CL070_02	Baldy Creek - source to mouth	8.02	MILES
Temperature, water			
ID17060305CL071_02	Pilot Creek - source to mouth	7.6	MILES
Temperature, water			
ID17060305CL071_03	Pilot Creek - 3rd Order	2.85	MILES
Temperature, water			
ID17060305CL072_02	Sawmill Creek - source to mouth	6.03	MILES
Temperature, water			
ID17060305CL073_02	Sing Lee Creek - source to mouth	4.51	MILES
Temperature, water			
ID17060305CL074_02	West Fork Newsome Creek - source to mouth	4.25	MILES
Temperature, water			
ID17060305CL074_02a	West Fork Newsome Creek	2.95	MILES
Temperature, water			
ID17060305CL075_02	Leggett Creek - source to mouth	11.85	MILES
Temperature, water			
ID17060305CL076_02	Fall Creek - source to mouth	7.77	MILES
Temperature, water			
ID17060305CL077_02	Silver Creek - 1st and 2nd order	9.63	MILES
Temperature, water			
ID17060305CL077_02a	Silver Creek - headwaters and tributaries	29.48	MILES
Temperature, water			
ID17060305CL077_03	Silver Creek - unnamed tributary to mouth	1.87	MILES
Temperature, water			

ID17060305CL078_02	Peasley Creek - source to mouth	22.26	MILES
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Temperature, water

ID17060305CL079_02	Cougar Creek - source to mouth	17.06	MILES
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Temperature, water

ID17060305CL080_02	Meadow Creek - source to and inc. NF Meadow Cr.	40.99	MILES
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Temperature, water

ID17060305CL080_03	Meadow Creek - NF Meadow Cr to mouth	6.74	MILES
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Temperature, water

ID17060305CL081_02	Sally Ann Creek - source to and inc. Wall Creek	17.73	MILES
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Temperature, water

ID17060305CL081_03	Sally Ann Creek - Wall Creek to mouth	0.6	MILES
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Temperature, water

ID17060305CL082_02	Rabbit Creek - source to mouth	11.17	MILES
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Temperature, water

CLEARWATER RIVER, SOUTH FORK (NEZ PERCE RESERVATION LANDS) TMDI **Jul 22, 2004**

ID17060305CL001_02	South Fork Clearwater River - Butcher Creek to mouth	25.7	MILES
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Sedimentation/Siltation

Temperature, water

ID17060305CL001_05	South Fork Clearwater River - Butcher Creek to mouth	12.61	MILES
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Sedimentation/Siltation

Temperature, water

ID17060305CL010_02	Threemile Creek - source to unnamed tributary	47.67	MILES
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Escherichia coli

Nutrient/Eutrophication Biological Indicators

Oxygen, Dissolved

Sedimentation/Siltation

Temperature, water

ID17060305CL010_03	Threemile Creek - Unnamed tributary to mouth	2.18	MILES
Escherichia coli			
Nutrient/Eutrophication Biological Indicators			
Oxygen, Dissolved			
Sedimentation/Siltation			
Temperature, water			
ID17060305CL011_02	Butcher Creek - source to mouth	18.88	MILES
Sedimentation/Siltation			
Temperature, water			
ID17060305CL012_05	South Fork Clearwater River - Johns Creek to Butcher Creek	23.19	MILES
Sedimentation/Siltation			
Temperature, water			
ID17060305CL013_02	Mill Creek - source to mouth	36.23	MILES
Temperature, water			
ID17060305CL013_03	Mill Creek - 3rd order, from Merton Creek to mouth	8.45	MILES
Temperature, water			
ID17060305CL014_02	Johns Creek - tributaries	42.61	MILES
Temperature, water			
ID17060305CL014_04	Johns Creek - Gospel Creek to mouth	9.48	MILES
Temperature, water			
ID17060305CL015_03	Gospel Creek - source to mouth	1.96	MILES
Temperature, water			
ID17060305CL017_02	Johns Creek - Moores Creek to Gospel Creek	15.01	MILES
Temperature, water			
ID17060305CL017_03	Johns Creek - Moores Creek to Gospel Creek	3.84	MILES
Temperature, water			
ID17060305CL022_02	Huddleson Creek and tributaries	33.91	MILES
Sedimentation/Siltation			
Temperature, water			
ID17060305CL022_02a	Granite Creek	4.08	MILES
Sedimentation/Siltation			
Temperature, water			

ID17060305CL022_05	South Fork Clearwater River - Tenmile Creek to Johns Creek	11.79	MILES
Sedimentation/Siltation			
Temperature, water			
ID17060305CL023_02	Wing Creek - source to Little Wing Creek	9.58	MILES
Temperature, water			
ID17060305CL023_03	Wing Creek - Little Wing Creek to mouth	1.42	MILES
Temperature, water			
ID17060305CL024_02	Twentymile Creek - 1st and 2nd order mainstem & tributaries	24.75	MILES
Temperature, water			
ID17060305CL024_03	Twentymile Creek - unnamed tributary to mouth	3.16	MILES
Temperature, water			
ID17060305CL025_02	Tenmile Creek - Sixmile Creek to mouth	2.75	MILES
Temperature, water			
ID17060305CL025_04	Tenmile Creek - Sixmile Creek to mouth	3.67	MILES
Temperature, water			
ID17060305CL026_02	Tenmile Creek - Williams Creek to Sixmile Creek	12.51	MILES
Temperature, water			
ID17060305CL026_03	Tenmile Creek - 3rd order segment	2.45	MILES
Temperature, water			
ID17060305CL027_02	Tenmile Creek - source to Williams Creek	21.73	MILES
Temperature, water			
ID17060305CL028_02	Williams Creek - source to mouth	11.67	MILES
Temperature, water			
ID17060305CL029_02	Sixmile Creek - source to mouth	12.81	MILES
Temperature, water			
ID17060305CL029_03	Sixmile Creek - 3rd Order from Fourmile Cr to mouth	1.03	MILES
Temperature, water			
ID17060305CL030_02	South Fork Clearwater River - Crooked River to Tenmile Creek	28.39	MILES
Sedimentation/Siltation			
Temperature, water			
ID17060305CL030_05	South Fork Clearwater River - Crooked River to Tenmile Creek	11.79	MILES
Sedimentation/Siltation			
Temperature, water			

ID17060305CL031_02	Crooked River - Relief Creek to mouth	12.45	MILES
Temperature, water			
ID17060305CL031_03	Crooked River - 3rd order from Relief Creek to mouth	7.45	MILES
Temperature, water			
ID17060305CL032_02	Crooked River - confluence of West and East Fork Crooked R.	29.48	MILES
Temperature, water			
ID17060305CL032_03	Crooked River - WF and EF Crooked R. to Relief Creek	4.23	MILES
Temperature, water			
ID17060305CL033_02	West Fork Crooked River - source to mouth	13.51	MILES
Temperature, water			
ID17060305CL034_02	East Fork Crooked River - source to mouth	11.99	MILES
Temperature, water			
ID17060305CL035_02	Relief Creek - source to mouth	13.46	MILES
Temperature, water			
ID17060305CL036_02	South Fork Clearwater River - tributaries	2.49	MILES
Sedimentation/Siltation			
Temperature, water			
ID17060305CL036_05	South Fork Clearwater River - 5th order mainstem segment	3.97	MILES
Sedimentation/Siltation			
Temperature, water			
ID17060305CL037_02	Red River- Siegel Creek to mouth	17.12	MILES
Temperature, water			
ID17060305CL037_04	Red River- Siegel Creek to mouth	7.8	MILES
Temperature, water			
ID17060305CL038_02	Red River - South Fork Red River to Siegel Creek	27.11	MILES
Temperature, water			
ID17060305CL038_02a	Little Moose Creek - source to mouth	8.87	MILES
Temperature, water			
ID17060305CL039_02	Moose Butte Creek - source to, and including Hays Cr.	12.52	MILES
Temperature, water			
ID17060305CL039_03	Moose Butte Creek - 3rd order segment	2.64	MILES
Temperature, water			
ID17060305CL040_02	South Fork Red River - Trapper Creek to mouth	3.38	MILES
Temperature, water			

ID17060305CL040_03	South Fork Red River - Trapper Creek to mouth	3.02	MILES
Temperature, water			
ID17060305CL041_02	South Fork Red River - West Fork Red River to Trapper Creek	4.11	MILES
Temperature, water			
ID17060305CL041_03	South Fork Red River - West Fork Red River to Trapper Creek	3.74	MILES
Temperature, water			
ID17060305CL042_02	West Fork Red River - source to mouth	14.15	MILES
Temperature, water			
ID17060305CL042_03	West Fork Red River - source to mouth	0.75	MILES
Temperature, water			
ID17060305CL043_02	South Fork Red River - source to West Fork Red River	7.91	MILES
Temperature, water			
ID17060305CL044_02	Trapper Creek - source to mouth	13.82	MILES
Temperature, water			
ID17060305CL045_02	Red River - source to South Fork Red River	32.51	MILES
Temperature, water			
ID17060305CL045_03	Red River - Unnamed tributary to South Fork Red River	10.89	MILES
Temperature, water			
ID17060305CL046_02	Soda Creek - source to mouth	7.95	MILES
Temperature, water			
ID17060305CL047_02	Bridge Creek - source to mouth	7.18	MILES
Temperature, water			
ID17060305CL048_02	Otterson Creek - source to mouth	6.17	MILES
Temperature, water			
ID17060305CL049_02	Trail Creek - source to mouth	9.37	MILES
Temperature, water			
ID17060305CL050_02	Siegel Creek - source to mouth	13.6	MILES
Temperature, water			
ID17060305CL051_02	Red Horse Creek - source to mouth	14.04	MILES
Temperature, water			
ID17060305CL052_02	American River - East Fork American River to mouth	10.61	MILES
Temperature, water			
ID17060305CL052_04	American River - 4th order,East Fork American River to mouth	9.46	MILES
Temperature, water			

ID17060305CL053_02	Kirks Fork - source to mouth	15.77	MILES
Temperature, water			
ID17060305CL053_03	Kirks Fork - 3rd order segment	1.3	MILES
Temperature, water			
ID17060305CL054_02	East Fork American River - source to mouth	30.96	MILES
Temperature, water			
ID17060305CL054_03	East Fork American River - source to mouth	2.13	MILES
Temperature, water			
ID17060305CL055_02	American River - source to East Fork American River	33.72	MILES
Temperature, water			
ID17060305CL056_02	Elk Creek	2.04	MILES
Temperature, water			
ID17060305CL056_03	Elk Creek-confluence of Big Elk & Little Elk Creeks to mouth	2.35	MILES
Temperature, water			
ID17060305CL057_02	Little Elk Creek - source to mouth	12.68	MILES
Temperature, water			
ID17060305CL058_02	Big Elk Creek - source to WF Big Elk Creek	15.35	MILES
Temperature, water			
ID17060305CL058_03	Big Elk Creek - 3rd Order	4.35	MILES
Temperature, water			
ID17060305CL059_02	Buffalo Gulch - source to mouth	6.49	MILES
Temperature, water			
ID17060305CL060_02	Whiskey Creek - source to mouth	4.2	MILES
Temperature, water			
ID17060305CL061_02	Maurice Creek - source to mouth	2.64	MILES
Temperature, water			
ID17060305CL062_02	Newsome Creek - Beaver Creek to mouth	5.49	MILES
Temperature, water			
ID17060305CL062_04	Newsome Creek - Beaver Creek to mouth	6.92	MILES
Temperature, water			
ID17060305CL064_02	Nugget Creek - source to mouth	4.54	MILES
Temperature, water			
ID17060305CL065_02	Beaver Creek - source to mouth	6.67	MILES
Temperature, water			

ID17060305CL066_04	Newsome Creek - 4th order	2.26	MILES
Temperature, water			
ID17060305CL067_02	Mule Creek - source to mouth	13.22	MILES
Temperature, water			
ID17060305CL067_03	Mule Creek - 3rd Order	0.57	MILES
Temperature, water			
ID17060305CL068_02	Newsome Creek - source to Mule Creek	15.2	MILES
Temperature, water			
ID17060305CL068_03	Newsome Creek - source to Mule Creek	0.48	MILES
Temperature, water			
ID17060305CL069_02	Haysfork Creek - source to mouth	9.49	MILES
Temperature, water			
ID17060305CL070_02	Baldy Creek - source to mouth	8.02	MILES
Temperature, water			
ID17060305CL071_02	Pilot Creek - source to mouth	7.6	MILES
Temperature, water			
ID17060305CL071_03	Pilot Creek - 3rd Order	2.85	MILES
Temperature, water			
ID17060305CL072_02	Sawmill Creek - source to mouth	6.03	MILES
Temperature, water			
ID17060305CL073_02	Sing Lee Creek - source to mouth	4.51	MILES
Temperature, water			
ID17060305CL074_02	West Fork Newsome Creek - source to mouth	4.25	MILES
Temperature, water			
ID17060305CL074_02a	West Fork Newsome Creek	2.95	MILES
Temperature, water			
ID17060305CL075_02	Leggett Creek - source to mouth	11.85	MILES
Temperature, water			
ID17060305CL076_02	Fall Creek - source to mouth	7.77	MILES
Temperature, water			
ID17060305CL077_02	Silver Creek - 1st and 2nd order	9.63	MILES
Temperature, water			
ID17060305CL077_02a	Silver Creek - headwaters and tributaries	29.48	MILES
Temperature, water			

ID17060305CL077_03	Silver Creek - unnamed tributary to mouth	1.87	MILES
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Temperature, water

ID17060305CL079_02	Cougar Creek - source to mouth	17.06	MILES
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Temperature, water

ID17060305CL080_02	Meadow Creek - source to and inc. NF Meadow Cr.	40.99	MILES
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Temperature, water

ID17060305CL081_02	Sally Ann Creek - source to and inc. Wall Creek	17.73	MILES
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Temperature, water

ID17060305CL081_03	Sally Ann Creek - Wall Creek to mouth	0.6	MILES
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Temperature, water

ID17060305CL082_02	Rabbit Creek - source to mouth	11.17	MILES
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Temperature, water

COTTONWOOD CREEK

Jun 06, 2000

ID17060305CL002_02	Cottonwood Creek -Cottonwood Creek waterfall (9.0 miles ups)	24.31	MILES
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Ammonia (Un-ionized)

Fecal Coliform

Nutrient/Eutrophication Biological Indicators

Oxygen, Dissolved

Sedimentation/Siltation

Temperature, water

ID17060305CL002_04	Cottonwood Creek - 4th order; waterfall to mouth	9.13	MILES
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Ammonia (Un-ionized)

Fecal Coliform

Nutrient/Eutrophication Biological Indicators

Oxygen, Dissolved

Sedimentation/Siltation

Temperature, water

ID17060305CL003_02	Cottonwood Creek - source to Cottonwood Creek waterfall	39.24	MILES
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Ammonia (Un-ionized)

Fecal Coliform

Nutrient/Eutrophication Biological Indicators

Oxygen, Dissolved

Sedimentation/Siltation

Temperature, water

ID17060305CL003_03	Cottonwood Creek - source to Cottonwood Creek waterfall	0.4	MILES
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Ammonia (Un-ionized)

Fecal Coliform

Nutrient/Eutrophication Biological Indicators

Oxygen, Dissolved

Sedimentation/Siltation

Temperature, water

ID17060305CL003_04	Cottonwood Creek - source to Cottonwood Creek waterfall	7.54	MILES
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Ammonia (Un-ionized)

Fecal Coliform

Nutrient/Eutrophication Biological Indicators

Oxygen, Dissolved

Sedimentation/Siltation

Temperature, water

ID17060305CL004_02	Red Rock Creek - Red Rock Creek waterfall to mouth	2.14	MILES
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Fecal Coliform

Nutrient/Eutrophication Biological Indicators

Oxygen, Dissolved

Sedimentation/Siltation

Temperature, water

ID17060305CL004_03	Red Rock Creek - Red Rock Creek waterfall to mouth	3.33	MILES
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Fecal Coliform

Nutrient/Eutrophication Biological Indicators

Oxygen, Dissolved

Sedimentation/Siltation

Temperature, water

ID17060305CL005_02	Red Rock Creek - source to Red Rock Creek waterfall	49.92	MILES
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Fecal Coliform

Nutrient/Eutrophication Biological Indicators

Oxygen, Dissolved

Sedimentation/Siltation

Temperature, water

ID17060305CL005_03	Red Rock Creek - source to Red Rock Creek waterfall	3.49	MILES
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Fecal Coliform

Nutrient/Eutrophication Biological Indicators

Oxygen, Dissolved

Sedimentation/Siltation

Temperature, water

ID17060305CL006_02	Stockney Creek - source to mouth	45.33	MILES
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Fecal Coliform

Nutrient/Eutrophication Biological Indicators

Oxygen, Dissolved

Sedimentation/Siltation

Temperature, water

ID17060305CL006_03	Stockney Creek - source to mouth	7.49	MILES
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Fecal Coliform

Nutrient/Eutrophication Biological Indicators

Oxygen, Dissolved Added 3/27/2006

Sedimentation/Siltation

Temperature, water

ID17060305CL007_02	Shebang Creek - source to mouth	34.34	MILES
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Fecal Coliform

Nutrient/Eutrophication Biological Indicators

Oxygen, Dissolved

Sedimentation/Siltation

Temperature, water

ID17060305CL007_03	Shebang Creek - source to mouth	7.72	MILES
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Fecal Coliform

Nutrient/Eutrophication Biological Indicators

Oxygen, Dissolved

Sedimentation/Siltation

Temperature, water

ID17060305CL008_02	South Fork Cottonwood Creek - source to mouth	25	MILES
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Fecal Coliform

Nutrient/Eutrophication Biological Indicators

Oxygen, Dissolved

Sedimentation/Siltation

Temperature, water

ID17060305CL008_03	South Fork Cottonwood Creek - 3rd order segment	5.02	MILES
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Fecal Coliform

Nutrient/Eutrophication Biological Indicators

Oxygen, Dissolved

Sedimentation/Siltation

Temperature, water

ID17060305CL009_02	Long Haul Creek - source to mouth	14.99	MILES
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Fecal Coliform

Nutrient/Eutrophication Biological Indicators

Oxygen, Dissolved

Sedimentation/Siltation

Temperature, water

17060306

Clearwater

TMDL Approval Date

HATWAI CREEK SUBBASIN ASSESSMENT AND TMDLS**Dec 28, 2010**

ID17060306CL067_02	Hatwai Creek - 1st and 2nd Order tributaries	42.51	MILES
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Escherichia coli

Nitrogen, Nitrate

Phosphorus (Total)

Temperature, water

ID17060306CL067_03	Hatwai Creek - 3rd Order	4.04	MILES
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Escherichia coli

6/2012 (CB) - This AU is included in the Hatwai Creek Subbasin Assessment and TMDL, approved by EPA Dec. 28, 2010. E. coli bacteria were found to be above the concentration allowed by the Idaho Water Quality Standards based on a geometric mean calculated from a monitoring station near the mouth of Hatwai Creek. The TMDL determined the criterion of 126 cfu/100 ml and E. coli load reductions generated at the monitoring station apply to the 2nd and 3rd order AUs. Load capacity and load allocations for E. coli bacteria and geometric mean sampling events data located in Tables 9, 10, page 35. Data located in Table B-2, page 98.

Nitrogen, Nitrate

6/2012 (CB) - This AU was included in the Hatwai Creek Subbasin Assessment and TMDL, approved by EPA December 28, 2010. During development of the SBA and TMDL, the analysis found nutrient concentrations, both in the forms of total phosphorus and nitrogen, were elevated significantly in relation to recommended levels. Based on this analyses, TMDLs were developed for this Hatwai Creek AU based on the available in-stream monitoring data for total phosphorus and nitrite plus nitrate-nitrogen. Existing pollutant loads, wasteload allocations, and data are found in the Hatwai Creek Subbasin Assessment and TMDLs (Lower Clearwater HUC 17060306), September 2010; pages 24-27; 36-42. Hatwai Creek Monitoring Data, Table B-1, page 97.

Phosphorus (Total)

6/2012 (CB) - This AU was included in the Hatwai Creek Subbasin Assessment and TMDL, approved by EPA December 28, 2010. During development of the SBA and TMDL, the analysis found nutrient concentrations, both in the forms of total phosphorus and nitrogen, were elevated significantly in relation to recommended levels. Based on this analyses, TMDLs were developed for this Hatwai Creek AU based on the available in-stream monitoring data for total phosphorus and nitrite plus nitrate-nitrogen. Existing pollutant loads, wasteload allocations, and data are found in the Hatwai Creek Subbasin Assessment and TMDLs (Lower Clearwater HUC 17060306), September 2010; pages 24-27; 36-42. Hatwai Creek Monitoring Data, Table B-1, page 97.

Temperature, water

6/2012 (CB) - This assessment unit is included in the Hatwai Creek Subbasin Assessment and TMDLs, approved by EPA, December 28, 2010. A potential natural vegetation (PNV) temperature TMDL that calls for more riparian shade in Hatwai Creek has been developed. Existing and Potential Solar Loads for Hatwai Creek, Pages 56-57. Percent Target Shade for Stream Segments in Hatwai Creek, Regional Shade Curves, Figures 8-10, pages 53-55. Instantaneous temperature data, Table B-1, page 97.

JIM FORD CREEK**Jun 06, 2000**

ID17060306CL034_04	Jim Ford Creek - waterfall (12.5 miles upstream) to mouth	12.19	MILES
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Fecal Coliform

Nutrient/Eutrophication Biological Indicators

Sedimentation/Siltation

Temperature, water

ID17060306CL035_02	Heywood, Wilson Creeks and tributaries	48.63	MILES
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Fecal Coliform

Nutrient/Eutrophication Biological Indicators

Sedimentation/Siltation

Temperature, water

ID17060306CL035_03	Jim Ford Creek - source to Jim Ford Cr waterfall (12.5 mi)	6.38	MILES
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Fecal Coliform

Nutrient/Eutrophication Biological Indicators

Sedimentation/Siltation

Temperature, water

ID17060306CL035_04	Jim Ford Creek - source to Jim Ford Creek waterfall	3.87	MILES
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Fecal Coliform

Nutrient/Eutrophication Biological Indicators

The nutrient and dissolved oxygen TMDLs were combined. An assumption was made that by meeting the instream nutrient target the dissolved oxygen water quality standard will be achieved as well.

Sedimentation/Siltation

Temperature, water

ID17060306CL036_02	Grasshopper Creek - source to mouth	19.58	MILES
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Fecal Coliform

Nutrient/Eutrophication Biological Indicators

Temperature, water

ID17060306CL036_03	Grasshopper Creek - source to mouth	4.3	MILES
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Fecal Coliform

Nutrient/Eutrophication Biological Indicators

Temperature, water

ID17060306CL037_03	Winter Creek - waterfall (3.4 miles upstream) to mouth	2.42	MILES
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Fecal Coliform

Nutrient/Eutrophication Biological Indicators

The nutrient and dissolved oxygen TMDLs were combined. An assumption was made that by meeting the instream nutrient target the dissolved oxygen water quality standard will be achieved as well.

Temperature, water

ID17060306CL038_02	Winter Creek - source to Winter Creek waterfall	6.77	MILES
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Fecal Coliform

Nutrient/Eutrophication Biological Indicators

Temperature, water

LINDSAY CREEK WATERSHED TMDL

Jun 26, 2007

ID17060306CL003_02	Lindsay Creek - source to mouth	23.35	MILES
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Escherichia coli

Nutrient/Eutrophication Biological Indicators

Sedimentation/Siltation

ID17060306CL003_03	Lindsay Creek - source to mouth	3.65	MILES
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Escherichia coli

Nutrient/Eutrophication Biological Indicators

Sedimentation/Siltation

LOLO CREEK TRIBUTARIES TEMPERATURE TMDLS

Dec 12, 2011

ID17060306CL029_02	Eldorado Creek - 1st and 2nd Order Tributaries	52.06	MILES
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Temperature, water

ID17060306CL031_02	Jim Brown Creek - 1st and 2nd Order Tributaries	44.64	MILES
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Temperature, water

ID17060306CL031_03	Jim Brown Creek - 3rd Order	5.52	MILES
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Temperature, water

ID17060306CL032_02	Musselshell Creek - 1st and 2nd order tributaries	30.83	MILES
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Temperature, water

ID17060306CL032_03	Musselshell Creek - 3rd Order	4.33	MILES
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Temperature, water

POTLATCH RIVER TMDLS

Feb 13, 2009

ID17060306CL044_06	Potlatch River - 6th Order	14.26	MILES
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Sedimentation/Siltation

Temperature, water

ID17060306CL045_05	Potlatch River - 5th Order	18.49	MILES
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Temperature, water

ID17060306CL046_04	Cedar Creek - 4th Order	5.17	MILES
Sedimentation/Siltation			
Temperature, water			
ID17060306CL047_03	Boulder Creek - 3rd Order	4.13	MILES
Escherichia coli			
Temperature, water			
ID17060306CL048_04	Potlatch River - 4th Order	6.67	MILES
Temperature, water			
ID17060306CL048_05	Potlatch River - 5th Order	7.7	MILES
Temperature, water			
ID17060306CL049_02	Potlatch River - headwaters	61.71	MILES
Escherichia coli			
Temperature, water			
ID17060306CL049_03	Potlatch River - 3rd Order	5.3	MILES
Escherichia coli			
Measured in-stream E. coli bacteria geometric mean concentrations for this assssment unit was 289 cfu/100 ml. page 37, CB 1/10.			
Temperature, water			
ID17060306CL049_04	Potlatch River - 4th Order	3.71	MILES
Escherichia coli			
Temperature, water			
ID17060306CL051_04	East Fork Potlatch River - 4th Order	4.74	MILES
Temperature, water			
ID17060306CL052_03	Ruby Creek - 3rd Order	2.14	MILES
Escherichia coli			
Temperature, water			
ID17060306CL053_02	Moose Creek - headwaters	15.71	MILES
Escherichia coli			
Temperature, water			
ID17060306CL053_03	Moose Creek - 3rd Order	3.7	MILES
Escherichia coli			
Temperature, water			
ID17060306CL054_02	Corral Creek - headwaters	22.29	MILES
Temperature, water			

ID17060306CL054_03	Corral Creek - 3rd Order	7.57	MILES
Temperature, water			
ID17060306CL055_02	Pine Creek - headwaters	35.97	MILES
Nutrient/Eutrophication Biological Indicators			
Sedimentation/Siltation			
Temperature, water			
ID17060306CL055_03	Pine Creek - 3rd Order	3.87	MILES
Nutrient/Eutrophication Biological Indicators			
Sedimentation/Siltation			
Temperature, water			
ID17060306CL056_04	Big Bear Creek - 4th Order	17.07	MILES
Escherichia coli			
Temperature, water			
ID17060306CL056_05	Big Bear Creek - 5th Order	1.01	MILES
Escherichia coli			
Temperature, water			
ID17060306CL061_02	West Fork Little Bear Creek - 1st and 2nd Order	38.53	MILES
Escherichia coli			
Nitrogen (Total)			
Sedimentation/Siltation			
ID17060306CL061_03	West Fork Little Bear Creek - 3rd Order	9.22	MILES
Escherichia coli			
Nitrogen (Total)			
Sedimentation/Siltation			
ID17060306CL062_02	Middle Potlatch Creek - headwaters	45.86	MILES
Escherichia coli			
Sedimentation/Siltation			
Temperature, water			
ID17060306CL062_03	Middle Potlatch Creek - 3rd Order	14.46	MILES
Escherichia coli			
Sedimentation/Siltation			
Temperature, water			

WINCHESTER LAKE**Mar 22, 1999**

ID17060306CL009_03	Lapwai Lake	85.95	ACRES
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Nutrient/Eutrophication Biological Indicators

Sedimentation/Siltation

ID17060306CL010_02	Lapwai Creek - source to Winchester Lake	13.84	MILES
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Fecal Coliform

Nutrient/Eutrophication Biological Indicators

Nutrient Suspected Impairment

Oxygen, Dissolved

Sedimentation/Siltation

Temperature, water

ID17060306CL010_03	Lapwai Creek - source to Winchester Lake	1.32	MILES
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Fecal Coliform

Nutrient/Eutrophication Biological Indicators

Oxygen, Dissolved

Sedimentation/Siltation

Temperature, water

17060307 Upper North Fork Clearwater**TMDL Approval Date****CLEARWATER RIVER, UPPER NORTH FORK****Dec 09, 2003**

ID17060307CL001_02a	Sneak Creek - source to mouth	5.38	MILES
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Temperature, water

ID17060307CL003_02a	Tumble Creek - source to mouth	4.6	MILES
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Temperature, water

ID17060307CL005_02	Orogrande Creek - 1st and 2nd order tributaries	28.97	MILES
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Temperature, water

ID17060307CL005_02a	Tamarack Creek - source to mouth	5.66	MILES
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Temperature, water

ID17060307CL005_04	Orogrande Creek - 4th Order	12.6	MILES
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Temperature, water

ID17060307CL006_02	Orogrande Creek - headwaters	36.8	MILES
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Temperature, water

ID17060307CL006_03	Orogrande Creek - 3rd Order	4.05	MILES
Temperature, water			
ID17060307CL007_02a	Sylvan Creek - source to mouth	5.72	MILES
Temperature, water			
ID17060307CL012_02	Middle Creek - tributaries	18.24	MILES
Temperature, water			
ID17060307CL012_02a	Middle Creek - headwaters	8.46	MILES
Temperature, water			
ID17060307CL012_03	Middle Creek - 3rd Order	2.05	MILES
Temperature, water			
ID17060307CL012_03a	Middle Creek	5.54	MILES
Temperature, water			
ID17060307CL021_02	Gravey Creek - source to mouth	19.13	MILES
Temperature, water			
ID17060307CL021_02a	Marten Creek - source to mouth	7.55	MILES
Temperature, water			
ID17060307CL021_02b	Grass Creek - source to mouth	1.65	MILES
Temperature, water			
ID17060307CL021_03	Gravey Creek - 3rd Order	1.44	MILES
Temperature, water			
ID17060307CL021_03a	Gravey Creek - 3rd Order	4.41	MILES
Temperature, water			
ID17060307CL030_02	Osier Creek - source to mouth	18.94	MILES
Temperature, water			
ID17060307CL030_02a	Osier Creek Tributaries: Sugar, Swamp, Pollock Creeks	13.75	MILES
Temperature, water			
ID17060307CL030_03	Osier Creek - 3rd Order	3.88	MILES
Temperature, water			
ID17060307CL032_02a	Deception Gulch Creek - source to mouth	6.38	MILES
Sedimentation/Siltation			
Temperature, water			
ID17060307CL040_02	Cold Springs Creek - source to mouth	11.26	MILES
Temperature, water			

ID17060307CL044_02a	Grizzly Creek - source to mouth	4.53	MILES
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Temperature, water

ID17060307CL045_02	Cougar Creek - source to mouth	5.9	MILES
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Temperature, water

17060308 Lower North Fork Clearwater TMDL Approval Date

CLEARWATER RIVER SUBBASIN. LOWER NORTH FORK Jan 15, 2003

ID17060308CL002_02a	Swamp Creek - 1st and 2nd Order Tributaries	12.76	MILES
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Sedimentation/Siltation

Temperature, water

ID17060308CL002_02d	Cedar Creek - source to mouth	6.23	MILES
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Temperature, water

ID17060308CL002_03a	Swamp Creek - 3rd order, Follet Creek to Dworshak Reservoir	0.72	MILES
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Sedimentation/Siltation

Temperature, water

ID17060308CL002_04	Elk Creek - Cedar Creek to Dworshak Reservoir	8.35	MILES
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Temperature, water

ID17060308CL002_04a	Long Meadow Creek - unnamed trib to Dworshak Reservoir	1.45	MILES
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Escherichia coli A bacteria grab sample was taken from this assessment unit in 1999. E. coli results = 2/100 mls.

Sedimentation/Siltation

Temperature, water

ID17060308CL003_02	Gold Creek, Meadow Creek, unnamed tributary	29.7	MILES
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Sedimentation/Siltation

ID17060308CL003_03	Reeds Creek - Alder Creek to Gold Creek	3.34	MILES
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Sedimentation/Siltation

ID17060308CL003_04	Reeds Creek - Gold Creek to unnamed tributary	1.85	MILES
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Sedimentation/Siltation

ID17060308CL004_02	Reeds Creek - source to Deer Creek, inc. tribs	29.22	MILES
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Sedimentation/Siltation

ID17060308CL004_03	Reeds Creek - Deer Creek to Alder Creek	8.04	MILES
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Sedimentation/Siltation

ID17060308CL020_04a	Breakfast Creek - 4th Order, Stony Cr to Dworshak Reservoir	1.91	MILES
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Sedimentation/Siltation

ID17060308CL025_02	Breakfast Creek - source to Stony Creek	10.04	MILES
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Sedimentation/Siltation

ID17060308CL028_02	Swamp Creek - source to Dworshak Reservoir	1.8	MILES
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Sedimentation/Siltation

Temperature, water

ID17060308CL028_03	Swamp Creek - source to Dworshak Reservoir	3	MILES
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Sedimentation/Siltation

Temperature, water

ID17060308CL029_02	Cranberry Creek - source to Dworshak Reservoir	14.26	MILES
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Escherichia coli

Sedimentation/Siltation

Temperature, water

ID17060308CL030_02d	Partridge Creek - source to mouth	6.88	MILES
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Sedimentation/Siltation

ID17060308CL030_02e	Deep Creek, Fisher Creek, and tributaries	33.33	MILES
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Temperature, water

ID17060308CL030_03a	Elk Creek - 3rd Order, Reservoir to Elk Creek Falls	3.83	MILES
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Temperature, water

ID17060308CL030_03b	Elk Creek - Elk Creek Falls to confluence of Deep Creek	2.14	MILES
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Temperature, water

ID17060308CL030_04	Elk Creek - confluence of Deep Creek to Cedar Creek	3.65	MILES
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Temperature, water

ID17060308CL034_02	Three Bear, Round Meadow, Oviatt Creeks and tributaries	58.47	MILES
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Escherichia coli

Sedimentation/Siltation

Temperature, water

ID17060308CL034_02a	Long Meadow Creek	1.2	MILES
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Escherichia coli

Sedimentation/Siltation

Temperature, water

ID17060308CL034_03	Long Meadow Creek - 3rd Order	7.71	MILES
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Escherichia coli

Sedimentation/Siltation

Temperature, water

ID17060308CL034_04	Long Meadow Creek - 4th Order	4.4	MILES
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Escherichia coli

Sedimentation/Siltation

Temperature, water

Panhandle

17010104 Lower Kootenai TMDL Approval Date

KOOTENAI RIVER AND MOYIE RIVER SUBBASIN TMDLS Feb 06, 2007

ID17010104PN002_02	Boundary Cr & tribs - ID/Canada border to ID/Canada border	17	MILES
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Temperature, water

ID17010104PN002_03	Boundary Creek - Idaho/Canadian border to Id/Canadian border	7.58	MILES
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Temperature, water

ID17010104PN006_02	Cow Creek - headwaters to Smith Creek	9.48	MILES
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Sedimentation/Siltation

ID17010104PN006_03	Cow Creek - source to mouth	2.16	MILES
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Sedimentation/Siltation

ID17010104PN015_04	Lower Deep Creek - Snow Creek to Kootenai River	4.31	MILES
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Sedimentation/Siltation

Suspended Solids impairment is a hold over from 1998 303d list, removed in 2004.

Temperature, water

ID17010104PN018_04	Deep Creek - Ruby Creek to Snow Creek	4.9	MILES
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Sedimentation/Siltation

Temperature, water

ID17010104PN019_04	Deep Creek - Trail Creek to Brown Creek	4.63	MILES
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Sedimentation/Siltation

Temperature, water

ID17010104PN022_03	Deep Creek - McArthur Lake to Trail Creek	6.57	MILES
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Sedimentation/Siltation

Temperature, water

ID17010104PN025_02	Deep Creek - source to McArthur Lake	9.38	MILES
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Temperature, water

17010213 Lower Clark Fork TMDL Approval Date

LOWER CLARK RIVER SUBBASIN TMDLS Oct 22, 2007

ID17010213PN001_08	Clark Fork River Delta - Mosquito Creek to Pend Oreille Lake	11.25	MILES
Cadmium			
Copper			
Dissolved Gas Supersaturation			
Zinc			
ID17010213PN002_02	Johnson Creek - source to mouth	15.31	MILES
Sedimentation/Siltation			
Temperature, water			
ID17010213PN002_03	Johnson Creek - source to mouth	2.12	MILES
Sedimentation/Siltation			
Temperature, water			
ID17010213PN003_08	Clark Fork River - Cabinet Gorge Dam to Mosquito Creek	10.59	MILES
Cadmium			
Copper			
Dissolved Gas Supersaturation			
Zinc			
ID17010213PN004_02	Twin Creek - 1st & 2nd order Twin & Delyle Creek	13.89	MILES
Sedimentation/Siltation			
Temperature, water			
ID17010213PN004_02a	Dry Creek	9.65	MILES
Temperature, water			
ID17010213PN004_03	Twin Creek - Delyle Creek to Clark Fork River	3.45	MILES
Sedimentation/Siltation			
Temperature, water			
ID17010213PN005_08	Clark Fork River - Idaho/Montana border to Cabinet Gorge Dam	0.55	MILES
Cadmium			
Copper			
Dissolved Gas Supersaturation			
Zinc			
ID17010213PN009_02	Mosquito Creek - source to mouth	8.78	MILES
Temperature, water			

ID17010213PN010_04	Lightning Creek - Spring Creek to mouth	1.51	MILES
Sedimentation/Siltation			
Temperature, water			
ID17010213PN011_02	Lightning Creek - Cascade Creek to Spring Creek	0.22	MILES
Sedimentation/Siltation			
Temperature, water			
ID17010213PN011_04	Lightning Creek - Cascade Creek to Spring Creek	2.67	MILES
Sedimentation/Siltation			
Temperature, water			
ID17010213PN012_02	Cascade Creek - source to mouth	7.4	MILES
Temperature, water			
ID17010213PN013_02	Lightning Creek - East Fork Creek to Cascade Creek	10.37	MILES
Sedimentation/Siltation			
Temperature, water			
ID17010213PN013_04	Lightning Creek - East Fork Creek to Cascade Creek	6.77	MILES
Sedimentation/Siltation			
Temperature, water			
ID17010213PN014_02	East Fork Creek - Idaho/Montana border to mouth	5.25	MILES
Sedimentation/Siltation			
Temperature, water			
ID17010213PN014_03	East Fork Creek - Idaho/Montana border to mouth	0.92	MILES
Sedimentation/Siltation			
Temperature, water			
ID17010213PN015_02	Savage Creek - Idaho/Montana border to mouth	2.84	MILES
Sedimentation/Siltation			
Temperature, water			
ID17010213PN016_02	Tribs. to Lightning Cr between Wellington & E. Fork Creek	15.17	MILES
Sedimentation/Siltation			
Temperature, water			
ID17010213PN016_03	Lightning Creek - Wellington Creek to East Fork Creek	4.77	MILES
Sedimentation/Siltation			
Temperature, water			

ID17010213PN017_02	Lightning Creek - tribs between Wellington & Rattle Creek	2.78	MILES
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Sedimentation/Siltation

Temperature, water

ID17010213PN017_03	Lightning Creek - Rattle Creek to Wellington Creek	2.72	MILES
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Sedimentation/Siltation

Temperature, water

ID17010213PN018_02	Rattle Creek - source to mouth	10.41	MILES
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Sedimentation/Siltation

Temperature, water

ID17010213PN019_02	Lightning Creek - source to Rattle Creek	18.37	MILES
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Sedimentation/Siltation

Temperature, water

ID17010213PN019_03	Lightning Creek - source to Rattle Creek	2.13	MILES
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Sedimentation/Siltation

Temperature, water

ID17010213PN020_02	Wellington Creek - source to mouth	7.9	MILES
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Sedimentation/Siltation

Temperature, water

17010214	Pend Oreille Lake	TMDL Approval Date	
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CLARK FORK/PEND OREILLE BASIN	Sep 14, 2000
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ID17010214PN003_02	Hoodoo Creek - source to mouth	51.84	MILES
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Sedimentation/Siltation TMDL completed and approved for AU-Pollutant combination in 2000. Hoodoo Creek discussion and sediment load calculations can be found on pages 152 through 157 of TMDL.

ID17010214PN003_02a	Hoodoo Creek	14.86	MILES
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Sedimentation/Siltation

ID17010214PN012_02	Cocolalla Creek - Cocolalla Lake to mouth	13.3	MILES
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Sedimentation/Siltation

ID17010214PN012_04	Cocolalla Creek - Cocolalla Lake to mouth	7.42	MILES
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Sedimentation/Siltation

ID17010214PN013L_0L	Cocolalla Lake	803.74	ACRES
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Oxygen, Dissolved

Phosphorus (Total)

ID17010214PN014_02	Cocolalla Creek - source to Cocolalla Lake	40.64	MILES
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Sedimentation/Siltation

ID17010214PN014_03	Cocolalla Creek - source to Cocolalla Lake	9.21	MILES
Sedimentation/Siltation			
ID17010214PN015_02	Fish Creek - source to mouth	15.27	MILES
Sedimentation/Siltation			
ID17010214PN015_03	Fish Creek - source to mouth	2.36	MILES
Sedimentation/Siltation			
ID17010214PN018L_0L	Pend Oreille Lake	80828.61	ACRES
Phosphorus (Total)			
ID17010214PN021_02	Cheer Creek	4.64	MILES
Sedimentation/Siltation			
ID17010214PN021_03	Gold Crk.- WGold to lake PDO	1.67	MILES
Sedimentation/Siltation			
ID17010214PN023_02	Gold Creek, headwaters to chloride gulch	6.92	MILES
Sedimentation/Siltation			
ID17010214PN023_03	Gold Creek	1.16	MILES
Sedimentation/Siltation			
ID17010214PN024_02	Chloride Creek	7.14	MILES
Sedimentation/Siltation			
ID17010214PN031_04	Lower Pack River - Sand Creek to mouth	19.21	MILES
Sedimentation/Siltation			
ID17010214PN032_02	Trout Creek	10.15	MILES
Sedimentation/Siltation			
ID17010214PN034_02	Gold Creek - headwaters to Pack River	17.8	MILES
Sedimentation/Siltation			
ID17010214PN035_02	Grouse Creek - tributaries to Grouse Creek	3.34	MILES
Sedimentation/Siltation			
ID17010214PN035_03	Grouse Creek - North Fork Grouse Creek to Pack R.	9.42	MILES
Sedimentation/Siltation			
ID17010214PN036_02	Grouse Creek - 1st and 2nd order tribs above NF Grouse Cr	28.58	MILES
Sedimentation/Siltation			
ID17010214PN036_03	Grouse Creek - Flume Cr to North Fork Grouse Cr	6.82	MILES
Sedimentation/Siltation			
ID17010214PN037_02	North Fork Grouse Creek - headwaters to Grouse Cr	16.7	MILES
Sedimentation/Siltation			

ID17010214PN038_02	Sand Creek - headwaters to Pack River	13.25	MILES
Sedimentation/Siltation			
ID17010214PN039_02	Upper Pack River - tribs between Lindsey Cr and Sand Cr	15.01	MILES
Sedimentation/Siltation			
ID17010214PN039_03	Upper Pack River - Hellroaring Cr to Colburn Cr	8.33	MILES
Sedimentation/Siltation			
ID17010214PN039_04	Upper Pack River - Colburn Cr to Sand Creek	3.8	MILES
Sedimentation/Siltation			
ID17010214PN043_02	Jeru Creek - source to mouth	6.34	MILES
Sedimentation/Siltation			
ID17010214PN045_02	Caribou Creek - Headwaters to Pack R.	16.97	MILES
Sedimentation/Siltation			
ID17010214PN046_02	Berry Creek - headwaters to Colburn Cr.	13.59	MILES
Sedimentation/Siltation			
ID17010214PN046_03	Colburn Cr, Berry Cr to Pack River	0.36	MILES
Sedimentation/Siltation			
ID17010214PN047_02	Colburn Creek - Headwaters to Berry Cr.	8.61	MILES
Sedimentation/Siltation			
PACK RIVER NUTRIENTS TMDLS			Dec 31, 2008
ID17010214PN031_04	Lower Pack River - Sand Creek to mouth	19.21	MILES
Phosphorus (Total)			
ID17010214PN032_02	Trout Creek	10.15	MILES
Phosphorus (Total)			
ID17010214PN038_02	Sand Creek - headwaters to Pack River	13.25	MILES
Phosphorus (Total)			
ID17010214PN039_03	Upper Pack River - Hellroaring Cr to Colburn Cr	8.33	MILES
Phosphorus (Total)			
ID17010214PN039_04	Upper Pack River - Colburn Cr to Sand Creek	3.8	MILES
Phosphorus (Total)			
ID17010214PN041_02	Upper Pack River - tributaries above Hellroaring Cr.	55.84	MILES
Phosphorus (Total)			
ID17010214PN041_03	Upper Pack River - Mainstem, Zuni Cr. to Hellroaring Cr.	10.13	MILES
Phosphorus (Total)			

ID17010214PN046_03	Colburn Cr, Berry Cr to Pack River	0.36	MILES
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Phosphorus (Total)

ID17010214PN047_02	Colburn Creek - Headwaters to Berry Cr.	8.61	MILES
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Phosphorus (Total)

PEND OREILLE LAKE TRIBUTARIES TEMPERATURE TMDLS

Apr 24, 2008

ID17010214PN003_02	Hoodoo Creek - source to mouth	51.84	MILES
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Temperature, water

ID17010214PN003_02a	Hoodoo Creek	14.86	MILES
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Temperature, water

ID17010214PN012_04	Cocolalla Creek - Cocolalla Lake to mouth	7.42	MILES
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Temperature, water

ID17010214PN014_02	Cocolalla Creek - source to Cocolalla Lake	40.64	MILES
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Temperature, water

ID17010214PN014_03	Cocolalla Creek - source to Cocolalla Lake	9.21	MILES
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Temperature, water

ID17010214PN014_04	Cocolalla Creek - source to Cocolalla Lake	0.2	MILES
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Temperature, water

ID17010214PN021_02	Cheer Creek	4.64	MILES
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Temperature, water

ID17010214PN021_03	Gold Crk.- WGold to lake PDO	1.67	MILES
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Temperature, water

ID17010214PN022_02	West Gold Creek	9.63	MILES
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Temperature, water

ID17010214PN023_02	Gold Creek, headwaters to chloride gulch	6.92	MILES
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Temperature, water

ID17010214PN023_03	Gold Creek	1.16	MILES
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Temperature, water

ID17010214PN024_02	Chloride Creek	7.14	MILES
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Temperature, water

ID17010214PN026_02	Cedar Creek	9.47	MILES
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Temperature, water

ID17010214PN027_02	Granite Creek	26.55	MILES
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Temperature, water

ID17010214PN027_03	Granite Creek, Lower	4.68	MILES
Temperature, water			
ID17010214PN030_02	Trestle Creek - source to mouth	21	MILES
Temperature, water			
ID17010214PN031_04	Lower Pack River - Sand Creek to mouth	19.21	MILES
Temperature, water			
ID17010214PN032_02	Trout Creek	10.15	MILES
Temperature, water			
ID17010214PN033_03	Rapid Lightning Creek, Trapper Cr to Pack R	7.79	MILES
Temperature, water			
ID17010214PN034_02	Gold Creek - headwaters to Pack River	17.8	MILES
Temperature, water			
ID17010214PN035_03	Grouse Creek - North Fork Grouse Creek to Pack R.	9.42	MILES
Temperature, water			
ID17010214PN036_02	Grouse Creek - 1st and 2nd order tribs above NF Grouse Cr	28.58	MILES
Temperature, water			
ID17010214PN036_03	Grouse Creek - Flume Cr to North Fork Grouse Cr	6.82	MILES
Temperature, water			
ID17010214PN037_02	North Fork Grouse Creek - headwaters to Grouse Cr	16.7	MILES
Temperature, water			
ID17010214PN039_03	Upper Pack River - Hellroaring Cr to Colburn Cr	8.33	MILES
Temperature, water			
ID17010214PN039_04	Upper Pack River - Colburn Cr to Sand Creek	3.8	MILES
Temperature, water			
ID17010214PN041_02	Upper Pack River - tributaries above Hellroaring Cr.	55.84	MILES
Temperature, water			
ID17010214PN041_03	Upper Pack River - Mainstem, Zuni Cr. to Hellroaring Cr.	10.13	MILES
Temperature, water			
ID17010214PN042_02	McCormick Creek - headwaters to Pack R.	10.8	MILES
Temperature, water			

Combinded Biota/Habitat Assessments removed as a cause on 8/14/2007 by R. Steed. McCormick Creek has large substrate with little to no fines. I believe that the listing of Combinded Biota/and Habitat Assessment was added by mistake and is a flaw in the original analysis of data and information led to the segment being incorrectly listed. Stressor Identification has identified low nutrients and insufficient reference conditions may be why McCormick Creek does not meet BURP standards.

ID17010214PN043_02	Jeru Creek - source to mouth	6.34	MILES
Temperature, water			
ID17010214PN044_02	Hellroaring Creek - Headwaters to Pack R.	10.93	MILES
Temperature, water			
ID17010214PN048_03	Sand Creek - Schweitzer Cr to Pend Oreille L. at City Beach	4.03	MILES
Temperature, water			
ID17010214PN049_02	Sand Creek - tributaries above Schweitzer Creek	15.95	MILES
Temperature, water			
ID17010214PN049_03	Sand Creek - 3rd order portion above Schweitzer Creek	3.55	MILES
Temperature, water			
PEND OREILLE TRIBUTARIES SEDIMENT TMDLS			Jan 31, 2008
ID17010214PN015_03	Fish Creek - source to mouth	2.36	MILES
Temperature, water			
ID17010214PN025_02	North Gold Creek - source to mouth	17.15	MILES
Sedimentation/Siltation			
ID17010214PN025_03	North Gold Creek	2.29	MILES
Sedimentation/Siltation			
ID17010214PN034_02	Gold Creek - headwaters to Pack River	17.8	MILES
Sedimentation/Siltation			
ID17010214PN041_02	Upper Pack River - tributaries above Hellroaring Cr.	55.84	MILES
Sedimentation/Siltation			
ID17010214PN041_03	Upper Pack River - Mainstem, Zuni Cr. to Hellroaring Cr.	10.13	MILES
Sedimentation/Siltation			
ID17010214PN044_02	Hellroaring Creek - Headwaters to Pack R.	10.93	MILES
Sedimentation/Siltation			
ID17010214PN048_03	Sand Creek - Schweitzer Cr to Pend Oreille L. at City Beach	4.03	MILES
Sedimentation/Siltation			
ID17010214PN048_03a	Sand Creek	1.6	MILES
Sedimentation/Siltation			
ID17010214PN049_02	Sand Creek - tributaries above Schweitzer Creek	15.95	MILES
Sedimentation/Siltation			
ID17010214PN049_03	Sand Creek - 3rd order portion above Schweitzer Creek	3.55	MILES
Sedimentation/Siltation			

ID17010214PN050_02	Spring Jack Creek - headwaters to Sand Cr.	2.62	MILES
Sedimentation/Siltation			
ID17010214PN051_02	Swede Creek - headwaters to Sand Cr.	3.07	MILES
Sedimentation/Siltation			
ID17010214PN052_02	Schweitzer Creek - headwaters to Sand Cr.	6.73	MILES
Sedimentation/Siltation			
ID17010214PN053_02	Little Sand Creek - headwaters to Sand Cr.	13.38	MILES
Sedimentation/Siltation			
17010215	Priest	TMDL Approval Date	
PRIEST RIVER SUBBASIN		Jun 23, 2003	
ID17010215PN001_05	Lower Priest River-Upper West Branch Priest River to mouth	35.97	MILES
Sedimentation/Siltation			
ID17010215PN003_02	Middle Fork East River - source to mouth	26.31	MILES
Temperature, water			
ID17010215PN003_03	Middle Fork East River - source to mouth	6.57	MILES
Temperature, water			
ID17010215PN003_04	East River main stem - source to mouth	2.5	MILES
Sedimentation/Siltation			
Temperature, water			
ID17010215PN004_02	North Fork East River - source to mouth	27.54	MILES
Temperature, water			
ID17010215PN004_03	North Fork East River - source to mouth	2.22	MILES
Temperature, water			
ID17010215PN023_02	Reeder Creek - source to mouth	22.65	MILES
Sedimentation/Siltation			
ID17010215PN023_03	Reeder Creek - source to mouth	0.64	MILES
Sedimentation/Siltation			
ID17010215PN024_03	Kalispell Creek - Idaho/Washington border to mouth	12.19	MILES
Sedimentation/Siltation			
ID17010215PN026_02	Binarch Creek - Idaho/Washington border to mouth	13.16	MILES
Sedimentation/Siltation			
ID17010215PN030_03	Lower West Branch Priest River - Idaho/Washington border	11.94	MILES
Sedimentation/Siltation			

ID17010215PN030_04	Lower West Branch Priest River -ID/WA border to Priest River	10.83	MILES
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Sedimentation/Siltation

17010301	Upper Coeur d Alene	TMDL Approval Date
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COEUR D'ALENE RIVER SUBBASIN. NORTH FORK	Feb 19, 2002
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ID17010301PN001_05	North Fork Coeur d'Alene River, below Prichard Cr.	26.29	MILES
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Sedimentation/Siltation

ID17010301PN003_02	Beaver Creek, headwaters and tributaries	44.53	MILES
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Sedimentation/Siltation

ID17010301PN003_03	Beaver Creek- below White Creek	3.71	MILES
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Sedimentation/Siltation

ID17010301PN004_02	Prichard Cr., tributaries between Butte Gulch and Eagle Cr.	4.17	MILES
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Sedimentation/Siltation

ID17010301PN004_03	Prichard Creek - between Butte Gulch and Eagle Creek	5.45	MILES
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Sedimentation/Siltation

ID17010301PN004_04	Prichard Creek below Eagle Creek	2.94	MILES
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Sedimentation/Siltation

ID17010301PN005_02	Prichard Creek -headwaters and tributaries above Butte Gulch	24.34	MILES
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Sedimentation/Siltation

ID17010301PN005_03	Prichard Creek - between Barton Gulch to Butte Gulch	1.98	MILES
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Sedimentation/Siltation

ID17010301PN006_02	Butte Gulch - headwaters to Prichard Cr.	5.33	MILES
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Sedimentation/Siltation

ID17010301PN007_02	East Fork Eagle Creek and tributaries	16.3	MILES
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Cadmium

Lead

Sedimentation/Siltation

Zinc

ID17010301PN007_03	Eagle Creek	1.02	MILES
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Sedimentation/Siltation

ID17010301PN009_02	Lost Creek, headwaters and tributaries	19.15	MILES
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Sedimentation/Siltation

ID17010301PN009_03	Lost Creek, below East Fork Lost Creek	1.28	MILES
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Sedimentation/Siltation

ID17010301PN010_03	Shoshone Creek, below Falls Creek	6.75	MILES
Sedimentation/Siltation			
ID17010301PN011_02	Falls Creek and tributaries	8.08	MILES
Sedimentation/Siltation			
ID17010301PN012_02	Shoshone Creek, headwaters and tribs above Falls Creek	46.85	MILES
Sedimentation/Siltation			
ID17010301PN012_03	Shoshone Creek, between Little Lost Fork and Falls Creek	7.07	MILES
Sedimentation/Siltation			
ID17010301PN013_05	North Fork Coeur d'Alene River btw Tepee Cr and Yellowdog Cr	11.87	MILES
Sedimentation/Siltation			
ID17010301PN014_02	Jordan Creek - headwaters and tributaries	15.34	MILES
Sedimentation/Siltation			
ID17010301PN014_02a	Cub Creek	1.48	MILES
Sedimentation/Siltation			
ID17010301PN014_02b	Calamity Creek	3.8	MILES
Sedimentation/Siltation			
ID17010301PN017_04	Tepee Creek, between Trail and Independence Cr.	4.13	MILES
Sedimentation/Siltation			
ID17010301PN017_05	Tepee Creek, below Independence Creek	4.7	MILES
Sedimentation/Siltation			
ID17010301PN030_02	Little North Fork Coeur d'Alene R - headwaters to Solitaire	4.53	MILES
Sedimentation/Siltation			
ID17010301PN030_03	Little NF CDA River - btw Solitaire and Deception Creek	11.26	MILES
Sedimentation/Siltation			
ID17010301PN030_04	Little North Fork CDA River below Skookum Creek	23.85	MILES
Sedimentation/Siltation			
ID17010301PN036_02	Burnt Cabin Creek and tributaries	12.97	MILES
Sedimentation/Siltation			
ID17010301PN039_02	Copper Creek headwaters and tributaries	18.89	MILES
Sedimentation/Siltation			
ID17010301PN039_03	Copper Creek, below Homer Creek	2.75	MILES
Sedimentation/Siltation			

17010302

South Fork Coeur d Alene

TMDL Approval Date

COEUR D'ALENE RIVER SUBBASIN, SOUTH FORK**Aug 21, 2003**

ID17010302PN001_02	South Fork Coeur d'Alene River - Tributaries below Placer Cr	62.81	MILES
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Sedimentation/Siltation

Sediment was identified as the unknown pollutant during the development of the subbasin assessment and TMDL.

ID17010302PN001_03	South Fork Coeur d' Alene River-btw Canyon Cr. and Big Cr.	8.45	MILES
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Sedimentation/Siltation

Sediment was identified as the unknown pollutant during the development of the subbasin assessment and TMDL.

ID17010302PN001_04	South Fork Coeur d'Alene River - btw Big Cr and Pine Cr	9.97	MILES
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Sedimentation/Siltation

Sediment was identified as the unknown pollutant during the development of the subbasin assessment and TMDL.

ID17010302PN001_05	South Fork Coeur d'Alene River - Canyon Creek to mouth	2.28	MILES
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Sedimentation/Siltation

Sediment was identified as the unknown pollutant during the development of the subbasin assessment and TMDL in 2002, subsequent data also shows violations temperature criteria.

ID17010302PN002_04	Pine Creek - East Fork Pine Creek to mouth	5.3	MILES
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Sedimentation/Siltation

Sediment was identified as the unknown pollutant during the development of the subbasin assessment and TMDL in 2002.

ID17010302PN003_03	Pine Creek - source to East Fork Pine Creek	5.94	MILES
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Sedimentation/Siltation

3/29/2013 (KES) - This segment of Pine Creek includes Pine Creek and its headwaters upstream of East Fork Pine. The segment is included in the sediment load allocation for the overall Pine Creek watershed in the South Fork Coeur d'Alene River Sediment Subbasin Assessment and TMDL, approved August 21, 2003. The Pine Creek watershed load allocation was 1,462 tons/year with an existing load of 2,339 tons/year and a load reduction of 877 tons/year needed. For additional information, refer to Table 22c on page 53 of the TMDL.

ID17010302PN004_02	East Fork Pine Creek - source to mouth	22.53	MILES
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Sedimentation/Siltation

Sediment was identified as the unknown pollutant during the development of the subbasin assessment and TMDL in 2002.

ID17010302PN004_03	East Fork Pine Creek - source to mouth	4.01	MILES
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Sedimentation/Siltation

Sediment was identified as the unknown pollutant during the development of the subbasin assessment and TMDL in 2002.

ID17010302PN006_02	Government Gulch - source to mouth	3.54	MILES
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Sedimentation/Siltation

Sediment was identified as the unknown pollutant during the development of the subbasin assessment and TMDL in 2002.

ID17010302PN014_02	Canyon Creek - from and including Gorge Gulch to mouth	8.64	MILES
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Sedimentation/Siltation

ID17010302PN015_02	Canyon Creek - source to Gorge Gulch	4.08	MILES
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Sedimentation/Siltation

ID17010302PN016_02	Ninemile Creek - from and including East Fork Ninemile Creek	9.33	MILES
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Sedimentation/Siltation

Sediment was identified as the unknown pollutant during the development of the subbasin assessment and TMDL in 2002, subsequent data also shows violations temperature criteria.

ID17010302PN017_02	Ninemile Creek - source to East Fork Ninemile Creek	1.79	MILES
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Sedimentation/Siltation

Sediment was identified as the unknown pollutant during the development of the subbasin assessment and TMDL in 2002.

17010303 Coeur d Alene Lake TMDL Approval Date

BLACK LAKE NUTRIENTS TMDL

Aug 31, 2011

ID17010303PN009L_0L	Black Lake	376.69	ACRES
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Phosphorus (Total)

COEUR D'ALENE LAKE & RIVER SUBBASIN

Jul 14, 2000

ID17010303PN001_02	Tribs to Coeur d'Alene Lake	49.97	MILES
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Sedimentation/Siltation

ID17010303PN002_02	Cougar Creek - source to mouth	15.71	MILES
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Sedimentation/Siltation

ID17010303PN003_02	Kid Creek - source to mouth	4.08	MILES
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Sedimentation/Siltation

ID17010303PN004_02	Mica Creek - source to mouth	24.17	MILES
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Fecal Coliform

Sedimentation/Siltation

ID17010303PN004_03	Mica Creek - source to mouth	1.28	MILES
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Fecal Coliform

Sedimentation/Siltation

ID17010303PN015_02	Latour Creek - source to mouth	50.41	MILES
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Sedimentation/Siltation

ID17010303PN029_02	Wolf Lodge Creek - source to mouth	23.78	MILES
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Sedimentation/Siltation

ID17010303PN029_03	Wolf Lodge Creek - source to mouth	5.74	MILES
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Sedimentation/Siltation

ID17010303PN030_02	Cedar Creek - source to mouth	24.92	MILES
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Sedimentation/Siltation

ID17010303PN030_03	Cedar Creek - source to mouth	1.46	MILES
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Sedimentation/Siltation

ID17010303PN031_02	Marie Creek - source to mouth	19.66	MILES
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Sedimentation/Siltation

17010304 St. Joe TMDL Approval Date

ST. JOE RIVER SUBBASIN

Aug 21, 2003

ID17010304PN030_02	Mica Creek - source to mouth	40.04	MILES
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Sedimentation/Siltation

ID17010304PN030_03	Mica Creek - source to mouth	10.68	MILES
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Sedimentation/Siltation

ID17010304PN033_02	Toles Creek - source to mouth	4.52	MILES
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Sedimentation/Siltation

ID17010304PN039_03	Fishhook Creek - source to mouth	4.52	MILES
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Sedimentation/Siltation

ID17010304PN039_04	Fishhook Creek - source to mouth	5.36	MILES
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Sedimentation/Siltation

ST. JOE RIVER SUBBASIN TEMPERATURE TMDL ADDENDUM

Dec 05, 2011

ID17010304PN007_05	St. Maries River - Santa Creek to mouth	24.07	MILES
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Temperature, water

2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35.

ID17010304PN009_02	John Creek - source to mouth	28.37	MILES
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Temperature, water

ID17010304PN010_02	Santa Creek - source to mouth	34.22	MILES
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Temperature, water

2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35.

ID17010304PN010_03	Santa Creek - source to mouth	4.17	MILES
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Temperature, water

2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35.

ID17010304PN010_04	Santa Creek - source to mouth	8.96	MILES
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Temperature, water

2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35.

ID17010304PN011_03	Charlie Creek - source to mouth	5.8	MILES
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Temperature, water

2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35.

ID17010304PN012_05	St. Maries River - Carpenter Creek to Santa Creek	9.4	MILES
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Temperature, water

2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35.

ID17010304PN013_03	Tyson Creek - source to mouth	2.14	MILES
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Temperature, water

ID17010304PN014_02	Carpenter Creek - source to mouth	27.55	MILES
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Temperature, water

ID17010304PN015_05	St. Maries River	10.42	MILES
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Temperature, water

2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35.

ID17010304PN016_02	Emerald Creek - source to mouth	40.13	MILES
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Temperature, water

2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35.

ID17010304PN016_03	Emerald Creek - E Fork Emerald to St. Maries River	8.67	MILES
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Temperature, water

2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35.

ID17010304PN017_02	West Fork St. Maries River - source to mouth	52.36	MILES
Temperature, water	2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on Dec 05, 2011. The loads can be found on pages 34 and 35.		
ID17010304PN017_03	West Fork St. Maries River - source to mouth	5.54	MILES
Temperature, water	2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on Dec 05, 2011. The loads can be found on pages 34 and 35.		
ID17010304PN017_04	West Fork St. Maries River - source to mouth	3.66	MILES
Temperature, water	2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35.		
ID17010304PN018_02	Middle Fork St. Maries River - source to mouth	34.26	MILES
Temperature, water	2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35.		
ID17010304PN018_03	Middle Fork St. Maries River - source to mouth	1.54	MILES
Temperature, water	2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35.		
ID17010304PN018_04	Middle Fork St. Maries River - source to mouth	4.7	MILES
Temperature, water	2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35.		
ID17010304PN018_05	Middle Fork St. Maries River - source to mouth	1.39	MILES
Temperature, water	2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35.		
ID17010304PN019_02	Gold Center Creek - source to mouth	19.68	MILES
Temperature, water	2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35.		

ID17010304PN019_03	Gold Center Creek - source to mouth	2.16	MILES
Temperature, water	2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35 of the TMDL.		
ID17010304PN020_03	Merry Creek - source to mouth	5.14	MILES
Temperature, water			
ID17010304PN026_02	Thorn Creek - upper	35.2	MILES
Temperature, water	2012: This AU has had a Potential Natural Vegetation TMDL developed for it. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on Dec 05, 2011. The loads can be found on pages 34 and 35. Temperature has been moved to category 4a. Assessed by R. Steed.		
ID17010304PN026_03	Thorn Creek - lower	1.91	MILES
Temperature, water	<p>16 June 2006 - The cause "pollutant unidentified" has been replaced with "temperature". 2002 temperature logger data (2002SCDATL0003) show that salmonid spawning criteria are exceeded between 45% and 100% of the period of record (June 16, 2002 to Sept. 30, 2002). R. Steed</p> <p>2012: This AU has had a Potential Natural Vegetation TMDL developed for it. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on Dec 05, 2011. The loads can be found on pages 34 and 35. Temperature has been moved to category 4a. Assessed by R. Steed.</p> <p>6/16/2006 (R. Steed) - The cause "pollutant unidentified" has been replaced with "temperature". 2002 temperature logger data (2002SCDATL0003) show that salmonid spawning criteria are exceeded between 45% and 100% of the period of record (June 16, 2002 to Sept. 30, 2002).</p>		
ID17010304PN027_02	St. Joe River - North Fork St. Joe River to St. Maries River	160.05	MILES
Temperature, water	2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35.		
ID17010304PN027_05	St. Joe River - North Fork St. Joe River to St. Maries River	52.65	MILES
Temperature, water			
ID17010304PN031_04	Marble Creek - Hobo Creek to mouth	11.84	MILES
Temperature, water	2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on Dec 05, 2011. The loads can be found on pages 34 and 35. Temperature has been moved to category 4a.		

ID17010304PN033_02	Toles Creek - source to mouth	4.52	MILES
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Temperature, water

012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35.

ID17010304PN039_03	Fishhook Creek - source to mouth	4.52	MILES
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Sedimentation/Siltation

Temperature, water

2012 (Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35.

ID17010304PN039_04	Fishhook Creek - source to mouth	5.36	MILES
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Temperature, water

2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35. Temperature has been moved to Category 4a.

ID17010304PN041_02a	Sherlock Creek	2.23	MILES
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Temperature, water

2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35.

ID17010304PN045_02	EF and WF Bluff Creek, upstream from their convergence	37.15	MILES
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Temperature, water

2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35.

ID17010304PN045_03	Bluff Creek - downstream from convergence of EF and WF	1.83	MILES
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Temperature, water

2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35.

ID17010304PN052_02	Simmons Creek - source to mouth	31.48	MILES
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Temperature, water

2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35.

ID17010304PN052_03	Simmons Creek - source to mouth	10.06	MILES
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Temperature, water

2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35.

ID17010304PN053_02	Gold Creek - source to mouth	25.86	MILES
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Temperature, water

2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35.

ID17010304PN060_02	Loop Creek - source to mouth	39.84	MILES
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Temperature, water

2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35.

ID17010304PN060_03	Loop Creek - source to mouth	6.6	MILES
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Temperature, water

2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it which replaces the original TMDL. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35.

ID17010304PN062_03	Slate Creek - source to mouth	14.49	MILES
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Temperature, water

ID17010304PN063_02	Big Creek - source to mouth	46.32	MILES
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Temperature, water

ID17010304PN063_03	Big Creek - source to mouth	11.62	MILES
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Temperature, water

2012: This AU has had a Potential Natural Vegetation TMDL developed for it. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on Dec 05, 2011. The loads can be found on pages 34 and 35. Temperature has been moved to category 4a. Assessed by R. Steed. 2012: This AU has had a Potential Natural Vegetation TMDL developed for it. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on Dec 05, 2011. The loads can be found on pages 34 and 35. Temperature has been moved to category 4a. Assessed by R. Steed.

ST. MARIES RIVER SUBBASIN

Aug 21, 2003

ID17010304PN007_05	St. Maries River - Santa Creek to mouth	24.07	MILES
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Sedimentation/Siltation

ID17010304PN008_02	Alder Creek - source to mouth	29.52	MILES
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Sedimentation/Siltation

ID17010304PN009_02	John Creek - source to mouth	28.37	MILES
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Sedimentation/Siltation

ID17010304PN010_02	Santa Creek - source to mouth	34.22	MILES
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Sedimentation/Siltation

ID17010304PN010_03	Santa Creek - source to mouth	4.17	MILES
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Sedimentation/Siltation

ID17010304PN010_04	Santa Creek - source to mouth	8.96	MILES
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Sedimentation/Siltation

ID17010304PN011_02	Charlie Creek - source to mouth	32.72	MILES
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Sedimentation/Siltation

ID17010304PN011_03	Charlie Creek - source to mouth	5.8	MILES
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Sedimentation/Siltation

ID17010304PN012_05	St. Maries River - Carpenter Creek to Santa Creek	9.4	MILES
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Sedimentation/Siltation

ID17010304PN013_02	Tyson Creek - headwaters to mouth	14.15	MILES
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Sedimentation/Siltation

ID17010304PN013_03	Tyson Creek - source to mouth	2.14	MILES
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Sedimentation/Siltation

ID17010304PN014_02	Carpenter Creek - source to mouth	27.55	MILES
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Sedimentation/Siltation

ID17010304PN014_03	Carpenter Creek - source to mouth	1.02	MILES
Sedimentation/Siltation			
ID17010304PN015_05	St. Maries River	10.42	MILES
Sedimentation/Siltation			
ID17010304PN016_02	Emerald Creek - source to mouth	40.13	MILES
Sedimentation/Siltation			
ID17010304PN016_03	Emerald Creek - E Fork Emerald to St. Maries River	8.67	MILES
Sedimentation/Siltation			
ID17010304PN017_02	West Fork St. Maries River - source to mouth	52.36	MILES
Sedimentation/Siltation			
ID17010304PN017_03	West Fork St. Maries River - source to mouth	5.54	MILES
Sedimentation/Siltation			
ID17010304PN017_04	West Fork St. Maries River - source to mouth	3.66	MILES
Sedimentation/Siltation			
ID17010304PN018_02	Middle Fork St. Maries River - source to mouth	34.26	MILES
Sedimentation/Siltation			
ID17010304PN018_03	Middle Fork St. Maries River - source to mouth	1.54	MILES
Sedimentation/Siltation			
ID17010304PN018_04	Middle Fork St. Maries River - source to mouth	4.7	MILES
Sedimentation/Siltation			
ID17010304PN018_05	Middle Fork St. Maries River - source to mouth	1.39	MILES
Sedimentation/Siltation			
ID17010304PN023_02	Crystal Creek - source to mouth	8.88	MILES
Sedimentation/Siltation			
ID17010304PN024_02	Renfro Creek - source to mouth	21.98	MILES
Sedimentation/Siltation			
ID17010304PN024_03	Renfro Creek - locally known as Davis Cr	1.22	MILES
Sedimentation/Siltation			
ID17010304PN026_02	Thorn Creek - upper	35.2	MILES
Sedimentation/Siltation			
ID17010304PN026_03	Thorn Creek - lower	1.91	MILES
Sedimentation/Siltation			

17010305

Upper Spokane

TMDL Approval Date

FISH CREEK TEMPERATURE. SEDIMENT & BACTERIA TMDLS**Jun 05, 2008**

ID17010305PN014_02	Fish Creek -upper and tributaries, ID/WA border to Twin Lake	26.69	MILES
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Sedimentation/Siltation

Temperature, water

ID17010305PN014_03	Fish Creek - mainstem, Idaho/Washington border to Twin Lakes	4.53	MILES
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Escherichia coli

Sedimentation/Siltation

Temperature, water

SPOKANE. UPPER**Jan 31, 2001**

ID17010305PN005L_0L	Hayden Lake	3800.26	ACRES
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Phosphorus (Total)

ID17010305PN013L_0L	Twin Lakes	915.25	ACRES
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Phosphorus (Total)

ID17010305PN016L_0L	Hauser Lake	539.18	ACRES
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Phosphorus (Total)

17010306**Hangman****TMDL Approval Date****UPPER HANGMAN CREEK ASSESSMENT AND TMDLS****Aug 29, 2007**

ID17010306PN001_02	Hangman Creek - Tribs to Hangman Cr from Headwaters to WA	116.04	MILES
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Escherichia coli

Sedimentation/Siltation

Temperature, water

ID17010306PN001_03	Hangman Creek confluence with SF to Tribal Boundary	0.1	MILES
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Escherichia coli

Sedimentation/Siltation

Temperature, water

Salmon**17060101****Hells Canyon****TMDL Approval Date****LOWER SALMON RIVER AND HELLS CANYON TRIBUTARIES TMDLS****Feb 09, 2010**

ID17060101SL024_04	Wolf Creek - 4th Order	5.75	MILES
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Temperature, water

ID17060101SL025_02	Wolf Creek - 1st and 2nd Order Tributaries	22.37	MILES
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Temperature, water

ID17060101SL025_03	Wolf Creek - 3rd Order	2.83	MILES
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Temperature, water

ID17060101SL025_04	Wolf Creek - 4th Order	0.86	MILES
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Temperature, water

ID17060101SL028_02	Divide Creek - 1st and 2nd order Tributaries	34.96	MILES
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Escherichia coli

Temperature, water

ID17060101SL028_03	Divide Creek - 3rd Order	11.05	MILES
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Escherichia coli

Temperature, water

Snake River -- Hells Canyon TMDL **Mar 01, 2004**

ID17060101SL001_08	Snake River - Wolf Creek to Salmon River	14.8	MILES
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Dissolved Gas Supersaturation

Temperature, water

ID17060101SL002_08	Snake River - Sheep Creek to Wolf Creek	26.29	MILES
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Dissolved Gas Supersaturation

Temperature, water

ID17060101SL003_08	Snake River - Hells Canyon Dam to Sheep Creek	17.91	MILES
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Dissolved Gas Supersaturation

Snake River Hells Canyon TMDL **Sep 09, 2004**

ID17060101SL003_08	Snake River - Hells Canyon Dam to Sheep Creek	17.91	MILES
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Temperature, water

17060103 Lower Snake-Asotin **TMDL Approval Date**

TAMMANY CREEK WATERSHED TMDL ADDENDUM **Dec 17, 2010**

ID17060103SL014_02	Tammany Creek - WBID 015 to unnamed tributary	14.58	MILES
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Escherichia coli

Nitrogen, Nitrate

Phosphorus (Total)

Sedimentation/Siltation

6/2012 (CB) - The 2001 sediment TMDL did not include a waste load allocation for point sources. The Tammany Creek TMDL Amendment, approved December 17, 2010, reduces and re-assigns 6% of the 2001 TMDL nonpoint source sediment load allocation to a point source wasteload allocation for storm water discharge and reserves 1.5% of the load capacity for future growth. For additional information, refer to Section 5.1, Sediment Load and Wasteload Re-Allocations, pages 3-4.

ID17060103SL014_03	Tammany Creek - Unnamed Tributary to mouth	4.26	MILES
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Escherichia coli

Nitrogen, Nitrate

Phosphorus (Total)

Sedimentation/Siltation

6/2012 (CB) - The 2001 sediment TMDL did not include a waste load allocation for point sources. The Tammany Creek TMDL Amendment, approved December 17, 2010, reduces and re-assigns 6% of the 2001 TMDL nonpoint source sediment load allocation to a point source wasteload allocation for storm water discharge and reserves 1.5% of the load capacity for future growth. For additional information, refer to Section 5.1, Sediment Load and Wasteload Re-Allocations, pages 3-4.

ID17060103SL016_02	Tammany Creek-source to Unnamed Tributary(T34N, R04W, Sec19)	18.63	MILES
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Escherichia coli

Nitrogen, Nitrate

Phosphorus (Total)

Sedimentation/Siltation

6/2012 (CB) - The 2001 sediment TMDL did not include a waste load allocation for point sources. The Tammany Creek TMDL Amendment, approved December 17, 2010, reduces and re-assigns 6% of the 2001 TMDL nonpoint source sediment load allocation to a point source wasteload allocation for storm water discharge and reserves 1.5% of the load capacity for future growth. For additional information, refer to Section 5.1, Sediment Load and Wasteload Re-Allocations, pages 3-4.

17060201 Upper Salmon TMDL Approval Date

SALMON SUBBASIN. UPPER

Mar 19, 2003

ID17060201SL007_04	Challis Creek - Darling Creek to mouth	3.42	MILES
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Sedimentation/Siltation

ID17060201SL009_03	Challis Creek - Bear Creek to Darling Creek	4.94	MILES
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Sedimentation/Siltation

ID17060201SL009_04	Challis Creek - Bear Creek to Darling Creek	1.5	MILES
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Sedimentation/Siltation

17060202 Pahsimeroi TMDL Approval Date

PAHSIMEROI RIVER

Dec 06, 2001

ID17060202SL001_05	Pahsimeroi River - Patterson Creek to mouth	10.27	MILES
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Sedimentation/Siltation

Temperature, water

ID17060202SL002_04	Pahsimeroi River - Meadow Creek to Patterson Creek	2.47	MILES
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Sedimentation/Siltation

ID17060202SL002_05	Pahsimeroi River - Meadow Creek to Patterson Creek	10.22	MILES
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Sedimentation/Siltation

ID17060202SL007_04	Pahsimeroi River - Furey Lane (T15S, R22E) to Meadow Creek	1.56	MILES
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Sedimentation/Siltation

ID17060202SL008_04	Pahsimeroi River - Big Creek to Furey Lane (T15S, R22E)	3.18	MILES
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Sedimentation/Siltation

ID17060202SL010_03	Pahsimeroi River - Goldburg Creek to Big Creek	5.32	MILES
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Sedimentation/Siltation

ID17060202SL010_04	Pahsimeroi River - Goldburg Creek to Big Creek	6.64	MILES
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Sedimentation/Siltation

ID17060202SL010_05	Pahsimeroi River - Goldburg Creek to Big Creek	0.1	MILES
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Sedimentation/Siltation

ID17060202SL011_04	Pahsimeroi River	2.54	MILES
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Sedimentation/Siltation

ID17060202SL017_04	Pahsimeroi River	10.35	MILES
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Sedimentation/Siltation

ID17060202SL018_04	Pahsimeroi River - Mahogany Creek to Burnt Creek	6.17	MILES
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Sedimentation/Siltation 6/25/2012 (NED) - The sediment load allocations were based on segments where streambank erosion inventories were performed and found to have excess instream erosion. Even though this reach goes dry at certain times of the year, high flows do transport sediment from these reaches.

Temperature, water

ID17060202SL022_03	East Fork Pahsimeroi River - source to mouth	1.42	MILES
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Sedimentation/Siltation 6/25/2012 (NED) - The sediment load allocations were based on segments where streambank erosion inventories were performed and found to have excess instream erosion. Even though this reach goes dry at certain times of the year, high flows do transport sediment from these reaches.

Temperature, water

17060203 Middle Salmon-Panther TMDL Approval Date

SALMON RIVER, MIDDLE/PANTHER CREEK Jul 02, 2001

ID17060203SL047_02	Salmon River - Iron Creek to Twelvemile Creek	67.55	MILES
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Phosphorus (Total) 02/04/2009 (NED) - Total Phosphorus (TP) reductions will act as a surrogate for low Dissolved Oxygen (DO).

17060204**Lemhi****TMDL Approval Date****LEMHI****Mar 14, 2000**

ID17060204SL001_06	Lemhi River - Kenney Creek to mouth	24.63	MILES
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Escherichia coli

04/23/10 (NED)- E. coli is listed as the impairment due to a change in DEQ's water quality standards from a criterion associated with fecal coliform to a more specific criterion for E. coli. Fecal coliform is not removed as a cause since it was the species of concern when this stream was initially listed. NED 04/23/10

Fecal Coliform

ID17060204SL005_06	Lemhi River - Hayden Creek to Kenney Creek	12.78	MILES
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Escherichia coli

ID17060204SL007a_03	McDevitt Creek - diversion (T19N, R23E, Sec. 36) to mouth	2.36	MILES
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Sedimentation/Siltation

ID17060204SL007b_02	McDevitt Creek - source to diversion (T19N, R23E, Sec. 36)	19.07	MILES
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Sedimentation/Siltation

ID17060204SL007b_03	McDevitt Creek - source to diversion (T19N, R23E, Sec. 36)	4.43	MILES
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Sedimentation/Siltation

ID17060204SL024_05	Lemhi River - Peterson Creek to Hayden Creek	9.58	MILES
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Escherichia coli

ID17060204SL025_05	Lemhi River - confluence of Big and Little Eightmile Creeks	5.86	MILES
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Escherichia coli

ID17060204SL030_04	Lemhi River (West Branch) - Big Spring Creek	6.55	MILES
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Escherichia coli

ID17060204SL030_05	Lemhi River (East Branch)-Eighteenmile & Texas Ck Confluence	10.41	MILES
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Fecal Coliform

ID17060204SL041_04	Eighteenmile Creek - Hawley Creek to mouth	2.21	MILES
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Sedimentation/Siltation

ID17060204SL042_03	Eighteenmile Creek - Clear Creek to Hawley Creek	8.4	MILES
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Sedimentation/Siltation

ID17060204SL043_03	Eighteenmile Creek - Divide Creek to Clear Creek	5.96	MILES
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Sedimentation/Siltation

ID17060204SL045_02	Eighteenmile Creek - source to Divide Creek	29.68	MILES
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Sedimentation/Siltation

ID17060204SL061_02	Kenney Creek - source to mouth	20.71	MILES
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Escherichia coli

ID17060204SL062a_02	Sandy Creek - diversion (T20N, R24E, Sec. 17) to mouth	2.1	MILES
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Sedimentation/Siltation

ID17060204SL062b_02	Sandy Creek - source to diversion (T20N, R24E, Sec. 17)	12.33	MILES
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Sedimentation/Siltation

ID17060204SL063_02	Wimpey Creek - source to mouth	19.66	MILES
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Sedimentation/Siltation

ID17060204SL064a_02	Bohannon Creek - diversion (T21N, R23E, Sec. 22) to mouth	1.36	MILES
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Sedimentation/Siltation

ID17060204SL064b_02	Bohannon Creek - source to diversion (T21N, R23E, Sec. 22)	13.58	MILES
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Sedimentation/Siltation

ID17060204SL065a_02	Geertson Creek - diversion (T21N, R23E, Sec. 20) to mouth	11.44	MILES
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Sedimentation/Siltation

ID17060204SL065b_02	Geertson Creek - source to diversion (T21N, R23E, Sec. 20)	14.71	MILES
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Sedimentation/Siltation

ID17060204SL066a_03	Kirtley Creek - diversion (T21N, R22E, Sec. 02) to mouth	2.28	MILES
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Sedimentation/Siltation

ID17060204SL066b_02	Kirtley Creek	20.93	MILES
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Sedimentation/Siltation

Lemhi River Subbasin TMDLs

Feb 27, 2013

ID17060204SL001_06	Lemhi River - Kenney Creek to mouth	24.63	MILES
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Temperature, water

ID17060204SL030_04	Lemhi River (West Branch) - Big Spring Creek	6.55	MILES
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Temperature, water

ID17060204SL030_05	Lemhi River (East Branch)-Eighteenmile & Texas Ck Confluence	10.41	MILES
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Temperature, water

ID17060204SL041_04	Eighteenmile Creek - Hawley Creek to mouth	2.21	MILES
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Temperature, water

ID17060204SL042_03	Eighteenmile Creek - Clear Creek to Hawley Creek	8.4	MILES
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Temperature, water

ID17060204SL043_03	Eighteenmile Creek - Divide Creek to Clear Creek	5.96	MILES
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Temperature, water

ID17060204SL045_02	Eighteenmile Creek - source to Divide Creek	29.68	MILES
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Temperature, water

ID17060204SL051b_02	Canyon Creek - source to diversion (T16N, R26E, Sec.22)	70.09	MILES
Escherichia coli			
ID17060204SL052a_02	Little Eightmile Creek	0.43	MILES
Temperature, water			
ID17060204SL052b_02	Little Eightmile Creek-source to diversion	24.98	MILES
Temperature, water			
ID17060204SL062b_02	Sandy Creek - source to diversion (T20N, R24E, Sec. 17)	12.33	MILES
Temperature, water			
ID17060204SL064a_02	Bohannon Creek - diversion (T21N, R23E, Sec. 22) to mouth	1.36	MILES
Temperature, water			
ID17060204SL064b_02	Bohannon Creek - source to diversion (T21N, R23E, Sec. 22)	13.58	MILES
Temperature, water			
ID17060204SL066a_03	Kirtley Creek - diversion (T21N, R22E, Sec. 02) to mouth	2.28	MILES
Temperature, water			
5/8/2013 (NED) - A temperature TMDL was erroneously applied to this AU in the 2008 Integrated which carried over to the 2010 Integrated Report. During the development of the Lemhi River Subbasin TMDL Addendum and Five-Year Review" approved February 27, 2013, DEQ discovered this error. The new temperature load reductions for this AU are provided in Section 5.1 of the Lemhi TMDL. This AU, along with AU ID17060204SL066b_02, carries a current heat load of 160,000 kWh/day with a load capacity of 23,000 kWh/day, equaling an excess load of 150,000 kWh/day- which equals a 94% load reduction. There is no continuous temperature data to suggest temperature impairment in AU ID17060204SL066b_02; however, is receiving a source temperature load allocation due to being a contributing source of thermal loading in the downstream segment. For additional information refer to Section 5.1.6, Table 18 on page 52, Figures 30-32 on pages 72-74 and Section 5.1.7, Table 22 on page 76 of the TMDL.			

17060205 Upper Middle Fork Salmon TMDL Approval Date

MIDDLE FORK SALMON RIVER TEMPERATURE TMDLS

Feb 13, 2009

ID17060205SL018_05	Marsh Creek - Beaver Creek to mouth	5.46	MILES
Temperature, water			
During the development of the Middle Fork Salmon River Subbasin Temperature TMDL, it was determined that this segment was water quality limited for temperature. Refer to Table 55 and 56 on pages 97 and 98 in the TMDL for temperature data.			
ID17060205SL019_03	Marsh Creek - Knapp Creek to Beaver Creek	4.49	MILES
Temperature, water			
5/27/2010 (NED) - During the development of the Middle Fork Salmon River Subbasin Temperature TMDL, it was determined that this segment was water quality limited for temperature. Refer to Table 55 and 56 on pages 97 and 98 in the TMDL for temperature data.			
ID17060205SL019_04	Marsh Creek - Knapp Creek to Beaver Creek	0.83	MILES
Temperature, water			
5/27/2010 (NED) - During the development of the Middle Fork Salmon River Subbasin Temperature TMDL, it was determined that this segment was water quality limited for temperature. Refer to Table 55 and 56 on pages 97 and 98 in the TMDL for temperature data.			
ID17060205SL024_02	Marsh Creek - source to Knapp Creek	20.72	MILES
Temperature, water			
5/27/2010 (NED) - During the development of the Middle Fork Salmon River Subbasin Temperature TMDL, it was determined that the cause of the biological impairment (Combined Biota/Habitat Bioassessments) was elevated temperature. Refer to Table 55 and 56 on pages 97 and 98 in the TMDL for temperature data.			

ID17060205SL024_03	Marsh Creek - source to Knapp Creek	1.1	MILES
Temperature, water	During the development of the Middle Fork Salmon River Subbasin Temperature TMDL, it was determined that this segment was water quality limited for temperature. Refer to Table 55 and 56 on pages 97 and 98 in the TMDL for temperature data.		
ID17060205SL025_02	Knapp Creek - source to mouth	28.09	MILES
Temperature, water	5/27/2010 (NED) - During the development of the Middle Fork Salmon River Subbasin Temperature TMDL, it was determined that this segment was water quality limited for temperature. Refer to Table 55 and 56 on pages 97 and 98 in the TMDL for temperature data.		
ID17060205SL028_04	Beaver Creek - Bear Creek to mouth	5.26	MILES
Temperature, water	5/27/2010 (NED) - During the development of the Middle Fork Salmon River Subbasin Temperature TMDL, it was determined that this segment was water quality limited for temperature. Refer to Table 55 and 56 on pages 97 and 98 in the TMDL for temperature data.		
ID17060205SL030_02	Winnemucca Creek - source to mouth	12.93	MILES
Temperature, water	5/27/2010 (NED) - During the development of the Middle Fork Salmon River Subbasin Temperature TMDL, it was determined that this segment was water quality limited for temperature. Refer to Table 55 and 56 on pages 97 and 98 in the TMDL for temperature data.		
ID17060205SL030_03	Winnemucca Creek - source to mouth	3.69	MILES
Temperature, water	5/27/2010 (NED) - During the development of the Middle Fork Salmon River Subbasin Temperature TMDL, it was determined that this segment was water quality limited for temperature.		
17060206	Lower Middle Fork Salmon	TMDL Approval Date	
MIDDLE FORK SALMON RIVER TEMPERATURE TMDLS			Feb 13, 2009
ID17060206SL020_04	Camas Creek - Yellowjacket Creek to mouth	4.37	MILES
Temperature, water	5/27/2010 (NED) - During the development of the Middle Fork Salmon River Subbasin Temperature TMDL, it was determined that this segment was water quality limited for temperature.		
ID17060206SL021_04	Camas Creek - Forge Creek to Yellowjacket Creek	3.62	MILES
Temperature, water	5/27/2010 (NED) - During the development of the Middle Fork Salmon River Subbasin Temperature TMDL, it was determined that this segment was water quality limited for temperature.		
ID17060206SL022_04	Camas Creek - Duck Creek to Forge Creek	3.79	MILES
Temperature, water	5/27/2010 (NED) - During the development of the Middle Fork Salmon River Subbasin Temperature TMDL, it was determined that this segment was water quality limited for temperature.		
ID17060206SL023_04	Camas Creek - Silver Creek to Duck Creek	2.2	MILES
Temperature, water	5/27/2010 (NED) - During the development of the Middle Fork Salmon River Subbasin Temperature TMDL, it was determined that this segment was water quality limited for temperature.		
ID17060206SL025_04	Camas Creek - Castle Creek to Silver Creek	2.83	MILES
Temperature, water	5/27/2010 (NED) - During the development of the Middle Fork Salmon River Subbasin Temperature TMDL, it was determined that this segment was water quality limited for temperature.		
ID17060206SL026_04	Camas Creek - Furnance Creek to Castle Creek	2.65	MILES
Temperature, water	5/27/2010 (NED) - During the development of the Middle Fork Salmon River Subbasin Temperature TMDL, it was determined that this segment was water quality limited for temperature.		
ID17060206SL027_04	Camas Creek - White Goat Creek to Furnance Creek	1.87	MILES
Temperature, water	5/27/2010 (NED) - During the development of the Middle Fork Salmon River Subbasin Temperature TMDL, it was determined that this segment was water quality limited for temperature.		

ID17060206SL028_04	Camas Creek - South Fork Camas Creek to White Goat Creek	1.64	MILES
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Temperature, water 5/27/2010 (NED) - During the development of the Middle Fork Salmon River Subbasin Temperature TMDL, it was determined that this segment was water quality limited for temperature.

ID17060206SL030_02	Camas Creek - source to South Fork Camas Creek	47.06	MILES
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Temperature, water 5/27/2010 (NED) - During the development of the Middle Fork Salmon River Subbasin Temperature TMDL, it was determined that this segment was water quality limited for temperature.

ID17060206SL033_02	Castle Creek - source to mouth	25.48	MILES
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Temperature, water

ID17060206SL034_02	Silver Creek - source to mouth	48.1	MILES
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Temperature, water

ID17060206SL034_03	Silver Creek - source to mouth	14.59	MILES
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Temperature, water

ID17060206SL035_02	Duck Creek - source to mouth	11.03	MILES
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Temperature, water

ID17060206SL038_03	Yellowjacket Creek - Hoodoo Creek to Jenny Creek	1.56	MILES
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Temperature, water

ID17060206SL039_03	Yellowjacket Creek - Little Jacket Creek to Hoodoo Creek	0.82	MILES
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Temperature, water

ID17060206SL041_03	Yellowjacket Creek - Trail Creek to Little Jacket Creek	2.98	MILES
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Temperature, water

ID17060206SL043_02	Yellowjacket Creek - source to Trail Creek	48.52	MILES
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Temperature, water

ID17060206SL043_03	Yellowjacket Creek - source to Trail Creek	5.39	MILES
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Temperature, water

17060207	Middle Salmon-Chamberlain	TMDL Approval Date
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SALMON RIVER, MIDDLE/CHAMBERLAIN CREEK	Jan 09, 2003
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ID17060207SL067_05	Crooked Creek - Lake Creek to mouth	8.28	MILES
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Temperature, water

ID17060207SL068_02	Crooked Creek - source to unnamed tributary	41.74	MILES
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Temperature, water

ID17060207SL068_03	Crooked Creek - unnamed tributary to Big Creek	2.5	MILES
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Temperature, water

17060208	South Fork Salmon	TMDL Approval Date
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SF SALMON RIVER TEMPERATURE TMDLS (& REVISED SEDIMENT TARGETS)	Jul 03, 2012
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ID17060208SL001_06	South Fork Salmon River - East Fork Salmon River to mouth	36.73	MILES
Sedimentation/Siltation	8/6/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. The interstitial sediment deposition target for the tributaries to the South Fork Salmon River is any single mean free matrix count over 27% or a five year mean free matrix count of 17% or more. The intragravel quality target for the mainstem South Fork Salmon River is a 5 year mean fines <6.3 mm concentrations at depth of 28% or less with no more than two years between 28% and 36%. For additional information, refer to Section 1.2, Table 6 on pages 5-7.		
Temperature, water	8/3/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. Lower South Fork Salmon River carries a current heat load of 20,857,005 kWh/day with a load capacity of 15,534,200 kWh/day, equaling an excess load of 5,322,805 kWh/day-which equals a 26% load reduction. For additional information refer to Section 3.2, Table 23 on page 37, Figures 27-29 on pages 61-63 and Section 3.4, Table 29 on page 71 of the TMDL.		
ID17060208SL005_02	Secesh River - 1st and 2nd order tributaries	146.85	MILES
Temperature, water	Bull Trout temperature standard violated.		
ID17060208SL005_03	Secesh River, Grouse, and Willow Basket Creeks - 3rd order	7.1	MILES
Temperature, water	8/3/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. Grouse Creek (Secesh Watershed) carries a current heat load of 194,022kWh/day with a load capacity of 66,663 kWh/day, equaling an excess load of 127,359 kWh/day-which equals a 66% load reduction. For additional information refer to Section 3.2, Table 11 on page 25, Figures 33-35 on pages 67-69 and Section 3.4, Table 29 on page 71 of the TMDL.		
ID17060208SL009_02	Lick Creek - 1st and 2nd order	25.41	MILES
Temperature, water	8/3/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. Lick Creek carries a current heat load of 458,409 kWh/day with a load capacity of 401,304 kWh/day, equaling an excess load of 57,105 kWh/day-which equals a 12% load reduction. For additional information refer to Section 3.2, Table 15 on page 29, Figures 30-32 on pages 64-66 and Section 3.4, Table 29 on page 72 of the TMDL.		
ID17060208SL009_03	Lick Creek - 3rd order (Prince Creek to Secesh River)	6.23	MILES
Temperature, water	8/3/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. Lick Creek carries a current heat load of 458,409 kWh/day with a load capacity of 401,304 kWh/day, equaling an excess load of 57,105 kWh/day-which equals a 12% load reduction. For additional information refer to Section 3.2, Table 15 on page 29, Figures 30-32 on pages 64-66 and Section 3.4, Table 29 on page 72 of the TMDL.		
ID17060208SL010_02	SF Salmon River and tribs above EFSF - 1st and 2nd order	135.15	MILES
Temperature, water	8/3/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. Tyndall Creek carries a current heat load of 23,064 kWh/day with a load capacity of 17,667 kWh/day, equaling an excess load of 5,396 kWh/day-which equals a 23% load reduction. The Upper South Fork Salmon River carries a current heat load of 92,772 kWh/day with a load capacity of 71,228 kWh/day, equaling an excess load of 21,543 kWh/day-which equals a 23% load reduction. For additional information refer to Section 3.2, Table 19 and 26 on pages 33 and 38, Figures 15-17 on pages 49-51 and Section 3.4, Table 29 on page 72 of the TMDL.		

ID17060208SL010_03	SF Salmon River - 3rd order (Curtis Creek to Mormon Creek)	13.71	MILES
Sedimentation/Siltation	8/6/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. The interstitial sediment deposition target for the tributaries to the South Fork Salmon River is any single mean free matrix count over 27% or a five year mean free matrix count of 17% or more. The intragravel quality target for the mainstem South Fork Salmon River is a 5 year mean fines <6.3 mm concentrations at depth of 28% or less with no more than two years between 28% and 36%. For additional information, refer to Section 1.2, Table 6 on pages 5-7.		
Temperature, water	8/3/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. Upper Middle South Fork Salmon River carries a current heat load of 1,281,531 kWh/day with a load capacity of 1,115,461 kWh/day, equaling an excess load of 166,070 kWh/day-which equals a 13% load reduction. For additional information refer to Section 3.2, Table 20 on page 34, Figures 18-20 on pages 52-54 and Section 3.4, Table 29 on page 71 of the TMDL.		
ID17060208SL010_04	SF Salmon River - 4th order (Curtis Cr. to Buckhorn Cr.)	26.74	MILES
Sedimentation/Siltation	8/6/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. The interstitial sediment deposition target for the tributaries to the South Fork Salmon River is any single mean free matrix count over 27% or a five year mean free matrix count of 17% or more. The intragravel quality target for the mainstem South Fork Salmon River is a 5 year mean fines <6.3 mm concentrations at depth of 28% or less with no more than two years between 28% and 36%. For additional information, refer to Section 1.2, Table 6 on pages 5-7.		
Temperature, water	8/3/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. Middle South Fork Salmon River carries a current heat load of 5,090,972 kWh/day with a load capacity of 4,610,701 kWh/day, equaling an excess load of 480,271 kWh/day-which equals a 9% load reduction. For additional information refer to Section 3.2, Table 21 on page 35, Figures 21-23 on pages 55-57 and Section 3.4, Table 29 on page 71 of the TMDL.		
ID17060208SL010_05	South Fork Salmon River - 5th order	8.23	MILES
Sedimentation/Siltation	8/6/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. The interstitial sediment deposition target for the tributaries to the South Fork Salmon River is any single mean free matrix count over 27% or a five year mean free matrix count of 17% or more. The intragravel quality target for the mainstem South Fork Salmon River is a 5 year mean fines <6.3 mm concentrations at depth of 28% or less with no more than two years between 28% and 36%. For additional information, refer to Section 1.2, Table 6 on pages 5-7.		
Temperature, water	8/3/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. Lower Middle South Fork Salmon River carries a current heat load of 2,242,863 kWh/day with a load capacity of 2,117,666 kWh/day, equaling an excess load of 125,198 kWh/day-which equals a 6% load reduction. For additional information refer to Section 3.2, Table 22 on page 36, Figures 24-26 on pages 58-60 and Section 3.4, Table 29 on page 71 of the TMDL.		
ID17060208SL012_02	Buckhorn Creek and tributaries - 1st and 2nd order	56.32	MILES
Temperature, water	8/2/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. Buckhorn Creek carries a current heat load of 330,446 kWh/day with a load capacity of 253,694 kWh/day, equaling an excess load of 76,751 kWh/day-which equals a 23% load reduction. For additional information refer to Section 3.2, Table 8 on page 22, Figures 21-23 on pages 55-57 and Section 3.4, Table 29 on page 71 of the TMDL.		

ID17060208SL012_03	Buckhorn Creek - 3rd order	9.03	MILES
Temperature, water	8/2/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. Buckhorn Creek carries a current heat load of 330,446 kWh/day with a load capacity of 253,694 kWh/day, equaling an excess load of 76,751 kWh/day-which equals a 23% load reduction. For additional information refer to Section 3.2, Table 8 on page 22, Figures 21-23 on pages 55-57 and Section 3.4, Table 29 on page 71 of the TMDL.		
ID17060208SL012_04	Buckhorn and WF Buckhorn Creeks - 4th order	2.58	MILES
Temperature, water	8/2/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. Buckhorn Creek carries a current heat load of 330,446 kWh/day with a load capacity of 253,694 kWh/day, equaling an excess load of 76,751 kWh/day-which equals a 23% load reduction. For additional information refer to Section 3.2, Table 8 on page 22, Figures 21-23 on pages 55-57 and Section 3.4, Table 29 on page 71 of the TMDL.		
ID17060208SL012_05	Buckhorn Creek - 5th order (WF Buckhorn Creek to mouth)	0.49	MILES
Temperature, water	8/2/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. Buckhorn Creek carries a current heat load of 330,446 kWh/day with a load capacity of 253,694 kWh/day, equaling an excess load of 76,751 kWh/day-which equals a 23% load reduction. For additional information refer to Section 3.2, Table 8 on page 22, Figures 21-23 on pages 55-57 and Section 3.4, Table 29 on page 71 of the TMDL.		
ID17060208SL015_02	Dollar and NF Dollar Creeks - 1st and 2nd order	22.35	MILES
Temperature, water	8/2/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. Dollar Creek carries a current heat load of 125,807 kWh/day with a load capacity of 98,043 kWh/day, equaling an excess load of 27,764 kWh/day-which equals a 22% load reduction. For additional information refer to Section 3.2, Table 9 on page 23, Figures 18-20 on pages 52-54 and Section 3.4, Table 29 on page 72 of the TMDL.		
ID17060208SL015_03	Dollar Creek - 3rd order (NF Dollar Creek to mouth)	0.94	MILES
Temperature, water	8/2/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. Dollar Creek carries a current heat load of 125,807 kWh/day with a load capacity of 98,043 kWh/day, equaling an excess load of 27,764 kWh/day-which equals a 22% load reduction. For additional information refer to Section 3.2, Table 9 on page 23, Figures 18-20 on pages 52-54 and Section 3.4, Table 29 on page 72 of the TMDL.		
ID17060208SL018_02	Rice Creek - entire watershed	9.41	MILES
Temperature, water	8/3/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. Rice Creek carries a current heat load of 134,037 kWh/day with a load capacity of 65,377 kWh/day, equaling an excess load of 68,660 kWh/day-which equals a 51% load reduction. For additional information refer to Section 3.2, Table 17 on page 31, Figures 15-17 on pages 49-51 and Section 3.4, Table 29 on page 71 of the TMDL.		
ID17060208SL019_02	All 1st and 2nd order streams in Warm Lake Creek drainage	16.21	MILES
Temperature, water	8/24/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. Lower Warm Lake Creek carries a current heat load of 121,226 kWh/day with a load capacity of 54,062 kWh/day, equaling an excess load of 67,165 kWh/day-which equals a 55% load reduction. For additional information refer to Section 3.2, Table 27 on page 38, Figures 18-20 on pages 52-54 and Section 3.4, Table 29 on page 72 of the TMDL.		

ID17060208SL019_03	Warm Lake and Cabin Creeks - 3rd order	1.93	MILES
Temperature, water	8/24/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. Lower Warm Lake Creek carries a current heat load of 121,226 kWh/day with a load capacity of 54,062 kWh/day, equaling an excess load of 67,165 kWh/day-which equals a 55% load reduction. For additional information refer to Section 3.2, Table 28 on page 38, Figures 18-20 on pages 52-54 and Section 3.4, Table 29 on page 72 of the TMDL.		
ID17060208SL020_02	Warm Lake Creek above Warm Lake - entire watershed	6.2	MILES
Temperature, water	8/24/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. Upper Warm Lake Creek carries a current heat load of 123,625 kWh/day with a load capacity of 85,404 kWh/day, equaling an excess load of 38,221 kWh/day-which equals a 31% load reduction. For additional information refer to Section 3.2, Table 28 on page 39, Figures 18-20 on pages 52-54 and Section 3.4, Table 29 on page 72 of the TMDL.		
ID17060208SL025_02	Upper Johnson Creek and tributaries - 1st and 2nd order	70.55	MILES
Temperature, water			
ID17060208SL025_03	Johnson Creek - 3rd order	18.11	MILES
Temperature, water	8/3/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. Johnson Creek carries a current heat load of 2,593,400 kWh/day with a load capacity of 1,701,942 kWh/day, equaling an excess load of 891,458 kWh/day-which equals a 34% load reduction. For additional information refer to Section 3.2, Table 13 on page 27, Figures 9-11 on pages 43-45 and Section 3.4, Table 29 on page 71 of the TMDL.		
ID17060208SL025_04	Johnson Creek - 4th order	13.1	MILES
Temperature, water			
ID17060208SL031_02	Profile Creek and tributaries - 1st and 2nd order	21.38	MILES
Temperature, water	8/3/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. Profile Creek carries a current heat load of 153,056 kWh/day with a load capacity of 149,930 kWh/day, equaling an excess load of 3,126 kWh/day-which equals a 2% load reduction. For additional information refer to Section 3.2, Table 16 on page 30, Figures 12-14 on pages 46-48 and Section 3.4, Table 29 on page 72 of the TMDL.		
ID17060208SL031_03	Profile Creek - 3rd order (Missouri Cr. to SF Salmon River)	4.12	MILES
Temperature, water	8/3/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. Profile Creek carries a current heat load of 153,056 kWh/day with a load capacity of 149,930 kWh/day, equaling an excess load of 3,126 kWh/day-which equals a 2% load reduction. For additional information refer to Section 3.2, Table 16 on page 30, Figures 12-14 on pages 46-48 and Section 3.4, Table 29 on page 72 of the TMDL.		
ID17060208SL034_02	Elk Creek and tributaries - 1st and 2nd order	37.04	MILES
Temperature, water	8/3/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. Elk Creek carries a current heat load of 321,641 kWh/day with a load capacity of 133,280 kWh/day, equaling an excess load of 188,361 kWh/day-which equals a 59% load reduction. For additional information refer to Section 3.2, Table 10 on page 24, Figures 27-29 on pages 61-63 and Section 3.4, Table 29 on page 71 of the TMDL.		

ID17060208SL034_03	Elk Creek and West Fork Elk Creek - 3rd order sections	1.16	MILES
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Temperature, water

8/3/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. Elk Creek carries a current heat load of 321,641 kWh/day with a load capacity of 133,280 kWh/day, equaling an excess load of 188,361 kWh/day- which equals a 59% load reduction. For additional information refer to Section 3.2, Table 10 on page 24, Figures 27-29 on pages 61-63 and Section 3.4, Table 29 on page 71 of the TMDL.

ID17060208SL034_04	Elk Creek - 4th order (West Fork Elk Creek to mouth)	4.12	MILES
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Temperature, water

8/3/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. Elk Creek carries a current heat load of 321,641 kWh/day with a load capacity of 133,280 kWh/day, equaling an excess load of 188,361 kWh/day- which equals a 59% load reduction. For additional information refer to Section 3.2, Table 10 on page 24, Figures 27-29 on pages 61-63 and Section 3.4, Table 29 on page 71 of the TMDL.

17060209 Lower Salmon TMDL Approval Date

LOWER SALMON RIVER AND HELLS CANYON TRIBUTARIES TMDLS

Feb 09, 2010

ID17060209SL003_02	Cottonwood Creek - source to unnamed tributary	22.65	MILES
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Escherichia coli

ID17060209SL004_02	Billy Creek - source to mouth	5.16	MILES
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Escherichia coli

7/16/2010 (CB)-During the development of the Lower Salmon River and Hells Canyon Tributaries Subbasin Assessment and TMDL, E. coli bacteria were detected in Billy Creek, and the 30-day geometric mean was used to identify impairment during the most critical time period.

Sedimentation/Siltation

7/16/2010 (NED)-During the development of the Lower Salmon River and Hells Canyon Tributaries Subbasin Assessment and TMDL, data was collected on total suspended solids which identified sediment to be in concentrations greater than the load capacity.

ID17060209SL007_02	Rice Creek - tributaries	55.27	MILES
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Escherichia coli

Temperature, water

ID17060209SL007_03	Rice Creek - 3rd Order	8.88	MILES
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Escherichia coli

Temperature, water

ID17060209SL028_03	Allison Creek - 3rd Order	2.72	MILES
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Escherichia coli

ID17060209SL056_04	Rock Creek - 4th Order	3.73	MILES
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Escherichia coli

Sedimentation/Siltation

Temperature, water

ID17060209SL057_02	John's Creek - 1st and 2nd order tributaries	44.29	MILES
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Escherichia coli

Sedimentation/Siltation

Temperature, water

ID17060209SL057_02a	Telcher Creek - 1st & 2nd order stream segments	34.63	MILES
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Temperature, water

ID17060209SL057_03	Rock Creek - 3rd order	6.56	MILES
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Escherichia coli

Sedimentation/Siltation

Temperature, water

ID17060209SL058_02	Grave Creek - headwaters to unnamed tributary	27.44	MILES
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Escherichia coli

ID17060209SL058_03	Grave Creek - unnamed trib to Rock Creek	3.38	MILES
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Escherichia coli

ID17060209SL060_02	Deep Creek - source to unnamed tributary	28.29	MILES
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Escherichia coli

Sedimentation/Siltation

17060210 Little Salmon TMDL Approval Date

LITTLE SALMON RIVER SUBBASIN Mar 29, 2006

ID17060210SL007_04	Little Salmon River - 4th order	4.28	MILES
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Temperature, water

ID17060210SL007_05	Little Salmon River - 5th order	16.25	MILES
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Escherichia coli

Phosphorus (Total)

Temperature, water

ID17060210SL009_02a	Big Creek - lower 2nd order (rangeland)	4.38	MILES
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Escherichia coli

Phosphorus (Total)

Southwest

17050101 C. J. Strike Reservoir TMDL Approval Date

KING HILL - CJ STRIKE RESERVOIR SUBBASIN ASSESSMENT AND TMDL Jun 21, 2006

ID17050101SW001_02	CJ Strike Reservoir & Dry Creek - 1st and 2nd order	124.02	MILES
Oxygen, Dissolved			
Phosphorus (Total)			
ID17050101SW001_07	Snake River - Browns Creek to CJ Strike Reservoir	11.24	MILES
Oxygen, Dissolved			
Phosphorus (Total)			
ID17050101SW001_07L	CJ Strike Reservoir (excluding Bruneau arm)	4764.97	ACRES
Oxygen, Dissolved			
Phosphorus (Total)			
ID17050101SW005_07	Snake River - Clover Creek to Browns Creek	25	MILES
Phosphorus (Total)			
Sedimentation/Siltation			
ID17050101SW012_02	Little Canyon Creek - 1st and 2nd order	31.04	MILES
Sedimentation/Siltation			
ID17050101SW012_03	Little Canyon Creek - upper 3rd order	10.2	MILES
Sedimentation/Siltation			
ID17050101SW012_03a	Little Canyon Creek - lower 3rd order	10.9	MILES
Sedimentation/Siltation			
ID17050101SW014_03	Cold Springs Creek - 3rd order	17.27	MILES
Sedimentation/Siltation			
17050102	Bruneau	TMDL Approval Date	
BRUNEAU RIVER SUBBASIN		Mar 13, 2001	
ID17050102SW002_05	Jacks Creek-Little Jacks Ck to CJ Strike Reservoir	12.28	MILES
Escherichia coli			
Phosphorus (Total)			
Sedimentation/Siltation			
ID17050102SW008_04	Sugar Valley Wash - 4th order	5.45	MILES
Escherichia coli			
Oxygen, Dissolved			
Phosphorus (Total)			
Sedimentation/Siltation			
ID17050102SW009_06	Bruneau River - 6th order (Hot Creek to mouth)	16.93	MILES
Phosphorus (Total)			

This pollutant replaces the previously listed pollutant "unknown" and "fish bioassessments".

ID17050102SW028_04	Clover Creek - 4th order (Deadwood Creek to Buck Flat Draw)	29.62	MILES
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Escherichia coli

ID17050102SW028_05	Clover Creek (East Fork Bruneau River) - 5th order	24.74	MILES
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Escherichia coli

ID17050102SW031_02	Three Creek - 1st and 2nd order	34.9	MILES
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Sedimentation/Siltation

ID17050102SW031_03	Three Creek - 3rd order	7	MILES
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Sedimentation/Siltation

JACKS CREEK TMDL (MODIFICATION) Nov 13, 2007

ID17050102SW002_05	Jacks Creek-Little Jacks Ck to CJ Strike Reservoir	12.28	MILES
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Total Suspended Solids (TSS)

KING HILL - CJ STRIKE RESERVOIR SUBBASIN ASSESSMENT AND TMDL Jun 21, 2006

ID17050102SW001L_0L	CJ Strike Reservoir - Bruneau Arm	2052.27	ACRES
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Oxygen, Dissolved

Phosphorus (Total)

17050103 Middle Snake-Succor TMDL Approval Date

Snake River -- MIDDLE/SUCCOR CREEK Jan 05, 2004

ID17050103SW000_07	Snake River - State Line to Boise River	4.19	MILES
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Phosphorus (Total)

ID17050103SW001_07	Snake River - Marsing (RM425) to State Line	16.09	MILES
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Nutrient/Eutrophication Biological Indicators

ID17050103SW002_03	Sage Creek - 3rd order	7.55	MILES
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Escherichia coli

Sedimentation/Siltation

ID17050103SW002_04	Lower Succor Creek - 4th order (state line to mouth)	5.5	MILES
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Fecal Coliform

Sedimentation/Siltation

ID17050103SW003_02	Upper Succor Creek - 1st and 2nd order tributaries	68.42	MILES
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Sedimentation/Siltation

ID17050103SW003_03	Upper Succor Creek - 3rd order (Granite Creek to State Line)	15.72	MILES
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Sedimentation/Siltation

ID17050103SW005_03	Jump Creek - 3rd order	18.4	MILES
Sedimentation/Siltation			
ID17050103SW006_07b	Snake River - Swan Falls to Marsing (RM425)	36.21	MILES
Phosphorus (Total)			
ID17050103SW012_04	Sinker Creek - 4th order	15.75	MILES
Sedimentation/Siltation			
Temperature, water			
ID17050103SW014_03	Castle Creek - 3rd order tributaries	10.4	MILES
Sedimentation/Siltation			
ID17050103SW014_04	Castle Creek - lower 4th order (irrigated section)	9.2	MILES
Sedimentation/Siltation			
ID17050103SW014_05	Castle Creek - 5th order (Catherine Cr. to Snake River)	3.82	MILES
Sedimentation/Siltation			
SUCCOR CREEK/CASTLE CREEK WATERSHED TEMPERATURE TMDLS			Dec 11, 2007
ID17050103SW003_02	Upper Succor Creek - 1st and 2nd order tributaries	68.42	MILES
Temperature, water			
ID17050103SW003_03	Upper Succor Creek - 3rd order (Granite Creek to State Line)	15.72	MILES
Temperature, water			
ID17050103SW014_02	Castle Creek - 1st & 2nd order rangeland tributaries	163.49	MILES
Temperature, water			
ID17050103SW014_02a	Castle Creek - 1st & 2nd order forested tributaries	56.15	MILES
Temperature, water			
ID17050103SW014_03	Castle Creek - 3rd order tributaries	10.4	MILES
Temperature, water			
ID17050103SW014_04	Castle Creek - lower 4th order (irrigated section)	9.2	MILES
Temperature, water			
ID17050103SW014_04a	Castle Creek - upper 4th order (canyon section)	16.4	MILES
Temperature, water			
ID17050103SW014_05	Castle Creek - 5th order (Catherine Cr. to Snake River)	3.82	MILES
Temperature, water			
ID17050103SW020_02	South Fork Castle Creek & tributaries - 1st & 2nd order	41.8	MILES
Temperature, water			

ID17050103SW020_03	SF Castle Creek - 3rd order (Clover Cr. to NF Castle Cr.)	5.56	MILES
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Temperature, water

17050104 Upper Owyhee TMDL Approval Date

OWYHEE RIVER SUBBASIN. UPPER

Mar 12, 2003

ID17050104SW005L_0L	Juniper Basin Reservoir	241.79	ACRES
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Sedimentation/Siltation

ID17050104SW013_03	Blue Creek - 3rd order upstream of Blue Creek Reservoir	13.71	MILES
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Sedimentation/Siltation

ID17050104SW013_0L	Blue Creek Reservoir	183.88	ACRES
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Sedimentation/Siltation

ID17050104SW026_04	Deep Creek - 4th order section	15.54	MILES
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Sedimentation/Siltation

ID17050104SW026_05	Deep Creek - 5th order (Nickel Creek to mouth)	24.9	MILES
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Sedimentation/Siltation

ID17050104SW031_02	Nickel Creek & tributaries - 1st and 2nd order	76.91	MILES
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Sedimentation/Siltation

ID17050104SW031_03	Nickel, Thomas & Smith Creeks - 3rd order sections	9.71	MILES
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Sedimentation/Siltation

Macroinvertebrate data analyses showed that many of the samples collected had Plecoptera species that were moderately tolerant of fine sediment. No species were found that were intolerant of fine sediment. This data would indicate sediment is impairing the cold water aquatic life in Nickel Creek. Since the samples represented two variations in the stream's hydrograph, it is concluded that sediment is impairing cold water aquatic life throughout the summer, and this includes both water column sediment and bedload sediment. Periphyton analyses showed slight impairment of cold water aquatic life. However, there was no indication that sediment is the source of impairment. Analyses also showed there are possible chronic metal toxicity and organic enrichment.

ID17050104SW031_04	Nickel Creek - 4th order	8.21	MILES
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Sedimentation/Siltation

ID17050104SW032_02	Castle Creek - 1st and 2nd order	44.45	MILES
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Sedimentation/Siltation

ID17050104SW032_03	Castle Creek - 3rd order	6.03	MILES
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Sedimentation/Siltation

OWYHEE RIVER WATERSHED TEMPERATURE TMDLS

Jul 20, 2012

ID17050104SW023_02	Battle Creek - 1st & 2nd order	252.97	MILES
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Temperature, water

ID17050104SW023_03	Battle Creek - 3rd order	36.58	MILES
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Temperature, water

ID17050104SW023_04	Battle Creek - 4th order	29.46	MILES
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Temperature, water

ID17050104SW026_04	Deep Creek - 4th order section	15.54	MILES
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Temperature, water

8/30/2012 (HS and NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. Although the fourth order segment of Deep Creek does not have an excess load, it is still considered impaired by the thermal loads from its tributaries. It may be delisted when either a) all its tributaries meet their shade targets, or b) a thermograph demonstrates that it does not violate water quality standards. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D11 on page 76 of the TMDL.

This PNV temperature TMDL replaces the targets established with the SSTEMP model in the "Upper Owyhee River Subbasin Assessment and TMDL" approved by EPA on March 12, 2003.

ID17050104SW026_05	Deep Creek - 5th order (Nickel Creek to mouth)	24.9	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The fifth order of Deep Creek carries a current heat load of 4,477,580 kWh/day with a load capacity of 4,215,652 kWh/day, equaling an excess load of 261,928 kWh/day-which equals a 5.8% load reduction. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D12 on page 77 of the TMDL.

This PNV temperature TMDL replaces the SSTEMP model temperature TMDL in the "Upper Owyhee River Subbasin Assessment and TMDL" approved by EPA on March 12, 2003.

ID17050104SW028_02	Pole Creek - 1st and 2nd order	71.18	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The second order of Pole Creek carries a current heat load of 39,473 kWh/day with a load capacity of 22,579 kWh/day, equaling an excess load of 16,894 kWh/day-which equals a 42.8% load reduction. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D13 on page 78 of the TMDL. This PNV temperature TMDL replaces the SSTEMP model temperature TMDL in the "Upper Owyhee River Subbasin Assessment and TMDL" approved by EPA on March 12, 2003.

ID17050104SW028_03	Pole Creek - 3rd order	6.41	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The third order of Pole Creek carries a current heat load of 248,686 kWh/day with a load capacity of 241,690 kWh/day, equaling an excess load of 6,996 kWh/day-which equals a 2.8% load reduction. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D14 on page 78 of the TMDL.

This PNV temperature TMDL replaces the SSTEMP model temperature TMDL in the "Upper Owyhee River Subbasin Assessment and TMDL" approved by EPA on March 12, 2003.

ID17050104SW028_04	Pole Creek - 4th order	12.13	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The fourth order of Pole Creek carries a current heat load of 1,072,497 kWh/day with a load capacity of 1,043,736 kWh/day, equaling an excess load of 28,761 kWh/day-which equals a 2.7% load reduction. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D15 on page 79 of the TMDL.

This PNV temperature TMDL replaces the SSTEMP model temperature TMDL in the "Upper Owyhee River Subbasin Assessment and TMDL" approved by EPA on March 12, 2003.

ID17050104SW029_03	Camas Creek - 3rd order	7.3	MILES
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Temperature, water

ID17050104SW030_02	Camel Creek - 1st and 2nd order	28.57	MILES
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Temperature, water

ID17050104SW031_02	Nickel Creek & tributaries - 1st and 2nd order	76.91	MILES
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Temperature, water

ID17050104SW031_03	Nickel, Thomas & Smith Creeks - 3rd order sections	9.71	MILES
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Temperature, water

ID17050104SW031_04	Nickel Creek - 4th order	8.21	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The fourth order of Nickel Creek carries a current heat load of 398,591 kWh/day with a load capacity of 362,702 kWh/day, equaling an excess load of 35,889 kWh/day-which equals a 9.0% load reduction. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D22 on page 83 of the TMDL.

ID17050104SW032_02	Castle Creek - 1st and 2nd order	44.45	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The second order of Castle Creek carries a current heat load of 44,379 kWh/day with a load capacity of 31,702 kWh/day, equaling an excess load of 12,677 kWh/day-which equals a 28.6% load reduction. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D23 on page 83 of the TMDL.

This PNV temperature TMDL replaces the SSTEMP model temperature TMDL in the "Upper Owyhee River Subbasin Assessment and TMDL" approved by EPA on March 12, 2003.

ID17050104SW032_03	Castle Creek - 3rd order	6.03	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The third order of Castle Creek carries a current heat load of 252,737 kWh/day with a load capacity of 159,708 kWh/day, equaling an excess load of 93,029 kWh/day-which equals a 36.8% load reduction. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D23 on page 83 of the TMDL.

This PNV temperature TMDL replaces the SSTEMP model temperature TMDL in the "Upper Owyhee River Subbasin Assessment and TMDL" approved by EPA on March 12, 2003.

ID17050104SW033_03	Beaver Creek - 3rd order	3.7	MILES
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Temperature, water

ID17050104SW033_04	Beaver Creek - 4th order	2.58	MILES
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Temperature, water

ID17050104SW034_02	Red Canyon Creek - 1st and 2nd order	77.68	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The second order of Red Canyon Creek carries a current heat load of 162,613 kWh/day with a load capacity of 139,324 kWh/day, equaling an excess load of 23,289 kWh/day-which equals a 14.3% load reduction. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D28 on page 86 of the TMDL.

This PNV temperature TMDL replaces the SSTEMP model temperature TMDL in the "Upper Owyhee River Subbasin Assessment and TMDL" approved by EPA on March 12, 2003.

ID17050104SW034_03	Red Canyon Creek - 3rd order	10.1	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The third order of Red Canyon Creek carries a current heat load of 171,609 kWh/day with a load capacity of 164,713 kWh/day, equaling an excess load of 6,896 kWh/day-which equals a 4.0% load reduction. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D29 on page 87 of the TMDL.

This PNV temperature TMDL replaces the SSTEMP model temperature TMDL in the "Upper Owyhee River Subbasin Assessment and TMDL" approved by EPA on March 12, 2003.

ID17050104SW034_04	Red Canyon Creek - 4th order	2.95	MILES
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Temperature, water

8/30/12 (HS and NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. Although the fourth order of Red Canyon Creek does not have an excess load, it is still considered impaired by the thermal loads from its tributaries. It may be delisted when either a) all its tributaries meet their shade targets, or b) a thermograph demonstrates that it does not violate water quality standards. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D30 on page 87 of the TMDL.

This PNV temperature TMDL replaces the SSTEMP model temperature TMDL in the "Upper Owyhee River Subbasin Assessment and TMDL" approved by EPA on March 12, 2003.

17050105 South Fork Owyhee TMDL Approval Date

OWYHEE RIVER WATERSHED TEMPERATURE TMDLS Jul 20, 2012

ID17050105SW001_06	SF Owyhee River - Nevada border to Little Owyhee River	19.62	MILES
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Temperature, water

8/30/2012 (HS and NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. Although the sixth order of the South Fork Owyhee River does not have an excess load, it is still considered impaired by the thermal loads from its tributaries. It may be delisted when either a) all its tributaries meet their shade targets, or b) a thermograph demonstrates that it does not violate water quality standards. For additional information refer to Section 5.4, Table 7 on page 25 and Table 10 on page 28 and Appendix D, Table D31 on page 87 of the TMDL.

This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "South Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on March 2, 2000.

ID17050105SW001_07	South Fork Owyhee River - Little Owyhee River to mouth	12.79	MILES
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Temperature, water

8/30/2012 (HS and NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. Although the seventh order of the South Fork Owyhee River does not have an excess load, it is still considered impaired by the thermal loads from Nevada. It may be delisted when either a) all its Nevada tributaries meet their shade targets, or b) a thermograph (at its mouth or at the Nevada/Idaho state line) demonstrates that it does not violate water quality standards. For additional information refer to Section 5.4, Table 7 on page 25 and Table 10 on page 28 and Appendix D, Table D32 on page 88 of the TMDL.

This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "South Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on March 2, 2000.

17050107 Middle Owyhee TMDL Approval Date

OWYHEE RIVER WATERSHED TEMPERATURE TMDLS Jul 20, 2012

ID17050107SW004_02	MF Owyhee River & tributaries - 1st and 2nd order	48.04	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The second order of the Middle Fork Owyhee River carries a current heat load of 45,024 kWh/day with a load capacity of 39,197 kWh/day, equaling an excess load of 5,826 kWh/day-which equals a 12.9% load reduction. For additional information refer to Section 5.4, Table 8 on page 25 and Table 11 on page 28 and Appendix D, Table D34 on page 88 of the TMDL.

This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "North and Middle Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on February 17, 2000.

ID17050107SW004_03	Middle Fork Owyhee River - 3rd order section	4.57	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The third order of the Middle Fork Owyhee River carries a current heat load of 155,940 kWh/day with a load capacity of 154,367 kWh/day, equaling an excess load of 1,573 kWh/day-which equals a 1.0% load reduction. For additional information refer to Section 5.4, Table 8 on page 25 and Table 11 on page 28 and Appendix D, Table D35 on page 89 of the TMDL.

This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "North and Middle Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on February 17, 2000.

ID17050107SW008_02	North Fork Owyhee River - 1st and 2nd order	39.85	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The second order of the North Fork Owyhee River carries a current heat load of 89,205 kWh/day with a load capacity of 87,927 kWh/day, equaling an excess load of 1,278 kWh/day-which equals a 1.4% load reduction. For additional information refer to Section 5.4, Table 8 on page 25 and Table 11 on page 28 and Appendix D, Table D36 on page 89 of the TMDL.

This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "North and Middle Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on February 17, 2000.

ID17050107SW008_03	North Fork Owyhee River - 3rd order section	6.52	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The third order of the North Fork Owyhee River carries a current heat load of 181,485 kWh/day with a load capacity of 168,304 kWh/day, equaling an excess load of 13,181 kWh/day-which equals a 7.3% load reduction. For additional information refer to Section 5.4, Table 8 on page 25 and Table 11 on page 28 and Appendix D, Table D37 on page 89 of the TMDL.

This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "North and Middle Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on February 17, 2000.

ID17050107SW008_04	NF Owyhee River & Juniper Creek - 4th order	2.33	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The fourth order of the North Fork Owyhee River carries a current heat load of 99,471 kWh/day with a load capacity of 92,766 kWh/day, equaling an excess load of 6,705 kWh/day-which equals a 6.7% load reduction. For additional information refer to Section 5.4, Table 8 on page 25 and Table 11 on page 28 and Appendix D, Table D38 on page 90 of the TMDL.

This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "North and Middle Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on February 17, 2000.

ID17050107SW008_05	NF Owyhee River - 5th order (Juniper Creek to State Line)	6.38	MILES
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Temperature, water

8/30/2012 (HS and NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. Although the fifth order of the North Fork Owyhee River does not require a load, it is still considered impaired by the thermal loads from its tributaries. It may be delisted when either a) all its tributaries meet their shade targets, or b) a thermograph demonstrates that it does not violate water quality standards. For additional information refer to Section 5.4, Table 8 on page 25 and Table 11 on page 28 and Appendix D, Table D39 on page 90 of the TMDL.

This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "North and Middle Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on February 17, 2000.

ID17050107SW009_02	Pleasant Valley Cr. & Tribs - 1st & 2nd order	37.73	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The second order of Pleasant Valley Creek carries a current heat load of 128,653 kWh/day with a load capacity of 98,610 kWh/day, equaling an excess load of 30,043 kWh/day-which equals a 23.4% load reduction. For additional information refer to Section 5.4, Table 8 on page 25 and Table 11 on page 28 and Appendix D, Table D40 on page 91 of the TMDL.

This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "North and Middle Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on February 17, 2000.

ID17050107SW009_03	Pleasant Valley Creek - 3rd order section	5.67	MILES
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Temperature, water

8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The third order of Pleasant Valley Creek carries a current heat load of 233,125 kWh/day with a load capacity of 219,557 kWh/day, equaling an excess load of 13,568 kWh/day-which equals a 5.8% load reduction. For additional information refer to Section 5.4, Table 8 on page 25 and Table 11 on page 28 and Appendix D, Table D41 on page 92 of the TMDL.

This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "North and Middle Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on February 17, 2000.

ID17050107SW010_02	Noon Creek - entire watershed	23.96	MILES
Temperature, water			
<p data-bbox="529 228 1471 352">8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. Noon Creek carries a current heat load of 100,338 kWh/day with a load capacity of 98,429 kWh/day, equaling an excess load of 1,909 kWh/day-which equals a 1.9% load reduction. For additional information refer to Section 5.4, Table 8 on page 25 and Table 11 on page 28 and Appendix D, Table D42 on page 93 of the TMDL.</p> <p data-bbox="529 375 1446 449">This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "North and Middle Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on February 17, 2000.</p>			
ID17050107SW011_02	Cabin & Corral Creeks & tributaries - 1st & 2nd order	36.08	MILES
Temperature, water			
<p data-bbox="529 583 1471 732">8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The second order of Cabin and Corral Creek headwaters carry a current heat load of 177,268 kWh/day with a load capacity of 141,365 kWh/day, equaling an excess load of 35,903 kWh/day-which equals a 20.2% load reduction. For additional information refer to Section 5.4, Table 8 on page 25 and Table 11 on page 28 and Appendix D, Table D43 on page 94 of the TMDL.</p> <p data-bbox="529 756 1446 829">This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "North and Middle Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on February 17, 2000.</p>			
ID17050107SW011_03	Cabin & Corral Creeks - 3rd order sections	2.6	MILES
Temperature, water			
<p data-bbox="529 963 1471 1113">8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The third order of Cabin and Corral Creek headwaters carry a current heat load of 57,548 kWh/day with a load capacity of 52,964 kWh/day, equaling an excess load of 4,583 kWh/day-which equals a 8.0% load reduction. For additional information refer to Section 5.4, Table 8 on page 25 and Table 11 on page 28 and Appendix D, Table D44 on page 95 of the TMDL.</p> <p data-bbox="529 1136 1446 1209">This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "North and Middle Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on February 17, 2000.</p>			
ID17050107SW012_02	Juniper Creek & tributaries - 1st & 2nd order	24.46	MILES
Temperature, water			
<p data-bbox="529 1344 1471 1467">8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The second order of Juniper Creek carries a current heat load of 19,855 kWh/day with a load capacity of 16,240 kWh/day, equaling an excess load of 3,614 kWh/day-which equals an 18.2% load reduction. For additional information refer to Section 5.4, Table 8 on page 25 and Table 11 on page 28 and Appendix D, Table D45 on page 95 of the TMDL.</p> <p data-bbox="529 1491 1446 1564">This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "North and Middle Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on February 17, 2000.</p>			
ID17050107SW012_03	Juniper Creek - 3rd order section	6.86	MILES
Temperature, water			
<p data-bbox="529 1698 1471 1822">8/27/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The third order of Juniper Creek carries a current heat load of 160,770 kWh/day with a load capacity of 141,810 kWh/day, equaling an excess load of 18,960 kWh/day-which equals an 11.8% load reduction. For additional information refer to Section 5.4, Table 8 on page 25 and Table 11 on page 28 and Appendix D, Table D46 on page 96 of the TMDL.</p> <p data-bbox="529 1845 1446 1919">This PNV temperature TMDL replaces the mass-energy balance temperature TMDL in the "North and Middle Fork Owyhee River Subbasin Assessment and TMDL" approved by EPA on February 17, 2000.</p>			

JORDAN CREEK SUBBASIN TMDLS**Apr 13, 2011**

ID17050108SW001_05	Jordan Creek - Williams Creek to State Line	13.35	MILES
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Temperature, water

From the Jordan Creek TMDL, page xxx:

"Temperature data for the lower Jordan Creek segments shows exceedance of both the maximum daily average temperature and the maximum daily maximum temperature. A Potential Natural Vegetation Temperature TMDL will be completed."

ID17050108SW004_02	Upper Jordan Creek - 1st and 2nd order tributaries	102.32	MILES
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Temperature, water

(HS) - From the Jordan Creek TMDL: "Temperature data provided by BLM showed one site with continuous temperature data that exceeded the maximum daily maximum temperature of 22 degrees C on 22% of the dates. A Potential Natural Vegetation Temperature TMDL will be completed."

ID17050108SW004_03	Jordan Creek - 3rd order (Jacobs Gulch to Louse Creek)	13.41	MILES
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Temperature, water

Temperature data provided by BLM showed one site with continuous temperature data that exceeded the maximum daily maximum temperature of 22 degrees C on 22% of the dates. A Potential Natural Vegetation Temperature TMDL has been completed.

ID17050108SW004_04	Jordan Creek - 4th order (Louse Creek to Big Boulder Creek)	5.65	MILES
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Temperature, water

ID17050108SW004_05	Jordan Creek - Big Boulder Creek to Williams Creek	3.38	MILES
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Temperature, water

ID17050108SW013_02	Rock Creek above Triangle Reservoir - 1st and 2nd order	63.93	MILES
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Temperature, water

ID17050108SW013_03	Rock Creek above Triangle Reservoir - 3rd order	12.51	MILES
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Temperature, water

Temperature standards are exceeded based on temperature data supplied to DEQ by BLM. In 2004, BLM temperature data indicated 32% of the dates exceeded the 22° C maximum daily maximum temperature (MDMT) criteria, and 22% exceeded the 19° C maximum daily average temperature criteria (MDAT).

ID17050108SW014_02	Louisa Creek - entire drainage	13.82	MILES
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Temperature, water

ID17050108SW015_02	Spring and Meadow Creeks - 1st and 2nd order	48.87	MILES
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Temperature, water

ID17050108SW015_03	Spring and Meadow Creeks - 3rd order sections	8.09	MILES
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Temperature, water

ID17050108SW021_02	Cow Creek - 1st and 2nd order	55.15	MILES
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Temperature, water

ID17050108SW021_03	Cow Creek - 3rd order (Wildcat Canyon to Soda Creek)	3.41	MILES
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Temperature, water

ID17050108SW022_02	Soda, Swisher and Chimney Creeks - 1st and 2nd order	36.92	MILES
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Sedimentation/Siltation

Temperature, water (HS) - The Jordan Creek TMDL, page xxii, says Soda Creek is 'unlisted but impaired' by temperature. The data source is a BLM temperature logger (page xxv).

ID17050108SW022_03	Soda Creek - 3rd order section	3.09	MILES
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Sedimentation/Siltation

Temperature, water (HS) - The Jordan Creek TMDL, page xxii, says Soda Creek is 'unlisted but impaired' by temperature. The data source is a BLM temperature logger (page xxv).

17050112 Boise-Mores TMDL Approval Date

BOISE-MORES CREEK TMDLS

Feb 18, 2010

ID17050112SW001L_0La	Lucky Peak Lake - Robie Creek Swim Beach area	13	ACRES
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Escherichia coli

ID17050112SW009_02	Mores Creek - 1st and 2nd order	133.19	MILES
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Sedimentation/Siltation

Temperature, water

ID17050112SW009_03	Mores Creek - 3rd order (Hayfork Creek to Elk Creek)	12.31	MILES
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Sedimentation/Siltation

Temperature, water

ID17050112SW009_04	Mores Creek - 4th order (Elk Creek to Grimes Creek)	8.84	MILES
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Sedimentation/Siltation

Temperature, water

ID17050112SW009_06	Mores Creek - 6th order (Grimes Creek to mouth)	9.35	MILES
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Sedimentation/Siltation

Temperature, water

ID17050112SW011_03	Thorn Creek - 3rd order (NF Thorn Creek to mouth)	4.98	MILES
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Temperature, water

ID17050112SW013_02	Grimes Creek - 1st and 2nd order	154.23	MILES
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Temperature, water

ID17050112SW013_03	Grimes, Clear and Smith Creeks - 3rd order sections	8.55	MILES
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Temperature, water

ID17050112SW013_04	Grimes Creek - 4th order (Clear Creek to Granite Creek)	9.54	MILES
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Sedimentation/Siltation

Temperature, water

ID17050112SW013_05	Grimes Creek - 5th order (Granite Creek to mouth)	14.65	MILES
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Sedimentation/Siltation

Temperature, water

ID17050112SW015_02	Macks Creek - 1st and 2nd order	17.81	MILES
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Temperature, water

17050113 South Fork Boise TMDL Approval Date

SOUTH FORK BOISE RIVER TEMPERATURE TMDLS Mar 25, 2009

ID17050113SW010_05	Lime Creek - 5th order	4.07	MILES
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Temperature, water

ID17050113SW032_02	Smith Creek and tributaries - 1st and 2nd order	47.39	MILES
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Temperature, water

ID17050113SW032_03	Smith Creek - 3rd order (Mule Gulch to SF Boise River)	16.47	MILES
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Temperature, water

17050114 Lower Boise TMDL Approval Date

BOISE RIVER, LOWER Jan 25, 2000

ID17050114SW001_06	Boise River - Indian Creek to mouth	44.61	MILES
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Fecal Coliform

Sedimentation/Siltation

ID17050114SW005_06	Boise River - Veterans Memorial Parkway to Star Bridge	38.17	MILES
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Fecal Coliform

Sedimentation/Siltation

ID17050114SW005_06a	Boise River-Star to Middleton	11.34	MILES
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Fecal Coliform

Sedimentation/Siltation

ID17050114SW005_06b	Boise River-Middleton to Indian Creek	7.88	MILES
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Fecal Coliform

Sedimentation/Siltation

LAKE LOWELL TMDL (ADDENDUM TO LOWER BOISE RIVER SUBBASIN) Dec 06, 2010

ID17050114SW004_06	Lake Lowell	6059.2	ACRES
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Phosphorus (Total)

LOWER BOISE RIVER SEDIMENT AND BACTERIA TMDLS ADDENDUM Jun 03, 2008

ID17050114SW001_06	Boise River - Indian Creek to mouth	44.61	MILES
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Fecal Coliform

Sedimentation/Siltation

ID17050114SW005_06	Boise River - Veterans Memorial Parkway to Star Bridge	38.17	MILES
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Fecal Coliform

Sedimentation/Siltation

17050115 Middle Snake-Payette TMDL Approval Date

Snake River -- HELLS CANYON TMDL Mar 01, 2004

ID17050115SW001_08	Snake River - Boise River to Weiser River	71.93	MILES
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Oxygen, Dissolved

Snake River HELLS CANYON TMDL Sep 09, 2004

ID17050115SW001_08	Snake River - Boise River to Weiser River	71.93	MILES
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Phosphorus (Total)

(HS) - Phosphorus was measured by the USGS at the Snake River near Adrian and Nyssa throughout 2009. Snake River TP concentrations were 0.08 and 0.12 mg/L at Adrian and Nyssa, respectively, both of which exceed the TMDL target of 0.07mg/L.

Sedimentation/Siltation

Temperature, water

17050121 Middle Fork Payette TMDL Approval Date

MIDDLE FORK PAYETTE RIVER TEMPERATURE TMDLS Dec 04, 2007

ID17050121SW001_04	Lower MF Payette River - 4th order	13.19	MILES
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Temperature, water

ID17050121SW005_03	Upper MF Payette River - 3rd order	13.16	MILES
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Temperature, water

ID17050121SW005_04	Upper MF Payette River - 4th order	8.52	MILES
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Temperature, water

ID17050121SW007_02	Silver Creek - 1st and 2nd order	23.9	MILES
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Temperature, water

(HS) - Temperature impairment discovered during MF Payette PNV TMDL. Fairly mild impairment.

PAYETTE RIVER, MIDDLE FORK Jul 18, 2000

ID17050121SW001_04	Lower MF Payette River - 4th order	13.19	MILES
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Sedimentation/Siltation

17050122 Payette TMDL Approval Date

BIG WILLOW TEMPERATURE TMDLS Jul 01, 2008

ID17050122SW017_02	Big Willow Creek - 1st and 2nd order	164.74	MILES
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Temperature, water

ID17050122SW017_03	Big Willow Creek and Dry Creek - 3rd order sections	15.82	MILES
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Temperature, water

ID17050122SW017_04	Big Willow Creek - 4th order (Dry Creek to Payette Ditch)	13.31	MILES
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Temperature, water

ID17050122SW017_06	Big Willow Creek - 6th order (Payette Ditch, Birding Island)	15.67	MILES
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Temperature, water

BISSEL CREEK **Oct 24, 2003**

ID17050122SW015_03a	Bissel Creek - lower 3rd order	3.94	MILES
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Escherichia coli

Sedimentation/Siltation

PAYETTE RIVER. LOWER **May 31, 2000**

ID17050122SW001_06	Payette River - Black Canyon Reservoir Dam to mouth	66.84	MILES
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Escherichia coli

17050123 **North Fork Payette** **TMDL Approval Date**

CASCADE RESERVOIR -- PART I **May 13, 1996**

ID17050123SW007_02	West Mountain tributaries to Cascade Reservoir	60.5	MILES
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Phosphorus (Total)

ID17050123SW008_05	Gold Fork - upper 5th order, above Gold Fork Ditch	2.61	MILES
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Phosphorus (Total)

ID17050123SW011_02	Boulder/Willow Creek - 1st and 2nd order irrigated sections	18.42	MILES
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Phosphorus (Total)

ID17050123SW011_03	Boulder Creek - 3rd order (Louie Creek to mouth)	11.55	MILES
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Phosphorus (Total)

ID17050123SW015_02	Mud Creek - 1st and 2nd order	25.62	MILES
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Phosphorus (Total)

ID17050123SW015_03	Mud Creek - 3rd order (Norwood to Reservoir)	7.15	MILES
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Phosphorus (Total)

CASCADE RESERVOIR -- PART II **Apr 19, 1999**

ID17050123SW007_05	Gold Fork, 5th order, between high and low water lines	1.13	MILES
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pH

Phosphorus (Total)

ID17050123SW007L_0L	Cascade Reservoir	25039.52	ACRES
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pH

Phosphorus (Total)

ID17050123SW008_05a	Gold Fork - lower 5th order, below Gold Fork Ditch	4	MILES
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Phosphorus (Total)

CASCADE RESERVOIR TRIBUTARY TMDLS

Feb 22, 2012

ID17050123SW008_05a	Gold Fork - lower 5th order, below Gold Fork Ditch	4	MILES
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Sedimentation/Siltation

3/7/2012 (NED) - During the development of the Cascade Reservoir Tributary TMDL Addendum, approved February 22, 2012, it was determined that while the 5th order segment of Gold Fork River was not on the 303(d) list it was not supporting its cold water aquatic life beneficial use and therefore load allocations were developed for sediment. In order to achieve the average annual load capacity of 0.56 tons/day, the existing load of 0.95 tons/day will need to be reduced by an average annual load of 0.446 tons/day---which equals a 47% reduction. In order to account for seasonal variations, the load allocations vary-0.139 for January-March, 1.468 for April-June, 0.264 for July-September and 0.146 for October-December. For additional information refer to Section 5.5 and Table 7 on page 17 in the TMDL.

ID17050123SW011_03	Boulder Creek - 3rd order (Louie Creek to mouth)	11.55	MILES
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Sedimentation/Siltation

ID17050123SW015_02	Mud Creek - 1st and 2nd order	25.62	MILES
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Sedimentation/Siltation

ID17050123SW015_03	Mud Creek - 3rd order (Norwood to Reservoir)	7.15	MILES
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Sedimentation/Siltation

NORTH FORK PAYETTE RIVER SUBBASIN TMDL

Aug 17, 2005

ID17050123SW001_06	North Fork Payette River - Cascade to Smiths Ferry	23.23	MILES
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Sedimentation/Siltation

ID17050123SW002_02	Round Valley Creek - 1st and 2nd order	30.31	MILES
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Sedimentation/Siltation

ID17050123SW002_03	Round Valley Creek - 3rd order	2.4	MILES
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Sedimentation/Siltation

ID17050123SW003_02	Clear Creek - 1st and 2nd order tributaries	47.56	MILES
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Sedimentation/Siltation

ID17050123SW003_03	Clear Creek - upper 3rd order	9.57	MILES
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Sedimentation/Siltation

ID17050123SW003_03a	Clear Creek - lower 3rd order	3.7	MILES
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Sedimentation/Siltation

ID17050123SW004_03a	Big Creek - lower 3rd order (Horsethief Creek to mouth)	5.61	MILES
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Sedimentation/Siltation

ID17050123SW004_06	Big Creek - NF Payette River side channel	3.15	MILES
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Sedimentation/Siltation

ID17050123SW017_02a	Payette Lake - Eastside tribs, inc.Lemah & parts of Fall Cr.	22.57	MILES
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Temperature, water

ID17050123SW017_03	Fall Creek - 3rd order	2.5	MILES
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Temperature, water

ID17050123SW018_02	North Fork Payette River - 1st and 2nd order	37.22	MILES
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Temperature, water

17050124	Weiser	TMDL Approval Date
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WEISER RIVER WATERSHED SUBBASIN TMDL

Jan 19, 2007

ID17050124SW001_05	Weiser River - Keithly Cr. to Crane Cr.	20.74	MILES
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Sedimentation/Siltation

Temperature, water

ID17050124SW001_06	Weiser River - Crane Creek to Galloway Dam	4.66	MILES
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Sedimentation/Siltation

The Weiser River TMDL was approved in December 2007.

Temperature, water

ID17050124SW001_06a	Weiser River - Galloway Dam to Snake River	16.99	MILES
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Escherichia coli

Sedimentation/Siltation

Temperature, water

ID17050124SW003_05	Crane Creek - Crane Creek Reservoir Dam to mouth	17.19	MILES
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Fecal Coliform

Sedimentation/Siltation

Temperature, water

ID17050124SW004_04	North Crane Creek -500m segment above reservoir (very small)	0.26	MILES
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Temperature, water

ID17050124SW005_02	South Crane & Tennison Creeks - 1st and 2nd order	51.89	MILES
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Temperature, water

ID17050124SW005_03	South Crane Creek - 3rd order	7.2	MILES
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Temperature, water

ID17050124SW005_04	South Crane Creek - 4th order	2.44	MILES
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Temperature, water

ID17050124SW006_02	North Crane Creek watershed - all 1st and 2nd order streams	185.96	MILES
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Temperature, water

ID17050124SW006_03	North Crane Creek - 3rd order	14.49	MILES
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Temperature, water

ID17050124SW006_04	North Crane Creek - (Middle Creek to Reservoir)	5.84	MILES
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Temperature, water

ID17050124SW007_05	Weiser River - Hornet Creek to Little Weiser River	24.36	MILES
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Temperature, water

ID17050124SW007_05a	Weiser River - Little Weiser River to Keithly Creek	7.38	MILES
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Sedimentation/Siltation

Temperature, water

ID17050124SW008_03	Little Weiser River - lower 3rd order (rangeland)	17.19	MILES
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Escherichia coli

ID17050124SW008_04	Little Weiser River - Grays Creek to mouth	20.42	MILES
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Escherichia coli

Sedimentation/Siltation

Temperature, water

17050201 Brownlee Reservoir TMDL Approval Date

BROWNLEE RESERVOIR -- WEISER FLAT Sep 30, 2003

ID17050201SW005_02	Jenkins Creek - entire watershed	22.74	MILES
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Phosphorus (Total)

Sedimentation/Siltation

ID17050201SW006_02	Scott Creek - 2nd order	15.53	MILES
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Phosphorus (Total)

Sedimentation/Siltation

ID17050201SW006_03	Scott Creek - 3rd order	14.39	MILES
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Phosphorus (Total)

Sedimentation/Siltation

ID17050201SW007_02	Warm Springs Creek - 1st and 2nd order	32.62	MILES
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Phosphorus (Total)

Sedimentation/Siltation

ID17050201SW007_03	Warm Springs Creek - 3rd order	5.3	MILES
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Phosphorus (Total)

Sedimentation/Siltation

ID17050201SW008_02	Hog Creek - 1st & 2nd order	34.41	MILES
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Phosphorus (Total)

ID17050201SW008_03	Hog Creek - 3rd order section	2.9	MILES
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Phosphorus (Total)

ID17050201SW012_02	Dennett Creek - 1st & 2nd order	16.39	MILES
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Sedimentation/Siltation

SNAKE RIVER -- HELLS CANYON TMDL **Mar 01, 2004**

ID17050201SW001_08	Snake River - Hells Canyon Reservoir	2510.21	ACRES
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Dissolved Gas Supersaturation

ID17050201SW002_08	Snake River - Oxbow Reservoir	1106.23	ACRES
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Dissolved Gas Supersaturation

Phosphorus (Total) Previously listed for "Nutrients".

ID17050201SW003_08	Lower Brownlee Reservoir (Porters Flat to Brownlee Dam)	13193.87	ACRES
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Oxygen, Dissolved

Phosphorus (Total) Previously listed for nutrients

ID17050201SW004_08	Upper Brownlee Reservoir (Weiser to Porters Flat)	1081.27	ACRES
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Oxygen, Dissolved

Phosphorus (Total) Previously listed for nutrients.

SNAKE RIVER HELLS CANYON TMDL **Sep 09, 2004**

ID17050201SW001_08	Snake River - Hells Canyon Reservoir	2510.21	ACRES
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Temperature, water

ID17050201SW002_08	Snake River - Oxbow Reservoir	1106.23	ACRES
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Phosphorus (Total) Previously listed for "Nutrients".

Sedimentation/Siltation

Temperature, water

ID17050201SW003_08	Lower Brownlee Reservoir (Porters Flat to Brownlee Dam)	13193.87	ACRES
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Sedimentation/Siltation

Temperature, water

ID17050201SW004_08	Upper Brownlee Reservoir (Weiser to Porters Flat)	1081.27	ACRES
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Sedimentation/Siltation

Temperature, water

WILDHORSE RIVER TMDL

Oct 01, 2007

ID17050201SW015_02	Wildhorse River - 1st and 2nd order, including Crooked River	73.79	MILES
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Temperature, water

ID17050201SW015_04	Wildhorse River - 4th order (Bear Creek to mouth)	13.72	MILES
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Temperature, water

ID17050201SW016_02	Bear Creek - 1st and 2nd order	86.6	MILES
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Temperature, water

ID17050201SW016_03	Lick and Deer Creeks - 3rd order sections	4.73	MILES
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Temperature, water

ID17050201SW016_04	Lick and Bear Creeks - 4th order sections	7.41	MILES
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Temperature, water

Upper Snake

17040104

Palisades

TMDL Approval Date

FALL CREEK WATERSHED TMDL

Apr 08, 2004

ID17040104SK006_02	Fall Creek - source to South Fork Fall Creek	72.62	MILES
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Sedimentation/Siltation

ID17040104SK006_04	Fall Creek - source to South Fork Fall Creek	7.23	MILES
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Sedimentation/Siltation

Temperature, water

PALISADES

Feb 20, 2001

ID17040104SK002_02	Antelope Creek - source to mouth	70.5	MILES
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Sedimentation/Siltation

ID17040104SK002_03	Antelope Creek - source to mouth	6.04	MILES
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Sedimentation/Siltation

ID17040104SK006_02	Fall Creek - source to South Fork Fall Creek	72.62	MILES
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Temperature, water

ID17040104SK006_03	Fall Creek - source to South Fork Fall Creek	5.01	MILES
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Sedimentation/Siltation

Temperature, water

ID17040104SK011_04	Bear Creek - North Fork Bear Creek to Palisades Reservoir	5.35	MILES
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Sedimentation/Siltation

ID17040104SK013_02	Bear Creek - source to North Fork Bear Creek	54.71	MILES
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Sedimentation/Siltation

ID17040104SK013_03	Bear Creek - source to North Fork Bear Creek	6.75	MILES
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Sedimentation/Siltation

17040201 Idaho Falls TMDL Approval Date

BIRCH CREEK (IDAHO FALLS SUBBASIN) TMDL Nov 22, 2004

ID17040201SK008_02	Birch Creek - source to mouth	29.33	MILES
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Sedimentation/Siltation 01/07/2010 (NED) - TMDL determined that the cause of the biological impairment was sediment due to bank erosion.

ID17040201SK008_03	Birch Creek - source to mouth	6.22	MILES
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Sedimentation/Siltation 01/07/2010 (NED) - TMDL determined that the cause of the biological impairment was sediment due to bank erosion.

17040202 Upper Henrys TMDL Approval Date

UPPER AND LOWER HENRY FORK TMDLS Aug 17, 2010

ID17040202SK002_04	Warm River - Warm River Spring to mouth	8.74	MILES
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Temperature, water

ID17040202SK002_05	Warm River - Warm River Spring to mouth	0.57	MILES
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Temperature, water

ID17040202SK005_02	Warm River - source to Warm River Spring	70.3	MILES
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Temperature, water

ID17040202SK005_03	Warm River - source to Warm River Spring	17.47	MILES
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Temperature, water

ID17040202SK005_04	Warm River - source to Warm River Spring	7.49	MILES
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Temperature, water

ID17040202SK018_03	Buffalo River - source to Elk Creek	7.27	MILES
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Sedimentation/Siltation

ID17040202SK033_02	Howard Creek - source to mouth	15.23	MILES
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Temperature, water

ID17040202SK034_02	Targhee Creek - source to mouth	28.83	MILES
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Temperature, water

ID17040202SK034_03	Targhee Creek - source to mouth	9.38	MILES
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Temperature, water

ID17040202SK035_02	Timber Creek - source to mouth	16.98	MILES
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Temperature, water

ID17040202SK035_03	Timber Creek - source to mouth	3.37	MILES
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Temperature, water

ID17040202SK036_03	Duck Creek - source to mouth	4.79	MILES
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Sedimentation/Siltation

Temperature, water

MDMT = 22.9 degrees C; high levels of warm water taxa in macroinvertebrates

ID17040202SK045_03	Sheridan Creek - Kilgore Road (T13N, R41E, Sec. 07) to mouth	18.65	MILES
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Sedimentation/Siltation

17040203 Lower Henrys TMDL Approval Date

UPPER AND LOWER HENRY FORK TMDLS Aug 17, 2010

ID17040203SK007_02	Conant Creek - Idaho/Wyoming border to mouth	45.26	MILES
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Escherichia coli

ID17040203SK007_03	Conant Creek - Idaho/Wyoming border to mouth	19.42	MILES
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Escherichia coli

12/13/2010 (NED) - E.coli data collected in Conant Creek, showed a geometric mean of 131 col/100 mL, which exceeds the average monthly limit of the the geometric mean of 126 col/100 mL.

17040204 Teton TMDL Approval Date

TETON RIVER SUBBASIN Feb 24, 2003

ID17040204SK002_05	North Fork Teton River - Teton River Forks to Henrys Fork	17	MILES
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Sedimentation/Siltation

ID17040204SK014_04	Teton River - Felt Dam outlet to Milk Creek	1.66	MILES
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Nitrogen, Nitrate

Phosphorus (Total)

Sedimentation/Siltation

ID17040204SK015_04	Teton River - Felt Dam pool	4.12	MILES
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Nitrogen, Nitrate

Phosphorus (Total)

Sedimentation/Siltation

ID17040204SK016_04	Teton River - Highway 33 bridge to Felt Dam pool	3.26	MILES
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Nitrogen, Nitrate

Phosphorus (Total)

Sedimentation/Siltation

ID17040204SK017_04	Teton River	13.92	MILES
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Sedimentation/Siltation

ID17040204SK018_03	Packsaddle Creek-diversion (NE ¼ Sec. 8, T5N, R44E) to mouth	4.45	MILES
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Sedimentation/Siltation

ID17040204SK019_02	Packsaddle Creek	14.58	MILES
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Sedimentation/Siltation

ID17040204SK020_04	Teton River	13.72	MILES
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Sedimentation/Siltation

ID17040204SK025_02	Mahogany Creek	7.01	MILES
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Sedimentation/Siltation

ID17040204SK026_02	Teton River - Trail Creek to Teton Creek	22.34	MILES
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Sedimentation/Siltation

ID17040204SK041_02	Fox Creek	7.98	MILES
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Sedimentation/Siltation

ID17040204SK044_02	Darby Creek - SW ¼, SE ¼, S10, T4N, R45E, to mouth	4.13	MILES
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Sedimentation/Siltation

ID17040204SK045_02	Darby Creek	9.28	MILES
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Sedimentation/Siltation

ID17040204SK052_03	South Leigh Creek - SE ¼, NE ¼, Sec. 1 T5N, R44E to mouth	1.8	MILES
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Sedimentation/Siltation

ID17040204SK054_03	Spring Creek - North Leigh Creek to mouth	13.18	MILES
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Sedimentation/Siltation

ID17040204SK056_03	Spring Creek - source to North Leigh Creek, including spring	1.44	MILES
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Sedimentation/Siltation

ID17040204SK057_03	Badger Creek-spring (NW ¼, SW ¼, Sec. 26 T7N, R44E) to mouth	4.69	MILES
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Sedimentation/Siltation

TETON RIVER TMDL

Sep 26, 2003

ID17040204SK002_05	North Fork Teton River - Teton River Forks to Henrys Fork	17	MILES
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Phosphorus (Total)

ID17040204SK003_05	Teton River - Teton Dam to Teton River Forks	20.77	MILES
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Phosphorus (Total)

ID17040204SK005_04	Moody Creek - confluence of North and South Fork Moody Creek	19.57	MILES
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Phosphorus (Total)

ID17040204SK025_02	Mahogany Creek	7.01	MILES
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Temperature, water

ID17040204SK026_02	Teton River - Trail Creek to Teton Creek	22.34	MILES
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Temperature, water

ID17040204SK026_04	Teton River - Trail Creek to Teton Creek	6.46	MILES
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Sedimentation/Siltation

ID17040204SK053_03	South Leigh Creek	9.7	MILES
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Sedimentation/Siltation

ID17040204SK054_03	Spring Creek - North Leigh Creek to mouth	13.18	MILES
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Temperature, water

ID17040204SK056_02	Spring Creek - source to North Leigh Creek, including spring	24.2	MILES
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Temperature, water

ID17040204SK056_03	Spring Creek - source to North Leigh Creek, including spring	1.44	MILES
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Temperature, water

ID17040204SK058_03	Badger Creek	6.05	MILES
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Sedimentation/Siltation

17040205	Willow	TMDL Approval Date	
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WILLOW CREEK TMDL

Jun 30, 2004

ID17040205SK004_05	Willow Creek - Bulls Fork to Ririe Reservoir	2.99	MILES
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Nutrient/Eutrophication Biological Indicators

Sedimentation/Siltation

Temperature, water

ID17040205SK005_02	Willow Creek - Birch Creek to Bulls Fork	57.43	MILES
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Temperature, water

ID17040205SK005_04	Willow Creek - Birch Creek to Bulls Fork	2.47	MILES
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Nutrient/Eutrophication Biological Indicators

ID17040205SK005_05	Willow Creek - Birch Creek to Bulls Fork	13.52	MILES
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Temperature, water

ID17040205SK008_04	Willow Creek - Mud Creek to Birch Creek	9.2	MILES
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Nutrient/Eutrophication Biological Indicators

ID17040205SK010_02	Sellars Creek - source to mouth	16.76	MILES
Sedimentation/Siltation			
Temperature, water			
ID17040205SK010_03	Sellars Creek - source to mouth	4.24	MILES
Sedimentation/Siltation			
Temperature, water			
ID17040205SK011_02	Willow Creek - Crane Creek to Mud Creek	23.25	MILES
Sedimentation/Siltation			
ID17040205SK011_04	Willow Creek - Crane Creek to Mud Creek	8.4	MILES
Nutrient/Eutrophication Biological Indicators			
Sedimentation/Siltation			
Temperature, water			
ID17040205SK012_02	Mill Creek - source to mouth	13.64	MILES
Sedimentation/Siltation			
Temperature, water			
ID17040205SK012_03	Mill Creek - source to mouth	3.3	MILES
Sedimentation/Siltation			
Temperature, water			
ID17040205SK013_02	Willow Creek - source to Crane Creek	37.33	MILES
Phosphorus (Total)			
Sedimentation/Siltation			
Temperature, water			
1/04/2010 - Added by EPA in January 2001. NED			
ID17040205SK013_03	Willow Creek - source to Crane Creek	3.69	MILES
Nutrient/Eutrophication Biological Indicators			
Temperature, water			
ID17040205SK014_02	Crane Creek - source to mouth	44.96	MILES
Sedimentation/Siltation			
ID17040205SK014_03	Crane Creek - source to mouth	10.84	MILES
Sedimentation/Siltation			
ID17040205SK016_04	Grays Lake outlet - Hell Creek to mouth	4.71	MILES
Temperature, water			
ID17040205SK017_04	Grays Lake outlet - Homer Creek to Hell Creek	8.62	MILES
Temperature, water			

ID17040205SK018_02	Homer Creek - source to mouth	60.41	MILES
Sedimentation/Siltation			
Temperature, water			
ID17040205SK018_03	Homer Creek - source to mouth	17.24	MILES
Sedimentation/Siltation			
Temperature, water			
ID17040205SK019_04	Grays Lake outlet - Brockman Creek to Homer Creek	12.58	MILES
Temperature, water			
ID17040205SK020_02	Grays Lake outlet - Grays Lake to Brockman Creek	18.05	MILES
Temperature, water			
ID17040205SK020_04	Grays Lake outlet - Grays Lake to Brockman Creek	11.55	MILES
Temperature, water			
ID17040205SK024_02	Brockman Creek - Corral Creek to mouth	20.03	MILES
Sedimentation/Siltation			
Temperature, water			
ID17040205SK024_03	Brockman Creek - Corral Creek to mouth	7.65	MILES
Sedimentation/Siltation			
Temperature, water			
ID17040205SK025_02	Brockman Creek - source to Corral Creek	17.36	MILES
Sedimentation/Siltation			
Temperature, water			
ID17040205SK025_03	Brockman Creek - source to Corral Creek	0.24	MILES
Temperature, water			
ID17040205SK026_02	Corral Creek - source to mouth	7.21	MILES
Sedimentation/Siltation			
Temperature, water			
ID17040205SK027_02	Sawmill Creek - source to mouth	8.44	MILES
Sedimentation/Siltation			
Temperature, water			
ID17040205SK028_02	Lava Creek - source to mouth	14.69	MILES
Temperature, water			
ID17040205SK028_03	Lava Creek - source to mouth	3.29	MILES
Sedimentation/Siltation			
Temperature, water			

ID17040205SK029_02	Hell Creek - source to mouth	38.39	MILES
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Temperature, water

ID17040205SK029_03	Hell Creek - source to mouth	10.8	MILES
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Sedimentation/Siltation

ID17040205SK031_02	Tex Creek - source to mouth	41.55	MILES
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Sedimentation/Siltation

Temperature, water

ID17040205SK031_03	Tex Creek - source to mouth	8.86	MILES
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Sedimentation/Siltation

Temperature, water

ID17040205SK032_02	Meadow Creek - source to Ririe Reservoir	40.58	MILES
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Sedimentation/Siltation

ID17040205SK032_03	Meadow Creek - source to Ririe Reservoir	1.25	MILES
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Sedimentation/Siltation

17040206 American Falls TMDL Approval Date

AMERICAN FALLS SUBBASIN TMDL

Aug 06, 2012

ID17040206SK000_02a	Danielson Creek	4.4	MILES
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Phosphorus (Total)

Sedimentation/Siltation

ID17040206SK001_02	American Falls Reservoir 1st and 2nd order tributaries	41.83	MILES
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Phosphorus (Total)

9/13/2012 (JES) - During the development of the American Falls Subbasin Assessment and TMDL, approved August 6, 2012, it was determined that while the Colburn wasteway, Sterling wasteway, and Crystal Springs were not on the 303(d) list they were contributing nutrients to American Falls Reservoir. In order to achieve the water quality target in the American Falls Subbasin, a total phosphorus load of 0.26 tons/year, 0.27 tons/year, and 2.38 tons/year, respectively were assigned. Sterling wasteway requires a reduction of 0.17 tons/year, while no other reductions are required. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxiv and xxv.

ID17040206SK001_05	American Falls Reservoir - Bannock Creek	4.37	MILES
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Phosphorus (Total)

Sedimentation/Siltation

ID17040206SK001L_0L	American Falls Reservoir (Snake River)	55509.29	ACRES
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Chlorophyll-a

ID17040206SK002_02	Bannock Creek - source to American Falls Reservoir	242.16	MILES
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Phosphorus (Total)

Sedimentation/Siltation

ID17040206SK002_03	Bannock Creek - source to American Falls Reservoir	14.26	MILES
Phosphorus (Total)	9/13/2012 (JES) - During the development of the American Falls Subbasin Assessment and TMDL, approved August 6, 2012, it was determined that while Bannock Creek was not on the 303(d) list it was not supporting its cold water aquatic life beneficial use and therefore load allocations were developed for total phosphorus. In order to achieve the water quality target in the American Falls Subbasin, a total phosphorus load of 2.6 tons/year has been assigned to Bannock Creek requiring a reduction of 3.9 tons/year. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxii		
Sedimentation/Siltation			
ID17040206SK002_04	Bannock Creek - source to American Falls Reservoir	10	MILES
Phosphorus (Total)			
Sedimentation/Siltation			
ID17040206SK002_05	Bannock Creek - source to American Falls Reservoir	21.3	MILES
Phosphorus (Total)			
Sedimentation/Siltation			
ID17040206SK005_02	Sunbeam Creek - source to mouth	24	MILES
Phosphorus (Total)	9/13/2012 (JES) - During the development of the American Falls Subbasin Assessment and TMDL, approved August 6, 2012, it was determined that while Sunbeam Creek was not on the 303(d) list it was not supporting its cold water aquatic life beneficial use and therefore load allocations were developed for total phosphorus. In order to achieve the water quality target in the American Falls Subbasin, a total phosphorus load of 0.22 tons/year has been assigned to Sunbeam Creek requiring a reduction of 0.85 tons/year. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxiv.		
Sedimentation/Siltation	9/13/2012 (JES) - During the development of the American Falls Subbasin Assessment and TMDL, approved August 6, 2012, it was determined that while Sunbeam Creek was not on the 303(d) list it was not supporting its cold water aquatic life beneficial use and therefore load allocations were developed for sediment. In order to achieve the water quality target in the American Falls Subbasin, a sediment load of 261 tons/year has been assigned to Sunbeam Creek requiring a reduction of 153 tons/year. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxiv.		
ID17040206SK006_02	Moonshine Creek - source to mouth	39.54	MILES
Sedimentation/Siltation			
ID17040206SK008_02	West Fork Bannock Creek - source to mouth	23.8	MILES
Sedimentation/Siltation			
ID17040206SK009_02	Knox Creek - source to mouth	23.82	MILES
Sedimentation/Siltation			
ID17040206SK009_03	Knox Creek - source to mouth	7.83	MILES
Sedimentation/Siltation			
ID17040206SK010_02	Rattlesnake Creek - source to mouth	53.37	MILES
Sedimentation/Siltation			
ID17040206SK010_02b	Rattlesnake Creek	1.09	MILES
Sedimentation/Siltation			

ID17040206SK010_03	Rattlesnake Creek - source to mouth	9.96	MILES
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Sedimentation/Siltation

ID17040206SK010_04	Rattlesnake Creek - lower	5.38	MILES
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Sedimentation/Siltation

ID17040206SK019_02	Clear Creek - source to American Falls Reservoir	11.9	MILES
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Phosphorus (Total)

9/13/2012 (JES) - During the development of the American Falls Subbasin Assessment and TMDL, approved August 6, 2012, it was determined that while Clear Creek was not on the 303(d) list it was not supporting its cold water aquatic life beneficial use and therefore a load allocation was developed for total phosphorus. In order to achieve the water quality target in the American Falls Subbasin, a total phosphorus load of 1.07 tons/year has been assigned to Clear Creek and no reduction is required. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxiv.

ID17040206SK020_02	Spring Creek - source to American Falls Reservoir	18.84	MILES
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Phosphorus (Total)

9/13/2012 (JES) - During the development of the American Falls Subbasin Assessment and TMDL, approved August 6, 2012, it was determined that while Spring Creek was not on the 303(d) list it was not supporting its cold water aquatic life beneficial use and therefore a load allocation was developed for total phosphorus. In order to achieve the water quality target in the American Falls Subbasin, a total phosphorus load of 8.62 tons/year has been assigned to Spring Creek and no reduction is required. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxiv.

ID17040206SK022_02	Snake River - river mile 791	107.01	MILES
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Phosphorus (Total)

9/13/2012 (JES) - During the development of the American Falls Subbasin Assessment and TMDL, approved August 6, 2012, it was determined that the Snake River (RM 791 to American Falls Reservoir) was not on the 303(d). However, as it discharges to American Falls Reservoir a load allocation was developed for total phosphorus. In order to achieve the water quality target in the American Falls Subbasin, total phosphorus load allocations were set at USGS gage sites at Ferry Butte, at Blackfoot (13062500), and near Shelley which are 167, 146, and 171 tons/year, respectively. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xix.

Sedimentation/Siltation

ID17040206SK024_02	McTucker Creek - source to American Falls Reservoir	1.94	MILES
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Phosphorus (Total)

9/13/2012 (JES) - During the development of the American Falls Subbasin Assessment and TMDL, approved August 6, 2012, it was determined that while McTucker Creek was not on the 303(d) list it was not supporting its cold water aquatic life beneficial use and therefore load allocations were developed for total phosphorus. In order to achieve the water quality target in the American Falls Subbasin, a total phosphorus load of 6.5 tons/year has been assigned to McTucker Creek and no reduction is required. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxiii.

Sedimentation/Siltation

ID17040206SK024_02a	McTucker Creek	2.13	MILES
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Phosphorus (Total)

9/13/2012 (JES) - During the development of the American Falls Subbasin Assessment and TMDL, approved August 6, 2012, it was determined that while McTucker Creek was not on the 303(d) list it was not supporting its cold water aquatic life beneficial use and therefore load allocations were developed for total phosphorus. In order to achieve the water quality target in the American Falls Subbasin, a total phosphorus load of 6.5 tons/year has been assigned to McTucker Creek and no reduction is required. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxiii.

Sedimentation/Siltation

ID17040206SK025_02a	Lttle Hole Draw	4.11	MILES
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Phosphorus (Total)

Sedimentation/Siltation

ID17040206SK026_02	Pleasant Valley - source to American Falls Reservoir	75.79	MILES
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Phosphorus (Total)

9/13/2012 (JES) - During the development of the American Falls Subbasin Assessment and TMDL, approved August 6, 2012, it was determined that while Spring Hollow and the Nash spill were not on the 303(d) list they were contributing nutrients to American Falls Reservoir. In order to achieve the water quality target in the American Falls Subbasin, Spring Hollow has a total phosphorus load allocation of 0.26 tons/year and requires a load reduction of 0.48 tons/year of total phosphorus and Nash Spill has a total phosphorus load allocation of 0.009 tons/year and requires no reduction. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxiv.

ID17040206SK026_03	Pleasant Valley - source to American Falls Reservoir	12.19	MILES
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Phosphorus (Total)

9/13/2012 (JES) - During the development of the American Falls Subbasin Assessment and TMDL, approved August 6, 2012, it was determined that while Cedar Spillway was not on the 303(d) but was contributing nutrients to American Falls Reservoir. In order to achieve the water quality target in the American Falls Subbasin, the Cedar spillway has a total phosphorus load allocation of 0.49 tons/year and requires no load reduction. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxiv.

17040207 **Blackfoot** **TMDL Approval Date**

BLACKFOOT RIVER

Apr 03, 2002

ID17040207SK002_05	Blackfoot River - Blackfoot Reservoir Dam to Fort Hall Main	65.16	MILES
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Nutrient/Eutrophication Biological Indicators

Sedimentation/Siltation

Replaces unknown as a pollutant.

ID17040207SK006_02	Corral Creek - Headwaters and unnamed tributaries	40.6	MILES
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Sedimentation/Siltation

ID17040207SK006_03	Corral Creek - middle	9.22	MILES
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Sedimentation/Siltation

ID17040207SK006_04	Corral Creek - lower	6.6	MILES
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Sedimentation/Siltation

ID17040207SK007_02	Grizzly Creek - source to mouth	16.74	MILES
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Sedimentation/Siltation

ID17040207SK007_02a	Sawmill Creek - headwaters to Grizzly Creek	7.46	MILES
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Sedimentation/Siltation

ID17040207SK007_03	Grizzly Creek - source to mouth	4.55	MILES
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Sedimentation/Siltation

ID17040207SK007_04	Grizzly Creek - source to mouth	2.78	MILES
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Sedimentation/Siltation

ID17040207SK010_03	Trail Creek side channel near confluence with Blackfoot R.	2.68	MILES
Sedimentation/Siltation			
ID17040207SK010_04	Blackfoot River - headwaters to Slug Creek	13.82	MILES
Sedimentation/Siltation			
ID17040207SK010_05	Blackfoot River	20.72	MILES
Sedimentation/Siltation			
ID17040207SK011_02	Trail Creek - Headwaters and unnamed tributaries	17.88	MILES
Sedimentation/Siltation			
ID17040207SK011_03	Trail Creek - source to mouth (Below Findlayson Ranch)	5.55	MILES
Sedimentation/Siltation			
ID17040207SK011_03a	upper Trail Creek	1.08	MILES
Sedimentation/Siltation			
ID17040207SK012_02	Slug Creek - Headwaters and unnamed tributaries	101.17	MILES
Sedimentation/Siltation			
ID17040207SK012_03	Slug Creek - source to mouth (2nd order to 3rd order)	4.79	MILES
Sedimentation/Siltation			
ID17040207SK012_04	Slug Creek - source to mouth	18.59	MILES
Sedimentation/Siltation			
ID17040207SK013_02	Dry Valley Creek - unnamed tributaries	14.89	MILES
Sedimentation/Siltation			
ID17040207SK013_02a	Dry Valley Creek	6.44	MILES
Sedimentation/Siltation			
ID17040207SK013_02b	Chicken Creek (tributary to Dry Valley Creek)	2.86	MILES
Sedimentation/Siltation			
ID17040207SK014_02	Maybe Creek - source to mouth	5.23	MILES
Sedimentation/Siltation			
ID17040207SK015_04	Blackfoot River - small section near Diamond Creek	0.36	MILES
Sedimentation/Siltation			
ID17040207SK016_02	Diamond Creek - unnamed tributaries	41.78	MILES
Sedimentation/Siltation			
ID17040207SK016_02a	upper Diamond Creek	4.43	MILES
Sedimentation/Siltation			
ID17040207SK016_02b	Coyote Creek	2.88	MILES
Sedimentation/Siltation			

ID17040207SK016_02c	Bear Canyon - headwaters to Diamond Creek	2.44	MILES
Sedimentation/Siltation			
ID17040207SK016_02d	Timber Creek - headwaters to Diamond Creek	5.55	MILES
Sedimentation/Siltation			
ID17040207SK016_02e	Cabin Creek	3.43	MILES
Sedimentation/Siltation			
ID17040207SK016_02f	Stewart Canyon	2.99	MILES
Sedimentation/Siltation			
ID17040207SK016_02g	Campbell Canyon	2.17	MILES
Sedimentation/Siltation			
ID17040207SK016_02h	upper Kendall Creek	1.56	MILES
Sedimentation/Siltation			
ID17040207SK016_02i	lower Kendall Creek	0.77	MILES
Sedimentation/Siltation			
ID17040207SK016_03	lower Diamond Creek	19.31	MILES
Sedimentation/Siltation			
ID17040207SK016_03a	middle Diamond Creek	10.63	MILES
Sedimentation/Siltation			
ID17040207SK018_02	Lanes Creek - unnamed tributaries	22.25	MILES
Sedimentation/Siltation			
ID17040207SK018_02a	Lanes Creek - headwaters to FS boundary	3.62	MILES
Sedimentation/Siltation			
ID17040207SK018_02b	Daves Creek - Headwaters to road crossing	3.04	MILES
Sedimentation/Siltation			
ID17040207SK018_02c	Daves Creek - road crossing to Lanes Creek	0.67	MILES
Sedimentation/Siltation			
ID17040207SK018_02d	Corrailsen Creek	3.92	MILES
Sedimentation/Siltation			
ID17040207SK018_02e	Lanes Creek - FS boundary to Lander Creek	3.13	MILES
Sedimentation/Siltation			
ID17040207SK018_03	Lanes Creek - Lander Creek to Chippy Creek	3.65	MILES
Sedimentation/Siltation			
ID17040207SK018_04	Lanes Creek - Chippy Creek to Blackfoot River	9.41	MILES
Sedimentation/Siltation			

ID17040207SK019_02	Bacon Creek - unnamed tributaries	18.91	MILES
Sedimentation/Siltation			
ID17040207SK019_02a	upper Bacon Creek	9.09	MILES
Sedimentation/Siltation			
ID17040207SK019_02b	Bacon Creek - below FS boundary	3.51	MILES
Sedimentation/Siltation			
ID17040207SK019_03	Bacon Creek - below FS boundary	2.04	MILES
Sedimentation/Siltation			
ID17040207SK019_04	Bacon Creek - below FS boundary	4.61	MILES
Sedimentation/Siltation			
ID17040207SK022_02	Upper Sheep Creek - headwaters and unnamed tributaries	13.48	MILES
Sedimentation/Siltation			
ID17040207SK022_03	lower Sheep Creek	1.32	MILES
Sedimentation/Siltation			
ID17040207SK022_03a	middle Sheep Creek	3.54	MILES
Sedimentation/Siltation			
ID17040207SK023_02	Angus Creek - unnamed tribs	11.31	MILES
Sedimentation/Siltation			
ID17040207SK023_02a	Rasmussen Creek	6.27	MILES
Sedimentation/Siltation			
ID17040207SK023_02b	upper Angus Creek - headwaters to Rasumussen Creek	7.81	MILES
Sedimentation/Siltation			
ID17040207SK023_04	Lower Angus Creek - Rasmussen Creek to Blackfoot River	3.46	MILES
Sedimentation/Siltation			
ID17040207SK025_02	Meadow Creek - headwaters and unnamed tributaries	58.17	MILES
Sedimentation/Siltation			
ID17040207SK025_02a	Meadow Creek - headwaters to Crooked Creek	13.11	MILES
Sedimentation/Siltation			
ID17040207SK025_02d	Meadow Creek - HW to Fk (including Wham Creek)	12.31	MILES
Sedimentation/Siltation			
ID17040207SK025_03	Meadow Creek - Crooked Creek to Clarks Cut	7.19	MILES
Sedimentation/Siltation			
ID17040207SK025_04	Meadow Creek - Blackfoot Reservoir to Clarks Cut	9.71	MILES
Sedimentation/Siltation			

ID17040207SK026_02	Brush Creek - source to mouth	54.57	MILES
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Sedimentation/Siltation

Temperature, water

ID17040207SK026_03	Brush Creek - source to mouth	13.33	MILES
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Sedimentation/Siltation

Temperature, water

ID17040207SK030_02	Wolverine Creek - source to Jones Creek	32.89	MILES
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Nutrient/Eutrophication Biological Indicators

Sedimentation/Siltation Replaces unknown as a pollutant.

ID17040207SK030_03	Wolverine Creek - Jones Creek to Mouth	2.53	MILES
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Nutrient/Eutrophication Biological Indicators

Sedimentation/Siltation

ID17040207SK031_02	Jones Creek - source to mouth	4.54	MILES
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Nutrient/Eutrophication Biological Indicators Nutrient TMDL approved in 2002.

17040208 Portneuf TMDL Approval Date

PARADISE CREEK Feb 12, 1998

ID17040208SK018_02a	Twentyfour Mile Creek	1.17	MILES
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Sedimentation/Siltation

PORTNEUF RIVER Apr 16, 2001

ID17040208SK001_02	Portneuf River - Marsh Creek to American Falls Reservoir	64.97	MILES
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Nitrogen (Total)

Oil and Grease

Phosphorus (Total)

Sedimentation/Siltation

ID17040208SK001_05	Portneuf River - Marsh Creek to American Falls Reservoir	28.52	MILES
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Nitrogen (Total)

ID17040208SK003_02	lower Gibson Jack Creek	0.7	MILES
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Sedimentation/Siltation

ID17040208SK004_02	Mink Creek - source to mouth	29.04	MILES
Nitrogen (Total)			
Phosphorus (Total)			
Sedimentation/Siltation			
ID17040208SK004_02a	Kinney Creek - headwaters to Mink Creek	2.58	MILES
Nitrogen (Total)		Included in Mink Creek TMDL approved in 2001.	
Phosphorus (Total)		Included in Mink Creek TMDL approved in 2001.	
ID17040208SK004_02b	West Fork Mink Creek	8.71	MILES
Nitrogen (Total)			
Phosphorus (Total)			
Sedimentation/Siltation			
ID17040208SK004_02c	South Fork Mink Creek - headwaters to Mink Creek	6.75	MILES
Nitrogen (Total)		Mink Creek was listed prior to the Portneuf TMDL (approved 4-18-2001) being prepared. This AU was included in the Portneuf River TMDL (accepted 4-16-2001). Nutrient and sediment targets apply to this AU as part of the TMDL. This AU supports beneficial use; however, in order for the TMDL to apply, it will remain in Category 4a for this Integrated Report. AUs that meet or continue to support beneficial uses and are not negatively affecting water quality and therefore beneficial uses in downstream receiving waters will be moved to Category 2 in ensuing reporting cycles. Mladenka 3-24-08	
Phosphorus (Total)		Mink Creek was listed prior to the Portneuf TMDL (approved 4-18-2001) being prepared. This AU was included in the Portneuf River TMDL (accepted 4-16-2001). Nutrient and sediment targets apply to this AU as part of the TMDL. This AU supports beneficial use; however, in order for the TMDL to apply, it will remain in Category 4a for this Integrated Report. AUs that meet or continue to support beneficial uses and are not negatively affecting water quality and therefore beneficial uses in downstream receiving waters will be moved to Category 2 in ensuing reporting cycles. Mladenka 3-24-08	
Sedimentation/Siltation		Mink Creek was listed prior to the Portneuf TMDL (approved 4-18-2001) being prepared. This AU was included in the Portneuf River TMDL (accepted 4-16-2001). A sediment target applies to this AU as part of the TMDL. This AU supports beneficial use; however, in order for the TMDL to apply, it will remain in Category 4a for this Integrated Report. AUs that support beneficial uses and are not negatively affecting water quality (and therefore beneficial uses) in downstream receiving waters will be moved to Category 2 in ensuing reporting cycles. Mladenka 3-24-08	

ID17040208SK004_02d	East Fork Mink Creek	6.71	MILES
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Nitrogen (Total) Mink Creek was listed prior to the Portneuf TMDL (approved 4-18-2001) being prepared. This AU was included in the Portneuf River TMDL (accepted 4-16-2001). Nutrient and sediment targets apply to this AU as part of the TMDL. This AU supports beneficial use; however, in order for the TMDL to apply, it will remain in Category 4a for this Integrated Report. AUs that meet or continue to support beneficial uses and are not negatively affecting water quality and therefore beneficial uses in downstream receiving waters will be moved to Category 2 in ensuing reporting cycles. Mladenka 3-24-08

Phosphorus (Total) Mink Creek was listed prior to the Portneuf TMDL (approved 4-18-2001) being prepared. This AU was included in the Portneuf River TMDL (accepted 4-16-2001). Nutrient and sediment targets apply to this AU as part of the TMDL. This AU supports beneficial use; however, in order for the TMDL to apply, it will remain in Category 4a for this Integrated Report. AUs that meet or continue to support beneficial uses and are not negatively affecting water quality and therefore beneficial uses in downstream receiving waters will be moved to Category 2 in ensuing reporting cycles. Mladenka 3-24-08

Sedimentation/Siltation Mink Creek was listed prior to the Portneuf TMDL (approved 4-18-2001) being prepared. This AU was included in the Portneuf River TMDL (accepted 4-16-2001). A sediment target applies to this AU as part of the TMDL. This AU supports beneficial use; however, in order for the TMDL to apply, it will remain in Category 4a for this Integrated Report. AUs that support beneficial uses and are not negatively affecting water quality (and therefore beneficial uses) in downstream receiving waters will be moved to Category 2 in ensuing reporting cycles. Mladenka 3-24-08

ID17040208SK004_03	East Fork Mink Creek	0.64	MILES
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Nitrogen (Total)

Phosphorus (Total)

Sedimentation/Siltation

ID17040208SK004_03a	Mink Creek - S. Fk to E. Fk Mink Creek	2.81	MILES
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Nitrogen (Total)

Phosphorus (Total)

Sedimentation/Siltation

ID17040208SK004_04	Lower Mink Creek	3.8	MILES
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Nitrogen (Total)

Phosphorus (Total)

Sedimentation/Siltation

ID17040208SK004_04a	Mink Creek	1.51	MILES
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Nitrogen (Total) Mink Creek was listed prior to the Portneuf TMDL (approved 4-18-2001) being prepared. This AU was included in the Portneuf River TMDL (accepted 4-16-2001). Nutrient and sediment targets apply to this AU as part of the TMDL. This AU supports beneficial use; however, in order for the TMDL to apply, it will remain in Category 4a for this Integrated Report. AUs that meet or continue to support beneficial uses and are not negatively affecting water quality and therefore beneficial uses in downstream receiving waters will be moved to Category 2 in ensuing reporting cycles. Mladenka 3-24-08

Phosphorus (Total) Mink Creek was listed prior to the Portneuf TMDL (approved 4-18-2001) being prepared. This AU was included in the Portneuf River TMDL (accepted 4-16-2001). Nutrient and sediment targets apply to this AU as part of the TMDL. This AU supports beneficial use; however, in order for the TMDL to apply, it will remain in Category 4a for this Integrated Report. AUs that meet or continue to support beneficial uses and are not negatively affecting water quality and therefore beneficial uses in downstream receiving waters will be moved to Category 2 in ensuing reporting cycles. Mladenka 3-24-08

Sedimentation/Siltation Mink Creek was listed prior to the Portneuf TMDL (approved 4-18-2001) being prepared. This AU was included in the Portneuf River TMDL (accepted 4-16-2001). A sediment target applies to this AU as part of the TMDL. This AU supports beneficial use; however, in order for the TMDL to apply, it will remain in Category 4a for this Integrated Report. AUs that support beneficial uses and are not negatively affecting water quality (and therefore beneficial uses) in downstream receiving waters will be moved to Category 2 in ensuing reporting cycles. Mladenka 3-24-08

ID17040208SK006_03	upper middle Marsh Creek	11.12	MILES
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Nitrogen (Total)

Phosphorus (Total)

Sedimentation/Siltation

ID17040208SK006_04	Lower Marsh Creek	17.69	MILES
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Nitrogen (Total)

Phosphorus (Total)

Sedimentation/Siltation

ID17040208SK006_04a	Lower Middle Marsh Creek	19.75	MILES
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Nitrogen (Total)

Phosphorus (Total)

Sedimentation/Siltation

ID17040208SK007_02	lower Walker Creek	2.88	MILES
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Sedimentation/Siltation

ID17040208SK008_02	Bell Marsh Creek - source to mouth	1.86	MILES
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Sedimentation/Siltation

ID17040208SK008_02b	lower Bell Marsh Creek	2.7	MILES
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Sedimentation/Siltation

ID17040208SK009_02	lower Goodenough Creek	3.82	MILES
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Sedimentation/Siltation

ID17040208SK009_02a	upper Goodenough Creek - headwaters to Mormon Canyon	7.68	MILES
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Sedimentation/Siltation

ID17040208SK009_02b	Goodenough Creek	3.67	MILES
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Sedimentation/Siltation

Goodenough Creek was listed prior to the Portneuf TMDL (approved 4-18-2001) being prepared. This AU was included in the Portneuf River TMDL (accepted 4-16-2001). A sediment target applies to this AU as part of the TMDL. This AU supports beneficial use; however, in order for the TMDL to apply, it will remain in Category 4a for this Integrated Report. AUs that support beneficial uses and are not negatively affecting water quality (and therefore beneficial uses) in downstream receiving waters will be moved to Category 2 in ensuing reporting cycles. Mladenka 3-24-08

ID17040208SK010_02	Garden Creek - source to mouth	19.43	MILES
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Nitrogen (Total)

Phosphorus (Total)

Sedimentation/Siltation

ID17040208SK010_02a	upper Garden Creek - headwaters to Garden Creek Gap	9.49	MILES
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Nitrogen (Total)

Phosphorus (Total)

Sedimentation/Siltation

ID17040208SK010_02b	lower Garden Creek	7.66	MILES
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Nitrogen (Total)

Phosphorus (Total)

Sedimentation/Siltation

ID17040208SK011_02	Hawkins Creek - Hawkins Reservoir Dam to mouth	23.59	MILES
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Nitrogen (Total)

Phosphorus (Total)

Sedimentation/Siltation

ID17040208SK011_03	lower Hawkins Creek	9.12	MILES
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Nitrogen (Total)

Phosphorus (Total)

Sedimentation/Siltation

ID17040208SK013_02	Hawkins Creek - source to Hawkins Reservoir	19.28	MILES
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Nitrogen (Total)

Phosphorus (Total)

Sedimentation/Siltation

ID17040208SK013_02a	Hawkins Creek	4.96	MILES
Nitrogen (Total)			
Phosphorus (Total)			
Sedimentation/Siltation			
ID17040208SK013_02b	Yellow Dog Creek - headwaters to Hawkins Creek	6.01	MILES
Nitrogen (Total)			
Phosphorus (Total)			
Sedimentation/Siltation			
ID17040208SK013_03	Hawkins Creek - source to Hawkins Reservoir	0.93	MILES
Nitrogen (Total)			
Phosphorus (Total)			
Sedimentation/Siltation			
ID17040208SK014_02	Cherry Creek - ephemeral tributaries	17.64	MILES
Nitrogen (Total)			
Phosphorus (Total)			
Sedimentation/Siltation			
Replaces unknown as a pollutant.			
ID17040208SK014_03	Cherry Creek - lower	1.58	MILES
Nitrogen (Total)			
Phosphorus (Total)			
Sedimentation/Siltation			
ID17040208SK014_04	Birch Creek from Cherry Creek to Marsh Creek confluences	2.74	MILES
Nitrogen (Total)			
Phosphorus (Total)			
Sedimentation/Siltation			
ID17040208SK015_02	Birch Creek - source to mouth	13.05	MILES
Nitrogen (Total)			
Phosphorus (Total)			
Sedimentation/Siltation			
ID17040208SK015_03	Birch Creek - source to mouth	3.96	MILES
Nitrogen (Total)			
Phosphorus (Total)			
Sedimentation/Siltation			

ID17040208SK015_03a	Birch Creek - Mill Creek to I-15 road crossing	2.8	MILES
Nitrogen (Total)			
Phosphorus (Total)			
Sedimentation/Siltation			
ID17040208SK016_02	Portneuf R - 2nd order tribs-Chesterfield Dam to Marsh Creek	162.68	MILES
Sedimentation/Siltation			
Replaces unknown as a pollutant.			
ID17040208SK016_03	Portneuf River - Chesterfield Reservoir Dam to Marsh Creek	5.52	MILES
Fecal Coliform			
Nitrogen (Total)			
Oil and Grease			
Phosphorus (Total)			
Sedimentation/Siltation			
ID17040208SK016_04	Portneuf River - Chesterfield Reservoir Dam to Marsh Creek	2.82	MILES
Fecal Coliform			
Nitrogen (Total)			
Oil and Grease			
Phosphorus (Total)			
Sedimentation/Siltation			
ID17040208SK016_05	Portneuf River - 5th Order	52.84	MILES
Fecal Coliform			
Nitrogen (Total)			
Oil and Grease			
Phosphorus (Total)			
Sedimentation/Siltation			
ID17040208SK017_02	Dempsey Creek - source to mouth	1.39	MILES
Sedimentation/Siltation			
ID17040208SK017_02a	East Creek	11.07	MILES
Sedimentation/Siltation			
ID17040208SK017_02b	Deer Creek	3.28	MILES
Sedimentation/Siltation			
ID17040208SK017_02d	Dempsey Creek	18.44	MILES
Sedimentation/Siltation			

ID17040208SK017_03	Lower Dempsey Creek	3.58	MILES
Sedimentation/Siltation			
ID17040208SK018_02	Twentyfourmile Creek - source to mouth	58.66	MILES
Sedimentation/Siltation			
ID17040208SK018_03	Twentyfourmile Creek - source to mouth	5.15	MILES
Sedimentation/Siltation			
ID17040208SK018_03a	Twentyfour Mile Creek	6.08	MILES
Sedimentation/Siltation			
ID17040208SK020_02	Portneuf R.-tributaries - source to Chesterfield Reservoir	91.89	MILES
Sedimentation/Siltation			
ID17040208SK020_03	Portneuf River - source to Chesterfield Reservoir	17.35	MILES
Nitrogen (Total)			
Phosphorus (Total)			
Sedimentation/Siltation			
ID17040208SK021_02	Toponce Creek - source to mouth	2.62	MILES
Sedimentation/Siltation			
ID17040208SK021_02a	Little Toponce Creek	5.21	MILES
Sedimentation/Siltation			
ID17040208SK021_02b	North Fork Toponce Creek	6.81	MILES
Sedimentation/Siltation			
ID17040208SK021_02c	Middle Fork Toponce Creek	8.3	MILES
Sedimentation/Siltation			
ID17040208SK021_02d	South Fork Toponce Creek	18.23	MILES
Sedimentation/Siltation			
ID17040208SK021_02e	upper Toponce Creek	5.84	MILES
Sedimentation/Siltation			
ID17040208SK021_03	lower Toponce Creek	4.24	MILES
Sedimentation/Siltation			
ID17040208SK021_03a	middle Toponce Creek	4.22	MILES
Sedimentation/Siltation			
ID17040208SK022_02	Pebble Creek - source to mouth	1.79	MILES
Sedimentation/Siltation			
ID17040208SK022_02a	upper Pebble Creek/Big Canyon	9.23	MILES
Sedimentation/Siltation			

ID17040208SK022_02b	Clear Creek	2.86	MILES
Sedimentation/Siltation			
ID17040208SK022_02c	South Fork Pebble Creek	6.49	MILES
Sedimentation/Siltation			
ID17040208SK022_02d	North Fork Pebble Creek	12.87	MILES
Sedimentation/Siltation			
ID17040208SK022_03	lower Pebble Creek	6.07	MILES
Sedimentation/Siltation			
Pebble Creek was listed prior to the Portneuf TMDL (approved 4-18-2001) being prepared. This AU was included in the Portneuf River TMDL (accepted 4-16-2001). A sediment target applies to this AU as part of the TMDL. This AU supports beneficial use; however, in order for the TMDL to apply, it will remain in Category 4a for this Integrated Report. AUs that support beneficial uses and are not negatively affecting water quality (and therefore beneficial uses) in downstream receiving waters will be moved to Category 2 in ensuing reporting cycles. Mladenka 3-24-08			
ID17040208SK022_03a	North Fork Pebble Creek	0.98	MILES
Sedimentation/Siltation			
ID17040208SK023_02	Rapid Creek - source to mouth	28.89	MILES
Sedimentation/Siltation			
ID17040208SK023_02a	upper Jackson Creek	2.38	MILES
Sedimentation/Siltation			
ID17040208SK023_02b	lower Jackson Creek	2.15	MILES
Sedimentation/Siltation			
ID17040208SK023_02c	Webb Creek	10.17	MILES
Sedimentation/Siltation			
ID17040208SK023_02d	Sawmill Creek	4.28	MILES
Sedimentation/Siltation			
ID17040208SK023_02e	upper Moonlight Creek	2.77	MILES
Sedimentation/Siltation			
ID17040208SK023_02f	lower Moonlight Creek	0.71	MILES
Sedimentation/Siltation			
ID17040208SK023_02g	West Fork Rapid Creek	6.58	MILES
Sedimentation/Siltation			
ID17040208SK023_02h	North Fork Inman Creek	4.7	MILES
Sedimentation/Siltation			
ID17040208SK023_02i	North Fork Rapid Creek	4.87	MILES
Sedimentation/Siltation			

ID17040208SK023_03a	lower Inman Creek	2.38	MILES
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Sedimentation/Siltation

ID17040208SK023_03b	Inman Creek - Fks to USFS boundary	2.32	MILES
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Sedimentation/Siltation

Rapid Creek was listed prior to the Portneuf TMDL (approved 4-18-2001) being prepared. This AU was included in the Portneuf River TMDL (accepted 4-16-2001). A sediment target applies to this AU as part of the TMDL. This AU supports beneficial use; however, in order for the TMDL to apply, it will remain in Category 4a for this Integrated Report. AUs that support beneficial uses and are not negatively affecting water quality (and therefore beneficial uses) in downstream receiving waters will be moved to Category 2 in ensuing reporting cycles. Mladenka 3-24-08

ID17040208SK023_03c	North Fork Rapid Creek	1.59	MILES
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Sedimentation/Siltation

ID17040208SK024_02	Pocatello Creek	3.7	MILES
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Sedimentation/Siltation

ID17040208SK024_03	lower Pocatello Creek	2.91	MILES
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Sedimentation/Siltation

ID17040208SK024_03a	middle Pocatello Creek - Fks to Outback Driving Range	2.02	MILES
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Sedimentation/Siltation

PORTNEUF RIVER TMDL

Jul 29, 2010

ID17040208SK001_05	Portneuf River - Marsh Creek to American Falls Reservoir	28.52	MILES
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Escherichia coli

5/30/2012 (JES) The Portneuf River TMDL Revision and Addendum was approved July 29, 2010. E. coli levels can be found in Table 2.1 on page 10, table 5.1 on page 94 and pages 96-97. Multiple monitoring stations exist along this AU and at one station a geomean of 1518 col/100mL was observed which is greater than the 126 col/100mL criterion value. Therefore the recreational use of this waterbody is considered impaired by bacteria. This E. coli listing and TMDL replaces fecal coliform.

Oil and Grease

5/21/2012 (JES) An oil and grease target was set at 5 mg/L. For more information please refer to page 130 in the Portneuf River TMDL Revision and Addendum, approved July 29, 2010. Information on oil and grease monitoring can be found in Table 5.16 on page 130 and estimated target loads in Table 5.17 on page 131.

Phosphorus (Total)

5/21/2012 (JES) Estimated and daily target loads for total phosphorus (TP) were set on monthly averages. For more information please refer to pages 120-123 and Tables 5.10 - 5.14 on pages 124-128 in the Portneuf River TMDL Revision and Addendum, approved July 29, 2010.

Sedimentation/Siltation

5/21/2012 (JES) Estimated and daily target loads for total suspended sediment (TSS) were set on monthly averages. For more information please refer to pages 112-114 and Tables 5.5 - 5.9 on pages 115-119 in the Portneuf River TMDL Revision and Addendum, approved July 29, 2010.

ID17040208SK004_02a	Kinney Creek - headwaters to Mink Creek	2.58	MILES
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Sedimentation/Siltation

5/30/2012 (JES) In the Portneuf River TMDL Revision and Addendum, approved July 29, 2010, an 80% bank stability target was established. Refer to Table 5.21 on page 138 in the TMDL for more information.

ID17040208SK004_04	Lower Mink Creek	3.8	MILES
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Escherichia coli

ID17040208SK005_02	Indian Creek - source to mouth	8.14	MILES
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Escherichia coli

ID17040208SK006_03a	Marsh Creek - Rt Fk to Red Rock Pass	3.78	MILES
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Escherichia coli

Nitrogen (Total) 7/20/2012 (NED) - A total nitrogen target of 1.0 mg/L as TN was established in the Portneuf River TMDL Revision and Addendum, approved July 29, 2010. Refer to Table 5.1 on page 95 for more information.

Phosphorus (Total)

Sedimentation/Siltation

ID17040208SK006_04a	Lower Middle Marsh Creek	19.75	MILES
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Escherichia coli

ID17040208SK010_02b	lower Garden Creek	7.66	MILES
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Escherichia coli

ID17040208SK012L_0L	Hawkins Reservoir	67.42	ACRES
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Nitrogen (Total) 12/23/2010 (NED) - A total nitrogen target of 1.0 mg/L as TN was established in Portneuf River TMDL Revision and Addendum, approved July 29, 2010. Refer to Table 5.1 on page 95 for more information.

Oxygen, Dissolved Based on field sampling in 2007, TP is very high (mean=0.19), one chlorophyll a sampling event=60, and there were several exceedences of DO in the upper 80% of the column.

5/30/2012 (JES) The Portneuf River TMDL Revision and Addendum approved July 29, 2010 established a reservoir target for dissolved oxygen of 6.0 mg/L and a chlorophyll a target of 0.015 mg/L. Refer to Table 5.1 on page 95 for more information.

Phosphorus (Total) 5/30/2012 (JES) The Portneuf River TMDL Revision and Addendum approved July 29, 2010 established a total phosphorus reservoir target of 0.03 mg/L. Refer to Table 5.1 on page 95 for more information.

ID17040208SK014_02	Cherry Creek - ephemeral tributaries	17.64	MILES
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Escherichia coli

ID17040208SK014_02a	Upper Cherry Creek	10.03	MILES
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Escherichia coli

ID17040208SK014_02b	Cherry Creek	5.83	MILES
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Escherichia coli

ID17040208SK017_02c	Beaverdam Creek	3.84	MILES
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Sedimentation/Siltation

12/22/2010 (NED) - During the development of the Portneuf River TMDL Revision and Addendum, approved by EPA on July 29, 2010, data was collected on Beaverdam Creek to establish empirical-derived sediment targets that would restore beneficial uses. Data collected identified fines as predominating the wetted substrate and unstable banks for more than 65% of a representative 100 meter reach. The TSS targets established are 35 mg/L for low flow, 80 mg/L for high flow or 80 % bank stability. This new data supersedes any data that pertains to Beaverdam Creek/tributaries in the original Portneuf TMDL approved April 16, 2001. Refer to Table 5.21 on page 138 of the TMDL.

ID17040208SK017_03	Lower Dempsey Creek	3.58	MILES
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Escherichia coli

ID17040208SK025_02	South Fork Pocatello Creek - source to mouth	5.02	MILES
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Sedimentation/Siltation

4/30/2012 (JES) - Total suspended sediment (TSS) target of 643 lbs/day was established in the Portneuf River TMDL Revision and Addendum, approved July 29, 2010. For additional information refer to Table 5.21 on page 138 and pages 141-142 in the TMDL.

17040209 Lake Walcott TMDL Approval Date

LAKE WALCOTT

Jun 27, 2000

ID17040209SK001_02	D16 Drain & 2nd order tributaries to the Snake River	6.4	MILES
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Phosphorus (Total)

ID17040209SK001_07	Snow River - Heyburn/Burley Bridge to Milner Dam	15.6	MILES
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Phosphorus (Total)

ID17040209SK002_02	Duck Creek, Spring Creek & 2nd order Snake River tributaries	30.9	MILES
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Phosphorus (Total)

ID17040209SK002_07	Snow River - Minidoka Dam to Heyburn/Burley Bridge	20.63	MILES
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Phosphorus (Total)

3/18/2009 (NED) - Nutrient/Eutrophication Biological Indicators changed to Phosphorus (Total).

ID17040209SK008_04	Rock Creek - confluence of South and East Fork Rock Creek	13.25	MILES
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Total Suspended Solids (TSS)

ID17040209SK009_02	South Fork Rock Creek - source to mouth	246.39	MILES
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Total Suspended Solids (TSS)

Replace sed/silt with TSS. TMDL #649 addresses TSS. s.woodhead 03/26/2012

ID17040209SK009_03	South Fork Rock Creek - source to mouth	8.01	MILES
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Total Suspended Solids (TSS)

Removed sed/silt. TMDL #649 addresses TSS. s.woodhead 03/26/2012

ID17040209SK009_04	South Fork Rock Creek - source to mouth	20.15	MILES
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Total Suspended Solids (TSS)

Removed sed/silt and added TSS. TMDL #649 addresses TSS. s.woodhead 03/26/2012

ID17040209SK010_02	East Fork Rock Creek - source to mouth	23.28	MILES
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Total Suspended Solids (TSS)

Removed sed/silt and added TSS. TMDL #649 addresses TSS. s.woodhead 03/26/2012

ID17040209SK010_03	East Fork Rock Creek - source to mouth	9.25	MILES
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Total Suspended Solids (TSS)

Removed sed/silt added TSS. TMDL #649 addresses TSS. s.woodhead 03/26/2012

Removed sed/silt and added TSS. TMDL #649 addresses TSS. s.woodhead 03/26/2012

17040210 Raft TMDL Approval Date

RAFT RIVER SUBBASIN TEMPERATURE TMDL

Apr 17, 2012

ID17040210SK005_04	Cassia Creek - Clyde Creek to Conner Creek	4.51	MILES
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Sedimentation/Siltation

Temperature, water

5/10/12 (J Tollefson) - The Raft River Subbasin Temperature TMDL Addendum was reviewed and approved by EPA on April 17, 2012. In order to bring Cassia Creek back to its target load of 1,800,000 kWh/day, the existing load of 2,000,000 kWh/day will need to be reduced by 270,000 kWh/day (14%) to successfully restore this water to WQS. For additional information refer to Table 4 on page 11 and Section 5.4, Table 5 on page 15 of the TMDL.

RAFT RIVER WATERSHED TMDL

Jul 27, 2004

ID17040210SK001_05	Raft River - Heglar Canyon Creek to mouth	12.42	MILES
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Escherichia coli

Sedimentation/Siltation

5/10/12 (J.Tollefson) - "Bed load sediment impairs both Cassia Creek and Raft River. Bed load sediment loads were developed to meet bank stability targets using a stream bank erosion estimate developed by the NRCS and refined by the DEQ Idaho Falls Regional Office. It is assumed that beneficial uses were or would be fully supported at natural background sediment loading rates. These rates were assumed to equate to the 70% bank stability regimes required to meet state water quality standards." (p. 135). Load allocations can be found on p. 150 of the Raft River Subbasin Assessment and TMDL (EPA Approved July 2004).

ID17040210SK002_02	Raft River - Cassia Creek to Heglar Canyon Creek	167.11	MILES
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Escherichia coli

Sedimentation/Siltation

5/10/12 (J.Tollefson) - "Bed load sediment impairs both Cassia Creek and Raft River. Bed load sediment loads will be developed to meet bank stability targets using a stream bank erosion estimate developed by the NRCS and refined by the DEQ Idaho Falls Regional Office. It is assumed that beneficial uses were or would be fully supported at natural background sediment loading rates. These rates were assumed to equate to the 70% bank stability regimes required to meet state water quality standards." (p. 135). Load allocations can be found on p. 150 of the Raft River Subbasin Assessment and TMDL (EPA Approved July 2004).

ID17040210SK002_05	Raft River - Cassia Creek to Heglar Canyon Creek	21.41	MILES
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Escherichia coli

Sedimentation/Siltation

5/10/12 (J.Tollefson) - "Bed load sediment impairs both Cassia Creek and Raft River. Bed load sediment loads will be developed to meet bank stability targets using a stream bank erosion estimate developed by the NRCS and refined by the DEQ Idaho Falls Regional Office. It is assumed that beneficial uses were or would be fully supported at natural background sediment loading rates. These rates were assumed to equate to the 70% bank stability regimes required to meet state water quality standards." (p. 135). Load allocations can be found on p. 150 of the Raft River Subbasin Assessment and TMDL (EPA Approved July 2004).

ID17040210SK003_04	Cassia Creek - Conner Creek to mouth	12.78	MILES
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Escherichia coli

Phosphorus (Total)

Sedimentation/Siltation

5/10/12 (J.Tollefson) - "Bed load sediment impairs both Cassia Creek and Raft River. Bed load sediment loads will be developed to meet bank stability targets using a stream bank erosion estimate developed by the NRCS and refined by the DEQ Idaho Falls Regional Office. It is assumed that beneficial uses were or would be fully supported at natural background sediment loading rates. These rates were assumed to equate to the 70% bank stability regimes required to meet state water quality standards." (p. 135). Load allocations can be found on p. 150 of the Raft River Subbasin Assessment and TMDL (EPA Approved July 2004).

ID17040210SK005_04	Cassia Creek - Clyde Creek to Conner Creek	4.51	MILES
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Phosphorus (Total)

ID17040210SK007_02	Cassia Creek - source to Clyde Creek	38.5	MILES
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Escherichia coli

Phosphorus (Total)

Sedimentation/Siltation 5/10/12 (J.Tollefson) - "Bed load sediment impairs both Cassia Creek and Raft River. Bed load sediment loads will be developed to meet bank stability targets using a stream bank erosion estimate developed by the NRCS and refined by the DEQ Idaho Falls Regional Office. It is assumed that beneficial uses were or would be fully supported at natural background sediment loading rates. These rates were assumed to equate to the 70% bank stability regimes required to meet state water quality standards." (p. 135). Load allocations can be found on p. 150 of the Raft River Subbasin Assessment and TMDL (EPA Approved July 2004).

ID17040210SK007_03	Cassia Creek- source to confluence of Dry Creek	7.12	MILES
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Escherichia coli

Phosphorus (Total)

Sedimentation/Siltation 5/10/12 (J.Tollefson) - "Bed load sediment impairs both Cassia Creek and Raft River. Bed load sediment loads will be developed to meet bank stability targets using a stream bank erosion estimate developed by the NRCS and refined by the DEQ Idaho Falls Regional Office. It is assumed that beneficial uses were or would be fully supported at natural background sediment loading rates. These rates were assumed to equate to the 70% bank stability regimes required to meet state water quality standards." (p. 135). Load allocations can be found on p. 150 of the Raft River Subbasin Assessment and TMDL (EPA Approved July 2004).

ID17040210SK007_04	Cassia Creek - Cross Creek to Clyde Creek	5.5	MILES
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Escherichia coli

Phosphorus (Total)

Sedimentation/Siltation 5/10/12 (J.Tollefson) - "Bed load sediment impairs both Cassia Creek and Raft River. Bed load sediment loads will be developed to meet bank stability targets using a stream bank erosion estimate developed by the NRCS and refined by the DEQ Idaho Falls Regional Office. It is assumed that beneficial uses were or would be fully supported at natural background sediment loading rates. These rates were assumed to equate to the 70% bank stability regimes required to meet state water quality standards." (p. 135). Load allocations can be found on p. 150 of the Raft River Subbasin Assessment and TMDL (EPA Approved July 2004).

ID17040210SK007_05	Cassia Creek - source to Clyde Creek	4.82	MILES
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Escherichia coli 5/8/2012 (J.Tollefson) - Recent E. coli data show a geomean of 389 col/100 ml which is greater than the 126 col/100 ml criterion value, therefore the recreational use of this water is considered impaired by bacteria. The load allocations for E. coli can be found on p. 150 of the EPA approved Raft River Subbasin TMDL, approved July 27, 2004.

Sedimentation/Siltation 5/10/12 (J.Tollefson) - "Bed load sediment impairs both Cassia Creek and Raft River. Bed load sediment loads will be developed to meet bank stability targets using a stream bank erosion estimate developed by the NRCS and refined by the DEQ Idaho Falls Regional Office. It is assumed that beneficial uses were or would be fully supported at natural background sediment loading rates. These rates were assumed to equate to the 70% bank stability regimes required to meet state water quality standards." (p. 135). Load allocations can be found on p. 150 of the Raft River Subbasin Assessment and TMDL (EPA Approved July 2004).

Temperature, water

ID17040210SK008_04	Raft River - Cottonwood Creek to Cassia Creek	22.93	MILES
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Escherichia coli

Sedimentation/Siltation

5/10/12 (J.Tollefson) - "Bed load sediment impairs both Cassia Creek and Raft River. Bed load sediment loads will be developed to meet bank stability targets using a stream bank erosion estimate developed by the NRCS and refined by the DEQ Idaho Falls Regional Office. It is assumed that beneficial uses were or would be fully supported at natural background sediment loading rates. These rates were assumed to equate to the 70% bank stability regimes required to meet state water quality standards." (p. 135). Load allocations can be found on p. 150 of the Raft River Subbasin Assessment and TMDL (EPA Approved July 2004).

Temperature, water

ID17040210SK010_04	Raft River	19.11	MILES
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Sedimentation/Siltation

5/10/12 (J.Tollefson) - "Bed load sediment impairs both Cassia Creek and Raft River. Bed load sediment loads will be developed to meet bank stability targets using a stream bank erosion estimate developed by the NRCS and refined by the DEQ Idaho Falls Regional Office. It is assumed that beneficial uses were or would be fully supported at natural background sediment loading rates. These rates were assumed to equate to the 70% bank stability regimes required to meet state water quality standards." (p. 135). Load allocations can be found on p. 150 of the Raft River Subbasin Assessment and TMDL (EPA Approved July 2004).

Temperature, water

ID17040210SK013_04	Raft River - Idaho/Utah border to Edwards Creek	8.99	MILES
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Escherichia coli

Sedimentation/Siltation

5/10/12 (J. Tollefson) - "Bed load sediment impairs both Cassia Creek and Raft River. Bed load sediment loads will be developed to meet bank stability targets using a stream bank erosion estimate developed by the NRCS and refined by the DEQ Idaho Falls Regional Office. It is assumed that beneficial uses were or would be fully supported at natural background sediment loading rates. These rates were assumed to equate to the 70% bank stability regimes required to meet state water quality standards." (p. 135). Load allocations can be found on p. 150 of the Raft River Subbasin Assessment and TMDL (EPA Approved July 2004).

Temperature, water

ID17040210SK019_02	Sublett Creek - Sublett Reservoir Dam to mouth	51.5	MILES
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Phosphorus (Total)

ID17040210SK020_0L	Sublett Reservoir	79.91	ACRES
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Phosphorus (Total)

This replaces the cause unknown pollutant that was previously listed.

ID17040210SK022_02	Lake Fork - source to Sublett Reservoir	17.01	MILES
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Escherichia coli

2/02/2012 (Sean Woodhead) - Monitored in 2011 to reassess Secondary Contact Recreation. Fall Creek, Lake Fork Creek, and Van Camp Creek are contained within this AU. The geometric mean from 5 e.coli samples on Fall Creek was 2813 cfu/100 ml. The geometric mean from Lake Fork Creek was 286 cfu/100ml. Van Camp Creek was not sampled due to lack of flow.

Phosphorus (Total)

ID17040210SK022_03	Lake Fork - source to Sublett Reservoir	1.34	MILES
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Phosphorus (Total)

17040211	Goose	TMDL Approval Date	
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GOOSE CREEK SUBBASIN TMDL (UPDATED)

Apr 25, 2012

ID17040211SK007_02	Trout Creek - source to Idaho/Nevada border	19.97	MILES
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Temperature, water

Idaho Fish and Game temperature logger data: 2001IDFGTL082. Maximum daily maximum temperature exceeded for lengthy periods during the critical time period for cold water biota.

ID17040211SK007_03	Trout Creek - source to Idaho/Nevada border	1.97	MILES
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Temperature, water

ID17040211SK008_02	Goose Creek - source to Idaho/Utah border	63.14	MILES
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Temperature, water

IDFG temperature logger 2001IDFGTL083 indicates that temperature exceeded water quality standards.

GOOSE CREEK TMDL

Jul 25, 2004

ID17040211SK000_02A	Little Cottonwood Creek	63.29	MILES
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Escherichia coli

ID17040211SK003_02	Trapper Creek	28.09	MILES
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Phosphorus (Total)

Sedimentation/Siltation

5/10/12 (J. Tollefson) - "The load capacity for sediment was determined based on the origin of the sediment. In those instances where the sediment generated from stream bank erosion, the load capacity is based on the load generated from banks that are greater than 70% stable. This load defines the load capacity for the remaining segments of the stream." (p. 187). The load allocations can be found on p. 198 of the Goose Creek Subbasin Assessment and TMDL (EPA Approved July 2004).

ID17040211SK003_04	Trapper Creek - from and including Squaw Cr. to reservoir	7.32	MILES
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Phosphorus (Total)

This pollutant replaces the previously listed pollutant "unknown".

Sedimentation/Siltation

5/10/12 (J. Tollefson) - "The load capacity for sediment was determined based on the origin of the sediment. In those instances where the sediment generated from stream bank erosion, the load capacity is based on the load generated from banks that are greater than 70% stable. This load defines the load capacity for the remaining segments of the stream." (p. 187). The load allocations can be found on p. 198 of the Goose Creek Subbasin Assessment and TMDL (EPA Approved July 2004).

ID17040211SK004_02	Trapper Creek - source to Squaw Creek	32.58	MILES
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Phosphorus (Total)

Sedimentation/Siltation

5/10/12 (J. Tollefson) - "The load capacity for sediment was determined based on the origin of the sediment. In those instances where the sediment generated from stream bank erosion, the load capacity is based on the load generated from banks that are greater than 70% stable. This load defines the load capacity for the remaining segments of the stream." (p. 187). The load allocations can be found on p. 198 of the Goose Creek Subbasin Assessment and TMDL (EPA Approved July 2004).

ID17040211SK004_03	Trapper Creek - source to Squaw Creek	8.96	MILES
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Phosphorus (Total)

Sedimentation/Siltation

5/10/12 (J. Tollefson) - "The load capacity for sediment was determined based on the origin of the sediment. In those instances where the sediment generated from stream bank erosion, the load capacity is based on the load generated from banks that are greater than 70% stable. This load defines the load capacity for the remaining segments of the stream." (p. 187). The load allocations can be found on p. 198 of the Goose Creek Subbasin Assessment and TMDL (EPA Approved July 2004).

ID17040211SK005_03	Goose Creek - Beaverdam Creek to Lower Goose Creek Reservoir	7.18	MILES
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Temperature, water

ID17040211SK005_05	Goose Creek - Beaverdam Creek to Lower Goose Creek Reservoir	18.78	MILES
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Sedimentation/Siltation

Temperature, water

ID17040211SK006_02	Beaverdam Creek - source to mouth	55.91	MILES
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Escherichia coli

Oxygen, Dissolved

Phosphorus (Total)

Temperature, water

Total Suspended Solids (TSS)

5/10/12 (J. Tollefson) - "The load capacity for sediment was determined based on the origin of the sediment. In instances where a numeric water column target is defined, the load capacity is based on the instream load that would be present when the target is met. For example, the instream TSS target for Beaverdam Creek and Left Hand Fork of Beaverdam Creek is 50 mg/L." (p. 187). The load allocations can be found on p. 198 of the Goose Creek Subbasin Assessment and TMDL (EPA Approved July 2004).

ID17040211SK006_03	Beaverdam Creek - source to mouth	6.31	MILES
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Escherichia coli

Oxygen, Dissolved

Phosphorus (Total)

Temperature, water

Total Suspended Solids (TSS)

5/10/12 (J. Tollefson) - A TSS target of 50 mg/L was established for this segment in the Goose Creek Subbasin Assessment and TMDL, approved July 25, 2004. "The load capacity for sediment was determined based on the origin of the sediment. In instances where a numeric water column target is defined, the load capacity is based on the instream load that would be present when the target is met" (p. 190). The load allocations can be found in Table 34 on p. 201-202 of the Goose Creek Subbasin Assessment and TMDL.

ID17040211SK009_02	Birch Creek - Idaho/Utah border to mouth	8.66	MILES
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Escherichia coli

ID17040211SK009_03	Birch Creek - Idaho/Utah border to mouth	2.28	MILES
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Escherichia coli

Phosphorus (Total)

ID17040211SK011_02	Cold Creek - source to mouth	15.73	MILES
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Temperature, water

ID17040211SK012_02	Unnamed tributary to Birch Creek	66.9	MILES
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Escherichia coli

Phosphorus (Total)

ID17040211SK012_03	Birch Creek - source to mouth	6.66	MILES
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Escherichia coli

Phosphorus (Total)

ID17040211SK012_04	Birch Creek - source to mouth	10.83	MILES
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Escherichia coli

Phosphorus (Total)

17040212 Upper Snake-Rock TMDL Approval Date

BILLINGSLEY CREEK Aug 23, 1993

ID17040212SK033_02	Billingsley Creek - source to mouth	8.13	MILES
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Phosphorus (Total)

Total Suspended Solids (TSS)

SNAKE RIVER WATERSHED. MIDDLE Apr 25, 1997

ID17040212SK001_07	Snake River - Lower Salmon Falls to Clover Creek	26.65	MILES
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Fecal Coliform

Phosphorus (Total)

ID17040212SK007_07	Snake River - Rock Creek to Box Canyon Creek	18.29	MILES
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Phosphorus (Total)

ID17040212SK020_07	Snake River - Milner Dam to Twin Falls	21.3	MILES
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Phosphorus (Total)

SNAKE-ROCK. UPPER Aug 25, 2000

ID17040212SK000_02	1st and 2nd order tribs to Yahoo and Deep Creek	392.29	MILES
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Fecal Coliform

Phosphorus (Total)

Total Suspended Solids (TSS)

ID17040212SK001_07	Snake River - Lower Salmon Falls to Clover Creek	26.65	MILES
Phosphorus (Total)			
ID17040212SK005_02	Snake River tribs containing Riley Creek and Sand Springs	17.37	MILES
Fecal Coliform			
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID17040212SK005_07	Snake River - Box Canyon Creek to Lower Salmon Falls	16.51	MILES
Phosphorus (Total)			
ID17040212SK007_02	2nd order segments of Briggs Creeks and Cedar Draw	15.69	MILES
Phosphorus (Total)			
ID17040212SK007_07	Snake River - Rock Creek to Box Canyon Creek	18.29	MILES
Phosphorus (Total)			
ID17040212SK008_02	Deep Creek - High Line Canal to mouth	15.81	MILES
Fecal Coliform			
ID17040212SK008_03	Deep Creek - High Line Canal to Snake River (3rd order)	9.74	MILES
Fecal Coliform			
ID17040212SK010_02	Mud Creek and Clear Creek	7.39	MILES
Fecal Coliform			
Phosphorus (Total)			
ID17040212SK010_03	Mud Creek - Deep Creek Road (T09S, R14E) to mouth	1.07	MILES
Fecal Coliform			
Phosphorus (Total)			
ID17040212SK011_02	Mud Creek - source to Deep Creek Road (T09S, R14E)	5.4	MILES
Fecal Coliform			
Phosphorus (Total)			
ID17040212SK012_02	Cedar Draw - source to mouth	17.99	MILES
Fecal Coliform			
Phosphorus (Total)			
ID17040212SK012_03	Cedar Draw - source to mouth	2.93	MILES
Fecal Coliform			
Phosphorus (Total)			
ID17040212SK013_04	Rock Creek -river mile 25 (T11S, R18E, Sec. 36) to mouth	4.63	MILES
Fecal Coliform			
Phosphorus (Total)			

ID17040212SK013_05	Rock Creek -river mile 25 (T11S, R18E, Sec. 36) to mouth	20.21	MILES
Fecal Coliform			
ID17040212SK014_02	North/Dry Cottonwood Creek - source to mouth	37.64	MILES
Fecal Coliform			
ID17040212SK014_04	Cottonwood Creek - 4th order segment	6.25	MILES
Fecal Coliform			
ID17040212SK015_02	McMullen Creek - source to mouth	49.99	MILES
Fecal Coliform			
Phosphorus (Total)			
ID17040212SK015_03	McMullen Creek - source to mouth	9.4	MILES
Fecal Coliform			
Phosphorus (Total)			
ID17040212SK016_04	Rock Creek	8.3	MILES
Fecal Coliform			
Phosphorus (Total)			
ID17040212SK019_07	Snake River - Twin Falls to Rock Creek	11.88	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID17040212SK020_07	Snake River - Milner Dam to Twin Falls	21.3	MILES
Phosphorus (Total)			
ID17040212SK022_03	Dry Creek - source to mouth	9.85	MILES
Fecal Coliform			
ID17040212SK023_02	West Fork Dry Creek - source to mouth	10.71	MILES
Fecal Coliform			
Phosphorus (Total)			
ID17040212SK027_02	Vinyard Creek - Vinyard Lake to mouth	10.81	MILES
Phosphorus (Total)			
ID17040212SK028_02	Clear Lakes	22.52	ACRES
Phosphorus (Total)			
ID17040212SK033_02	Billingsley Creek - source to mouth	8.13	MILES
Fecal Coliform			
Phosphorus (Total)			

ID17040212SK034_04	Clover Creek - Pioneer Reservoir Dam outlet to Snake River	10.09	MILES
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Fecal Coliform

Phosphorus (Total)

ID17040212SK035_04	Pioneer Reservoir	228.92	ACRES
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Phosphorus (Total)

ID17040212SK036_02	Clover Creek - source to Pioneer Reservoir	55.65	MILES
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Total Suspended Solids (TSS)

ID17040212SK036_04	Clover Creek - source to Pioneer Reservoir	26.03	MILES
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Phosphorus (Total)

Fish Bioassessment, Cause Unknown, and Combined Cold Water Biota were removed from the Cause section and TSS and TP were added. The Snake River (Middle)- Upper Snake Rock Subbasin TMDL (EPA approved August 2000) has identified TSS and TP as causes for impairment. A TMDL for sediment (TSS) and phosphorous was developed for Clover Creek. The load allocations for TP and TSS may be found in The Snake River (Middle)-Upper Snake Rock Subbasin TMDL, Clover Creek TMDL Segment 6-Middle Snake River, page 59. S. Woodhead 04/27/2012

Total Suspended Solids (TSS)

Fish Bioassessment, Cause Unknown, and Combined Cold Water Biota were removed from the Cause section and TSS and TP were added. The Snake River (Middle)- Upper Snake Rock Subbasin TMDL (EPA approved August 2000) has identified TSS and TP as causes for impairment. A TMDL for sediment (TSS) and phosphorous was developed for Clover Creek. The load allocations for TP and TSS may be found in The Snake River (Middle)-Upper Snake Rock Subbasin TMDL, Clover Creek TMDL Segment 6-Middle Snake River, page 59. S. Woodhead 04/27/2012

UPPER SNAKE ROCK SUBBASIN TMDL CITY OF TWIN FALLS TSS REVISION

Mar 30, 2011

ID17040212SK019_07	Snake River - Twin Falls to Rock Creek	11.88	MILES
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Total Suspended Solids (TSS)

UPPER SNAKE ROCK TMDL (MODIFICATION)

Sep 14, 2005

ID17040212SK000_02	1st and 2nd order tribs to Yahoo and Deep Creek	392.29	MILES
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Total Suspended Solids (TSS)

ID17040212SK001_02	Snake River - Lower Salmon Falls to Clover Creek	22.13	MILES
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Phosphorus (Total)

Total Suspended Solids (TSS)

ID17040212SK001_07	Snake River - Lower Salmon Falls to Clover Creek	26.65	MILES
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Phosphorus (Total)

Total Suspended Solids (TSS)

ID17040212SK005_02	Snake River tribs containing Riley Creek and Sand Springs	17.37	MILES
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Total Suspended Solids (TSS)

ID17040212SK005_07	Snake River - Box Canyon Creek to Lower Salmon Falls	16.51	MILES
Total Suspended Solids (TSS)			
ID17040212SK006_02	Riley Creek - source to mouth	4.16	MILES
Total Suspended Solids (TSS)			
ID17040212SK007_02	2nd order segments of Briggs Creeks and Cedar Draw	15.69	MILES
Total Suspended Solids (TSS)			
ID17040212SK007_07	Snake River - Rock Creek to Box Canyon Creek	18.29	MILES
Total Suspended Solids (TSS)			
ID17040212SK008_02	Deep Creek - High Line Canal to mouth	15.81	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID17040212SK008_03	Deep Creek - High Line Canal to Snake River (3rd order)	9.74	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID17040212SK010_02	Mud Creek and Clear Creek	7.39	MILES
Total Suspended Solids (TSS)			
ID17040212SK010_03	Mud Creek - Deep Creek Road (T09S, R14E) to mouth	1.07	MILES
Total Suspended Solids (TSS)			
ID17040212SK011_02	Mud Creek - source to Deep Creek Road (T09S, R14E)	5.4	MILES
Total Suspended Solids (TSS)			
ID17040212SK012_02	Cedar Draw - source to mouth	17.99	MILES
Total Suspended Solids (TSS)			
ID17040212SK012_03	Cedar Draw - source to mouth	2.93	MILES
Total Suspended Solids (TSS)			
ID17040212SK013_04	Rock Creek -river mile 25 (T11S, R18E, Sec. 36) to mouth	4.63	MILES
Total Suspended Solids (TSS)			
ID17040212SK013_05	Rock Creek -river mile 25 (T11S, R18E, Sec. 36) to mouth	20.21	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID17040212SK014_02	North/Dry Cottonwood Creek - source to mouth	37.64	MILES
Phosphorus (Total)			
Sedimentation/Siltation			

ID17040212SK014_04	Cottonwood Creek - 4th order segment	6.25	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID17040212SK015_02	McMullen Creek - source to mouth	49.99	MILES
Total Suspended Solids (TSS)			
ID17040212SK015_03	McMullen Creek - source to mouth	9.4	MILES
Total Suspended Solids (TSS)			
ID17040212SK016_04	Rock Creek	8.3	MILES
Total Suspended Solids (TSS)			
ID17040212SK019_02	Snake River - Twin Falls to Rock Creek	0.91	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID17040212SK019_07	Snake River - Twin Falls to Rock Creek	11.88	MILES
Total Suspended Solids (TSS)			
ID17040212SK020_07	Snake River - Milner Dam to Twin Falls	21.3	MILES
Total Suspended Solids (TSS)			
ID17040212SK022_03	Dry Creek - source to mouth	9.85	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID17040212SK023_02	West Fork Dry Creek - source to mouth	10.71	MILES
Total Suspended Solids (TSS)			
ID17040212SK028_02	Clear Lakes	22.52	ACRES
Total Suspended Solids (TSS)			
ID17040212SK031_02	Sand Springs	4.61	MILES
Phosphorus (Total)			
Total Suspended Solids (TSS)			
ID17040212SK033_02	Billingsley Creek - source to mouth	8.13	MILES
Total Suspended Solids (TSS)			
ID17040212SK034_04	Clover Creek - Pioneer Reservoir Dam outlet to Snake River	10.09	MILES
Total Suspended Solids (TSS)			
ID17040212SK035_04	Pioneer Reservoir	228.92	ACRES
Total Suspended Solids (TSS)			

ID17040212SK036_02	Clover Creek - source to Pioneer Reservoir	55.65	MILES
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Phosphorus (Total)

Total Suspended Solids (TSS)

ID17040212SK036_04	Clover Creek - source to Pioneer Reservoir	26.03	MILES
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Phosphorus (Total)

Fish Bioassessment, Cause Unknown, and Combined Cold Water Biota were removed from the Cause section and TSS and TP were added. The Snake River (Middle)- Upper Snake Rock Subbasin TMDL (EPA approved August 2000) has identified TSS and TP as causes for impairment. A TMDL for sediment (TSS) and phosphorous was developed for Clover Creek. The load allocations for TP and TSS may be found in The Snake River (Middle)-Upper Snake Rock Subbasin TMDL, Clover Creek TMDL Segment 6-Middle Snake River, page 59. S. Woodhead 04/27/2012

Total Suspended Solids (TSS)

Fish Bioassessment, Cause Unknown, and Combined Cold Water Biota were removed from the Cause section and TSS and TP were added. The Snake River (Middle)- Upper Snake Rock Subbasin TMDL (EPA approved August 2000) has identified TSS and TP as causes for impairment. A TMDL for sediment (TSS) and phosphorous was developed for Clover Creek. The load allocations for TP and TSS may be found in The Snake River (Middle)-Upper Snake Rock Subbasin TMDL, Clover Creek TMDL Segment 6-Middle Snake River, page 59. S. Woodhead 04/27/2012

17040213 Salmon Falls TMDL Approval Date

SALMON FALLS CREEK SUBBASIN TMDLS

Feb 27, 2008

ID17040213SK000_04	Cedar Creek-reservoir to Salmon Falls Creek	19.53	MILES
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Sedimentation/Siltation

Temperature, water

ID17040213SK001_06	Salmon Falls Creek - Devil Creek to mouth	21.9	MILES
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Nitrogen (Total)

Phosphorus (Total) This pollutant replaces the previously listed pollutant unknown.

Temperature, water

Total Suspended Solids (TSS)

ID17040213SK002_03	Devil Creek	26.46	MILES
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Temperature, water

ID17040213SK002_04	Devil Creek - 4th order segment to mouth	15.79	MILES
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Temperature, water

ID17040213SK003_06	Salmon Falls Creek - Salmon Falls Creek Dam to Devil Creek	27.56	MILES
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Nitrogen (Total)

Phosphorus (Total)

Temperature, water

Total Suspended Solids (TSS)

ID17040213SK004_02	01 & 02 tribs Cedar Creek Reservoir	29.14	MILES
Phosphorus (Total)			
Sedimentation/Siltation			
Temperature, water			
ID17040213SK004_0L	Cedar Creek Reservoir	970.63	ACRES
Phosphorus (Total)			
Sedimentation/Siltation			
Temperature, water			
ID17040213SK005_02	House Creek - source to Cedar Creek Reservoir	56.59	MILES
Phosphorus (Total)			
Sedimentation/Siltation			
Temperature, water			
ID17040213SK005_03	House Creek - source to Cedar Creek Reservoir	10.25	MILES
Phosphorus (Total)			
Sedimentation/Siltation			
Temperature, water			
ID17040213SK005_04	House Creek - source to Cedar Creek Reservoir	2.58	MILES
Phosphorus (Total)			
Sedimentation/Siltation			
Temperature, water			
ID17040213SK006_02	Cedar Creek - source to Cedar Creek Reservoir	44.26	MILES
Phosphorus (Total)			
Sedimentation/Siltation			
Temperature, water			
ID17040213SK006_03	Cedar Creek - source to Cedar Creek Reservoir	3.52	MILES
Phosphorus (Total)			
Sedimentation/Siltation			
Temperature, water			
ID17040213SK007L_0L	Salmon Falls Creek Reservoir	2648.81	ACRES
Mercury			
Phosphorus (Total)			
Sedimentation/Siltation			
Temperature, water			

ID17040213SK008_02	China, Browns, Corral, Player Creeks	47.59	MILES
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Phosphorus (Total)

4/17/2012 (JT) - A TMDL was written for this assessment unit to address excess total phosphorus (Salmon Falls Creek TMDL, EPA Approved 2007).

Temperature, water

4/17/2012 (JT) - A TMDL was written for this assessment unit to address excess temperature (Salmon Falls Creek TMDL, EPA Approved 2007).

ID17040213SK008_03	China Creek	3.21	MILES
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Phosphorus (Total)

Sedimentation/Siltation

Temperature, water

ID17040213SK009_06	Salmon Falls Creek-Idaho/Nevada border to Salmon Falls Creek	8.68	MILES
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Phosphorus (Total)

Sedimentation/Siltation

Temperature, water

Total Suspended Solids (TSS)

ID17040213SK010_02	North Fork Salmon Falls Creek-source to Idaho/Nevada border	26.77	MILES
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Temperature, water

ID17040213SK010_03	North Fork Salmon Falls Creek-source to Idaho/Nevada border	0.85	MILES
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Temperature, water

ID17040213SK011_04	Shoshone Creek - Hot Creek to Idaho/Nevada border	11.05	MILES
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Sedimentation/Siltation

Temperature, water

ID17040213SK012_02	Hot Creek - Idaho/Nevada border to mouth	28.62	MILES
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Temperature, water

ID17040213SK012_03	Hot Creek - Idaho/Nevada border to mouth	3.53	MILES
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Temperature, water

ID17040213SK012_03A	Hot Creek	1.68	MILES
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Temperature, water

ID17040213SK012_04	Hot Creek - Idaho/Nevada border to mouth	0.11	MILES
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Temperature, water

ID17040213SK013_04	Shoshone Creek - Cottonwood Creek to Hot Creek	9.36	MILES
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Sedimentation/Siltation

Temperature, water

ID17040213SK014_02	Big Creek - source to mouth	38.25	MILES
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Phosphorus (Total)

Sedimentation/Siltation

Temperature, water

ID17040213SK014_03	Big Creek - source to mouth	7.17	MILES
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Phosphorus (Total)

Sedimentation/Siltation

Temperature, water

ID17040213SK015_02	Cottonwood Creek - source to mouth	36.63	MILES
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Escherichia coli

Phosphorus (Total)

Sedimentation/Siltation

Temperature, water

ID17040213SK015_03	Cottonwood Creek - source to mouth	3.55	MILES
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Escherichia coli

Phosphorus (Total)

Sedimentation/Siltation

Temperature, water

ID17040213SK016_02	Shoshone Creek - source to Cottonwood Creek	55.89	MILES
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Sedimentation/Siltation

Temperature, water

ID17040213SK016_03	Shoshone Creek - source to Cottonwood Creek	11.69	MILES
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Sedimentation/Siltation

Temperature, water

17040214	Beaver-Camas	TMDL Approval Date	
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BEAVER-CAMAS SUBBASIN TMDL	Aug 04, 2005
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ID17040214SK002_05	Camas Creek - Spring Creek to Beaver Creek	41.34	MILES
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Sedimentation/Siltation

Temperature, water

ID17040214SK010_02	East Camas Creek	2.43	MILES
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Temperature, water

ID17040214SK010_03	East Camas Creek	4.25	MILES
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Temperature, water

ID17040214SK011_02	East Camas Creek - source to Larkspur Creek	9.66	MILES
Temperature, water			
ID17040214SK011_03	East Camas Creek - source to Larkspur Creek	3.39	MILES
Temperature, water			
ID17040214SK012_03	West Camas Creek	21.35	MILES
Temperature, water			
ID17040214SK013_02	West Camas Creek -source to Targhee National Forest Boundary	52.58	MILES
Temperature, water			
ID17040214SK013_03	West Camas Creek -source to Targhee National Forest Boundary	6.54	MILES
Temperature, water			
ID17040214SK014_05	Beaver Creek - Dry Creek to canal (T09N, R36E)	15.7	MILES
Temperature, water			
ID17040214SK017_02	Threemile Creek - source to mouth	23.1	MILES
Temperature, water			
ID17040214SK017_03	Threemile Creek - source to mouth	1.82	MILES
Temperature, water			
ID17040214SK018_04	Beaver Creek - Miners Creek to Rattlesnake Creek	8.93	MILES
Temperature, water			
ID17040214SK020_03	Beaver Creek - Idaho Creek to Miners Creek	3.63	MILES
Temperature, water			
ID17040214SK021_02	Beaver Creek - source to Idaho Creek	68.41	MILES
Temperature, water			
ID17040214SK021_03	Beaver Creek - source to Idaho Creek	5.36	MILES
Temperature, water			
ID17040214SK024_02	Huntley Canyon Creek - source to mouth	5.78	MILES
Temperature, water			
17040215	Medicine Lodge	TMDL Approval Date	
MEDICINE LODGE SUBBASIN		May 06, 2003	
ID17040215SK002_04	Medicine Lodge Creek	51.11	MILES
Sedimentation/Siltation			
Temperature, water			
ID17040215SK003_02	Indian Creek - confluence of West and East Fork Indian Creek	10.48	MILES
Temperature, water			

ID17040215SK003_03	Indian Creek - confluence of West and East Fork Indian Creek	6.04	MILES
Temperature, water			
ID17040215SK006_04	Medicine Lodge Creek - Edie Creek to Indian Creek	14.73	MILES
Sedimentation/Siltation			
Temperature, water			
ID17040215SK007_02	Middle Creek - Dry Creek to mouth	27.35	MILES
Temperature, water			
ID17040215SK007_03	Middle Creek - Dry Creek to mouth	5.61	MILES
Temperature, water			
ID17040215SK008_02	Middle Creek - source to Dry Creek	12.12	MILES
Temperature, water			
ID17040215SK010_02	Edie Creek - source to mouth	10.17	MILES
Sedimentation/Siltation			
Temperature, water			
ID17040215SK011_02	Medicine Lodge Creek	19.16	MILES
Sedimentation/Siltation			
Temperature, water			
ID17040215SK011_03	Medicine Lodge Creek	1.83	MILES
Sedimentation/Siltation			
Temperature, water			
ID17040215SK011_04	Medicine Lodge Creek	3.82	MILES
Sedimentation/Siltation			
Temperature, water			
ID17040215SK012_02	Irving Creek - source to mouth	13.69	MILES
Sedimentation/Siltation			
Temperature, water			
ID17040215SK012_03	Irving Creek - source to mouth	2.56	MILES
Temperature, water			
ID17040215SK013_02	Warm Creek - source to mouth	14.89	MILES
Temperature, water			
ID17040215SK013_03	Warm Creek - source to mouth	2.45	MILES
Temperature, water			
ID17040215SK015_02	Horse Creek - source to mouth	8.43	MILES
Temperature, water			

ID17040215SK016_02	Fritz Creek - source to mouth	15.27	MILES
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Temperature, water

ID17040215SK017_02	Webber Creek - source to mouth	28.27	MILES
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Temperature, water

ID17040215SK018_02	Deep Creek - source to mouth	77.09	MILES
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Temperature, water

ID17040215SK018_03	Deep Creek - source to mouth	8.96	MILES
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Temperature, water

ID17040215SK020_02	Warm Springs Creek - source to mouth	85.39	MILES
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Sedimentation/Siltation

ID17040215SK020_03	Warm Springs Creek - source to mouth	27.54	MILES
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Sedimentation/Siltation

ID17040215SK021_02	Crooked Creek - source to mouth	53.09	MILES
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Temperature, water

ID17040215SK021_03	Crooked Creek - source to mouth	3.67	MILES
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Sedimentation/Siltation

Temperature, water

17040217	Little Lost	TMDL Approval Date
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LITTLE LOST RIVER SUBBASIN

Sep 27, 2000

ID17040217SK002_05	Little Lost River - Big Spring Creek to canal (T06N, R28E)	5.78	MILES
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Sedimentation/Siltation

ID17040217SK007_04	Little Lost River - Badger Creek to Big Spring Creek	14.16	MILES
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Sedimentation/Siltation

Temperature, water

ID17040217SK009_04	Little Lost River - Wet Creek to Badger Creek	8.89	MILES
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Sedimentation/Siltation

ID17040217SK010_04	Little Lost River - confluence of Summit and Sawmill Creeks	8.55	MILES
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Sedimentation/Siltation

Temperature, water

ID17040217SK012_04	Sawmill Creek - Warm Creek to mouth	8.13	MILES
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Sedimentation/Siltation

Temperature, water

ID17040217SK014_04	Sawmill Creek	7.65	MILES
Sedimentation/Siltation			
ID17040217SK017_02	Main Fork - source to mouth	15.66	MILES
Sedimentation/Siltation			
ID17040217SK017_03	Main Fork - source to mouth	2.69	MILES
Sedimentation/Siltation			
ID17040217SK022_03	Wet Creek - Squaw Creek to mouth	8.36	MILES
Temperature, water			
ID17040217SK024_02	Wet Creek - source to Squaw Creek	53.23	MILES
Sedimentation/Siltation			
ID17040217SK024_03	Wet Creek - source to Squaw Creek	5.8	MILES
Sedimentation/Siltation			
Temperature, water			

17040218 Big Lost TMDL Approval Date

BIG LOST RIVER SUBBASIN TMDL Aug 03, 2004

ID17040218SK016_02	Thousand Springs Creek - source to mouth	20.15	MILES
Sedimentation/Siltation			
ID17040218SK016_03	Thousand Springs Creek - source to mouth	12.03	MILES
Sedimentation/Siltation			
ID17040218SK026_02	Bridge Creek - source to mouth	21.5	MILES
Sedimentation/Siltation			
ID17040218SK026_03	Bridge Creek - source to mouth	3.94	MILES
Sedimentation/Siltation			
ID17040218SK027_03	North Fork Big Lost River - source to mouth	12.56	MILES
Sedimentation/Siltation			
Temperature, water			
ID17040218SK028_02	Summit Creek - source to mouth	33.33	MILES
Sedimentation/Siltation			
Temperature, water			
ID17040218SK030_04	Wildhorse Creek - Fall Creek to mouth	4.96	MILES
Temperature, water			

Temperature TMDL criteria is based on Idaho's existing numeric criteria for salmonid spawning. Instream targets shall be less than the instantaneous temperature of 13°C and the maximum daily average temperature below 9°C during salmonid spawning periods. Refer to Table 60 on page 140 of the Big Lost River Subbasin Assessment and TMDL, approved August 3, 2004, for load allocations.

ID17040218SK033_02	East Fork Big Lost River - Cabin Creek to mouth	58.57	MILES
Sedimentation/Siltation			
Spring and Fall exceedence of spawning temperature criteria. EPA approved a TMDL on this AU May 2004. It will be found in NTTS as an ID_UNL segment. This pollutant was added to documnet the TMDL.All aquatic life uses are and have been full support. Salmonids abundant; no Bulltrout.			
ID17040218SK033_03	East Fork Big Lost River - Cabin Creek to mouth	1.9	MILES
Sedimentation/Siltation			
ID17040218SK033_04	East Fork Big Lost River - Cabin Creek to mouth	18.35	MILES
Sedimentation/Siltation			
ID17040218SK035_02	Star Hope Creek - Lake Creek to mouth	17.09	MILES
Sedimentation/Siltation			
Temperature, water			
ID17040218SK035_04	Star Hope Creek - Lake Creek to mouth	7.77	MILES
Sedimentation/Siltation			
Temperature, water			
Spring and Fall exceedence of spawning temperature criteria. EPA approved a TMDL on this AU May 2004. It will be found in NTTS as an ID_UNL segment. This pollutant was added to documnet the TMDL. All aquatic life uses are and have been full support. Salmonids abundant; no Bulltrout.			
ID17040218SK036_04	Star Hope Creek - source to Lake Creek	3.33	MILES
Sedimentation/Siltation			
Temperature, water			
ID17040218SK039_02	East Fork Big Lost River - source to Cabin Creek	37.59	MILES
Sedimentation/Siltation			
ID17040218SK039_03	East Fork Big Lost River - source to Cabin Creek	5.36	MILES
Sedimentation/Siltation			
ID17040218SK041_02	Corral Creek - source to mouth	18.03	MILES
Sedimentation/Siltation			
Temperature, water			
ID17040218SK043_02	Warm Springs Creek - source to mouth	65.12	MILES
Temperature, water			
12/23/2009 (NED) - During the development of the TMDL it was determined that the cause of the biological impairment (Cause Unknown) was elevated temperature.			
ID17040218SK043_03	Warm Springs Creek - source to mouth	1.18	MILES
Temperature, water			
ID17040218SK046_02	Antelope Creek - Spring Creek to mouth	49.56	MILES
Sedimentation/Siltation			
Temperature, water			
ID17040218SK047_04	Antelope Creek - Dry Fork Creek to Spring Creek	3.56	MILES
Sedimentation/Siltation			

ID17040218SK049_04	Cherry Creek-confluence of Left Fork Cherry and Lupine Creek	13.47	MILES
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Sedimentation/Siltation

ID17040218SK049_05	Cherry Creek-confluence of Left Fork Cherry and Lupine Creek	0.65	MILES
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Sedimentation/Siltation

ID17040218SK053_03	Bear Creek - source to mouth	5.09	MILES
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Sedimentation/Siltation

Temperature, water

BIG LOST RIVER TMDL (REVISED & UPDATED)

Dec 14, 2011

ID17040218SK006_06	Lower Pass Creek - source to mouth	3.95	MILES
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Temperature, water

9/7/2012 (NED) - Temperature load reductions are provided in Section 5.3.4 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011. This reach of the Big Lost River, below Mackay Reservoir, carries a current heat load of 8,512,363 kWh/day with a load capacity of 6,626,765 kWh/day, equaling an excess load of 1,888,598 kWh/day-which equals a 22% load reduction. For additional information refer to Section 5.3.3, Table 23 on page 51, Figures 17-19 on pages 64-66 and Section 5.3.4, Table 28 on page 75 of the TMDL.

ID17040218SK007_05	Big Lost River - Alder Creek to Antelope Creek	16.58	MILES
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Temperature, water

9/7/2012 (NED) - Temperature load reductions are provided in Section 5.3.4 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011. This reach of the Big Lost River, below Mackay Reservoir, carries a current heat load of 8,512,363 kWh/day with a load capacity of 6,626,765 kWh/day, equaling an excess load of 1,888,598 kWh/day-which equals a 22% load reduction. For additional information refer to Section 5.3.3, Table 23 on page 51, Figures 17-19 on pages 64-66 and Section 5.3.4, Table 28 on page 75 of the TMDL.

ID17040218SK010_05	Big Lost River - Beck and Evan Ditch to Alder Creek	7.82	MILES
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Temperature, water

9/7/2012 (NED) - Temperature load reductions are provided in Section 5.3.4 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011. This reach of the Big Lost River, below Mackay Reservoir, carries a current heat load of 8,512,363 kWh/day with a load capacity of 6,626,765 kWh/day, equaling an excess load of 1,888,598 kWh/day-which equals a 22% load reduction. For additional information refer to Section 5.3.3, Table 23 on page 51, Figures 17-19 on pages 64-66 and Section 5.3.4, Table 28 on page 75 of the TMDL.

ID17040218SK011_05	Big Lost River - McKay Reservoir Dam to Beck and Evan Ditch	14.71	MILES
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Temperature, water

9/7/2012 (NED) - Temperature load reductions are provided in Section 5.3.4 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011. This reach of Big Lost River, below Mackay Reservoir, carries a current heat load of 8,512,363 kWh/day with a load capacity of 6,626,765 kWh/day, equaling an excess load of 1,888,598 kWh/day-which equals a 22% load reduction. For additional information refer to Section 5.3.3, Table 23 on page 51, Figures 17-19 on pages 64-66 and Section 5.3.4, Table 28 on page 75 of the TMDL.

ID17040218SK013_05	Big Lost River - Jones Creek to McKay Reservoir	4.14	MILES
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Sedimentation/Siltation

06/28/2012 (DDS) - Sediment load reductions are provided in Section 5.1.4 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011. This AU plus adjacent reach ID17040218SK015_05 carries a current sediment load of 206 tons per year with a load capacity of 6 tons per year, for a required load reduction of 200 tons per year.

Temperature, water

06/28/2012 (DDS) - Temperature load reductions are provided in Section 5.3.4 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011. This AU, along with adjacent reach ID17040218SK015_05, carries a current heat load of 7,038,048 kWh/day with a load capacity of 5,293,062 kWh/day, equaling an excess load of 1,744,986 kWh/day-which equals a 25% load reduction. For additional information refer to Section 5.3.3, Table 22 on page 50, Figures 17-19 on pages 64-66 and Section 5.3.4, Table 28 on page 75 of the TMDL.

ID17040218SK015_05	Big Lost River - Thousand Springs Creek to Jones Creek	4.77	MILES
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Sedimentation/Siltation

06/28/2012 (DDS) - Sediment load reductions are provided in Section 5.1.4 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011. This AU plus adjacent reach ID17040218SK013_05 carries a current sediment load of 206 tons per year with a load capacity of 6 tons per year, for a required load reduction of 200 tons per year.

Temperature, water

06/28/2012 (DDS) - Temperature load reductions are provided in Section 5.3.4 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011. This AU, along with adjacent reach ID17040218SK013_05, carries a current heat load of 7,038,048 kWh/day with a load capacity of 5,293,062 kWh/day, equaling an excess load of 1,744,986 kWh/day-which equals a 25% load reduction. For additional information refer to Section 5.3.3, Table 22 on page 50, Figures 17-19 on pages 64-66 and Section 5.3.4, Table 28 on page 75 of the TMDL.

ID17040218SK016_02	Thousand Springs Creek - source to mouth	20.15	MILES
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Sedimentation/Siltation

Temperature, water

ID17040218SK022_02	Sage Creek - source to mouth	35.62	MILES
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Escherichia coli

ID17040218SK024_05	Big Lost River - Burnt Creek to Thousand Springs Creek	21.44	MILES
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Sedimentation/Siltation

06/28/2012 (DDS) - Sediment load reductions are provided in Section 5.1.4 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011. This AU carries a current sediment load of 9 tons per year with a load capacity of 4 tons per year, for a required load reduction of 5 tons per year-a 56% reduction.

Temperature, water

06/28/2012 (DDS) - Temperature load reductions are provided in Section 5.3.4 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011. This AU carries a current heat load of 7,038,048 kWh/day with a load capacity of 5,293,062 kWh/day, equaling an excess load of 1,744,986 kWh/day-which equals a 25% load reduction. For additional information refer to Section 5.3.3, Table 22 on page 50, Figures 14-16 on pages 61-63 and Section 5.3.4, Table 28 on page 75 of the TMDL.

This PNV temperature TMDL replaces the mass balance temperature TMDL in the "Big Lost River Watershed Subbasin Assessment and TMDL" approved by EPA in 2004.

ID17040218SK025_05	Big Lost River - Summit Creek to and including Burnt Creek	5.43	MILES
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Temperature, water

6/29/2012 (NED) - Temperature load reductions are provided in Section 5.3.4 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011. This AU carries a current heat load of 7,038,048 kWh/day with a load capacity of 5,293,062 kWh/day, equaling an excess load of 1,744,986 kWh/day-which equals a 25% load reduction. For additional information refer to Section 5.3.3, Table 22 on page 50, Figures 14-16 on pages 61-63 and Section 5.3.4, Table 28 on page 75 of the TMDL.

This PNV temperature TMDL replaces the mass balance temperature TMDL in the "Big Lost River Watershed Subbasin Assessment and TMDL" approved by EPA in 2004.

ID17040218SK026_02	Bridge Creek - source to mouth	21.5	MILES
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Temperature, water

06/28/2012 (NED) - Temperature load reductions are provided in Section 5.3.4 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011. The Twin Bridges Creek Tributaries carry a current heat load of 170,674 kWh/day with a load capacity of 110,503 kWh/day, equaling an excess load of 60,171 kWh/day-which equals a 35% load reduction. For additional information refer to Section 5.3.3, Tables 25 and 26 on pages 52 and 53 of the TMDL.

ID17040218SK026_03	Bridge Creek - source to mouth	3.94	MILES
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Temperature, water

ID17040218SK033_02	East Fork Big Lost River - Cabin Creek to mouth	58.57	MILES
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Temperature, water

6/29/2012 (NED) - Temperature load reductions are provided in Section 5.3.4 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011. This AU carries a current heat load of 3,129,889 kWh/day with a load capacity of 2,569,939 kWh/day, equaling an excess load of 559,950 kWh/day-which equals a 18% load reduction. For additional information refer to Section 5.3.3, Table 21 on page 49, Figures 11-13 on pages 58-60 and Section 5.3.4, Table 28 on page 75 of the TMDL.

This PNV temperature TMDL replaces the mass balance temperature TMDL in the "Big Lost River Watershed Subbasin Assessment and TMDL" approved by EPA in 2004.

ID17040218SK033_03	East Fork Big Lost River - Cabin Creek to mouth	1.9	MILES
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Temperature, water

6/29/2012 (NED) - Temperature load reductions are provided in Section 5.3.4 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011. This AU carries a current heat load of 3,129,889 kWh/day with a load capacity of 2,569,939 kWh/day, equaling an excess load of 559,950 kWh/day-which equals a 18% load reduction. For additional information refer to Section 5.3.3, Table 21 on page 49, Figures 11-13 on pages 58-60 and Section 5.3.4, Table 28 on page 75 of the TMDL.

This PNV temperature TMDL replaces the mass balance temperature TMDL in the "Big Lost River Watershed Subbasin Assessment and TMDL" approved by EPA in 2004.

ID17040218SK033_04	East Fork Big Lost River - Cabin Creek to mouth	18.35	MILES
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Temperature, water

6/29/2012 (NED) - Temperature load reductions are provided in Section 5.3.4 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011. This AU carries a current heat load of 3,129,889 kWh/day with a load capacity of 2,569,939 kWh/day, equaling an excess load of 559,950 kWh/day-which equals a 18% load reduction. For additional information refer to Section 5.3.3, Table 21 on page 49, Figures 11-13 on pages 58-60 and Section 5.3.4, Table 28 on page 75 of the TMDL.

This PNV temperature TMDL replaces the mass balance temperature TMDL in the "Big Lost River Watershed Subbasin Assessment and TMDL" approved by EPA in 2004.

ID17040218SK039_02	East Fork Big Lost River - source to Cabin Creek	37.59	MILES
Temperature, water	<p>6/29/2012 (NED) - Temperature load reductions are provided in Section 5.3.4 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011. This AU carries a current heat load of 3,129,889 kWh/day with a load capacity of 2,569,939 kWh/day, equaling an excess load of 559,950 kWh/day-which equals a 18% load reduction. For additional information refer to Section 5.3.3, Table 21 on page 49, Figures 11-13 on pages 58-60 and Section 5.3.4, Table 28 on page 75 of the TMDL.</p> <p>This PNV temperature TMDL replaces the mass balance temperature TMDL in the "Big Lost River Watershed Subbasin Assessment and TMDL" approved by EPA in 2004.</p>		
ID17040218SK039_03	East Fork Big Lost River - source to Cabin Creek	5.36	MILES
Temperature, water	<p>6/29/2012 (NED) - Temperature load reductions are provided in Section 5.3.4 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011. This AU carries a current heat load of 3,129,889 kWh/day with a load capacity of 2,569,939 kWh/day, equaling an excess load of 559,950 kWh/day-which equals a 18% load reduction. For additional information refer to Section 5.3.3, Table 21 on page 49, Figures 11-13 on pages 58-60 and Section 5.3.4, Table 28 on page 75 of the TMDL.</p> <p>This PNV temperature TMDL replaces the mass balance temperature TMDL in the "Big Lost River Watershed Subbasin Assessment and TMDL" approved by EPA in 2004.</p>		
ID17040218SK046_05	Antelope Creek - Spring Creek to mouth	26.73	MILES
Temperature, water	<p>9/6/2012 (NED) - Temperature load reductions are provided in Section 5.3.4 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011. Antelope Creek carries a current heat load of 2,453,739 kWh/day with a load capacity of 1,755,685 kWh/day, equaling an excess load of 698,054 kWh/day-which equals a 28% load reduction. For additional information refer to Section 5.3.3, Table 19 on pages 46-47, Figures 8-10 on pages 55-57 and Section 5.3.4, Table 28 on page 75 of the TMDL.</p>		
ID17040218SK047_04	Antelope Creek - Dry Fork Creek to Spring Creek	3.56	MILES
Temperature, water	<p>6/29/2012 (NED) - Temperature load reductions are provided in Section 5.3.4 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011. This AU carries a current heat load of 2,453,739 kWh/day with a load capacity of 1,755,685 kWh/day, equaling an excess load of 698,054 kWh/day-which equals a 28% load reduction. For additional information refer to Section 5.3.3, Table 19 on pages 46-47, Figures 8-10 on pages 55-57 and Section 5.3.4, Table 28 on page 75 of the TMDL.</p> <p>This PNV temperature TMDL replaces the mass balance temperature TMDL in the "Big Lost River Watershed Subbasin Assessment and TMDL" approved by EPA in 2004.</p>		
ID17040218SK047_05	Antelope Creek - Dry Fork Creek to Spring Creek	0.25	MILES
Temperature, water	<p>9/6/2012 (NED) - Temperature load reductions are provided in Section 5.3.4 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011. Antelope Creek carries a current heat load of 2,453,739 kWh/day with a load capacity of 1,755,685 kWh/day, equaling an excess load of 698,054 kWh/day-which equals a 28% load reduction. For additional information refer to Section 5.3.3, Table 19 on pages 46-47, Figures 8-10 on pages 55-57 and Section 5.3.4, Table 28 on page 75 of the TMDL.</p>		
ID17040218SK049_04	Cherry Creek-confluence of Left Fork Cherry and Lupine Creek	13.47	MILES
Temperature, water	<p>6/29/2012 (NED) - Temperature load reductions are provided in Section 5.3.4 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011. This AU carries a current heat load of 2,453,739 kWh/day with a load capacity of 1,755,685 kWh/day, equaling an excess load of 698,054 kWh/day-which equals a 28% load reduction. For additional information refer to Section 5.3.3, Table 19 on pages 46-47, Figures 8-10 on pages 55-57 and Section 5.3.4, Table 28 on page 75 of the TMDL.</p> <p>This PNV temperature TMDL replaces the mass balance temperature TMDL in the "Big Lost River Watershed Subbasin Assessment and TMDL" approved by EPA in 2004.</p>		

ID17040218SK049_05	Cherry Creek-confluence of Left Fork Cherry and Lupine Creek	0.65	MILES
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Temperature, water

6/29/2012 (NED) - Temperature load reductions are provided in Section 5.3.4 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011. This AU carries a current heat load of 2,453,739 kWh/day with a load capacity of 1,755,685 kWh/day, equaling an excess load of 698,054 kWh/day-which equals a 28% load reduction. For additional information refer to Section 5.3.3, Table 19 on pages 46-47, Figures 8-10 on pages 55-57 and Section 5.3.4, Table 28 on page 75 of the TMDL.

This PNV temperature TMDL replaces the mass balance temperature TMDL in the "Big Lost River Watershed Subbasin Assessment and TMDL" approved by EPA in 2004.

ID17040218SK052_04	Antelope Creek - Iron Bog Creek to Dry Fork Creek	12.44	MILES
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Temperature, water

9/6/2012 (NED) - Temperature load reductions are provided in Section 5.3.4 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011. Antelope Creek carries a current heat load of 2,453,739 kWh/day with a load capacity of 1,755,685 kWh/day, equaling an excess load of 698,054 kWh/day-which equals a 28% load reduction. For additional information refer to Section 5.3.3, Table 19 on pages 46-47, Figures 8-10 on pages 55-57 and Section 5.3.4, Table 28 on page 75 of the TMDL.

ID17040218SK057_02	Antelope Creek - source to Iron Bog Creek	19.15	MILES
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Temperature, water

9/6/2012 (NED) - Temperature load reductions are provided in Section 5.3.4 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011. Antelope Creek carries a current heat load of 2,453,739 kWh/day with a load capacity of 1,755,685 kWh/day, equaling an excess load of 698,054 kWh/day-which equals a 28% load reduction. For additional information refer to Section 5.3.3, Table 19 on pages 46-47, Figures 8-10 on pages 55-57 and Section 5.3.4, Table 28 on page 75 of the TMDL.

ID17040218SK057_03	Antelope Creek - source to Iron Bog Creek	3.49	MILES
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Temperature, water

9/6/2012 (NED) - Temperature load reductions are provided in Section 5.3.4 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011. Antelope Creek carries a current heat load of 2,453,739 kWh/day with a load capacity of 1,755,685 kWh/day, equaling an excess load of 698,054 kWh/day-which equals a 28% load reduction. For additional information refer to Section 5.3.3, Table 19 on pages 46-47, Figures 8-10 on pages 55-57 and Section 5.3.4, Table 28 on page 75 of the TMDL.

ID17040218SK058_02	Leadbelt Creek - source to mouth	16.82	MILES
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Temperature, water

9/7/2012 (NED) - Temperature load reductions are provided in Section 5.3.4 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011. Leadbelt Creek carries a current heat load of 140,085 kWh/day with a load capacity of 85,561 kWh/day, equaling an excess load of 54,524 kWh/day-which equals a 39% load reduction. For additional information refer to Section 5.3.3, Table 20 on page 48, Figures 8-10 on pages 55-57 and Section 5.3.4, Table 28 on page 75 of the TMDL.

MEDICINE LODGE SUBBASIN

May 06, 2003

ID17040218SK030_04	Wildhorse Creek - Fall Creek to mouth	4.96	MILES
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Sedimentation/Siltation

Sediment targets for this subbasin are based on streambank erosion related to streambank stability of 80%.

17040219

Big Wood

TMDL Approval Date

BIG WOOD RIVER TMDL REVISION

Feb 09, 2012

ID17040219SK004_05	Big Wood River - Seamans Creek to Magic Reservoir	39.45	MILES
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Escherichia coli

BIG WOOD RIVER WATERSHED

May 15, 2002

ID17040219SK001_06	Malad River - confluence of Black Canyon Creek and Big Wood	17.34	MILES
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Escherichia coli

Phosphorus (Total)

Sedimentation/Siltation

ID17040219SK002_06	Big Wood River - Magic Reservoir Dam to mouth	62.53	MILES
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Escherichia coli

Phosphorus (Total)

Sedimentation/Siltation

ID17040219SK003L_0L	Magic Reservoir	3563.54	ACRES
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Sedimentation/Siltation

ID17040219SK004_05	Big Wood River - Seamans Creek to Magic Reservoir	39.45	MILES
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Phosphorus (Total)

Sedimentation/Siltation

ID17040219SK005_05	Seamans Creek - Slaughterhouse Creek to mouth	5.62	MILES
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Escherichia coli

4/12/2012 (S. Woodhead) - E. coli loads recalculated due to past flow calculation. See Errata to the Big Wood River Watershed Management Plan (TMDL) of 2002, November 2011. This AU is well below all 3 points of discharge for which the errata was developed to accommodate. This was done strategically to protect the receiving waters downstream of the point sources.

Phosphorus (Total)

Sedimentation/Siltation

ID17040219SK006_02	Seamans Creek - source to and including Slaughterhouse Creek	40.22	MILES
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Phosphorus (Total)

Sedimentation/Siltation

ID17040219SK006_03	Seamans Creek - source to and including Slaughterhouse Creek	4.34	MILES
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Phosphorus (Total)

Sedimentation/Siltation

ID17040219SK006_05	Seamans Creek - source to and including Slaughterhouse Creek	0.21	MILES
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Phosphorus (Total)

Sedimentation/Siltation

ID17040219SK008_02	Quigley Creek - source to mouth	15.87	MILES
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Phosphorus (Total)

Sedimentation/Siltation

ID17040219SK011_02	East Fork Wood River - source to Hyndman Creek	40.69	MILES
Phosphorus (Total)			
Sedimentation/Siltation			
ID17040219SK011_03	East Fork Wood River - source to Hyndman Creek	9.66	MILES
Phosphorus (Total)			
Sedimentation/Siltation			
ID17040219SK015_03	Lake Creek - source to mouth	6.97	MILES
Phosphorus (Total)			
ID17040219SK016_02	Eagle Creek - source to mouth	12.78	MILES
Phosphorus (Total)			
Sedimentation/Siltation			
ID17040219SK016_03	Eagle Creek - source to mouth	1.56	MILES
Phosphorus (Total)			
Sedimentation/Siltation			
ID17040219SK024_02	Warm Springs Creek - source to and including Thompson Creek	73.68	MILES
Phosphorus (Total)			
ID17040219SK024_03	Warm Springs Creek - source to and including Thompson Creek	7.74	MILES
Phosphorus (Total)			
ID17040219SK025_02	Greenhorn Creek - source USFS boundary	24.65	MILES
Phosphorus (Total)			
Sedimentation/Siltation			
ID17040219SK025_03	Greenhorn Creek - source to mouth	4.48	MILES
Phosphorus (Total)			
Sedimentation/Siltation			
ID17040219SK027_02	Croy Creek - source to mouth	37.33	MILES
Sedimentation/Siltation			
ID17040219SK027_03	Croy Creek - source to mouth	8.36	MILES
Phosphorus (Total)			
Sedimentation/Siltation			
Total Suspended Solids (TSS)			
ID17040219SK028_02	Rock Creek - source to mouth	39.4	MILES
Escherichia coli			
Phosphorus (Total)			
Sedimentation/Siltation			

ID17040219SK028_03	Rock Creek - source to mouth	9.22	MILES
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Escherichia coli

Phosphorus (Total)

Sedimentation/Siltation

ID17040219SK029_02	Thorn Creek - source to mouth	57.93	MILES
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Phosphorus (Total)

Sedimentation/Siltation

UPPER SNAKE ROCK TMDL (MODIFICATION)

Sep 14, 2005

ID17040219SK001_06	Malad River - confluence of Black Canyon Creek and Big Wood	17.34	MILES
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Total Suspended Solids (TSS)

17040220

Camas

TMDL Approval Date

CAMAS CREEK SUBBASIN TMDL

Sep 30, 2005

ID17040220SK001_05	Camas Creek - Elk Creek to Magic Reservoir	14.81	MILES
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Phosphorus (Total)

Sedimentation/Siltation

Temperature, water

ID17040220SK002_02	Camp Creek - source to mouth	37.28	MILES
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Sedimentation/Siltation

Temperature, water

ID17040220SK002_03	Camp Creek - source to mouth	4.78	MILES
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Sedimentation/Siltation

Temperature, water

ID17040220SK003_04	Willow Creek - Beaver Creek to mouth	9.36	MILES
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Temperature, water

ID17040220SK004_02	Beaver Creek - source to mouth	14.14	MILES
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Temperature, water

ID17040220SK004_03	Beaver Creek - source to mouth	0.73	MILES
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Temperature, water

ID17040220SK006_02	Elk Creek - source to mouth	18.46	MILES
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Sedimentation/Siltation

ID17040220SK007_05	Camas Creek - Solider Creek to Elk Creek	14.42	MILES
Phosphorus (Total)			
Sedimentation/Siltation			
Temperature, water			
ID17040220SK011_02	Soldier Creek - Wardrop Creek to mouth	15.21	MILES
Sedimentation/Siltation			
Temperature, water			
ID17040220SK013_05	Camas Creek - Corral Creek to Soldier Creek	10.39	MILES
Phosphorus (Total)			
Sedimentation/Siltation			
Temperature, water			
ID17040220SK015_03	Corral Creek - confluence of East Fork and West Fork Corral	10.63	MILES
Sedimentation/Siltation			
Temperature, water			
ID17040220SK018_02	Camas Creek - source to Corral Creek	135.6	MILES
Phosphorus (Total)			
Sedimentation/Siltation			
Temperature, water			
ID17040220SK018_03	Camas Creek - source to Corral Creek	18.61	MILES
Phosphorus (Total)			
Sedimentation/Siltation			
Temperature, water			
ID17040220SK018_04	Camas Creek - source to Corral Creek	20.53	MILES
Phosphorus (Total)			
Sedimentation/Siltation			
Temperature, water			
ID17040220SK021_03	Wildhorse Creek - 3rd order	6.96	MILES
Escherichia coli			
Sedimentation/Siltation			
Temperature, water			
ID17040220SK023L_0L	Mormon Reservoir	1583.81	ACRES
Sedimentation/Siltation			

ID17040220SK024_02	Dairy Creek - source to Mormon Reservoir	28.43	MILES
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Phosphorus (Total)

Sedimentation/Siltation

ID17040220SK025_02	McKinney Creek - source to Mormon Reservoir	17.49	MILES
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Sedimentation/Siltation

ID17040220SK025_03	McKinney Creek - source to Mormon Reservoir	2.26	MILES
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Sedimentation/Siltation

17040221 Little Wood TMDL Approval Date

CLARK FORK/PEND OREILLE BASIN Apr 02, 2001

ID17040221SK006_03	Fish Creek - Fish Creek Reservoir Dam to mouth	2.67	MILES
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Sedimentation/Siltation

ID17040221SK006_04	Fish Creek - Fish Creek Reservoir Dam to mouth	16.59	MILES
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Sedimentation/Siltation

LITTLE WOOD RIVER SUBBASIN TMDL Sep 30, 2005

ID17040221SK001_05	Little Wood River	28.93	MILES
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Phosphorus (Total)

Sedimentation/Siltation

Temperature, water

ID17040221SK001_05a	Little Wood River	29.49	MILES
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Phosphorus (Total)

Sedimentation/Siltation

Temperature, water

ID17040221SK001_05b	Little Wood River	5.66	MILES
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Phosphorus (Total)

Sedimentation/Siltation

Temperature, water

ID17040221SK002_05	Little Wood River	25.8	MILES
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Phosphorus (Total)

Sedimentation/Siltation

Temperature, water

ID17040221SK006_03	Fish Creek - Fish Creek Reservoir Dam to mouth	2.67	MILES
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Phosphorus (Total)

Sedimentation/Siltation

Temperature, water

ID17040221SK006_04	Fish Creek - Fish Creek Reservoir Dam to mouth	16.59	MILES
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Phosphorus (Total)

Sedimentation/Siltation

Temperature, water

ID17040221SK008_02	Fish Creek - source to Fish Creek Reservoir	52.94	MILES
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Escherichia coli

Phosphorus (Total)

Sedimentation/Siltation

Temperature, water

ID17040221SK008_03	Fish Creek - source to Fish Creek Reservoir	16.48	MILES
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Escherichia coli

Phosphorus (Total)

Sedimentation/Siltation

Temperature, water

ID17040221SK008_04	Fish Creek - source to Fish Creek Reservoir	1.37	MILES
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Escherichia coli

Phosphorus (Total)

Sedimentation/Siltation

Temperature, water

ID17040221SK014_02	Muldoon Creek -source to mouth	86.74	MILES
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Temperature, water

01/28/2010 (NED) - Added by EPA January 2001.

ID17040221SK014_03	Muldoon Creek -source to mouth	24.3	MILES
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Temperature, water

ID17040221SK014_04	Muldoon Creek -source to mouth	3.53	MILES
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Temperature, water

ID17040221SK022_02	Dry Creek - source to mouth	39.63	MILES
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Sedimentation/Siltation

ID17040221SK022_03	Dry Creek - source to mouth	11.62	MILES
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Sedimentation/Siltation

ID17040221SK023_02	Silver Creek - source to mouth	71.42	MILES
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Temperature, water

Appendix H. Category 4b—waters of the state that have pollution control requirements in place other than a TMDL and are expected to meet standards.

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2012 Integrated Report: Category 4b: Impaired Waters Expected to Meet Standards

2012 Integrated Report: Category 4b: Impaired Waters Expected to Meet Standards

Salmon

17060205 Upper Middle Fork Salmon

ID17060205SL012_02a	Upper Bear Valley Creek and tributaries - 1st and 2nd order	28.87	MILES
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Sedimentation/Siltation

ID17060205SL012_05	Bear Valley Creek - 5th order	11.24	MILES
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Sedimentation/Siltation

ID17060205SL013_03	Bearskin Creek - 3rd order (Little Beaver to Elk Creek)	1.84	MILES
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Sedimentation/Siltation

ID17060205SL013_04	Elk Creek - 4th order	8.94	MILES
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Sedimentation/Siltation

Appendix I. Category 4c—waters of the state not impaired by a pollutant but by pollution.

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2012 Integrated Report: Category 4c: Waters Impaired by Pollution, Not a Pollutant

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

Bear River

16010102 Central Bear

ID16010102BR001_05	Bear River - Idaho/Wyoming border to railroad bridge	30.88	MILES
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Low flow alterations

In 2006 EPA approved nutrient and sediment TMDLs. No TMDL written for flow alteration per EPA policy that "flow alteration is not a pollutant".

ID16010102BR002_03	Pegram Creek - source to mouth	6.27	MILES
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Physical substrate habitat alterations

ID16010102BR006_02	Preuss Creek - USFS boundary to Geneva ditch	6.03	MILES
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Physical substrate habitat alterations

16010201 Bear Lake

ID16010201BR002_05	Bear River-railroad bridge (T14N, R45E, Sec. 21) to Ovid Cr.	55.45	MILES
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Low flow alterations

ID16010201BR006_03	Lower Stauffer Creek - Spring Creek to Bear River	4.14	MILES
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Low flow alterations

Physical substrate habitat alterations

ID16010201BR018_0La	Indian Creek	5.77	MILES
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Low flow alterations

Physical substrate habitat alterations

ID16010201BR022_03a	Lower Georgetown Creek - left hand fork to mouth	3.91	MILES
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Physical substrate habitat alterations

16010202 Middle Bear

ID16010202BR002_04	Cub River - Maple Creek to Border	3.94	MILES
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Low flow alterations

Other flow regime alterations

ID16010202BR003_03	Cub River - Sugar Creek to Maple Creek	5.28	MILES
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Other flow regime alterations

ID16010202BR006_06	Bear River-Oneida Narrows Reservoir Dam to Idaho/Utah border	36.08	MILES
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Low flow alterations

ID16010202BR007_02a	Strawberry Creek	10.37	MILES
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Low flow alterations

Physical substrate habitat alterations

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID16010202BR009_06	Bear River - Alexander Reservoir Dam to Densmore Creek	15.56	MILES
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Other flow regime alterations

ID16010202BR009_06a	Bear River - Denismore Cr to above Oneida Reservoir	21.54	MILES
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Low flow alterations

ID16010202BR013_02	Densmore Creek - source to mouth	22.86	MILES
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Low flow alterations

ID16010202BR015_04	Battle Creek - source to mouth	14.2	MILES
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Low flow alterations

Physical substrate habitat alterations

ID16010202BR018_02b	Swan Lake Creek	13.79	MILES
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Low flow alterations

ID16010202BR020_02	Weston Creek - unnamed tributaries	27.78	MILES
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Other flow regime alterations

ID16010202BR020_02c	upper Weston Creek - FS boundary to reservoir	12.19	MILES
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Low flow alterations

Physical substrate habitat alterations

ID16010202BR020_02d	Weston Cr - HW to FS boundary and Trail Hollow	10.76	MILES
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Low flow alterations

Physical substrate habitat alterations

ID16010202BR020_03	Weston Creek - Dry Canyon to above Weston City	8.3	MILES
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Other flow regime alterations

ID16010202BR020_04	Weston Creek - above Weston City to Bear River	4.7	MILES
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Low flow alterations

Physical substrate habitat alterations

ID16010202BR021_02	Jenkins Hollow (Newton Creek)	12.62	MILES
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Physical substrate habitat alterations

ID16010202BR021_02a	Steel Canyon	0.91	MILES
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Physical substrate habitat alterations

16010204 Lower Bear-Malad

ID16010204BR001_02b	Four Mile Canyon	7.59	MILES
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Physical substrate habitat alterations

ID16010204BR001_02d	Henderson Creek	4.98	MILES
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Physical substrate habitat alterations

ID16010204BR001_04	Malad River - Little Malad River to Idaho/Utah border	21.48	MILES
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Low flow alterations

Physical substrate habitat alterations

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID16010204BR002_02a	Campbell Creek	2.87	MILES
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Physical substrate habitat alterations

ID16010204BR006_02	Susan Hollow	4.04	MILES
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Physical substrate habitat alterations

ID16010204BR008_04	Little Malad River - Daniels Reservoir Dam to mouth	24.56	MILES
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Low flow alterations

Physical substrate habitat alterations

ID16010204BR010_03	middle Wright Creek - Indian Mill Canyon to Dairy Creek	2.72	MILES
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Physical substrate habitat alterations

ID16010204BR011_03	Dairy Creek - source to mouth	5.49	MILES
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Low flow alterations

Physical substrate habitat alterations

16020309 Curlew Valley

ID16020309BR001_03	Deep Creek - Rock Creek to Idaho/Utah border	44.23	MILES
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Low flow alterations

ID16020309BR002_02a	Sheep Creek	13.38	MILES
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Physical substrate habitat alterations

ID16020309BR003_02a	Meadow Brook Creek	29	MILES
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Physical substrate habitat alterations

ID16020309BR003_03a	Rock Creek	3.71	MILES
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Physical substrate habitat alterations

Clearwater

17060108 Palouse

ID17060108CL001_02	Cow Creek - source to Idaho/Washington border	84.65	MILES
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Physical substrate habitat alterations

ID17060108CL001_03	Cow Creek - source to Idaho/Washington border	10.7	MILES
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Physical substrate habitat alterations

ID17060108CL002_03	South Fork Palouse River-Gnat Cr. to Idaho/Washington border	8.24	MILES
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Other flow regime alterations

Physical substrate habitat alterations

ID17060108CL003_02	South Fork Palouse River - source to Gnat Creek; tribs	14.51	MILES
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Other flow regime alterations

Physical substrate habitat alterations

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17060108CL003_03	South Fork Palouse River - source to Gnat Creek	1.92	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060108CL005_02	Paradise Creek - Urban boundary to Idaho/Washington border	6.62	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060108CL005_02a	Paradise Creek - forest habitat boundary to Urban boundary	16.87	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060108CL005_02b	Idlers Rest Creek - source to forest habitat boundary	5.49	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060108CL011a_02	Flannigan Creek - source to T41N, R05W, Sec. 23	18.03	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060108CL011a_03	Flannigan Creek - source to T41N, R05W, Sec. 23	3.05	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060108CL011b_02	Flannigan Creek - T41N, R05W, Sec. 23 to mouth	2.93	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060108CL011b_03	Flannigan Creek - T41N, R05W, Sec. 23 to mouth	3.72	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060108CL012_03	Rock Creek-confluence of WF and EF Rock Cr to mouth	1.73	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060108CL013a_02	West Fork Rock Creek - source to T41N, R04W, Sec. 30	5.68	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060108CL013b_03	West Fork Rock Creek - T41N, R04W, Sec. 30 to mouth	1.4	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060108CL014a_02	East Fork Rock Creek - source to T41N, R 04W, Sec. 29	2.22	MILES
Other flow regime alterations			
Physical substrate habitat alterations			

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17060108CL014b_02	East Fork Rock Creek - T41N, R 04W, Sec. 29 to mouth	1.67	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060108CL015a_02	Hatter Creek - source to T40N, R04W, Sec. 3	17.29	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060108CL015b_02	Hatter Creek - T40N, R04W, Sec. 3 to mouth	20.45	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060108CL015b_03	Hatter Creek - T40N, R04W, Sec. 3 to mouth	5.23	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060108CL027a_02	Big Creek - source to T42N, R03W, Sec. 08	5.23	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060108CL027b_02	Big Creek - T42N, R03W, Sec. 08 to mouth	15.49	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060108CL029_02	Gold Creek - T42N, R04W, Sec. 28 to mouth	1.45	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060108CL029_03	Gold Creek - T42N, R04W, Sec. 28 to mouth	1.79	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060108CL030_02	Gold Creek - source to T42N, R04W, Sec. 28	19.95	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060108CL032a_02	Deep Creek - source to T42, R05, Sec. 02	23.76	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060108CL032a_03	Deep Creek - source to T42, R05, Sec. 02	0.63	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060108CL032b_02	Deep Creek - T42, R05, Sec. 02 to mouth	15.29	MILES
Other flow regime alterations			
Physical substrate habitat alterations			

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17060108CL032b_03	Deep Creek - T42, R05, Sec. 02 to mouth	6.19	MILES
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Other flow regime alterations

Physical substrate habitat alterations

17060305 South Fork Clearwater

ID17060305CL001_02	South Fork Clearwater River - Butcher Creek to mouth	25.7	MILES
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Physical substrate habitat alterations

ID17060305CL001_05	South Fork Clearwater River - Butcher Creek to mouth	12.61	MILES
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Physical substrate habitat alterations

ID17060305CL002_02	Cottonwood Creek -Cottonwood Creek waterfall (9.0 miles ups)	24.31	MILES
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Physical substrate habitat alterations

ID17060305CL002_04	Cottonwood Creek - 4th order; waterfall to mouth	9.13	MILES
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Physical substrate habitat alterations

ID17060305CL003_02	Cottonwood Creek - source to Cottonwood Creek waterfall	39.24	MILES
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Physical substrate habitat alterations

ID17060305CL003_03	Cottonwood Creek - source to Cottonwood Creek waterfall	0.4	MILES
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Physical substrate habitat alterations

ID17060305CL003_04	Cottonwood Creek - source to Cottonwood Creek waterfall	7.54	MILES
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Physical substrate habitat alterations

ID17060305CL008_02	South Fork Cottonwood Creek - source to mouth	25	MILES
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Physical substrate habitat alterations

ID17060305CL008_03	South Fork Cottonwood Creek - 3rd order segment	5.02	MILES
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Physical substrate habitat alterations

ID17060305CL010_02	Threemile Creek - source to unnamed tributary	47.67	MILES
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Other flow regime alterations

Physical substrate habitat alterations

ID17060305CL010_03	Threemile Creek - Unnamed tributary to mouth	2.18	MILES
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Other flow regime alterations

Physical substrate habitat alterations

ID17060305CL011_02	Butcher Creek - source to mouth	18.88	MILES
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Other flow regime alterations

Physical substrate habitat alterations

ID17060305CL012_02	South Fork Clearwater River - sidewall tributaries	46.75	MILES
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Physical substrate habitat alterations

ID17060305CL012_02a	Schwartz Creek	44.46	MILES
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Other flow regime alterations

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17060305CL012_05	South Fork Clearwater River - Johns Creek to Butcher Creek	23.19	MILES
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Physical substrate habitat alterations

ID17060305CL022_02	Huddleson Creek and tributaries	33.91	MILES
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Physical substrate habitat alterations

ID17060305CL022_02a	Granite Creek	4.08	MILES
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Physical substrate habitat alterations

ID17060305CL022_05	South Fork Clearwater River - Tenmile Creek to Johns Creek	11.79	MILES
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Physical substrate habitat alterations

ID17060305CL030_02	South Fork Clearwater River - Crooked River to Tenmile Creek	28.39	MILES
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Physical substrate habitat alterations

ID17060305CL030_05	South Fork Clearwater River - Crooked River to Tenmile Creek	11.79	MILES
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Physical substrate habitat alterations

ID17060305CL036_02	South Fork Clearwater River - tributaries	2.49	MILES
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Physical substrate habitat alterations

ID17060305CL036_05	South Fork Clearwater River - 5th order mainstem segment	3.97	MILES
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Physical substrate habitat alterations

17060306 Clearwater

ID17060306CL003_02	Lindsay Creek - source to mouth	23.35	MILES
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Low flow alterations

Physical substrate habitat alterations

ID17060306CL003_03	Lindsay Creek - source to mouth	3.65	MILES
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Other flow regime alterations

Physical substrate habitat alterations

ID17060306CL006_02	Sweetwater Creek - source to Webb Creek	47.76	MILES
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Other flow regime alterations

Physical substrate habitat alterations

ID17060306CL006_03	Sweetwater Creek - source to Webb Creek	3.15	MILES
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Other flow regime alterations

Physical substrate habitat alterations

ID17060306CL006_04	Sweetwater Creek - source to Webb Creek	6.73	MILES
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Other flow regime alterations

Physical substrate habitat alterations

ID17060306CL007_02	Webb Creek - source to mouth	34.85	MILES
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Other flow regime alterations

Physical substrate habitat alterations

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17060306CL009_03	Lapwai Lake	85.95	ACRES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL010_02	Lapwai Creek - source to Winchester Lake	13.84	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL010_03	Lapwai Creek - source to Winchester Lake	1.32	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL019_02	Holes Creek - source to mouth	26.13	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL019_03	Holes Creek - source to mouth	2.71	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL020_03	Long Hollow Creek - source to mouth	4.04	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL023_02	Sixmile Creek - source to mouth	32.73	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL023_03	Sixmile Creek - source to mouth	0.66	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL024_02	Lawyer Creek - source to mouth	239.19	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL024_03	Lawyer Creek - source to mouth	20.47	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL025_02	Sevenmile Creek - source to mouth	23.56	MILES
Physical substrate habitat alterations			
ID17060306CL025_03	Sevenmile Creek - source to mouth	2.43	MILES
Physical substrate habitat alterations			
ID17060306CL031_02	Jim Brown Creek - 1st and 2nd Order Tributaries	44.64	MILES
Other flow regime alterations			
Physical substrate habitat alterations			

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17060306CL031_03	Jim Brown Creek - 3rd Order	5.52	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL034_04	Jim Ford Creek - waterfall (12.5 miles upstream) to mouth	12.19	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL035_02	Heywood, Wilson Creeks and tributaries	48.63	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL035_03	Jim Ford Creek - source to Jim Ford Cr waterfall (12.5 mi)	6.38	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL035_04	Jim Ford Creek - source to Jim Ford Creek waterfall	3.87	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL036_02	Grasshopper Creek - source to mouth	19.58	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL036_03	Grasshopper Creek - source to mouth	4.3	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL037_03	Winter Creek - waterfall (3.4 miles upstream) to mouth	2.42	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL038_02	Winter Creek - source to Winter Creek waterfall	6.77	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL041_02	Bedrock Creek - source to mouth	19.93	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL043_02	Pine Creek - source to mouth	25.2	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL044_06	Potlatch River - 6th Order	14.26	MILES
Other flow regime alterations			
Physical substrate habitat alterations			

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17060306CL045_05	Potlatch River - 5th Order	18.49	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL046_04	Cedar Creek - 4th Order	5.17	MILES
Physical substrate habitat alterations			
ID17060306CL048_04	Potlatch River - 4th Order	6.67	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL048_05	Potlatch River - 5th Order	7.7	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL049_02	Potlatch River - headwaters	61.71	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL049_03	Potlatch River - 3rd Order	5.3	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL049_04	Potlatch River - 4th Order	3.71	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL051_04	East Fork Potlatch River - 4th Order	4.74	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL052_03	Ruby Creek - 3rd Order	2.14	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL053_02	Moose Creek - headwaters	15.71	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL053_03	Moose Creek - 3rd Order	3.7	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL055_02	Pine Creek - headwaters	35.97	MILES
Other flow regime alterations			
Physical substrate habitat alterations			

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17060306CL055_03	Pine Creek - 3rd Order	3.87	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL062_02	Middle Potlatch Creek - headwaters	45.86	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL062_03	Middle Potlatch Creek - 3rd Order	14.46	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060306CL067_02	Hatwai Creek - 1st and 2nd Order tributaries	42.51	MILES
Physical substrate habitat alterations			
17060307 Upper North Fork Clearwater			
ID17060307CL001_02a	Sneak Creek - source to mouth	5.38	MILES
Physical substrate habitat alterations			
17060308 Lower North Fork Clearwater			
ID17060308CL002_02a	Swamp Creek - 1st and 2nd Order Tributaries	12.76	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060308CL002_03a	Swamp Creek - 3rd order, Follet Creek to Dworshak Reservoir	0.72	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060308CL002_04	Elk Creek - Cedar Creek to Dworshak Reservoir	8.35	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060308CL002_04a	Long Meadow Creek - unnamed trib to Dworshak Reservoir	1.45	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060308CL020_04a	Breakfast Creek - 4th Order, Stony Cr to Dworshak Reservoir	1.91	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060308CL025_02	Breakfast Creek - source to Stony Creek	10.04	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060308CL028_02	Swamp Creek - source to Dworshak Reservoir	1.8	MILES
Other flow regime alterations			
Physical substrate habitat alterations			

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17060308CL028_03	Swamp Creek - source to Dworshak Reservoir	3	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060308CL029_02	Cranberry Creek - source to Dworshak Reservoir	14.26	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060308CL030_03a	Elk Creek - 3rd Order, Reservoir to Elk Creek Falls	3.83	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060308CL030_03b	Elk Creek - Elk Creek Falls to confluence of Deep Creek	2.14	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060308CL030_04	Elk Creek - confluence of Deep Creek to Cedar Creek	3.65	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060308CL034_02	Three Bear, Round Meadow, Oviatt Creeks and tributaries	58.47	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060308CL034_02a	Long Meadow Creek	1.2	MILES
Low flow alterations			
Physical substrate habitat alterations			
ID17060308CL034_03	Long Meadow Creek - 3rd Order	7.71	MILES
Other flow regime alterations			
Physical substrate habitat alterations			
ID17060308CL034_04	Long Meadow Creek - 4th Order	4.4	MILES
Other flow regime alterations			
Physical substrate habitat alterations			

Panhandle

17010104 Lower Kootenai

ID17010104PN030_03a	Cow Creek- lower re-routed portion along road	1.42	MILES
Other flow regime alterations			
2012 (R. Steed) - Other flow regime alterations was added because this reach has been altered to be a relief ditch on the side of the road for a short section.			
ID17010104PN036_03	Fleming Creek - lower	3.49	MILES
Other flow regime alterations			
Physical substrate habitat alterations			

17010214 Pend Oreille Lake

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17010214PN010_03	Brickel Creek - Idaho/Washington border to mouth	5.63	MILES
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Physical substrate habitat alterations

12/15/2009 (R.Steed, K. Keith, T. Herron, J. Bergquist, G. Pettit) - The lower portion of Brickle Creek has been straightened and otherwise modified. This modification has greatly contributed to the poor habitat conditions that exist, making it impossible to collect macroinvertebrates. It would be unreasonable to expect to get passing bug scores from habitat alone, or evaluate as a lotic water body. Other water quality issues are likely to exist upstream and stressor identification should be pursued.

ID17010214PN018L_0L	Pend Oreille Lake	80828.61	ACRES
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Other flow regime alterations

17010301 Upper Coeur d Alene

ID17010301PN001_05	North Fork Coeur d'Alene River, below Prichard Cr.	26.29	MILES
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Other flow regime alterations

Physical substrate habitat alterations

ID17010301PN030_03	Little NF CDA River - btw Solitaire and Deception Creek	11.26	MILES
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Other flow regime alterations

Physical substrate habitat alterations

ID17010301PN030_04	Little North Fork CDA River below Skookum Creek	23.85	MILES
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Other flow regime alterations

Physical substrate habitat alterations

17010302 South Fork Coeur d Alene

ID17010302PN014_02	Canyon Creek - from and including Gorge Gulch to mouth	8.64	MILES
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Physical substrate habitat alterations

17010303 Coeur d Alene Lake

ID17010303PN001_02	Tribs to Coeur d'Alene Lake	49.97	MILES
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Physical substrate habitat alterations

ID17010303PN002_02	Cougar Creek - source to mouth	15.71	MILES
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Physical substrate habitat alterations

ID17010303PN003_02	Kid Creek - source to mouth	4.08	MILES
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Physical substrate habitat alterations

ID17010303PN004_02	Mica Creek - source to mouth	24.17	MILES
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Physical substrate habitat alterations

ID17010303PN004_03	Mica Creek - source to mouth	1.28	MILES
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Physical substrate habitat alterations

ID17010303PN007_06	Coeur d'Alene River - Latour Creek to mouth	29.41	MILES
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Physical substrate habitat alterations

ID17010303PN020_02	Fourth of July Creek - source to mouth	31.89	MILES
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Physical substrate habitat alterations

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17010303PN020_03	Fourth of July Creek - source to mouth	5.66	MILES
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Physical substrate habitat alterations

ID17010303PN029_03	Wolf Lodge Creek - source to mouth	5.74	MILES
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Physical substrate habitat alterations

ID17010303PN031_02	Marie Creek - source to mouth	19.66	MILES
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Physical substrate habitat alterations

17010304 St. Joe

ID17010304PN027_02	St. Joe River - North Fork St. Joe River to St. Maries River	160.05	MILES
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Physical substrate habitat alterations

Salmon

17060201 Upper Salmon

ID17060201SL007_04	Challis Creek - Darling Creek to mouth	3.42	MILES
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Low flow alterations

ID17060201SL009_03	Challis Creek - Bear Creek to Darling Creek	4.94	MILES
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Low flow alterations

Other flow regime alterations

High Flow Regime

ID17060201SL009_04	Challis Creek - Bear Creek to Darling Creek	1.5	MILES
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Other flow regime alterations

Physical substrate habitat alterations

ID17060201SL015_03	Garden Creek - source to mouth	3.92	MILES
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Low flow alterations

Physical substrate habitat alterations

ID17060201SL048_03	Basin Creek - East Basin Creek to mouth	2.36	MILES
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Physical substrate habitat alterations

ID17060201SL124_04	Road Creek - Corral Basin Creek to mouth	4.79	MILES
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Low flow alterations

ID17060201SL125_02	Road Creek - source to Corral Basin Creek	31.93	MILES
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Other flow regime alterations

ID17060201SL131_04	Warm Spring Creek - Hole-in-Rock Creek to mouth	4.29	MILES
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Low flow alterations

6/28/2011 (NED) - According to the Upper Salmon Subbasin Assessment and TMDL, approved January 2003, the perennial portion of Warm Springs Creek flows approximately 100 yards in its natural channel before it is diverted in its entirety into a constructed channel for agriculture and for a hydroelectric project which leaves no water in the original natural stream course.

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17060201SL132_02	Warm Spring Creek - source to Hole-in-Rock Creek	104.67	MILES
<div>Low flow alterations</div> <div>6/28/2011 (NED) - According to the Upper Salmon Subbasin Assessment and TMDL, approved January 2003, the perennial portion of Warm Springs Creek flows approximately 100 yards in its natural channel before it is diverted in its entirety into a constructed channel for agriculture and for a hydroelectric project which leaves no water in the original natural stream course.</div>			
ID17060201SL132_03	Warm Spring Creek - source to Hole-in-Rock Creek	5.08	MILES
<div>Low flow alterations</div> <div>6/28/2011 (NED) - According to the Upper Salmon Subbasin Assessment and TMDL, approved January 2003, the perennial portion of Warm Springs Creek flows approximately 100 yards in its natural channel before it is diverted in its entirety into a constructed channel for agriculture and for a hydroelectric project which leaves no water in the original natural stream course.</div>			
ID17060201SL132_04	Warm Spring Creek - source to Hole-in-Rock Creek	6.71	MILES
<div>Low flow alterations</div> <div>6/28/2011 (NED) - According to the Upper Salmon Subbasin Assessment and TMDL, approved January 2003, the perennial portion of Warm Springs Creek flows approximately 100 yards in its natural channel before it is diverted in its entirety into a constructed channel for agriculture and for a hydroelectric project which leaves no water in the original natural stream course.</div>			
ID17060201SL133_02	Broken Wagon Creek - source to mouth	44.76	MILES
Low flow alterations			
ID17060201SL133_03	Broken Wagon Creek - source to mouth	3.18	MILES
Low flow alterations			
17060202 Pahsimeroi			
ID17060202SL006_02	Meadow Creek - source to mouth	28.51	MILES
Low flow alterations			
ID17060202SL007_04	Pahsimeroi River - Furey Lane (T15S, R22E) to Meadow Creek	1.56	MILES
Low flow alterations			
ID17060202SL009_02	Grouse Creek - source to mouth	35.94	MILES
Low flow alterations			
ID17060202SL010_04	Pahsimeroi River - Goldburg Creek to Big Creek	6.64	MILES
Low flow alterations			
ID17060202SL017_04	Pahsimeroi River	10.35	MILES
Low flow alterations			
ID17060202SL031_03	Big Creek - confluence of North and South Fork Big Creeks	13.56	MILES
Low flow alterations			
ID17060202SL034_03	Patterson Creek - Inyo Creek to mouth	13.61	MILES
Other flow regime alterations			
ID17060202SL034_04	Patterson Creek - Inyo Creek to mouth	12.05	MILES
Other flow regime alterations			
ID17060202SL039_03	Morgan Creek - source to mouth	14.07	MILES
Low flow alterations			

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

17060203

Middle Salmon-Panther

ID17060203SL038_03	Dump Creek - Moose Creek to mouth	5.05	MILES
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Physical substrate habitat alterations

17060204

Lemhi

ID17060204SL007a_03	McDevitt Creek - diversion (T19N, R23E, Sec. 36) to mouth	2.36	MILES
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Low flow alterations

ID17060204SL026a_02	Mill Creek - diversion (T16N, R24E, Sec. 22) to mouth	10.4	MILES
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Low flow alterations

Other flow regime alterations

ID17060204SL027_02	Walter Creek - source to mouth	7.84	MILES
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Low flow alterations

ID17060204SL030_05	Lemhi River (East Branch)-Eighteenmile & Texas Ck Confluence	10.41	MILES
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Low flow alterations

ID17060204SL036_03	Texas Creek	14.93	MILES
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Other flow regime alterations

ID17060204SL041_04	Eighteenmile Creek - Hawley Creek to mouth	2.21	MILES
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Low flow alterations

ID17060204SL042_03	Eighteenmile Creek - Clear Creek to Hawley Creek	8.4	MILES
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Low flow alterations

3/11/2013 (DDS) - The natural flow patterns have be altered due to diversions for agricultural use.

ID17060204SL043_03	Eighteenmile Creek - Divide Creek to Clear Creek	5.96	MILES
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Low flow alterations

ID17060204SL045_02	Eighteenmile Creek - source to Divide Creek	29.68	MILES
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Low flow alterations

3/11/2013 (DDS) - Flow alteration is being addressed by the Office of Species Conservation and USBWP. Eighteenmile Creek used to be extensively flow-altered in the early 2000s and joined in a wetland complex at Leadore to form the headwaters of the Lemhi River. However, recent improvements have created a well-defined channel that flows distinctly into the Lemhi River, allowing fish passage. Extensive site assessments, seepage studies and instream flow studies have recently been published, showing the hydrologic and habitat improvements already accomplished in this and other Eighteenmile Creek AUs (Bureau of Reclamation 2011, Idaho Department of Water Resources 2008). Improvements in the flow regime will allow streambank-building events that will improve the erosion and lack of shade and make progress toward meeting the sediment and temperature load allocations.

ID17060204SL050a_03	Hawley Creek - diversion (T15N, R27E, Sec. 03) to mouth	2.2	MILES
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Low flow alterations

ID17060204SL051b_02	Canyon Creek - source to diversion (T16N, R26E, Sec.22)	70.09	MILES
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Low flow alterations

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17060204SL052a_02	Little Eightmile Creek	0.43	MILES
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Low flow alterations

ID17060204SL062a_02	Sandy Creek - diversion (T20N, R24E, Sec. 17) to mouth	2.1	MILES
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Low flow alterations

ID17060204SL062b_02	Sandy Creek - source to diversion (T20N, R24E, Sec. 17)	12.33	MILES
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Low flow alterations

ID17060204SL064a_02	Bohannon Creek - diversion (T21N, R23E, Sec. 22) to mouth	1.36	MILES
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Low flow alterations

ID17060204SL064b_02	Bohannon Creek - source to diversion (T21N, R23E, Sec. 22)	13.58	MILES
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Low flow alterations

3/11/2013 (DDS) - Historic withdrawals for irrigation dewatered the lower portions of this AU at different times of the year.

ID17060204SL065a_02	Geertson Creek - diversion (T21N, R23E, Sec. 20) to mouth	11.44	MILES
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Low flow alterations

ID17060204SL065b_02	Geertson Creek - source to diversion (T21N, R23E, Sec. 20)	14.71	MILES
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Low flow alterations

ID17060204SL066a_03	Kirtley Creek - diversion (T21N, R22E, Sec. 02) to mouth	2.28	MILES
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Low flow alterations

17060205 Upper Middle Fork Salmon

ID17060205SL026_02	Asher Creek - source to mouth	3.34	MILES
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Low flow alterations

ID17060205SL027_02	Unnamed Tributary - source to mouth (T12N, R11E, Sec. 11)	1.62	MILES
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Low flow alterations

17060207 Middle Salmon-Chamberlain

ID17060207SL007_02	Warren Creek - 1st and 2nd order tributaries	76.97	MILES
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Physical substrate habitat alterations

ID17060207SL007_03	Warren Creek - 3rd order seg. within roadless and wilderness	9.29	MILES
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Physical substrate habitat alterations

ID17060207SL007_03a	Warren Creek - 3rd order segment outside roadless area	8.7	MILES
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Physical substrate habitat alterations

17060209 Lower Salmon

ID17060209SL060_02	Deep Creek - source to unnamed tributary	28.29	MILES
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Other flow regime alterations

Physical substrate habitat alterations

17060210 Little Salmon

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17060210SL001_05	Little Salmon River - 5th order	24.9	MILES
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Physical substrate habitat alterations

ID17060210SL007_04a	West Branch Goose Creek	4.38	MILES
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Low flow alterations

ID17060210SL007_05	Little Salmon River - 5th order	16.25	MILES
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Physical substrate habitat alterations

The Little Salmon River from Round Valley Creek to the mouth showed support of beneficial uses. However, DEQ was unable to analyze the effect of coarse sediment in the system. Several government agencies including USBR and the BLM have pointed out that coarse sediment transported as part of the 1997 flood is potentially reducing salmonid spawning in places and leading to channel aggradation. DEQ proposes to list the Little Salmon River from Round Valley Creek to the mouth for habitat alteration and delist for sediment. This listing is on the basis of DEQ Beneficial Use Reconnaissance Program (BURP) scores that did not indicate impairment and low suspended sediment data. However, the listing for habitat alteration is in recognition that the system was changed due to the construction of the highway and the channel remains constricted, leading to potential coarse sediment loading problems. The state of Idaho's antidegradation policy applies in this case and existing uses must be maintained and protected from any activities that would result in human caused excess sediment delivery to the system.

ID17060210SL010_04	East Branch Goose Creek and 4th order section of Goose Creek	5.46	MILES
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Low flow alterations

Southwest

17050101 C. J. Strike Reservoir

ID17050101SW012_02	Little Canyon Creek - 1st and 2nd order	31.04	MILES
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Other flow regime alterations

17050102 Bruneau

ID17050102SW002_05	Jacks Creek-Little Jacks Ck to CJ Strike Reservoir	12.28	MILES
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Low flow alterations

17050103 Middle Snake-Succor

ID17050103SW001_07	Snake River - Marsing (RM425) to State Line	16.09	MILES
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Other flow regime alterations

ID17050103SW002_04	Lower Succor Creek - 4th order (state line to mouth)	5.5	MILES
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Low flow alterations

ID17050103SW003_02	Upper Succor Creek - 1st and 2nd order tributaries	68.42	MILES
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Other flow regime alterations

ID17050103SW003_03	Upper Succor Creek - 3rd order (Granite Creek to State Line)	15.72	MILES
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Other flow regime alterations

ID17050103SW005_03	Jump Creek - 3rd order	18.4	MILES
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Low flow alterations

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17050103SW012_04	Sinker Creek - 4th order	15.75	MILES
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Other flow regime alterations

ID17050103SW014_04	Castle Creek - lower 4th order (irrigated section)	9.2	MILES
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Other flow regime alterations

ID17050103SW014_05	Castle Creek - 5th order (Catherine Cr. to Snake River)	3.82	MILES
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Other flow regime alterations

17050104 Upper Owyhee

ID17050104SW028_02	Pole Creek - 1st and 2nd order	71.18	MILES
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Other flow regime alterations

ID17050104SW028_03	Pole Creek - 3rd order	6.41	MILES
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Other flow regime alterations

ID17050104SW034_02	Red Canyon Creek - 1st and 2nd order	77.68	MILES
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Other flow regime alterations

ID17050104SW034_04	Red Canyon Creek - 4th order	2.95	MILES
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Other flow regime alterations

17050105 South Fork Owyhee

ID17050105SW001_06	SF Owyhee River - Nevada border to Little Owyhee River	19.62	MILES
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Other flow regime alterations

17050107 Middle Owyhee

ID17050107SW004_02	MF Owyhee River & tributaries - 1st and 2nd order	48.04	MILES
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Other flow regime alterations

ID17050107SW004_03	Middle Fork Owyhee River - 3rd order section	4.57	MILES
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Other flow regime alterations

ID17050107SW008_04	NF Owyhee River & Juniper Creek - 4th order	2.33	MILES
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Low flow alterations

ID17050107SW009_02	Pleasant Valley Cr. & Tribs - 1st & 2nd order	37.73	MILES
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Other flow regime alterations

ID17050107SW009_03	Pleasant Valley Creek - 3rd order section	5.67	MILES
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Other flow regime alterations

ID17050107SW012_02	Juniper Creek & tributaries - 1st & 2nd order	24.46	MILES
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Other flow regime alterations

ID17050107SW012_03	Juniper Creek - 3rd order section	6.86	MILES
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Other flow regime alterations

17050108 Jordan

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17050108SW001_05	Jordan Creek - Williams Creek to State Line	13.35	MILES
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Low flow alterations

ID17050108SW013_02	Rock Creek above Triangle Reservoir - 1st and 2nd order	63.93	MILES
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Other flow regime alterations

ID17050108SW014_02	Louisa Creek - entire drainage	13.82	MILES
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Other flow regime alterations

ID17050108SW015_02	Spring and Meadow Creeks - 1st and 2nd order	48.87	MILES
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Other flow regime alterations

ID17050108SW015_03	Spring and Meadow Creeks - 3rd order sections	8.09	MILES
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Other flow regime alterations

ID17050108SW021_02	Cow Creek - 1st and 2nd order	55.15	MILES
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Other flow regime alterations

ID17050108SW021_03	Cow Creek - 3rd order (Wildcat Canyon to Soda Creek)	3.41	MILES
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Other flow regime alterations

17050112 Boise-Mores

ID17050112SW009_02	Mores Creek - 1st and 2nd order	133.19	MILES
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Physical substrate habitat alterations

ID17050112SW009_03	Mores Creek - 3rd order (Hayfork Creek to Elk Creek)	12.31	MILES
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Physical substrate habitat alterations

ID17050112SW009_04	Mores Creek - 4th order (Elk Creek to Grimes Creek)	8.84	MILES
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Physical substrate habitat alterations

5/25/2010 (NED) - During the development of the Boise-Mores Creek Subbasin Assessment and TMDL, it was determined that habitat and flow alteration is due to impacts of extensive historic placer mining that took place in the basin.

ID17050112SW013_03	Grimes, Clear and Smith Creeks - 3rd order sections	8.55	MILES
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Physical substrate habitat alterations

ID17050112SW013_04	Grimes Creek - 4th order (Clear Creek to Granite Creek)	9.54	MILES
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Physical substrate habitat alterations

ID17050112SW013_05	Grimes Creek - 5th order (Granite Creek to mouth)	14.65	MILES
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Physical substrate habitat alterations

17050113 South Fork Boise

ID17050113SW007L_0L	Little Camas Reservoir	965.21	ACRES
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Low flow alterations

ID17050113SW032_03	Smith Creek - 3rd order (Mule Gulch to SF Boise River)	16.47	MILES
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Low flow alterations

17050114 Lower Boise

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17050114SW001_06	Boise River - Indian Creek to mouth	44.61	MILES
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Physical substrate habitat alterations

Low flow alterations

The lower Boise River from Diversion Dam to the mouth is NOT listed for flow or habitat alteration despite listing of the reach immediately above for flow alteration. The lower Boise River is a highly regulated stream with three upstream reservoirs that are jointly operated to meet irrigation, flood control and other uses.

Flow and habitat assessments have been done on the lower Boise River by Idaho Fish and Game, Asbridge and Bjornn (1988), and USGS (1997). These studies, in addition to chemical, physical and biological data collected by USGS for the Lower Boise Watershed Advisory Group and contained in the Lower Boise River TMDL (IDEQ, 2000) find that flow alteration and habitat contribute to impairment of use in ALL reaches of the Boise River below Lucky Peak Dam. The LBR TMDL finds that:

"Sediment, temperature, flow, and habitat conditions contribute to the impairment of the cold water biota." (p.1, Executive Summary, LBR TMDL, IDEQ, 2000); "In addition, flow and habitat conditions impair aquatic life uses in the Boise River." (p 31, LBR TMDL, IDEQ 2000);

"Sediment, temperature, and flow and habitat conditions in the river all contribute to impairment of cold water biota and salmonid spawning." (p. 47, LBR TMDL, IDEQ 2000);

"Table 10: Status of Aquatic Life Uses in Lower Boise River Reach Other Causes of Impairment Boise River: Lucky Peak to BarberFlow Alteration, habitat modification (lack of cover, lack of gravels, channelization, embeddedness, and armored substrate)

Boise River: Barber to Star Same as above

Boise River: Star to Notus Same as above

Boise River: Notus to Mouth Same as above
(p. 47, LBR TMDL, IDEQ 2000);

"Many of man's activities in the lower Boise River watershed contribute to degradation of flow and habitat conditions. Flow manipulation for flood control, irrigation, impoundments, flood control activities such as clearing debris and construction of levees, gravel mining, unscreened diversions, angling pressure and barriers in the river all have adverse affects on habitat. It is DEQ's position that habitat modification and flow alteration, which may adversely affect beneficial uses, are not pollutants under Section 303(d) of the Clean Water Act. There are no water quality standards for habitat or flow, nor are they suitable for estimation of load capacity or load allocations. Because of these practical limitations, TMDLs will not be developed to address habitat modification or flow alteration." (p.48, LBR TMDL, IDEQ, 2000).

The City recommends that IDEQ list the Boise River from Diversion Dam to the Mouth for flow alteration and habitat in Section 4c based on the Tier 1 data and multiple lines of evidence described above.

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17050114SW005_06	Boise River - Veterans Memorial Parkway to Star Bridge	38.17	MILES
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Physical substrate habitat alterations

Low flow alterations

The lower Boise River from Diversion Dam to the mouth is NOT listed for flow or habitat alteration despite listing of the reach immediately above for flow alteration. The lower Boise River is a highly regulated stream with three upstream reservoirs that are jointly operated to meet irrigation, flood control and other uses.

Flow and habitat assessments have been done on the lower Boise River by Idaho Fish and Game, Asbridge and Bjornn (1988), and USGS (1997). These studies, in addition to chemical, physical and biological data collected by USGS for the Lower Boise Watershed Advisory Group and contained in the Lower Boise River TMDL (IDEQ, 2000) find that flow alteration and habitat contribute to impairment of use in ALL reaches of the Boise River below Lucky Peak Dam. The LBR TMDL finds that:

"Sediment, temperature, flow, and habitat conditions contribute to the impairment of the cold water biota." (p.1, Executive Summary, LBR TMDL, IDEQ, 2000); "In addition, flow and habitat conditions impair aquatic life uses in the Boise River." (p 31, LBR TMDL, IDEQ 2000);

"Sediment, temperature, and flow and habitat conditions in the river all contribute to impairment of cold water biota and salmonid spawning." (p. 47, LBR TMDL, IDEQ 2000);

"Table 10: Status of Aquatic Life Uses in Lower Boise River Reach Other Causes of Impairment Boise River: Lucky Peak to BarberFlow Alteration, habitat modification (lack of cover, lack of gravels, channelization, embeddedness, and armored substrate)

Boise River: Barber to Star Same as above

Boise River: Star to Notus Same as above

Boise River: Notus to Mouth Same as above
(p. 47, LBR TMDL, IDEQ 2000);

"Many of man's activities in the lower Boise River watershed contribute to degradation of flow and habitat conditions. Flow manipulation for flood control, irrigation, impoundments, flood control activities such as clearing debris and construction of levees, gravel mining, unscreened diversions, angling pressure and barriers in the river all have adverse affects on habitat. It is DEQ's position that habitat modification and flow alteration, which may adversely affect beneficial uses, are not pollutants under Section 303(d) of the Clean Water Act. There are no water quality standards for habitat or flow, nor are they suitable for estimation of load capacity or load allocations. Because of these practical limitations, TMDLs will not be developed to address habitat modification or flow alteration." (p.48, LBR TMDL, IDEQ, 2000).

The City recommends that IDEQ list the Boise River from Diversion Dam to the Mouth for flow alteration and habitat in Section 4c based on the Tier 1 data and multiple lines of evidence described above.

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17050114SW005_06a Boise River-Star to Middleton

11.34 MILES

Physical substrate habitat alterations

Low flow alterations

The lower Boise River from Diversion Dam to the mouth is NOT listed for flow or habitat alteration despite listing of the reach immediately above for flow alteration. The lower Boise River is a highly regulated stream with three upstream reservoirs that are jointly operated to meet irrigation, flood control and other uses.

Flow and habitat assessments have been done on the lower Boise River by Idaho Fish and Game, Asbridge and Bjornn (1988), and USGS (1997). These studies, in addition to chemical, physical and biological data collected by USGS for the Lower Boise Watershed Advisory Group and contained in the Lower Boise River TMDL (IDEQ, 2000) find that flow alteration and habitat contribute to impairment of use in ALL reaches of the Boise River below Lucky Peak Dam. The LBR TMDL finds that:

"Sediment, temperature, flow, and habitat conditions contribute to the impairment of the cold water biota." (p.1, Executive Summary, LBR TMDL, IDEQ, 2000); "In addition, flow and habitat conditions impair aquatic life uses in the Boise River." (p 31, LBR TMDL, IDEQ 2000);

"Sediment, temperature, and flow and habitat conditions in the river all contribute to impairment of cold water biota and salmonid spawning." (p. 47, LBR TMDL, IDEQ 2000);

"Table 10: Status of Aquatic Life Uses in Lower Boise River Reach Other Causes of Impairment Boise River: Lucky Peak to BarberFlow Alteration, habitat modification (lack of cover, lack of gravels, channelization, embeddedness, and armored substrate)

Boise River: Barber to Star Same as above

Boise River: Star to Notus Same as above

Boise River: Notus to Mouth Same as above
(p. 47, LBR TMDL, IDEQ 2000);

"Many of man's activities in the lower Boise River watershed contribute to degradation of flow and habitat conditions. Flow manipulation for flood control, irrigation, impoundments, flood control activities such as clearing debris and construction of levees, gravel mining, unscreened diversions, angling pressure and barriers in the river all have adverse affects on habitat. It is DEQ's position that habitat modification and flow alteration, which may adversely affect beneficial uses, are not pollutants under Section 303(d) of the Clean Water Act. There are no water quality standards for habitat or flow, nor are they suitable for estimation of load capacity or load allocations. Because of these practical limitations, TMDLs will not be developed to address habitat modification or flow alteration." (p.48, LBR TMDL, IDEQ, 2000).

The City recommends that IDEQ list the Boise River from Diversion Dam to the Mouth for flow alteration and habitat in Section 4c based on the Tier 1 data and multiple lines of evidence described above.

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17050114SW005_06b	Boise River-Middleton to Indian Creek	7.88	MILES
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Physical substrate habitat alterations

Low flow alterations

The lower Boise River from Diversion Dam to the mouth is NOT listed for flow or habitat alteration despite listing of the reach immediately above for flow alteration. The lower Boise River is a highly regulated stream with three upstream reservoirs that are jointly operated to meet irrigation, flood control and other uses.

Flow and habitat assessments have been done on the lower Boise River by Idaho Fish and Game, Asbridge and Bjornn (1988), and USGS (1997). These studies, in addition to chemical, physical and biological data collected by USGS for the Lower Boise Watershed Advisory Group and contained in the Lower Boise River TMDL (IDEQ, 2000) find that flow alteration and habitat contribute to impairment of use in ALL reaches of the Boise River below Lucky Peak Dam. The LBR TMDL finds that:

"Sediment, temperature, flow, and habitat conditions contribute to the impairment of the cold water biota." (p.1, Executive Summary, LBR TMDL, IDEQ, 2000); "In addition, flow and habitat conditions impair aquatic life uses in the Boise River." (p 31, LBR TMDL, IDEQ 2000);

"Sediment, temperature, and flow and habitat conditions in the river all contribute to impairment of cold water biota and salmonid spawning." (p. 47, LBR TMDL, IDEQ 2000);

"Table 10: Status of Aquatic Life Uses in Lower Boise River Reach Other Causes of Impairment Boise River: Lucky Peak to BarberFlow Alteration, habitat modification (lack of cover, lack of gravels, channelization, embeddedness, and armored substrate)

Boise River: Barber to Star Same as above

Boise River: Star to Notus Same as above

Boise River: Notus to Mouth Same as above
(p. 47, LBR TMDL, IDEQ 2000);

"Many of man's activities in the lower Boise River watershed contribute to degradation of flow and habitat conditions. Flow manipulation for flood control, irrigation, impoundments, flood control activities such as clearing debris and construction of levees, gravel mining, unscreened diversions, angling pressure and barriers in the river all have adverse affects on habitat. It is DEQ's position that habitat modification and flow alteration, which may adversely affect beneficial uses, are not pollutants under Section 303(d) of the Clean Water Act. There are no water quality standards for habitat or flow, nor are they suitable for estimation of load capacity or load allocations. Because of these practical limitations, TMDLs will not be developed to address habitat modification or flow alteration." (p.48, LBR TMDL, IDEQ, 2000).

The City recommends that IDEQ list the Boise River from Diversion Dam to the Mouth for flow alteration and habitat in Section 4c based on the Tier 1 data and multiple lines of evidence described above.

ID17050114SW010_02	Fivemile, Eightmile, and Ninemile Creeks - 1st and 2nd order	65	MILES
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Low flow alterations

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17050114SW011a_06	Boise River - Diversion Dam to Veterans Memorial Parkway	22.54	MILES
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Physical substrate habitat alterations

Low flow alterations

The lower Boise River from Diversion Dam to the mouth is NOT listed for flow or habitat alteration despite listing of the reach immediately above for flow alteration. The lower Boise River is a highly regulated stream with three upstream reservoirs that are jointly operated to meet irrigation, flood control and other uses.

Flow and habitat assessments have been done on the lower Boise River by Idaho Fish and Game, Asbridge and Bjornn (1988), and USGS (1997). These studies, in addition to chemical, physical and biological data collected by USGS for the Lower Boise Watershed Advisory Group and contained in the Lower Boise River TMDL (IDEQ, 2000) find that flow alteration and habitat contribute to impairment of use in ALL reaches of the Boise River below Lucky Peak Dam. The LBR TMDL finds that:

"Sediment, temperature, flow, and habitat conditions contribute to the impairment of the cold water biota." (p.1, Executive Summary, LBR TMDL, IDEQ, 2000); "In addition, flow and habitat conditions impair aquatic life uses in the Boise River." (p 31, LBR TMDL, IDEQ 2000);

"Sediment, temperature, and flow and habitat conditions in the river all contribute to impairment of cold water biota and salmonid spawning." (p. 47, LBR TMDL, IDEQ 2000);

"Table 10: Status of Aquatic Life Uses in Lower Boise River Reach Other Causes of Impairment Boise River: Lucky Peak to BarberFlow Alteration, habitat modification (lack of cover, lack of gravels, channelization, embeddedness, and armored substrate)

Boise River: Barber to Star Same as above

Boise River: Star to Notus Same as above

Boise River: Notus to Mouth Same as above
(p. 47, LBR TMDL, IDEQ 2000);

"Many of man's activities in the lower Boise River watershed contribute to degradation of flow and habitat conditions. Flow manipulation for flood control, irrigation, impoundments, flood control activities such as clearing debris and construction of levees, gravel mining, unscreened diversions, angling pressure and barriers in the river all have adverse affects on habitat. It is DEQ's position that habitat modification and flow alteration, which may adversely affect beneficial uses, are not pollutants under Section 303(d) of the Clean Water Act. There are no water quality standards for habitat or flow, nor are they suitable for estimation of load capacity or load allocations. Because of these practical limitations, TMDLs will not be developed to address habitat modification or flow alteration." (p.48, LBR TMDL, IDEQ, 2000).

The City recommends that IDEQ list the Boise River from Diversion Dam to the Mouth for flow alteration and habitat in Section 4c based on the Tier 1 data and multiple lines of evidence described above.

ID17050114SW011b_06	Boise River - Lucky Peak Dam to Diversion Dam	2.32	MILES
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Low flow alterations

17050123 North Fork Payette

ID17050123SW001_06	North Fork Payette River - Cascade to Smiths Ferry	23.23	MILES
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Low flow alterations

2/6/2013 (HS) - The 2005 North Fork Payette River TMDL (approved by EPA August 2005) identified that this section of the river was impaired by the altered flow regime caused by Cascade Reservoir. It is therefore being listed in Category 4C. A sediment TMDL was also established.

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17050123SW001_06a	North Fork Payette River - Smiths Ferry to Banks	19.1	MILES
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Other flow regime alterations

From 2005 TMDL, page 57:

The North Fork Payette River is a hydrologically modified system with flow largely influenced by outflow from Cascade Dam and in the lower reach, inflow from the South Fork Payette River. Peak flow usually occurs in late May and June from both snowmelt runoff and release of water from Lake Cascade after the reservoir fills (Figures 21 and 22). The average annual runoff at Horseshoe Bend is about 2.35 million acre-feet of water per year. Base flow is usually in November. If the system were not hydrologically modified, base flows would probably occur in August. Prior to the reservoir filling, releases in winter and spring are generally around 200 cubic feet per second (cfs). The BOR informally operates Cascade and Deadwood to try and keep maximum flows below 12,000 cfs at the Horseshoe Bend gauge. During the summer months, flows are generally kept at between 2,100-2,600 cfs at the Horseshoe Bend gauge in order to meet the needs of downstream irrigators. Dam releases are from Cascade and Deadwood Reservoirs.

ID17050123SW011_03	Boulder Creek - 3rd order (Louie Creek to mouth)	11.55	MILES
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Other flow regime alterations

ID17050123SW012_03	Lake Fork - Little Payette Lake to Cascade Reservoir	19.55	MILES
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Low flow alterations

17050201 Brownlee Reservoir

ID17050201SW007_03	Warm Springs Creek - 3rd order	5.3	MILES
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Low flow alterations

Upper Snake

17040104 Palisades

ID17040104SK001_06	Snake River	27.84	MILES
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Other flow regime alterations

ID17040104SK002_03	Antelope Creek - source to mouth	6.04	MILES
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Low flow alterations

ID17040104SK003_06	Snake River - Fall Creek to Black Canyon Creek	33	MILES
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Other flow regime alterations

ID17040104SK008_06	Snake River - Palisades Reservoir Dam to Fall Creek	22.28	MILES
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Other flow regime alterations

ID17040104SK026_02	Little Elk Creek - source to Palisades Reservoir	9.67	MILES
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Low flow alterations

17040105 Salt

ID17040105SK001_02b	Newswander Canyon	4.97	MILES
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Physical substrate habitat alterations

ID17040105SK002_02c	Cabin Creek	3.01	MILES
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Physical substrate habitat alterations

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17040105SK003_02j	Haderlie Creek	8.65	MILES
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Physical substrate habitat alterations

ID17040105SK006_02f	White Canyon	3.2	MILES
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Physical substrate habitat alterations

ID17040105SK007_02c	Smoky Creek	10.79	MILES
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Physical substrate habitat alterations

ID17040105SK007_02f	Draney Creek	6.86	MILES
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Physical substrate habitat alterations

ID17040105SK007_03	Tygee Creek - source to mouth	5.98	MILES
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Low flow alterations

Physical substrate habitat alterations

ID17040105SK008_02c	Beaver Dam Creek	5.11	MILES
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Physical substrate habitat alterations

ID17040105SK010_02a	South Fork Deer Creek	11.71	MILES
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Physical substrate habitat alterations

17040201 Idaho Falls

ID17040201SK013_06	Snake River - river mile 856 to Dry Bed Creek	7.24	MILES
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Other flow regime alterations

17040204 Teton

ID17040204SK002_05	North Fork Teton River - Teton River Forks to Henrys Fork	17	MILES
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Low flow alterations

ID17040204SK014_04	Teton River - Felt Dam outlet to Milk Creek	1.66	MILES
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Physical substrate habitat alterations

ID17040204SK015_04	Teton River - Felt Dam pool	4.12	MILES
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Physical substrate habitat alterations

ID17040204SK016_04	Teton River - Highway 33 bridge to Felt Dam pool	3.26	MILES
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Physical substrate habitat alterations

ID17040204SK017_04	Teton River	13.92	MILES
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Physical substrate habitat alterations

ID17040204SK019_02	Packsaddle Creek	14.58	MILES
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Other flow regime alterations

ID17040204SK020_04	Teton River	13.72	MILES
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Physical substrate habitat alterations

ID17040204SK021_03	Horseshoe Creek	4.81	MILES
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Low flow alterations

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17040204SK025_02	Mahogany Creek	7.01	MILES
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Other flow regime alterations

ID17040204SK026_02	Teton River - Trail Creek to Teton Creek	22.34	MILES
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Other flow regime alterations

ID17040204SK026_04	Teton River - Trail Creek to Teton Creek	6.46	MILES
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Physical substrate habitat alterations

ID17040204SK028_03	Teton River	2.6	MILES
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Physical substrate habitat alterations

ID17040204SK032_02	Drake Creek - source to mouth	5.43	MILES
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Physical substrate habitat alterations

ID17040204SK041_02	Fox Creek	7.98	MILES
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Other flow regime alterations

ID17040204SK042_02	Fox Creek	0.91	MILES
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Other flow regime alterations

ID17040204SK056_02	Spring Creek - source to North Leigh Creek, including spring	24.2	MILES
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Other flow regime alterations

17040205 Willow

ID17040205SK006_02	Birch Creek - source to mouth	14.12	MILES
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Low flow alterations

Physical substrate habitat alterations

ID17040205SK006_03	Birch Creek - source to mouth	1.01	MILES
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Low flow alterations

Physical substrate habitat alterations

ID17040205SK015_02	Long Valley Creek - source to mouth	22.33	MILES
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Low flow alterations

17040206 American Falls

ID17040206SK002_03	Bannock Creek - source to American Falls Reservoir	14.26	MILES
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Low flow alterations

ID17040206SK010_04	Rattlesnake Creek - lower	5.38	MILES
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Low flow alterations

ID17040206SK024_02a	McTucker Creek	2.13	MILES
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Physical substrate habitat alterations

17040207 Blackfoot

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17040207SK002_02b	Deadman Creek	5.17	MILES
Physical substrate habitat alterations			
ID17040207SK002_05	Blackfoot River - Blackfoot Reservoir Dam to Fort Hall Main	65.16	MILES
Other flow regime alterations			
ID17040207SK005_02a	Grave Creek	3.95	MILES
Physical substrate habitat alterations			
ID17040207SK005_02d	Coyote Creek	1.23	MILES
Physical substrate habitat alterations			
ID17040207SK005_03	Grave Creek - West Creek to Blackfoot River	5.47	MILES
Physical substrate habitat alterations			
ID17040207SK006_02a	Chicken Creek - headwaters to Corral Creek	6.41	MILES
Physical substrate habitat alterations			
ID17040207SK006_02b	Bear Creek - headwaters to Corral Creek	3.85	MILES
Physical substrate habitat alterations			
ID17040207SK006_03	Corral Creek - middle	9.22	MILES
Physical substrate habitat alterations			
ID17040207SK007_02a	Sawmill Creek - headwaters to Grizzly Creek	7.46	MILES
Physical substrate habitat alterations			
ID17040207SK007_03	Grizzly Creek - source to mouth	4.55	MILES
Physical substrate habitat alterations			
ID17040207SK008_02	Thompson Creek - upper	10.69	MILES
Physical substrate habitat alterations			
ID17040207SK009_02a	Collett Creek - headwaters to Blackfoot Reservoir	3.98	MILES
Physical substrate habitat alterations			
ID17040207SK009_03	Little Blackfoot River	7.66	MILES
Low flow alterations			
Physical substrate habitat alterations			
ID17040207SK010_02a	State Land Creek - headwaters to Blackfoot River	9.07	MILES
Physical substrate habitat alterations			
ID17040207SK011_03	Trail Creek - source to mouth (Below Findlayson Ranch)	5.55	MILES
Low flow alterations			
ID17040207SK012_02b	Goodheart Creek	7.55	MILES
Physical substrate habitat alterations			
ID17040207SK012_03	Slug Creek - source to mouth (2nd order to 3rd order)	4.79	MILES
Physical substrate habitat alterations			

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17040207SK012_04	Slug Creek - source to mouth	18.59	MILES
Low flow alterations			
Physical substrate habitat alterations			
ID17040207SK013_02a	Dry Valley Creek	6.44	MILES
Physical substrate habitat alterations			
ID17040207SK015_02a	upper Mill Canyon	2.44	MILES
Physical substrate habitat alterations			
ID17040207SK018_02e	Lanes Creek - FS boundary to Lander Creek	3.13	MILES
Physical substrate habitat alterations			
ID17040207SK018_03	Lanes Creek - Lander Creek to Chippy Creek	3.65	MILES
Physical substrate habitat alterations			
ID17040207SK018_04	Lanes Creek - Chippy Creek to Blackfoot River	9.41	MILES
Physical substrate habitat alterations			
ID17040207SK019_02b	Bacon Creek - below FS boundary	3.51	MILES
Physical substrate habitat alterations			
ID17040207SK019_03	Bacon Creek - below FS boundary	2.04	MILES
Physical substrate habitat alterations			
ID17040207SK019_04	Bacon Creek - below FS boundary	4.61	MILES
Physical substrate habitat alterations			
ID17040207SK021_03	Lower Chippy Creek	4.62	MILES
Physical substrate habitat alterations			
ID17040207SK022_03	lower Sheep Creek	1.32	MILES
Physical substrate habitat alterations			
ID17040207SK023_02a	Rasmussen Creek	6.27	MILES
Physical substrate habitat alterations			
ID17040207SK023_02b	upper Angus Creek - headwaters to Rasumussen Creek	7.81	MILES
Physical substrate habitat alterations			
ID17040207SK023_04	Lower Angus Creek - Rasmussen Creek to Blackfoot River	3.46	MILES
Physical substrate habitat alterations			
ID17040207SK025_02c	Clarks Cut - Sheep Creek to HUC boundary	2.95	MILES
Physical substrate habitat alterations			
ID17040207SK025_03b	Crooked Creek	2.13	MILES
Physical substrate habitat alterations			
ID17040207SK030_03	Wolverine Creek - Jones Creek to Mouth	2.53	MILES
Low flow alterations			
Physical substrate habitat alterations			

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

17040208

Portneuf

ID17040208SK001_05	Portneuf River - Marsh Creek to American Falls Reservoir	28.52	MILES
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Physical substrate habitat alterations

ID17040208SK006_03a	Marsh Creek - Rt Fk to Red Rock Pass	3.78	MILES
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Physical substrate habitat alterations

ID17040208SK006_04	Lower Marsh Creek	17.69	MILES
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Low flow alterations

Physical substrate habitat alterations

ID17040208SK006_04a	Lower Middle Marsh Creek	19.75	MILES
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Low flow alterations

Physical substrate habitat alterations

ID17040208SK010_02b	lower Garden Creek	7.66	MILES
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Low flow alterations

Physical substrate habitat alterations

ID17040208SK014_02	Cherry Creek - ephemeral tributaries	17.64	MILES
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Low flow alterations

Physical substrate habitat alterations

ID17040208SK014_02b	Cherry Creek	5.83	MILES
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Low flow alterations

Physical substrate habitat alterations

ID17040208SK016_02	Portneuf R - 2nd order tribs-Chesterfield Dam to Marsh Creek	162.68	MILES
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Low flow alterations

Physical substrate habitat alterations

ID17040208SK016_03	Portneuf River - Chesterfield Reservoir Dam to Marsh Creek	5.52	MILES
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Low flow alterations

ID17040208SK016_04	Portneuf River - Chesterfield Reservoir Dam to Marsh Creek	2.82	MILES
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Low flow alterations

ID17040208SK016_05	Portneuf River - 5th Order	52.84	MILES
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Low flow alterations

ID17040208SK017_02c	Beaverdam Creek	3.84	MILES
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Physical substrate habitat alterations

ID17040208SK018_02a	Twentyfour Mile Creek	1.17	MILES
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Low flow alterations

Physical substrate habitat alterations

17040210

Raft

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17040210SK001_05	Raft River - Heglar Canyon Creek to mouth	12.42	MILES
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Low flow alterations

ID17040210SK002_02	Raft River - Cassia Creek to Heglar Canyon Creek	167.11	MILES
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Other flow regime alterations

ID17040210SK002_05	Raft River - Cassia Creek to Heglar Canyon Creek	21.41	MILES
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Other flow regime alterations

ID17040210SK003_04	Cassia Creek - Conner Creek to mouth	12.78	MILES
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Physical substrate habitat alterations

ID17040210SK007_05	Cassia Creek - source to Clyde Creek	4.82	MILES
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Other flow regime alterations

ID17040210SK008_04	Raft River - Cottonwood Creek to Cassia Creek	22.93	MILES
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Other flow regime alterations

ID17040210SK010_04	Raft River	19.11	MILES
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Low flow alterations

ID17040210SK013_04	Raft River - Idaho/Utah border to Edwards Creek	8.99	MILES
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Other flow regime alterations

ID17040210SK019_02	Sublett Creek - Sublett Reservoir Dam to mouth	51.5	MILES
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Other flow regime alterations

ID17040210SK020_0L	Sublett Reservoir	79.91	ACRES
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Low flow alterations

17040211 Goose

ID17040211SK000_02A	Little Cottonwood Creek	63.29	MILES
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Low flow alterations

ID17040211SK002L_0L	Lower Goose Creek Reservoir	1005.99	ACRES
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Other flow regime alterations

ID17040211SK003_04	Trapper Creek - from and including Squaw Cr. to reservoir	7.32	MILES
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Other flow regime alterations

ID17040211SK003_04a	Trapper Creek	0.35	MILES
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Physical substrate habitat alterations

17040212 Upper Snake-Rock

ID17040212SK000_02	1st and 2nd order tribs to Yahoo and Deep Creek	392.29	MILES
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Other flow regime alterations

ID17040212SK001_07	Snake River - Lower Salmon Falls to Clover Creek	26.65	MILES
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Other flow regime alterations

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17040212SK005_07	Snake River - Box Canyon Creek to Lower Salmon Falls	16.51	MILES
Other flow regime alterations			
ID17040212SK007_02	2nd order segments of Briggs Creeks and Cedar Draw	15.69	MILES
Other flow regime alterations			
ID17040212SK007_07	Snake River - Rock Creek to Box Canyon Creek	18.29	MILES
Other flow regime alterations			
ID17040212SK010_03	Mud Creek - Deep Creek Road (T09S, R14E) to mouth	1.07	MILES
Low flow alterations			
ID17040212SK012_03	Cedar Draw - source to mouth	2.93	MILES
Low flow alterations			
ID17040212SK013_04	Rock Creek -river mile 25 (T11S, R18E, Sec. 36) to mouth	4.63	MILES
Other flow regime alterations			
ID17040212SK013_05	Rock Creek -river mile 25 (T11S, R18E, Sec. 36) to mouth	20.21	MILES
Other flow regime alterations			
ID17040212SK014_02	North/Dry Cottonwood Creek - source to mouth	37.64	MILES
Low flow alterations			
ID17040212SK014_04	Cottonwood Creek - 4th order segment	6.25	MILES
Other flow regime alterations			
ID17040212SK015_03	McMullen Creek - source to mouth	9.4	MILES
Other flow regime alterations			
ID17040212SK016_04	Rock Creek	8.3	MILES
Other flow regime alterations			
ID17040212SK019_07	Snake River - Twin Falls to Rock Creek	11.88	MILES
Other flow regime alterations			
ID17040212SK020_07	Snake River - Milner Dam to Twin Falls	21.3	MILES
Other flow regime alterations			
ID17040212SK022_03	Dry Creek - source to mouth	9.85	MILES
Other flow regime alterations			
ID17040212SK023_02	West Fork Dry Creek - source to mouth	10.71	MILES
Other flow regime alterations			
ID17040212SK031_02	Sand Springs	4.61	MILES
Other flow regime alterations			
ID17040212SK033_02	Billingsley Creek - source to mouth	8.13	MILES
Other flow regime alterations			

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17040212SK034_04	Clover Creek - Pioneer Reservoir Dam outlet to Snake River	10.09	MILES
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Low flow alterations

ID17040212SK035_04	Pioneer Reservoir	228.92	ACRES
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Other flow regime alterations

ID17040212SK040_03	Calf Creek - source to mouth	6.56	MILES
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Low flow alterations

17040213 Salmon Falls

ID17040213SK000_04	Cedar Creek-reservoir to Salmon Falls Creek	19.53	MILES
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Other flow regime alterations

17040214 Beaver-Camas

ID17040214SK002_05	Camas Creek - Spring Creek to Beaver Creek	41.34	MILES
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Other flow regime alterations

Physical substrate habitat alterations

ID17040214SK003_05	Beaver Creek - canal (T09N, R36E) to mouth	10.57	MILES
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Other flow regime alterations

Physical substrate habitat alterations

ID17040214SK015_05	Beaver Creek - Rattlesnake Creek to Dry Creek	2.9	MILES
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Other flow regime alterations

Physical substrate habitat alterations

17040215 Medicine Lodge

ID17040215SK012_03	Irving Creek - source to mouth	2.56	MILES
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Physical substrate habitat alterations

17040216 Birch

ID17040216SK001_04	Birch Creek - Reno Ditch to playas	24.7	MILES
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Other flow regime alterations

12/29/2009 - The Birch Creek Subbasin Assessment indicates that this segment is permanently de-watered for hydroelectric power generation by a diversion structure at the Reno Ditch.

17040217 Little Lost

ID17040217SK022_03	Wet Creek - Squaw Creek to mouth	8.36	MILES
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Other flow regime alterations

17040218 Big Lost

ID17040218SK002_06	Big Lost River-Spring Creek to Big Lost River Sinks (playas)	72.22	MILES
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Other flow regime alterations

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17040218SK003_06	Spring Creek - Lower Pass Creek to Big Lost River	17.12	MILES
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Low flow alterations

Physical substrate habitat alterations

ID17040218SK020_03	Willow Creek - source to mouth	4.05	MILES
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Low flow alterations

06/28/2012 (DDS) - Willow Creek is completely diverted a mile below its source and flows through a system of ditches. BURP monitoring occurred during 1998, a 20th percentile high water year. Even during peak flow, runoff infiltrates loose alluvium before a confluence is made with Thousand Springs Creek. The macroinvertebrate data--with high population but low taxa richness--indicate resistance to spates and drying. Data are consistent with natural background conditions for first- and second-order streams in this subbasin, which are not target locations for BURP monitoring or DEQ assessment methods. 2009 DEQ monitoring determined that there is insufficient flow to establish bankfull width or support riparian vegetation.

ID17040218SK024_05	Big Lost River - Burnt Creek to Thousand Springs Creek	21.44	MILES
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Low flow alterations

ID17040218SK046_02	Antelope Creek - Spring Creek to mouth	49.56	MILES
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Other flow regime alterations

ID17040218SK047_04	Antelope Creek - Dry Fork Creek to Spring Creek	3.56	MILES
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Other flow regime alterations

17040219 Big Wood

ID17040219SK004_05	Big Wood River - Seamans Creek to Magic Reservoir	39.45	MILES
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Other flow regime alterations

ID17040219SK007_05	Big Wood River - North Fork Big Wood River to Seamans Creek	29	MILES
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Other flow regime alterations

ID17040219SK008_02A	Quigley Creek	9.61	MILES
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Low flow alterations

ID17040219SK027_03	Croy Creek - source to mouth	8.36	MILES
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Low flow alterations

ID17040219SK030_03	Black Canyon Creek - source to mouth	28.03	MILES
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Low flow alterations

17040220 Camas

ID17040220SK011_02	Soldier Creek - Wardrop Creek to mouth	15.21	MILES
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Other flow regime alterations

Droughts, flow diversions, aquifer level fluctuations, and channel straightening all contribute to the intermittent status of the lower segments of the creek. See pg 60 Camas Creek Subbasin Assessment

ID17040220SK023L_0L	Mormon Reservoir	1583.81	ACRES
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Other flow regime alterations

Flow alterations are not a pollutant but rather pollution. Mormon Reservoir will remain listed as impaired by flow alteration as noted on pg 157 Camas Creek Subbasin Assessment.

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17040220SK025_02	McKinney Creek - source to Mormon Reservoir	17.49	MILES
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Low flow alterations

17040221 Little Wood

ID17040221SK001_05	Little Wood River	28.93	MILES
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Other flow regime alterations

ID17040221SK001_05a	Little Wood River	29.49	MILES
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Other flow regime alterations

ID17040221SK001_05b	Little Wood River	5.66	MILES
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Other flow regime alterations

ID17040221SK002_05	Little Wood River	25.8	MILES
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Other flow regime alterations

ID17040221SK003_05	Little Wood River - West Canal (north) to West Canal (south)	14.52	MILES
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Low flow alterations

3/19/2013 - Water diverted for irrigation purposes.

ID17040221SK006_03	Fish Creek - Fish Creek Reservoir Dam to mouth	2.67	MILES
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Other flow regime alterations

ID17040221SK006_04	Fish Creek - Fish Creek Reservoir Dam to mouth	16.59	MILES
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Other flow regime alterations

ID17040221SK007L_0L	Fish Creek Reservoir	349.53	ACRES
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Other flow regime alterations

ID17040221SK008_04	Fish Creek - source to Fish Creek Reservoir	1.37	MILES
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Other flow regime alterations

ID17040221SK009_03	West Fork Fish Creek - source to Fish Creek Reservoir	3.32	MILES
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Other flow regime alterations

ID17040221SK010_05	Little Wood River - Little Wood River Reservoir Dam to Carey	4.31	MILES
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Other flow regime alterations

Flow may not be sufficient to support beneficial uses, however beneficial uses support status is unknown at this time. pg 113 Little Wood River Subbasin Assessment.

ID17040221SK012L_0L	Little Wood River Reservoir	598.94	ACRES
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Other flow regime alterations

As a result of the subbasin assessment, the Little Wood River Reservoir will remain listed as impaired by flow alteration. See page 132

ID17040221SK022_02	Dry Creek - source to mouth	39.63	MILES
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Other flow regime alterations

As a result of the subbasin assessment Dry Creek will remain listed as impacted by flow alteration. See pg 76 of the Little Wood River Subbasin Assessment

2012 Integrated Report: Category 4c: Waters Impaired by Pollution

ID17040221SK022_03	Dry Creek - source to mouth	11.62	MILES
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Other flow regime alterations	As a result of the subbasin assessment Dry Creek will remain listed as impacted by flow alteration. See pg 76 Little Wood River Subbasin Assessment
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Appendix J. Category 5 (§303(d) list)—waters of the state for which a TMDL is needed.

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2012 Integrated Report: Category 5: Impaired Waters Needing a TMDL

2012 Integrated Report: Category 5 (§303(d))

Bear River

16010102

Central Bear

ID16010102BR001_05	Bear River - Idaho/Wyoming border to railroad bridge	30.88	MILES
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Sedimentation/Siltation

ID16010102BR002_03	Pegram Creek - source to mouth	6.27	MILES
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Sedimentation/Siltation

ID16010102BR005_02	Dry Creek - Dip Creek to Thomas Fork	6.75	MILES
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Sedimentation/Siltation

Cause Unknown

Nutrients Suspected Impairment

ID16010102BR005_02a	Dry Creek (including Dip Creek) to USFS boundary	8.62	MILES
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Sedimentation/Siltation

Despite passing BURP in 2006, DEQ 2008 streambank inventory data show streamabanks do not meet 80% stability target.

ID16010102BR006_02	Preuss Creek - USFS boundary to Geneva ditch	6.03	MILES
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Sedimentation/Siltation

ID16010102BR006_02a	Beaver Creek - headwaters to Preuss Creek	7.52	MILES
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Combined Biota/Habitat Bioassessments

ID16010102BR006_02b	Preuss Creek (includes Fish Cr) headwaters to USFS boundary	12.02	MILES
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Sedimentation/Siltation

Despite passing BURP in 2006, DEQ streambank inventory data show streamabanks do not meet 80% stability target.

ID16010102BR008_02	Sheep Creek - source to mouth	22.44	MILES
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Sedimentation/Siltation

16010201

Bear Lake

ID16010201BR002_02	Bennington Canyon and unnamed tributaries	176.91	MILES
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Combined Biota/Habitat Bioassessments

Sedimentation/Siltation

Cause Unknown

Nutrients Suspected Impairment

ID16010201BR002_02d	Dunn's Creek	10.49	MILES
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Cause Unknown

ID16010201BR002_05	Bear River-railroad bridge (T14N, R45E, Sec. 21) to Ovid Cr.	55.45	MILES
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Temperature, water

Exceeded State WQS for SS and CWAL. See temperature data in IDASA.

2012 Integrated Report: Category 5 (§303(d))

ID16010201BR002_06	Bear River - Ovid Cr confluence to Alexander Reservoir	44.34	MILES
Temperature, water		Exceeded State WQS for SS and CWAL. See temperature data in IDASA.	
ID16010201BR006_02d	Stauffer Creek - Beaver Cr to Spring Cr	5.25	MILES
Escherichia coli			
ID16010201BR006_02e	Spring Creek	5.53	MILES
Combined Biota/Habitat Bioassessments			
ID16010201BR008_02	Co-op Creek - source to mouth	3.12	MILES
Sedimentation/Siltation			
Phosphorus (Total)			
ID16010201BR008_02a	upper Co-Op Creek	5.48	MILES
Sedimentation/Siltation			
Phosphorus (Total)			
ID16010201BR011_03a	Middle Mill Creek	1.99	MILES
Fecal Coliform			
ID16010201BR013_02a	Sleight Canyon	11.33	MILES
Combined Biota/Habitat Bioassessments			
ID16010201BR013_02b	Upper Paris Creek	5.48	MILES
Combined Biota/Habitat Bioassessments			
ID16010201BR016_02a	St Charles Creek - headwaters to Snowslide Canyon	15.63	MILES
Temperature, water		Exceeded State WQS for SS. See temperature data in IDASA.	
ID16010201BR016_03	St. Charles Creek - Little Creek to Spring Creek	2.75	MILES
Temperature, water		Exceeded state WQS for SS. See documentation in IDASA.	
ID16010201BR016_03a	St Charles Creek - Little Creek to Bear Lake	2.67	MILES
Temperature, water		Exceeded state WQS for SS. See documentation in IDASA.	
ID16010201BR016_03b	St Charles Creek - Snowslide Canyon to Little Creek	9.21	MILES
Temperature, water		Exceeded state WQS for SS. See documentation in IDASA.	
ID16010201BR018_0La	Indian Creek	5.77	MILES
Sedimentation/Siltation			
ID16010201BR020_02	Montpelier Creek - source to mouth	32.13	MILES
Escherichia coli			
Sedimentation/Siltation			
ID16010201BR020_02a	Little Beaver Creek	3.64	MILES
Escherichia coli			

2012 Integrated Report: Category 5 (§303(d))

ID16010201BR020_02b Whiskey Creek - headwaters to Montpelier Creek	5.25	MILES
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Combined Biota/Habitat Bioassessments

Escherichia coli

ID16010201BR020_02d Home Canyon	13.2	MILES
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Escherichia coli

ID16010201BR020_02e Montpelier Creek - headwaters to Whiskey Creek	4.11	MILES
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Escherichia coli

Cause Unknown

ID16010201BR020_02f Snowslide Creek - lower	0.87	MILES
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Combined Biota/Habitat Bioassessments

ID16010201BR020_03 Lower Montpelier Creek	5.29	MILES
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Combined Biota/Habitat Bioassessments

Sedimentation/Siltation

Escherichia coli See DEQ BURP bacteria data. Failed Geometric mean in 2004.

ID16010201BR020_03a Middle Montpelier Creek	9.1	MILES
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Escherichia coli

ID16010201BR020_03b Montpelier Creek	4.4	MILES
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Escherichia coli

ID16010201BR021_02 Snowslide Creek - source to mouth	5.47	MILES
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Sedimentation/Siltation

ID16010201BR022_02b Upper Georgetown Creek - headwaters to left hand fork	10.86	MILES
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Selenium Se listed based on DEQ data. See DEQ 2006. Selenium Project Southeast Idaho Phosphate Mining Resource Area.

ID16010201BR022_03a Lower Georgetown Creek - left hand fork to mouth	3.91	MILES
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Escherichia coli

16010202 Middle Bear

ID16010202BR003_02b Deep Creek	4.91	MILES
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Escherichia coli

ID16010202BR003_03 Cub River - Sugar Creek to Maple Creek	5.28	MILES
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Escherichia coli

ID16010202BR005_01L Foster Reservoir	131.7	ACRES
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Mercury

2/18/2010 (NED) - Mercury listing based on the DEQ report, "Arsenic, Mercury, and Selenium in Fish Tissue from Idaho Lakes and Reservoirs: A Statewide Assessment" (Essig and Kostermann, May 2008). A Mercury level of 0.389 mg/kg, which exceeds the human health criterion of 0.3 mg/kg, was reported.

2012 Integrated Report: Category 5 (§303(d))

ID16010202BR005_02L	Glendale Reservoir	203.11	ACRES
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Mercury

2/18/2010 (NED) - Mercury listing based on the DEQ report, "Arsenic, Mercury, and Selenium in Fish Tissue from Idaho Lakes and Reservoirs: A Statewide Assessment" (Essig and Kostermann, May 2008). A Mercury level of 0.565 mg/kg, which exceeds the human health criterion of 0.3 mg/kg, was reported.

ID16010202BR006_06	Bear River-Oneida Narrows Reservoir Dam to Idaho/Utah border	36.08	MILES
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Temperature, water Exceeded State WQS for SS and CWAL. See temperature data in IDASA.

ID16010202BR007_02a	Strawberry Creek	10.37	MILES
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Sedimentation/Siltation

ID16010202BR009_02b	Alder Creek - headwaters to mouth	17.72	MILES
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Fecal Coliform

ID16010202BR009_06	Bear River - Alexander Reservoir Dam to Densmore Creek	15.56	MILES
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Temperature, water Exceeded State WQS for SS and CWAL. See temperature data in IDASA.

ID16010202BR009_06a	Bear River - Denismore Cr to above Oneida Reservoir	21.54	MILES
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Temperature, water Exceeded State WQS for SS and CWAL. See temperature data in IDASA.

ID16010202BR014_02b	Blue Creek	27.02	MILES
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Combined Biota/Habitat Bioassessments

ID16010202BR014_02c	Shingle Creek	10.57	MILES
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Escherichia coli

ID16010202BR014_03a	Shingle Creek	0.84	MILES
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Escherichia coli

ID16010202BR018_02b	Swan Lake Creek	13.79	MILES
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Sedimentation/Siltation

Fecal Coliform

ID16010202BR019_02	Fivemile Creek - source to Dayton	9.5	MILES
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Escherichia coli

ID16010202BR019_02a	Fivemile Creek - Dayton to mouth	5.71	MILES
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Escherichia coli

ID16010202BR020_02L	Weston Creek Reservoir	111.42	ACRES
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Mercury

2/18/2010 - (NED) Mercury listing based on the DEQ report, "Arsenic, Mercury, and Selenium in Fish Tissue from Idaho Lakes and Reservoirs: A Statewide Assessment" (Essig and Kostermann, May 2008). A Mercury level of 0.379 mg/kg, which exceeds the human health criterion of 0.3 mg/kg, was reported.

ID16010202BR021_02	Jenkins Hollow (Newton Creek)	12.62	MILES
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Sedimentation/Siltation

2012 Integrated Report: Category 5 (§303(d))

ID16010202BR021_02a Steel Canyon	0.91	MILES
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Sedimentation/Siltation

16010203 Little Bear-Logan

ID16010203BR001_02a Beaver Creek	8.53	MILES
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Combined Biota/Habitat Bioassessments

ID16010203BR002_02 Logan River - source to Idaho/Utah border	9.14	MILES
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Combined Biota/Habitat Bioassessments

Idaho WBAG2 and BURP Monitoring Data (June 2006)
Boss Canyon Creek & Nibbley Creek BURP Locations

ID16010203BR002_03 Logan River - source to Idaho/Utah border	1.13	MILES
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Sedimentation/Siltation

Grazing has contributed to sedimentation as source of failing BURP in 2002. BURP passed in 2007 but will continue with listing and further assess through TMDL process.

16010204 Lower Bear-Malad

ID16010204BR001_02b Four Mile Canyon	7.59	MILES
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Sedimentation/Siltation

ID16010204BR001_02c West Cherry Creek	4.53	MILES
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Combined Biota/Habitat Bioassessments

Habitat Assessment (Streams)

Cause Unknown

ID16010204BR001_02d Henderson Creek	4.98	MILES
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Sedimentation/Siltation

ID16010204BR002_02 Devil Creek - Devil Creek Reservoir Dam to mouth	10.17	MILES
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Escherichia coli

ID16010204BR002_02a Campbell Creek	2.87	MILES
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Fecal Coliform

ID16010204BR002_03 Devil Creek - Devil Creek Reservoir Dam to mouth	24.64	MILES
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Combined Biota/Habitat Bioassessments

Escherichia coli

Cause Unknown

ID16010204BR004_02 Devil Creek - source to Devil Creek Reservoir	14.35	MILES
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Escherichia coli

ID16010204BR006_02a First Creek	8.64	MILES
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Escherichia coli

2012 Integrated Report: Category 5 (§303(d))

ID16010204BR007_02a	Third Creek - headwaters to Deep Creek	12.94	MILES
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Escherichia coli

ID16010204BR010_02b	Upper Wright Creek - headwaters to Indian Mill Canyon	8.87	MILES
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Escherichia coli

ID16010204BR010_03	middle Wright Creek - Indian Mill Canyon to Dairy Creek	2.72	MILES
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Fecal Coliform

ID16010204BR010_04	Wright Creek - Dairy Creek to Daniels Reservoir	4.14	MILES
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Escherichia coli

ID16010204BR011_02	Dairy Creek - source to mouth	39.78	MILES
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Combined Biota/Habitat Bioassessments

ID16010204BR011_03	Dairy Creek - source to mouth	5.49	MILES
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Sedimentation/Siltation

16020309 Curlew Valley

ID16020309BR001_03	Deep Creek - Rock Creek to Idaho/Utah border	44.23	MILES
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Sedimentation/Siltation

ID16020309BR001_03a	Deep Creek	13.61	MILES
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Sedimentation/Siltation

ID16020309BR002_02a	Sheep Creek	13.38	MILES
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Sedimentation/Siltation

Fecal Coliform

ID16020309BR003_02a	Meadow Brook Creek	29	MILES
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Escherichia coli

Sedimentation/Siltation

ID16020309BR003_03a	Rock Creek	3.71	MILES
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Sedimentation/Siltation

Clearwater

17060108 Palouse

ID17060108CL001_02	Cow Creek - source to Idaho/Washington border	84.65	MILES
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Temperature, water

ID17060108CL001_03	Cow Creek - source to Idaho/Washington border	10.7	MILES
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Temperature, water

2012 Integrated Report: Category 5 (§303(d))

17060303

Lochsa

ID17060303CL001_02	Lochsa River - Deadman Creek to mouth	27.94	MILES
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Temperature, water

ID17060303CL001_05	Lochsa River - Deadman Creek to mouth	10.15	MILES
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Temperature, water

ID17060303CL003_05	Lochsa River - Old Man Creek to Deadman Creek	6.94	MILES
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Temperature, water

ID17060303CL008_05	Lochsa River - Fish Creek to Old Man Creek	6.93	MILES
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Temperature, water

ID17060303CL009_05	Lochsa River - Indian Grave Creek to Fish Creek	19.66	MILES
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Temperature, water

ID17060303CL013_05	Lochsa River- Warm Springs Creek to Indian Grave Creek	11.95	MILES
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Temperature, water

ID17060303CL020_05	Lochsa River - confluence of Crooked Fork, White Sand Creek,	13.11	MILES
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Temperature, water

ID17060303CL061_02	Deadman Creek - source to East Fork Deadman Creek	8.67	MILES
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Temperature, water

03/22/2010 - Added by EPA January 2001.

ID17060303CL062_03	Canyon Creek - source to mouth	0.63	MILES
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Temperature, water

03/22/2010 - Added by EPA January 2001.

ID17060303CL063_02	Pete King Creek - Walde Creek to mouth	12.72	MILES
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Temperature, water

03/22/2010 - Added by EPA January 2001.

ID17060303CL063_03	Pete King Creek - Walde Creek to mouth	5.51	MILES
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Temperature, water

ID17060303CL064_02	Walde Creek - source to mouth	12.45	MILES
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Temperature, water

17060306

Clearwater

ID17060306CL006_02	Sweetwater Creek - source to Webb Creek	47.76	MILES
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Sedimentation/Siltation

Temperature, water

Cause Unknown

Pesticides, Nutrients Suspected ImpairmentLow DO due to suspected Organic Enrichment

2012 Integrated Report: Category 5 (§303(d))

ID17060306CL006_03	Sweetwater Creek - source to Webb Creek	3.15	MILES
Sedimentation/Siltation			
Temperature, water			
Fecal Coliform			
Cause Unknown		Pesticides, Nutrients Suspected ImpairmentLow DO due to suspected Organic Enrichment	
ID17060306CL006_04	Sweetwater Creek - source to Webb Creek	6.73	MILES
Sedimentation/Siltation			
Temperature, water			
Fecal Coliform			
Cause Unknown		Pesticides, Nutrients Suspected ImpairmentLow DO due to suspected Organic Enrichment	
ID17060306CL007_02	Webb Creek - source to mouth	34.85	MILES
Sedimentation/Siltation			
Temperature, water			
Fecal Coliform			
Cause Unknown		Nutrients Suspected ImpairmentLow DO due to suspected Organic Enrichment	
ID17060306CL013_07	Clearwater River - North Fork Clearwater River to mouth	25.63	MILES
Dissolved Gas Supersaturation			
ID17060306CL016_03	Big Canyon Creek - source to mouth	27.03	MILES
Combined Biota/Habitat Bioassessments			
ID17060306CL019_02	Holes Creek - source to mouth	26.13	MILES
Ammonia (Un-ionized)			
Oil and Grease			
Sedimentation/Siltation			
Fecal Coliform			
Cause Unknown		Pesticides, Metals, Nutrients Suspected Impairment Low DO due to suspected Organic Enrichment	
ID17060306CL019_03	Holes Creek - source to mouth	2.71	MILES
Ammonia (Un-ionized)			
Oil and Grease			
Sedimentation/Siltation			
Cause Unknown		Pesticides, Metals, Nutrients Suspected ImpairmentLow DO due to suspected Organic Enrichment	
ID17060306CL020_02	Long Hollow Creek - source to mouth	32.6	MILES
Cause Unknown			

2012 Integrated Report: Category 5 (§303(d))

ID17060306CL020_03	Long Hollow Creek - source to mouth	4.04	MILES
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Sedimentation/Siltation

Fecal Coliform

Cause Unknown

Nutrients Suspected ImpairmentLow DO due to suspected Organic Enrichment

ID17060306CL023_02	Sixmile Creek - source to mouth	32.73	MILES
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Ammonia (Un-ionized)

Oil and Grease

Sedimentation/Siltation

Temperature, water

Fecal Coliform

Cause Unknown

Pesticides, Nutrients Suspected ImpairmentLow DO due to suspected Organic Enrichment

ID17060306CL023_03	Sixmile Creek - source to mouth	0.66	MILES
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Ammonia (Un-ionized)

Oil and Grease

Sedimentation/Siltation

Temperature, water

Fecal Coliform

Cause Unknown

Pesticides, Nutrients Suspected ImpairmentLow DO due to suspected Organic Enrichment

ID17060306CL024_02	Lawyer Creek - source to mouth	239.19	MILES
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Ammonia (Un-ionized)

Oil and Grease

Oxygen, Dissolved

Sedimentation/Siltation

Temperature, water

Fecal Coliform

Nutrient/Eutrophication Biological Indicators

ID17060306CL024_03	Lawyer Creek - source to mouth	20.47	MILES
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Ammonia (Un-ionized)

Escherichia coli

Oil and Grease

Sedimentation/Siltation

Temperature, water

Cause Unknown

Nutrients Suspected ImpairmentLow DO due to suspected Organic Enrichment

ID17060306CL025_02	Sevenmile Creek - source to mouth	23.56	MILES
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Sedimentation/Siltation

2012 Integrated Report: Category 5 (§303(d))

ID17060306CL025_03	Sevenmile Creek - source to mouth	2.43	MILES
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Sedimentation/Siltation

ID17060306CL039_03	Orofino Creek, including Rhodes, Cow Creek	18.69	MILES
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Temperature, water

ID17060306CL040_02a	Whiskey Creek	20.81	MILES
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Combined Biota/Habitat Bioassessments

ID17060306CL040_03	Whiskey Creek - source to mouth	10.29	MILES
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Combined Biota/Habitat Bioassessments

ID17060306CL041_02	Bedrock Creek - source to mouth	19.93	MILES
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Ammonia (Un-ionized)

Oil and Grease

Sedimentation/Siltation

Temperature, water

Fecal Coliform

Cause Unknown

Nutrients Suspected ImpairmentLow DO due to suspected Organic Enrichment

ID17060306CL041_03	Bedrock Creek - source to mouth	5.98	MILES
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Combined Biota/Habitat Bioassessments

ID17060306CL043_02	Pine Creek - source to mouth	25.2	MILES
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Sedimentation/Siltation

Temperature, water

Fecal Coliform

Cause Unknown

Nutrients Suspected ImpairmentLow DO due to suspected Organic Enrichment

ID17060306CL043_03	Pine Creek - source to mouth	6.43	MILES
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Ammonia (Un-ionized)

Oil and Grease

Sedimentation/Siltation

Cause Unknown

Nutrients Suspected Impairment

ID17060306CL066_02	Catholic Creek - source to mouth	16.12	MILES
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Combined Biota/Habitat Bioassessments

17060307 Upper North Fork Clearwater

ID17060307CL033_03	Lake Creek - 3rd order segment	4.85	MILES
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Temperature, water

17060308 Lower North Fork Clearwater

2012 Integrated Report: Category 5 (§303(d))

ID17060308CL001_06	North Fork Clearwater River - 6th Order	2.01	MILES
Dissolved Gas Supersaturation			
ID17060308CL002_02b	Elkberry Creek	32.21	MILES
Combined Biota/Habitat Bioassessments			
ID17060308CL002_02c	Middle Fork Robinson Creek	25.55	MILES
Combined Biota/Habitat Bioassessments			
ID17060308CL003_02	Gold Creek, Meadow Creek, unnamed tributary	29.7	MILES
Temperature, water			
ID17060308CL003_03	Reeds Creek - Alder Creek to Gold Creek	3.34	MILES
Temperature, water			
ID17060308CL003_04	Reeds Creek - Gold Creek to unnamed tributary	1.85	MILES
Temperature, water			
ID17060308CL004_02	Reeds Creek - source to Deer Creek, inc. tribs	29.22	MILES
Temperature, water			
ID17060308CL004_03	Reeds Creek - Deer Creek to Alder Creek	8.04	MILES
Temperature, water			
ID17060308CL005_02	Alder Creek - source to mouth	30.9	MILES
Combined Biota/Habitat Bioassessments			
ID17060308CL009_02	Beaver Creek - tributaries	38.39	MILES
Temperature, water			
ID17060308CL009_02c	Bingo Creek - source to mouth	2.77	MILES
Temperature, water			
ID17060308CL009_02e	Beaver Creek - headwater	4.73	MILES
Temperature, water			
ID17060308CL009_03	Beaver Creek - source to mouth	5.67	MILES
Temperature, water			
ID17060308CL009_04	Beaver Creek - source to mouth	7.7	MILES
Temperature, water			
ID17060308CL010_03	Isabella Creek - Elmer/Jug Creek to mouth	5.4	MILES
Temperature, water			
ID17060308CL020_02	Unnamed tributary to Stony Creek	2.09	MILES
Temperature, water			

2012 Integrated Report: Category 5 (§303(d))

ID17060308CL020_04	Stony Creek - Glover Creek to Breakfast Creek	3.69	MILES
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Temperature, water

ID17060308CL020_04a	Breakfast Creek - 4th Order, Stony Cr to Dworshak Reservoir	1.91	MILES
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Temperature, water

ID17060308CL021_02	Floodwood Creek - tributaries	43.64	MILES
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Temperature, water

ID17060308CL021_02a	Floodwood Creek - headwaters to Pinchot Creek	8.23	MILES
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Temperature, water

ID17060308CL021_03	Floodwood Creek - 3rd order	9.92	MILES
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Temperature, water

ID17060308CL021_03a	Floodwood Creek - Pinchot Creek to Goat Creek	1.67	MILES
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Temperature, water

ID17060308CL023_02	Stony Creek - source to Glover; tributaries	21.44	MILES
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Temperature, water

ID17060308CL023_02a	Stony Creek - 2nd Order	2.76	MILES
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Temperature, water

ID17060308CL023_03	Stony Creek - unnamed trib to Glover Creek	5.8	MILES
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Temperature, water

ID17060308CL025_02	Breakfast Creek - source to Stony Creek	10.04	MILES
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Temperature, water

Panhandle

17010104 Lower Kootenai

ID17010104PN001_02	1st & 2nd order tribs Kootenai R- Shorty Isl. - ID/BC border	70.43	MILES
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Combined Biota/Habitat Bioassessments

Temperature, water

ID17010104PN001_08	Kootenai River - Shorty's Island to the Id/Canadian border	36.89	MILES
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Temperature, water

ID17010104PN003_02	1st& 2nd order tribs Grass Creek	27.38	MILES
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Benthic-Macroinvertebrate Bioassessments

Temperature, water

ID17010104PN003_03	Grass Creek - third order portion to Idaho/Canadian border	7.74	MILES
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Temperature, water

2012 Integrated Report: Category 5 (§303(d))

ID17010104PN004_02	Blue Joe Creek - source to Idaho/Canadian border	15.42	MILES
Cadmium			
Lead			
Temperature, water			
Zinc			
ID17010104PN005_04	Smith Creek - Cow Creek to Kootenai River	7.87	MILES
Temperature, water			
ID17010104PN006_03	Cow Creek - source to mouth	2.16	MILES
Temperature, water			
ID17010104PN007_03	Smith Creek - source to Cow Creek	5	MILES
Temperature, water			
ID17010104PN008_02	Long Canyon Creek - source to mouth	29.8	MILES
Temperature, water			
ID17010104PN009_03	Parker Creek - lower portion, agricultural area	0.65	MILES
Benthic-Macroinvertebrate Bioassessments			
ID17010104PN010_03	Trout Creek - 3rd order to branch	4.55	MILES
Temperature, water			
ID17010104PN010_03a	Trout Creek - lower portion below branch	2.93	MILES
Benthic-Macroinvertebrate Bioassessments			
Temperature, water			
ID17010104PN011_02	Upper Ball Creek - source to forest edge	34.23	MILES
Temperature, water			
ID17010104PN011_02a	Ball Creek- lower portion, forest to Kootenai River	0.78	MILES
Benthic-Macroinvertebrate Bioassessments			
Temperature, water			
This AU is in an EPA designated bull trout stream. Temp logger data on the upstream AU shows temperature impairment. Status inferred from upstream segment.			
ID17010104PN012_08	Kootenai River - Deep Creek to and including Shorty's Island	5.74	MILES
Temperature, water			
ID17010104PN013_03	Myrtle Creek - Jim Creek to mouth	11.02	MILES
Temperature, water			
This AU is on EPA's Bull Trout List, the data collected fails EPA's Bull Trout Criteria. This Assessment was performed by Glen Petit, CDA.			
ID17010104PN014_02	Cascade Creek - source to mouth	3.58	MILES
Temperature, water			

2012 Integrated Report: Category 5 (§303(d))

ID17010104PN016_03	Lower Snow Creek	7.56	MILES
Temperature, water			
ID17010104PN017_02	Caribou Creek - source to mouth	10.74	MILES
Temperature, water			
ID17010104PN020_03	Ruby Creek - lower, Gold Cr to Deep Creek	1.6	MILES
Temperature, water			
ID17010104PN021_03	Fall Creek - lower, 3rd order portion to Deep Creek	8.07	MILES
Temperature, water			
ID17010104PN023_0L	McArthur Lake	336.47	ACRES
Mercury			
2/18/2010 (NED) - Mercury listing based on the DEQ report, "Arsenic, Mercury, and Selenium in Fish Tissue from Idaho Lakes and Reservoirs: A Statewide Assessment" (Essig and Kostermann, May 2008). A Mercury level of 0.650 mg/kg, which exceeds the human health criterion of 0.3 mg/kg, was reported.			
ID17010104PN024_03	Dodge Creek	0.45	MILES
Benthic-Macroinvertebrate Bioassessments			
Temperature, water			
ID17010104PN026_03	Trail Creek - source to Highway	2.61	MILES
Temperature, water			
ID17010104PN027_03	Brown Creek - lower, Twentymile Creek to Deep Creek	2.37	MILES
Benthic-Macroinvertebrate Bioassessments			
Temperature, water			
ID17010104PN029_08	Kootenai River - Moyie River to Deep Creek	13.16	MILES
Temperature, water			
ID17010104PN030_03	Cow Creek - lower, Brush Creek to earthen levy	1.32	MILES
Combined Biota/Habitat Bioassessments			
ID17010104PN031_08	Kootenai River - Idaho/Montana to Moyie River	10.77	MILES
Temperature, water			
ID17010104PN032_03	Boulder Creek - East Fork Boulder Creek to mouth	4.22	MILES
Temperature, water			
ID17010104PN035_03	Curley Creek - lower, unnamed trib to Kootenai River	8.61	MILES
Temperature, water			
ID17010104PN036_03	Fleming Creek - lower	3.49	MILES
Temperature, water			

2012 Integrated Report: Category 5 (§303(d))

ID17010104PN037_03	Rock Creek - lower	1.33	MILES
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Temperature, water

ID17010104PN038_03	Mission Creek - Brush Creek to mouth	2.91	MILES
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Temperature, water

ID17010104PN039_02	Brush Creek - source to mouth	9.72	MILES
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Benthic-Macroinvertebrate Bioassessments

ID17010104PN040_03	Mission Creek - Idaho/Canadian border to Brush Creek	9.07	MILES
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Temperature, water

17010105 Moyie

ID17010105PN001_05	Moyie River - Moyie Falls Dam to Kootenai River	1.88	MILES
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Temperature, water

ID17010105PN002_02	Moyie River - Meadow Creek to Moyie Falls Dam	9.18	MILES
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Temperature, water

ID17010105PN003_02	Skin Creek - Idaho/Montana border to mouth	8.81	MILES
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Temperature, water

ID17010105PN004_02	Deer Creek - source to mouth	30.93	MILES
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Temperature, water

ID17010105PN004_03	Deer Creek - source to mouth	6.26	MILES
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Temperature, water

ID17010105PN006_02	Tribs to Moyie River btwn CA border and Round Prairie Creek	22.87	MILES
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Temperature, water

ID17010105PN007_02	Canuck Creek - Idaho/Montana border to Idaho/Canadian border	13.72	MILES
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Temperature, water

ID17010105PN009_02	Gillon Creek - Idaho/Canadian border to mouth	6.95	MILES
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Temperature, water

ID17010105PN010_03	Round Prairie Creek - source to Gillon Creek	2.96	MILES
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Temperature, water

ID17010105PN011_02	Miller Creek - source to mouth	3.69	MILES
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Temperature, water

ID17010105PN012_02	Meadow Creek - source to mouth	22.66	MILES
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Benthic-Macroinvertebrate Bioassessments

Temperature, water

2012 Integrated Report: Category 5 (§303(d))

ID17010105PN012_03	Meadow Creek - source to mouth	2.63	MILES
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Temperature, water

17010213 Lower Clark Fork

ID17010213PN001_08	Clark Fork River Delta - Mosquito Creek to Pend Oreille Lake	11.25	MILES
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Temperature, water

ID17010213PN003_08	Clark Fork River - Cabinet Gorge Dam to Mosquito Creek	10.59	MILES
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Temperature, water

ID17010213PN005_08	Clark Fork River - Idaho/Montana border to Cabinet Gorge Dam	0.55	MILES
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Temperature, water

ID17010213PN021_02	Spring Creek - Headwaters to Lightning Creek	10.32	MILES
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Combined Biota/Habitat Bioassessments

17010214 Pend Oreille Lake

ID17010214PN001_08	Pend Oreille River - Priest River to Albeni Falls Dam	4.93	MILES
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Temperature, water

Dissolved Gas Supersaturation

ID17010214PN002_08	Pend Oreille River - Pend Oreille Lake to Priest River	31.8	MILES
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Temperature, water

Dissolved Gas Supersaturation

ID17010214PN003_02	Hoodoo Creek - source to mouth	51.84	MILES
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Escherichia coli

1/29/2010 (R. Steed, K. Stromberg, K. Keith, T. Clyne, R. Witherow) - 2006 BURP Escherichia coliform sample exceed Idaho Water Quality Standards numeric criteria. Geomean in 2005 was 1300 cfu/100mL.

ID17010214PN010_03	Brickel Creek - Idaho/Washington border to mouth	5.63	MILES
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Combined Biota/Habitat Bioassessments

12/15/2009 (R.Steed, K. Keith, T. Herron, J. Bergquist, G. Pettit) - The lower portion of Brickle Creek has been straightened and otherwise modified. This modification has greatly contributed to the poor habitat conditions that exist, making it impossible to collect macroinvertebrates. It would be unreasonable to expect to get passing bug scores from habitat alone, or evaluate as a lotic water body. Other water quality issues are likely to exist upstream and stressor identification should be pursued.

ID17010214PN017_0L	Shepard Lake	97.18	ACRES
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Mercury

3/15/2010 (NED) - Mercury listing based on the DEQ report, "Arsenic, Mercury, and Selenium in Fish Tissue from Idaho Lakes and Reservoirs: A Statewide Assessment" (Essig and Kostermann, May 2008). A Mercury level of 0.586 mg/kg, which exceeds the human health criterion of 0.3 mg/kg, was reported.

ID17010214PN018_02a	Falls Creek	13.16	MILES
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Sedimentation/Siltation

2012 Integrated Report: Category 5 (§303(d))

ID17010214PN018_02b Boyer Slough	12.33	MILES
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Benthic-Macroinvertebrate Bioassessments

ID17010214PN018L_0L Pend Oreille Lake	80828.61	ACRES
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Mercury

2/18/2010 (NED) - Mercury listing based on the DEQ report, "Arsenic, Mercury, and Selenium in Fish Tissue from Idaho Lakes and Reservoirs: A Statewide Assessment" (Essig and Kostermann, May 2008). A Mercury level of 0.611 mg/kg, which exceeds the human health criterion of 0.3 mg/kg, was reported.

ID17010214PN022_02 West Gold Creek	9.63	MILES
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Sedimentation/Siltation

Sediment TMDL developed for Gold Creek did not include West Gold Creek.

ID17010214PN027_03 Granite Creek, Lower	4.68	MILES
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Nutrient/Eutrophication Biological Indicators

ID17010214PN038_02 Sand Creek - headwaters to Pack River	13.25	MILES
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Escherichia coli

11/17/2009 (R. Steed) - E. coli added to "Secondary Contact Recreation" use. CDA RO has data that shows that E. coli concentrations exceed WQS.

1/7/2010 (R. Steed, T. Clyne, and K. Stromberg) - BURP data in 2005 (2005SCDAA0023) collected E. coli data with geometric mean of 346 mpn/100mL exceeding criteria.

ID17010214PN054_03 Syringa Creek-Lower, 3rd order portion to Pend Oreille River	0.92	MILES
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Combined Biota/Habitat Bioassessments

ID17010214PN058_02 Johnson Creek - headwaters to Pend Oreille River	16.23	MILES
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Combined Biota/Habitat Bioassessments

ID17010214PN059_03 Riley Creek - Lower, to Pend Oreille R.	4.03	MILES
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Escherichia coli

17010215 Priest

ID17010215PN001_05 Lower Priest River-Upper West Branch Priest River to mouth	35.97	MILES
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Temperature, water

ID17010215PN002_03 Big Creek - source to mouth	3.59	MILES
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Escherichia coli

1/7/2010 (R. Steed, T. Clyne, K. Stromberg) - This AU was previously assessed in 2003 as CWAL and SCR in the "FS" category. The 2006 BURP ALUS supports the 2003 status call for CWAL but bacteria monitoring shows NFS for SCR (Geomean 192.78 cfu/100mL). Assessment was performed following the WBAG II protocol, and this AU is in the Full Support category for CWAL and in the Full Support category for SCR. The 2008 CWE report for Big Creek identifies a high adverse temperature rating for Big Creek. Follow up, with monitoring should follow.

ID17010215PN008_03 Soldier Creek - source to mouth	1.78	MILES
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Temperature, water

2012 Integrated Report: Category 5 (§303(d))

ID17010215PN009_03	Hunt Creek - source to mouth	1.18	MILES
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Temperature, water

2012 (R. Steed) - Temperature was added as a cause of impairment to Hunt Creek based on data submitted by the Kalispel Tribe. The temperature data exceeded the criteria for Salmonid Spawning and Idaho Bull Trout, but not the Cold Water Aquatic Life criteria.

ID17010215PN010_02	Indian Creek - source to mouth	21.62	MILES
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Temperature, water

ID17010215PN010_03	Indian Creek - source to mouth	3.24	MILES
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Temperature, water

2012 (R. Steed) - Temperature was added as a cause of impairment to Indian creek based on data submitted by the Kalispel Tribe. The temperature data exceeded the criteria for Salmonid Spawning and Idaho Bull Trout, but not the Cold Water Aquatic Life criteria.

ID17010215PN011_02	Bear Creek - source to mouth	11.35	MILES
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Fishes Bioassessments

ID17010215PN012_02	Two Mouth Creek - source to mouth	27.75	MILES
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Temperature, water

ID17010215PN013_02	Lion Creek - source to mouth	32.42	MILES
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Temperature, water

ID17010215PN017_02	Trapper Creek - source to mouth	22.49	MILES
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Temperature, water

ID17010215PN017_03	Trapper Creek - source to mouth	1.71	MILES
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Temperature, water

ID17010215PN018_02	Upper Priest River - Idaho/Canadian border to mouth	47.33	MILES
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Temperature, water

ID17010215PN019_02	Hughes Fork - source to mouth	57.12	MILES
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Temperature, water

ID17010215PN020_03	Beaver Creek - source to mouth	1.66	MILES
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Temperature, water

ID17010215PN022_04	Granite Creek - Idaho/Washington border to mouth	13.94	MILES
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Temperature, water

ID17010215PN023_02	Reeder Creek - source to mouth	22.65	MILES
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Temperature, water

ID17010215PN023_03	Reeder Creek - source to mouth	0.64	MILES
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Temperature, water

ID17010215PN024_03	Kalispell Creek - Idaho/Washington border to mouth	12.19	MILES
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Combined Biota/Habitat Bioassessments

Temperature, water

2012 Integrated Report: Category 5 (§303(d))

ID17010215PN025_02	Lamb Creek - Idaho/Washington border to mouth	27.95	MILES
Combined Biota/Habitat Bioassessments			
Temperature, water			
ID17010215PN026_02	Binarch Creek - Idaho/Washington border to mouth	13.16	MILES
Temperature, water			
ID17010215PN027_03	Upper West Branch Priest River	5.07	MILES
Combined Biota/Habitat Bioassessments			
ID17010215PN027_04	Upper West Branch Priest River - Idaho/Washington border	6.72	MILES
Combined Biota/Habitat Bioassessments			
Temperature, water			
ID17010215PN028_03	Goose Creek - Idaho/Washington border to mouth	5.23	MILES
Fecal Coliform			
Temperature, water		2012 (R. Steed) - Temperature was added as a cause of impairment to Goose Creek based on data provided by the Kalispel Tribe. The temperature data exceeded the criteria for Salmonid Spawning and Idaho Bull Trout, but not the Cold Water Aquatic Life criteria.	
ID17010215PN030_03	Lower West Branch Priest River - Idaho/Washington border	11.94	MILES
Temperature, water			
ID17010215PN030_04	Lower West Branch Priest River -ID/WA border to Priest River	10.83	MILES
Temperature, water			
ID17010215PN031_03	Moores Creek - source to mouth	3.87	MILES
Temperature, water		2012 (R. Steed) - Temperature was added as a cause of impairment to Moores Creek based on data submitted by the Kalispel Tribe. The temperature data exceeded the criteria for Salmonid Spawning, but not the Cold Water Aquatic Life criteria.	
17010216Pend Oreille			
ID17010216PN002_08	Pend Oreille River - Albeni Falls Dam to Idaho/Washington	3.89	MILES
Temperature, water			
Dissolved Gas Supersaturation		The pollutant "Total Phosphorus" was added as a cause of impairment on the 2008 Integrated Report. The assessment was based on available information at the time. Monitoring conducted by IDEQ during the summer of 2009 did not reveal any evidence of beneficial use impairment resulting from excess TP. Monitoring results conflict with the Total Phosphorus (TP) cause added in 2008. IDEQ is removing TP from the integrated report and will continue to evaluate Pend Oreille River status.	
17010301Upper Coeur d Alene			
ID17010301PN001_02	North Fork Coeur d'Alene River tributaries below Prichard Cr	77.83	MILES
Temperature, water			
ID17010301PN001_05	North Fork Coeur d'Alene River, below Prichard Cr.	26.29	MILES
Temperature, water			

2012 Integrated Report: Category 5 (§303(d))

ID17010301PN001_05a	North Fork Coeur d'Alene R. btw Yellowdog and Prichard Cr	14.77	MILES
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Temperature, water

ID17010301PN002_03	Graham Creek, below Deceitful Gulch	1.06	MILES
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Temperature, water

2/4/2010 (K. Stromberg) - DEQ temperature data showed exceedances of Idaho water quality criteria for salmonid spawning and exceedances of EPA bull trout temperature criteria. AU status in 2010 recommended "Not Fully Supporting" for CWAL and SS based on these data and exceedances.

ID17010301PN003_02	Beaver Creek, headwaters and tributaries	44.53	MILES
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Cadmium

Temperature, water

Zinc

ID17010301PN003_03	Beaver Creek- below White Creek	3.71	MILES
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Cadmium

Lead

Temperature, water

Zinc

ID17010301PN004_02	Prichard Cr., tributaries between Butte Gulch and Eagle Cr.	4.17	MILES
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Zinc

ID17010301PN004_03	Prichard Creek - between Butte Gulch and Eagle Creek	5.45	MILES
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Arsenic

Cadmium

Copper

Lead

Zinc

ID17010301PN004_04	Prichard Creek below Eagle Creek	2.94	MILES
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Cadmium

Lead

Temperature, water

Zinc

ID17010301PN005_02	Prichard Creek -headwaters and tributaries above Butte Gulch	24.34	MILES
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Cadmium

Lead

Temperature, water

Zinc

2012 Integrated Report: Category 5 (§303(d))

ID17010301PN005_03	Prichard Creek - between Barton Gulch to Butte Gulch	1.98	MILES
Cadmium			
Lead			
Zinc			
ID17010301PN008_02	West Fork Eagle Creek and tributaries	14.68	MILES
Temperature, water			
ID17010301PN009_03	Lost Creek, below East Fork Lost Creek	1.28	MILES
Temperature, water			
ID17010301PN010_03	Shoshone Creek, below Falls Creek	6.75	MILES
Temperature, water			
ID17010301PN011_02	Falls Creek and tributaries	8.08	MILES
Temperature, water			
ID17010301PN012_02	Shoshone Creek, headwaters and tribs above Falls Creek	46.85	MILES
Temperature, water			
ID17010301PN012_03	Shoshone Creek, between Little Lost Fork and Falls Creek	7.07	MILES
Temperature, water			
ID17010301PN013_02	NF Coeur d'Alene R tributaries btw Tepee Cr and Yellowdog Cr	33.84	MILES
Temperature, water			
ID17010301PN013_04	North Fork Coeur d'Alene River btw Jordan Cr and Tepee Cr	7.05	MILES
Temperature, water			
ID17010301PN013_05	North Fork Coeur d'Alene River btw Tepee Cr and Yellowdog Cr	11.87	MILES
Temperature, water			
ID17010301PN014_03	Jordan Creek and lower Lost Fork below Plant Cr.	3.38	MILES
Temperature, water			
ID17010301PN015_02	NF Coeur d'Alene River, upper, headwaters and tributaries	70.23	MILES
Temperature, water			
ID17010301PN015_03	NF Coeur d'Alene R., upper, and lower Buckskin Creek	6.03	MILES
Temperature, water			
ID17010301PN015_04	NF Coeur d'Alene R. between Buckskin Cr. and Jordan Cr.	9.54	MILES
Temperature, water			
ID17010301PN016_02	West Elk Creek and Cataract Creek	7.32	MILES
Temperature, water			

2012 Integrated Report: Category 5 (§303(d))

ID17010301PN017_04	Tepee Creek, between Trail and Independence Cr.	4.13	MILES
Temperature, water			
ID17010301PN017_05	Tepee Creek, below Independence Creek	4.7	MILES
Temperature, water			
ID17010301PN018_02	Independence Creek headwaters and tributaries	68.86	MILES
Temperature, water			
ID17010301PN018_03a	Declaration Creek, lower	1.53	MILES
Temperature, water			
ID17010301PN018_03b	Snow Creek, lower	2.76	MILES
Temperature, water			
ID17010301PN018_04	Independence Creek, below Declaration Creek	10	MILES
Temperature, water			
ID17010301PN019_02	Trail Creek - headwaters and tributaries	35.63	MILES
Temperature, water			
ID17010301PN019_03	Trail Creek, below Stewart Creek	6.27	MILES
Temperature, water			
11/17/2009 (R. Steed) - DEQ 1999 temperature data show violation of WQS.			
ID17010301PN020_02	Tepee Creek - headwaters and tributaries	48.54	MILES
Temperature, water			
2/11/2010 (K. Stromberg) - Tier 1 USFS temperature data showed exceedances of Idaho water quality criteria for cold water aquatic life and salmonid spawning.			
ID17010301PN020_03	Tepee Creek-between Short Creek and Trail Creek	4.6	MILES
Temperature, water			
2/11/2010 (K. Stromberg) - Tier 1 USFS temperature data showed exceedances of Idaho water quality criteria for cold water aquatic life and salmonid spawning.			
ID17010301PN021_02	Brett Creek and tributaries	6.55	MILES
Temperature, water			
ID17010301PN022_02	Miners Creek and tributaries	4.96	MILES
Temperature, water			
ID17010301PN023_03	Flat Creek, lower	4.68	MILES
Temperature, water			
ID17010301PN024_02	Yellowdog Creek - Headwaters to NF CDA River	12.21	MILES
Temperature, water			

2012 Integrated Report: Category 5 (§303(d))

ID17010301PN026_02	Brown Creek and tributaries	7.79	MILES
Temperature, water			
ID17010301PN028_02	Steamboat Creek - headwaters to tributaries	47.23	MILES
Temperature, water			
2/12/2010 (K. Stromberg) - Tier 1 USFS temperature data showed exceedances of Idaho water quality criteria for salmonid spawning. AU status in 2010 recommended "Not Fully Supporting" for CWAL and SS based on these data and exceedances.			
ID17010301PN028_03	Steamboat Creek and West Fork Steamboat Cr. below Comfy Cr.	6.87	MILES
Temperature, water			
2/12/2010 (K. Stromberg) - DEQ data and Tier 1 USFS temperature data showed exceedances of Idaho water quality criteria for salmonid spawning. AU status in 2010 recommended "Not Fully Supporting" for CWAL and SS based on these data and exceedances.			
ID17010301PN029_03	Cougar Gulch, btw EF Cougar Gulch and NF CDA River	6.69	MILES
Temperature, water			
ID17010301PN030_02a	Little North Fork Coeur d'Alene R tributaries above Iron Cr.	16.33	MILES
Temperature, water			
ID17010301PN030_02c	Little NF Coeur d'Alene R tribs btw Hudlow and Deception Cr	25.98	MILES
Temperature, water			
ID17010301PN030_02d	Little North Fork Coeur d'Alene R tributaries below Skookum	30.98	MILES
Temperature, water			
ID17010301PN030_03	Little NF CDA River - btw Solitaire and Deception Creek	11.26	MILES
Temperature, water			
ID17010301PN030_04	Little North Fork CDA River below Skookum Creek	23.85	MILES
Temperature, water			
ID17010301PN031_02	Bumblebee Creek and tributaries	7.94	MILES
Temperature, water			
ID17010301PN032_02	Laverne Creek and tributaries	8.9	MILES
Temperature, water			
ID17010301PN033_02	Leiberg Creek and tributaries	12.95	MILES
Temperature, water			
ID17010301PN034_02	Bootjack Creek and tributaries	5.14	MILES
Temperature, water			
ID17010301PN035_02	Iron Creek and tributaries	13.45	MILES
Temperature, water			

2012 Integrated Report: Category 5 (§303(d))

ID17010301PN036_02	Burnt Cabin Creek and tributaries	12.97	MILES
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Temperature, water

ID17010301PN037_02	Deception Creek and tributaries	8.34	MILES
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Temperature, water

ID17010301PN038_03	Skookum Creek, lower	0.91	MILES
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Temperature, water

ID17010301PN039_03	Copper Creek, below Homer Creek	2.75	MILES
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Temperature, water

17010302 South Fork Coeur d Alene

ID17010302PN001_02	South Fork Coeur d'Alene River - Tributaries below Placer Cr	62.81	MILES
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Cadmium

Lead

Zinc

Temperature, water

1/19/2010 (R. Steed, K. Keith, T. Clyne, and K. Stromberg) - Temperature data were submitted by U.S. Forest Service, Idaho Panhandle National Forests, Coeur d'Alene River Ranger District as response to DEQ request for data. These data were assessed as Tier 1 by K. Stromberg and K. Duncan (DEQ intern) in 2009. The analysis can be found in a report attached and data are available at CDA Regional Office and on the Regional Office Shared Drive G:\WATRQUAL\INTEGRATED REPORT\Data and Documentation for 2010. Salmonid spawning as existing beneficial use was confirmed by USFS staff. Temperature data in this AU exceeded Idaho water quality standards for salmonid spawning criteria. Based on WBAGII, we concluded this AU not fully supporting for CWAL and SS.

2010: Twomile Creek. This AU was assessed on 1/19/2010 by CDA RO Staff (R. Steed, K. Keith, T. Clyne, and K. Stromberg). Temperature data were submitted by U.S. Forest Service, Idaho Panhandle National Forests, Coeur d'Alene River Ranger District as response to DEQ request for data. These data were assessed as Tier 1 by K. Stromberg and K. Duncan (DEQ intern) in 2009. The analysis can be found in a report attached and data are available at CDA Regional Office and on the Regional Office Shared Drive G:\WATRQUAL\INTEGRATED REPORT\Data and Documentation for 2010. Salmonid spawning as existing beneficial use was confirmed by USFS staff. Temperature data in this AU exceeded Idaho water quality standards for salmonid spawning criteria. Based on WBAGII, we concluded this AU not fully supporting for CWAL and SS.

ID17010302PN001_03	South Fork Coeur d' Alene River-btw Canyon Cr. and Big Cr.	8.45	MILES
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Cadmium

Lead

Zinc

ID17010302PN001_04	South Fork Coeur d'Alene River - btw Big Cr and Pine Cr	9.97	MILES
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Cadmium

Lead

Zinc

2012 Integrated Report: Category 5 (§303(d))

ID17010302PN001_05	South Fork Coeur d'Alene River - Canyon Creek to mouth	2.28	MILES
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Cadmium

Lead

Temperature, water

Zinc

ID17010302PN002_04	Pine Creek - East Fork Pine Creek to mouth	5.3	MILES
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Cadmium

Lead

Zinc

ID17010302PN004_02	East Fork Pine Creek - source to mouth	22.53	MILES
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Cadmium

Lead

Zinc

ID17010302PN004_03	East Fork Pine Creek - source to mouth	4.01	MILES
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Cadmium

Lead

Zinc

ID17010302PN006_02	Government Gulch - source to mouth	3.54	MILES
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Cadmium

Lead

Zinc

ID17010302PN007a_02	Big Creek - source to mining impact area	22.77	MILES
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Temperature, water

1/19/2010 (R. Steed, K. Keith, T. Clyne, and K. Stromberg) - Temperature data were submitted by U.S. Forest Service, Idaho Panhandle National Forests, Coeur d'Alene River Ranger District as response to DEQ request for data. These data were assessed as Tier 1 by K. Stromberg and K. Duncan (DEQ intern) in 2009. The analysis can be found in a report attached and data are available at CDA Regional Office and on the Regional Office Shared Drive G:\WATRQUAL\INTEGRATED REPORT\Data and Documentation for 2010. Salmonid spawning as existing beneficial use was confirmed by USFS staff. Temperature data in this AU exceeded Idaho water quality standards for salmonid spawning criteria. Based on WBAGII, we concluded this AU not fully supporting for CWAL and SS.

2012 Integrated Report: Category 5 (§303(d))

ID17010302PN007a_03	Big Creek - source to mining impact area	4.42	MILES
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Temperature, water

1/19/2010 (R. Steed, K. Keith, T. Clyne, and K. Stromberg) - Temperature data were submitted by U.S. Forest Service, Idaho Panhandle National Forests, Coeur d'Alene River Ranger District as response to DEQ request for data. These data were assessed as Tier 1 by K. Stromberg and K. Duncan (DEQ intern) in 2009. The analysis can be found in a report attached and data are available at CDA Regional Office and on the Regional Office Shared Drive G:\WATRQUAL\INTEGRATED REPORT\Data and Documentation for 2010. Salmonid spawning as existing beneficial use was confirmed by USFS staff. Temperature data in this AU exceeded Idaho water quality standards for salmonid spawning criteria. Based on WBAGII, we concluded this AU not fully supporting for CWAL and SS.

ID17010302PN009a_02	Lake Creek - source to mining impact area	1.89	MILES
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Temperature, water

1/19/2010 (R. Steed, K. Keith, T. Clyne, and K. Stromberg) - Temperature data were submitted by U.S. Forest Service, Idaho Panhandle National Forests, Coeur d'Alene River Ranger District as response to DEQ request for data. These data were assessed as Tier 1 by K. Stromberg and K. Duncan (DEQ intern) in 2009. The analysis can be found in a report attached and data are available at CDA Regional Office and on the Regional Office Shared Drive G:\WATRQUAL\INTEGRATED REPORT\Data and Documentation for 2010. Salmonid spawning as existing beneficial use was confirmed by USFS staff. Temperature data in this AU exceeded Idaho water quality standards for salmonid spawning criteria. Based on WBAGII, we concluded this AU not fully supporting for CWAL and SS.

ID17010302PN009b_02	Lake Creek - mining impact area to mouth	1.54	MILES
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Cause Unknown

Metals Suspected Impairment

ID17010302PN010_02	Placer Creek - source to mouth	17.59	MILES
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Temperature, water

1/19/2010 (R. Steed, K. Keith, T. Clyne, and K. Stromberg) - Temperature data were submitted by U.S. Forest Service, Idaho Panhandle National Forests, Coeur d'Alene River Ranger District as response to DEQ request for data. These data were assessed as Tier 1 by K. Stromberg and K. Duncan (DEQ intern) in 2009. The analysis can be found in a report attached and data are available at CDA Regional Office and on the Regional Office Shared Drive G:\WATRQUAL\INTEGRATED REPORT\Data and Documentation for 2010. Salmonid spawning as existing beneficial use was confirmed by USFS staff. Temperature data in this AU exceeded Idaho water quality standards for salmonid spawning criteria. Based on WBAGII, we concluded this AU not fully supporting for CWAL and SS.

ID17010302PN011_03	South Fork Coeur d'Alene River	9.49	MILES
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Cause Unknown

Metals Suspected Impairment

ID17010302PN013_02	South Fork Coeur d'Alene River - source to Daisy Gulch	10.28	MILES
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Temperature, water

1/19/2010 (R. Steed, K. Keith, T. Clyne, and K. Stromberg) - Temperature data were submitted by U.S. Forest Service, Idaho Panhandle National Forests, Coeur d'Alene River Ranger District as response to DEQ request for data. These data were assessed as Tier 1 by K. Stromberg and K. Duncan (DEQ intern) in 2009. The analysis can be found in a report attached and data are available at CDA Regional Office and on the Regional Office Shared Drive G:\WATRQUAL\INTEGRATED REPORT\Data and Documentation for 2010. Salmonid spawning as existing beneficial use was confirmed by USFS staff. Temperature data in this AU exceeded Idaho water quality standards for salmonid spawning criteria. Based on WBAGII, we concluded this AU not fully supporting for CWAL and SS.

2012 Integrated Report: Category 5 (§303(d))

ID17010302PN014_02	Canyon Creek - from and including Gorge Gulch to mouth	8.64	MILES
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Cadmium

Lead

Temperature, water

Zinc

ID17010302PN015_02	Canyon Creek - source to Gorge Gulch	4.08	MILES
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Cadmium

Lead

Temperature, water

Zinc

ID17010302PN016_02	Ninemile Creek - from and including East Fork Ninemile Creek	9.33	MILES
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Cadmium

Lead

Temperature, water

Zinc

ID17010302PN017_02	Ninemile Creek - source to East Fork Ninemile Creek	1.79	MILES
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Cadmium

Lead

Zinc

ID17010302PN018_02	Moon Creek - source to mouth	4.64	MILES
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Cadmium

Lead

Temperature, water

Zinc

ID17010302PN018_03	Moon Creek - source to mouth	1.76	MILES
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Cadmium

Lead

Zinc

Temperature, water

1/19/2010 (R. Steed, K. Keith, T. Clyne, and K. Stromberg) - Temperature data were submitted by U.S. Forest Service, Idaho Panhandle National Forests, Coeur d'Alene River Ranger District as response to DEQ request for data. These data were assessed as Tier 1 by K. Stromberg and K. Duncan (DEQ intern) in 2009. The analysis can be found in a report attached and data are available at CDA Regional Office and on the Regional Office Shared Drive G:WATRQUAL\INTEGRATED REPORT\Data and Documentation for 2010. Salmonid spawning as existing beneficial use was confirmed by USFS staff. Temperature data in this AU exceeded Idaho water quality standards for salmonid spawning criteria. Based on WBAGII, we concluded this AU not fully supporting for CWAL and SS.

2012 Integrated Report: Category 5 (§303(d))

ID17010302PN020_02	Bear Creek - source to mouth	13.64	MILES
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Temperature, water

17010303 Coeur d Alene Lake

ID17010303PN001_02	Tribs to Coeur d'Alene Lake	49.97	MILES
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Cause Unknown

Nutrients Suspected Impairment

ID17010303PN001L_0L	Coeur d'Alene Lake	27262.03	ACRES
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Cadmium

Lead

Zinc

ID17010303PN002_02	Cougar Creek - source to mouth	15.71	MILES
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Temperature, water

ID17010303PN004_02	Mica Creek - source to mouth	24.17	MILES
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Temperature, water

ID17010303PN005_02	Fighting Creek - headwaters to Tribal boundary	15.04	MILES
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Escherichia coli

2010 (R. Steed, K. Keith) - In 2008, Bellgrove Creek was BURP'd and assessed for beneficial use support, and results from the process concluded beneficial uses are not supported. Just above the sampling site is a confined elk feeding operation that has been documented through enforcement actions to be the primary source of the high E. coli. Visual observations during both rain-on-snow events showed gully erosion from the property into Bellgrove Creek.

Sedimentation/Siltation

2010 (R. Steed, K. Keith) - In 2008, Bellgrove Creek was BURP'd and assessed for beneficial use support, and results from the process concluded beneficial uses are not supported. The creek is currently listed on Idaho's 2008 Integrated Report as impaired for E. coli. Just above the sampling site is a confined elk feeding operation that has been documented to be the primary source of the high E. coli. Visual observations during both rain-on-snow events showed gully erosion from the property into Bellgrove Creek. These observations, along with E. coli exceedances, make it reasonable to conclude that this facility is contributing to sediment observed during monitoring. This information and the combination of recent failing BURP scores and instantaneous turbidity exceedances based on data from other creeks in the area lead to the recommendation that Bellgrove Creek be listed on Idaho's 2010 Integrated Report for impairment of the Cold Water Aquatic Life beneficial use due to sediment.

ID17010303PN007_06	Coeur d'Alene River - Latour Creek to mouth	29.41	MILES
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Cadmium

Lead

Sedimentation/Siltation

Temperature, water

Zinc

2012 Integrated Report: Category 5 (§303(d))

ID17010303PN008L_0L Anderson Lake		541.35	ACRES
Lead	2012 (K. Keith and R. Steed) - Coeur d' Alene Regional Office conducted monitoring on the Coeur d'Alene River lateral lakes on August 29-31, 2011. Dissolved lead concentration in the photic zone of Anderson Lake was 4.80 ug/L and it was 5.83 ug/L in the anoxic zone. Both values exceed the chronic water quality criteria for aquatic life for lead of 0.54 ug/L at a hardness less than 25 mg/L (the hardness in Anderson Lake was 23.9 mg/L and 24.6 mg/L in the photic zone and anoxic zone, respectively). No dissolved oxygen water quality standard exceedances were observed in Anderson Lake. Due to the above described exceedances, Anderson Lake was listed as impaired for lead for the aquatic life beneficial use.		
ID17010303PN009L_0L Black Lake		376.69	ACRES
Lead	2012 (K. Keith and R. Steed) - Coeur d' Alene Regional Office conducted monitoring on the Coeur d'Alene River lateral lakes on August 29-31 2011. Dissolved lead concentration in the photic zone of Black Lake was 8.14 ug/L which exceeded the chronic water quality criteria for aquatic life for lead of 0.56 ug/L at the hardness observed in the photic zone in Black Lake (25.7 mg/L). Dissolved lead concentration in the anoxic zone of Black Lake was 4.70 ug/L which exceeded the chronic water quality criteria for aquatic life for lead of 0.68 ug/L at the hardness observed in the anoxic zone in Black Lake (30.6 mg/L). No dissolved oxygen water quality standard exceedances were observed in Black Lake.		
ID17010303PN010L_0L Cave & Medicine Lakes		987.47	ACRES
Zinc	2012 (K. Keith and R. Steed) - Coeur d' Alene Regional Office conducted monitoring on the Coeur d'Alene River lateral lakes on August 29-31 2011. Dissolved zinc concentration in the anoxic zone was 38.6 ug/L, which exceeded the chronic water quality criteria for aquatic life for zinc of 36 ug/L at a hardness less than 25 ug/L. No dissolved oxygen water quality standard exceedances were observed in Medicine Lake.		
Lead	2012 (K. Keith and R. Steed) - Coeur d' Alene Regional Office conducted monitoring on the Coeur d'Alene River lateral lakes on August 29-31 2011. Dissolved lead concentration in the photic zone of Medicine Lake was 6.62 ug/L and it was 2.80 ug/L in the anoxic zone. Both values exceed the chronic water quality criteria for aquatic life for lead of 0.54 ug/L at a hardness less than 25 mg/L (the hardness in Medicine Lake was 15.6 mg/L and 14.7 mg/L in the photic zone and anoxic zone, respectively). No dissolved oxygen water quality standard exceedances were observed in Medicine Lake. Dissolved lead concentration in the photic zone of Cave Lake was 0.87 ug/L and it was 1.30 ug/L in the anoxic zone. Both values exceed the chronic water quality criteria for aquatic life for lead of 0.54 ug/L at a hardness less than 25 mg/L (the hardness in Cave Lake was 16.5 mg/L and 16.9 mg/L in the photic zone and anoxic zone, respectively). No dissolved oxygen water quality standard exceedances were observed in Cave Lake.		
ID17010303PN015_02 Latour Creek - source to mouth		50.41	MILES
Temperature, water			
ID17010303PN016_06 Coeur d'Alene River-South Fork Coeur d'Alene River to Latour		8.28	MILES
Cadmium			
Lead			
Temperature, water			
Zinc			
ID17010303PN020_02 Fourth of July Creek - source to mouth		31.89	MILES
Temperature, water			
1/129/2010 (R. Steed, K. Keith,) - Temperature data were submitted by U.S. Forest Service, Idaho Panhandle National Forests, Coeur d'Alene River Ranger District as response to DEQ request for data. These data were assessed as Tier 1 by K. Stromberg and K. Duncan (DEQ intern) in 2009. The analysis can be found in a report attached and data are available at CDA Regional Office and on the Regional Office Shared Drive G:\WATRQUAL\INTEGRATED REPORT\Data and Documentation for 2010. Temperature data in this AU exceeded Idaho water quality standards for CWAL criteria. Based on WBAGII, we concluded this AU not fully supporting for CWAL and SS.			

2012 Integrated Report: Category 5 (§303(d))

ID17010303PN020_03	Fourth of July Creek - source to mouth	5.66	MILES
Temperature, water			
1/19/2010 (R. Steed, K. Keith, T. Clyne, and K. Stromberg) - Temperature data were submitted by U.S. Forest Service, Idaho Panhandle National Forests, Coeur d'Alene River Ranger District as response to DEQ request for data. These data were assessed as Tier 1 by K. Stromberg and K. Duncan (DEQ intern) in 2009. The analysis can be found in a report attached and data are available at CDA Regional Office and on the Regional Office Shared Drive G:\WATRQUAL\INTEGRATED REPORT\Data and Documentation for 2010. Temperature data in this AU exceeded Idaho water quality standards for CWAL criteria. Based on WBAGII, we concluded this AU not fully supporting for CWAL.			
ID17010303PN021_02	Rose Lake - Stream Order 1 & 2	8.17	MILES
Temperature, water			
This AU was assessed on 1/19/2010 by CDA RO Staff (R. Steed, K. Keith, T. Clyne, and K. Stromberg). Temperature data were submitted by U.S. Forest Service, Idaho Panhandle National Forests, Coeur d'Alene River Ranger District as response to DEQ request for data. These data were assessed as Tier 1 by K. Stromberg and K. Duncan (DEQ intern) in 2009. The analysis can be found in a report attached and data are available at CDA Regional Office and on the Regional Office Shared Drive G:\WATRQUAL\INTEGRATED REPORT\Data and Documentation for 2010. Salmonid spawning as existing beneficial use was confirmed by USFS staff. Temperature data in this AU exceeded Idaho water quality standards for salmonid spawning criteria. Based on WBAGII, we concluded this AU not fully supporting for CWAL and SS.			
ID17010303PN022_02	Tributaries to Killarney Lake	17.67	MILES
Temperature, water			
This AU was assessed on 1/19/2010 by CDA RO Staff (R. Steed, K. Keith, T. Clyne, and K. Stromberg). Temperature data were submitted by U.S. Forest Service, Idaho Panhandle National Forests, Coeur d'Alene River Ranger District as response to DEQ request for data. These data were assessed as Tier 1 by K. Stromberg and K. Duncan (DEQ intern) in 2009. The analysis can be found in a report attached and data are available at CDA Regional Office and on the Regional Office Shared Drive G:\WATRQUAL\INTEGRATED REPORT\Data and Documentation for 2010. Salmonid spawning as existing beneficial use was confirmed by USFS staff. Temperature data in this AU exceeded Idaho water quality standards for salmonid spawning criteria. Based on WBAGII, we concluded this AU not fully supporting for CWAL and SS.			
ID17010303PN022L_0L	Killarney Lake	498.72	ACRES
Mercury			
2/18/2010 (NED)- Mercury listing based on the DEQ report, "Arsenic, Mercury, and Selenium in Fish Tissue from Idaho Lakes and Reservoirs: A Statewide Assessment" (Essig and Kostermann, May 2008). A Mercury level of 0.433 mg/kg, which exceeds the human health criterion of 0.3 mg/kg, was reported.			
Lead			
2012 (K. Keith and R. Steed) - Coeur d' Alene Regional Office conducted monitoring on the Coeur d'Alene River lateral lakes on August 29-31, 2011. Dissolved lead concentration in the photic zone of Killarney Lake was 0.69 ug/L, which exceeded the chronic water quality criteria for aquatic life for lead of 0.55 ug/L at the hardness observed in the photic zone of Killarney lake (25.2 mg/L). No dissolved oxygen water quality standard exceedances were observed in Killarney Lake.			
ID17010303PN024_02	Cottonwood Creek	9.79	MILES
Temperature, water			
This AU was assessed on 1/19/2010 by CDA RO Staff (R. Steed, K. Keith, T. Clyne, and K. Stromberg). Temperature data were submitted by U.S. Forest Service, Idaho Panhandle National Forests, Coeur d'Alene River Ranger District as response to DEQ request for data. These data were assessed as Tier 1 by K. Stromberg and K. Duncan (DEQ intern) in 2009. The analysis can be found in a report attached and data are available at CDA Regional Office and on the Regional Office Shared Drive G:\WATRQUAL\INTEGRATED REPORT\Data and Documentation for 2010. Salmonid spawning as existing beneficial use was confirmed by USFS staff. Temperature data in this AU exceeded Idaho water quality standards for salmonid spawning criteria. Based on WBAGII, we concluded this AU not fully supporting for CWAL and SS.			

Category 5: Impaired Waters Needing a TMDL

Draft - 2012

Page 30 of 79

2012 Integrated Report: Category 5 (§303(d))

ID17010303PN025L_0L Thompson Lake		173.6	ACRES
Lead	2012 (K. Keith and R. Steed) - Coeur d' Alene Regional Office conducted monitoring on the Coeur d'Alene River lateral lakes on August 29-31, 2011. Dissolved lead concentration in the photic zone of Thompson Lake was 3.20 ug/L in the photic zone, and it was 4.30 in the anoxic zone. Both values exceed chronic water quality criteria for aquatic life for lead of 0.54 ug/L at a hardness less than 25 mg/L (the hardness in Thompson Lake was 23.1 mg/L and 23.5 mg/L in the photic zone and anoxic zone, respectively). No dissolved oxygen water quality standard exceedances were observed in Thompson Lake.		
Zinc	2012 (K. Keith and R. Steed) - Coeur d' Alene Regional Office conducted monitoring on the Coeur d'Alene River lateral lakes on August 29-31, 2011. Dissolved zinc concentration in the photic zone of Thompson Lake was 34.6 ug/L, and it was 54.0 ug/L in the anoxic zone. The anoxic zone sample exceeded the chronic water quality criteria for aquatic life for zinc of 36 ug/L at a hardness less than 25 mg/L. No dissolved oxygen water quality standard exceedances were observed in Thompson Lake.		
ID17010303PN026_02 Carlin Creek - source to mouth		16.89	MILES
Temperature, water	1/19/2010 (R. Steed, K. Keith, T. Clyne, and K. Stromberg) - Temperature data were submitted by U.S. Forest Service, Idaho Panhandle National Forests, Coeur d'Alene River Ranger District as response to DEQ request for data. These data were assessed as Tier 1 by K. Stromberg and K. Duncan (DEQ intern) in 2009. The analysis can be found in a report attached and data are available at CDA Regional Office and on the Regional Office Shared Drive G:\WATRQUAL\INTEGRATED REPORT\Data and Documentation for 2010. Salmonid spawning as existing beneficial use was confirmed by USFS staff. Temperature data in this AU exceeded Idaho water quality standards for salmonid spawning criteria. Based on WBAGII, we concluded this AU not fully supporting for CWAL and SS.		
ID17010303PN028_02 Beauty Creek - source to mouth		11.6	MILES
Temperature, water	1/19/2010 (R. Steed, K. Keith, T. Clyne, and K. Stromberg) - Temperature data were submitted by U.S. Forest Service, Idaho Panhandle National Forests, Coeur d'Alene River Ranger District as response to DEQ request for data. These data were assessed as Tier 1 by K. Stromberg and K. Duncan (DEQ intern) in 2009. The analysis can be found in a report attached and data are available at CDA Regional Office and on the Regional Office Shared Drive G:\WATRQUAL\INTEGRATED REPORT\Data and Documentation for 2010. Salmonid spawning as existing beneficial use was confirmed by USFS staff. Temperature data in this AU exceeded Idaho water quality standards for salmonid spawning criteria. Based on WBAGII, we concluded this AU not fully supporting for CWAL and SS.		
ID17010303PN028_03 Beauty Creek - source to mouth		2.62	MILES
Temperature, water	1/19/2010 (R. Steed, K. Keith, T. Clyne, and K. Stromberg) - Temperature data were submitted by U.S. Forest Service, Idaho Panhandle National Forests, Coeur d'Alene River Ranger District as response to DEQ request for data. These data were assessed as Tier 1 by K. Stromberg and K. Duncan (DEQ intern) in 2009. The analysis can be found in a report attached and data are available at CDA Regional Office and on the Regional Office Shared Drive G:\WATRQUAL\INTEGRATED REPORT\Data and Documentation for 2010. Salmonid spawning as existing beneficial use was confirmed by USFS staff. Temperature data in this AU exceeded Idaho water quality standards for salmonid spawning criteria. Based on WBAGII, we concluded this AU not fully supporting for CWAL and SS.		

2012 Integrated Report: Category 5 (§303(d))

ID17010303PN029_02	Wolf Lodge Creek - source to mouth	23.78	MILES
Temperature, water	<p>This AU was assessed on 1/19/2010 by CDA RO Staff (R. Steed, K. Keith, T. Clyne, and K. Stromberg). Temperature data were submitted by U.S. Forest Service, Idaho Panhandle National Forests, Coeur d'Alene River Ranger District as response to DEQ request for data. These data were assessed as Tier 1 by K. Stromberg and K. Duncan (DEQ intern) in 2009. The analysis can be found in a report attached and data are available at CDA Regional Office and on the Regional Office Shared Drive G:\WATRQUAL\INTEGRATED REPORT\Data and Documentation for 2010. Salmonid spawning as existing beneficial use was confirmed by USFS staff. Temperature data in this AU exceeded Idaho water quality standards for salmonid spawning criteria. Based on WBAGII, we concluded this AU not fully supporting for CWAL and SS.</p>		
ID17010303PN029_03	Wolf Lodge Creek - source to mouth	5.74	MILES
Temperature, water	<p>This AU was assessed on 1/19/2010 by CDA RO Staff (R. Steed, K. Keith, T. Clyne, and K. Stromberg). Temperature data were submitted by U.S. Forest Service, Idaho Panhandle National Forests, Coeur d'Alene River Ranger District as response to DEQ request for data. These data were assessed as Tier 1 by K. Stromberg and K. Duncan (DEQ intern) in 2009. The analysis can be found in a report attached and data are available at CDA Regional Office and on the Regional Office Shared Drive G:\WATRQUAL\INTEGRATED REPORT\Data and Documentation for 2010. Salmonid spawning as existing beneficial use was confirmed by USFS staff. Temperature data in this AU exceeded Idaho water quality standards for salmonid spawning criteria. Based on WBAGII, we concluded this AU not fully supporting for CWAL and SS.</p>		
ID17010303PN030_02	Cedar Creek - source to mouth	24.92	MILES
Temperature, water	<p>This AU was assessed on 1/19/2010 by CDA RO Staff (R. Steed, K. Keith, T. Clyne, and K. Stromberg). Temperature data were submitted by U.S. Forest Service, Idaho Panhandle National Forests, Coeur d'Alene River Ranger District as response to DEQ request for data. These data were assessed as Tier 1 by K. Stromberg and K. Duncan (DEQ intern) in 2009. The analysis can be found in a report attached and data are available at CDA Regional Office and on the Regional Office Shared Drive G:\WATRQUAL\INTEGRATED REPORT\Data and Documentation for 2010. Salmonid spawning as existing beneficial use was confirmed by USFS staff. Temperature data in this AU exceeded Idaho water quality standards for salmonid spawning criteria. Based on WBAGII, we concluded this AU not fully supporting for CWAL and SS.</p>		
ID17010303PN030_03	Cedar Creek - source to mouth	1.46	MILES
Temperature, water	<p>This AU was assessed on 1/19/2010 by CDA RO Staff (R. Steed, K. Keith, T. Clyne, and K. Stromberg). Temperature data were submitted by U.S. Forest Service, Idaho Panhandle National Forests, Coeur d'Alene River Ranger District as response to DEQ request for data. These data were assessed as Tier 1 by K. Stromberg and K. Duncan (DEQ intern) in 2009. The analysis can be found in a report attached and data are available at CDA Regional Office and on the Regional Office Shared Drive G:\WATRQUAL\INTEGRATED REPORT\Data and Documentation for 2010. Salmonid spawning as existing beneficial use was confirmed by USFS staff. Temperature data in this AU exceeded Idaho water quality standards for salmonid spawning criteria. Based on WBAGII, we concluded this AU not fully supporting for CWAL and SS.</p>		
ID17010303PN031_02	Marie Creek - source to mouth	19.66	MILES
Temperature, water	<p>This AU was assessed on 1/19/2010 by CDA RO Staff (R. Steed, K. Keith, T. Clyne, and K. Stromberg). Temperature data were submitted by U.S. Forest Service, Idaho Panhandle National Forests, Coeur d'Alene River Ranger District as response to DEQ request for data. These data were assessed as Tier 1 by K. Stromberg and K. Duncan (DEQ intern) in 2009. The analysis can be found in a report attached and data are available at CDA Regional Office and on the Regional Office Shared Drive G:\WATRQUAL\INTEGRATED REPORT\Data and Documentation for 2010. Salmonid spawning as existing beneficial use was confirmed by USFS staff. Temperature data in this AU exceeded Idaho water quality standards for salmonid spawning criteria. Based on WBAGII, we concluded this AU not fully supporting for CWAL and SS.</p>		

2012 Integrated Report: Category 5 (§303(d))

ID17010303PN033_03	Fernan Lake	340.36	ACRES
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Nutrient/Eutrophication Biological Indicators

5/21/2008 (KK and TC) - The 2000 Subbasin Assessment reported no violations of nutrient water quality standards; however, it suggested an advisory TMDL for the lake based on annual algal blooms. At the time of the Assessment, the generally accepted total phosphorus criterion for nuisance weed growth in lakes was 25 ug/L (USEPA, 1972). On July 23rd, an algal bloom in Fernan Lake occurred and water samples were collected for identification of the algae and photographs were taken for documentation. A sample was taken at the public boat ramp at the south end of the lake and the northeast end of the lake where algae were very concentrated. Laboratory results confirmed the presence of a blue-green algae bloom at the sample site. On the northeast end of the lake, the bloom consisted of Gloeotrichia echinulata in high density (5.5 colonies/ml, or tens of thousands cells/ml). There were small number of other blue-green taxa including microcystis, anabaena, gomphosphaeria, and aphanothecae. None of them exceeded more than a few thousand cells/ml. The algae bloom at the boat ramp consisted primarily of Microcystis aeruginosa, with just over 16,000 cells/ml. This is well below the WHO criteria for an advisory.

ID17010303PN034_02	Fernan Creek - source to Fernan Lake	15.57	MILES
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Temperature, water

Temperature was added by EPA in 1998.

ID17010303PN034_03	Fernan Creek - source to Fernan Lake	3.14	MILES
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Temperature, water

Temperature was added by EPA in 1998.

17010304

St. Joe

ID17010304PN013_03	Tyson Creek - source to mouth	2.14	MILES
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Escherichia coli

ID17010304PN014_03	Carpenter Creek - source to mouth	1.02	MILES
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Temperature, water

ID17010304PN022_02	Olson Creek - source to mouth	12.75	MILES
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Temperature, water

ID17010304PN024_03	Renfro Creek - locally known as Davis Cr	1.22	MILES
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Escherichia coli

ID17010304PN041_02a	Sherlock Creek	2.23	MILES
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Sedimentation/Siltation

ID17010304PN041_03	St. Joe River - source to North Fork St. Joe River	5.75	MILES
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Temperature, water

17010305

Upper Spokane

ID17010305PN002_02	Cable Creek - source to Idaho/Washington border	10.58	MILES
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Escherichia coli

2012 Integrated Report: Category 5 (§303(d))

ID17010305PN003_04 Spokane River - Post Falls Dam to Idaho/Washington border		5.66	MILES
Cadmium			
Lead			
Zinc			
Phosphorus (Total)			
ID17010305PN004_04 Spokane River - Coeur d'Alene Lake to Post Falls Dam		8.85	MILES
Cadmium			
Lead			
Zinc			
Phosphorus (Total)			
ID17010305PN008_02 Mokins Creek - source to mouth		7.81	MILES
Temperature, water	<p>1/19/2010 (R. Steed, K. Keith, T. Clyne, and K. Stromberg) - Temperature data were submitted by U.S. Forest Service, Idaho Panhandle National Forests, Coeur d'Alene River Ranger District as response to DEQ request for data. These data were assessed as Tier 1 by K. Stromberg and K. Duncan (DEQ intern) in 2009. The analysis can be found in a report attached and data are available at CDA Regional Office and on the Regional Office Shared Drive G:WATRQUAL\INTEGRATED REPORT\Data and Documentation for 2010. Salmonid spawning as existing beneficial use was confirmed by USFS staff. Temperature data in this AU exceeded Idaho water quality standards for salmonid spawning criteria. Based on WBAGII, we concluded this AU not fully supporting for CWAL and SS.</p> <p>2010: Mokins Creek. This AU was assessed on 1/19/2010 by CDA RO Staff (R. Steed, K. Keith, T. Clyne, and K. Stromberg). Temperature data were submitted by U.S. Forest Service, Idaho Panhandle National Forests, Coeur d'Alene River Ranger District as response to DEQ request for data. These data were assessed as Tier 1 by K. Stromberg and K. Duncan (DEQ intern) in 2009. The analysis can be found in a report attached and data are available at CDA Regional Office and on the Regional Office Shared Drive G:WATRQUAL\INTEGRATED REPORT\Data and Documentation for 2010. Salmonid spawning as existing beneficial use was confirmed by USFS staff. Temperature data in this AU exceeded Idaho water quality standards for salmonid spawning criteria. Based on WBAGII, we concluded this AU not fully supporting for CWAL and SS.</p>		
ID17010305PN009_02 Nilsen Creek - source to mouth		3.08	MILES
Temperature, water	<p>1/19/2010 (R. Steed, K. Keith, T. Clyne, and K. Stromberg) - Temperature data were submitted by U.S. Forest Service, Idaho Panhandle National Forests, Coeur d'Alene River Ranger District as response to DEQ request for data. These data were assessed as Tier 1 by K. Stromberg and K. Duncan (DEQ intern) in 2009. The analysis can be found in a report attached and data are available at CDA Regional Office and on the Regional Office Shared Drive G:WATRQUAL\INTEGRATED REPORT\Data and Documentation for 2010. Salmonid spawning as existing beneficial use was confirmed by USFS staff. Temperature data in this AU exceeded Idaho water quality standards for salmonid spawning criteria. Based on WBAGII, we concluded this AU not fully supporting for CWAL and SS.</p> <p>2010: Nilsen Creek. This AU was assessed on 1/19/2010 by CDA RO Staff (R. Steed, K. Keith, T. Clyne, and K. Stromberg). Temperature data were submitted by U.S. Forest Service, Idaho Panhandle National Forests, Coeur d'Alene River Ranger District as response to DEQ request for data. These data were assessed as Tier 1 by K. Stromberg and K. Duncan (DEQ intern) in 2009. The analysis can be found in a report attached and data are available at CDA Regional Office and on the Regional Office Shared Drive G:WATRQUAL\INTEGRATED REPORT\Data and Documentation for 2010. Salmonid spawning as existing beneficial use was confirmed by USFS staff. Temperature data in this AU exceeded Idaho water quality standards for salmonid spawning criteria. Based on WBAGII, we concluded this AU not fully supporting for CWAL and SS.</p>		

2012 Integrated Report: Category 5 (§303(d))

ID17010305PN010_02	Tributaries to Hayden Creek	35.25	MILES
Temperature, water		<p>1/19/2010 (R. Steed, K. Keith, T. Clyne, and K. Stromberg) - Temperature data were submitted by U.S. Forest Service, Idaho Panhandle National Forests, Coeur d'Alene River Ranger District as response to DEQ request for data. These data were assessed as Tier 1 by K. Stromberg and K. Duncan (DEQ intern) in 2009. The analysis can be found in a report attached and data are available at CDA Regional Office and on the Regional Office Shared Drive G:\WATRQUAL\INTEGRATED REPORT\Data and Documentation for 2010. Salmonid spawning as existing beneficial use was confirmed by USFS staff. Temperature data in this AU exceeded Idaho water quality standards for salmonid spawning criteria. Based on WBAGII, we concluded this AU not fully supporting for CWAL and SS.</p> <p>2010: Stump Creek. This AU was assessed on 1/19/2010 by CDA RO Staff (R. Steed, K. Keith, T. Clyne, and K. Stromberg). Temperature data were submitted by U.S. Forest Service, Idaho Panhandle National Forests, Coeur d'Alene River Ranger District as response to DEQ request for data. These data were assessed as Tier 1 by K. Stromberg and K. Duncan (DEQ intern) in 2009. The analysis can be found in a report attached and data are available at CDA Regional Office and on the Regional Office Shared Drive G:\WATRQUAL\INTEGRATED REPORT\Data and Documentation for 2010. Salmonid spawning as existing beneficial use was confirmed by USFS staff. Temperature data in this AU exceeded Idaho water quality standards for salmonid spawning criteria. Based on WBAGII, we concluded this AU not fully supporting for CWAL and SS.</p>	
ID17010305PN010_03	Hayden Creek -source to mouth	5.04	MILES
Temperature, water		<p>1/19/2010 (R. Steed, K. Keith, T. Clyne, and K. Stromberg) - Temperature data were submitted by U.S. Forest Service, Idaho Panhandle National Forests, Coeur d'Alene River Ranger District as response to DEQ request for data. These data were assessed as Tier 1 by K. Stromberg and K. Duncan (DEQ intern) in 2009. The analysis can be found in a report attached and data are available at CDA Regional Office and on the Regional Office Shared Drive G:\WATRQUAL\INTEGRATED REPORT\Data and Documentation for 2010. Salmonid spawning as existing beneficial use was confirmed by USFS staff. Temperature data in this AU exceeded Idaho water quality standards for salmonid spawning criteria. Based on WBAGII, we concluded this AU not fully supporting for CWAL and SS.</p>	
ID17010305PN011_02	Sage Creek and Lewellen Creek - source to mouth	35.73	MILES
Combined Biota/Habitat Bioassessments			
ID17010305PN012_03	Rathdrum Creek - Twin Lakes to mouth	3.47	MILES
Combined Biota/Habitat Bioassessments		<p>This AU was assessed on 1/7/2010 by CDA RO Staff (R. Steed) This AU was previously assessed as CWAL and SCR in the "FS" category. The 2008 BURP ALUS suggests "NFS". Assessment was performed following the WBAG II protocol, and this AU is in the Not Full Support category for CWAL and in the Full Support category for SCR. The cause of impairment is unknown at this time and a Stressor Identification study should be conducted.</p>	
ID17010305PN017_02	Lost Lake, Howell, and Lost Creeks - source to mouth	13.27	MILES
Escherichia coli		<p>1/29/2010 (R. Steed) - 2006 BURP Escherichia coli sample exceed Idaho Water Quality Standards numeric criteria. The Geomean was 293 cfu/100mL.</p>	
Combined Biota/Habitat Bioassessments		<p>1/7/2010 (R. Steed) - This AU was previously unassessed. The 2006 BURP ALUS suggests "NFS". Assessment was performed following the WBAG II protocol, and this AU is in the Not Full Support category for CWAL and in the Full Support category for SCR. The cause of impairment is unknown at this time and a Stressor Identification study should be conducted.</p>	
ID17010305PN018_02	Hauser Creek - upper	15.34	MILES
Escherichia coli		<p>1/7/2010 (R. Steed) - This AU was previously NFS for PCR. The 2006 BURP ALUS suggests "NFS". Assessment was performed following the WBAG II protocol, and this AU is in the Full Support category for CWAL and remains in the Not Full Support category for PCR. The cause of impairment remains e. coli. MST monitoring during summer of 2009 by Coeur d' Alene Regional Office confirms high bacteria counts.</p>	

2012 Integrated Report: Category 5 (§303(d))

ID17010305PN018_03	Hauser Creek - lower, mainstem portion	2.65	MILES
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Escherichia coli

Salmon

17060103 Lower Snake-Asotin

ID17060103SL001_08	Snake River	6.26	MILES
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Temperature, water

ID17060103SL004_08	Snake River - Salmon River to Cottonwood Creek	7.14	MILES
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Temperature, water

17060201 Upper Salmon

ID17060201SL001_02	Salmon River - Pennal Gulch to Pahsimeroi River	93.32	MILES
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Combined Biota/Habitat Bioassessments

ID17060201SL007_04	Challis Creek - Darling Creek to mouth	3.42	MILES
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Temperature, water

ID17060201SL009_04	Challis Creek - Bear Creek to Darling Creek	1.5	MILES
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Temperature, water

Cause Unknown

Nutrients Suspected Impairment

ID17060201SL015_03	Garden Creek - source to mouth	3.92	MILES
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Sedimentation/Siltation

Cause Unknown

Nutrients suspected impairment.

ID17060201SL015_04	Garden Creek - source to mouth	8.81	MILES
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Sedimentation/Siltation

Cause Unknown

Nutrients suspected impairment.

ID17060201SL023_02	Squaw Creek Tributaries	46.14	MILES
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Temperature, water

ID17060201SL023_03	Squaw Creek- Willow Creek to Martin Creek	6.04	MILES
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Temperature, water

ID17060201SL023_04	Squaw Creek - Martin Creek to Cash Creek	2.95	MILES
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Temperature, water

ID17060201SL026_02	Bruno Creek - source to mouth	8.77	MILES
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Combined Biota/Habitat Bioassessments

2012 Integrated Report: Category 5 (§303(d))

ID17060201SL027_05	Salmon River - Thompson Creek to Squaw Creek	4.41	MILES
Sedimentation/Siltation			
Temperature, water			
ID17060201SL047_05	Salmon River - Valley Creek to Yankee Fork Creek	12.62	MILES
Sedimentation/Siltation			
Temperature, water			
ID17060201SL048_03	Basin Creek - East Basin Creek to mouth	2.36	MILES
Combined Biota/Habitat Bioassessments			
ID17060201SL051_02	Valley Creek - Trap Creek to mouth	30.01	MILES
Combined Biota/Habitat Bioassessments			
ID17060201SL056_02	Meadow Creek - source to mouth	4.4	MILES
Combined Biota/Habitat Bioassessments			
ID17060201SL063_05	Salmon River - Redfish Lake Creek to Valley Creek	5.39	MILES
Sedimentation/Siltation			
Temperature, water			
ID17060201SL072_05	Salmon River - Fisher Creek to Decker Creek	8.42	MILES
Sedimentation/Siltation			
ID17060201SL075_02	Alturas Lake Creek - Alturas Lake to mouth	14.14	MILES
Combined Biota/Habitat Bioassessments			
ID17060201SL086_03	Champion Creek - source to mouth	5.63	MILES
Combined Biota/Habitat Bioassessments			
ID17060201SL089_02	Williams Creek - source to mouth	12.88	MILES
Combined Biota/Habitat Bioassessments			
ID17060201SL099_02	Slate Creek - source to mouth	36.8	MILES
Combined Biota/Habitat Bioassessments			
ID17060201SL103_02	East Fork Salmon River - Germania Creek to Herd Creek	59.88	MILES
Combined Biota/Habitat Bioassessments			
ID17060201SL104_03	Big Lake Creek - source to mouth	1.76	MILES
Combined Biota/Habitat Bioassessments			
ID17060201SL125_03	Road Creek - source to Corral Basin Creek	2.9	MILES
Combined Biota/Habitat Bioassessments			
ID17060201SL126_02	Mosquito Creek - source to mouth	12.43	MILES
Combined Biota/Habitat Bioassessments			

2012 Integrated Report: Category 5 (§303(d))

ID17060201SL131_04	Warm Spring Creek - Hole-in-Rock Creek to mouth	4.29	MILES
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Sedimentation/Siltation

ID17060201SL132_02	Warm Spring Creek - source to Hole-in-Rock Creek	104.67	MILES
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Sedimentation/Siltation

ID17060201SL132_03	Warm Spring Creek - source to Hole-in-Rock Creek	5.08	MILES
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Sedimentation/Siltation

ID17060201SL132_04	Warm Spring Creek - source to Hole-in-Rock Creek	6.71	MILES
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Sedimentation/Siltation

ID17060201SL133_02	Broken Wagon Creek - source to mouth	44.76	MILES
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Sedimentation/Siltation

ID17060201SL133_03	Broken Wagon Creek - source to mouth	3.18	MILES
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Sedimentation/Siltation

17060202 Pahsimeroi

ID17060202SL002_02	Pahsimeroi River - Meadow Creek to Patterson Creek	50.68	MILES
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Combined Biota/Habitat Bioassessments

Sedimentation/Siltation

Temperature, water

Fecal Coliform

ID17060202SL002_04	Pahsimeroi River - Meadow Creek to Patterson Creek	2.47	MILES
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Particle distribution (Embeddedness)

ID17060202SL002_05	Pahsimeroi River - Meadow Creek to Patterson Creek	10.22	MILES
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Temperature, water

Cause Unknown

Nutrients Suspected Impairment

ID17060202SL003_03	Lawson Creek-confluence of North and South Fork Lawson Creek	1.83	MILES
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Combined Biota/Habitat Bioassessments

ID17060202SL004_02	North Fork Lawson Creek - source to mouth	11.82	MILES
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Combined Biota/Habitat Bioassessments

ID17060202SL005_02	South Fork Lawson Creek - source to mouth	11.91	MILES
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Combined Biota/Habitat Bioassessments

ID17060202SL006_02	Meadow Creek - source to mouth	28.51	MILES
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Combined Biota/Habitat Bioassessments

Fecal Coliform

2012 Integrated Report: Category 5 (§303(d))

ID17060202SL007_04	Pahsimeroi River - Furey Lane (T15S, R22E) to Meadow Creek	1.56	MILES
Cause Unknown		Nutrients Suspected Impairment	
ID17060202SL009_02	Grouse Creek - source to mouth	35.94	MILES
Combined Biota/Habitat Bioassessments			
ID17060202SL010_03	Pahsimeroi River - Goldburg Creek to Big Creek	5.32	MILES
Cause Unknown		Nutrients Suspected Impairment	
ID17060202SL010_04	Pahsimeroi River - Goldburg Creek to Big Creek	6.64	MILES
Cause Unknown		Nutrients Suspected Impairment	
ID17060202SL010_05	Pahsimeroi River - Goldburg Creek to Big Creek	0.1	MILES
Cause Unknown		Nutrients Suspected Impairment	
ID17060202SL011_04	Pahsimeroi River	2.54	MILES
Cause Unknown		Nutrients Suspected Impairment	
ID17060202SL017_04	Pahsimeroi River	10.35	MILES
Cause Unknown		Nutrients Suspected Impairment	
ID17060202SL023_03	Burnt Creek - Long Creek to mouth	5.06	MILES
Combined Biota/Habitat Bioassessments			
ID17060202SL026_02	Short Creek - source to mouth	5.83	MILES
Combined Biota/Habitat Bioassessments			
ID17060202SL029_02	Donkey Creek -source to mouth	13.56	MILES
Combined Biota/Habitat Bioassessments			
ID17060202SL030_02	Goldburg Creek - source to Donkey Creek	37.62	MILES
Fecal Coliform			
ID17060202SL031_03	Big Creek - confluence of North and South Fork Big Creeks	13.56	MILES
Sedimentation/Siltation			
Cause Unknown			

17060203

Middle Salmon-Panther

ID17060203SL005_03	Big Deer Creek - South Fork Big Deer Creek to mouth	2.98	MILES
Copper		This stream is impacted by the Blackbird Mine. It is actively being remediated but still exhibits exceedances of the copper standard. Data can be reviewed by contacting the Blackbird Mine Project officer at the Idaho Falls regional DEQ office at 208.528.2650	
ID17060203SL007_02	South Fork Big Deer Creek - Bucktail Creek to mouth	0.52	MILES
Copper		This AU is impacted by the Blackbird Mine. Dissolved Copper concentrations average 39 ppb. Being actively remediated through a CERCLA action.	

2012 Integrated Report: Category 5 (§303(d))

ID17060203SL010_05	Panther Creek - Napias Creek to Big Deer Creek	6.08	MILES
Copper	This stream is impacted by the Blackbird Mine and is being actively remediated. Data supporting this listing can be reviewed by contacting the Idaho Falls Regional DEQ office at 208.528.2650		
ID17060203SL011_02	Panther Creek - Blackbird Creek to Napias Creek	6.97	MILES
Combined Biota/Habitat Bioassessments			
ID17060203SL011_04	Panther Creek - Blackbird Creek to Napias Creek	5.5	MILES
Copper			
ID17060203SL027_02	Trail Creek - source to mouth	9.5	MILES
Combined Biota/Habitat Bioassessments			
ID17060203SL039_07	Salmon River - Carmen Creek to North Fork Salmon River	16.06	MILES
Cause Unknown	6/30/2011 (NED) - Segment carried forward from the 1992 305(b) report, Appendix D. Segment first listed on the 1994 303(d) list which was promulgated by EPA. Listing was not based on any actual water quality monitoring data (biological, physical, chemical) but rather a case of best professional judgment. Since the segment did not have a cause identified on the 1992 305(b) report or the 1994 303(d) list, cause unknown was listed on the 1998 303(d) list. Until DEQ has sufficient data (only calculated the RMI from the Idaho Major River Survey conducted in 2006 and 2008) to make an accurate beneficial use support determination, this AU will remain in Category 5.		
ID17060203SL040_02	Wallace Creek - source to mouth	7.94	MILES
Sedimentation/Siltation			
Temperature, water			
ID17060203SL041_07	Salmon River - Pollard Creek to Carmen Creek	5.32	MILES
Cause Unknown			
ID17060203SL042_02	Salmon River - Williams Creek to Pollard Creek	48.87	MILES
Combined Biota/Habitat Bioassessments			
ID17060203SL042_07	Salmon River - Williams Creek to Pollard Creek	8.81	MILES
Cause Unknown			
ID17060203SL046_06	Salmon River - Twelvemile Creek to Williams Creek	6.41	MILES
Cause Unknown			
ID17060203SL047_06	Salmon River - Iron Creek to Twelvemile Creek	12.6	MILES
Cause Unknown			
ID17060203SL053_06	Salmon River - Pahsimeroi River to Iron Creek	9.12	MILES
Cause Unknown			
ID17060203SL055_02	Cow Creek - source to mouth	27.15	MILES
Combined Biota/Habitat Bioassessments			

17060204

Lemhi

2012 Integrated Report: Category 5 (§303(d))

ID17060204SL036_03	Texas Creek	14.93	MILES
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Combined Biota/Habitat Bioassessments

Sedimentation/Siltation

Fecal Coliform

17060205 Upper Middle Fork Salmon

ID17060205SL012_04	Bear Valley Creek - 4th order (Cache Creek to Elk Creek)	7.36	MILES
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Sedimentation/Siltation

ID17060205SL012_05	Bear Valley Creek - 5th order	11.24	MILES
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Temperature, water

17060208 South Fork Salmon

ID17060208SL023_02	East Fork of the South Fork Salmon River - 1st and 2nd order	25.16	MILES
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Arsenic

1/29/2013 (NED) - Based on data collected by USGS between September 2011 and August 2012 at the gage station located in the 2nd order portion of the East Fork of the South Fork of the Salmon River (station 13310800), 4 of 6 unfiltered arsenic samples exceeded Idaho's human health criterion of 10 µg/L. The sample results were:

9/19/2011 - 11.8 µg/L
10/17/2011 - 10.2 µg/L
12/14/2011 - 11.9 µg/L
8/28/2012 - 11.9 µg/L

Although the average scores of the BURP data collected in 2004 and 2008 were greater than 2, which according to DEQ's Water Body Assessment Guidance is considered fully supporting, this AU is being listed due to a numeric exceedance.

2012 Integrated Report: Category 5 (§303(d))

ID17060208SL023_03	East Fork of the South Fork of the Salmon River - 3rd order	2.58	MILES
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Combined Biota/Habitat Bioassessments

Antimony

1/29/2013 (NED) - Based on data collected by USGS between September 2011 and August 2012 at two gage stations located in the 3rd order portion of the East Fork of the South Fork of the Salmon River (stations 13311000 and 13311250), 6 of 8 unfiltered antimony samples exceeded Idaho's human health criterion of 5.6 µg/L at gage station 13311000 and 7 of 7 at gage station 13311250. The sample results at gage station 13311000 were:

9/22/2011 - 6.0 µg/L
9/22/2011 - 6.0 µg/L
10/18/2011 - 10.1 µg/L
12/14/2012 - 13.3 µg/L
5/18/2012 - 10.3 µg/L
8/28/2012 - 6.25 µg/L

The sample results at gage station 13311250 were:

9/21/2011 - 25.2 µg/L
9/22/2011 - 25.0 µg/L
10/18/2011 - 25.7 µg/L
12/15/2012 - 27 µg/L
5/18/2012 - 16.6 µg/L
6/14/2012 - 11.3 µg/L
8/29/2012 - 25.5 µg/L

Arsenic

1/29/2013 (NED) - Based on data collected by USGS between September 2011 and August 2012 at two gage stations located in the 3rd order portion of the East Fork of the South Fork of the Salmon River (stations 13311000 and 13311250), 8 of 8 unfiltered arsenic samples exceeded Idaho's human health criterion of 10 µg/L at gage station 13311000 and 7 of 7 at gage station 13311250. The sample results at gage station 13311000 were:

9/20/2011 - 32.4 µg/L
9/22/2011 - 31.0 µg/L
9/22/2011 - 33.0 µg/L
10/18/2011 - 22.3 µg/L
12/14/2012 - 23.7 µg/L
5/18/2012 - 15.9 µg/L
6/13/2012 - 13.0 µg/L
8/28/2012 - 32.9 µg/L

The sample results at gage station 13311250 were:

9/21/2011 - 72.0 µg/L
9/22/2011 - 78.0 µg/L
10/18/2011 - 54.0 µg/L
12/15/2012 - 62.9 µg/L
5/18/2012 - 26.5 µg/L
6/14/2012 - 22.4 µg/L
8/29/2012 - 70.8 µg/L

ID17060208SL023_05	East Fork South Fork Salmon River - 5th order	14.46	MILES
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Sedimentation/Siltation

3/8/2013 (HS and NED) - This sediment impairment was not addressed by any of the South Fork Salmon River TMDL documents. According to the five year review of the South Fork Salmon River Subbasin TMDL, page 26, "Mass wasting events have clearly contributed large amounts of sediment to this AU." When resources permit, DEQ will conduct additional work on determining sediment sources to this AU. Due to the lack of information, no changes are recommended to the Integrated Report.

2012 Integrated Report: Category 5 (§303(d))

ID17060208SL029_03 Sugar Creek - 3rd order (Cane Creek to mouth)		2.8	MILES
Arsenic	<p>1/29/2013 (NED) - Based on data collected by USGS between September 2011 and August 2012 at the gage site located in the 3rd order portion of Sugar Creek (station 13311450), 4 of 6 unfiltered arsenic samples exceeded Idaho's human health criterion of 10 µg/L. The sample results were:</p> <p>9/21/2011 - 22.5 µg/L 10/18/2011 - 20.4 µg/L 12/15/2011 - 32.7 µg/L 8/29/2012 - 20.7 µg/L</p> <p>Although the average scores of the BURP data collected in 2004 and 2007 were greater than 2, which according to DEQ's Water Body Assessment Guidance this AU is considered fully supporting, this AU is being listed due to an arsenic numeric exceedance.</p>		
Antimony	<p>1/29/2013 (NED) - Based on data collected by USGS between September 2011 and August 2012 at the gage station located in the 3rd order portion of Sugar Creek (station 13311450), 4 of 6 unfiltered antimony samples exceeded Idaho's human health criterion of 5.6 µg/L. The sample results were:</p> <p>9/21/2011 - 9.59 µg/L 10/18/2011 - 11.0 µg/L 12/15/2012 - 11.7 µg/L 8/29/2012 - 6.23 µg/L</p>		
Mercury	<p>1/29/2013 (NED) - The aquatic life chronic criterion in effect for Idaho's waters for purposes of the Clean Water Act is 0.012 µg/L; as set by EPA's December 12, 2008 letter, disapproving DEQ's removal of mercury acute and chronic freshwater aquatic life criteria. Based on the data collected by USGS between September 2011 and November 2012 at gage station 13311450, and applying the 0.012 µg/L criterion above, 5 of 6 unfiltered mercury samples are exceeded.</p> <p>9/21/2011 - 0.017 µg/L 5/18/2012 - 0.76 µg/L 6/14/2012 - 0.1 µg/L 8/29/2012 - 0.02 µg/L 11/7/2012 - 0.041 µg/L</p>		

17060209

Lower Salmon

ID17060209SL008_07 Salmon River - Slate Creek to Rice Creek		27.88	MILES
Mercury	<p>The Me-Hg human health criterion is protective of aquatic life. Since Idaho is relying on the Me-Hg criterion to protect aquatic life, for 303(d) listing purposes, if human health use is impaired aquatic life use will be assumed to be impaired as well. (2008 Integrated Principals & Policies Document page 27).</p> <p>The value of 0.3 mg Me-Hg per Kg of fish tissue (wet weight) is set at a level to protect the general public from adverse effects during a lifetime of exposure. The Section 5 (303(d)) listing for this assessment unit is based on USGS methyl Hg data USGS (2004-2007) single species 10 fish composite samples. Results are 0.4 mg Me-Hg/Kg.</p> <p>The data were evaluated following the 2008 Integrated Report Principals & Policies Document; page 28 for recreational use and aquatic life use impairment.</p>		

ID17060209SL057_02 John's Creek - 1st and 2nd order tributaries		44.29	MILES
Combined Biota/Habitat Bioassessments	<p>3/2010 (CB) - During the development of the Lower Salmon River and Hells Canyon Tributaries Assessments and TMDLs, an analysis of the dominant benthic macroinvertebrate community from a 2008 BURP survey within John's Creek identified pollutant tolerant taxa that are able to occupy habitats with low dissolved oxygen and high nutrient concentrations. Additionally, visible slime growths were observed during site visits, and nuisance vegetation growths are occurring in stream. This implies that impairment to the cold water aquatic life beneficial use may be a result of excessive nutrient loading. Lack of nutrient data restricts the ability to adequately calculate loads and any necessary load reductions. For additional information, refer to page xxiv of the TMDL.</p>		

2012 Integrated Report: Category 5 (§303(d))

ID17060209SL062_03w	Deer Creek - upstream from waterfall	4.51	MILES
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Sedimentation/Siltation

17060210 Little Salmon

ID17060210SL008_03	Mud and Little Mud Creeks - 3rd order	8.13	MILES
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Combined Biota/Habitat Bioassessments

ID17060210SL010_04	East Branch Goose Creek and 4th order section of Goose Creek	5.46	MILES
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Escherichia coli

4/11/2012 (HS) - Bacteria samples collected during August and September 2011 showed a geometric mean of 264 col/100mL which is greater than the 126 col/100 mL criterion value.

Southwest

17050101 C. J. Strike Reservoir

ID17050101SW010_03	King Hill Creek - 3rd order (West Fork to mouth)	11.58	MILES
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Combined Biota/Habitat Bioassessments

ID17050101SW011_02	West Fork King Hill Creek - entire drainage	29.41	MILES
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Temperature, water

ID17050101SW024_03	Long Tom Creek - 3rd order	10.49	MILES
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Combined Biota/Habitat Bioassessments

17050102 Bruneau

ID17050102SW002_05	Jacks Creek-Little Jacks Ck to CJ Strike Reservoir	12.28	MILES
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Temperature, water

ID17050102SW004_05	Big Jacks Creek - upper 5th order	24.1	MILES
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Combined Biota/Habitat Bioassessments

ID17050102SW009_06	Bruneau River - 6th order (Hot Creek to mouth)	16.93	MILES
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Temperature, water

(HS) - Temperature was listed based on the Bruneau River Subbasin Assessment and TMDL, approved March 13, 2001. For additional information refer to page 3 of the TMDL.

ID17050102SW014_04	Sheep Creek - 4th order	25.5	MILES
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Combined Biota/Habitat Bioassessments

2012 Integrated Report: Category 5 (§303(d))

ID17050102SW015_02L Grasmere Reservoir		114.35	ACRES
Mercury	<p>2/16/2010 (NED) - Mercury listing based on the DEQ report, "Arsenic, Mercury, and Selenium in Fish Tissue from Idaho Lakes and Reservoirs: A Statewide Assessment" (Essig and Kostermann, May 2008). A Mercury level of 0.319 mg/kg, which exceeds the human health criterion of 0.3 mg/kg, was reported.</p> <p>2/16/2010 - Mercury listing based on the DEQ report, "Arsenic, Mercury, and Selenium in Fish Tissue from Idaho Lakes and Reservoirs: A Statewide Assessment" (Essig and Kostermann, May 2008). A Mercury level of 0.319 mg/kg, which exceeds the human health criterion of 0.3 mg/kg, was reported. NED</p>		
ID17050102SW016_02 Marys Creek - 1st and 2nd order		133.53	MILES
Combined Biota/Habitat Bioassessments			
ID17050102SW016_04 Marys Creek - 4th order		35.01	MILES
Combined Biota/Habitat Bioassessments			
ID17050102SW017_02 Bull Creek - 1st and 2nd order tributaries		29.5	MILES
Combined Biota/Habitat Bioassessments			
ID17050102SW018_02 Pole Creek - 1st and 2nd order		32.99	MILES
Combined Biota/Habitat Bioassessments			
ID17050102SW019_02 Cat Creek - 1st and 2nd order		17.78	MILES
Combined Biota/Habitat Bioassessments			
ID17050102SW023_02 Dorsey Creek - 1st and 2nd order		33.2	MILES
Combined Biota/Habitat Bioassessments			
ID17050102SW028_04 Clover Creek - 4th order (Deadwood Creek to Buck Flat Draw)		29.62	MILES
Temperature, water			
This was part of EPA's 1998 303(d) list temperature addition. Hawk 2/1/10			
ID17050102SW028_05 Clover Creek (East Fork Bruneau River) - 5th order		24.74	MILES
Temperature, water			
ID17050102SW030_02 Big Flat Creek - 1st and 2nd order		48.73	MILES
Combined Biota/Habitat Bioassessments			
ID17050102SW033_03 Deer Creek - 3rd order		5.23	MILES
Combined Biota/Habitat Bioassessments			
ID17050102SW034_02 Deadwood Creek - 1st and 2nd order		28.12	MILES
Combined Biota/Habitat Bioassessments			
ID17050102SW035_04 Buck Flat Draw - 4th order		10.21	MILES
Temperature, water			
(HS) - This assessment unit was delisted for temperature because it is intermittent. However, EPA's 2010 public comments said that mere intermittency was not sufficient for delisting. Hence, this AU has been 're-listed' for temperature, pending further data.			

17050103

Middle Snake-Succor

2012 Integrated Report: Category 5 (§303(d))

ID17050103SW000_07	Snake River - State Line to Boise River	4.19	MILES
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Temperature, water

From 2004 TMDL, page 70:

The Snake River is designated for cold water aquatic life, but supports a primarily warm and cool water fishery. Elevated temperatures above the cold water aquatic life temperature standard are typically observed in July and August. The maximum weekly average temperature during the first week of August 1997 was 23 °C. Figure 2.4 July 14, 2002: Fish kill on the Snake River at Walters Ferry In 1992, a drought year, an instantaneous maximum of 29 °C was reached downstream of Swan Falls Dam. In early July 2002, following several days of extremely hot weather, instantaneous temperatures exceeded 26 °C below Swan Falls Dam. These temperatures resulted in a large fish kill of mountain whitefish (Figure 2.4). This event occurred after several days of extremely hot weather and water temperatures >26 degrees Celsius. This picture is not meant to imply that these fish kills occur on an annual basis, nor is it necessarily representative of conditions in the tributaries to the Snake River. Whitefish are subject to lethal effects at temperatures above 26 °C. An Idaho Power study on the habitat of the Snake River Plain states that whitefish kills are common in the Swan Falls area in the summer and are primarily due to elevated temperatures (IPC 2002). As shown in Figure 2.5, the Snake River exceeds the cold water maximum daily average temperature of 19 °C (USGS 2000). The Snake River is proposed for temperature listing on the §303(d) list. A TMDL is not being written at this time in order to allow time to adequately assess the thermal site potential of the river.

ID17050103SW001_07	Snake River - Marsing (RM425) to State Line	16.09	MILES
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Temperature, water

From 2004 TMDL, page 70:

The Snake River is designated for cold water aquatic life, but supports a primarily warm and cool water fishery. Elevated temperatures above the cold water aquatic life temperature standard are typically observed in July and August. The maximum weekly average temperature during the first week of August 1997 was 23 °C. Figure 2.4 July 14, 2002: Fish kill on the Snake River at Walters Ferry In 1992, a drought year, an instantaneous maximum of 29 °C was reached downstream of Swan Falls Dam. In early July 2002, following several days of extremely hot weather, instantaneous temperatures exceeded 26 °C below Swan Falls Dam. These temperatures resulted in a large fish kill of mountain whitefish (Figure 2.4). This event occurred after several days of extremely hot weather and water temperatures >26 degrees Celsius. This picture is not meant to imply that these fish kills occur on an annual basis, nor is it necessarily representative of conditions in the tributaries to the Snake River. Whitefish are subject to lethal effects at temperatures above 26 °C. An Idaho Power study on the habitat of the Snake River Plain states that whitefish kills are common in the Swan Falls area in the summer and are primarily due to elevated temperatures (IPC 2002). As shown in Figure 2.5, the Snake River exceeds the cold water maximum daily average temperature of 19 °C (USGS 2000). The Snake River is proposed for temperature listing on the §303(d) list. A TMDL is not being written at this time in order to allow time to adequately assess the thermal site potential of the river.

ID17050103SW004_02	McBride Creek - 1st and 2nd order	73.13	MILES
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Sedimentation/Siltation

3/7/2012 (HS) - In DEQ fieldwork in 2010 and 2011, the banks of this assessment unit were found to be severely eroded.

ID17050103SW004_03	McBride Creek - 3rd order	6.86	MILES
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Temperature, water

(HS) - This assessment unit was delisted for temperature because it is intermittent. EPA's public comment said that mere intermittency was not sufficient for delisting. Hence, this AU has been 're-listed' for temperature, pending late-spring monitoring.

Sedimentation/Siltation

3/7/2013 (HS) - This assessment unit was found to have severe bank erosion during DEQ fieldwork in 2010 and 2011.

2012 Integrated Report: Category 5 (§303(d))

ID17050103SW006_07 Snake River - C.J. Strike Dam to Castle Creek	23.91	MILES
Temperature, water	From 2004 TMDL, page 70:	
	<p>The Snake River is designated for cold water aquatic life, but supports a primarily warm and cool water fishery. Elevated temperatures above the cold water aquatic life temperature standard are typically observed in July and August. The maximum weekly average temperature during the first week of August 1997 was 23 °C. Figure 2.4 July 14, 2002: Fish kill on the Snake River at Walters Ferry In 1992, a drought year, an instantaneous maximum of 29 °C was reached downstream of Swan Falls Dam. In early July 2002, following several days of extremely hot weather, instantaneous temperatures exceeded 26 °C below Swan Falls Dam. These temperatures resulted in a large fish kill of mountain whitefish (Figure 2.4). This event occurred after several days of extremely hot weather and water temperatures >26 degrees Celsius. This picture is not meant to imply that these fish kills occur on an annual basis, nor is it necessarily representative of conditions in the tributaries to the Snake River. Whitefish are subject to lethal effects at temperatures above 26 °C. An Idaho Power study on the habitat of the Snake River Plain states that whitefish kills are common in the Swan Falls area in the summer and are primarily due to elevated temperatures (IPC 2002). As shown in Figure 2.5, the Snake River exceeds the cold water maximum daily average temperature of 19 °C (USGS 2000). The Snake River is proposed for temperature listing on the §303(d) list. A TMDL is not being written at this time in order to allow time to adequately assess the thermal site potential of the river.</p>	
ID17050103SW006_07b Snake River - Swan Falls to Marsing (RM425)	36.21	MILES
Temperature, water	From 2004 TMDL, page 70:	
	<p>The Snake River is designated for cold water aquatic life, but supports a primarily warm and cool water fishery. Elevated temperatures above the cold water aquatic life temperature standard are typically observed in July and August. The maximum weekly average temperature during the first week of August 1997 was 23 °C. Figure 2.4 July 14, 2002: Fish kill on the Snake River at Walters Ferry In 1992, a drought year, an instantaneous maximum of 29 °C was reached downstream of Swan Falls Dam. In early July 2002, following several days of extremely hot weather, instantaneous temperatures exceeded 26 °C below Swan Falls Dam. These temperatures resulted in a large fish kill of mountain whitefish (Figure 2.4). This event occurred after several days of extremely hot weather and water temperatures >26 degrees Celsius. This picture is not meant to imply that these fish kills occur on an annual basis, nor is it necessarily representative of conditions in the tributaries to the Snake River. Whitefish are subject to lethal effects at temperatures above 26 °C. An Idaho Power study on the habitat of the Snake River Plain states that whitefish kills are common in the Swan Falls area in the summer and are primarily due to elevated temperatures (IPC 2002). As shown in Figure 2.5, the Snake River exceeds the cold water maximum daily average temperature of 19 °C (USGS 2000). The Snake River is proposed for temperature listing on the §303(d) list. A TMDL is not being written at this time in order to allow time to adequately assess the thermal site potential of the river.</p>	
ID17050103SW008_02 Hardtrigger Creek - entire drainage	23.01	MILES
Sedimentation/Siltation	3/7/2013 (HS) - This assessment unit was found to have moderately severe bank erosion during DEQ fieldwork in 2010 and 2011.	
ID17050103SW009_03 Reynolds, Salmon and Wilson Creeks - 3rd order segments	17.1	MILES
Escherichia coli	Stream listed because of 5 e-coli results: 948.8, 162.4, 76.6, 45.5, 125.9. Taken over a one-month period on different days.	
ID17050103SW009_04 Reynolds Creek - 4th order (Salmon Creek to Snake River)	11.84	MILES
Combined Biota/Habitat Bioassessments		
ID17050103SW016_02 Pickett Creek - 1st & 2nd order	27.52	MILES
Temperature, water	3/7/2013 (HS) - This assessment unit was delisted for temperature because it is intermittent. EPA's public comment said that mere intermittency was not sufficient for delisting. Hence, this AU has been 're-listed' for temperature, pending further data.	

2012 Integrated Report: Category 5 (§303(d))

ID17050103SW016_03 Pickett Creek - 3rd order		6.44	MILES
Sedimentation/Siltation		3/7/2013 (HS) - This assessment unit was found to have moderately severe bank erosion during DEQ fieldwork in 2010-2012.	
ID17050103SW021_03 Birch Creek - 3rd order		15.12	MILES
Sedimentation/Siltation		<p>3/7/2012 (HS) - In 2010 and 2011, this assessment unit was found to have severely unstable banks.</p> <p>DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 77% stable. This indicates that erosion is a serious problem and that the assessment unit is probably impaired by sediment. A TMDL will be developed.</p> <p>Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.</p>	
ID17050103SW021_04 Birch Creek - 4th order		2.7	MILES
Sedimentation/Siltation		<p>3/7/2012 (HS) - In 2010 and 2011, this assessment unit was found to have severely unstable banks.</p> <p>DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 87% stable, but were extremely high (>20 feet). This indicates that erosion may be a serious problem and that the assessment unit may be impaired by sediment. Further field work will be conducted.</p> <p>Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.</p>	
ID17050103SW023_03 Vinson Wash - 3rd order		7.91	MILES
Combined Biota/Habitat Bioassessments			

17050104 Upper Owyhee

ID17050104SW005L_0L Juniper Basin Reservoir		241.79	ACRES
Escherichia coli			
ID17050104SW012_03 Little Blue Creek - 3rd order		4.64	MILES
Combined Biota/Habitat Bioassessments			
ID17050104SW014_02L Shoofly Reservoir		87.82	ACRES
Mercury		<p>2/16/2010 (NED) - Mercury listing based on the DEQ report, "Arsenic, Mercury, and Selenium in Fish Tissue from Idaho Lakes and Reservoirs: A Statewide Assessment" (Essig and Kostermann, May 2008). A Mercury level of 0.502 mg/kg, which exceeds the human health criterion of 0.3 mg/kg, was reported.</p>	
ID17050104SW024_02 Dry Creek - entire drainage except reservoir		26.31	MILES
Combined Biota/Habitat Bioassessments			
ID17050104SW025_03 Big Springs Creek - 3rd order		3.99	MILES
Combined Biota/Habitat Bioassessments			

2012 Integrated Report: Category 5 (§303(d))

ID17050104SW031_03	Nickel, Thomas & Smith Creeks - 3rd order sections	9.71	MILES
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Aquatic Plant Bioassessments

The 2003 TMDL used an analysis of periphyton to conclude that this assessment unit may be impaired by metals.

ID17050104SW033_02	Beaver Creek - 1st and 2nd order	47.56	MILES
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Combined Biota/Habitat Bioassessments

8/30/2012 (HS) - This assessment unit was listed because of failing BURP site 1999SBOIA006.

17050108

Jordan

ID17050108SW002_02	Lone Tree Creek and tributaries - 1st and 2nd order	29.25	MILES
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Combined Biota/Habitat Bioassessments

Escherichia coli

ID17050108SW004_02	Upper Jordan Creek - 1st and 2nd order tributaries	102.32	MILES
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Mercury

2/18/2010 (NED) - Mercury listing based on the DEQ report, "Analysis of Total Mercury Concentrations in Fish Samples from Jordan Creek and Non-Jordan Creek Sites" (Xin Dai and Michael Ingham, Revised November 2009). A Mercury level of 0.551 mg/kg, which exceeds the human health criterion of 0.3 mg/kg, was reported.

ID17050108SW004_03	Jordan Creek - 3rd order (Jacobs Gulch to Louse Creek)	13.41	MILES
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Mercury

2/18/2010 (NED) - Mercury listing based on the DEQ report, "Analysis of Total Mercury Concentrations in Fish Samples from Jordan Creek and Non-Jordan Creek Sites" (Xin Dai and Michael Ingham, Revised November 2009). A Mercury level of 0.511 mg/kg, which exceeds the human health criterion of 0.3 mg/kg, was reported.

ID17050108SW004_05	Jordan Creek - Big Boulder Creek to Williams Creek	3.38	MILES
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Mercury

2/18/2010 (NED) - Mercury listing based on the DEQ report, "Analysis of Total Mercury Concentrations in Fish Samples from Jordan Creek and Non-Jordan Creek Sites" (Xin Dai and Michael Ingham, Revised November 2009). A Mercury level of 0.590 mg/kg, which exceeds the human health criterion of 0.3 mg/kg, was reported.

ID17050108SW010_04	Rock Creek - 4th order (Meadow Creek to Josephine Creek)	0.48	MILES
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Combined Biota/Habitat Bioassessments

4/18/2011 (NED) - BURP site 2003SBOIA0432 had a SFI score below minimum threshold levels, therefore DEQ automatically determines the water body as not fully supporting.

ID17050108SW014_02	Louisa Creek - entire drainage	13.82	MILES
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Sedimentation/Siltation

17050111

North And Middle Fork Boise

ID17050111SW001_02b	Montezuma Creek and Quartz Gulch	4.96	MILES
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Arsenic

12/8/2009 (HS) - Data were provided by Idaho Conservation League that show the drinking water, and contact recreation standards for Arsenic were violated 85% of the time below a 100m mixing zone on Montezuma Creek.

17050112

Boise-Mores

2012 Integrated Report: Category 5 (§303(d))

ID17050112SW004_05	Boise River - 5th order (North Fork to Arrowrock)	10.95	MILES
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Temperature, water

(HS) - Listing based on Twin Springs temperature logger data submitted to DEQ by the City of Boise.

17050113

South Fork Boise

ID17050113SW002b_04	Willow Creek - 4th order	0.93	MILES
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Combined Biota/Habitat Bioassessments

ID17050113SW004_03	Dixie and Deer Creeks - 3rd order sections	9.83	MILES
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Combined Biota/Habitat Bioassessments

ID17050113SW005L_0L	Anderson Ranch Reservoir (Boise River)	4605.37	ACRES
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Mercury

2/18/2010 (NED) - Mercury listing based on the DEQ report, "Arsenic, Mercury, and Selenium in Fish Tissue from Idaho Lakes and Reservoirs: A Statewide Assessment" (Essig and Kostermann, May 2008). A Mercury level of 0.367 mg/kg, which exceeds the human health criterion of 0.3 mg/kg, was reported.

ID17050113SW010_03a	Moore's and Big Springs Creeks - 3rd order sections	4.64	MILES
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Combined Biota/Habitat Bioassessments

ID17050113SW031_02	Fall Creek - 1st and 2nd order tributaries	84.26	MILES
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Combined Biota/Habitat Bioassessments

ID17050113SW032_03	Smith Creek - 3rd order (Mule Gulch to SF Boise River)	16.47	MILES
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Escherichia coli

17050114

Lower Boise

ID17050114SW001_02	Dixie Drain	4.88	MILES
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Temperature, water

ID17050114SW001_06	Boise River - Indian Creek to mouth	44.61	MILES
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Temperature, water

Phosphorus (Total)

2/05/2009 (NED) - Per EPA's Partial Approval/Partial Disapproval of Idaho's Final 2008 303(d) List letter dated 2/04/2009, EPA disapproved delisting of the Lower Boise River for nutrients (total phosphorus) because DEQ did not demonstrate good cause to delist, and that DEQ provided insufficient rationale to justify the exclusion of all existing and readily available data. EPA subsequently took public comment on this reversal that ended May 15, 2009.

5/3/2010 (NED) - EPA concluded in their final decision letter dated October 13, 2009 that the Lower Boise River is water quality-limited and mandated that DEQ add the Lower Boise River back to the 303(d) list. Refer to the following link to review EPA's final determination on the Lower Boise River:
http://www.deq.idaho.gov/water/data_reports/surface_water/monitoring/2008.cfm#lbr_he
m

2012 Integrated Report: Category 5 (§303(d))

ID17050114SW002_04 Indian Creek - 4th order below Sugar Ave. in Nampa		11.95	MILES
Cause Unknown	1/29/2013 (NED) - This segment (WQLS 2731) was first listed for nutrients on the 1994 §303(d) list which was promulgated by EPA as part of the first TMDL lawsuit. However, when DEQ migrated to the 2002 cycle the nutrients listing was erroneously deleted. DEQ has an obligation to relist this segment for nutrients (cause unknown) since no rationale was provided that demonstrated nutrients were no longer impairing beneficial uses. Therefore, for the 2012 Integrated Report DEQ is relisting cause unknown (nutrients suspected) in Category 5 until such time that either: 1) water quality data demonstrates that beneficial uses are no longer impaired by nutrients; 2) a TMDL is developed; or 3) readily available data and information shows the original listing was made in error.		
Escherichia coli	3/23/2012 (HS) - E.coli monitoring conducted in July 2011 showed a geometric mean of 490.2 col/100mL which is greater than the 126 col/100 mL criterion value.		
Sedimentation/Siltation	The USGS (2005) and the Idaho State Department of Agriculture (ISDA) (1998-1999) collected water quality data and reported results document sediment ranges from 21 to 89 mg/L (151, 156). Sediment plumes from Indian Creek into the Boise River are visible in satellite images (pg. 35). Data from ISDA sent to DEQ in September 2009, document SSC of 25 to 120 mg/L during the irrigation season.		
ID17050114SW003a_04 Indian Creek - New York Canal to Sugar Avenue		5.61	MILES
Cause Unknown	1/29/2013 (NED) - This segment (WQLS 2731) was first listed for nutrients on the 1994 §303(d) list which was promulgated by EPA as part of the first TMDL lawsuit. This listing was then transmogrified to "cause unknown", per EPA policy. Then during the 2010 cycle, cause unknown was delisted and erroneously replaced with temperature. However, what was overlooked was that cause unknown was a place holder for nutrients. Since DEQ did not provide rationale that demonstrated that nutrients were no longer impairing beneficial uses, DEQ has an obligation to relist this segment for nutrients (cause unknown). Therefore, for the 2012 Integrated Report DEQ is relisting cause unknown (nutrients suspected) in Category 5 until such time that either: 1) water quality data demonstrates that beneficial uses are no longer impaired by nutrients; 2) a TMDL is developed; or 3) readily available data and information shows the original listing was made in error.		
ID17050114SW003d_02 Indian Creek and tribs - 1st and 2nd order above Reservoir		74.35	MILES
Escherichia coli	7/5/2012 (HS) - Bacteria data collected by DEQ in May 2012 showed a geometric mean of 1338 col/100 mL which is greater than the 126 col/100 mL criterion value.		
ID17050114SW003d_03 Indian Creek, 3rd order upstream of Indian Creek Reservoir		15.43	MILES
Temperature, water			
ID17050114SW005_02 Mill Slough and Phyllis Slough		16.84	MILES
Temperature, water	5/8/2012 (HS) - DEQ deployed a thermograph in Phyllis Slough between 4/1/11 and 10/31/11. The maximum weekly maximum temperature (between November 1 and May 30) was 15.8 C. This exceeds the 13 C water quality criterion.		
ID17050114SW005_06 Boise River - Veterans Memorial Parkway to Star Bridge		38.17	MILES
Temperature, water			
ID17050114SW005_06a Boise River-Star to Middleton		11.34	MILES
Temperature, water	(HS) - Assessment unit listed for temperature impairment based on City of Boise temperature logger data, submitted in the 2010 integrated report call for data.		
ID17050114SW005_06b Boise River-Middleton to Indian Creek		7.88	MILES
Phosphorus (Total)			
Temperature, water	(HS) - Assessment unit listed for temperature impairment based on City of Boise temperature logger data, submitted in the 2010 integrated report call for data.		

2012 Integrated Report: Category 5 (§303(d))

ID17050114SW006_02 Mason Creek - entire watershed		29.83	MILES
Sedimentation/Siltation			
Temperature, water	(HS) - Temperature impairment added based upon data submitted by City of Boise.		
Chlorpyrifos	1/31/10 (HS) - According to the 'Pesticide Residue Water Quality Report', Lower Boise River Tributaries (Kirk Campbell, ISDA, December 2009): "There were eight detections of chlorpyrifos with two of the detections (0.062 ug/L and 0.052 ug/L) exceeding the EPA acute (0.05 ug/L) and chronic (0.04 ug/L) guidance benchmarks for invertebrates. The presence of toxic substances in concentrations that impair beneficial uses is a violation of Idaho's narrative standard for toxic substances.		
Malathion	3/22/2012 (HS) - Mason Creek is impaired due to presence of toxic substances in concentrations that impair beneficial uses (IDAPA 58.01.02.200.02). The toxin of concern is malathion, which was found at level that exceeds EPA's Aquatic Life Benchmarks for acute toxicity to aquatic life. The Aquatic Life Benchmarks are based on toxicity values reviewed by EPA and used in the EPA's most recent risk assessments developed as part of the decision making process for pesticide registration. Each Aquatic Benchmark is based on the most sensitive, scientifically acceptable toxicity endpoint available to EPA for a given taxon. Malathion was detected once by ISDA sampling in 2011 and exceeded the acute Aquatic Life Benchmark by a factor of 2.3. (Source: ISDA Technical Report Summary W-42: Pesticide Residue Evaluation for Mason Creek, Noble Drain, Solomon Drain and Purdum Drain 2011).		
Escherichia coli	3/7/2013 (HS) - USGS and ISDA collected E. coli samples from Mason Creek in June and July 1999. The geometric mean was 709 col/100 mL, which is greater than the 126 col/100 mL criterion value, therefore the recreational use of this water body is considered impaired by bacteria.		
Cause Unknown	Nutrients suspected impairment.		
ID17050114SW007_04 Fifteenmile Creek - 4th order (Fivemile Creek to mouth)		3.74	MILES
Chlorpyrifos	1/13/2010 (Hawk Stone) - According to the 'Pesticide Residue Water Quality Report', Lower Boise River Tributaries (Kirk Campbell, ISDA, December 2009): "The highest detection of chlorpyrifos (0.053 ug/L) exceeded both the EPA acute (0.05 ug/L) and chronic (0.04 ug/L) guidance benchmarks for invertebrates. Chlorpyrifos also had a detection of 0.044 ug/L, which exceeded the chronic invertebrate benchmark. The presence of toxic substances in concentrations that impair beneficial uses is a violation of Idaho's narrative standard for toxic substances.		
Escherichia coli	3/7/2012 (HS) - Bacteria data collected by DEQ in July 2011 showed a geometric mean of 748.3 col/100 mL which is greater than the 126 col/100 mL criterion value.		
Sedimentation/Siltation	Data collected by USGS in 2005 document SSC between 54 and 97 mg/L (pg. 151). 2008 ISDA data document irrigation season SSC between 28 and 91 mg/L (pg.161-162). Susan Beattie		

2012 Integrated Report: Category 5 (§303(d))

ID17050114SW008_03	Tenmile Creek - 3rd order below Blacks Creek Reservoir	29.48	MILES
Cause Unknown	<p>1/29/2013 (NED) - This segment (WQLS 2736) was first listed for nutrients on the 1994 §303(d) list which was promulgated by EPA as part of the first TMDL lawsuit. Then during the 2010 cycle, it was determined that sediment was the cause of the biological impairment and cause unknown was delisted. However, what was overlooked was that cause unknown was a place holder for nutrients. Since DEQ did not provide rationale that demonstrated that nutrients were no longer impairing beneficial uses, DEQ has an obligation to relist this segment for nutrients (cause unknown). Therefore, for the 2012 Integrated Report DEQ is relisting cause unknown (nutrients suspected) in Category 5 until such time that either: 1) water quality data demonstrates that beneficial uses are no longer impaired by nutrients; 2) a TMDL is developed; or 3) readily available data and information shows the original listing was made in error.</p>		
Chlorpyrifos	<p>3/22/2012 (HS) - Tenmile Creek is impaired due to presence of toxic substances in concentrations that impair beneficial uses (IDAPA 58.01.02.200.02). The toxin of concern is chlorpyrifos, which was found at a level that exceeds EPA's Aquatic Life Benchmarks for acute toxicity to aquatic life.</p> <p>The Aquatic Life Benchmarks are based on toxicity values reviewed by EPA and used in the EPA's most recent risk assessments developed as part of the decision making process for pesticide registration. Each Aquatic Benchmark is based on the most sensitive, scientifically acceptable toxicity endpoint available to EPA for a given taxon.</p> <p>Chlorpyrifos was detected six times by ISDA sampling in 2011, and at its highest concentration, exceeded the acute Aquatic Life Benchmark by a factor of 1.42. (Source: ISDA Technical Report Summary W-43: Pesticide Residue Evaluation for Fifteenmile Creek Tenmile Creek, and Fivemile Creek 2011).</p> <p>3/7/2012 (HS) - Bacteria data collected by DEQ in July 2011 showed a geometric mean of 699.5 col/100 mL which is greater than the 126 col/100 mL criterion value.</p> <p>DEQ attempted to do a Use Attainability Analysis (UAA) in 2002 to establish a modified use for this segment. Tenmile Creek was designated in the Idaho Water Quality Standards for cold water biota and primary contact recreation. Recognizing that cold water biota and secondary contact recreation may not be appropriate beneficial uses for highly regulated and irrigation driven systems, the lower Boise Watershed Advisory Group commissioned a consultant to perform a beneficial use evaluation for Tenmile Creek to characterize the appropriate beneficial uses and submitted it to DEQ. The analysis showed that a modified aquatic life use accurately defines the best attainable conditions in the stream. The modified aquatic life use describes streams that are limited in aquatic life diversity due to factors such as ephemeral or intermittent flow, naturally occurring pollutant levels or long-standing hydrologic modification.</p> <p>EPA subsequently disapproved the UAA for modified use and approved the secondary contact recreation change. With this in mind, a sediment TMDL will be prepared based on available resources and given a priority for completion.</p>		
Escherichia coli			
Sedimentation/Siltation			

2012 Integrated Report: Category 5 (§303(d))

ID17050114SW009_03	Blacks Creek - 3rd order	7.12	MILES
Temperature, water	<p>5/1/2012 (HS) - The impairment listing was based upon a failing 1998 BURP survey. However, this section of Blacks Creek is intermittent. It is most likely that the BURP site failed because of this intermittency - the metrics are not designed for intermittent streams. With our current methods and field manual, this site would probably never have been monitored.</p>		
	<p>It was possible, though, that the impairment was genuine, and based on field visits and knowledge of the area, would have been caused by temperature or sedimentation. To discount this possibility, DEQ's Boise Region conducted a sediment survey and deployed a thermograph.</p>		
	<p>SEDIMENT SURVEY In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.</p>		
	<p>The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.</p>		
	<p>DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 90% stable. This indicates that erosion is minimal and that the assessment unit is not impaired by sediment.</p>		
	<p>Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.</p>		
	<p>THERMOGRAPH The stream has been listed for temperature, pending results. This serves to show that biota and sediment are not impairing the stream, and that temperature is the only remaining possible cause.</p>		
ID17050114SW010_02	Fivemile, Eightmile, and Ninemile Creeks - 1st and 2nd order	65	MILES
Escherichia coli	<p>3/7/2012 (HS) - Bacteria data collected by DEQ in July 2011 showed a geometric mean of 708.8 col/100 mL which is greater than the 126 col/100 mL criterion value.</p>		

2012 Integrated Report: Category 5 (§303(d))

ID17050114SW010_03 Fivemile Creek - 3rd order		22.61	MILES
Sedimentation/Siltation	(Susan Beattie) - Data collected by USGS in 2005 document SSC between 54 and 97 mg/L (pg. 151). 2008 ISDA data document irrigation season SSC between 28 and 91 mg/L (pg.161-162).		
Cause Unknown	1/29/2013 (NED) - This segment (WQLS 2734) was first listed for nutrients on the 1994 §303(d) list which was promulgated by EPA as part of the first TMDL lawsuit. This listing was then transmogrified to "cause unknown", per EPA policy. Then during the 2010 cycle, it was determined that sediment was the cause of the biological impairment and cause unknown was delisted. However, what was overlooked was that cause unknown was a place holder for nutrients. Since DEQ did not provide rationale that demonstrated that nutrients were no longer impairing beneficial uses, DEQ has an obligation to relist this segment for nutrients (cause unknown). Therefore, for the 2012 Integrated Report DEQ is relisting cause unknown (nutrients suspected) in Category 5 until such time that either: 1) water quality data demonstrates that beneficial uses are no longer impaired by nutrients; 2) a TMDL is developed; or 3) readily available data and information shows the original listing was made in error.		
Chlorpyrifos	<p>3/22/2012 (HS) - Fivemile Creek is impaired due to presence of toxic substances in concentrations that impair beneficial uses (IDAPA 58.01.02.200.02). The toxin of concern is chlorpyrifos, which was found at level that exceeds EPA's Aquatic Life Benchmarks for acute toxicity to aquatic life.</p> <p>The Aquatic Life Benchmarks are based on toxicity values reviewed by EPA and used in the EPA's most recent risk assessments developed as part of the decision making process for pesticide registration. Each Aquatic Benchmark is based on the most sensitive, scientifically acceptable toxicity endpoint available to EPA for a given taxon.</p> <p>Chlorpyrifos was detected four times by ISDA sampling in 2011, and at its highest concentration, exceeded the acute Aquatic Life Benchmark by a factor of 1.36. (Source: ISDA Technical Report Summary W-43: Pesticide Residue Evaluation for Fifteenmile Creek Tenmile Creek, and Fivemile Creek 2011).</p>		
Escherichia coli	3/7/2012 (HS) - The geometric mean collected in July 2011 was 767.6 col/100mL which is greater than the 126 col/100 mL criterion value.		
ID17050114SW011a_06 Boise River - Diversion Dam to Veterans Memorial Parkway		22.54	MILES
Temperature, water			
ID17050114SW015_02 Willow Creek - 1st and 2nd order		77.73	MILES
Combined Biota/Habitat Bioassessments			
Temperature, water			
ID17050114SW015_03 Willow Creek - 3rd order		18.38	MILES
Sedimentation/Siltation	<p>(Susan Beattie) - USGS collected data in 2005 document SSC from 12 to 24 mg/L, and temperature from 13.4 to 20.2 °C (pg. 150). City of Boise collected temperature data in 2004 and data in July record temperatures a one-time high of 25.8 °C and on one day (7/19) an average of 23.8 °C. (pg. 265-275), all other days within criteria for MOD (Seasonal COLD). ISDA collected data in 2001 document TSS from 4 to 196 mg/L with an annual average of 34.9 mg/L. This is above the threshold of 20 mg/L identified as supporting COLD uses in the lower Boise TMDL technical appendices (1999). Temperature is documented from 3.2 to 20.4 °C. The data indicate impairment by sediment using the rationale for COLD use support established in the lower Boise TMDL technical appendices and other approved TMDLs.</p>		
ID17050114SW016_03 Sand Hollow Creek (C-Line Canal to I-84)		5.59	MILES
Sedimentation/Siltation			
Cause Unknown	Nutrients Suspected ImpairmentLow DO due to suspected Organic Enrichment		

2012 Integrated Report: Category 5 (§303(d))

ID17050114SW017_03	Sand Hollow Creek - I-84 to Sharp Road	18.25	MILES
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Sedimentation/Siltation

Escherichia coli

5/8/2012 (HS) - The geometric mean that was collected in July 2010 was 573.4 col/100mL which is greater than the 126 col/100 mL criterion value.

ID17050114SW017_06	Sand Hollow Creek - Sharp Road to Snake River	3.67	MILES
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Sedimentation/Siltation

Cause Unknown

3/7/2012 (Hawk Stone) - DEQ proposed to delist Sand Hollow Creek for 'cause unknown (nutrients suspected impairment)'. However, EPA's 2010 public comments said that the rationale was insufficient. Hence, this AU has been 're-listed' for 'cause unknown'.

Escherichia coli

5/18/2012 (HS) - The six-sample geometric mean collected in July 2010 was 668.9 col/100mL which is greater than the 126 col/100 mL criterion value.

17050120 South Fork Payette

ID17050120SW001_02	SF Payette River - 1st and 2nd order:Lowman to Garden Valley	115.81	MILES
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Combined Biota/Habitat Bioassessments

ID17050120SW001_02a	SF Payette River: 1st and 2nd order: Lowman to Grandjean	110.24	MILES
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Combined Biota/Habitat Bioassessments

17050122 Payette

ID17050122SW001_06	Payette River - Black Canyon Reservoir Dam to mouth	66.84	MILES
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Temperature, water

ID17050122SW002_02	Tributaries to Black Canyon Reservoir	18.13	MILES
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Escherichia coli

ID17050122SW012_03	Soldier Creek - 3rd order	2.02	MILES
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Sedimentation/Siltation

ID17050122SW018_04	Little Willow Creek - Indian Creek to mouth	15.46	MILES
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Sedimentation/Siltation

17050123 North Fork Payette

ID17050123SW006_02	Beaver Creek - 1st and 2nd order	19.3	MILES
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Combined Biota/Habitat Bioassessments

ID17050123SW008_05	Gold Fork - upper 5th order, above Gold Fork Ditch	2.61	MILES
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Sedimentation/Siltation

ID17050123SW011_03	Boulder Creek - 3rd order (Louie Creek to mouth)	11.55	MILES
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Temperature, water

ID17050123SW012_02	Lake Fork below Little Payette Lake - 1st and 2nd order	12.13	MILES
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Combined Biota/Habitat Bioassessments

2012 Integrated Report: Category 5 (§303(d))

ID17050123SW015_02	Mud Creek - 1st and 2nd order	25.62	MILES
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Escherichia coli

ID17050123SW015_03	Mud Creek - 3rd order (Norwood to Reservoir)	7.15	MILES
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Escherichia coli

Bacteria sample at BURP site exceeded the cut-off for repeat sampling, so six further samples were taken. Additionally, DEQ's Cascade Satellite Office took bacteria samples on three occasions. The geometric mean of all samples taken from 6/18/02 through 9/23/02 was 316 col/100 mL, a violation of the bacteria standard of 126 col/100 mL. Cows were seen grazing at or near the bacteria sample site.

ID17050123SW017L_0L	Payette Lake	4986.89	ACRES
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Mercury

2/18/2010 (NED) - Mercury listing based on the DEQ report, "Arsenic, Mercury, and Selenium in Fish Tissue from Idaho Lakes and Reservoirs: A Statewide Assessment" (Essig and Kostermann, May 2008). A Mercury level of 0.305 mg/kg, which exceeds the human health criterion of 0.3 mg/kg, was reported.

17050124

Weiser

ID17050124SW012_02	Grays Creek - 1st and 2nd order	45.7	MILES
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Escherichia coli

4/26/2012 (HS) - Bacteria samples collected during August and September 2011 showed a geometric mean of 1052.5 col/100 mL which is greater than the 126 col/100 mL criterion value.

ID17050124SW012_03	Grays Creek - 3rd order (Sucker Creek to mouth)	3.76	MILES
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Escherichia coli

4/26/2012 (HS) - Bacteria samples collected during August and September 2011 showed a geometric mean of 1014.2 col/100 mL which is greater than the 126 col/100 mL criterion value.

ID17050124SW014_03	Middle Fork Weiser River - lower 3rd order (rangeland)	8.67	MILES
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Escherichia coli

Fishes Bioassessments

ID17050124SW025_03	Rush Creek - 3rd order (Beaver Creek to mouth)	6.29	MILES
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Combined Biota/Habitat Bioassessments

ID17050124SW028_03	Hopper, Deer and Keithly Creeks - 3rd order	4.99	MILES
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Combined Biota/Habitat Bioassessments

ID17050124SW028_04	Keithly Creek - 4th order (Deer Creek to mouth)	1.82	MILES
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Combined Biota/Habitat Bioassessments

ID17050124SW030_03	Mann Creek - 3rd order	17.67	MILES
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Escherichia coli

ID17050124SW033_03	Monroe Creek - 3rd order	15.42	MILES
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Combined Biota/Habitat Bioassessments

17050201

Brownlee Reservoir

2012 Integrated Report: Category 5 (§303(d))

ID17050201SW001_08	Snake River - Hells Canyon Reservoir	2510.21	ACRES
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Mercury

2/18/2010 (NED) - Mercury listing based on the DEQ report, "Arsenic, Mercury, and Selenium in Fish Tissue from Idaho Lakes and Reservoirs: A Statewide Assessment" (Essig and Kostermann, May 2008). A Mercury level of 0.522 mg/kg, which exceeds the human health criterion of 0.3 mg/kg, was reported.

ID17050201SW003_02	Tributaries to Snake River - 1st and 2nd order	106.82	MILES
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Combined Biota/Habitat Bioassessments

ID17050201SW003_08	Lower Brownlee Reservoir (Porters Flat to Brownlee Dam)	13193.87	ACRES
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Mercury

(H. Stone) - Mercury listing based on the DEQ reports "Arsenic, Mercury, and Selenium in Fish Tissue from Idaho Lakes and Reservoirs: A Statewide Assessment" Essig and Kostermann, May 2008) and "Brownlee Reservoir Mercury TMDL Fish Tissue Study, Results and Field Summary".

ID17050201SW005_02	Jenkins Creek - entire watershed	22.74	MILES
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Chlorpyrifos

3/22/2012 (HS) - Jenkins Creek is impaired due to presence of toxic substances in concentrations that impair beneficial uses (IDAPA 58.01.02.200.02). The toxin of concern is chlorpyrifos, which was found at level that exceeds EPA's Aquatic Life Benchmarks for acute toxicity to aquatic life.

The Aquatic Life Benchmarks are based on toxicity values reviewed by EPA and used in the EPA's most recent risk assessments developed as part of the decision making process for pesticide registration. Each Aquatic Benchmark is based on the most sensitive, scientifically acceptable toxicity endpoint available to EPA for a given taxon.

Chlorpyrifos was detected six times by ISDA sampling in 2007, and at its highest concentration, exceeded the acute Aquatic Life Benchmark by a factor of 1.36. (Source: ISDA Technical Report Summary W-20: Evaluation of Pesticide Residues Within Weiser Flat, Weiser, Idaho, December 2007).

Escherichia coli

3/7/2013 (HS) - Five sample geometric mean collected by DEQ in July 2011 was 564.1 col/100 mL, which is greater than the 126 col/100 mL criterion value, therefore the recreational use of this water body is considered impaired by bacteria.

ID17050201SW006_03	Scott Creek - 3rd order	14.39	MILES
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Methyl Parathion

3/22/2012 (HS) - Scott Creek is impaired due to presence of toxic substances in concentrations that impair beneficial uses (IDAPA 58.01.02.200.02). The toxin of concern is methyl parathion, which was found at level that exceeds EPA's Aquatic Life Benchmarks for acute toxicity to aquatic life.

The Aquatic Life Benchmarks are based on toxicity values reviewed by EPA and used in the EPA's most recent risk assessments developed as part of the decision making process for pesticide registration. Each Aquatic Benchmark is based on the most sensitive, scientifically acceptable toxicity endpoint available to EPA for a given taxon.

Methyl parathion was detected once by ISDA sampling in 2007, and at its highest concentration, exceeded the acute Aquatic Life Benchmark by a factor of 1.37. (Source: ISDA Technical Report Summary W-20: Evaluation of Pesticide Residues Within Weiser Flat, Weiser, Idaho, December 2007).

Escherichia coli

3/7/2013 (HS) - Five sample geometric mean collected by DEQ in July 2011 was 893.2 col/100 mL, which is greater than the 126 col/100 mL criterion value, therefore the recreational use of this water body is considered impaired by bacteria.

2012 Integrated Report: Category 5 (§303(d))

ID17050201SW007_03 Warm Springs Creek - 3rd order		5.3	MILES
Methyl Parathion	<p>3/22/2012 (HS) - Warm Springs Creek is impaired due to presence of toxic substances in concentrations that impair beneficial uses (IDAPA 58.01.02.200.02). The toxins of concern are methyl parathion and methomyl, which were found at levels that exceed EPA's Aquatic Life Benchmarks for acute toxicity to aquatic life.</p> <p>The Aquatic Life Benchmarks are based on toxicity values reviewed by EPA and used in the EPA's most recent risk assessments developed as part of the decision making process for pesticide registration. Each Aquatic Benchmark is based on the most sensitive, scientifically acceptable toxicity endpoint available to EPA for a given taxon.</p> <p>Methyl parathion was detected once by ISDA sampling in 2007, exceeded the acute Aquatic Life Benchmark by a factor of 5.7.</p> <p>Methomyl was detected five times by ISDA sampling in 2007, and at its highest concentration, exceeded the acute Aquatic Life Benchmark by a factor of 1.3. It was not given a separate 303(d) listing because it was not available as a 'cause' in ADB.</p> <p>(Source: ISDA Technical Report Summary W-20: Evaluation of Pesticide Residues Within Weiser Flat, Weiser, Idaho, December 2007).</p>		
Escherichia coli	<p>3/7/2013 (HS) - Five sample geometric mean collected by DEQ in July 2011 was 830.5 col/100 mL, which is greater than the 126 col/100 mL criterion value, therefore the recreational use of this water body is considered impaired by bacteria.</p>		

ID17050201SW008_02 Hog Creek - 1st & 2nd order		34.41	MILES
Escherichia coli			
ID17050201SW008_03 Hog Creek - 3rd order section		2.9	MILES
Escherichia coli	<p>3/7/2013 (HS) - Five sample geometric mean collected by DEQ in July 2011 was 220 col/100 mL, which is greater than the 126 col/100 mL criterion value, therefore the recreational use of this water body is considered impaired by bacteria.</p>		
ID17050201SW010_02 Rock Creek and Tributaries - 1st and 2nd order		62.98	MILES
Escherichia coli	<p>4/26/2012 (HS) - Bacteria samples collected during August and September 2011 showed a geometric mean of 2145.5 col/100mL which is greater than the 126 col/100 mL criterion value.</p>		
ID17050201SW010_03 Rock, Little Rock and Henley Creeks - 3rd order sections		7.31	MILES
Escherichia coli	<p>4/26/2012 (HS) - Bacteria samples collected during August and September 2011 showed a geometric mean of 662 col/100mL which is greater than the 126 col/100 mL criterion value.</p>		
ID17050201SW010_04 Rock Creek - 4th order		4.82	MILES
Combined Biota/Habitat Bioassessments			

Upper Snake

17040104 Palisades

ID17040104SK001_02 Snake River - Black Canyon Creek to river mile 856		48.33	MILES
Combined Biota/Habitat Bioassessments			
ID17040104SK008_02 Snake River - Palisades Reservoir Dam to Fall Creek		77.68	MILES
Combined Biota/Habitat Bioassessments			
Sedimentation/Siltation			

2012 Integrated Report: Category 5 (§303(d))

ID17040104SK011_02	Bear Creek - North Fork Bear Creek to Palisades Reservoir	35.61	MILES
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Combined Biota/Habitat Bioassessments

ID17040104SK013_03	Bear Creek - source to North Fork Bear Creek	6.75	MILES
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Combined Biota/Habitat Bioassessments

ID17040104SK020_03	Iowa Creek - source to mouth	2.32	MILES
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Combined Biota/Habitat Bioassessments

ID17040104SK022_02	Trout Creek - source to mouth	8.34	MILES
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Sedimentation/Siltation

ID17040104SK024_04	Indian Creek - Idaho/Wyoming border to Palisades Reservoir	2.21	MILES
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Combined Biota/Habitat Bioassessments

ID17040104SK028_04	Rainey Creek - source to mouth	12.45	MILES
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Combined Biota/Habitat Bioassessments

Escherichia coli

ID17040104SK029_03	Pine Creek - source to mouth	16.16	MILES
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Cause Unknown

ID17040104SK030_02	Black Canyon Creek - source to mouth	7.08	MILES
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Sedimentation/Siltation

17040105 Salt

ID17040105SK001_02b	Newswander Canyon	4.97	MILES
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Sedimentation/Siltation

ID17040105SK002_02c	Cabin Creek	3.01	MILES
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Sedimentation/Siltation

ID17040105SK003_02	Tincup Creek - source to Idaho/Wyoming border	58.55	MILES
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Sedimentation/Siltation

ID17040105SK003_02a	Rich Creek	1.5	MILES
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Habitat Assessment (Streams)

Cause Unknown

ID17040105SK003_02b	Whiskey Creek	1.55	MILES
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Combined Biota/Habitat Bioassessments

ID17040105SK003_02c	Lau Creek	2.03	MILES
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Habitat Assessment (Streams)

Cause Unknown

2012 Integrated Report: Category 5 (§303(d))

ID17040105SK003_02d	Houtz Creek	1.13	MILES
Cause Unknown			
ID17040105SK003_02e	Bear Canyon	3.11	MILES
Escherichia coli			
ID17040105SK003_02g	Chicken Creek	1.59	MILES
Combined Biota/Habitat Bioassessments			
ID17040105SK003_02i	Luthi Canyon	4.3	MILES
Combined Biota/Habitat Bioassessments			
ID17040105SK003_02j	Haderlie Creek	8.65	MILES
Sedimentation/Siltation			
ID17040105SK006_02c	Upper Boulder Creek	4.68	MILES
Cause Unknown		This segment of upper Boulder Creek is short and most of the degradation appears to be an artifact of historical grazing practices. There may not be enough natural energy and flow in this segment to provide a flushing effect for sediment deposition, as it originates from wetland seepage in relatively flat terrain. Although grazing still persists, little can be done in the way of management to restore or provide support for beneficial use (CWAL or SS). The segment immediately downstream is much longer and intermittent, thus this upper portion is relatively isolated from the main Boulder Creek system most of the time. TMDL establishment is probably inappropriate as the perennial, channelized portion of this segment is approximately 1/4 mile in length.	
ID17040105SK006_02d	west fork Boulder Creek	3.18	MILES
Cause Unknown			
ID17040105SK006_02f	White Canyon	3.2	MILES
Sedimentation/Siltation			
ID17040105SK006_02g	Graehl Canyon	1.4	MILES
Combined Biota/Habitat Bioassessments			
ID17040105SK006_04	lower Stump Creek	10.45	MILES
Sedimentation/Siltation			
ID17040105SK007_02c	Smoky Creek	10.79	MILES
Escherichia coli			
Sedimentation/Siltation			
ID17040105SK007_02f	Draney Creek	6.86	MILES
Sedimentation/Siltation			
Fecal Coliform			
ID17040105SK007_02g	Roberts Creek	5.58	MILES
Combined Biota/Habitat Bioassessments			
ID17040105SK007_03	Tygee Creek - source to mouth	5.98	MILES
Sedimentation/Siltation			

2012 Integrated Report: Category 5 (§303(d))

ID17040105SK008_02	Crow Creek - source to Idaho/Wyoming border	64.98	MILES
Escherichia coli			
ID17040105SK008_02a	White Dugway Creek	5.3	MILES
Combined Biota/Habitat Bioassessments			
ID17040105SK008_02c	Beaver Dam Creek	5.11	MILES
Sedimentation/Siltation			
ID17040105SK008_02d	Crow Creek	6.79	MILES
Escherichia coli			
ID17040105SK008_03b	Crow Creek	7.47	MILES
Escherichia coli Did not meet state WQS for SCR in 2008.			
ID17040105SK008_04	Crow Creek - Deer Creek to border	10.43	MILES
Escherichia coli			
Sedimentation/Siltation			
ID17040105SK009_02	North Fork Sage Creek	12.43	MILES
Selenium			
ID17040105SK009_02c	Sage Creek	1.81	MILES
Combined Biota/Habitat Bioassessments			
ID17040105SK009_02d	Pole Canyon Creek	3.62	MILES
Selenium			
ID17040105SK009_02e	South Fork Sage Creek	7.95	MILES
Combined Biota/Habitat Bioassessments 1/20/10 - Added based on failing BURP score in 2006.			
Selenium Listing based on May 24, 2007 "Supplemental Surface Water Monitoring Data Transmittal" from Newfields.			
ID17040105SK009_03	Sage Creek - confluence with North Fork Sage Creek to mouth	3.22	MILES
Selenium			
ID17040105SK010_02a	South Fork Deer Creek	11.71	MILES
Sedimentation/Siltation			
ID17040105SK011_03	Rock Creek	3.44	MILES
Combined Biota/Habitat Bioassessments			
ID17040105SK012_02a	Little Elk Creek	8.38	MILES
Combined Biota/Habitat Bioassessments			
ID17040105SK012_03	Spring Creek	1.22	MILES
Combined Biota/Habitat Bioassessments			

17040201

Idaho Falls

2012 Integrated Report: Category 5 (§303(d))

ID17040201SK007_02	Crow Creek - source to Willow Creek	9.46	MILES
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Sedimentation/Siltation

ID17040201SK013_02	Snake River - river mile 856 to Dry Bed Creek	20.39	MILES
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Combined Biota/Habitat Bioassessments

17040202 Upper Henrys

ID17040202SK022_02	Moose Creek - source to confluence with Henrys Fork	18.97	MILES
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Combined Biota/Habitat Bioassessments

ID17040202SK025_02	Henrys Lake Outlet - Henrys Lake Dam to mouth	33.55	MILES
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Combined Biota/Habitat Bioassessments

ID17040202SK030_02	Twin Creek - source to mouth	8.55	MILES
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Combined Biota/Habitat Bioassessments

ID17040202SK035_03	Timber Creek - source to mouth	3.37	MILES
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Escherichia coli

17040203 Lower Henrys

ID17040203SK007_02	Conant Creek - Idaho/Wyoming border to mouth	45.26	MILES
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Combined Biota/Habitat Bioassessments

ID17040203SK007_03	Conant Creek - Idaho/Wyoming border to mouth	19.42	MILES
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Combined Biota/Habitat Bioassessments

ID17040203SK013_04	Sand Creek - Pine Creek to mouth	9.95	MILES
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Combined Biota/Habitat Bioassessments

17040204 Teton

ID17040204SK006_02	South Fork Moody Creek - source to mouth	19.99	MILES
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Sedimentation/Siltation

ID17040204SK007_02	North Fork Moody Creek - source to mouth	26.37	MILES
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Fecal Coliform

ID17040204SK011_02	Warm Creek - source to mouth	5.78	MILES
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Combined Biota/Habitat Bioassessments

Fecal Coliform

ID17040204SK034_02	Warm Creek - source to mouth	17.6	MILES
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Combined Biota/Habitat Bioassessments

Fecal Coliform

2012 Integrated Report: Category 5 (§303(d))

ID17040204SK046_02	Dick Creek spring complex	3.59	MILES
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Combined Biota/Habitat Bioassessments

ID17040204SK049_02	Driggs Springs spring creek complex - located between Teton	4.94	MILES
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Escherichia coli

ID17040204SK050_02	Woods Creek	5.41	MILES
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Escherichia coli

17040205

Willow

ID17040205SK005_02	Willow Creek - Birch Creek to Bulls Fork	57.43	MILES
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Combined Biota/Habitat Bioassessments

Escherichia coli

ID17040205SK005_04	Willow Creek - Birch Creek to Bulls Fork	2.47	MILES
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Temperature, water

ID17040205SK008_02	Willow Creek - Mud Creek to Birch Creek	27.78	MILES
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Combined Biota/Habitat Bioassessments

Escherichia coli

ID17040205SK008_04	Willow Creek - Mud Creek to Birch Creek	9.2	MILES
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Temperature, water

ID17040205SK009_02	Mud Creek - source to mouth	9.76	MILES
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Combined Biota/Habitat Bioassessments

ID17040205SK019_04	Grays Lake outlet - Brockman Creek to Homer Creek	12.58	MILES
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Combined Biota/Habitat Bioassessments

ID17040205SK021_02	Grays Lake - Order 1 & 2 tributaries	96.77	MILES
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Combined Biota/Habitat Bioassessments

ID17040205SK024_02	Brockman Creek - Corral Creek to mouth	20.03	MILES
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Escherichia coli

ID17040205SK030_02	Bulls Fork - source to mouth	23.4	MILES
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Combined Biota/Habitat Bioassessments

17040206

American Falls

ID17040206SK001L_0L	American Falls Reservoir (Snake River)	55509.29	ACRES
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Oxygen, Dissolved

Sedimentation/Siltation

Nutrient/Eutrophication Biological Indicators

2012 Integrated Report: Category 5 (§303(d))

ID17040206SK002_02	Bannock Creek - source to American Falls Reservoir	242.16	MILES
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Fecal Coliform

ID17040206SK002_03	Bannock Creek - source to American Falls Reservoir	14.26	MILES
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Escherichia coli

ID17040206SK002_04	Bannock Creek - source to American Falls Reservoir	10	MILES
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Fecal Coliform

ID17040206SK002_05	Bannock Creek - source to American Falls Reservoir	21.3	MILES
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Fecal Coliform

ID17040206SK010_02	Rattlesnake Creek - source to mouth	53.37	MILES
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Escherichia coli

ID17040206SK010_02b	Rattlesnake Creek	1.09	MILES
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Escherichia coli

ID17040206SK010_03	Rattlesnake Creek - source to mouth	9.96	MILES
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Escherichia coli

ID17040206SK010_04	Rattlesnake Creek - lower	5.38	MILES
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Escherichia coli

ID17040206SK022_04	Snake River	110.42	MILES
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Mercury

03/16/2010 (NED) - Mercury listing based on the DEQ report, "Arsenic, Mercury, and Selenium in Fish Tissue and Water from Idaho's Major Rivers: A Statewide Assessment" (Essig, October 2009). A Mercury level of 0.317 mg/kg, which exceeds the human health criterion of 0.3 mg/kg, was reported.

17040207

Blackfoot

ID17040207SK002_02b	Deadman Creek	5.17	MILES
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Sedimentation/Siltation

ID17040207SK005_02	Grave Creek - source to mouth	14.39	MILES
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Sedimentation/Siltation

ID17040207SK005_02a	Grave Creek	3.95	MILES
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Sedimentation/Siltation

ID17040207SK005_02b	Warbonnet Creek	6.21	MILES
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Escherichia coli

Sedimentation/Siltation

ID17040207SK005_02c	Wood Creek	3.19	MILES
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Sedimentation/Siltation

2012 Integrated Report: Category 5 (§303(d))

ID17040207SK005_02d	Coyote Creek	1.23	MILES
Sedimentation/Siltation			
ID17040207SK005_02e	Sunday Creek	5.28	MILES
Sedimentation/Siltation			
ID17040207SK005_03	Grave Creek - West Creek to Blackfoot River	5.47	MILES
Sedimentation/Siltation			
ID17040207SK006_02	Corral Creek - Headwaters and unnamed tributaries	40.6	MILES
Escherichia coli			
ID17040207SK006_02a	Chicken Creek - headwaters to Corral Creek	6.41	MILES
Sedimentation/Siltation			
ID17040207SK006_02b	Bear Creek - headwaters to Corral Creek	3.85	MILES
Sedimentation/Siltation			
ID17040207SK006_03	Corral Creek - middle	9.22	MILES
Escherichia coli			
ID17040207SK006_04	Corral Creek - lower	6.6	MILES
Escherichia coli			
ID17040207SK007_02a	Sawmill Creek - headwaters to Grizzly Creek	7.46	MILES
Escherichia coli 2/22/10 = Did not meet state WQS for SCR in 2007.			
ID17040207SK008_02	Thompson Creek - upper	10.69	MILES
Sedimentation/Siltation			
Escherichia coli 2/22/10 = Did not meet state WQS for SCR in 2007.			
ID17040207SK008_03	Thompson Creek - source to mouth	2.31	MILES
Escherichia coli Did not meet state WQS for SCR in 2007.			
ID17040207SK009_02a	Collett Creek - headwaters to Blackfoot Reservoir	3.98	MILES
Sedimentation/Siltation			
Escherichia coli 2/22/10 = Did not meet state WQS for SCR in 2007.			
ID17040207SK009_02b	Poison Creek	8.81	MILES
Escherichia coli			
Sedimentation/Siltation			
ID17040207SK009_03	Little Blackfoot River	7.66	MILES
Sedimentation/Siltation			

2012 Integrated Report: Category 5 (§303(d))

ID17040207SK010_02a State Land Creek - headwaters to Blackfoot River	9.07	MILES
Sedimentation/Siltation		
Selenium		
Se listed based on DEQ data. See DEQ 2006. Selenium Project Southeast Idaho Phosphate Mining Resource Area.		
ID17040207SK010_04 Blackfoot River - headwaters to Slug Creek	13.82	MILES
Oxygen, Dissolved		
Selenium		
Temperature, water		
ID17040207SK010_05 Blackfoot River	20.72	MILES
Oxygen, Dissolved		
Temperature, water		
Selenium		
Se listed based on DEQ data. See DEQ 2006. Selenium Project Southeast Idaho Phosphate Mining Resource Area.		
ID17040207SK012_02a upper Johnson Creek	4.85	MILES
Combined Biota/Habitat Bioassessments		
ID17040207SK012_02b Goodheart Creek	7.55	MILES
Sedimentation/Siltation		
Selenium		
Se listed based on DEQ data. See DEQ 2006. Selenium Project Southeast Idaho Phosphate Mining Resource Area.		
ID17040207SK012_03a lower Johnson Creek	2.91	MILES
Combined Biota/Habitat Bioassessments		
ID17040207SK013_02a Dry Valley Creek	6.44	MILES
Selenium		
ID17040207SK013_02b Chicken Creek (tributary to Dry Valley Creek)	2.86	MILES
Selenium		
ID17040207SK013_03 Dry Valley Creek - source to mouth	4.99	MILES
Selenium		
ID17040207SK014_02 Maybe Creek - source to mouth	5.23	MILES
Selenium		
ID17040207SK015_02 Spring Creek	5.89	MILES
Escherichia coli		
Temperature, water		
Selenium		
Exceeded state WQS for SS and CWAL. See documentation in IDASA. Se listed based on DEQ 2006 data. Selenium Project Southeast Idaho Phosphate Mining Resource Area.		

2012 Integrated Report: Category 5 (§303(d))

ID17040207SK015_02a upper Mill Canyon		2.44	MILES
Sedimentation/Siltation			
Selenium		Se listed based on DEQ data. See DEQ 2006. Selenium Project Southeast Idaho Phosphate Mining Resource Area. Plus additional data sources.	
ID17040207SK015_02b lower Mill Canyon		1.03	MILES
Selenium			
		Se listed based on DEQ data. See DEQ 2006. Selenium Project Southeast Idaho Phosphate Mining Resource Area. Plus additional data sources.	
ID17040207SK015_03 lower Spring Creek		1.52	MILES
Escherichia coli			
Temperature, water			
		Exceeded state WQS for SS and CWAL. See documentation in IDASA.	
Selenium		Selenium listed based on DEQ 2006 data. Selenium Project Southeast Idaho Phosphate Mining Resource Area.	
ID17040207SK016_02 Diamond Creek - unnamed tributaries		41.78	MILES
Escherichia coli			
ID17040207SK016_02a upper Diamond Creek		4.43	MILES
Escherichia coli			
Temperature, water		Exceeded state WQS for SS. See documentation in IDASA.	
ID17040207SK016_03 lower Diamond Creek		19.31	MILES
Escherichia coli			
Temperature, water		Exceeded state WQS for SS. See documentation in IDASA.	
ID17040207SK016_03a middle Diamond Creek		10.63	MILES
Escherichia coli			
Temperature, water		Exceeded state WQS for SS. See documentation in IDASA.	
ID17040207SK021_02a upper Olsen Creek		3.05	MILES
Temperature, water			
		Exceeded state WQS for SS. See IDASA for documentation.	
ID17040207SK021_03 Lower Chippy Creek		4.62	MILES
Combined Biota/Habitat Bioassessments			
Sedimentation/Siltation			

2012 Integrated Report: Category 5 (§303(d))

ID17040207SK022_02	Upper Sheep Creek - headwaters and unnamed tributaries	13.48	MILES
Temperature, water			
Exceeded state WQS for CWAL and SS.			
Selenium	Sheep Creek and West Fork Sheep Creek have been added to section 5 (impaired rivers) because water samples collected in 2008 (IDEQ Area-Wide Annual sampling) from Sheep Creek exceeded the 4-day average selenium concentration criteria of 0.005 mg/l total recoverable selenium. Sheep Cr. also exceeded this criterion in May 2006 but not in May 2007. IDAPA 58.01.02.210.03.c.v. states criteria concentrations are not to be exceeded more than once in three years. These recent data suggest a criteria exceedance of twice in three years creating a water quality standards violation which meets the requirements for impaired status and listing. Wooley Valley Creek did not exceed criteria in 2008 (IDEQ Area Wide Annual sampling) and based on available data has not exceeded the water quality standard for selenium.		
ID17040207SK022_03	lower Sheep Creek	1.32	MILES
Selenium	Sheep Creek and West Fork Sheep Creek have been added to section 5 (impaired rivers) because water samples collected in 2008 (IDEQ Area-Wide Annual sampling) from Sheep Creek exceeded the 4-day average selenium concentration criteria of 0.005 mg/l total recoverable selenium. Sheep Cr. also exceeded this criterion in May 2006 but not in May 2007. IDAPA 58.01.02.210.03.c.v. states criteria concentrations are not to be exceeded more than once in three years. These recent data suggest a criteria exceedance of twice in three years creating a water quality standards violation which meets the requirements for impaired status and listing. Wooley Valley Creek did not exceed criteria in 2008 (IDEQ Area Wide Annual sampling) and based on available data has not exceeded the water quality standard for selenium.		
ID17040207SK022_03a	middle Sheep Creek	3.54	MILES
Selenium	Sheep Creek and West Fork Sheep Creek have been added to section 5 (impaired rivers) because water samples collected in 2008 (IDEQ Area-Wide Annual sampling) from Sheep Creek exceeded the 4-day average selenium concentration criteria of 0.005 mg/l total recoverable selenium. Sheep Cr. also exceeded this criterion in May 2006 but not in May 2007. IDAPA 58.01.02.210.03.c.v. states criteria concentrations are not to be exceeded more than once in three years. These recent data suggest a criteria exceedance of twice in three years creating a water quality standards violation which meets the requirements for impaired status and listing. Wooley Valley Creek did not exceed criteria in 2008 (IDEQ Area Wide Annual sampling) and based on available data has not exceeded the water quality standard for selenium.		
ID17040207SK023_02	Angus Creek - unnamed tribs	11.31	MILES
Escherichia coli			
ID17040207SK023_02a	Rasmussen Creek	6.27	MILES
Selenium	Se listing based on DEQ data. See Annual TMDL baseline monitoring reports for Se.		
ID17040207SK023_02b	upper Angus Creek - headwaters to Rasumussen Creek	7.81	MILES
Escherichia coli			
Temperature, water			
Exceeded state WQS for CWAL and SS. See IDASA for documentation.			
Selenium	Selenium listing based on 4-day average selenium water column concentration > 5 ppb during IDEQ sampling events in 2005 and 2006		
ID17040207SK023_04	Lower Angus Creek - Rasmussen Creek to Blackfoot River	3.46	MILES
Escherichia coli			
Temperature, water			
Exceeded state WQS for CWAL and SS. See documentation in IDASA.			

2012 Integrated Report: Category 5 (§303(d))

ID17040207SK025_02c	Clarks Cut - Sheep Creek to HUC boundary	2.95	MILES
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Sedimentation/Siltation

ID17040207SK025_03b	Crooked Creek	2.13	MILES
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Sedimentation/Siltation

ID17040207SK027_02	Rawlins Creek - headwaters to Horse Creek	6.22	MILES
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Sedimentation/Siltation

ID17040207SK027_02b	Poison Creek	12.1	MILES
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Escherichia coli 2/22/10 = Did not meet state WQS for SCR in 2002.

ID17040207SK027_03	Rawlins Creek - source to mouth	1.89	MILES
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Fecal Coliform

ID17040207SK029_02	Cedar Creek - source to mouth	21.56	MILES
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Escherichia coli 2/22/10 - Did not meet WQS for SCR in 2007.

ID17040207SK029_03	Cedar Creek - source to mouth	2.1	MILES
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Combined Biota/Habitat Bioassessments

Sedimentation/Siltation

Escherichia coli 2/22/10 = Did not meet WQS for SCR in 2007.

ID17040207SK031_02	Jones Creek - source to mouth	4.54	MILES
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Sedimentation/Siltation DEQ depth fine and streambank erosion inventory data collected in 2008 are below established target levels. Sediment TMDL scheduled for development.

17040208 Portneuf

ID17040208SK001_02c	Papoose Creek - headwaters to Portneuf River	3.01	MILES
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Escherichia coli Failed Idaho WQS for bacteria in 2007.

ID17040208SK001_05	Portneuf River - Marsh Creek to American Falls Reservoir	28.52	MILES
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Oxygen, Dissolved

Temperature, water

ID17040208SK002_02	City Creek - source to mouth	6.48	MILES
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Escherichia coli

ID17040208SK004_02c	South Fork Mink Creek - headwaters to Mink Creek	6.75	MILES
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Escherichia coli

ID17040208SK004_03a	Mink Creek - S. Fk to E. Fk Mink Creek	2.81	MILES
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Escherichia coli

ID17040208SK004_04a	Mink Creek	1.51	MILES
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Escherichia coli

2012 Integrated Report: Category 5 (§303(d))

ID17040208SK006_02a Arkansas Creek		2.61	MILES
Sedimentation/Siltation		IDEQ water quality sampling indicated total suspended sediment of 130 mg/L during 27 June 2006 site visit.	
Nitrogen (Total)		IDEQ water quality sampling indicates high total nitrogen (>7 mg/L) and total phosphorus mean concentrations (>0.12 mg/L)	
Phosphorus (Total)			
ID17040208SK006_03 upper middle Marsh Creek		11.12	MILES
Oxygen, Dissolved			
Temperature, water			
ID17040208SK006_03a Marsh Creek - Rt Fk to Red Rock Pass		3.78	MILES
Oxygen, Dissolved			
Temperature, water			
ID17040208SK006_04 Lower Marsh Creek		17.69	MILES
Escherichia coli			
Oxygen, Dissolved			
Temperature, water			
ID17040208SK006_04a Lower Middle Marsh Creek		19.75	MILES
Oxygen, Dissolved			
Temperature, water			
ID17040208SK010_02a upper Garden Creek - headwaters to Garden Creek Gap		9.49	MILES
Escherichia coli			
ID17040208SK013_02b Yellow Dog Creek - headwaters to Hawkins Creek		6.01	MILES
Escherichia coli			
ID17040208SK014_03 Cherry Creek - lower		1.58	MILES
Escherichia coli			
ID17040208SK014_04 Birch Creek from Cherry Creek to Marsh Creek confluences		2.74	MILES
Escherichia coli			
ID17040208SK015_03a Birch Creek - Mill Creek to I-15 road crossing		2.8	MILES
Escherichia coli			
ID17040208SK016_02b East Bob Smith Creek		6.73	MILES
Escherichia coli			
ID17040208SK016_02c West Bob Smith Creek		4.09	MILES
Escherichia coli			
ID17040208SK016_03 Portneuf River - Chesterfield Reservoir Dam to Marsh Creek		5.52	MILES
Temperature, water			

2012 Integrated Report: Category 5 (§303(d))

ID17040208SK016_04	Portneuf River - Chesterfield Reservoir Dam to Marsh Creek	2.82	MILES
Temperature, water		Based on the sonde data collected on the section of the Portneuf River upstream of Marsh Creek. Exceeded 24 days in 2004 and 25 days in 2006.	
ID17040208SK016_05	Portneuf River - 5th Order	52.84	MILES
Temperature, water			
Mercury		03/16/2010 (NED) - Mercury listing based on the DEQ report, "Upper Portneuf River Fish Tissue and Water Column Mercury Sampling Results 2007". A Mercury level of 0.396 mg/kg for Brown Trout collected from the Topez reach was reported. This result exceeds the human health criterion of 0.3 mg/kg.	
ID17040208SK017_02d	Dempsey Creek	18.44	MILES
Escherichia coli			
ID17040208SK022_03	lower Pebble Creek	6.07	MILES
Escherichia coli			
ID17040208SK022_03a	North Fork Pebble Creek	0.98	MILES
Escherichia coli			
ID17040208SK023_02e	upper Moonlight Creek	2.77	MILES
Escherichia coli			
ID17040208SK023_02f	lower Moonlight Creek	0.71	MILES
Escherichia coli			
ID17040208SK026_02a	North Fork Pocatello Creek - headwaters to Pocatello Creek	10.53	MILES
Escherichia coli		4/30/2012 (JES) - The North Fork of Pocatello Creek (ID17040208SK026_02a) was assessed in 2007 and 2002 as part of DEQ's BURP assessments in the Portneuf River subbasin, and received SHI scores of 55 and 54, respectively, indicating an intermediate habitat condition. In 2002, fines (sediment materials < 2.0 mm) represented 44.5% of the wetted substrate and an average of 5 sediment classes were detected from the three study reaches. Stable banks were documented along 95% and 100% of 100 m representative reaches in 2002 and 2007, respectively, and results from both years met the bank stability target. Bimonthly monitoring of TSS in 1999 and 2000 showed that low-flow TSS concentrations exceeded the 35 mg/L low-flow sediment (TSS) target (average 64 mg/L; IASCD 2001). Still, when the 2002 habitat summaries were combined with the SMI score, the 2002 BURP assessment indicated that North Fork of Pocatello Creek fully supports cold water aquatic life use. Moreover, 2007 estimates of bank stability met the bank stability sediment target. Combined, this evidence indicates that North Fork of Pocatello Creek should be delisted for sediment.	

17040209 Lake Walcott

ID17040209SK003_03	Marsh Creek - source to mouth	10.7	MILES
Combined Biota/Habitat Bioassessments			
ID17040209SK003_04	Marsh Creek - source to mouth	17.15	MILES
Combined Biota/Habitat Bioassessments			

2012 Integrated Report: Category 5 (§303(d))

ID17040209SK004L_0L	Lake Walcott (Snake River)	8384.71	ACRES
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Mercury

2/18/2010 (NED)- A mercury level of 0.332 mg/kg, which exceeds the human health criterion of 0.3 mg/kg, was reported for the samples of Small Mouth Bass that were collected June 2005.

ID17040209SK011_02	Snake River - American Falls Reservoir Dam to Rock Creek	31.66	MILES
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Combined Biota/Habitat Bioassessments

ID17040209SK013_02	Copper Creek	115.58	MILES
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Combined Biota/Habitat Bioassessments

ID17040209SK013_03	3rd order Cottonwood Ck in the Craters of the Moon Complex	13.35	MILES
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Combined Biota/Habitat Bioassessments

17040210 Raft

ID17040210SK005_04	Cassia Creek - Clyde Creek to Conner Creek	4.51	MILES
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Escherichia coli 5/8/12 (J Tollefson) - E.coli monitoring conducted in 2011 showed a geometric mean of 389 col/100 mL which is greater than the 126 col/100 mL criterion value.

ID17040210SK006_02	Clyde Creek - source to mouth	24.83	MILES
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Escherichia coli 3/6/2012 (Sean Woodhead) - E.coli monitoring conducted in 2011 showed a geometric mean of 1265 co./100 ml.

ID17040210SK021_03	Sublett Creek - source to Sublett Reservoir	5.89	MILES
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Escherichia coli 3/2/2012 (S. Woodhead) - Sublett Creek was monitored to determine if it was meeting the secondary contact recreation beneficial use during the 2011 monitoring season. After assessing the data, the E. coli data showed a geomean of 310 col/100 mL which is greater than the 126 col/100 mL criterion value, therefore the recreational use of this water body is considered impaired by bacteria.

17040211 Goose

ID17040211SK002L_0L	Lower Goose Creek Reservoir	1005.99	ACRES
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Mercury

2/18/2010 (NED) - Mercury listing based on the DEQ report, "Arsenic, Mercury, and Selenium in Fish Tissue from Idaho Lakes and Reservoirs: A Statewide Assessment" (Essig and Kostermann, May 2008). A Mercury level of 0.378 mg/kg, which exceeds the human health criterion of 0.3 mg/kg, was reported.

ID17040211SK007_02	Trout Creek - source to Idaho/Nevada border	19.97	MILES
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Sedimentation/Siltation

17040212 Upper Snake-Rock

ID17040212SK000_03A	Yahoo Creek	2.23	MILES
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Sedimentation/Siltation

Fecal Coliform

ID17040212SK010_03	Mud Creek - Deep Creek Road (T09S, R14E) to mouth	1.07	MILES
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Temperature, water

2012 Integrated Report: Category 5 (§303(d))

ID17040212SK012_03	Cedar Draw - source to mouth	2.93	MILES
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Temperature, water

ID17040212SK014_02	North/Dry Cottonwood Creek - source to mouth	37.64	MILES
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Temperature, water

ID17040212SK015_02	McMullen Creek - source to mouth	49.99	MILES
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Temperature, water

ID17040212SK015_03	McMullen Creek - source to mouth	9.4	MILES
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Temperature, water

ID17040212SK020_07	Snake River - Milner Dam to Twin Falls	21.3	MILES
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Temperature, water

ID17040212SK022_03	Dry Creek - source to mouth	9.85	MILES
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Temperature, water

ID17040212SK028_02	Clear Lakes	22.52	ACRES
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Escherichia coli

E. coli was added to primary and secondary contact recreation. This addition was made because the beneficial uses were listed as not full support but did not have causes associated with them. As a result, an assessment of the bacteria of Clear Lakes will need to be conducted to remove this water body from the integrated report.

ID17040212SK034_04	Clover Creek - Pioneer Reservoir Dam outlet to Snake River	10.09	MILES
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Temperature, water

1/28/2010 - EPA add January 2001.

ID17040212SK035_04	Pioneer Reservoir	228.92	ACRES
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Temperature, water

Escherichia coli

3/20/2009 (NED) - Fecal coliform has been delisted and E.coli has been listed as the impairment due to a change in DEQ's water quality standards from a criterion associated with fecal coliform to a more specific criterion for E. coli.

ID17040212SK036_02	Clover Creek - source to Pioneer Reservoir	55.65	MILES
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Temperature, water

Escherichia coli

62.9% pathogen load reduction has been applied to Clover Creek (see pg 199 Upper Snake Rock Watershed Management Plan) Addition reductions in pathogens are expected in conjunction with TSS reductions.

ID17040212SK038_02	Catchall Creek - source to mouth	15.86	MILES
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Combined Biota/Habitat Bioassessments

ID17040212SK040_02	Calf Creek - source to mouth	35.89	MILES
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Temperature, water

2012 Integrated Report: Category 5 (§303(d))

ID17040212SK040_03	Calf Creek - source to mouth	6.56	MILES
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Sedimentation/Siltation

Temperature, water

Fecal Coliform

Cause Unknown

Nutrients Suspected Impairment

17040214

Beaver-Camas

ID17040214SK006_03	Ching Creek - source to mouth	11.92	MILES
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Escherichia coli

ID17040214SK008_02	Crooked/Crab Creek - source to mouth	30.05	MILES
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Combined Biota/Habitat Bioassessments

ID17040214SK008_03	Crooked/Crab Creek - source to mouth	10.83	MILES
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Combined Biota/Habitat Bioassessments

Escherichia coli

ID17040214SK009_02	Warm Creek - Cottonwood Cr. to mouth and East Camas Creek	11.69	MILES
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Combined Biota/Habitat Bioassessments

Fecal Coliform

ID17040214SK010_03	East Camas Creek	4.25	MILES
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Escherichia coli

ID17040214SK013_02	West Camas Creek -source to Targhee National Forest Boundary	52.58	MILES
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Sedimentation/Siltation

12/14/2009 (SR) - Wolman Pebble Count data indicates a high percentage of sand/silt in nearly all streams in this AU.

ID17040214SK016_02	Rattlesnake Creek - source to mouth	56.87	MILES
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Combined Biota/Habitat Bioassessments

ID17040214SK016_03	Rattlesnake Creek - source to mouth	10.52	MILES
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Combined Biota/Habitat Bioassessments

ID17040214SK017_02	Threemile Creek - source to mouth	23.1	MILES
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Combined Biota/Habitat Bioassessments

ID17040214SK017_03	Threemile Creek - source to mouth	1.82	MILES
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Fecal Coliform

ID17040214SK018_02	Beaver Creek - Miners Creek to Rattlesnake Creek	40.28	MILES
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Combined Biota/Habitat Bioassessments

2012 Integrated Report: Category 5 (§303(d))

ID17040214SK020_02	Beaver Creek - Idaho Creek to Miners Creek	12.82	MILES
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Combined Biota/Habitat Bioassessments

Escherichia coli

ID17040214SK021_02	Beaver Creek - source to Idaho Creek	68.41	MILES
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Escherichia coli

17040215 Medicine Lodge

ID17040215SK005_02	West Fork Indian Creek - source to mouth	24.46	MILES
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Combined Biota/Habitat Bioassessments

Escherichia coli

ID17040215SK007_02	Middle Creek - Dry Creek to mouth	27.35	MILES
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Sedimentation/Siltation

ID17040215SK007_03	Middle Creek - Dry Creek to mouth	5.61	MILES
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Fecal Coliform

ID17040215SK008_02	Middle Creek - source to Dry Creek	12.12	MILES
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Sedimentation/Siltation

ID17040215SK009_02	Dry Creek - source to mouth	5.2	MILES
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Sedimentation/Siltation

ID17040215SK010_02	Edie Creek - source to mouth	10.17	MILES
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Escherichia coli

ID17040215SK012_02	Irving Creek - source to mouth	13.69	MILES
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Escherichia coli

ID17040215SK013_02	Warm Creek - source to mouth	14.89	MILES
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Sedimentation/Siltation

ID17040215SK013_03	Warm Creek - source to mouth	2.45	MILES
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Sedimentation/Siltation

ID17040215SK014_02	Divide Creek - source to mouth	13.86	MILES
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Combined Biota/Habitat Bioassessments

Escherichia coli

ID17040215SK015_02	Horse Creek - source to mouth	8.43	MILES
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Combined Biota/Habitat Bioassessments

Sedimentation/Siltation

2012 Integrated Report: Category 5 (§303(d))

ID17040215SK018_02	Deep Creek - source to mouth	77.09	MILES
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Combined Biota/Habitat Bioassessments

Sedimentation/Siltation

ID17040215SK018_03	Deep Creek - source to mouth	8.96	MILES
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Sedimentation/Siltation

ID17040215SK021_02	Crooked Creek - source to mouth	53.09	MILES
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Combined Biota/Habitat Bioassessments

Escherichia coli

Sedimentation/Siltation

17040217 Little Lost

ID17040217SK001_05	Little Lost River - canal (T06N, R28E) to playas	18.65	MILES
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Temperature, water

ID17040217SK002_05	Little Lost River - Big Spring Creek to canal (T06N, R28E)	5.78	MILES
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Combined Biota/Habitat Bioassessments

Temperature, water

ID17040217SK003_02	Big Spring Creek - source to mouth	8.11	MILES
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Temperature, water

ID17040217SK003_03	Big Spring Creek - source to mouth	7.1	MILES
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Temperature, water

Cause Unknown

ID17040217SK003_04	Big Spring Creek - source to mouth	1.98	MILES
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Temperature, water

ID17040217SK007_02	Little Lost River - Badger Creek to Big Spring Creek	79.15	MILES
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Fishes Bioassessments

Sedimentation/Siltation

Temperature, water

ID17040217SK007_04	Little Lost River - Badger Creek to Big Spring Creek	14.16	MILES
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Combined Biota/Habitat Bioassessments

ID17040217SK009_02	Little Lost River - Wet Creek to Badger Creek	54.24	MILES
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Sedimentation/Siltation

Temperature, water

ID17040217SK010_04	Little Lost River - confluence of Summit and Sawmill Creeks	8.55	MILES
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Combined Biota/Habitat Bioassessments

2012 Integrated Report: Category 5 (§303(d))

ID17040217SK014_02	Sawmill Creek	33.46	MILES
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Temperature, water

Combined Biota/Habitat Bioassessments 1/12/2010 (SR) - This watershed is moderately to heavily grazed during the summer months.

ID17040217SK014_04	Sawmill Creek	7.65	MILES
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Temperature, water

ID17040217SK015_02	Squaw Creek - source to mouth	12.53	MILES
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Temperature, water

ID17040217SK018_03	Timber Creek - source to mouth	1.47	MILES
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Temperature, water

ID17040217SK019_02a	Moffett Creek	1.35	MILES
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Combined Biota/Habitat Bioassessments

Temperature, water

ID17040217SK019_03	Summit Creek - source to mouth	9.02	MILES
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Temperature, water

ID17040217SK020_03	Dry Creek - Dry Creek Canal to mouth	14.65	MILES
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Temperature, water

ID17040217SK021_02	Dry Creek - source to Dry Creek Canal	46.58	MILES
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Temperature, water

ID17040217SK021_03	Dry Creek - source to Dry Creek Canal	2.7	MILES
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Temperature, water

ID17040217SK023_02	Squaw Creek - source to mouth	25.89	MILES
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Combined Biota/Habitat Bioassessments

ID17040217SK025_02	Deer Creek - source to mouth	17.2	MILES
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Temperature, water

17040219 Big Wood

ID17040219SK008_02	Quigley Creek - source to mouth	15.87	MILES
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Temperature, water

ID17040219SK028_02	Rock Creek - source to mouth	39.4	MILES
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Temperature, water

ID17040219SK030_02	Black Canyon Creek - source to mouth	121.57	MILES
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Temperature, water

Total Suspended Solids (TSS)

Cause Unknown

Nutrients Suspected Impairment

2012 Integrated Report: Category 5 (§303(d))

ID17040219SK030_03	Black Canyon Creek - source to mouth	28.03	MILES
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Total Suspended Solids (TSS)

Cause Unknown

Nutrients Suspected Impairment

17040220

Camas

ID17040220SK023L_0L	Mormon Reservoir	1583.81	ACRES
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Mercury

2/22/2010 (NED) - A mercury level of 0.33 mg/kg, which exceeds the human health criterion of 0.3 mg/kg, was reported from the fish tissue samples collected in April 2007.

17040221

Little Wood

ID17040221SK009_03	West Fork Fish Creek - source to Fish Creek Reservoir	3.32	MILES
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Sedimentation/Siltation

Fecal Coliform

Cause Unknown

Nutrients Suspected Impairment; Low DO due to suspected Organic Enrichment.

ID17040221SK020_02A	Cold Spring Creek	16.79	MILES
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Combined Biota/Habitat Bioassessments

ID17040221SK023_03	Silver Creek - source to mouth	25.27	MILES
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Combined Biota/Habitat Bioassessments

Appendix K. Maps showing the status of all state waters.

This appendix includes three maps. The first is an overall map that includes all water bodies in the state. If you would like to view or print the original file, which is formatted as a 32-by-42-inch page, please visit <http://www.deq.idaho.gov/integrated-report#2012-IR>. The second map shows the status of all Idaho streams, and the third displays the status of all Idaho lakes and reservoirs.

An interactive map is available at <http://mapcase.deq.idaho.gov/wq2012/>. Since the 2010 Integrated Report, the interactive map has been revised. The ID305B ArcIMS interactive mapping applications were updated to ArcGIS Server 10–Windows Server 2008 shortly after the original server (Windows 2003) began developing hardware problems. ArcIMS has been discontinued by ESRI. ArcGIS Server is the latest development platform for interactive web mapping, providing a more scalable, flexible, and robust environment for developing mapping applications for internet use. ArcGIS Server integrated with ArcSDE and ESRI's and Microsoft's cloud-based imagery, and base map services has significantly increased performance and usability by enabling a more user-friendly intuitive interface similar to other popular web mapping applications. The technological advancements with ArcGIS Server has allowed DEQ to more efficiently incorporate similar functionality from existing applications such as advanced SQL Query and Find options, Geoprocessing, and Geocoding from Microsoft BING services.

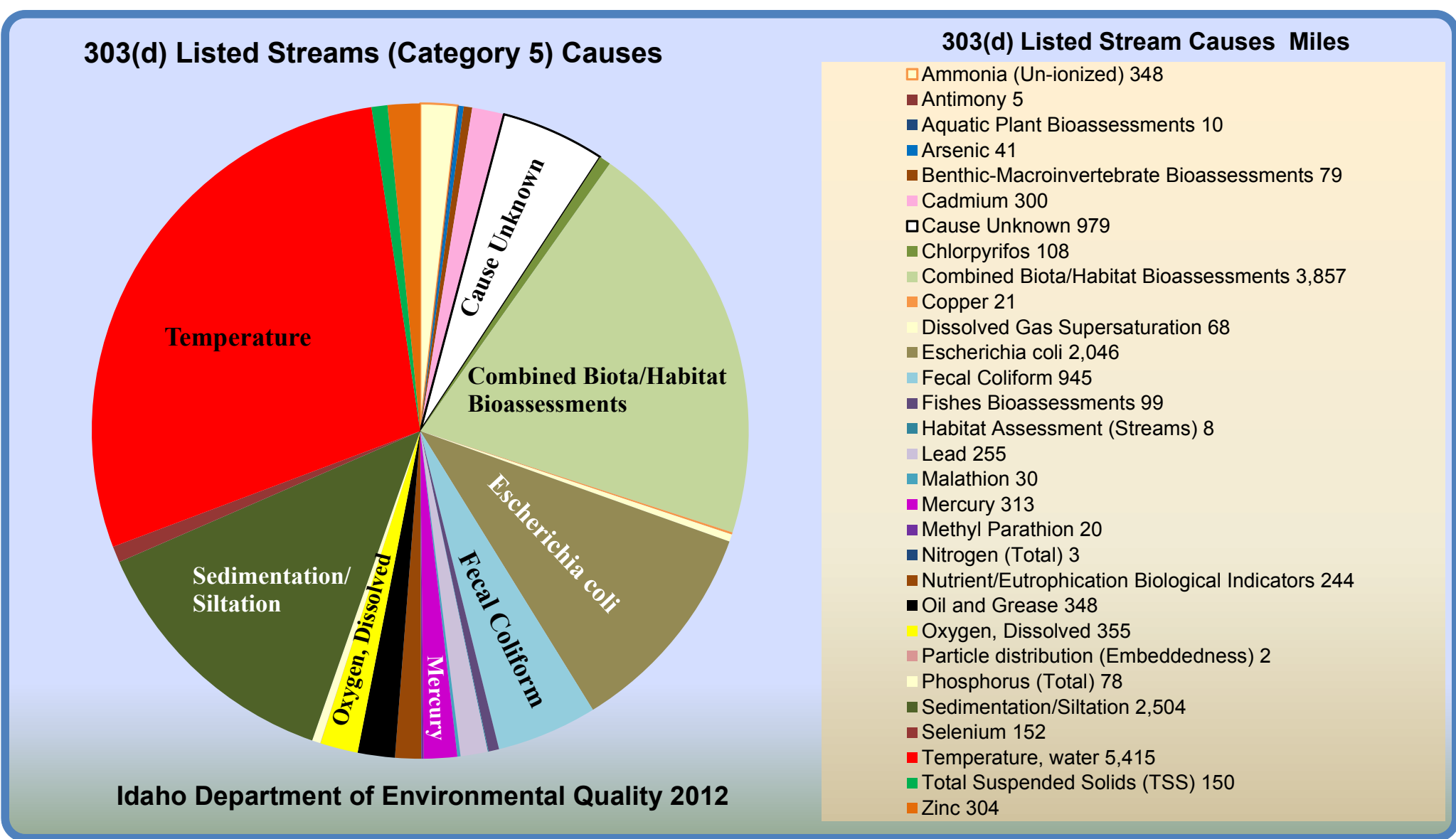
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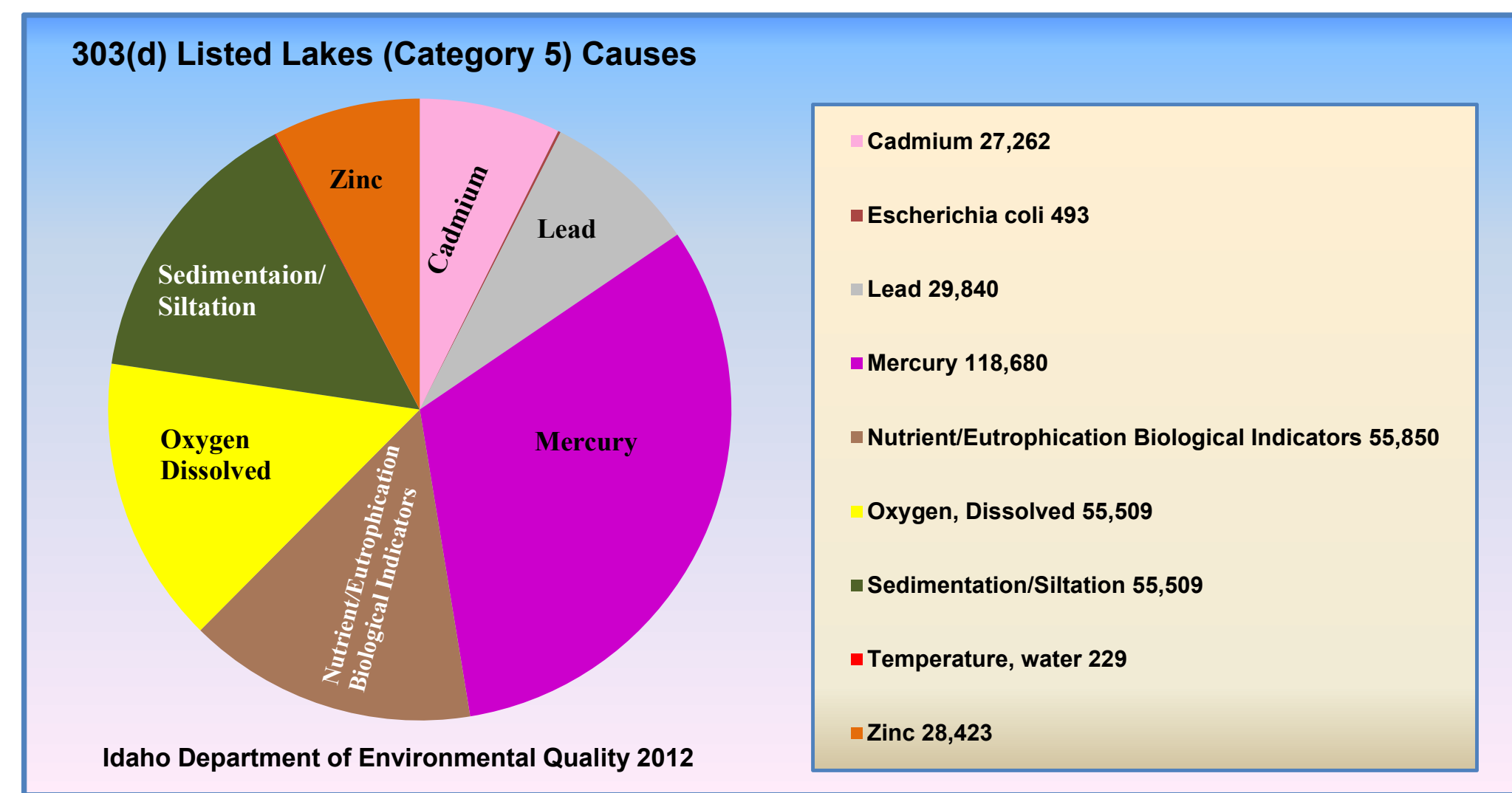
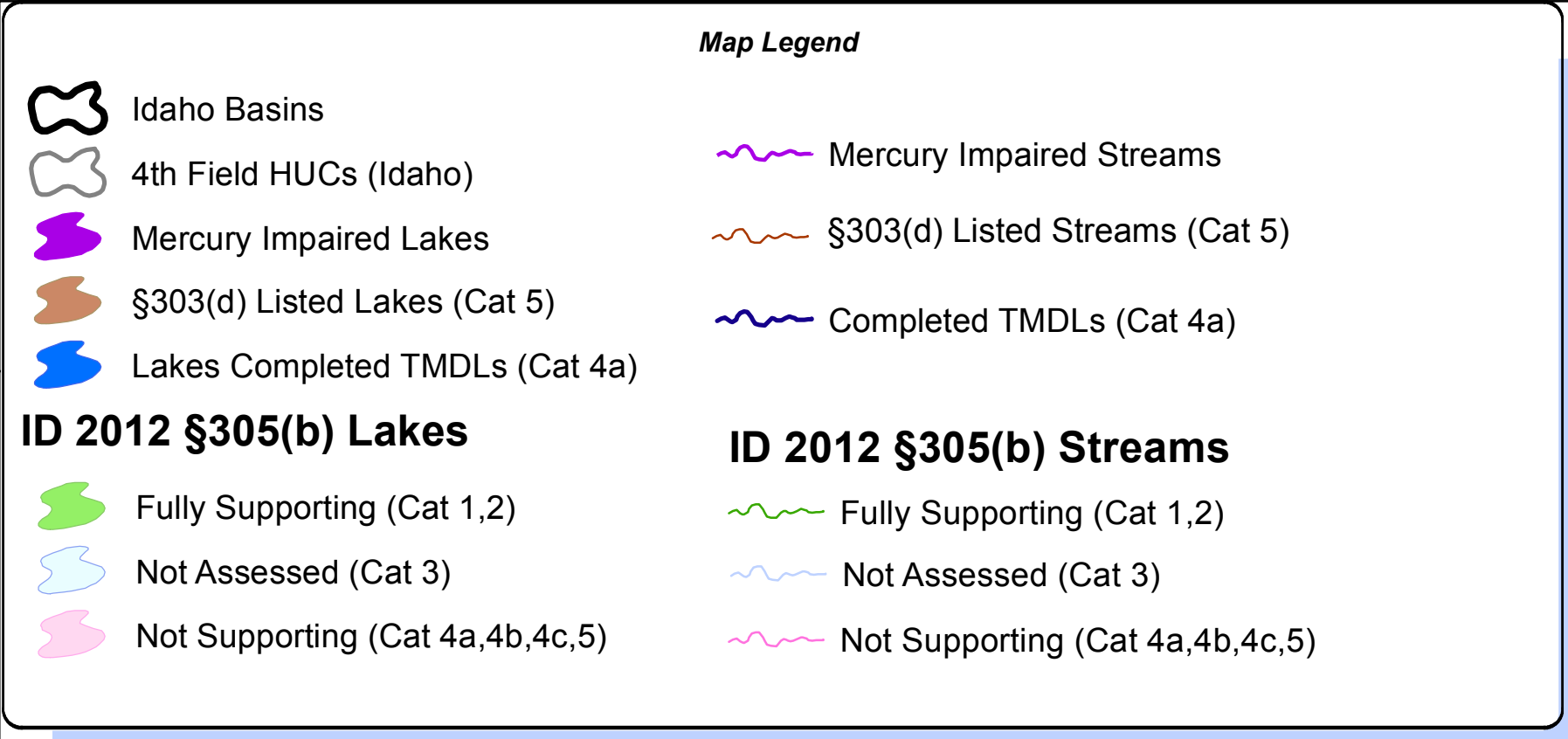
Idaho Department of Environmental Quality

Draft 2012 Integrated Report

Rivers-Streams



Lakes-Reservoirs



Restriction of Liability: Neither the State of Idaho nor the Department of Environmental Quality, nor any of their employees make any warranty, express or implied, or assume legal liability or responsibility for the accuracy, completeness or usefulness of any information or data provided. Metadata is provided for all data sets, and no data should be used without first reading and understanding its limitations. The data could include technical inaccuracies or typographical errors. The Department of Environmental Quality may update, modify, or revise the data used at any time, without notice.

Rivers-Streams

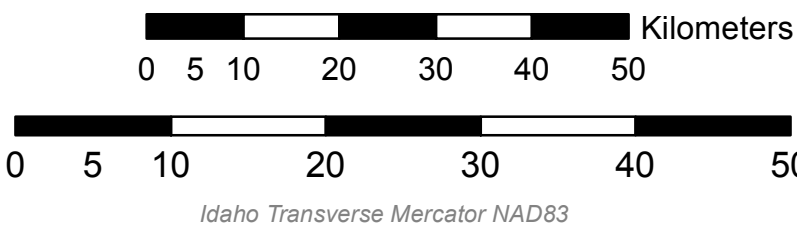
SUPPORT STATUS	MILES
Fully Supporting	30,337
Not Assessed	32,036
Not Supporting	32,746

Lakes-Reservoirs

SUPPORT STATUS	ACRES
Fully Supporting	27,683
Not Assessed	179,653
Not Supporting	261,709



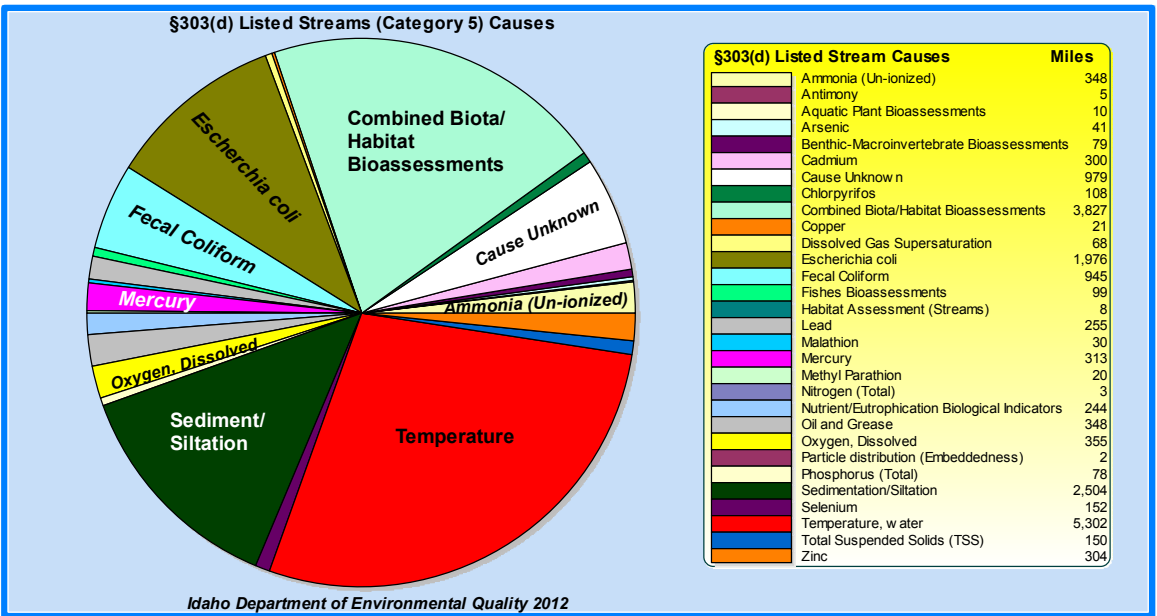
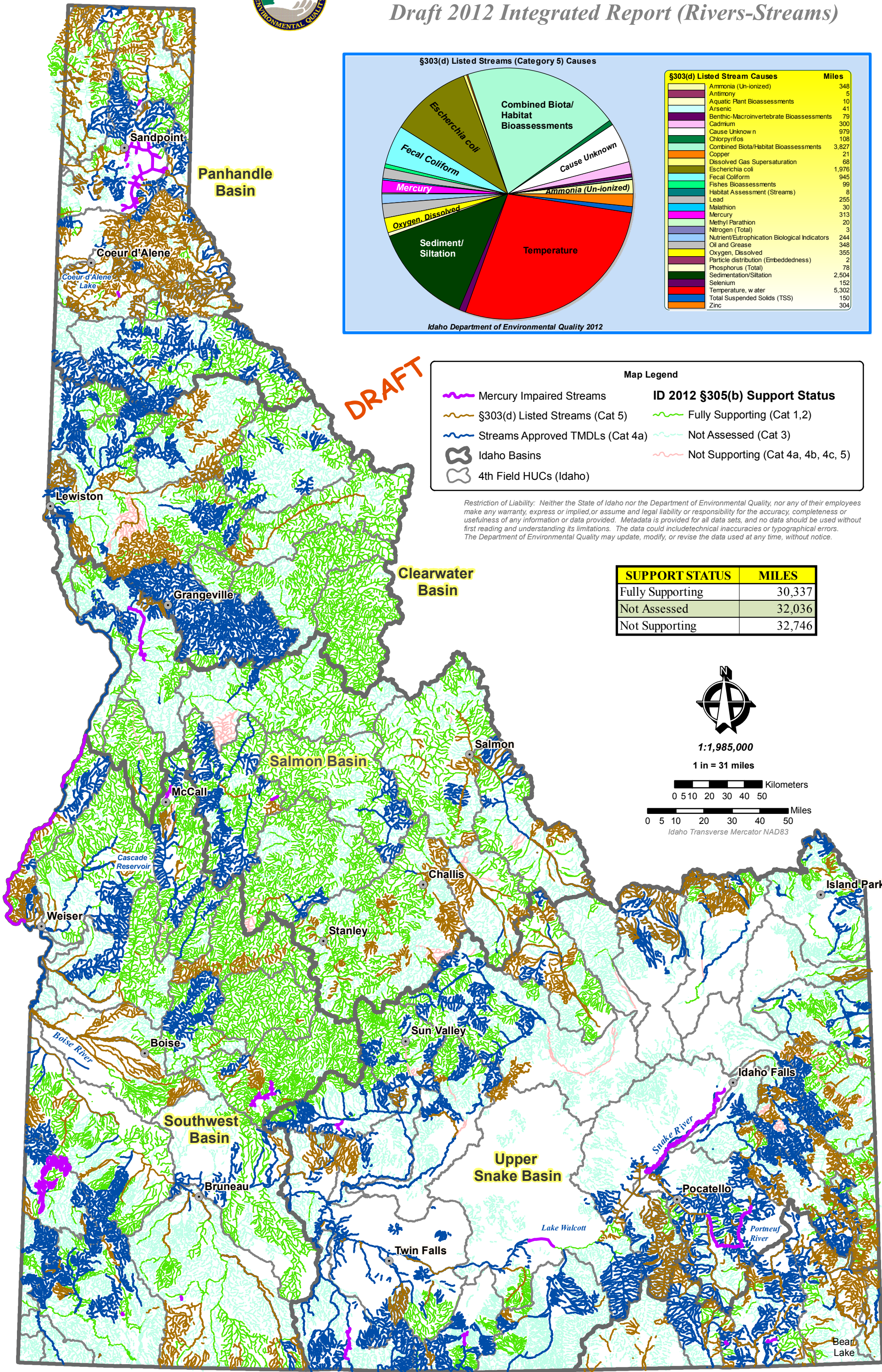
1:785,000
1 in = 12 miles





Idaho Department of Environmental Quality

Draft 2012 Integrated Report (Rivers-Streams)



Map Legend

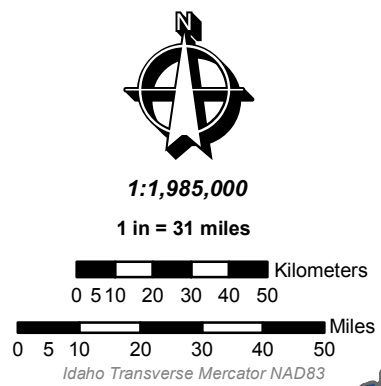
- Mercury Impaired Streams
- §303(d) Listed Streams (Cat 5)
- Streams Approved TMDLs (Cat 4a)
- Idaho Basins
- 4th Field HUCs (Idaho)

ID 2012 §305(b) Support Status

- Fully Supporting (Cat 1,2)
- Not Assessed (Cat 3)
- Not Supporting (Cat 4a, 4b, 4c, 5)

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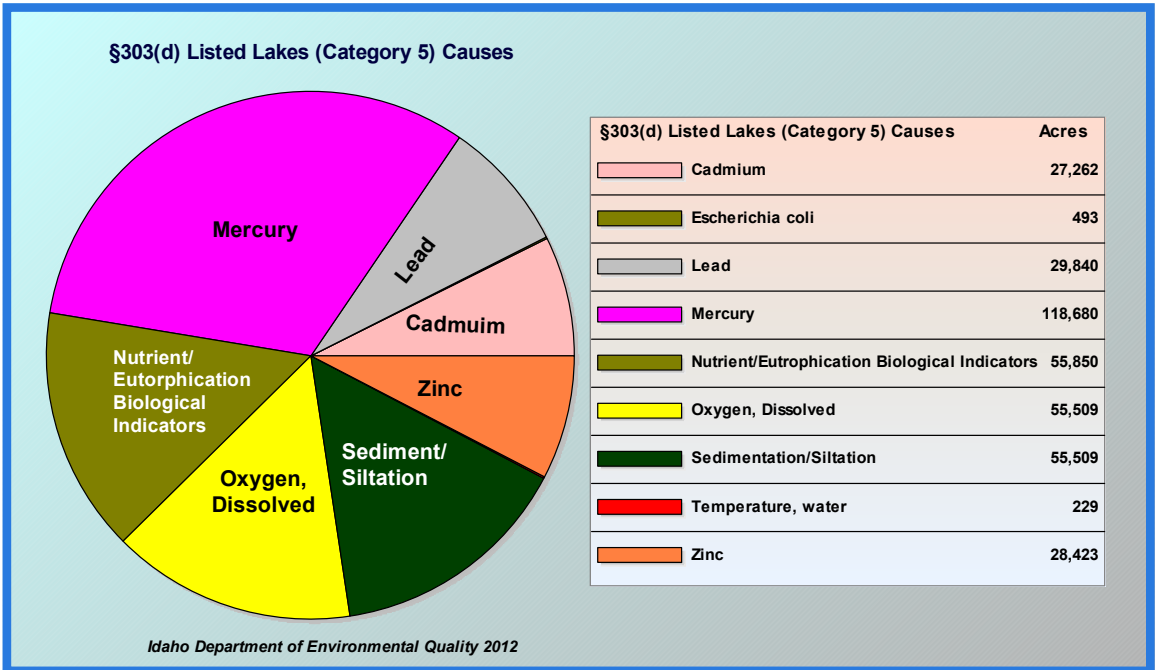
SUPPORT STATUS	MILES
Fully Supporting	30,337
Not Assessed	32,036
Not Supporting	32,746





Idaho Department of Environmental Quality

Draft 2012 Integrated Report (Lakes-Reservoirs)



Map Legend

Idaho Basins

4th Field HUCs (Idaho)

ID 2012 §305(b) Lakes Mercury Impaired

Lakes Mercury Impaired

ID 2012 §303(d) Listed Lakes

§303(d) Listed Lakes (Cat 5)

ID 2012 Lakes Approved TMDLs (Cat 4a)

Lakes Approved TMDLs (Cat 4a)

ID 2012 §305(b) Lakes §305(b) Support Status

Fully Supporting (Cat 1,2)

Not Assessed (Cat 3)

Not Supporting (Cat 4a,4b,4c,5)

Streams (250K)

SUPPORT STATUS	ACRES
Fully Supporting	27,683
Not Assessed	179,653
Not Supporting	261,709



1:1,985,000

1 in = 31 miles

0 5 10 20 30 40 50 Kilometers

0 5 10 20 30 40 50 Miles

Idaho Transverse Mercator NAD83

Appendix L. Assessment unit-cause combinations proposed for delisting in the 2012 Integrated Report.

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2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

Bear River

16010201

Bear Lake

ID16010201BR013_02b Upper Paris Creek

5.48

MILES

Cause Unknown

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

5/17/2012 (NED) - In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Cause Unknown is a duplicate listing. Therefore, Cause Unknown has been delisted.

Fishes Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

5/17/2012 (NED) - Fishes Bioassessments was originally listed due to a low stream fish index (SFI) in 1997. In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Fishes Bioassessments is a duplicate listing. Therefore, Fishes Bioassessments has been delisted.

Habitat Assessment (Streams)

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

5/17/2012 (NED) - Habitat Assessment (Streams) was originally listed due to a low stream habitat index (SHI) in 1997. In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Habitat Assessment (Streams) is a duplicate listing. Therefore, Habitat Assessment (Streams) has been delisted.

ID16010201BR020_02b Whiskey Creek - headwaters to Montpelier Creek

5.25

MILES

Cause Unknown

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

5/17/2012 (NED) - To minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Cause Unknown is a duplicate listing. Therefore, Cause Unknown has been delisted.

Habitat Assessment (Streams)

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

5/17/2012 (NED) - Habitat Assessment (Streams) was originally listed due to a low stream habitat index (SHI) in 1998 and 2003. In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Habitat Assessment (Streams) is a duplicate listing. Therefore, Habitat Assessment (Streams) has been delisted.

16010203

Little Bear-Logan

ID16010203BR002_02 Logan River - source to Idaho/Utah border

9.14

MILES

Cause Unknown

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

9/20/2012 (NED) - In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Cause Unknown is a duplicate listing. Therefore, Cause Unknown has been delisted.

Habitat Assessment (Streams)

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

9/20/2012 (NED) - Habitat Assessment (Streams) was originally listed due to a low stream habitat index (SHI) in 2004. In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Habitat Assessment (Streams) is a duplicate listing. Therefore, Habitat Assessment (Streams) has been delisted.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

Clearwater

17060303

Lochsa

ID17060303CL010_02	Boulder Creek - source to mouth	41.17	MILES
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Temperature, water

Applicable QWS attained; original basis for listing was incorrect

8/7/2012 (CB and NED) - DEQ and EPA performed a natural conditions evaluation of 6th order watersheds in the Lochsa Subbasin. This evaluation evaluated a number of disturbance variables in Category 5 water bodies, including road density, stream crossings, and streamside harvest miles. The evaluation concluded that the 2nd order segment of Boulder Creek is not in a disturbed watershed in accordance with Idaho's Concepts and Recommendations for Using the Natural Conditions Provisions of the Idaho Water Quality Standards. Unless data is presented to demonstrate otherwise, DEQ will proceed with these findings that Boulder Creek is not in a disturbed watershed and move this AU to Category 2 of the 2012 Integrated Report.

ID17060303CL010_04	Boulder Creek - source to mouth	4.01	MILES
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Temperature, water

Applicable QWS attained; original basis for listing was incorrect

8/7/2012 (CB and NED) - DEQ and EPA performed a natural conditions evaluation of 6th order watersheds in the Lochsa Subbasin. This evaluation evaluated a number of disturbance variables in Category 5 water bodies, including road density, stream crossings, and streamside harvest miles. The evaluation concluded that the 3rd order segment of Boulder Creek is not in a disturbed watershed in accordance with Idaho's Concepts and Recommendations for Using the Natural Conditions Provisions of the Idaho Water Quality Standards. Unless data is presented to demonstrate otherwise, DEQ will proceed with these findings that Boulder Creek is not in a disturbed watershed and move this AU to Category 2 of the 2012 Integrated Report.

ID17060303CL032_03	Storm Creek - source to mouth	4.82	MILES
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Temperature, water

Applicable QWS attained; original basis for listing was incorrect

8/7/2012 (CB and NED) - DEQ and EPA performed a natural conditions evaluation of 6th order watersheds in the Lochsa Subbasin. This evaluation evaluated a number of disturbance variables in Category 5 water bodies, including road density, stream crossings, and streamside harvest miles. The evaluation concluded that the 3rd order segment of Storm Creek is not in a disturbed watershed in accordance with Idaho's Concepts and Recommendations for Using the Natural Conditions Provisions of the Idaho Water Quality Standards. This water body is located partially within the Selway-Bitterroot Wilderness Area and U.S. Forest Service forest plan category 1-C. Since a portion of the water body is located within Category 1-C, which road building is not prohibited, this AU does not qualify for Category 1 and therefore is being moved from Category 5 to Category 2 of the 2012 Integrated Report.

ID17060303CL052_02	Fish Creek - Hungry Creek to mouth	7.89	MILES
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Temperature, water

Applicable QWS attained; original basis for listing was incorrect

8/7/2012 (CB and NED) - DEQ and EPA performed a natural conditions evaluation of 6th order watersheds in the Lochsa Subbasin. This evaluation evaluated a number of disturbance variables in Category 5 water bodies, including road density, stream crossings, and streamside harvest miles. The evaluation concluded that the 2nd order segment of Fish Creek is not in a disturbed watershed in accordance with Idaho's Concepts and Recommendations for Using the Natural Conditions Provisions of the Idaho Water Quality Standards. Unless data is presented to demonstrate otherwise, DEQ will proceed with these findings that Fish Creek is not in a disturbed watershed and move this AU to Category 2 of the 2012 Integrated Report.

ID17060303CL052_04	Fish Creek - Hungry Creek to mouth	4.71	MILES
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Temperature, water

Applicable QWS attained; original basis for listing was incorrect

8/7/2012 (CB and NED) - DEQ and EPA performed a natural conditions evaluation of 6th order watersheds in the Lochsa Subbasin. This evaluation evaluated a number of disturbance variables in Category 5 water bodies, including road density, stream crossings, and streamside harvest miles. The evaluation concluded that the 4th order segment of Fish Creek AU is not in a disturbed watershed in accordance with Idaho's Concepts and Recommendations for Using the Natural Conditions Provisions of the Idaho Water Quality Standards. Unless data is presented to demonstrate otherwise, DEQ will proceed with these findings that Fish Creek is not in a disturbed watershed and move this AU to Category 2 of the 2012 Integrated Report.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17060303CL057_02	Fish Creek - headwaters and tributaries	48.42	MILES
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Temperature, water

Applicable WQS attained; original basis for listing was incorrect

8/7/2012 (CB and NED) - DEQ and EPA performed a natural conditions evaluation of 6th order watersheds in the Lochsa Subbasin. This evaluation evaluated a number of disturbance variables in Category 5 water bodies, including road density, stream crossings, and streamside harvest miles. The evaluation concluded that the 2nd order segment of Fish Creek is not in a disturbed watershed in accordance with Idaho's Concepts and Recommendations for Using the Natural Conditions Provisions of the Idaho Water Quality Standards. Unless data is presented to demonstrate otherwise, DEQ will proceed with these findings that Fish Creek is not in a disturbed watershed and move this AU to Category 2 of the 2012 Integrated Report.

ID17060303CL057_03	Fish Creek - source to Hungry Creek	8.42	MILES
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Temperature, water

Applicable WQS attained; original basis for listing was incorrect

8/7/2012 (CB and NED) - DEQ and EPA performed a natural conditions evaluation of 6th order watersheds in the Lochsa Subbasin. This evaluation evaluated a number of disturbance variables in Category 5 water bodies, including road density, stream crossings, and streamside harvest miles. The evaluation concluded that the 3rd order segment of Fish Creek is not in a disturbed watershed in accordance with Idaho's Concepts and Recommendations for Using the Natural Conditions Provisions of the Idaho Water Quality Standards. Unless data is presented to demonstrate otherwise, DEQ will proceed with these findings that Fish Creek is not in a disturbed watershed and move this AU to Category 2 of the 2012 Integrated Report.

17060306

Clearwater

ID17060306CL001_07	Lower Granite Dam pool	5.11	MILES
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Dissolved Gas Supersaturation

Applicable WQS attained; original basis for listing was incorrect

7/2012 (CB) - This assessment addresses the Category 5 listing of AU # ID17060306CL001_07, Lower Granite Dam pool. This AU was originally listed by the EPA in 1996 due to total dissolved gas (TDG) impairment. ID water quality standards establish water quality criteria for TDG not to exceed 110% of saturation at atmospheric pressure at the point of sample collection (IDAPA 58.01.02.250.01.b). Owners or operators of proposed water impoundment facilities subject to excessive spilling which can result in supersaturated water conditions must submit to DEQ for approval, a program for the detection and control of TDG. The program must contain time schedules for construction or installation of TDG control features, and a monitoring and reporting system insuring those TDG violations are detected and reported to DEQ (IDAPA 58.01.02.300.03.a&b).

Dworshak Dam is located at river mile 1.9 on the NF Clearwater R; the only river modification that discharges TDG to the AU. TDG is generated when water passes over the spillway of Dworshak Dam. Involuntary spills occur due to lack of powerhouse capacity. Voluntary spills improve juvenile fish outmigration conditions and facilitate downstream temperature control. A component of the NMFS Biological Opinion under the ESA for listed species is the provision of spilled water to facilitate fish passage and all known and reasonable measures are taken to assure protection of the fishery resource that the Idaho water quality standards are designed to protect.

Water spilled over the dam spillway entrains air and water becomes saturated with dissolved gasses relative to the equilibrium at the surface. Gas bubble trauma (GBT) occurs when TDG comes out of solution within fish forming bubbles in body tissues. The IDFG conducted a monitoring program for the fish populations below Dworshak Dam to determine the extent of GBT associated with TDG = or >110%. Survival estimates from 4 years of data showed little GBT in juvenile salmonids and resident fish species. A 2008 study by the USFWS, Nez Perce Tribe Fisheries, and USGS on fall Chinook salmon sub-yearlings in the Clearwater concluded a portion of the ESA-listed juvenile fall Chinook population was healthy, while noting the presence of symptoms associated with GBT. The GBT symptoms were not severe enough to directly cause mortality.

The ACOE collects real-time TDG data downstream from Dworshak Dam in a network of fixed-station monitors. The TDG data from the gage station near Lewiston, ID is representative for this AU. From April 2009-present, the max TDG was 111% Aug. 1-3, 2009. There have been no exceedances of 110% thus far in 2012. This assessment takes into account how TDG dissipates after flowing 43 miles from the source at Dworshak dam, the incidence of GBT decreases with increased distance from the dam, and TDG levels dissipate when released water mixes with Clearwater River flow. Federal agencies consult and manage the effects of federal dam operations. These agencies develop an annual Water Management Plan to implement specific operations identified in the BiOps. Spills at Dworshak are managed by the ACOE to enhance aquatic life by complying with the NMFS BiOp for the protection of anadromous fish and meeting Idaho's water quality standards.

Agreements between the ACOE and DEQ allows the flexibility for the release of stored water to provide fisheries benefits, and a reporting program that is in place meeting IDAPA 58.01.02.300.01.a&b&c; 58.01.02.300.03.a&b. This assessment unit therefore is determined to be meeting Idaho's water quality standards.

For the full report, refer to the document attached in ADB: Total Dissolved Gas Control and Reporting Requirements for Assessment Units # ID17060306CL001_07 and ID17060306CL002_07.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17060306CL002_07	Clearwater River - Potlatch River to Lower Granite Dam Pool	10.08	MILES
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Dissolved Gas Supersaturation

Applicable WQS attained; original basis for listing was incorrect

7/2012 (CB) - This assessment addresses the Category 5 listing of AU # ID17060306CL002_07, Clearwater River from the Nez Perce Tribe Reservation boundary to Lower Granite Dam pool. This AU was originally listed by the EPA in 1996 due to total dissolved gas (TDG) impairment. ID water quality standards establish water quality criteria for TDG not to exceed 110% of saturation at atmospheric pressure at the point of sample collection (IDAPA 58.01.02.250.01.b). Owners or operators of proposed water impoundment facilities subject to excessive spilling which can result in supersaturated water conditions must submit to DEQ for approval, a program for the detection and control of TDG. The program must contain time schedules for construction or installation of TDG control features, and a monitoring and reporting system insuring those TDG violations are detected and reported to DEQ (IDAPA 58.01.02.300.03.a&b).

Dworshak Dam is located at river mile 1.9 on the NF Clearwater R; the only river modification that discharges TDG to the AU. TDG is generated when water passes over the spillway of Dworshak Dam. Involuntary spills occur due to lack of powerhouse capacity. Voluntary spills improve juvenile fish outmigration conditions and facilitate downstream temperature control. A component of the NMFS Biological Opinion under the ESA for listed species is the provision of spilled water to facilitate fish passage and all known and reasonable measures are taken to assure protection of the fishery resource that the Idaho water quality standards are designed to protect.

Water spilled over the dam spillway entrains air and water becomes saturated with dissolved gasses relative to the equilibrium at the surface. Gas bubble trauma (GBT) occurs when TDG comes out of solution within fish forming bubbles in body tissues. The IDFG conducted a monitoring program for the fish populations below Dworshak Dam to determine the extent of GBT associated with TDG = or >110%. Survival estimates from 4 years of data showed little GBT in juvenile salmonids and resident fish species. A 2008 study by the USFWS, Nez Perce Tribe Fisheries, and USGS on fall Chinook salmon sub-yearlings in the Clearwater concluded a portion of the ESA-listed juvenile fall Chinook population was healthy, while noting the presence of symptoms associated with GBT. The GBT symptoms were not severe enough to directly cause mortality.

The ACOE collects real-time TDG data downstream from Dworshak Dam in a network of fixed-station monitors. The TDG data from the gage station near Lewiston, ID is representative for this AU. From April 2009-present, the max TDG was 111% Aug. 1-3, 2009. There have been no exceedances of 110% thus far in 2012. This assessment takes into account how TDG dissipates after flowing 43 miles from the source at Dworshak dam, the incidence of GBT decreases with increased distance from the dam, and TDG levels dissipate when released water mixes with Clearwater River flow. Federal agencies consult and manage the effects of federal dam operations. These agencies develop an annual Water Management Plan to implement specific operations identified in the BiOps. Spills at Dworshak are managed by the ACOE to enhance aquatic life by complying with the NMFS BiOp for the protection of anadromous fish and meeting Idaho's water quality standards.

Agreements between the ACOE and DEQ allows the flexibility for the release of stored water to provide fisheries benefits, and a reporting program that is in place meeting IDAPA 58.01.02.300.01.a&b&c; 58.01.02.300.03.a&b. This assessment unit therefore is determined to be meeting Idaho's water quality standards.

For the full report, refer to the document attached in ADB: Total Dissolved Gas Control and Reporting Requirements for Assessment Units # ID17060306CL001_07 and ID17060306CL002_07.

ID17060306CL016_03	Big Canyon Creek - source to mouth	27.03	MILES
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Cause Unknown

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

10/5/2012 (NED) - In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Habitat Assessment (Streams) is a duplicate listing. Therefore, Habitat Assessment (Streams) has been delisted.

Fishes Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

10/5/2012 (NED) - Fishes Bioassessments was originally listed due to a low stream fish index (SFI) in BURP data from 1998 and 2004. In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Fishes Bioassessments is a duplicate listing. Therefore, Fishes Bioassessments has been delisted.

Habitat Assessment (Streams)

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

10/5/2012 (NED) - Habitat Assessment (Streams) was originally listed due to a low stream habitat index (SHI) in BURP data from 1997. In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Habitat Assessment (Streams) is a duplicate listing. Therefore, Habitat Assessment (Streams) has been delisted.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17060306CL029_02	Eldorado Creek - 1st and 2nd Order Tributaries	52.06	MILES
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Combined Biota/Habitat Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

6/2012 (CB) - This AU is included in the Lolo Creek Tributaries Subbasin Assessment and TMDL, approved by EPA December 12, 2011. This AU was water quality limited based on Beneficial Use Reconnaissance Program data indicating the biological assemblages and habitat conditions are degraded. Combined Biota/Habitat Bioassessments was utilized as a place holder until the Subbasin Assessment was completed and ambient monitoring data show impairment by a TMDL pollutant. This AU was found to be limited by temperature and a TMDL was completed. Lolo Creek Tributaries Subbasin Assessment and TMDL pages xxi-xxiii.

Temperature, water

TMDL approved or established by EPA (4A)

6/2012 (CB) - This AU is included in the Lolo Creek Tributaries Subbasin Assessment and TMDL, approved by EPA December 12, 2011. This AU was water quality limited based on Beneficial Use Reconnaissance Program data indicating the biological assemblages and habitat conditions are degraded. This AU was found to be limited by temperature and a TMDL was completed. Summary and analysis of existing water quality data, pages 28-37. Existing and potential solar loads, Table 11,12 pages 60-62. Load allocations, pages 71-77.

ID17060306CL031_02	Jim Brown Creek - 1st and 2nd Order Tributaries	44.64	MILES
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Escherichia coli

Applicable WQS attained; original basis for listing was incorrect

6/2012 (CB) - This assessment unit was evaluated in the Lolo Creek Subbasin Assessment and TMDL, approved by EPA December 12, 2011. In November 2007, 30-day geometric mean monitoring using 5 E. coli bacteria samples collected at evenly-spaced time intervals within a 30 day period was generated. The maximum measured single sample of E. coli concentration taken during November 2007 was 142 cfu/100 ml and the corresponding calculated geometric mean concentration of 55 cfu/100 ml was below the Idaho water quality standard of 126 cfu/100 ml and determined to be fully supporting the secondary contact recreation beneficial use. (Table 6, page 35; Appendix B. Lolo Creek Tributaries Monitoring Data, Table B7, Upper Jim Brown Creek Geometric Mean E. coli concentration, page 119).

Nutrient/Eutrophication Biological Indicators

Applicable WQS attained; original basis for listing was incorrect

6/2012 (CB) - This AU is included in the Lolo Creek Tributaries Subbasin Assessment and TMDL, approved by EPA December 12, 2011. This AU showed no violations of the State's dissolved oxygen standard. No visible slime growths were observed during the subbasin assessment. The average total phosphorous concentration was 0.03 mg/L, which coincides with EPA criteria recommendation of all streams sampled in the eco-region. Nitrate + nitrite concentrations were below detection limits. For additional information refer to pages 35-36 and Appendix B, Table B3 on page 115.

Sedimentation/Siltation

Applicable WQS attained; original basis for listing was incorrect

6/2012 (CB) - This AU is included in the Lolo Creek Tributaries Subbasin Assessment and TMDL, approved by EPA December 12, 2011. The most available water column sediment data for application in this TMDL are reported as total suspended solids (TSS). A target range of a monthly average of 25 mg/L total suspended solids with a maximum daily limit of 50 mg/L to allow for natural variability was selected and applied to the concentrations measured in this AU. None of the measured concentrations exceeded this target range. For a summary and analysis of existing water quality data refer to pages 33-34, Table 5 on page 34 and Appendix B, Table B3, page 115.

Temperature, water

TMDL approved or established by EPA (4A)

6/2012 (CB): This AU is included in the Lolo Creek Tributaries Subbasin Assessment and TMDL, approved by EPA December 12, 2011. This AU was listed on the 1998 303(d) list for temperature and carried over into Section 5 of Idaho's 2010 Integrated Report. Instantaneous temperature readings were recorded in excess of the maximum daily maximum temperature (MDMT) salmonid spawning criterion. Although instantaneous temperature readings do not provide enough data to calculate daily averages or weekly mean temperatures, if a single measurement exceeds the MDMT limit it is known that the daily maximum is no less than that single measurement and therefore the criterion is exceeded (Lolo TMDL, page 31). This AU exceeded the MDMT criterion 14 times. A survey of existing effective shade taken on seven stream segments in the subbasin showed that this AU lacks shade when compared to desired targets for their riparian vegetation types and bankfull widths. A potential natural vegetation temperature TMDL calls for more shade on this AU. Total Maximum Daily Load Section 5, page 49-59. Existing and potential solar loads, Table 13. Load allocations, pages 71-77.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17060306CL031_03 Jim Brown Creek - 3rd Order

5.52

MILES

Escherichia coli

Applicable QWS attained; original basis for listing was incorrect

6/2012 (CB) - This assessment unit was evaluated in the Lolo Creek Subbasin Assessment and TMDL, approved by EPA December 12, 2011. In November 2007, 30-day geometric mean monitoring using 5 E. coli bacteria samples collected at evenly-spaced time intervals within a 30 day period was generated and the corresponding calculated geometric mean concentration of 34 cfu/100 ml was below the Idaho water quality standard of 126 cfu/100 ml and determined to be fully supporting the secondary contact recreation beneficial use. (Table 6, page 35; Appendix B. Lolo Creek Tributaries Monitoring Data, Table B8, Jim Brown Creek at Mouth Geometric Mean E. coli concentration, page 119).

Nutrient/Eutrophication Biological Indicators

Applicable QWS attained; original basis for listing was incorrect

6/2012 (CB) - This AU is included in the Lolo Creek Tributaries Subbasin Assessment and TMDL, approved by EPA December 12, 2011. This AU showed no violations of the State's dissolved oxygen standard. No visible slime growths were observed during the subbasin assessment. The average total phosphorous concentration was 0.03 mg/L, which coincides with EPA criteria recommendation of all streams sampled in the eco-region. Nitrate + nitrite concentrations were below detection limits. For additional information refer to pages 35-36 and Table B4, page 116 of Appendix B of the TMDL.

Sedimentation/Siltation

Applicable QWS attained; original basis for listing was incorrect

6/2012 (CB) - This AU is included in the Lolo Creek Tributaries Subbasin Assessment and TMDL, approved by EPA December 12, 2011. The most available water column sediment data for application in this TMDL are reported as total suspended solids (TSS). A target range of a monthly average of 25 mg/L total suspended solids with a maximum daily limit of 50 mg/L to allow for natural variability was selected and applied to the concentrations measured in this AU. None of the measured concentrations exceeded this target range. For additional information refer to pages 33-34, Table 5 on page 34 and Appendix B, page 116 of the TMDL.

Temperature, water

TMDL approved or established by EPA (4A)

6/2012 (CB) - This AU is included in the Lolo Creek Tributaries Subbasin Assessment and TMDL, approved by EPA December 12, 2011. This AU was listed on the 1998 303(d) list for temperature and carried over into Category 5 of Idaho's 2010 Integrated Report. Instantaneous temperature readings were recorded in excess of the maximum daily maximum temperature (MDMT) salmonid spawning criterion. Although instantaneous temperature readings do not provide enough data to calculate daily averages or weekly mean temperatures, if a single measurement exceeds the MDMT limit it is known that the daily maximum is no less than that single measurement and therefore the criterion is exceeded (Lolo TMDL, page 31). This AU exceeded the MDMT criterion 14 times. A survey of existing effective shade taken on seven stream segments in the subbasin showed that this AU lacks shade when compared to desired targets for their riparian vegetation types and bankfull widths. A potential natural vegetation temperature TMDL calls for more shade on this AU. For additional information refer to pages 49-59 for the total maximum daily load(s), Table 13 on page 64, Figures 14-16 on pages 68-70 and pages 71-77.

ID17060306CL032_02 Musselshell Creek - 1st and 2nd order tributaries

30.83

MILES

Combined Biota/Habitat Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

6/2012 (CB) - This AU is included in the Lolo Creek Tributaries Subbasin Assessment and TMDL, approved by EPA December 12, 2011. This AU was water quality limited based on Beneficial Use Reconnaissance Program data indicating the biological assemblages and habitat conditions are degraded. Combined Biota/Habitat Bioassessments was utilized as a place holder until the Subbasin Assessment was completed and ambient monitoring data show impairment by a TMDL pollutant. This AU was found to be limited by temperature and a TMDL was completed. Lolo Creek Tributaries Subbasin Assessment and TMDL pages xxi-xxiii.

Temperature, water

TMDL approved or established by EPA (4A)

6/2012 (CB) - This AU is included in the Lolo Creek Tributaries Subbasin Assessment and TMDL, approved by EPA December 12, 2011. This AU was water quality limited based on Beneficial Use Reconnaissance Program data indicating the biological assemblages and habitat conditions are degraded. This AU was found to be limited by temperature and a TMDL was completed. Summary and analysis of existing water quality data, pages 28-37. Existing and potential solar loads, Table 14, page 64. Load allocations, pages 71-77.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17060306CL032_03	Musselshell Creek - 3rd Order	4.33	MILES
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Combined Biota/Habitat Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

7/5/2012 (NED) - This AU is included in the Lolo Creek Tributaries Subbasin Assessment and TMDL, approved by EPA December 12, 2011. This AU was water quality limited based on Beneficial Use Reconnaissance Program data indicating the biological assemblages and habitat conditions are degraded. Combined Biota/Habitat Bioassessments was utilized as a place holder until the Subbasin Assessment was completed and ambient monitoring data show impairment by a TMDL pollutant. This AU was found to be limited by temperature and a TMDL was completed. Lolo Creek Tributaries Subbasin Assessment and TMDL pages xxi-xxiii.

Temperature, water

TMDL approved or established by EPA (4A)

7/5/2012 (NED) - This AU is included in the Lolo Creek Tributaries Subbasin Assessment and TMDL, approved by EPA December 12, 2011. This AU was water quality limited based on Beneficial Use Reconnaissance Program data indicating the biological assemblages and habitat conditions are degraded. This AU was found to be limited by temperature and a TMDL was completed. In order to bring the 3rd order segment of Musselshell Creek back to its target load level of 517,007 kWh/day, the existing load of 701,113 kWh/day will need to be reduced by 184,107 kWh/day, which equals a 26% load reduction, to successfully restore this water to achieving WQS. For additional information refer to pages 28-37, Table 14 on page 64, Figures 14-16 on pages 68-70, and Table 15 on page 71 of the TMDL.

ID17060306CL061_02	West Fork Little Bear Creek - 1st and 2nd Order	38.53	MILES
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Nutrient/Eutrophication Biological Indicators

Applicable WQS attained; original basis for listing was incorrect

6/2012 (CB) - During the development of the Potlatch River Subbasin Assessment and TMDL, approved February 13, 2009, it was determined that the limiting nutrient in the West Fork Little Bear Creek was total inorganic nitrogen. Therefore, Nutrient/Eutrophication Biological Indicators is being delisted and replaced with Nitrogen (Total). The limiting nutrient analysis discussion is in Section 2.4, page 26; and the nutrient TMDL for West Fork Little Bear Creek (section 5.2) is described on pages 70-73. Monitoring data are found in Appendix B, page 158-161.

ID17060306CL061_03	West Fork Little Bear Creek - 3rd Order	9.22	MILES
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Nutrient/Eutrophication Biological Indicators

Applicable WQS attained; original basis for listing was incorrect

6/2012 (CB) - During the development of the Potlatch River Subbasin Assessment and TMDL, approved February 20, 2009, it was determined that the limiting nutrient in the West Fork Little Bear Creek was total inorganic nitrogen. Therefore, Nutrient/Eutrophication Biological Indicators is being delisted and replaced with Nitrogen (Total). The limiting nutrient analysis discussion is in Section 2.4, page 26; and the nutrient TMDL for West Fork Little Bear Creek (section 5.2) is described on pages 70-73. Monitoring data are found in Appendix B, page 158-161.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17060306CL067_02 Hatwai Creek - 1st and 2nd Order tributaries

42.51

MILES

Escherichia coli

TMDL approved or established by EPA (4A)

6/2012 (CB) - This AU is included in the Hatwai Creek Subbasin Assessment and TMDL, approved by EPA Dec. 28, 2010. E. coli bacteria were found to be above the concentration allowed by the Idaho Water Quality Standards based on a geometric mean calculated from a monitoring station near the mouth of Hatwai Creek. The TMDL determined the criterion of 126 cfu/100 ml and E. coli load reductions generated at the monitoring station apply to the 2nd and 3rd order AUs. Load capacity and load allocations for E. coli bacteria and geometric mean sampling events data located in Tables 9, 10, page 35. Data located in Table B-2, page 98.

Nitrogen, Nitrate

TMDL approved or established by EPA (4A)

6/2012 (CB) - Hatwai Creek was placed on Idaho's list of impaired water bodies for nutrients. During development of the SBA and TMDL, the analysis found nutrient concentrations, both in the forms of total phosphorus and nitrogen, were elevated significantly in relation to recommended levels. Based on this analyses, TMDLs were developed for this Hatwai Creek AU based on the available in-stream monitoring data for total phosphorus and nitrite plus nitrate-nitrogen. Existing pollutant loads, wasteload allocations, and data are found in the Hatwai Creek Subbasin Assessment and TMDLs (Lower Clearwater HUC 17060306), September, 2010; pages 24-27; 36-42. Hatwai Creek Monitoring Data, Table B-1, page 97.

Nutrient/Eutrophication Biological Indicators

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

6/2012 (CB) - Hatwai Creek was placed on Idaho's list of impaired water bodies for nutrients. During development of the SBA and TMDL, the analysis found nutrient concentrations, both in the forms of total phosphorus and nitrogen, were elevated significantly in relation to recommended levels. Based on this analyses, TMDLs were developed for this Hatwai Creek AU based on the available in-stream monitoring data for total phosphorus and nitrite plus nitrate-nitrogen. Existing pollutant loads, wasteload allocations, and data are found in the Hatwai Creek Subbasin Assessment and TMDLs (Lower Clearwater HUC 17060306), approved December 28, 2010; pages 24-27; 36-42.

Phosphorus (Total)

TMDL approved or established by EPA (4A)

6/2012 (CB) - Hatwai Creek was placed on Idaho's list of impaired water bodies for nutrients. During development of the SBA and TMDL, the analysis found nutrient concentrations, both in the forms of total phosphorus and nitrogen, were elevated significantly in relation to recommended levels. Based on this analyses, TMDLs were developed for this Hatwai Creek AU based on the available in-stream monitoring data for total phosphorus and nitrite plus nitrate-nitrogen. Existing pollutant loads, wasteload allocations, and data are found in the Hatwai Creek Subbasin Assessment and TMDLs (Lower Clearwater HUC 17060306), approved December 28, 2010; pages 24-27; 36-42. Hatwai Creek Monitoring data, Table B-1, page 97.

Temperature, water

TMDL approved or established by EPA (4A)

6/2012 (CB) - This assessment unit is included in the Hatwai Creek Subbasin Assessment and TMDLs, approved by EPA, December 28, 2010. A potential natural vegetation (PNV) temperature TMDL that calls for more riparian shade in Hatwai Creek has been developed. Existing and Potential Solar Loads for Hatwai Creek, Pages 56-57. Percent Target Shade for Stream Segments in Hatwai Creek, Regional Shade Curves, Figures 8-10, pages 53-55. Instantaneous temperature data, Table B-1, page 97.

17060307

Upper North Fork Clearwater

ID17060307CL007_02b Hem Creek - source to mouth

9.97

MILES

Temperature, water

Applicable WQS attained; original basis for listing was incorrect

10/01/2012 (NED and DAE) - In response to EPA's final action on Idaho's 2008 Integrated Report that disapproved the removal of temperature on Hem Creek, DEQ conducted additional field investigations in 2009. The findings of the field investigations conducted on the riparian shade condition of Hem Creek concluded that Hem Creek's exceedance of numeric temperature criteria is a natural condition and thus not a violation of Idaho's water quality standard, per IDAPA 58.01.02 section 200.09. The presence of timber management seen from aerial photographs or on the ground does not constitute a violation of water quality standards. Minor levels of disturbance in a watershed do not preclude natural conditions of temperature or other attributes of water quality. Nature, extent, proximity, and age of disturbance all matter.

While temperature data clearly show exceedance of Idaho's salmonid spawning criteria applied to a spawning period for cutthroat trout that extends from May 1 to July 31, there is not a human cause to explain this exceedance. There was no evidence of an old riparian road along a portion of lower Hem Creek as asserted by EPA in their response to the delisting of temperature in the draft 2008 Integrated Report. Hem Creek does not flow through any of the recovering harvest units, and those units are set well back from the channel, respecting harvest practice at the time (75-foot buffers). Vegetation regrowth within the 1994 harvest units has created a closed canopy with tree heights reaching 30 feet. Loss of stream shade, while not absent, is small and mainly attributable to human disturbance near the mouth at the Forest Service Road 5216 crossing.

The results of the PNV analysis and on-site investigation of riparian condition leads DEQ to conclude human-caused depression in riparian shade is less than 1% and does not account for observed exceedance of numeric temperature criteria to protect salmonid spawning. The healthy macroinvertebrate community and robust cutthroat trout population indicates the stream's natural structural, functional, and taxonomic integrity are preserved.

For additional information, refer to the Hem Creek 2009 Field Investigations report (Essig et al. 2012).

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

Panhandle

17010104

Lower Kootenai

ID17010104PN004_02 Blue Joe Creek - source to Idaho/Canadian border

15.42

MILES

pH

Applicable WQS attained; original basis for listing was incorrect

1/17/2013 (NED) - Blue Joe Creek (WQLS 1391) was first listed for pH on the 1994 §303(d) list, which was promulgated by EPA as part of the first total maximum daily load lawsuit. EPA listed this water solely because it was listed in Appendix D: Idaho Impaired Stream Segments Requiring Further Assessment of DEQ's 1992 Water Quality Status Report. Although Blue Joe was captured in this report, the original assessment was not based on any actual water quality monitoring data (biological, physical, or chemical). It was presumed that since mining activities had occurred in the headwaters of Blue Joe Creek and elevated metals had been detected in Blue Joe Creek that pH must have been altered.

When EPA elected to list Blue Joe Creek on the 1994 §303(d) list for pH, they did not consider the study conducted by Nikolaus Gerhardt in February 1981. The study confirmed that it was apparent that water quality and habitat in Blue Joe Creek continued to be degraded by the historical activities by the Idaho Continental Mine, specifically the release of metals from the tailing piles. However, the nine (9) pH readings collected between May-September 1980 indicated pH in Blue Joe Creek to be near neutral.

To improve the condition of Blue Joe Creek, two remediation efforts have been conducted at the Continental mine site. The first was conducted in 1987 by the Idaho National Guard and was limited in scope. The second remedial effort was a CERCLA action headed up by EPA and was more robust and consisted of three phases. Phase I was completed in 2003 with efforts focused on clean-up of the mine site and reconstruction of Blue Joe Creek through the former mill tailings impoundment to prevent migration of mine-waste-contaminated soils and sediment into Blue Joe Creek and downstream Boundary Creek. Phase II was completed in 2005 and addressed removal of tailings from the last two miles of the Blue Joe Creek floodplain. In addition, 900 feet of stream alluvial material was screened with the finer contaminated portion being removed. Nearly 6,000 tons of mine tailings and 700 tons of finer contaminated screened material were removed. Approximately 1,500 feet of Blue Joe Creek was reconstructed/reclaimed during this phase of remediation. Phase III, the final phase, was in 2006 and removed contaminated stream alluvial material from the last 6,000 feet of Blue Joe Creek. This phase removed 4,500 tons of contaminated material, with an estimated 3,000 feet of stream channel reconstruction/reclamation. The CERCLA effort, and all its phases, has isolated Blue Joe Creek from the mine's tailing piles, the source of elevated instream metals concentrations.

Following the removal of metals-contaminated sediment, capping of existing tailings piles, restoration of riparian habitat, channel restoration, and rock armoring to protect stream banks, U.S. Fish and Wildlife Service (USFWS) collected a pH reading of 5.92 from a seep at the toe of the repository at the Continental Mine site in July 2006. At the time USFWS collected the sample, the seep where it entered Blue Joe Creek and Blue Joe Creek where the seep entered were one in the same. On August 2, 2011, five years after USFWS collected their pH reading; DEQ collected a pH reading approximately 250 feet downstream (48°55'37", -116°53'28") of where USFWS showed an exceedance in 2006. The sample location was below where the seeps and tailings conjugated and was appropriately representative of the stream. The pH reading was measured with a calibrated pH meter and the result was 7.66, well within Idaho's water quality criterion of 6.5-9.0. Even though the seep flows into Blue Joe Creek, the pH of the seep appears not to be impacting the water quality of Blue Joe Creek, hence the neutral pH reading. Therefore, DEQ is proposing to delist Blue Joe Creek for pH.

17010215

Priest

ID17010215PN001_05 Lower Priest River-Upper West Branch Priest River to mouth

35.97

MILES

Combined Biota/Habitat Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

1/3/2012 (NED) - The delisting of combined biota/habitat bioassessments in preceding reports was simply an oversight. Sediment and temperature have been identified as causing the biological impairment in the Lower Priest River. The sediment TMDL was approved June 23, 2003 and the temperature TMDL is currently under development. No additional impairments were identified during the subbasin assessments for this reach.

17010301

Upper Coeur d Alene

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17010301PN020_02	Tepee Creek - headwaters and tributaries	48.54	MILES
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Sedimentation/Siltation

Applicable WQS attained; due to restoration activities

7/2/2012 (K. Stromberg) - Upper Tepee Creek was listed as impaired due to sediment in 1994 and a sediment TMDL was developed in 2001. The TMDL analysis identified the primary source of sediment impairment as forest roads. From 1990 to 2010, the USFS removed or repaired failing roads, restored riparian areas and implemented in-stream habitat improvement projects to reduce sediment loading and restore cold water aquatic life. Model estimates indicate loading from restoration treatments have approached the TMDL load reduction targets in the headwaters of the Tepee Creek watershed. Field studies of habitat, macroinvertebrates and fish show significant improvements and demonstrate that water quality has improved and there is no impairment to cold water aquatic life from sediment in this stream. The source and pathways of sediment loading to the stream have been treated, and loading is now thought to be within the assimilative capacity of the stream. There is no longer a measurable adverse effect from sediment on cold water aquatic life in Upper Tepee Creek. As a result, DEQ proposes to remove the impaired Upper Tepee Creek assessment unit from the state's list of impaired waters in 2012 with regard to sediment.

ID17010301PN020_03	Tepee Creek-between Short Creek and Trail Creek	4.6	MILES
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Sedimentation/Siltation

Applicable WQS attained; due to restoration activities

7/2/2012 (K. Stromberg) - Middle Tepee Creek (Tepee Creek between Short Cr and Trail Cr) was listed as impaired due to sediment in 1994 and a sediment TMDL was developed in 2001. The TMDL analysis identified the primary source of sediment impairment as forest roads. From 1990 to 2010, the USFS removed or repaired failing roads, restored riparian areas and implemented in-stream habitat improvement projects to reduce sediment loading and restore cold water aquatic life. Model estimates indicate loading from restoration treatments have approached the TMDL load reduction targets in the headwaters of the Tepee Creek watershed. Field studies of habitat, macroinvertebrates and fish show significant improvements and demonstrate that water quality has improved and there is no impairment to cold water aquatic life from sediment in this stream. The source and pathways of sediment loading to the stream have been treated, and loading is now thought to be within the assimilative capacity of the stream. There is no longer a measurable adverse effect from sediment on cold water aquatic life in Middle Tepee Creek. As a result, DEQ proposes to remove the impaired Middle Tepee Creek assessment unit from the state's list of impaired waters in 2012 with regard to sediment.

ID17010301PN024_02	Yellowdog Creek - Headwaters to NF CDA River	12.21	MILES
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Sedimentation/Siltation

Applicable WQS attained; due to restoration activities

7/2/2012 (K. Stromberg) - Yellowdog Creek was listed as impaired due to sediment in 1994 and a sediment TMDL was developed in 2001. The TMDL analysis identified the primary source of sediment impairment in Yellowdog Creek as forest roads. From 2000 to 2006, the USFS removed or repaired failing roads, restored riparian areas and implemented in-stream habitat improvement projects to reduce sediment loading and restore cold water aquatic life. Model estimates indicate loading from restoration treatments have effectively attained the TMDL load reduction targets. Field studies of habitat, macroinvertebrates and fish show significant improvements and demonstrate that water quality has improved and there is no impairment to cold water aquatic life from sediment in this stream. The source and pathways of sediment loading to the stream have been treated, and loading is now thought to be within the assimilative capacity of the stream. There is no longer a measurable adverse effect from sediment on cold water aquatic life in Yellowdog Creek. As a result, DEQ proposes to remove the impaired Yellowdog Creek assessment unit from the state's list of impaired waters in 2012 with regard to sediment.

ID17010301PN028_03	Steamboat Creek and West Fork Steamboat Cr. below Comfy Cr.	6.87	MILES
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Sedimentation/Siltation

Applicable WQS attained; due to restoration activities

7/2/2012 (K. Stromberg) - Steamboat Creek was listed as impaired due to sediment in 1994 and a sediment TMDL was developed in 2001. The TMDL analysis identified the primary source of sediment impairment in Steamboat Creek as forest roads. Beginning in 1998, extensive watershed restoration took place throughout the Steamboat Creek watershed. The USFS removed or repaired failing roads, restored riparian areas and implemented in-stream habitat improvement projects to reduce sediment loading and restore cold water aquatic life. Model estimates indicate loading from restoration treatments have approached the TMDL load reduction targets. Field studies of habitat, macroinvertebrates and fish show significant improvements and demonstrate that water quality has improved and there is no impairment to cold water aquatic life from sediment in this stream. The source and pathways of sediment loading to the stream have been treated, and loading is now thought to be within the assimilative capacity of the stream. There is no longer a measurable adverse effect from sediment on cold water aquatic life in Steamboat Creek. As a result, DEQ proposes to remove the impaired Steamboat Creek assessment unit from the state's list of impaired waters in 2012 with regard to sediment.

17010303

Coeur d Alene Lake

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17010303PN009L_0L Black Lake		376.69	ACRES
Cause Unknown	Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)		
7/19/2012 (NED) - During the development of the Black Lake Subbasin Assessment and TMDL, approved August 31, 2011, DEQ determined the limiting nutrient to be total phosphorus (TP). Therefore, cause unknown has been delisted and replaced with total phosphorus which has been moved to Category 4a. In order to achieve the water quality target of 20 ug/L, the existing load of 617 kg/yr TP needs to be reduced to 220 kg/yr TP which is an overall percent reduction of 64 percent. For TMDL allocation results, refer to pages 53-55 of the TMDL.			
Phosphorus (Total)	TMDL approved or established by EPA (4A)		
7/19/2012 (NED) - During the development of the Black Lake Subbasin Assessment and TMDL, approved August 31, 2011, DEQ determined the limiting nutrient to be total phosphorus (TP). Therefore, cause unknown has been delisted and replaced with total phosphorus. In order to achieve the water quality target of 20 ug/L, the existing load of 617 kg/yr TP needs to be reduced to 220 kg/yr TP which is an overall percent reduction of 64 percent. For TMDL allocation results, refer to pages 53-55 of the TMDL.			
17010304		St. Joe	
ID17010304PN009_02 John Creek - source to mouth		28.37	MILES
Temperature, water	TMDL approved or established by EPA (4A)		
2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35. Temperature has been moved to Category 4a.			
ID17010304PN013_02 Tyson Creek - headwaters to mouth		14.15	MILES
Benthic-Macroinvertebrate Bioassessments	Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)		
2012 (R. Steed) - Benthic Macroinvertebrate Bioassessments was originally listed due to a low stream macroinvertebrate index (SMI) score in 2001. During the development of the St. Maries River Subbasin Assessment and TMDL, approved August 21, 2001, DEQ determined excess sediment to be cause of the low SMI score in Tyson Creek. Therefore, benthic macroinvertebrate bioassessments has been delisted and replaced with sediment which has been moved to Category 4a.			
ID17010304PN013_03 Tyson Creek - source to mouth		2.14	MILES
Temperature, water	TMDL approved or established by EPA (4A)		
2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35. Temperature has been moved to Category 4a.			
ID17010304PN014_02 Carpenter Creek - source to mouth		27.55	MILES
Temperature, water	TMDL approved or established by EPA (4A)		
2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35. Temperature has been moved to Category 4a.			
ID17010304PN019_03 Gold Center Creek - source to mouth		2.16	MILES
Benthic-Macroinvertebrate Bioassessments	Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)		
2012 (R. Steed) - Benthic Macroinvertebrate Bioassessments was originally listed due to low stream macroinvertebrate index (SMI) scores from 1995, 1996 and 2001. During the development of the St. Maries River Subbasin Assessment and TMDL, approved August 21, 2001, DEQ determined the cause of the low SMI score to be temperature. Water temperature data collected in 1997 and again in 2002 showed an exceedance of Idaho's temperature criteria. The results from the sediment model developed in 2003 showed sediment to below the sediment model targets for the watershed which eliminates sediment as a pollutant of concern in Gold Center Creek. Therefore, Benthic Macroinvertebrate Bioassessments has been delisted and replaced with temperature which has been moved to Category 4a. Refer to the St. Joe Subbasin 2010 Integrated Report Macroinvertebrate Bioassessment Listing document for details.			

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17010304PN020_03 Merry Creek - source to mouth	5.14	MILES
Temperature, water TMDL approved or established by EPA (4A)		
2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35. Temperature has been moved to Category 4a.		
ID17010304PN026_02 Thorn Creek - upper	35.2	MILES
Temperature, water TMDL approved or established by EPA (4A)		
2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35. Temperature has been moved to Category 4a.		
ID17010304PN026_03 Thorn Creek - lower	1.91	MILES
Temperature, water TMDL approved or established by EPA (4A)		
2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35. Temperature has been moved to Category 4a.		
ID17010304PN027_05 St. Joe River - North Fork St. Joe River to St. Maries River	52.65	MILES
Temperature, water TMDL approved or established by EPA (4A)		
2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35. Temperature has been moved to category 4a.		
ID17010304PN031_04 Marble Creek - Hobo Creek to mouth	11.84	MILES
Temperature, water TMDL approved or established by EPA (4A)		
2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35. Temperature has been moved to Category 4a.		
ID17010304PN041_02 Tributaries to St. Joe River- Headwaters to NF St. Joe River	141.96	MILES
Temperature, water Applicable WQS attained; according to new assessment method		
2012 (R. Steed) - As a result of the development of the 2011 Potential Natural Vegetation (PNV) TMDL, it has been determined that this assessment unit is meeting TMDL shade targets and is not water quality limited. "This watershed exhibits riparian vegetation communities at or near PNV and is relatively unentered and has land-use practices (e.g. lack of roads, timber harvest, or other anthropogenic removal of riparian vegetation) consistent with the development and maintenance of full PNV." In addition, the biological data collected in this assessment unit shows full support of the aquatic life beneficial uses. The basis for these findings can be found in the EPA approved TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads: Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads", approved December 5, 2011, in Table C on page xxi and Appendix A, page 69.		
ID17010304PN046_02 Mosquito Creek - source to mouth	10.49	MILES
Temperature, water Applicable WQS attained; according to new assessment method		
2012 (R. Steed) -As a result of the development of the 2011 Potential Natural Vegetation (PNV) TMDL, it has been determined that this assessment unit is meeting TMDL shade targets and is not water quality limited. "This watershed exhibits riparian vegetation communities at or near PNV and is relatively unentered and has land-use practices (e.g. lack of roads, timber harvest, or other anthropogenic removal of riparian vegetation) consistent with the development and maintenance of full PNV." In addition, the biological data collected in this assessment unit shows full support of the aquatic life beneficial uses. The basis for these findings can be found in the EPA approved TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads: Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads", approved December 5, 2011, in Table C on page xxi and Appendix A, page 69.		

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17010304PN047_02	Fly Creek - source to mouth	6	MILES
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Temperature, water

Applicable WQS attained; according to new assessment method

2012 (R. Steed) - As a result of the development of the 2011 Potential Natural Vegetation (PNV) TMDL, it has been determined that this assessment unit is meeting TMDL shade targets and is not water quality limited. "This watershed exhibits riparian vegetation communities at or near PNV and is relatively unentered and has land-use practices (e.g. lack of roads, timber harvest, or other anthropogenic removal of riparian vegetation) consistent with the development and maintenance of full PNV." In addition, the biological data collected in this assessment unit shows full support of the aquatic life beneficial uses. The basis for these findings can be found in the EPA approved TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads: Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads", approved December 5, 2011, in Table C on page xxi and Appendix A, page 69.

ID17010304PN048_02	Beaver Creek - source to mouth	10.79	MILES
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Temperature, water

Applicable WQS attained; according to new assessment method

2012 (R. Steed) - As a result of the development of the 2011 Potential Natural Vegetation (PNV) TMDL, it has been determined that this assessment unit is meeting TMDL shade targets and is not water quality limited. "This watershed exhibits riparian vegetation communities at or near PNV and is relatively unentered and has land-use practices (e.g. lack of roads, timber harvest, or other anthropogenic removal of riparian vegetation) consistent with the development and maintenance of full PNV." In addition, the biological data collected in this assessment unit shows full support of the aquatic life beneficial uses. The basis for these findings can be found in the EPA approved TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads: Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads", approved December 5, 2011, in Table C on page xxi and Appendix A, page 69.

ID17010304PN062_03	Slate Creek - source to mouth	14.49	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35. Temperature has been moved to category 4a.

ID17010304PN063_02	Big Creek - source to mouth	46.32	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on Dec 05, 2011. The loads can be found on pages 34 and 35. Temperature has been moved to category 4a.

ID17010304PN063_03	Big Creek - source to mouth	11.62	MILES
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Benthic-Macroinvertebrate Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

2012 (R. Steed) - The newest BURP data suggests full support of beneficial uses. The low percent fines measured during the two newest BURP surveys, the passing BURP scores, and the low embeddedness scores suggests that fine sediment is not negatively impacting aquatic life beneficial uses. A temperature TMDL has been developed to address the water temperature exceedance. The macroinvertebrate bioassessment listing should be removed from Category 5 of the Integrated Report, and the assessment unit should be moved to Category 4a because of the completed and approved temperature TMDL. Refer to the St. Joe Subbasin 2010 Integrated Report Macroinvertebrate Bioassessment Listing document for details.

Temperature, water

TMDL approved or established by EPA (4A)

2012 (R. Steed) - This AU has had a Potential Natural Vegetation TMDL developed for it. The TMDL "St. Joe River Subbasin, Temperature Total Maximum Daily Loads Addendum to the St. Joe River Subbasin Assessment and Total Maximum Daily Loads and St. Maries River Subbasin Assessment and Total Maximum Daily Loads" was approved by EPA on December 05, 2011. The loads can be found on pages 34 and 35.

Salmon

17060101

Hells Canyon

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17060101SL003_08	Snake River - Hells Canyon Dam to Sheep Creek	17.91	MILES
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Oxygen, Dissolved

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

3/8/2012 (HS) - Dissolved oxygen was mistakenly added as a cause on the 2006 list. This assessment unit is actually impaired by Dissolved Gas Supersaturation, for which a TMDL has been written. No data indicate, and there is no reason to believe, that this part of the Snake River is impaired by low dissolved oxygen levels. Dissolved oxygen was listed in error, based upon an incorrect notion that the stream was impaired by 'too much' dissolved oxygen. Clearly, this problem has already been addressed by the dissolved gas supersaturation TMDL.

ID17060101SL004_03	Deep Creek - 3rd order (Lake Creek to mouth)	6.78	MILES
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Cause Unknown

Applicable WQS attained; according to new assessment method

3/8/2012 (HS) - This assessment unit was listed as Cause Unknown (metals suspected impairment) on the 1998 303(d) list. It is not known whether water column data were ever collected to support the listing. It is possible that the creek was listed based upon the mere presence of the Red Ledge Mine, an abandoned adit several miles up in the drainage.

In spring 2011, DEQ employees visited the site and collected water samples from the creek immediately below the mine outfall. The results were below criteria for all analytes, which included arsenic, zinc, chromium and mercury.

All BURP sites have passed, except one, which used a surber sampler to collect bugs at a discharge of 58cfs. This might explain the low MBI score.

pH

Applicable WQS attained; according to new assessment method

3/8/2012 (HS) - This assessment unit was listed for pH on the 1998 303(d) list. It is not known whether water column data were ever collected to support the listing. It is possible that the creek was listed based upon the mere presence of the Red Ledge Mine, an abandoned adit several miles up in the drainage.

In spring 2011, DEQ employees visited the site and collected water samples from the creek immediately below the mine outfall. The stream pH was 7.13, which is well within the water quality criteria.

All BURP sites have passed, except one, which used a surber sampler to collect bugs at a discharge of 58cfs. This might explain the low MBI score.

Sedimentation/Siltation

Applicable WQS attained; according to new assessment method

3/8/2012 (HS) - This assessment unit was listed for sedimentation the 1998 303(d) list. It is not known whether water column data were ever collected to support the listing. It is possible that the creek was listed based upon the mere presence of the Red Ledge Mine, an abandoned adit several miles up in the drainage.

In spring 2011, DEQ employees visited the site and conducted a streambank stability survey between the Red Ledge Mine and Oxbow Creek. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.

DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 96% stable. This indicates that erosion is minimal. and that the assessment unit is not impaired by sediment.

All BURP sites have passed, except one, which used a surber sampler to collect bugs at a discharge of 58cfs. This might explain the low MBI score.

17060103

Lower Snake-Asotin

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17060103SL014_02 Tammany Creek - WBID 015 to unnamed tributary

14.58

MILES

Escherichia coli

TMDL approved or established by EPA (4A)

6/2012 (CB) - This AU is included in the Tammany Creek Watershed TMDL Addendum, approved by EPA December 17, 2010. The TMDL addendum applies a bacteria TMDL from the monitoring station near the mouth upstream to the headwaters of Tammany Creek to restore in-stream bacteria concentrations to the criterion value of 126 col/100 mL. For additional information refer to pages 4-6 of the TMDL.

Nitrogen, Nitrate

TMDL approved or established by EPA (4A)

6/2012 (CB) - A nutrient analyses was completed in the 2001 TMDL as supplemental appendices. The original analysis found nutrient concentrations, both in the forms of phosphorus and nitrogen, were elevated significantly in relation to recommended levels. An instantaneous dissolved oxygen measurement of 5.9 (below standard of 6.0 mg/L) was also documented within Tammany Creek. Based on the analyses, Tammany Creek was placed in Section 5 of Idaho's 2008 Integrated Report using 'nutrients' as a placeholder. This AU is included in the Tammany Creek Watershed TMDL Addendum, approved by EPA, December 17, 2010. Based on the available in-stream monitoring data, nutrient TMDLs were developed for both total phosphorus and nitrite plus nitrate as nitrogen. Existing pollutant loads, wasteload allocations, and data are found in the TMDL on pages 9-13.

Nutrient/Eutrophication Biological Indicators

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

6/2012 (CB) - A nutrient analyses was completed in the 2001 TMDL as supplemental appendices. The original analysis found nutrient concentrations, both in the forms of phosphorus and nitrogen, were elevated significantly in relation to recommended levels. An instantaneous dissolved oxygen measurement of 5.9 (below standard of 6.0 mg/L) was also documented within Tammany Creek. Based on the analyses, Tammany Creek was placed in Section 5 of Idaho's 2008 Integrated Report using 'nutrients' as a placeholder. This AU is included in the Tammany Creek Watershed TMDL Addendum, approved by EPA, December 17, 2010. Based on the available in-stream monitoring data, nutrient TMDLs were developed for both total phosphorus and nitrite plus nitrate as nitrogen. For additional information refer to pages 4-6 of the TMDL.

Phosphorus (Total)

TMDL approved or established by EPA (4A)

6/2012 (CB) - A nutrient analyses was completed in the 2001 TMDL as supplemental appendices. The original analysis found nutrient concentrations, both in the forms of phosphorus and nitrogen, were elevated significantly in relation to recommended levels. An instantaneous dissolved oxygen measurement of 5.9 (below standard of 6.0 mg/L) was also documented within Tammany Creek. Based on the analyses, Tammany Creek was placed in Section 5 of Idaho's 2008 Integrated Report using 'nutrients' as a placeholder. This AU is included in the Tammany Creek Watershed TMDL Addendum, approved by EPA, December 17, 2010. Based on the available in-stream monitoring data, nutrient TMDLs were developed for both total phosphorus and nitrite plus nitrate as nitrogen. Existing pollutant loads, wasteload allocations, and data are found in the TMDL on pages 9-13.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17060103SL014_03 Tammany Creek - Unnamed Tributary to mouth

4.26

MILES

Escherichia coli

TMDL approved or established by EPA (4A)

6/2012 (CB) - This AU is included in the Tammany Creek Watershed TMDL Addendum, approved by EPA December 17, 2010. The TMDL addendum applies a bacteria TMDL from the monitoring station near the mouth upstream to the headwaters of Tammany Creek to restore in-stream bacteria concentrations to the criterion value of 126 col/100 mL. For additional information refer to pages 4-6 of the TMDL.

Nitrogen, Nitrate

TMDL approved or established by EPA (4A)

6/2012 (CB) - A nutrient analyses was completed in the 2001 TMDL as supplemental appendices. The original analysis found nutrient concentrations, both in the forms of phosphorus and nitrogen, were elevated significantly in relation to recommended levels. An instantaneous dissolved oxygen measurement of 5.9 (below standard of 6.0 mg/L) was also documented within Tammany Creek. Based on the analyses, Tammany Creek was placed in Section 5 of Idaho's 2008 Integrated Report using 'nutrients' as a placeholder. This AU is included in the Tammany Creek Watershed TMDL Addendum, approved by EPA, December 17, 2010. Based on the available in-stream monitoring data, nutrient TMDLs were developed for both total phosphorus and nitrite plus nitrate as nitrogen. Existing pollutant loads, wasteload allocations, and data are found in the TMDL on pages 9-13.

Nutrient/Eutrophication Biological Indicators

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

6/2012 (CB) - A nutrient analyses was completed in the 2001 TMDL as supplemental appendices. The original analysis found nutrient concentrations, both in the forms of phosphorus and nitrogen, were elevated significantly in relation to recommended levels. An instantaneous dissolved oxygen measurement of 5.9 (below standard of 6.0 mg/L) was also documented within Tammany Creek. Based on the analyses, Tammany Creek was placed in Section 5 of Idaho's 2008 Integrated Report using 'nutrients' as a placeholder. This AU is included in the Tammany Creek Watershed TMDL Addendum, approved by EPA, December 17, 2010. Based on the available in-stream monitoring data, nutrient TMDLs were developed for both total phosphorus and nitrite plus nitrate as nitrogen. For additional information refer to pages 4-6 of the TMDL.

Phosphorus (Total)

TMDL approved or established by EPA (4A)

6/2012 (CB) - A nutrient analyses was completed in the 2001 TMDL as supplemental appendices. The original analysis found nutrient concentrations, both in the forms of phosphorus and nitrogen, were elevated significantly in relation to recommended levels. An instantaneous dissolved oxygen measurement of 5.9 (below standard of 6.0 mg/L) was also documented within Tammany Creek. Based on the analyses, Tammany Creek was placed in Section 5 of Idaho's 2008 Integrated Report using 'nutrients' as a placeholder. This AU is included in the Tammany Creek Watershed TMDL Addendum, approved by EPA, December 17, 2010. Based on the available in-stream monitoring data, nutrient TMDLs were developed for both total phosphorus and nitrite plus nitrate as nitrogen. Existing pollutant loads, wasteload allocations, and data are found in the TMDL on pages 9-13.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17060103SL016_02	Tammany Creek-source to Unnamed Tributary(T34N, R04W, Sec19)	18.63	MILES
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Escherichia coli

TMDL approved or established by EPA (4A)

6/2012 (CB) - This AU is included in the Tammany Creek Watershed TMDL Addendum, approved by EPA December 17, 2010. The TMDL addendum applies a bacteria TMDL from the monitoring station near the mouth upstream to the headwaters of Tammany Creek to restore in-stream bacteria concentrations to the criterion value of 126 col/100 mL. For additional information refer to pages 4-6 of the TMDL.

Nitrogen, Nitrate

TMDL approved or established by EPA (4A)

6/2012 (CB) - A nutrient analyses was completed in the 2001 TMDL as supplemental appendices. The original analysis found nutrient concentrations, both in the forms of phosphorus and nitrogen, were elevated significantly in relation to recommended levels. An instantaneous dissolved oxygen measurement of 5.9 (below standard of 6.0 mg/L) was also documented within Tammany Creek. Based on the analyses, Tammany Creek was placed in Section 5 of Idaho's 2008 Integrated Report using 'nutrients' as a placeholder. This AU is included in the Tammany Creek Watershed TMDL Addendum, approved by EPA, December 17, 2010. Based on the available in-stream monitoring data, nutrient TMDLs were developed for both total phosphorus and nitrite plus nitrate as nitrogen. Existing pollutant loads, wasteload allocations, and data are found in the TMDL on pages 9-13.

Nutrient/Eutrophication Biological Indicators

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

6/2012 (CB) - A nutrient analyses was completed in the 2001 TMDL as supplemental appendices. The original analysis found nutrient concentrations, both in the forms of phosphorus and nitrogen, were elevated significantly in relation to recommended levels. An instantaneous dissolved oxygen measurement of 5.9 (below standard of 6.0 mg/L) was also documented within Tammany Creek. Based on the analyses, Tammany Creek was placed in Section 5 of Idaho's 2008 Integrated Report using 'nutrients' as a placeholder. This AU is included in the Tammany Creek Watershed TMDL Addendum, approved by EPA, December 17, 2010. Based on the available in-stream monitoring data, nutrient TMDLs were developed for total phosphorus and nitrite plus nitrate as nitrogen. Existing pollutant loads, wasteload allocations, and data are found in the TMDL on pages 9-13.

Phosphorus (Total)

TMDL approved or established by EPA (4A)

6/2012 (CB) - A nutrient analyses was completed in the 2001 TMDL as supplemental appendices. The original analysis found nutrient concentrations, both in the forms of phosphorus and nitrogen, were elevated significantly in relation to recommended levels. An instantaneous dissolved oxygen measurement of 5.9 (below standard of 6.0 mg/L) was also documented within Tammany Creek. Based on the analyses, Tammany Creek was placed in Section 5 of Idaho's 2008 Integrated Report using 'nutrients' as a placeholder. This AU is included in the Tammany Creek Watershed TMDL Addendum, approved by EPA, December 17, 2010. Based on the available in-stream monitoring data, nutrient TMDLs were developed for total phosphorus and nitrite plus nitrate as nitrogen. Existing pollutant loads, wasteload allocations, and data are found in the TMDL on pages 9-13.

17060201 Upper Salmon

ID17060201SL001_02	Salmon River - Pennal Gulch to Pahsimeroi River	93.32	MILES
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Escherichia coli

Applicable WQS attained; reason for recovery unspecified

6/20/2012 (NED) - Recent E. coli data shows a geomean of 2.9 col/100 mL which is less than the 126 col/100 mL criterion value. Therefore, the recreational use of this water body is no longer considered to be impaired by bacteria.

ID17060201SL024_02	Aspen Creek - source to mouth	5.58	MILES
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Temperature, water

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

4/3/2012 (NED) - Due to a digitizing error, the EPA temperature addition to Idaho's 1998 303(d) list was erroneously associated with Aspen Creek. The temperature listing was only to be applied to Squaw Creek-source to mouth. Since there is no existing or readily available data to support a beneficial use attainment determination, Aspen Creek has been moved to Category 3.

ID17060201SL048_03	Basin Creek - East Basin Creek to mouth	2.36	MILES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

9/6/2012 (NED) - Sediment was erroneously listed for this water body. Recent review of the existing data (BURP ID 2001SIDFA144) did not suggest a sediment problem in Basin Creek. Percent fines showed 14.39% of the substrate consisted of material less than or equal to 2.5 mm in size. According to DEQ's Guide to Selection of Sediment Targets for Use in Idaho TMDLs, most impairment is noted when percent fines of this size are greater than 30%. Stream bank stability was determined to be excellent with 100% of the stream rated as covered and stable. However, the 2001 BURP data does suggest there is a biological impairment. Therefore, combined biota/bioassessments has been listed in Category 5 and sediment has been delisted.

17060204 Lemhi

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17060204SL001_06	Lemhi River - Kenney Creek to mouth	24.63	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

5/8/2013 (NED) - The temperature load reductions are provided in Section 5.1 of the "Lemhi River Subbasin TMDL Addendum and Five-Year Review" approved February 27, 2013. This AU, along with AUs ID17060204SL030_04, ID17060204SL030_05, ID17060204SL025_05, ID17060204SL024_05, ID17060204SL005_06, ID17060204SL004_06 and ID17060204SL003a_06, carries a current heat load of 7,600,000 kWh/day with a load capacity of 5,100,000 kWh/day, equaling an excess load of 2,500,000 kWh/day-which equals a 33% load reduction. There is no continuous temperature data to suggest temperature impairment in AUs ID17060204SL003a_06, ID17060204SL004_06, ID17060204SL005_06, ID17060204SL024_05, and ID17060204SL025_05; however, are receiving source temperature load allocations due to being contributing sources of thermal loading in the immediate downstream segments. For additional information refer to Section 5.1.6, Table 19 on pages 53-54, Figures 27-29 on pages 69-71 and Section 5.1.7, Table 22 on page 76 of the TMDL.

Total Coliform

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

3/6/2013 (NED) - TMDLs have been approved for both E. coli and fecal coliform in 2000. It was an oversight that total coliform was not delisted when the Lemhi TMDLs were approved 3/14/2000. For additional information refer to pages 37- 51 and 184-186 of the Lemhi TMDL.

ID17060204SL026a_02	Mill Creek - diversion (T16N, R24E, Sec. 22) to mouth	10.4	MILES
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Cause Unknown

Applicable WQS attained; due to restoration activities

3/6/2013 (DDS) - Prior to 2011, a headgate at the upstream point of this AU has historically diverted all of the flow of Mill Creek into the L-52 ditch for irrigating cropland. Until the removal of the diversion structure, the only water existing in this AU was excess return flow from diverted irrigation water. However, due to work between 2004 and 2011 by the Upper Salmon Basin Watershed Project, this headgate structure was removed and Mill Creek streamflow is now connected with the Lemhi River. This AU also includes Ferry Creek, which had been entirely dewatered and has also been restored recently to connectivity with the Lemhi River. In the 1998 §303(d) list, the Mill Creek "water quality limited segment--3082" was listed for flow alteration and suspected nutrient and sediment impairment. The suspected nutrient and sediment impairments were based on low habitat ratings from Beneficial Use Reconnaissance Program (BURP) scores. The stream habitat index was low due to low flow issues from the diversion, but the biological assessment for the BURP sites in this AU all showed full support. The habitat and bioassessment data support the theory that flow alteration is the sole source of water quality impairment. No other pollutant sources or pathways have been identified other than historic flow alteration. There are no confined animal feeding operations or other nutrient sources in the Mill Creek watershed and grazing is limited in this AU. DEQ investigation showed no evidence of nuisance algae and an analysis of streambank stability showed that Mill Creek meets the surrogate sediment target of 80% stability. Due to extensive restoration work in this watershed and evidence that historic flow alteration is the sole source of impairment, this AU should be de-listed from Category 5 for "sedimentation/siltation" and "cause unknown (nutrients suspected)" and remain in Category 4c of the Integrated Report for "low flow alterations" and "other flow regime alterations." For additional information, refer to page 20 of the Lemhi River Subbasin Assessment TMDL Addendum and Five-Year Review, approved February 27, 2013.

Sedimentation/Siltation

Applicable WQS attained; due to restoration activities

3/6/2013 (DDS) - Prior to 2011, a headgate at the upstream point of this AU has historically diverted all of the flow of Mill Creek into the L-52 ditch for irrigating cropland. Until the removal of the diversion structure, the only water existing in this AU was excess return flow from diverted irrigation water. However, due to work between 2004 and 2011 by the Upper Salmon Basin Watershed Project, this headgate structure was removed and Mill Creek streamflow is now connected with the Lemhi River. This AU also includes Ferry Creek, which had been entirely dewatered and has also been restored recently to connectivity with the Lemhi River. In the 1998 §303(d) list, the Mill Creek "water quality limited segment--3082" was listed for flow alteration and suspected nutrient and sediment impairment. The suspected nutrient and sediment impairments were based on low habitat ratings from Beneficial Use Reconnaissance Program (BURP) scores. The stream habitat index was low due to low flow issues from the diversion, but the biological assessment for the BURP sites in this AU all showed full support. The habitat and bioassessment data support the theory that flow alteration is the sole source of water quality impairment. No other pollutant sources or pathways have been identified other than historic flow alteration. There are no confined animal feeding operations or other nutrient sources in the Mill Creek watershed and grazing is limited in this AU. DEQ investigation showed no evidence of nuisance algae and an analysis of streambank stability showed that Mill Creek meets the surrogate sediment target of 80% stability. Due to extensive restoration work in this watershed and evidence that historic flow alteration is the sole source of impairment, this AU should be de-listed from Category 5 for "Sedimentation/Siltation" and "Cause unknown (nutrients suspected)" and remain in Category 4c of the Integrated Report for "Low flow alterations" and "Other flow regime alterations." For additional information, refer to page 20 of the Lemhi River Subbasin Assessment TMDL Addendum and Five-Year Review, approved February 27, 2013.

ID17060204SL027_02	Walter Creek - source to mouth	7.84	MILES
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Combined Biota/Habitat Bioassessments

Applicable WQS attained; due to restoration activities

3/11/2013 (DDS) - This AU was listed for combined biota/habitat bioassessments on the 2002 Integrated Report due to a low BURP score in 1997. During the development of the Lemhi River Subbasin Assessment TMDL Addendum and Five-Year Review, approved February 27, 2013, DEQ determined that there are no other pollutant sources or pathways other than historic flow alteration responsible for the low BURP score in 1997. Until recently, the entirety of this AU had been diverted into a canal for irrigating croplands adjacent to Highway 28. Since flow alteration has been determined to be the sole source of impairment, DEQ recommends delisting "combined biota/habitat bioassessments" from Category 5 and maintaining "low flow alterations" in Category 4c. For additional information, refer to page 20 of the Lemhi TMDL.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17060204SL030_04	Lemhi River (West Branch) - Big Spring Creek	6.55	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

5/8/2013 (NED) - The temperature load reductions are provided in Section 5.1 of the "Lemhi River Subbasin TMDL Addendum and Five-Year Review" approved February 27, 2013. This AU, along with AUs ID17060204SL030_05, ID17060204SL025_05, ID17060204SL024_05, ID17060204SL005_06, ID17060204SL004_06, ID17060204SL003a_06 and ID17060204SL001_06, carries a current heat load of 7,600,000 kWh/day with a load capacity of 5,100,000 kWh/day, equaling an excess load of 2,500,000 kWh/day-which equals a 33% load reduction. There is no continuous temperature data to suggest temperature impairment in AUs ID17060204SL003a_06, ID17060204SL004_06, ID17060204SL005_06, ID17060204SL024_05, and ID17060204SL025_05; however, are receiving source temperature load allocations due to being contributing sources of thermal loading in the immediate downstream segments. For additional information refer to Section 5.1.6, Table 19 on pages 53-54, Figures 27-29 on pages 69-71 and Section 5.1.7, Table 22 on page 76 of the TMDL.

ID17060204SL030_05	Lemhi River (East Branch)-Eighteenmile & Texas Ck Confluence	10.41	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

5/8/2013 (NED) - The temperature load reductions are provided in Section 5.1 of the "Lemhi River Subbasin TMDL Addendum and Five-Year Review" approved February 27, 2013. This AU, along with AUs ID17060204SL030_04, ID17060204SL025_05, ID17060204SL024_05, ID17060204SL005_06, ID17060204SL004_06, ID17060204SL003a_06 and ID17060204SL001_06, carries a current heat load of 7,600,000 kWh/day with a load capacity of 5,100,000 kWh/day, equaling an excess load of 2,500,000 kWh/day-which equals a 33% load reduction. There is no continuous temperature data to suggest temperature impairment in AUs ID17060204SL003a_06, ID17060204SL004_06, ID17060204SL005_06, ID17060204SL024_05, and ID17060204SL025_05; however, are receiving source temperature load allocations due to being contributing sources of thermal loading in the immediate downstream segments. For additional information refer to Section 5.1.6, Table 19 on pages 53-54, Figures 27-29 on pages 69-71 and Section 5.1.7, Table 22 on page 76 of the TMDL.

ID17060204SL041_04	Eighteenmile Creek - Hawley Creek to mouth	2.21	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

5/8/2013 (NED) - The temperature load reductions are provided in Section 5.1 of the "Lemhi River Subbasin TMDL Addendum and Five-Year Review" approved February 27, 2013. This AU, along with AUs ID17060204SL045_02, ID17060204SL043_03, and ID17060204SL042_03, carries a current heat load of 870,000 kWh/day with a load capacity of 560,000 kWh/day, equaling an excess load of 310,000 kWh/day-which equals a 36% load reduction. For additional information refer to Section 5.1.6, Table 17 on page 51, Figures 21-23 on pages 63-65 and Section 5.1.7, Table 22 on page 76 of the TMDL.

ID17060204SL042_03	Eighteenmile Creek - Clear Creek to Hawley Creek	8.4	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

5/8/2013 (NED) - The temperature load reductions are provided in Section 5.1 of the "Lemhi River Subbasin TMDL Addendum and Five-Year Review" approved February 27, 2013. This AU, along with AUs ID17060204SL045_02, ID17060204SL043_03, and ID17060204SL041_04, carries a current heat load of 870,000 kWh/day with a load capacity of 560,000 kWh/day, equaling an excess load of 310,000 kWh/day-which equals a 36% load reduction. For additional information refer to Section 5.1.6, Table 17 on page 51, Figures 21-23 on pages 63-65 and Section 5.1.7, Table 22 on page 76 of the TMDL.

ID17060204SL043_03	Eighteenmile Creek - Divide Creek to Clear Creek	5.96	MILES
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Fishes Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

3/11/2013 (NED) - Fishes Bioassessments was originally listed due to a low stream fish index (SFI) in 2002. DEQ has identified temperature and low flow alterations to be the source of the biological impairment. A temperature TMDL has been established and approved to address the thermal loading in the 3rd order segment of Eighteenmile Creek and low flow alterations has been added due to diversions for agricultural use that have altered the natural flow patterns of Eighteenmile Creek. Therefore, fishes bioassessments which was added to indicate a biological impairment has been delisted, low flow alterations has been added to Category 4c and temperature has been moved to Category 4a. For additional information, refer to the Lemhi River Subbasin Assessment TMDL Addendum and Five-Year Review, approved February 27, 2013.

Temperature, water

TMDL approved or established by EPA (4A)

5/8/2013 (NED) - The temperature load reductions are provided in Section 5.1 of the "Lemhi River Subbasin TMDL Addendum and Five-Year Review" approved February 27, 2013. This AU, along with AUs ID17060204SL045_02, ID17060204SL042_03, and ID17060204SL041_04, carries a current heat load of 870,000 kWh/day with a load capacity of 560,000 kWh/day, equaling an excess load of 310,000 kWh/day-which equals a 36% load reduction. For additional information refer to Section 5.1.6, Table 17 on page 51, Figures 21-23 on pages 63-65 and Section 5.1.7, Table 22 on page 76 of the TMDL.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17060204SL045_02	Eighteenmile Creek - source to Divide Creek	29.68	MILES
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Combined Biota/Habitat Bioassessments

Applicable WQS attained; original basis for listing was incorrect

5/9/2013 (NED) - During the development of the Lemhi River Subbasin TMDL Addendum and Five-Year Review, approved February 27, 2013, it was determined that the cause of the biological impairment (combined biota/habitat bioassessments) was due to temperature. Therefore, combined biota/habitat bioassessments has been delisted and replaced with temperature which has been moved to Category 4a. For additional information refer to Section 5.1.6, Table 17 on page 51, Figures 21-23 on pages 63-65 and Section 5.1.7, Table 22 on page 76 of the TMDL.

Temperature, water

TMDL approved or established by EPA (4A)

5/13/2013 (NED) - Temperature load reductions are provided in Section 5.1 of the "Lemhi River Subbasin TMDL Addendum and Five-Year Review" approved February 27, 2013. This AU, along with ID17060204SL041_04, ID17060204SL043_03, and ID17060204SL042_03, carries a current heat load of 870,000 kWh/day with a load capacity of 560,000 kWh/day, equaling an excess load of 310,000 kWh/day-which equals a 36% load reduction. For additional information refer to Section 5.1.6, Table 17 on page 51, Figures 21-23 on pages 63-65 and Section 5.1.7, Table 22 on page 76 of the TMDL.

ID17060204SL050a_03	Hawley Creek - diversion (T15N, R27E, Sec. 03) to mouth	2.2	MILES
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Cause Unknown

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

3/7/2013 (DDS) - In the 1998 §303(d) list, the Hawley Creek "water quality limited segment--3082" was listed for suspected nutrients. The suspected nutrient impairment was based on low macroinvertebrate and habitat ratings from BURP scores. Investigation of the BURP field forms showed that very few of the fields were filled out because the flow was less than 1 cfs, making this an unassessed AU. Due to extensive restoration work in this watershed and evidence that historic flow alteration is the sole source of impairment, this AU should be delisted from Category 5 for "Cause unknown (nutrients suspected impairment)" and listed in Category 4c for "Low flow alterations." There are no confined animal feeding operations or other sources of nutrients in this AU and no impairments other than flow alteration. For additional information, refer to the Lemhi TMDL Addendum and 5 Year Review, approved February 27, 2013.

ID17060204SL051b_02	Canyon Creek - source to diversion (T16N, R26E, Sec.22)	70.09	MILES
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Combined Biota/Habitat Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

3/11/2013 (DDS) - During the development of the Lemhi TMDL Addendum and 5 Year Review, approved February 27, 2013, it was determined that historic low flow alterations due to diversions for agricultural use are the sole source of the biological impairment. Therefore, combined biota/habitat bioassessments has been delisted and low flow alterations has been added to Category 4c. For additional information, refer to page 31 of the TMDL.

Escherichia coli

TMDL approved or established by EPA (4A)

5/8/2013 (NED) - The Lemhi TMDL Addendum and 5 Year Review was reviewed and approved by EPA on February 27, 2013. This AU was listed in Category 5 for not supporting SCR due to elevated concentrations of E.coli. E.coli data collected in this AU showed a geometric mean of 1,207 col/100 mL on Cruikshank Creek and a geometric mean of 921 col/100 mL on Wildcat Creek, which exceeds the average monthly limit of the geometric mean of 126 col/100 mL. A 92% reduction of E.coli is needed on Cruikshank Creek and an 89% reduction on Wildcat Creek. To support the SCR beneficial use, the number of E.coli colonies must not exceed either a single instantaneous sample of 576 col/100 mL or a geometric mean of 126 col/100 mL for 5 samples collected in a 30-day period 3 to 7 days apart. For additional information, refer to Section 5.2 which begins on page 77, Table 23 on page 78, and Table 24 on page 80 of the TMDL.

ID17060204SL052a_02	Little Eightmile Creek	0.43	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

5/8/2013 (NED) - The temperature load reductions are provided in Section 5.1 of the "Lemhi River Subbasin TMDL Addendum and Five-Year Review" approved February 27, 2013. This AU, along with AU ID17060204SL052b_02, carries a current heat load of 110,000 kWh/day with a load capacity of 35,000 kWh/day, equaling an excess load of 76,000 kWh/day-which equals a 69% load reduction. For additional information refer to Section 5.1.6, Table 20 on page 55, Figures 24-26 on pages 66-68 and Section 5.1.7, Table 22 on page 76 of the TMDL.

ID17060204SL052b_02	Little Eightmile Creek-source to diversion	24.98	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

5/8/2013 (NED) - The temperature load reductions are provided in Section 5.1 of the "Lemhi River Subbasin TMDL Addendum and Five-Year Review" approved February 27, 2013. This AU, along with AU ID17060204SL052a_02, carries a current heat load of 110,000 kWh/day with a load capacity of 35,000 kWh/day, equaling an excess load of 76,000 kWh/day-which equals a 69% load reduction. For additional information refer to Section 5.1.6, Table 20 on page 55, Figures 24-26 on pages 66-68 and Section 5.1.7, Table 22 on page 76 of the TMDL.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17060204SL062b_02	Sandy Creek - source to diversion (T20N, R24E, Sec. 17)	12.33	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

5/8/2013 (NED) - The temperature load reductions are provided in Section 5.1 of the "Lemhi River Subbasin TMDL Addendum and Five-Year Review" approved February 27, 2013. This AU, along with AU ID17060204SL062a_02, carries a current heat load of 59,000 kWh/day with a load capacity of 12,000 kWh/day, equaling an excess load of 49,000 kWh/day-which equals an 83% load reduction. There is no continuous temperature data to suggest temperature impairment in AU ID17060204SL062a_02; however, is receiving a source temperature load allocation due to being a contributing source of thermal loading in the downstream segment. For additional information refer to Section 5.1.6, Table 21 on page 56, Figures 18-20 on pages 60-62 and Section 5.1.7, Table 22 on page 76 of the TMDL.

ID17060204SL064a_02	Bohannon Creek - diversion (T21N, R23E, Sec. 22) to mouth	1.36	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

5/8/2013 (NED) - The temperature load reductions are provided in Section 5.1 of the "Lemhi River Subbasin TMDL Addendum and Five-Year Review" approved February 27, 2013. This AU, along with AU ID17060204SL064b_02, carries a current heat load of 200,000 kWh/day with a load capacity of 71,000 kWh/day, equaling an excess load of 140,000 kWh/day-which equals a 70% load reduction. For additional information refer to Section 5.1.6, Table 16 on page 50, Figures 15-17 on pages 57-59 and Section 5.1.7, Table 22 on page 76 of the TMDL.

ID17060204SL064b_02	Bohannon Creek - source to diversion (T21N, R23E, Sec. 22)	13.58	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

5/8/2013 (NED) - The temperature load reductions are provided in Section 5.1 of the "Lemhi River Subbasin TMDL Addendum and Five-Year Review" approved February 27, 2013. This AU, along with AU ID17060204SL064a_02, carries a current heat load of 200,000 kWh/day with a load capacity of 71,000 kWh/day, equaling an excess load of 140,000 kWh/day-which equals a 70% load reduction. For additional information refer to Section 5.1.6, Table 16 on page 50, Figures 15-17 on pages 57-59 and Section 5.1.7, Table 22 on page 76 of the TMDL.

17060208 South Fork Salmon

ID17060208SL005_02	Secesh River - 1st and 2nd order tributaries	146.85	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

8/2/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. Grouse Creek (Secesh Watershed) carries a current heat load of 194,022 kWh/day with a load capacity of 66,663 kWh/day, equaling an excess load of 127,359 kWh/day-which equals a 66% load reduction. For additional information refer to Section 3.2, Table 11 on page 25, Figures 33-35 on pages 67-69 and Section 3.4, Table 29 on page 71 of the TMDL.

ID17060208SL025_02	Upper Johnson Creek and tributaries - 1st and 2nd order	70.55	MILES
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Combined Biota/Habitat Bioassessments

Applicable WQS attained; original basis for listing was incorrect

7/31/2012 (NED) - During the development of the South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL, approved July 3, 2012, it was determined that the cause of the biological impairment was thermal loading. Therefore, "combined biota/habitat bioassessments" has been delisted and replaced with "temperature" which has been moved to Category 4a. For temperature load allocations, refer to page 71 of the TMDL.

Temperature, water

TMDL approved or established by EPA (4A)

7/31/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. For additional information refer to Section 3.2, Tables 12, 18 and 25 on pages 26, 32 and 37, Figures 6-8 on pages 40-42 and Section 3.4, Table 29 on page 71 of the TMDL.

ID17060208SL025_04	Johnson Creek - 4th order	13.1	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

8/2/2012 (NED) - The South Fork Salmon River Subbasin Temperature TMDL and Revised Sediment Targets: Addendum to the SF Salmon River Subbasin Assessment and TMDL was reviewed and approved by EPA on July 3, 2012. Lower Johnson Creek carries a current heat load of 2,411,736 kWh/day with a load capacity of 2,279,797 kWh/day, equaling an excess load of 131,938 kWh/day-which equals a 5% load reduction. For additional information refer to Section 3.2, Table 14 on page 28, Figures 12-14 on pages 46-48 and Section 3.4, Table 29 on page 71 of the TMDL.

17060210 Little Salmon

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17060210SL007_04a	West Branch Goose Creek	4.38	MILES
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Combined Biota/Habitat Bioassessments

Applicable WQS attained; original basis for listing was incorrect

4/12/2012 (HS) - The West Branch of Goose Creek was first listed for combined biota/habitat bioassessments during the 2010 Integrated Report. This biological impairment was based on BURP data collected in 2004 which resulted in an average score less than 2. A score less than 2 indicates there is a biological impairment and the water body is not fully supporting its beneficial use(s). However, after a more thorough review of the BURP data it was determined that BURP site 2004SBOIA036 was placed near the mouth of West Branch of Goose Creek which is an area that is subject to dewatering due to several diversions for agricultural purposes. Therefore, DEQ is delisting combined biota/habitat bioassessments and listing the source of impairment as 'flow alteration'.

ID17060210SL008_03	Mud and Little Mud Creeks - 3rd order	8.13	MILES
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Benthic-Macroinvertebrate Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

3/23/2012 (HS) - This assessment was originally listed with a cause of 'benthic-macroinvertebrates bioassessments'. The impairment on the stream was evidenced by habitat data as well, and so we replaced 'benthic macroinvertebrates bioassessments' with 'combined biota/habitat assessments'. This is also DEQ's preferred listing terminology. This assessment unit is still listed for having a biological impairment.

ID17060210SL010_04	East Branch Goose Creek and 4th order section of Goose Creek	5.46	MILES
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Combined Biota/Habitat Bioassessments

Applicable WQS attained; original basis for listing was incorrect

4/12/2012 (HS) - The East Branch of Goose Creek was first listed for combined biota/habitat bioassessments during the 2010 Integrated Report. This biological impairment was based on BURP data collected in 2004 which resulted in an average score less than 2. A score less than 2 indicates there is a biological impairment and the water body is not fully supporting its beneficial use(s). However, after a more thorough review of the BURP data and the flow regime of the creek, DEQ's current multimetric biological indexes should not have been applied to a system that is subject to dewatering due to several diversions for agricultural purposes. Therefore, DEQ is delisting combined biota/habitat bioassessments and listing the source of impairment as 'flow alteration'.

Southwest

17050101

C. J. Strike Reservoir

ID17050101SW003_03	Browns Creek - 3rd order	4.21	MILES
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Sedimentation/Siltation

Applicable WQS attained; according to new assessment method

3/7/12 (HS) - In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.

The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.

DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 97% stable. This indicates that erosion is minimal and that the assessment unit is not impaired by sediment.

Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17050101SW003_04 Browns Creek - 4th order	4.06 MILES
<div><div>Sedimentation/Siltation</div><div>Applicable WQS attained; according to new assessment method</div><p>3/7/2012 (HS) - In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.</p><p>The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.</p><p>DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 99% stable. This indicates that erosion is minimal and that the assessment unit is not impaired by sediment.</p><p>Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.</p></div>	
ID17050101SW004_02 Browns Creek - 1st and 2nd order tributaries	63.59 MILES
<div><div>Sedimentation/Siltation</div><div>Applicable WQS attained; according to new assessment method</div><p>3/7/2012 (HS) - In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.</p><p>The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.</p><p>DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 100% stable. This indicates that erosion is minimal and that the assessment unit is not impaired by sediment.</p><p>Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.</p></div>	
ID17050101SW004_03 Browns Creek - 3rd order	15.74 MILES
<div><div>Sedimentation/Siltation</div><div>Applicable WQS attained; according to new assessment method</div><p>3/7/2012 (HS) - In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.</p><p>The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.</p><p>DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 99% stable. This indicates that erosion is minimal and that the assessment unit is not impaired by sediment.</p><p>Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.</p></div>	
ID17050101SW006_02 Sailor Creek - 1st and 2nd order	265.96 MILES
<div><div>Sedimentation/Siltation</div><div>Applicable WQS attained; according to new assessment method</div><p>3/7/2012 (HS) - In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.</p><p>The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.</p><p>DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 100% stable. This indicates that erosion is minimal and that the assessment unit is not impaired by sediment.</p><p>Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.</p></div>	

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17050101SW006_03	Sailor Creek - 3rd order	33.38	MILES
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Sedimentation/Siltation

Applicable WQS attained; according to new assessment method

3/7/2012 (HS) - In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.

The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.

DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 97% stable. This indicates that erosion is minimal and that the assessment unit is not impaired by sediment.

Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.

ID17050101SW006_04	Sailor Creek - 4th order	22.85	MILES
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Sedimentation/Siltation

Applicable WQS attained; according to new assessment method

3/7/2012 (HS) - In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.

The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.

DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 95% stable. This indicates that erosion is minimal and that the assessment unit is not impaired by sediment.

Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.

ID17050101SW008_02	Deadman Creek - 1st and 2nd order	92.7	MILES
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Sedimentation/Siltation

Applicable WQS attained; according to new assessment method

3/7/2012 (HS) - In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.

The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.

DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 99% stable. This indicates that erosion is minimal and that the assessment unit is not impaired by sediment.

Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.

ID17050101SW008_03	Deadman Creek - 3rd order	38.42	MILES
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Sedimentation/Siltation

Applicable WQS attained; according to new assessment method

3/7/2012 (HS) - In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.

The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.

DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 99% stable. This indicates that erosion is minimal and that the assessment unit is not impaired by sediment.

Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

17050102

Bruneau

ID17050102SW004_04 Big Jacks Creek - 4th order (Dry Canyon to Duncan Creek)

7.36

MILES

Other flow regime alterations

Applicable WQS attained; according to new assessment method

3/23/2012 (HS) - This segment was first listed for sediment and flow alteration on the 1994 §303(d) list, which was promulgated by EPA as part of the first total maximum daily load lawsuit. EPA listed this water solely because it was listed in Appendix D: Idaho Impaired Stream Segments Requiring Further Assessment of DEQ's 1992 Water Quality Status Report. Although Big Jacks Creek was mentioned in this appendix, the original assessment was not based on any actual water quality monitoring data (biological, physical, or chemical). Suspected sediment and flow alteration were a case of best professional judgment. Given the lack of listing history to explain what data were used, if any, DEQ proposes to delist sediment and flow alteration.

Sedimentation/Siltation

Applicable WQS attained; original basis for listing was incorrect

3/23/2012 (HS) - Data collected in 2006 from a Beneficial Use Reconnaissance Program site (2006STWFA044), located in this assessment unit, showed the stream bank stability to be excellent, with 96% of the stream rated as covered and stable.

Percent fines recorded in 2006 showed that only 9% of the substrate consisted of material less than or equal to 2.5 millimeters in size. According to DEQ's Guide to Selection of Sediment Targets for Use in Idaho TMDLs most impairment is noted when percent fines of this size make up greater than 30% of the substrate.

The stream macroinvertebrate index (SMI) "Condition Rating" from this site was 3 (out of 3).

The stream habitat index (SHI) "condition rating" from this site was 3 (out of 3).

The stream fish index (SFI) "Condition rating" from this site was 1 (out of 3).

Therefore, the overall score was 2.3, indicating that the site fully meets its beneficial uses.

These data should have been assessed in the 2010 integrated report, but was omitted because of an oversight. Therefore, DEQ proposes to delist the assessment unit for sediment since impacts from sediment are not readily apparent.

As part of the Bruneau River temperature TMDL (in progress), DEQ has conducted shade inventories of the entire Jacks Creek basin. We found that Big Jacks Creek was at its natural level of shade, lending further evidence that beneficial uses are fully supported.

This segment was first listed for sediment and flow alteration on the 1994 §303(d) list, which was promulgated by EPA as part of the first total maximum daily load lawsuit. EPA listed this water solely because it was listed in Appendix D: Idaho Impaired Stream Segments Requiring Further Assessment of DEQ's 1992 Water Quality Status Report. Although Big Jacks Creek was mentioned in this appendix, the original assessment was not based on any actual water quality monitoring data (biological, physical, or chemical). Suspected sediment and flow alteration were a case of best professional judgment. Given the lack of listing history to explain what data were used, if any, DEQ proposes to delist sediment and flow alteration.

ID17050102SW022_02 Cougar Creek - 1st and 2nd order

40.78

MILES

Sedimentation/Siltation

Applicable WQS attained; according to new assessment method

3/7/2012 (HS) - In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.

The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.

DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 100% stable. This indicates that erosion is minimal, and that the assessment unit is not impaired by sediment.

Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17050102SW022_03	Cougar Creek - 3rd order	20.03	MILES
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Sedimentation/Siltation

Applicable WQS attained; according to new assessment method

3/7/2012 (HS) - In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.

The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.

DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 100% stable. This indicates that erosion is minimal, and that the assessment unit is not impaired by sediment.

Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.

ID17050102SW025_02	Poison Creek - 1st and 2nd order section	60.67	MILES
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Sedimentation/Siltation

Applicable WQS attained; according to new assessment method

3/7/2012 (HS) - In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.

The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.

DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 99% stable. This indicates that erosion is minimal, and that the assessment unit is not impaired by sediment.

Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.

ID17050102SW025_03	Poison Creek - 3rd order	16.65	MILES
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Sedimentation/Siltation

Applicable WQS attained; according to new assessment method

3/7/2012 (HS) - In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.

The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.

DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 100% stable. This indicates that erosion is minimal, and that the assessment unit is not impaired by sediment.

Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.

17050103

Middle Snake-Succor

ID17050103SW004_02	McBride Creek - 1st and 2nd order	73.13	MILES
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Temperature, water

Applicable WQS attained; according to new assessment method

7/17/2012 (HS) - The original temperature listing was based solely on an evaluation conducted by BLM in the late 1970s to mid-1980s and not on any actual water quality monitoring data (biological, physical, or chemical). Therefore, DEQ placed a thermograph in the second order section of McBride Creek during the year of 2011 to verify if thermal loading was actually occurring. Before June 13, 2011, when the creek ran dry, the maximum daily average temperature was 15 degrees C and the maximum temperature recorded was 21.17 degrees C. These are both cooler than the water quality criteria of 13 and 19 degrees C for cold water aquatic life. Therefore, the creek is not impaired for temperature.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17050103SW005_02	Jump Creek - 1st and 2nd order	84.67	MILES
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Physical substrate habitat alterations

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

3/7/2012 (HS) - The listing of this assessment unit for 'physical substrate alterations' was a mistake. The Mid-Snake/Succor TMDL (approved January 2004) said that Jump Creek was impaired by physical substrate alterations. However, it was referring to the lower section of the creek (assessment unit ID17050103SW005_03). The upper section is a dry, rangeland stream, and does not have significant physical substrate alterations (Fall 2011 field visits).

Sedimentation/Siltation

Applicable WQS attained; according to new assessment method

3/7/2012 (HS) - In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.

The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.

DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 98% stable. This indicates that erosion is minimal, and that the assessment unit is not impaired by sediment.

Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.

ID17050103SW016_02	Pickett Creek - 1st & 2nd order	27.52	MILES
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Sedimentation/Siltation

Applicable WQS attained; according to new assessment method

3/7/2012 (HS) - In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.

The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.

DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 91% stable. This indicates that erosion is minimal, and that the assessment unit is not impaired by sediment.

Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.

ID17050103SW019_02	Brown Creek - 1st & 2nd order	79.78	MILES
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Sedimentation/Siltation

Applicable WQS attained; according to new assessment method

3/7/2012 (HS) - In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.

The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.

DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 94% stable. This indicates that erosion is minimal, and that the assessment unit is not impaired by sediment.

Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17050103SW019_03 Brown Creek - 3rd order	7.64 MILES
<div><div>Sedimentation/Siltation</div><div>Applicable WQS attained; according to new assessment method</div><p>3/7/2012 (HS) - In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.</p><p>The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.</p><p>DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 98% stable. This indicates that erosion is minimal. and that the assessment unit is not impaired by sediment.</p><p>Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.</p></div>	
ID17050103SW019_04 Brown Creek - 4th order	6.43 MILES
<div><div>Sedimentation/Siltation</div><div>Applicable WQS attained; according to new assessment method</div><p>3/7/2012 (HS) - In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.</p><p>The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.</p><p>DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 89% stable. This indicates that erosion is minimal. and that the assessment unit is not impaired by sediment.</p><p>Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.</p></div>	
ID17050103SW021_02 Birch Creek and tributaries - 1st and 2nd order	66 MILES
<div><div>Sedimentation/Siltation</div><div>Applicable WQS attained; according to new assessment method</div><p>3/7/2012 (HS) - In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.</p><p>The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.</p><p>DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 97% stable. This indicates that erosion is minimal. and that the assessment unit is not impaired by sediment.</p><p>Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.</p></div>	
ID17050103SW024_03 Shoofly and Poison Creeks - 3rd order	28.47 MILES
<div><div>Sedimentation/Siltation</div><div>Applicable WQS attained; according to new assessment method</div><p>3/7/2012 (HS) - In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.</p><p>The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.</p><p>DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 99% stable. This indicates that erosion is minimal. and that the assessment unit is not impaired by sediment.</p><p>Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.</p></div>	

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17050103SW025_02	Corder Creek - 1st and 2nd order	63.34	MILES
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Sedimentation/Siltation

Applicable WQS attained; according to new assessment method

3/7/2012 (HS) - In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.

The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.

DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 100% stable. This indicates that erosion is minimal, and that the assessment unit is not impaired by sediment.

Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.

ID17050103SW026_02	Rabbit Creek (north side of Snake River) - 1st and 2nd order	12.99	MILES
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Sedimentation/Siltation

Applicable WQS attained; according to new assessment method

3/7/2012 (HS) - In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.

The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.

DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 100% stable. This indicates that erosion is minimal, and that the assessment unit is not impaired by sediment.

Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.

17050104

Upper Owyhee

ID17050104SW023_02	Battle Creek - 1st & 2nd order	252.97	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

8/24/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The second order segment of Battle Creek carries a current heat load of 320,014 kWh/day with a load capacity of 279,597 kWh/day, equaling an excess load of 40,417 kWh/day-which equals a 12.6% load reduction. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D4 on page 71 of the TMDL.

ID17050104SW023_03	Battle Creek - 3rd order	36.58	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

8/24/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The third order segment of Battle Creek carries a current heat load of 2,614,026 kWh/day with a load capacity of 1,858,326 kWh/day, equaling an excess load of 755,701 kWh/day-which equals a 28.9% load reduction. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D5 on page 72 of the TMDL.

ID17050104SW023_04	Battle Creek - 4th order	29.46	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

8/30/2012 (HS) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. Although the fourth order segment of Battle Creek does not have an excess load, it is still considered impaired by the thermal loads from its tributaries. It may be delisted when either a) all its tributaries meet their shade targets, or b) a thermograph demonstrates that it does not violate water quality standards. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D6 on page 73 of the TMDL.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17050104SW029_03	Camas Creek - 3rd order	7.3	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

8/24/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. Camas Creek carries a current heat load of 251,640 kWh/day with a load capacity of 240,656 kWh/day, equaling an excess load of 10,984 kWh/day-which equals a 4.4% load reduction. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D17 on page 80 of the TMDL.

ID17050104SW030_02	Camel Creek - 1st and 2nd order	28.57	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

8/24/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. Camel Creek carries a current heat load of 48,175 kWh/day with a load capacity of 37,408 kWh/day, equaling an excess load of 10,767 kWh/day-which equals a 22.3% load reduction. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D18 on page 80 of the TMDL.

ID17050104SW031_02	Nickel Creek & tributaries - 1st and 2nd order	76.91	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

8/24/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. Nickel, Smith and Thomas Creek headwaters carry a current heat load of 75,986 kWh/day with a load capacity of 50,939 kWh/day, equaling an excess load of 25,047 kWh/day-which equals a 33% load reduction. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D20 on page 81 of the TMDL.

ID17050104SW031_03	Nickel, Thomas & Smith Creeks - 3rd order sections	9.71	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

8/30/2012 (HS and NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. Although the third order segment of Nickel, Smith and Thomas Creek does not have an excess load, it is still considered impaired by the thermal loads from its tributaries. It may be delisted when either a) all its tributaries meet their shade targets, or b) a thermograph demonstrates that it does not violate water quality standards. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D21 on page 82 of the TMDL.

ID17050104SW033_03	Beaver Creek - 3rd order	3.7	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

8/24/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The third order segment of Beaver Creek carries a current heat load of 41,215 kWh/day with a load capacity of 20,873 kWh/day, equaling an excess load of 20,342 kWh/day-which equals a 49.4% load reduction. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D26 on page 85 of the TMDL.

ID17050104SW033_04	Beaver Creek - 4th order	2.58	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

8/24/2012 (NED) - The Owyhee River Watershed TMDL Temperature Addendum was reviewed and approved by EPA on July 20, 2012. The fourth order segment of Beaver Creek carries a current heat load of 127,811 kWh/day with a load capacity of 92,283 kWh/day, equaling an excess load of 35,528 kWh/day-which equals a 27.8% load reduction. For additional information refer to Section 5.4, Table 6 on page 24 and Table 9 on page 27 and Appendix D, Table D27 on page 85 of the TMDL.

17050108 Jordan

ID17050108SW001_05	Jordan Creek - Williams Creek to State Line	13.35	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

3/7/2012 (HS) - The Jordan Creek TMDL was reviewed and approved by EPA April 13, 2011. Refer to Table 36 on page 132 and 133 for existing and potential solar loads for Jordan Creek.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17050108SW004_02 Upper Jordan Creek - 1st and 2nd order tributaries	102.32	MILES
<p>Temperature, water TMDL approved or established by EPA (4A)</p> <p>3/7/2012 (HS) - The Jordan Creek TMDL was reviewed and approved by EPA April 13, 2011. Refer to Table 36 on page 132 and 133 for existing and potential solar loads for Jordan Creek.</p>		
ID17050108SW004_03 Jordan Creek - 3rd order (Jacobs Gulch to Louse Creek)	13.41	MILES
<p>Temperature, water TMDL approved or established by EPA (4A)</p> <p>3/7/2012 (HS) - Jordan Creek TMDL, approved by EPA April 13, 2011. Refer to Table 36 on page 132 and 133 for existing and potential solar loads for Jordan Creek.</p>		
ID17050108SW004_04 Jordan Creek - 4th order (Louse Creek to Big Boulder Creek)	5.65	MILES
<p>Temperature, water TMDL approved or established by EPA (4A)</p> <p>3/7/2012 (HS) - The Jordan Creek TMDL was reviewed and approved by EPA April 13, 2011. Refer to Table 36 on page 132 and 133 for existing and potential solar loads for Jordan Creek.</p>		
ID17050108SW004_05 Jordan Creek - Big Boulder Creek to Williams Creek	3.38	MILES
<p>Temperature, water TMDL approved or established by EPA (4A)</p> <p>3/7/2012 (HS) - The Jordan Creek TMDL was reviewed and approved by EPA April 13, 2011. Refer to Table 36 on page 132 and 133 for existing and potential solar loads for Jordan Creek.</p>		
ID17050108SW013_02 Rock Creek above Triangle Reservoir - 1st and 2nd order	63.93	MILES
<p>Temperature, water TMDL approved or established by EPA (4A)</p> <p>3/7/2012 (HS) - The Jordan Creek TMDL was reviewed and approved by EPA April 13, 2011. Refer to Table 39 on page 135 for existing and potential solar loads for Rock Creek.</p>		
ID17050108SW013_03 Rock Creek above Triangle Reservoir - 3rd order	12.51	MILES
<p>Temperature, water TMDL approved or established by EPA (4A)</p> <p>3/7/2012 (HS) - The Jordan Creek TMDL was reviewed and approved by EPA April 13, 2011. Refer to Table 39 on page 135 for existing and potential solar loads for Rock Creek.</p>		
ID17050108SW014_02 Louisa Creek - entire drainage	13.82	MILES
<p>Temperature, water TMDL approved or established by EPA (4A)</p> <p>3/7/2012 (HS) - The Jordan Creek TMDL was reviewed and approved by EPA April 13, 2011. Refer to Table 40 on page 136 for existing and potential solar loads for Louisa Creek.</p>		
ID17050108SW015_02 Spring and Meadow Creeks - 1st and 2nd order	48.87	MILES
<p>Temperature, water TMDL approved or established by EPA (4A)</p> <p>3/7/2012 (HS) - The Jordan Creek TMDL was reviewed and approved by EPA April 13, 2011. Refer to Tables 41 and 42 on pages 136 and 137 for existing and potential solar loads for Spring and Meadow Creek.</p>		
ID17050108SW015_03 Spring and Meadow Creeks - 3rd order sections	8.09	MILES
<p>Temperature, water TMDL approved or established by EPA (4A)</p> <p>3/7/2012 (HS) - The Jordan Creek TMDL was reviewed and approved by EPA April 13, 2011. Refer to Tables 41 and 42 on pages 136 and 137 for existing and potential solar loads for Spring and Meadow Creek.</p>		
ID17050108SW021_02 Cow Creek - 1st and 2nd order	55.15	MILES
<p>Temperature, water TMDL approved or established by EPA (4A)</p> <p>3/7/2012 (HS) - The Jordan Creek TMDL was reviewed and approved by EPA April 13, 2011. Refer to Table 37 on page 134 for existing and potential solar loads for Cow Creek.</p>		

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17050108SW021_03	Cow Creek - 3rd order (Wildcat Canyon to Soda Creek)	3.41	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

3/7/2012 (HS) - The Jordan Creek TMDL was reviewed and approved by EPA April 13, 2011. Refer to Table 37 on page 134 for existing and potential solar loads for Cow Creek.

ID17050108SW022_02	Soda, Swisher and Chimney Creeks - 1st and 2nd order	36.92	MILES
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Sedimentation/Siltation

TMDL approved or established by EPA (4A)

3/7/2012 (HS) - The Jordan Creek TMDL was reviewed and approved by EPA April 13, 2011. Refer to Table 47 on page 151 for suspended sediment/total suspended solids targets and margin of safety for Soda Creek.

Temperature, water

TMDL approved or established by EPA (4A)

3/7/2012 (HS) - The Jordan Creek TMDL was reviewed and approved by EPA April 13, 2011. Refer to Table 38 on page 134 for existing and potential solar loads for Soda Creek.

ID17050108SW022_03	Soda Creek - 3rd order section	3.09	MILES
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Sedimentation/Siltation

TMDL approved or established by EPA (4A)

3/7/2012 (HS) - The Jordan Creek TMDL was reviewed and approved by EPA April 13, 2011. Refer to Table 47 on page 151 for suspended sediment/total suspended solids targets and margin of safety for Soda Creek.

Temperature, water

TMDL approved or established by EPA (4A)

3/7/2012 (HS) - The Jordan Creek TMDL was reviewed and approved by EPA April 13, 2011. Refer to Table 38 on page 134 for existing and potential solar loads for Soda Creek.

17050114

Lower Boise

ID17050114SW002_04	Indian Creek - 4th order below Sugar Ave. in Nampa	11.95	MILES
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Fecal Coliform

Applicable WQS attained; due to change in WQS

3/23/2012 (HS) - E. coli criteria values were developed to be as protective as the fecal coliform criteria and were directly calculated by translating fecal coliform criteria using ratios of observed water quality data from EPA epidemiological studies. Recent E. coli data show a geometric mean of 490.2 col/100ml, which is greater than the 126 col/100ml criterion value, therefore the recreational use of this water body is considered impaired by bacteria. E. coli will be added as a cause of impairment for this AU.

Temperature, water

Applicable WQS attained; original basis for listing was incorrect

3/8/12 (HS) - The Indian Creek Natural Background Temperature Analysis found that this section of Indian Creek is cooler than it would be naturally. This is primarily because Indian Creek would naturally be a small desert stream with limited shade. The rationale for delisting Indian Creek for temperature is attached to this assessment unit, but can be summarized as follows:

Thermograph data show that in 2011, only 0.08% of the data exceeded the 22C criteria at Centennial Way (Idaho's water quality standards allow for up to 10%).

In 2011, the Maximum Daily Average Temperature occurred on August 2. To see what the natural MDA temperature at Centennial Way would have been, we ran the QUAL2K model using the following inputs:

Inflow temperature:16C

Inflow discharge:1 cfs at Robinson Springs

Diffuse discharge:1 cfs between Robinson Springs and Centennial Way

Air temperature:East Valley Middle School weather station

Dew point:East Valley Middle School weather station

The natural MDAT at Centennial Way was calculated to be 23.4C.

The thermograph data show that in 2011, the actual MDAT at Centennial Way was 20.2C.

Therefore, Indian Creek downstream of Sugar Avenue is cooler than the natural background temperature for Cold Water Aquatic Life. It should be delisted, and no TMDL should be written.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17050114SW003a_04 Indian Creek - New York Canal to Sugar Avenue

5.61

MILES

Temperature, water

Applicable WQS attained; original basis for listing was incorrect

6/8/12 (HS) - The Indian Creek Natural Background Temperature Analysis found that this section of Indian Creek is cooler than it would be naturally. This is primarily because Indian Creek would naturally be a small desert stream with limited shade. The rationale for delisting Indian Creek for temperature is attached to this assessment unit, but can be summarized as follows:

The thermograph data show that in 2011, the water temperature at Sugar Avenue never exceeded 22C. Only 2% of the days exceeded the 19 degrees C MDAT criterion (Idaho's water quality standards allow for up to 10%). Therefore Indian Creek upstream of Sugar Avenue is cooler than the temperature criteria for Cold Water Aquatic Life.

In 2011, the Maximum Weekly Maximum Temperature occurred during the week of June 24-June 30. To see what the natural MWMT at Sugar Avenue would have been, we ran the QUAL2K model for each day, using the following inputs:

Inflow temperature: 16C,

Inflow discharge: 1.35 cfs at Robinson Springs

Diffuse discharge: 0.3 cfs between Robinson Springs and Sugar Avenue

Air temperature: East Valley Middle School weather station

Dew point: East Valley Middle School weather station

The maximum natural temperatures for the last week in June was calculated to be 29.9C.

The thermograph data show that in 2011, the actual MWMT at Sugar Avenue was 19.2C.

Therefore, Indian Creek upstream of Sugar Avenue is cooler than the natural background temperature for Salmonid Spawning. It should be delisted for temperature and no TMDL should be written.

ID17050114SW003b_02 Tributaries to Indian Cr.between Res. and and New York Canal

186.58

MILES

Fecal Coliform

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

5/3/2012 (HS) - This assessment unit was erroneously listed for bacterial pollution. The lower reaches of Indian Creek (ID17050114SW002_04) were found to be impaired by e. coli. As a result, this upper assessment unit was mistakenly listed. In fact, no bacteria samples have ever been collected from this assessment unit, primarily because it is dry. Numerous field visits in April and May (the 'wet' season) have revealed no water that can be sampled.

As such, it is being delisted for three reasons:

- 1) The original listing was in error
- 2) There is no evidence of impairment, based on several field visits
- 3) There is no water to sample.

Nutrient/Eutrophication Biological Indicators

Applicable WQS attained; according to new assessment method

5/3/2012 (HS) - This assessment unit was erroneously listed for eutrophication. The lower reaches of Indian Creek were once listed for eutrophication, and the impairment was mistakenly carried up through the entire watershed. No nutrient samples have ever been collected from this assessment unit, and no data has ever suggested that it was impaired by nutrients. This assessment unit was visited on seven occasions between May 2011 and May 2012. No evidence of eutrophication or elevated nutrients was observed. The streams were dry on every visit.

As such, it is being delisted for three reasons:

- 1) The original listing was in error
- 2) There is no evidence of impairment, based on several field visits
- 3) There is no water to be impaired.

Sedimentation/Siltation

Applicable WQS attained; according to new assessment method

3/7/2012 (HS) - In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.

The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.

DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 98% stable. This indicates that erosion is minimal and that the assessment unit is not impaired by sediment.

Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17050114SW003b_03 Indian Creek between Reservoir and Sand Creek

41.46

MILES

Nutrient/Eutrophication Biological Indicators Applicable WQS attained; original basis for listing was incorrect

5/3/2012 (HS) - This assessment unit was erroneously listed for eutrophication. The lower reaches of Indian Creek were once listed for eutrophication, and the impairment was mistakenly carried up through the entire watershed. No nutrient samples have ever been collected from this assessment unit, and no data has ever suggested that it was impaired by nutrients. This assessment unit was visited on seven occasions between May 2011 and May 2012. No evidence of eutrophication or elevated nutrients was observed. The stream was dry on every visit.

As such, it is being delisted for three reasons:

- 1) The original listing was in error
- 2) There is no evidence of impairment, based on several field visits
- 3) There is no water to be impaired

Sedimentation/Siltation

Applicable WQS attained; according to new assessment method

3/7/2012 (HS) - In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.

The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.

DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 99% stable. This indicates that erosion is minimal and that the assessment unit is not impaired by sediment.

Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.

Temperature, water

Applicable WQS attained; original basis for listing was incorrect

6/15/2012 (HS) - In order to correct a digitizing error and establish consistency with Idaho Water Quality Standards, AU ID17050114SW003b_03 and ID17050114SW003d_03 were created to replace AU ID17050114SW003_03. By doing so, BURP site 1997SBOIA005 that provided the instantaneous temperature data that EPA used to list AU ID17050114SW003_03 for temperature is now captured in AU ID17050114SW003d_03 and not AU ID17050114SW003b_03. Furthermore, AU ID17050114SW003b_03 was dry during all six field visits conducted in 2011. Therefore, until there is sufficient data to suggest AU ID17050114SW003b_03 is impaired for temperature, DEQ is proposing to delist temperature for the 2012 cycle.

ID17050114SW003b_04 Indian Creek- 4th order between Reservoir and New York Canal

20.63

MILES

Temperature, water

Applicable WQS attained; original basis for listing was incorrect

6/15/2010 (HS) - In order to correct a digitizing error and establish consistency with Idaho Water Quality Standards, AU ID17050114SW003a_04 and ID17050114SW003b_04 were created to replace AU ID17050114SW003_04. By doing so, the beneficial uses once associated with AU ID17050114SW003_04 changed when the new AUs were created. Salmonid spawning is now only associated with AU ID17050114SW003a_04. The single temperature reading of 15 degrees C (BURP ID 1997SBOIC020) that was used by EPA to list AU ID17050114SW003_04 for exceeding the salmonid spawning (SS) temperature criteria, now only applies to AU ID17050114SW003a_04 and not ID17050114SW003b_04. That is because AU ID17050114SW003a_04 is the only segment that has been assessed for SS. Therefore, until there is sufficient data to suggest AU ID17050114SW003b_04 is impaired for temperature, DEQ is proposing to delist temperature for the 2012 cycle.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17050114SW003d_02 Indian Creek and tribs - 1st and 2nd order above Reservoir	74.35	MILES
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Fecal Coliform

Applicable WQS attained; due to change in WQS

7/5/2012 (HS) - E. coli criteria values were developed to be as protective as the fecal coliform criteria and were directly calculated by translating fecal coliform criteria using ratios of observed water quality data from EPA epidemiological studies. Recent E. coli data show a geometric mean of 1338 col/100mL, which is greater than the 126 col/100 mL criterion value, therefore the recreational use of this water body is considered impaired by bacteria. E. coli will be added as a cause of impairment for this AU.

Nutrient/Eutrophication Biological Indicators

Applicable WQS attained; original basis for listing was incorrect

5/3/2012 (HS) - This assessment unit was erroneously listed for eutrophication. The lower reaches of Indian Creek were once listed for eutrophication, and the impairment was mistakenly carried up through the entire watershed. No nutrient samples have ever been collected from this assessment unit, and no data has ever suggested that it was impaired by nutrients. This assessment unit was visited on seven occasions between May 2011 and May 2012. No evidence of eutrophication or elevated nutrients was observed. As such, it is being delisted for two reasons: 1) The original listing was in error; and 2) There is no evidence of impairment, based on several field visits.

Sedimentation/Siltation

Applicable WQS attained; according to new assessment method

3/7/2012 (HS) - In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.

The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.

DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 98% stable. This indicates that erosion is minimal and that the assessment unit is not impaired by sediment.

Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.

ID17050114SW003d_03 Indian Creek, 3rd order upstream of Indian Creek Reservoir	15.43	MILES
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Nutrient/Eutrophication Biological Indicators

Applicable WQS attained; original basis for listing was incorrect

5/3/2012 (HS) - This assessment unit was erroneously listed for eutrophication. The lower reaches of Indian Creek were once listed for eutrophication, and the impairment was mistakenly carried up through the entire watershed. No nutrient samples have ever been collected from this assessment unit, and no data has ever suggested that it was impaired by nutrients.

This assessment unit was visited on nine occasions between May 2011 and May 2012. No evidence of eutrophication or elevated nutrients was observed.

As such, it is being delisted for two reasons:

- 1) The original listing was in error
- 2) There is no evidence of impairment, based upon several field visits

Sedimentation/Siltation

Applicable WQS attained; according to new assessment method

3/7/2012 (HS) - In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.

The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.

DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 99% stable. This indicates that erosion is minimal and that the assessment unit is not impaired by sediment.

Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.

ID17050114SW004_06 Lake Lowell	6059.2	ACRES
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Phosphorus (Total)

TMDL approved or established by EPA (4A)

3/8/2012 (HS) - 3/7/2012 (HS) - The Lake Lowell TMDL was reviewed and approved by EPA December 6, 2010. Refer to Table 25 on page 94 for the load capacity for Lake Lowell.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17050114SW008_03 Tenmile Creek - 3rd order below Blacks Creek Reservoir	29.48	MILES
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Fecal Coliform

Applicable WQS attained; due to change in WQS

3/7/2012 (HS) - E. coli criteria values were developed to be as protective as the fecal coliform criteria and were directly calculated by translating fecal coliform criteria using ratios of observed water quality data from EPA epidemiological studies. Recent E. coli data show a geometric mean of 699.5 col/100ml, which is greater than the 126 col/100ml criterion value, therefore the recreational use of this water body is considered impaired by bacteria. E. coli will be added as a cause of impairment for this AU.

ID17050114SW009_02 Blacks Creek and Bryans Run - 1st and 2nd order	56.21	MILES
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Combined Biota/Habitat Bioassessments

Applicable WQS attained; according to new assessment method

5/1/2012 (HS) - The impairment listing was based upon a failing 1998 BURP survey. However, this section of Blacks Creek is intermittent. It is most likely that the BURP site failed because of this intermittency - the metrics are not designed for intermittent streams. With our current methods and field manual, this site would probably never have been monitored.

It was possible, though, that the impairment was genuine, and based on field visits and knowledge of the area, would have been caused by temperature or sedimentation. To discount this possibility, DEQ's Boise Region conducted a sediment survey and deployed a thermograph:

SEDIMENT SURVEY

In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.

The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.

DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 96% stable. This indicates that erosion is minimal and that the assessment unit is not impaired by sediment.

Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.

Furthermore, the 1998 BURP site (1998SBOIB008) showed only 16% of the substrate consisted of material less than or equal to 2.5 millimeters in size.

THERMOGRAPH

A thermograph was deployed from 4/1/11 to 10/19/11 at the Blacks Creek Road culvert, near the Elmore/Ada County boundary, on the road to Prairie. It ran dry on July 16, 2011. The maximum daily average temperature exceeded 19C 1% of the time (one occasion). This means that the assessment unit meets the criteria for cold water aquatic life and is therefore not impaired by temperature.

It is therefore concluded that the reason for failure of the BURP metrics is that the creek is intermittent, and not because there is any real sediment or temperature problem. The creek should be delisted.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17050114SW009_03 Blacks Creek - 3rd order

7.12

MILES

Combined Biota/Habitat Bioassessments

Applicable WQS attained; according to new assessment method

5/1/2012 (HS) - The impairment listing was based upon a failing 1998 BURP survey. However, this section of Blacks Creek is intermittent. It is most likely that the BURP site failed because of this intermittency - the metrics are not designed for intermittent streams. With our current methods and field manual, this site would probably never have been monitored.

It was possible, though, that the impairment was genuine, and based on field visits and knowledge of the area, would have been caused by temperature or sedimentation. To discount this possibility, DEQ's Boise Region conducted a sediment survey and deployed a thermograph:

SEDIMENT SURVEY

In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.

The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.

DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 90% stable. This indicates that erosion is minimal and that the assessment unit is not impaired by sediment.

Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.

THERMOGRAPH

The stream has been listed for temperature, pending results. This serves to show that biota and sediment are not impairing the stream, and that temperature is the only remaining possible cause.

ID17050114SW010_02 Fivemile, Eightmile, and Ninemile Creeks - 1st and 2nd order

65

MILES

Fecal Coliform

Applicable WQS attained; due to change in WQS

3/7/2012 (HS) - E. coli criteria values were developed to be as protective as the fecal coliform criteria and were directly calculated by translating fecal coliform criteria using ratios of observed water quality data from EPA epidemiological studies. Recent E. coli data show a geometric mean of 708.8 col/100ml, which is greater than the 126 col/100ml criterion value, therefore the recreational use of this water body is considered impaired by bacteria. E. coli will be added as a cause of impairment for this AU.

ID17050114SW012_02 Stewart Gulch, Cottonwood and Crane Creeks - 1st & 2nd order

63.71

MILES

Combined Biota/Habitat Bioassessments

Applicable WQS attained; according to new assessment method

7/17/2012 (HS) - A 2003 thermograph indicated that the 3rd order section of Cottonwood Creek was not impaired for temperature. Specifically, the maximum daily average temperature was 17.94 C, and the maximum temperature was 22.09 C, which occurred on one occasion in five months. A thermograph was also placed in the 2nd order section, but this part of the stream ran dry. It is not possible to determine from the data exactly when the stream ran dry, and so the thermograph data are unusable. Typically, this stream is dry by mid-June.

The thermograph data from downstream indicate that temperature criteria are not exceeded in that section. Therefore, they are unlikely to be exceeded in the headwater section either.

In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.

The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.

DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 99% stable. This indicates that erosion is minimal and that the assessment unit is not impaired by sediment.

Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.

Finally, the BURP sites that caused the original listing should not have been used because they were visited outside of the index period (6/13/96 and 6/27/96) and on a stream that runs dry. We should not expect such a stream to correspond to the BURP metrics, which were developed for perennial streams, to be conducted between July and September. Additionally, total macroinvertebrate count was at each site was 122 and 32 respectively. Field notes mentioned that a poor seal was obtained, and that the water level was extremely low. The discharge at each site was 0.4 cfs.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17050114SW012_03 Cottonwood Creek - 3rd order (Fivemile Creek to Boise River)	5.93	MILES
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Combined Biota/Habitat Bioassessments

Applicable WQS attained; according to new assessment method

7/17/2012 (HS) - A 2003 thermograph indicated that the 3rd order section of Cottonwood Creek was not impaired for temperature. Specifically, the maximum daily average temperature was 17.94 C, and the maximum temperature was 22.09 C, which occurred on one occasion in five months.

In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.

The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.

DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 99% stable. This indicates that erosion is minimal and that the assessment unit is not impaired by sediment.

Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.

Finally, the BURP site that caused the original listing should not have been used because it was outside of the index period and on a stream that runs dry. We should not expect such a stream to correspond to the BURP metrics, which were developed for perennial streams, to be conducted between July and September. Additionally, total macroinvertebrate count was only 137.

ID17050114SW017_03 Sand Hollow Creek - I-84 to Sharp Road	18.25	MILES
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Fecal Coliform

Applicable WQS attained; due to change in WQS

5/8/2012 (HS) - E. coli criteria values were developed to be as protective as the fecal coliform criteria and were directly calculated by translating fecal coliform criteria using ratios of observed water quality data from EPA epidemiological studies. Recent E. coli data show a geometric mean of 573.4 col/100ml, which is greater than the 126 col/100ml criterion value, therefore the recreational use of this water body is considered impaired by bacteria. E. coli will be added as a cause of impairment for this AU.

17050115 Middle Snake-Payette

ID17050115SW001_08 Snake River - Boise River to Weiser River	71.93	MILES
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Cause Unknown

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

3/7/2012 (HS) - Cause Unknown (nutrients suspected impairment) is a redundant cause, because 'Total Phosphorus' has been identified as the cause, and a TMDL has been written.

17050120 South Fork Payette

ID17050120SW001_02 SF Payette River - 1st and 2nd order:Lowman to Garden Valley	115.81	MILES
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Cause Unknown

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

3/22/2012 (HS) - This assessment unit was identified as being impaired based upon BURP data. 'Cause Unknown', 'Fishes Bioassessments' and 'Habitat Bioassessment' were mistakenly used as placeholders for 'combined biota/habitat bioassessments'. Therefore, we are removing the erroneous causes and leaving only 'combined biota/habitat bioassessments' as the true cause.

Fishes Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

3/22/2012 (HS) - This assessment unit was identified as being impaired based upon BURP data. 'Cause Unknown', 'Fishes Bioassessments' and 'Habitat Bioassessment' were mistakenly used as placeholders for 'combined biota/habitat bioassessments'. Therefore, we are removing the erroneous causes and leaving only 'combined biota/habitat bioassessments' as the true cause.

Habitat Assessment (Streams)

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

3/22/2012 (HS) - This assessment unit was identified as being impaired based upon BURP data. 'Cause Unknown', 'Fishes Bioassessments' and 'Habitat Bioassessment' were mistakenly used as placeholders for 'combined biota/habitat bioassessments'. Therefore, we are removing the erroneous causes and leaving only 'combined biota/habitat bioassessments' as the true cause.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17050120SW001_05 South Fork Payette River - 5th order

23.98

MILES

Sedimentation/Siltation

Applicable WQS attained; according to new assessment method

3/8/2012 (HS) - From the South Fork Payette River Subbasin Five-Year Review (January 2011):

The USFS (2004) stated in a sediment transport study based on 72 measurements of bedload transport and 37 measurements of suspended sediment from 1994-1997 that suspended sediment accounted for the majority of transported material with over an order magnitude greater suspended transport than bedload transport at the highest discharges and similar rates at the lowest discharges. Thus, suspended sediment concentration is an adequate target in this case for determining water quality impairment due to sediment.

The target for suspended sediment concentration is a geometric mean of 50 mg/L SSC for no longer than 60 days and a geometric mean of 80 mg/L SSC for no longer than 14 days (SF Payette River SBA, DEQ 2004). This target allows for spikes in total suspended sediment due to spring runoff or episodic storm events. Since the South Fork Payette total suspended sediment data collected during water year 2008 and 2009 only exceeds 50 mg/L during the highest stream flows, total suspended sediment is unlikely to impact fisheries. 2009 load duration curves show that suspended sediment targets are met except at high flows, which account for less than 5% of the flows.

Turbidity levels were all very low. The highest measurement of 25 NTRUs on May 22, 2008 occurred at high flows of 3940 cfs and was still far below the instantaneous standard of 50 NTUs above background and would also be below the 25 NTU above background level for consecutive measurements.

The SF Salmon River Subbasin Assessment uses a monitoring target of five year depth fines mean of 27% or less with no individual year > 29%. In 2009, 14.8% depth fines were measured from pool tailouts in this assessment unit.

In summary, this assessment is not impaired by any kind of sediment.

17050122

Payette

ID17050122SW002_02 Tributaries to Black Canyon Reservoir

18.13

MILES

Combined Biota/Habitat Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

10/29/2012 (NED) - After a more thorough review of the BURP data collected in July 2004, DEQ determined that BURP site 2004SBOIA042 is not representative of the AU. The BURP site was placed immediately below a culvert and the flow at the time of the visit was only 0.1 cfs. According to the field notes, the single riffle in the reach was too narrow to sample and where the crew did manage to collect macroinvertebrate samples they were unable to get a good seal on the Hess net. With a flow as low as 0.1, any samples that were collected were not going to be representative of the water conditions of Anderson Creek and with such a low flow the Hess net was not the appropriate equipment to be using.

The stream macroinvertebrate index (SHI) which received a condition rating of 1 should not have been applied to a stream with a flow of 0.1 cfs. The SMI was developed based on community composition and function typical of an expected reference condition. Reference conditions describe persistent aquatic habitats that allow full development of aquatic communities and have few impacts from human activities. The culvert that is immediately upstream of the BURP site most likely has fundamentally altered this section of Anderson Creek from its original conditions and its biological and physical conditions causing the biological and habitat parameters not to fall within the range of natural variability of the reference conditions. Therefore, this data should not have been compared to reference conditions and not considered representative of the AU.

In conclusion, combined biota/habitat bioassessments has been delisted due to a listing error and the support status for CWAL and SS have been changed to unassessed. Until DEQ is capable of collecting sufficient water quality monitoring data to determine the support status of CWAL and SS, the tributaries to Black Canyon Reservoir will only be not fully supporting secondary contact recreation due to elevated E. coli concentrations.

ID17050122SW011_04 Little Squaw Creek - 4th order (Soldier Creek to mouth)

1.71

MILES

Combined Biota/Habitat Bioassessments

Applicable WQS attained; original basis for listing was incorrect

3/8/2012 (HS) - Little Squaw Creek was listed as impaired, based upon BURP site 2004SBOIA044. However, it has transpired that a software mistake caused the creek to be rated too low.

Previously, the SHI habitat index scored '1', and this caused DEQ to classify the creek as impaired. When the site is placed into its proper ecoregion (Snake River Basin/High Desert), and when embeddedness is considered, the site scores a '3'. This, in turn, indicates that Little Squaw Creek is not impaired.

The high macroinvertebrate index (3 out of 3) gives credence to this assessment.

The specific habitat metrics used, and their scores out of ten, were: Instream Cover (7), Large Organic Debris (1), Percent Fines (7), Embeddedness (5), Size Classes (8), Channel Shape (6), Percent Coverage (10), Percent Canopy (4), Disruptive Pressure (5), and Zone of Influence (6). Total score 59. The threshold for a score of 3 out of 3 is 57. (Idaho Small Stream Ecological Assessment Framework).

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17050122SW015_02	Bissel Creek - 1st and 2nd order	28.48	MILES
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Sedimentation/Siltation

Applicable WQS attained; according to new assessment method

3/7/2012 (HS) - In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.

The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.

DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 99% stable. This indicates that erosion is minimal and that the assessment unit is not impaired by sediment.

Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.

17050123

North Fork Payette

ID17050123SW002_03	Round Valley Creek - 3rd order	2.4	MILES
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Escherichia coli

Applicable WQS attained; reason for recovery unspecified

4/11/2012 (HS) - Another five-sample geometric mean was collected in May 2011, when overland runoff from grazed pastures was at a maximum. The recent E. coli data had a geomean less than the 126 col/100 mL criterion value, therefore the recreational use of this water body is no longer considered to be impaired by bacteria.

ID17050123SW007_02	West Mountain tributaries to Cascade Reservoir	60.5	MILES
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pH

Applicable WQS attained; according to new assessment method

3/7/2012 (HS) - From Cascade Reservoir Phase III Water Quality Management Plan & Five Year TMDL Review February 2009, page 15: "DEQ sampled the creek in 2008. There have been no pH violations in the past five years. DEQ recommends delisting AU ID17050123SW007_02 for pH in the next 303(d) listing cycle."

ID17050123SW011_02	Boulder/Willow Creek - 1st and 2nd order irrigated sections	18.42	MILES
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Combined Biota/Habitat Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

3/7/2012 (HS) - From Cascade Reservoir Phase III Water Quality Management Plan & Five Year TMDL Review February 2009, page 17, "The recent 303(d) listing of the AU based on habitat/bioassessment scores for AU17050123SW011_02 (the 1st and 2nd order irrigated sections of Boulder and Willow Creek) is not warranted since there is already a TMDL in place (AU17050123SW011_02). This is a listing error, and this AU is recommended for delisting in the next integrated report cycle."

ID17050123SW011_03	Boulder Creek - 3rd order (Louie Creek to mouth)	11.55	MILES
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Sedimentation/Siltation

TMDL approved or established by EPA (4A)

3/7/2012 (HS) - The Cascade Reservoir Tributary TMDL Addendum was reviewed and approved by EPA February 22, 2012. Refer to Table 7 on page 17 for load allocations for Boulder Creek.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17050123SW012_03 Lake Fork - Little Payette Lake to Cascade Reservoir	19.55	MILES
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Phosphorus (Total)

Applicable WQS attained; according to new assessment method

3/7/2012 (HS) - From Cascade Reservoir Phase III Water Quality Management Plan & Five Year TMDL Review February 2009, pages 18 and 19.

DEQ stream surveys above Little Payette Lake showed full support of beneficial uses. Lake Fork Creek below Little Payette Lake is listed for an unknown pollutant. Nutrient data showed low levels of total phosphorus in Lake Fork Creek (Figure 7). Dissolved orthophosphorus, the biologically available form of phosphorus, showed a decreasing trend from the mid 1990s. Prior to 2007, the average dissolved orthophosphorus concentration was 0.013 mg/L, and in 2007, the concentration was 0.006 mg/L.

In 2007, data was collected that showed DO in Lake Fork Creek below 6 mg/L (the Idaho minimum standard for DO) (ISDA 2007). Temperature data during that time did not show exceedance of the state standard. The field notes from the Idaho State Department of Agriculture for that data collection event state that macrophytic vegetation was present in the sampling transect. DEQ has noted the same characteristics but noted that the vegetation is not present throughout the channel, just in a short section below a deep pool and above a riffle. In 2008, depressed DO conditions were not seen. Lake Fork Creek has a substantial amount of water diverted from it in the summer. Lack of flow appears to be the primary factor leading to aquatic life impairment and low DO. DEQ recommends that Lake Fork Creek be listed for flow alteration.

ID17050123SW015_02 Mud Creek - 1st and 2nd order	25.62	MILES
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Sedimentation/Siltation

TMDL approved or established by EPA (4A)

3/7/2012 (HS) - The Cascade Reservoir Tributary TMDL Addendum was reviewed and approved by EPA February 22, 2012. Refer to Table 7 on page 17 for load allocations for Mud Creek.

ID17050123SW015_03 Mud Creek - 3rd order (Norwood to Reservoir)	7.15	MILES
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Ammonia (Un-ionized)

Applicable WQS attained; according to new assessment method

3/7/2012 (HS) - From Cascade Reservoir Phase III Water Quality Management Plan & Five Year TMDL Review February 2009, page 19: "The ammonia concentrations in Mud Creek ranged from 0.01 to 0.04 mg/L, far below the ammonia criteria, which are set at a level such that exceeding them would adversely affect young fish. DEQ recommends that Mud Creek be delisted for ammonia. Total nitrogen/total phosphorus (TN/TP) ratios are used to determine whether a stream system's aquatic plant growth is limited by phosphorus or nitrogen. TN/TP ratios less than 7 indicate a nitrogen-limited system whereas TN/TP ratios greater than 7 indicate a phosphorus-limited system. Mean TN/TP ratios in Mud Creek are greater than 7, indicating a phosphorus-limited system. Excess nutrients can lead to excess aquatic plant growth and low dissolved oxygen (DO). In 2007, DO levels ranged from 6.95 to 10.29, which exceeds the 6 mg/L minimum level required by the state DO criteria."

Combined Biota/Habitat Bioassessments

Applicable WQS attained; original basis for listing was incorrect

3/7/2012 (HS) - The sources of the impairment in Mud Creek have been identified as bacteria, sediment, and total phosphorus (Cascade Reservoir Phase III Water Quality Management Plan & Five Year TMDL Review February 2009 page 19). Therefore, 'combined biota/habitat bioassessments' is no longer needed as a placeholder.

Sedimentation/Siltation

TMDL approved or established by EPA (4A)

3/7/2012 (HS) - The Cascade Reservoir Tributary TMDL Addendum was reviewed and approved by EPA February 22, 2012. Refer to Table 7 on page 17 for load allocations for Mud Creek.

17050124

Weiser

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17050124SW002_02	Cove Creek - entire watershed	44.72	MILES
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Sedimentation/Siltation

Applicable WQS attained; according to new assessment method

3/7/2012 (HS) - In 2010 and 2011, the Boise Regional Office devised a simple bank-stability method that could be used to determine whether this assessment unit was impaired by sediment. Field work was conducted in the spring of 2010 and fall of 2011. Approximately five miles (one-third) of the length of this channel was surveyed.

The episodic nature of sediment pollution in intermittent streams makes direct monitoring extremely difficult. To solve this problem, a bank stability approach was used. Banks were considered stable if they did not show indications of breakdown, slump, fracture, or vertical erosion.

DEQ typically considers 80% stability to be the threshold for sediment impairment. The banks of this assessment unit were found to be 95% stable. This indicates that erosion is minimal and that the assessment unit is not impaired by sediment.

Final results are available in the documents 'Intermittent Streams Monitoring in the Boise Region: Spring 2010. Results and Field Summary', DEQ, December 2010, and 'Intermittent Streams Monitoring in the Boise Region: Fall 2011. Results and Field Summary', DEQ, December 2011. TRIM refs. 2010AKL104 and 2012AKL7 respectively.

Upper Snake

17040104 Palisades

ID17040104SK020_03	Iowa Creek - source to mouth	2.32	MILES
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Cause Unknown

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

9/19/2012 (NED) - In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Cause Unknown is a duplicate listing. Therefore, Cause Unknown has been delisted.

Habitat Assessment (Streams)

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

9/19/2012 (NED) - In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Habitat Assessment (Streams) is a duplicate listing. Therefore, Habitat Assessment (Streams) has been delisted.

17040105 Salt

ID17040105SK006_02g	Graehl Canyon	1.4	MILES
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Cause Unknown

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

9/19/2012 (NED) - In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Cause Unknown is a duplicate listing. Therefore, Cause Unknown has been delisted.

Habitat Assessment (Streams)

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

9/19/2012 (NED) - Habitat Assessment (Streams) was originally listed due to a low stream habitat index (SHI) in 2004. In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Habitat Assessment (Streams) is a duplicate listing. Therefore, Habitat Assessment (Streams) has been delisted.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17040105SK007_03	Tygee Creek - source to mouth	5.98	MILES
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Combined Biota/Habitat Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

9/27/2012 (JES) DEQ determined the impairment to be due to sediment and therefore, combined biota has been delisted. Sediment is in Category 4a. A sediment TMDL is currently being developed as part of the Salt River Subbasin Assessment and TMDL.

Habitat Assessment (Streams)

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

8/29/2012 (NED) - Habitat Assessment (Streams) was originally listed due to a low stream habitat index (SHI) in 1996. In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Habitat Assessment (Streams) is a duplicate listing. Therefore, Habitat Assessment (Streams) has been delisted.

ID17040105SK011_03	Rock Creek	3.44	MILES
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Cause Unknown

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

9/20/2012 (NED) - In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Cause Unknown is a duplicate listing. Therefore, Cause Unknown has been delisted.

Fishes Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

9/20/2012 (NED) - Fishes Bioassessments was originally listed due to a low stream fish index (SFI) in 2003. In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Fishes Bioassessments is a duplicate listing. Therefore, Fishes Bioassessments has been delisted.

Habitat Assessment (Streams)

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

9/20/2012 (NED) - Habitat Assessment (Streams) was originally listed due to a low stream habitat index (SHI) in 2003. In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Habitat Assessment (Streams) is a duplicate listing. Therefore, Habitat Assessment (Streams) has been delisted.

17040202 Upper Henrys

ID17040202SK044_02	Icehouse Creek - source to Island Park Reservoir	17.18	MILES
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Sedimentation/Siltation

Applicable WQS attained; according to new assessment method

3/14/2013 (DDS and NED) - During the development of the Upper and Lower Henry's Fork TMDL Addendum, approved August 27, 2010, a stream bank erosion inventory was conducted and the results showed that the current sediment load (existing erosion rate) of 0.5 t/mi/yr is not exceeding its load capacity of 2 t/mi/yr. The load capacity equals the natural background erosion rate, which is assumed to be achieved at 80% streambank stability. It was found that adjacent land use activities were not a source for excess sedimentation. Data from the DEQ investigations are presented in Table 7 on page 27 and Figure 19 on page 85 of the TMDL addendum. Therefore, DEQ is proposing to delist sediment and move this AU to Category 2.

ID17040202SK046_04	Willow Creek - source to mouth	9.99	MILES
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Fish Kills

Applicable WQS attained; original basis for listing was incorrect

3/15/2013 (DDS and NED) - The listing of fish kills was done in error and should have been documented as an observed effect. Fish kills are not considered a cause but rather a symptom. Investigations conducted for the development of the Upper and Lower Henry's Fork TMDL Addendum, approved August 27, 2010, found no sources or pathways for pollutants that could of caused the fish kills observed at BURP site 2004SIDFA021. Therefore, DEQ is proposing to delist fill kills from Category 5 and document it as an observed effect in ADB.

Sedimentation/Siltation

Applicable WQS attained; according to new assessment method

3/15/2013 (DDS and NED) - During the development of the Upper and Lower Henry's Fork TMDL Addendum, approved August 27, 2010, a stream bank erosion inventory was conducted and the results showed that the current sediment load (existing erosion rate) of 3 t/mi/yr is not exceeding its load capacity of 5 t/mi/yr. The load capacity equals the natural background erosion rate, which is assumed to be achieved at 80% streambank stability. In addition, DEQ's investigations determined that adjacent land use activities were not a source for excess sedimentation and the low BURP scores were due to inappropriate site selection. Data from the DEQ investigations are presented in Table 7 on page 27 and Figure 20 on page 86 of the TMDL addendum. Therefore, DEQ is proposing to delist sediment as a source of impairment to this AU.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

17040206

American Falls

ID17040206SK000_02a Danielson Creek

4.4

MILES

Combined Biota/Habitat Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

8/30/12 (JES) - During the development of the American Falls Subbasin Assessment and TMDL, approved August 6, 2012, DEQ determined that the biological impairment is due to excess sediment and total phosphorus (TP). Therefore, combined biota/habitat bioassessments has been delisted and replaced with sediment and TP which have been moved to Category 4a. In order to achieve the water quality targets a sediment load of 548 tons/year has been assigned along with a TP load of 192 tons/year. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxiii of the TMDL.

Phosphorus (Total)

TMDL approved or established by EPA (4A)

8/30/2012 (JES) - The American Falls Subbasin Assessment and TMDL was reviewed and approved by EPA on August 6, 2012. During the development of the TMDL, DEQ determined one of the causes responsible for the biological impairment was total phosphorus. Therefore, combined biota/habitat bioassessments has been delisted and replaced with total phosphorus which has been moved to Category 4a. In order to achieve the water quality target in the American Falls Subbasin, a load of 1.92 tons/year has been assigned to Danielson Creek. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxiii.

Sedimentation/Siltation

TMDL approved or established by EPA (4A)

8/30/12 (JES) - The American Falls Subbasin Assessment and TMDL was reviewed and approved by EPA on August 6, 2012. During the development of the TMDL, DEQ determined one of the causes responsible for the biological impairment was excess sediment. Therefore, combined biota/habitat bioassessments has been delisted and replaced with sediment which has been moved to Category 4a. In order to achieve the water quality target in the American Falls Subbasin, a load of 548 tons/year has been assigned to Danielson Creek. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxiii.

ID17040206SK001_05 American Falls Reservoir - Bannock Creek

4.37

MILES

Cause Unknown

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

8/31/2012 (NED) - During the development of the American Falls Subbasin Assessment and TMDL, approved August 6, 2012, DEQ determined the limiting nutrient to be total phosphorus (TP). Therefore, cause unknown has been delisted and replaced with total phosphorus which has been moved to Category 4a. Load allocations for American Falls Reservoir - Bannock Creek are included as part of the overall allocations for Bannock Creek. The total phosphorus load allocation for Bannock Creek and tributaries is 2.6 tons/year and require an annual reduction of 3.9 tons/yr. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxii.

Phosphorus (Total)

TMDL approved or established by EPA (4A)

9/6/2012 (JES) - The American Falls Subbasin Assessment and TMDL was reviewed and approved by EPA on August 6, 2012. During the development of the TMDL, DEQ determined one of the causes responsible for the biological impairment was excess total phosphorus. Load allocations for American Falls Reservoir - Bannock Creek are included as part of the overall allocations for Bannock Creek. The total phosphorus load allocation for Bannock Creek and tributaries is 2.6 tons/year and require an annual reduction of 3.9 tons/yr. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxii.

Sedimentation/Siltation

TMDL approved or established by EPA (4A)

9/6/2012 (JES) - The American Falls Subbasin Assessment and TMDL was reviewed and approved by EPA on August 6, 2012. During the development of the TMDL, DEQ determined one of the causes responsible for the biological impairment was excess sediment. Load allocations for American Falls Reservoir - Bannock Creek are included as part of the overall allocations for Bannock Creek. The sediment load allocation for Bannock Creek and tributaries is 948 tons/year and require an annual reduction of 99 tons/yr. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxii.

ID17040206SK001L_0L American Falls Reservoir (Snake River)

55509.29

ACRES

Chlorophyll-a

TMDL approved or established by EPA (4A)

9/6/2012 (JES) - During the development of the American Falls Subbasin Assessment and TMDL, approved August 6, 2012, DEQ determined the likely limiting nutrient to be total phosphorus (TP), which has been addressed in the tributaries. The result of excess TP has led to low dissolved oxygen levels in the reservoir. In an effort to address low dissolved oxygen levels a target concentration of 0.015 mg/L of chlorophyll a is recommended for American Falls Reservoir. For more information on TMDL loads and interim loads refer to Tables ES-2a and ES-2b on pages xx-xxi and a more detailed discussion may be found on page xxiii, 83 and 85.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17040206SK002_02 Bannock Creek - source to American Falls Reservoir

242.16

MILES

Cause Unknown

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

9/4/2012 (JES) - During the development of the American Falls Subbasin Assessment and TMDL, approved August 6, 2012, DEQ determined the likely limiting nutrient to be total phosphorus (TP). Therefore, cause unknown has been delisted and replaced with total phosphorus which has been moved to Category 4a. In order to achieve the water quality chlorophyll a target in the reservoir of 0.015 mg/L (pg. xviii and 85) the existing load of 6.5 tons/yr TP needs to be reduced to 2.6 tons/yr TP which is a reduction of 3.9 tons/yr. For more information on TMDL loads and interim loads refer to Tables ES-2a and ES-2b on pages xx-xxi and a more detailed discussion on page xxii.

Phosphorus (Total)

TMDL approved or established by EPA (4A)

9/4/2012 (JES) - During the development of the American Falls Subbasin Assessment and TMDL, approved August 6, 2012, DEQ determined the likely limiting nutrient to be total phosphorus (TP). Therefore, cause unknown has been delisted and replaced with total phosphorus which has been moved to Category 4a. In order to achieve the water quality chlorophyll a target in the reservoir of 0.015 mg/L (pg. xviii and 85) the existing load of 6.5 tons/yr TP needs to be reduced to 2.6 tons/yr TP which is a reduction of 3.9 tons/yr. For more information on TMDL loads and interim loads refer to Tables ES-2a and ES-2b on pages xx-xxi and a more detailed discussion on page xxii.

Sedimentation/Siltation

TMDL approved or established by EPA (4A)

9/4/2012 (JES) - The American Falls Subbasin Assessment and TMDL was reviewed and approved by EPA on August 6, 2012. During the development of the TMDL, DEQ determined excess sediment and total phosphorus (TP) to be contributing to the biological impairment. In order to achieve the water quality target in the American Falls Subbasin, a load of 948 tons/year has been assigned to Bannock Creek. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxii.

ID17040206SK002_03 Bannock Creek - source to American Falls Reservoir

14.26

MILES

Combined Biota/Habitat Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

9/4/2012 (JES) - The American Falls Subbasin Assessment and TMDL was reviewed and approved by EPA on August 6, 2012. During the development of the TMDL, DEQ determined excess sediment and total phosphorus (TP) to be contributing to the biological impairment. Therefore, combined biota/habitat bioassessments has been delisted and replaced with sediment and TP which have been moved to Category 4a. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxii.

Habitat Assessment (Streams)

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

5/17/2012 (NED) - Habitat Assessment (Streams) was originally listed due to a low stream habitat index (SHI) in 1996 and 2001. In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Habitat Assessment (Streams) is a duplicate listing. Therefore, Habitat Assessment (Streams) has been delisted.

Sedimentation/Siltation

TMDL approved or established by EPA (4A)

9/4/2012 (JES) - The American Falls Subbasin Assessment and TMDL was reviewed and approved by EPA on August 6, 2012. During the development of the TMDL, DEQ determined one of the causes contributing to the biological impairment was excess sediment. In order to achieve the water quality target in the American Falls Subbasin, a load of 948 tons/year has been assigned to Bannock Creek. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxii.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17040206SK002_04	Bannock Creek - source to American Falls Reservoir	10	MILES
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Cause Unknown

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

9/4/2012 (JES) - During the development of the American Falls Subbasin Assessment and TMDL, approved August 6, 2012, DEQ determined the likely limiting nutrient to be total phosphorus (TP). Therefore, cause unknown has been delisted and replaced with total phosphorus which has been moved to Category 4a. In order to achieve the water quality chlorophyll a target in the reservoir of 0.015 mg/L (pg. xviii and 85) the existing load of 6.5 tons/yr TP needs to be reduced to 2.6 tons/yr TP which is a reduction of 3.9 tons/yr. For more information on TMDL loads and interim loads refer to Tables ES-2a and ES-2b on pages xx-xxi and a more detailed discussion on page xxii.

Phosphorus (Total)

TMDL approved or established by EPA (4A)

9/4/2012 (JES) - During the development of the American Falls Subbasin Assessment and TMDL, approved August 6, 2012, DEQ determined the likely limiting nutrient to be total phosphorus (TP). In order to achieve the water quality chlorophyll a target in the reservoir of 0.015 mg/L (pg. xviii and 85) the existing load of 6.5 tons/yr TP needs to be reduced to 2.6 tons/yr TP which is a reduction of 3.9 tons/yr. For more information on TMDL loads and interim loads refer to Tables ES-2a and ES-2b on pages xx-xxi and a more detailed discussion on page xxii.

Sedimentation/Siltation

TMDL approved or established by EPA (4A)

9/4/2012 (JES) - The American Falls Subbasin Assessment and TMDL was reviewed and approved by EPA on August 6, 2012. In order to achieve the water quality target in the American Falls Subbasin, a load of 948 tons/year has been assigned to Bannock Creek. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxii.

ID17040206SK002_05	Bannock Creek - source to American Falls Reservoir	21.3	MILES
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Cause Unknown

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

9/4/2012 (JES) - During the development of the American Falls Subbasin Assessment and TMDL, approved August 6, 2012, DEQ determined the likely limiting nutrient to be total phosphorus (TP). Therefore, cause unknown has been delisted and replaced with total phosphorus which has been moved to Category 4a. In order to achieve the water quality chlorophyll a target in the reservoir of 0.015 mg/L (pg. xviii and 85) the existing load of 6.5 tons/yr TP needs to be reduced to 2.6 tons/yr TP which is a reduction of 3.9 tons/yr. For more information on TMDL loads and interim loads refer to Tables ES-2a and ES-2b on pages xx-xxi and a more detailed discussion on page xxii.

Phosphorus (Total)

TMDL approved or established by EPA (4A)

9/4/2012 (JES) - During the development of the American Falls Subbasin Assessment and TMDL, approved August 6, 2012, DEQ determined the likely limiting nutrient to be total phosphorus (TP). In order to achieve the water quality chlorophyll a target in the reservoir of 0.015 mg/L (pg. xviii and 85) the existing load of 6.5 tons/yr TP needs to be reduced to 2.6 tons/yr TP which is a reduction of 3.9 tons/yr. For more information on TMDL loads and interim loads refer to Tables ES-2a and ES-2b on pages xx-xxi and a more detailed discussion on page xxii.

Sedimentation/Siltation

TMDL approved or established by EPA (4A)

9/4/2012 (JES) - The American Falls Subbasin Assessment and TMDL was reviewed and approved by EPA on August 6, 2012. In order to achieve the water quality target in the American Falls Subbasin, a load of 948 tons/year has been assigned to Bannock Creek. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxii.

ID17040206SK006_02	Moonshine Creek - source to mouth	39.54	MILES
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Sedimentation/Siltation

TMDL approved or established by EPA (4A)

9/4/2012 (JES) - The American Falls Subbasin Assessment and TMDL was reviewed and approved by EPA on August 6, 2012. In order to achieve the water quality target in the American Falls Subbasin, a load of 168 tons/year has been assigned to Moonshine Creek, this is a reduction of 218 tons/year. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxii.

ID17040206SK008_02	West Fork Bannock Creek - source to mouth	23.8	MILES
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Sedimentation/Siltation

TMDL approved or established by EPA (4A)

9/4/2012 (JES) - The American Falls Subbasin Assessment and TMDL was reviewed and approved by EPA on August 6, 2012. In order to achieve the water quality target in the American Falls Subbasin, a load of 55 tons/year has been assigned to West Fork Creek, no reduction is required. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxii.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17040206SK009_02 Knox Creek - source to mouth		23.82	MILES
Benthic-Macroinvertebrate Bioassessments	Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)		
5/17/2012 (NED) - Benthic Macroinvertebrate Bioassessments was originally listed due to a low stream macroinvertebrate index (SMI) in 1996. In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Benthic Macroinvertebrate Bioassessments is a duplicate listing. Therefore, Benthic Macroinvertebrate Bioassessments has been delisted.			
Combined Biota/Habitat Bioassessments	Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)		
9/6/2012 (JES) During the development of the American Falls Subbasin Assessment and TMDL, approved August 6, 2012, DEQ identified sediment to be the cause of the biological impairment. Therefore, combined biota/habitat bioassessments has been delisted and replaced with sediment which has been moved to Category 4a.			
Habitat Assessment (Streams)	Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)		
5/17/2012 (NED) - Habitat Assessment (Streams) was originally listed due to a low stream habitat index (SHI) in 1996. In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Habitat Assessment (Streams) is a duplicate listing. Therefore, Habitat Assessment (Streams) has been delisted.			
Sedimentation/Siltation	TMDL approved or established by EPA (4A)		
9/6/2012 (JES) - The American Falls Subbasin Assessment and TMDL was reviewed and approved by EPA on August 6, 2012. Knox Creek is a tributary of Bannock Creek and the load allocations for Knox Creek are included as part of the overall allocations for Bannock Creek. The sediment load allocation for Bannock Creek and tributaries is 948 tons/year and require an annual reduction of 99 tons/yr. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxiii.			
ID17040206SK009_03 Knox Creek - source to mouth		7.83	MILES
Combined Biota/Habitat Bioassessments	Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)		
9/6/2012 (JES) - During the development of the American Falls Subbasin Assessment and TMDL, approved August 6, 2012, DEQ identified sediment to be the cause of the biological impairment. Therefore, combined biota/habitat bioassessments has been delisted and replaced with sediment which has been moved to Category 4a.			
Sedimentation/Siltation	TMDL approved or established by EPA (4A)		
9/6/2012 (JES) - The American Falls Subbasin Assessment and TMDL was reviewed and approved by EPA on August 6, 2012. Knox Creek is a tributary of Bannock Creek and the load allocations for Knox Creek are included as part of the overall allocations for Bannock Creek. The sediment load allocation for Bannock Creek and tributaries is 948 tons/year and require an annual reduction of 99 tons/yr. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxiii.			
ID17040206SK010_02 Rattlesnake Creek - source to mouth		53.37	MILES
Sedimentation/Siltation	TMDL approved or established by EPA (4A)		
9/6/2012 (JES) - The American Falls Subbasin Assessment and TMDL was reviewed and approved by EPA on August 6, 2012. In order to achieve the water quality target in the American Falls Subbasin, a load of 307 tons/year has been assigned to Rattlesnake Creek. An annual sediment load reduction of 327 tons/year is required. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxii.			
ID17040206SK010_02b Rattlesnake Creek		1.09	MILES
Benthic-Macroinvertebrate Bioassessments	Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)		
9/6/2012 (JES) - During the development of the American Falls Subbasin Assessment and TMDL, approved August 6, 2012, DEQ identified sediment to be the cause of the biological impairment. Therefore, benthic-macroinvertebrate bioassessments has been delisted and replaced with sediment which has been moved to Category 4a.			
Sedimentation/Siltation	TMDL approved or established by EPA (4A)		
9/6/2012 (JES) - The American Falls Subbasin Assessment and TMDL was reviewed and approved by EPA on August 6, 2012. In order to achieve the water quality target in the American Falls Subbasin, a load of 307 tons/year has been assigned to Rattlesnake Creek. An annual sediment load reduction of 327 tons/year is required. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxii.			

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17040206SK010_03	Rattlesnake Creek - source to mouth	9.96	MILES
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Sedimentation/Siltation

TMDL approved or established by EPA (4A)

9/6/2012 (JES) - The American Falls Subbasin Assessment and TMDL was reviewed and approved by EPA on August 6, 2012. In order to achieve the water quality target in the American Falls Subbasin, a load of 307 tons/year has been assigned to Rattlesnake Creek. An annual sediment load reduction of 327 tons/year is required. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxii.

ID17040206SK010_04	Rattlesnake Creek - lower	5.38	MILES
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Benthic-Macroinvertebrate Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

5/17/2012 (NED) - Benthic Macroinvertebrate Bioassessments was originally listed due to a low stream macroinvertebrate index (SMI) in 2001. In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Benthic Macroinvertebrate Bioassessments is a duplicate listing. Therefore, Benthic Macroinvertebrate Bioassessments has been delisted.

Combined Biota/Habitat Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

9/6/2012 (JES) - During the development of the American Falls Subbasin Assessment and TMDL, approved August 6, 2012, DEQ identified sediment to be the cause of the biological impairment. Therefore, combined biota/habitat bioassessments has been delisted and replaced with sediment which has been moved to Category 4a.

Fishes Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

5/17/2012 (NED) - Fishes Bioassessments was originally listed due to a low stream fish index (SFI) in 2001. In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Fishes Bioassessments is a duplicate listing. Therefore, Fishes Bioassessments has been delisted.

Habitat Assessment (Streams)

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

5/17/2012 (NED) - Habitat Assessment (Streams) was originally listed due to a low stream habitat index (SHI) in 2001. In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Habitat Assessment (Streams) is a duplicate listing. Therefore, Habitat Assessment (Streams) has been delisted.

Sedimentation/Siltation

TMDL approved or established by EPA (4A)

9/6/2012 (JES) - The American Falls Subbasin Assessment and TMDL was reviewed and approved by EPA on August 6, 2012. During the development of the TMDL, DEQ determined the cause responsible for the biological impairment was excess sediment. In order to achieve the water quality target in the American Falls Subbasin, a load of 307 tons/year has been assigned to Rattlesnake Creek. An annual sediment load reduction of 327 tons/year is required. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxii.

ID17040206SK022_02	Snake River - river mile 791	107.01	MILES
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Sedimentation/Siltation

TMDL approved or established by EPA (4A)

9/6/2012 (JES) - The American Falls Subbasin Assessment and TMDL was reviewed and approved by EPA on August 6, 2012. In order to achieve the water quality target in the American Falls Subbasin the load allocations for suspended sediment as measured at the U.S. Geological Survey (USGS) gages at Ferry Butte near Blackfoot (13069500) and near Shelley (13060000) are 164,471 tons/year and 118,286 tons/year, respectively. No load reductions are required at either location. Additional information on load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xix.

ID17040206SK024_02	McTucker Creek - source to American Falls Reservoir	1.94	MILES
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Sedimentation/Siltation

TMDL approved or established by EPA (4A)

9/6/2012 (JES) - The American Falls Subbasin Assessment and TMDL was reviewed and approved by EPA on August 6, 2012. In order to achieve the water quality target in the American Falls Subbasin, a load of 1,439 tons/year has been assigned to McTucker Creek. No annual sediment load reduction is required. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxiii.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17040206SK024_02a McTucker Creek

2.13

MILES

Benthic-Macroinvertebrate Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

5/17/2012 (NED) - Benthic Macroinvertebrate Bioassessments was originally listed due to a low stream macroinvertebrate index (SMI) in 2001. In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Benthic Macroinvertebrate Bioassessments is a duplicate listing. Therefore, Benthic Macroinvertebrate Bioassessments has been delisted.

Combined Biota/Habitat Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

9/6/2012 (JES) - During the development of the American Falls Subbasin Assessment and TMDL, approved August 6, 2012, DEQ identified sediment and total phosphorus (TP) to be causing the biological impairment. Therefore, combined biota/habitat bioassessments has been delisted and replaced with sediment and TP which have been moved to Category 4a.

Fishes Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

5/17/2012 (NED) - In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use combined Biota/Habitat bioassessments to indicate a biological impairment in a water body. Since combined biota/habitat Bioassessments is listed in Category 5 for this segment, Fishes Bioassessments is a duplicate listing. Therefore, Fishes Bioassessments has been delisted.

Habitat Assessment (Streams)

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

5/17/2012 (NED) - In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Habitat Assessment (Streams) is a duplicate listing. Therefore, Habitat Assessment (Streams) has been delisted.

Sedimentation/Siltation

TMDL approved or established by EPA (4A)

9/6/2012 (JES) - The American Falls Subbasin Assessment and TMDL was reviewed and approved by EPA on August 6, 2012. In order to achieve the water quality target in the American Falls Subbasin, a load of 1,439 tons/year has been assigned to McTucker Creek. No annual sediment load reduction is required. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxiii.

ID17040206SK025_02a Little Hole Draw

4.11

MILES

Combined Biota/Habitat Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

9/6/2012 (JES) - During the development of the American Falls Subbasin Assessment and TMDL, approved August 6, 2012, DEQ identified sediment and total phosphorus (TP) to be the causes of the biological impairment. Therefore, combined biota/habitat bioassessments has been delisted and replaced with sediment and TP which have been moved to Category 4a.

Phosphorus (Total)

TMDL approved or established by EPA (4A)

9/6/2012 (JES) - The American Falls Subbasin Assessment and TMDL was reviewed and approved by EPA on August 6, 2012. In order to achieve the water quality target in the American Falls Subbasin, a load of 0.82 tons/year has been assigned to Hazard Creek (Little Hole Draw). An annual total phosphorus load reduction of 3.26 tons/year is required. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxiii.

Sedimentation/Siltation

TMDL approved or established by EPA (4A)

9/6/2012 (JES) - The American Falls Subbasin Assessment and TMDL was reviewed and approved by EPA on August 6, 2012. In order to achieve the water quality target in the American Falls Subbasin, a load of 164 tons/year has been assigned to Hazard Creek (Little Hole Draw). No annual sediment load reduction is required. Load and interim load allocations may be found in Tables ES-2a and ES-2b on pages xx and xxi. Additional details may be found on page xxiii.

17040207

Blackfoot

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17040207SK021_03	Lower Chippy Creek	4.62	MILES
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Benthic-Macroinvertebrate Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

9/20/2012 (NED) - Benthic Macroinvertebrate Bioassessments was originally listed due to a low stream macroinvertebrate index (SMI) in 2002. In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Benthic Macroinvertebrate Bioassessments is a duplicate listing. Therefore, Benthic Macroinvertebrate Bioassessments has been delisted.

Habitat Assessment (Streams)

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

9/20/2012 (NED) - Habitat Assessment (Streams) was originally listed due to a low stream habitat index (SHI) in 2002. In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Habitat Assessment (Streams) is a duplicate listing. Therefore, Habitat Assessment (Streams) has been delisted.

ID17040207SK026_03	Brush Creek - source to mouth	13.33	MILES
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Benthic-Macroinvertebrate Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

8/29/2012 (NED) - Benthic Macroinvertebrate Bioassessments was originally listed due to a low stream macroinvertebrate index (SMI) in 2001. During the development of the Blackfoot River Subbasin Assessment and TMDL, approved by EPA April 3, 2002, it was determined that excess sediment and thermal loading were the causes of the low SHI score. Therefore, Benthic Macroinvertebrate Bioassessments has been delisted and sediment and temperature have been moved to Category 4a.

Combined Biota/Habitat Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

8/29/2012 (NED) - During the development of the Blackfoot River Subbasin Assessment and TMDL, approved by EPA April 3, 2002, it was determined that the cause of the biological impairment (combined biota/habitat bioassessments) was due to sediment and temperature. Therefore, combined biota/habitat bioassessments has been delisted and sediment and temperature have been moved to Category 4a.

Habitat Assessment (Streams)

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

8/29/2012 (NED) - Habitat Assessment (Streams) was originally listed due to a low stream habitat index (SHI) score in 1996 and 2002. During the development of the Blackfoot River Subbasin Assessment and TMDL, approved by EPA April 3, 2002, it was determined that excess sediment and thermal loading were the causes of the low SHI score. Therefore, Habitat Assessments (Streams) has been delisted and sediment and temperature have been moved to Category 4a.

ID17040207SK027_02	Rawlins Creek - headwaters to Horse Creek	6.22	MILES
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Benthic-Macroinvertebrate Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

8/29/2012 (NED) - Benthic Macroinvertebrate Bioassessments was originally listed due to a low stream macroinvertebrate index (SMI) in 1995 and 2002. In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Benthic Macroinvertebrate Bioassessments is a duplicate listing. Therefore, Benthic Macroinvertebrate Bioassessments has been delisted.

Combined Biota/Habitat Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

9/27/2012 (JES) During the development of the Blackfoot River TMDL Addendum DEQ determined the impairment to be due to sediment and therefore, combined biota has been delisted. Sediment is in Category 4a. A sediment TMDL has been developed as part of the Blackfoot River TMDL and Addendum.

Habitat Assessment (Streams)

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

8/29/2012 (NED) - Habitat Assessment (Streams) was originally listed due to a low stream habitat index (SHI) in 1995 and 2002. In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Habitat Assessment (Streams) is a duplicate listing. Therefore, Habitat Assessment (Streams) has been delisted.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17040207SK029_03	Cedar Creek - source to mouth	2.1	MILES
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Benthic-Macroinvertebrate Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

9/20/2012 (NED) - Benthic Macroinvertebrate Bioassessments was originally listed due to a low stream macroinvertebrate index (SMI) in 2002. In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Benthic Macroinvertebrate Bioassessments is a duplicate listing. Therefore, Benthic Macroinvertebrate Bioassessments has been delisted.

Fishes Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

9/20/2012 (NED) - In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Fishes Bioassessments is a duplicate listing. Therefore, Fishes Bioassessments has been delisted.

Habitat Assessment (Streams)

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

9/20/2012 (NED) - Habitat Assessment (Streams) was originally listed due to a low stream habitat index (SHI) in 2002. In order to minimize the number of causes that indicate a biological impairment, DEQ decided only to use Combined Biota/Habitat Bioassessments to indicate a biological impairment in a water body. Since Combined Biota/Habitat Bioassessments is listed in Category 5 for this segment, Habitat Assessment (Streams) is a duplicate listing. Therefore, Habitat Assessment (Streams) has been delisted.

17040208

Portneuf

ID17040208SK001_05	Portneuf River - Marsh Creek to American Falls Reservoir	28.52	MILES
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Escherichia coli

TMDL approved or established by EPA (4A)

5/30/2012 (JES) The Portneuf River TMDL Revision and Addendum was approved July 29, 2010. E. coli levels can be found in Table 2.1 on page 10, table 5.1 on page 94 and pages 96-97. Multiple monitoring stations exist along this AU and at one station a geomean of 1518 col/100mL was observed which is greater than the 126 col/100mL criterion value. Therefore, the recreational use of this waterbody is considered impaired by bacteria. This E. coli listing and TMDL replaces fecal coliform.

Fecal Coliform

Applicable WQS attained; due to change in WQS

5/30/2012 (JES) E. coli criteria values were developed to be as protective as the fecal coliform criteria and were directly calculated by translating fecal coliform criteria using ratios of observed water quality data from EPA epidemiological studies. Recent E. coli data show a geomean of 1518 col/100mL which is greater than the 126 col/100mL criterion value, therefore the recreational use of this waterbody is considered impaired by bacteria. E. coli will be added as a cause of impairment for this AU.

Nutrient/Eutrophication Biological Indicators

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

5/16/2012 (NED) - During the development of the Portneuf River Subbasin Assessment and TMDL, approved April 16, 2001, it was determined that the specific nutrients impairing this reach of the Portneuf River was nitrogen (total) and phosphorus (total). Since the specific nutrients have been identified the nutrient/eutrophication biological indicators listing is no longer needed as a place holder for nutrients. Therefore, the nutrient/eutrophication biological indicators listing has been delisted and replaced with TN and TP.

ID17040208SK003_02a	Gibson Jack Creek - upper and middle	14.67	MILES
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Sedimentation/Siltation

Applicable WQS attained; original basis for listing was incorrect

2/29/2012 (JES) - Gibson Jack Creek was listed in error and is fully supporting its beneficial uses. The following stream was monitored in 2007, 2002, and 1995 by the Beneficial Use Reconnaissance Program. Burp site ID's: 2007SPOCB003, 2002SPOCA001, and 1995SPOCA001. The stream passed all three years with a 3.00 in 2007, a 2.67 in 2002, and a 3.00 in 1995. It had low percent fines recorded, defined as particles less than or equal to 2.5 millimeters in size, in 2007 (< 16%), 2002 (< 30%), and 1995 (< 22%). According to DEQ's Guide to Selection of Sediment Targets for Use in Idaho TMDLs, most impairment is noted when percent fines of this size make up greater than 30% of the substrate. Additionally, data show the stream bank stability to be excellent, with 94% (2007), 91.5% (2002), and 87.5 % (1995) rated as covered and stable. Furthermore, the stream macroinvertebrate index (SMI) "Condition Rating" from macroinvertebrate samples collected from the BURP sites was 3 for all monitoring years: 2007, 2002, and 1995. According to DEQ's Water Body Assessment Guidance, these condition ratings indicate a healthy macroinvertebrate community (Grafe et al. 2002). Additionally, there has been trail improvement in the watershed reducing potential sediment loading. A recreational bridge on the stream has been replaced and improved in 2011. Therefore, DEQ proposes to delist the assessment unit for sediment since impacts from sediment are not readily apparent.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17040208SK007_02a Upper Walker Creek - headwaters to S. FK. Walker Creek	10.73	MILES
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Sedimentation/Siltation

Applicable WQS attained; original basis for listing was incorrect

2/29/2012 (JES) - Walker Creek was listed in error and is fully supporting its beneficial uses. The following stream was monitored in 2008, 1997, and 1994 by the Beneficial Use Reconnaissance Program. Burp site ID's: 2008SPOCA019, 1997SPOCA006, and 1994SPOCA005. The stream passed all three years with a 2.50 in 2008, a 2.50 in 1997, and a 2.33 in 1994. It had low percent fines recorded, defined as particles less than or equal to 2.5 millimeters in size, in 2008 (16%), 1997 (22.8%), and 1994 (8%). According to DEQ's Guide to Selection of Sediment Targets for Use in Idaho TMDLs, most impairment is noted when percent fines of this size make up greater than 30% of the substrate. Additionally, data show the stream bank stability to be excellent, with 84% in 2008 rated as covered and stable. Furthermore, the stream macroinvertebrate index (SMI) "Condition Rating" from macroinvertebrate samples collected from the BURP sites was 3 for all monitoring years: 2008, 1997, and 1994. According to DEQ's Water Body Assessment Guidance, these condition ratings indicate a healthy macroinvertebrate community (Grafe et al. 2002). Therefore, DEQ proposes to delist the assessment unit for sediment since impacts from sediment are not readily apparent.

ID17040208SK008_02 Bell Marsh Creek - source to mouth	1.86	MILES
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Nitrogen (Total)

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

9/27/2012 (JES) - The nutrient targets that were established in the 2001 Portneuf River TMDL were not intended to be applied to Bell Marsh Creek. Total phosphorus and total nitrogen were erroneously added as impairing this water body. There is no readily available data or information that concludes excess nutrients are impairing beneficial uses. Therefore, until data is collected to conclusively demonstrate an impairment to beneficial uses due to excess nutrients, DEQ is delisting total phosphorus and total nitrogen.

Phosphorus (Total)

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

9/27/2012 (JES) - The nutrient targets that were established in the 2001 Portneuf River TMDL were not intended to be applied to Bell Marsh Creek. Total phosphorus and total nitrogen were erroneously added as impairing this water body. There is no readily available data or information that concludes excess nutrients are impairing beneficial uses. Therefore, until data is collected to conclusively demonstrate an impairment to beneficial uses due to excess nutrients, DEQ is delisting total phosphorus and total nitrogen.

ID17040208SK008_02a Upper Bell Marsh Creek - headwaters to USFS boundary	6.72	MILES
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Nitrogen (Total)

Applicable WQS attained; original basis for listing was incorrect

9/27/2012 (JES) - During the development of the Portneuf River TMDL Revision and Addendum, approved July 29, 2010, it was determined that Upper Bell Marsh Creek was fully supporting beneficial uses and listed in error. No biological impairment exists and BURP monitoring indicates full support of CWAL. The average BURP score in 2008 and 2007 was 3.00, in 2006 it was 2.33, in 2005 and 2004 it was 3.00, in 2003 it was 2.67, in 2002 and 2001 it was 3.00, and in 1995 it was 2.67. According to DEQ's Water Body Assessment Guidance, an average score of greater than or equal to 2.00 is considered fully supporting. The targets that were established in the TMDL were intended to be protective, however they are unneeded to meet downstream water quality targets. For additional information refer to Table 2.1 on page 12, Table 2.11 on page 73, page 74 and Table 2.12 on page 75 in the Portneuf River TMDL Revision and Addendum.

Phosphorus (Total)

Applicable WQS attained; original basis for listing was incorrect

9/27/2012 (JES) - During the development of the Portneuf River TMDL Revision and Addendum, approved July 29, 2010, it was determined that Upper Bell Marsh Creek was fully supporting beneficial uses and listed in error. No biological impairment exists and BURP monitoring indicates full support of CWAL. The average BURP score in 2008 and 2007 was 3.00, in 2006 it was 2.33, in 2005 and 2004 it was 3.00, in 2003 it was 2.67, in 2002 and 2001 it was 3.00, and in 1995 it was 2.67. According to DEQ's Water Body Assessment Guidance, an average score of greater than or equal to 2.00 is considered fully supporting. The targets that were established in the TMDL were intended to be protective, however they are unneeded to meet downstream water quality targets. For additional information refer to Table 2.1 on page 12, Table 2.11 on page 73, page 74 and Table 2.12 on page 75 in the Portneuf River TMDL Revision and Addendum.

Sedimentation/Siltation

Applicable WQS attained; original basis for listing was incorrect

9/27/2012 (JES) - During the development of the Portneuf River TMDL Revision and Addendum, approved July 29, 2010, it was determined that Upper Bell Marsh Creek was fully supporting beneficial uses and listed in error. No biological impairment exists and BURP monitoring indicates full support of CWAL. The average BURP score in 2008 and 2007 was 3.00, in 2006 it was 2.33, in 2005 and 2004 it was 3.00, in 2003 it was 2.67, in 2002 and 2001 it was 3.00, and in 1995 it was 2.67. According to DEQ's Water Body Assessment Guidance, an average score of greater than or equal to 2.00 is considered fully supporting. The targets that were established in the TMDL were intended to be protective, however they are unneeded to meet downstream water quality targets. For additional information refer to Table 2.1 on page 12, Table 2.11 on page 73, page 74 and Table 2.12 on page 75 in the Portneuf River TMDL Revision and Addendum.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17040208SK008_02b lower Bell Marsh Creek

2.7

MILES

Nitrogen (Total)

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

10/1/2012 (NED) - The nutrient targets that were established in the 2001 Portneuf River TMDL were not intended to be applied to the lower segment of Bell Marsh Creek. Total phosphorus and total nitrogen were erroneously added as impairing this water body. There is no readily available data or information that concludes excess nutrients are impairing beneficial uses. Therefore, until data is collected to conclusively demonstrate an impairment to beneficial uses due to excess nutrients, DEQ is delisting total phosphorus and total nitrogen.

Phosphorus (Total)

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

10/1/2012 (NED) - The nutrient targets that were established in the 2001 Portneuf River TMDL were not intended to be applied to the lower segment of Bell Marsh Creek. Total phosphorus and total nitrogen were erroneously added as impairing this water body. There is no readily available data or information that concludes excess nutrients are impairing beneficial uses. Therefore, until data is collected to conclusively demonstrate an impairment to beneficial uses due to excess nutrients, DEQ is delisting total phosphorus and total nitrogen.

ID17040208SK014_02a Upper Cherry Creek

10.03

MILES

Nitrogen (Total)

Applicable WQS attained; original basis for listing was incorrect

5/21/2012 (JES) Upper Cherry Creek (ID17040208SK014_02a) was included in the BURP assessment of the Portneuf River subbasin in 2005 and 2002. Both assessments indicated that upper Cherry Creek was fully supporting cold water aquatic life (78.57 SMI and 79.0 SHI in 2005 and 62.29 SMI and 62.0 SHI in 2002). Nutrient loading was assessed in Cherry Creek at the USFS boundary five times from 2004 to 2007 (Table 5.22, pg 143). The median TN concentrations from Cherry Creek was 0.31 mg/L. Load estimates were developed using discharge measurements completed during each sampling visit. All five TN loads at Cherry Creek were below the target loads (1.0 mg/L). Therefore, Cherry Creek is consistently meeting targets for TN and should be delisted.

Phosphorus (Total)

Applicable WQS attained; original basis for listing was incorrect

5/21/2012 (JES) Upper Cherry Creek (ID17040208SK014_02a) was included in the BURP assessment of the Portneuf River subbasin in 2005 and 2002. Both assessments indicated that upper Cherry Creek was fully supporting cold water aquatic life (78.57 SMI and 79.0 SHI in 2005 and 62.29 SMI and 62.0 SHI in 2002). Nutrient loading was assessed in Cherry Creek at the USFS boundary five times from 2004 to 2007 (Table 5.22, pg 143). The median TP concentrations from Cherry Creek was 0.04 mg/L. Load estimates were developed using discharge measurements completed during each sampling visit (Table 5.22, pg 143). Four of five TP load estimates were below the target loads (0.07 mg/L for low flow and 0.125 mg/L for high flow). Therefore, Cherry Creek is consistently meeting targets for TP and should be delisted.

Sedimentation/Siltation

Applicable WQS attained; original basis for listing was incorrect

4/9/2012 (JES) - BURP data collected in 1994, 1996, 2002 and 2005 showed bank stability to be 98% with 95% of the stream rated as covered and stable; 98% with 97.5% covered and stable; 94% with 87.5% covered and stable; and 92% with 89.5% covered and stable, respectively. TSS concentrations were 18 mg/L in June 2006, 2.2 mg/L in September 2006 and 19 mg/L in July 2007. Furthermore, this segment received an average score of 3.0 for three of the four BURP sits and the four site received an average score of 2.33. According to DEQ's Water Body Assessment Guidance, an average score of greater than or equal to 2 is considered fully supporting. Based on this water quality monitoring data, upper Cherry Creek has met the sediment target for both high flow (80mg/L) and low flow (35 mg/L) conditions, as well as, greater than 80% bank stability. Therefore, as recommended in the Portneuf River TMDL Revision and Addendum, approved July 29, 2010, sediment has been delisted.

ID17040208SK014_02b Cherry Creek

5.83

MILES

Sedimentation/Siltation

Applicable WQS attained; due to change in WQS

6/8/2012 (JES) The Portneuf TMDL recommends delisting for sediment. Streambank were assessed in 2008 and found to be 84% stable. In 2004, the USFS sampled suspended sediments and measured the amount of fine sediments in Cherry Creek. Total suspended solids concentrations on May 17 and August 18, 2004, were 21 mg/L (discharge = 14 cfs; 1,588 lbs TSS/day) and 12 mg/L (discharge 2 cfs; 130 lbs TSS/day), respectively. Depth fines measurements from three reaches indicated that, on average, sediment materials with diameter less than 0.85 mm and less than 6.25 mm represented 7.8% and 24.4% of the bed, respectively. The 2001 Portneuf River TMDL had depth fines targets of 10% for materials smaller than 0.85 mm and 25% for materials smaller than 6.25 mm. Water quality samples collected in 2006 and 2007 showed that TSS concentrations in Cherry Creek were below the high and low-flow TSS targets for tributaries. On June 27 and September 25, 2006, TSS concentrations were 18 mg/L and 2.2 mg/L. Similarly, TSS concentrations on July 18, 2007 were 19 mg/L.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17040208SK023_03	lower Rapid Creek	5.62	MILES
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Sedimentation/Siltation

Applicable WQS attained; according to new assessment method

3/6/2013 (JES and NED) - During the development of the Portneuf River TMDL Revision and Addendum, approved July 29, 2010, it was determined that the lower reach of Rapid Creek was meeting the total suspended solids (TSS) target and supporting the cold water aquatic life beneficial use. The TSS targets established in the TMDL are 35 mg/L during low flow, 80 mg/L during high flow or 80% bank stability for tributaries. The mean 1999/2000 annual low and high flow TSS concentrations in lower Rapid Creek were 8 and 58 mg/L respectively. Then during a 2007 sampling event the 80 mg/L high flow TSS target was met again (average 23.6 mg/L across a 6 hour sampling bout). Stream bank stability was determined to be excellent with 93% of the stream rated as covered and stable in 1995 and 100% and 90% in 2001. BURP data from two sites in 2001 (2001SPOCA020 and 2001SPOCA022) received an average score of 2.5 and 3.0 and in 2004 BURP site 2004SPOCF001 received an average score of 2.0. According to DEQ's water body assessment guidance an average score of greater than or equal to 2.0 is considered fully supporting its beneficial uses. Furthermore, no other sources of excess sediment were identified to exist upstream. Therefore, DEQ is proposing to delist sediment and move this AU to Category 2. For additional information refer to Table 2.1, page 18 and page 142 of the TMDL.

ID17040208SK026_02	North Fork Pocatello Creek - source to mouth	6.36	MILES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

This assessment unit was identified as fully supporting its beneficial uses in the Portneuf River TMDL and Addendum. Table 2.12 (pg 76) lists a SMI of 57.96 and a SHI of 54.0. Additionally, bank stability was measured at 95% (Table 5.21, pg 138), exceeding the 80% bank stability standard. Because beneficial uses are supporting and bank stability is being met it is recommended that it be delisted.

ID17040208SK026_02a	North Fork Pocatello Creek - headwaters to Pocatello Creek	10.53	MILES
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Sedimentation/Siltation

Applicable WQS attained; original basis for listing was incorrect

6/26/2012 (JES) - North Fork Pocatello Creek was identified as fully supporting its beneficial uses in the Portneuf River TMDL and Addendum, approved July 29, 2010. Table 2.12 (pg. 76) lists a SMI of 57.96 and a SHI of 54.0. Additionally, bank stability was measured at 95% (Table 5.21, pg. 138), exceeding the 80% bank stability standard. Because beneficial uses are supporting and bank stability is being met it is recommended that North Fork Pocatello Creek be delisted.

17040209 Lake Walcott

ID17040209SK001_07	Snake River - Heyburn/Burley Bridge to Milner Dam	15.6	MILES
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Nutrient/Eutrophication Biological Indicators

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

4/27/2012 - Nutrient/Eutrophication Biological Indicators was a place holder until the specific cause was identified. During the development of the Lake Walcott Subbain Assessment and TMDL, approved June 27, 2000, phosphorus (total) was identified as causing the impairment. Therefore, Nutrient/Eutrophication Biological Indicators has been delisted and replaced with TP.

Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

5/8/2012 (J.Tollefson) - To meet downstream TMDL reductions in the Snake River (Upper Snake Rock subbasin), in stream water quality targets were established. These targets are protective and do not imply that the Snake River (Lake Walcott) is impaired. The original basis for the sedimentation/siltation listing was in error. There was no data to support this listing, nor was it recommended for listing in the Lake Walcott TMDL (EPA Approved 2000). Sedimentation/siltation has not been assessed for the Snake River "because of the difficulty of measuring it, but more importantly because the dams and reservoirs should effectively interrupt transport of this component of sediment in the river " See: Lake Walcott TMDL (EPA Approved 2000): p. 62. Water quality data was collected by DEQ-TFRO from 2007 to 2011 and indicates a mean value of 16.9 mg/L, which is below the in-stream water quality standard of 40 mg/L set forth in the Lake Walcott TMDL (EPA Approved 2000): p.134.

ID17040209SK002_07	Snake River - Minidoka Dam to Heyburn/Burley Bridge	20.63	MILES
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Sedimentation/Siltation

Applicable WQS attained; original basis for listing was incorrect

4/16/2012 (JT) - The original basis for the sedimentation/siltation listing was in error. There was no data to support this listing, nor was it recommended for listing in the Lake Walcott TMDL (EPA Approved 2000). Sedimentation/siltation has not been assessed for the Snake River "because of the difficulty of measuring it, but more importantly because the dams and reservoirs should effectively interrupt transport of this component of sediment in the river " See: Lake Walcott TMDL (EPA Approved 2000): p. 62. Water quality data was collected by DEQ-TFRO from 2007 to 2011 and indicates a minimum TSS value of 1.00 mg/L, a mean value of 7.78 mg/L, and a maximum value of 38.00 mg/L which is below the in-stream water quality standard of 40 mg/L set forth in the Lake Walcott TMDL (EPA Approved 2000): p.134.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17040209SK008_04	Rock Creek - confluence of South and East Fork Rock Creek	13.25	MILES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

3/26/2012 (S. Woodhead) - Sediment/siltation replaced with TSS. Refer to the Lake Walcott TMDL, approved by EPA June 27, 2000. According to the TMDL total suspended solids will be the focus because it is the dominant §303(d) listed pollutant and/or stressor. In all the data collections for the development of the Lake Walcott TMDL, the contribution of bedload is ignored, because of the difficulty of measuring it, but more importantly because the dams and reservoirs should effectively interrupt transport of this component of sediment in the river. Refer to Table 48 on page 148 of the TMDL for TSS load allocation for Rock Creek.

Total Suspended Solids (TSS)

TMDL approved or established by EPA (4A)

3/26/2012 (S. Woodhead) - Sediment/siltation replaced with TSS. Refer to the Lake Walcott TMDL, approved by EPA June 27, 2000. According to the TMDL total suspended solids will be the focus because it is the dominant §303(d) listed pollutant and/or stressor. In all the data collections for the development of the Lake Walcott TMDL, the contribution of bedload is ignored, because of the difficulty of measuring it, but more importantly because the dams and reservoirs should effectively interrupt transport of this component of sediment in the river. Refer to Table 48 on page 148 of the TMDL for TSS load allocation for Rock Creek.

ID17040209SK009_02	South Fork Rock Creek - source to mouth	246.39	MILES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

3/26/2012 (S. Woodhead) - Sediment/siltation replaced with TSS. Refer to the Lake Walcott TMDL, approved by EPA June 27, 2000. According to the TMDL total suspended solids will be the focus because it is the dominant §303(d) listed pollutant and/or stressor. In all the data collections for the development of the Lake Walcott TMDL, the contribution of bedload is ignored, because of the difficulty of measuring it, but more importantly because the dams and reservoirs should effectively interrupt transport of this component of sediment in the river. Refer to Table 48 on page 148 of the TMDL for TSS load allocation for Rock Creek.

Total Suspended Solids (TSS)

TMDL approved or established by EPA (4A)

3/26/2012 (S. Woodhead) - Sediment/siltation replaced with TSS. Refer to the Lake Walcott TMDL, approved by EPA June 27, 2000. According to the TMDL total suspended solids will be the focus because it is the dominant §303(d) listed pollutant and/or stressor. In all the data collections for the development of the Lake Walcott TMDL, the contribution of bedload is ignored, because of the difficulty of measuring it, but more importantly because the dams and reservoirs should effectively interrupt transport of this component of sediment in the river. Refer to Table 48 on page 148 of the TMDL for TSS load allocation for Rock Creek.

ID17040209SK009_03	South Fork Rock Creek - source to mouth	8.01	MILES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

4/9/2012 (S. Woodhead) - Sediment/siltation replaced with TSS. Refer to the Lake Walcott TMDL, approved by EPA June 27, 2000. According to the TMDL total suspended solids will be the focus because it is the dominant §303(d) listed pollutant and/or stressor. In all the data collections for the development of the Lake Walcott TMDL, the contribution of bedload is ignored, because of the difficulty of measuring it, but more importantly because the dams and reservoirs should effectively interrupt transport of this component of sediment in the river. Refer to Table 48 on page 148 of the TMDL for TSS load allocation for Rock Creek.

Total Suspended Solids (TSS)

TMDL approved or established by EPA (4A)

4/9/2012 (S. Woodhead) - Sediment/siltation replaced with TSS. Refer to the Lake Walcott TMDL, approved by EPA June 27, 2000. According to the TMDL total suspended solids will be the focus because it is the dominant §303(d) listed pollutant and/or stressor. In all the data collections for the development of the Lake Walcott TMDL, the contribution of bedload is ignored, because of the difficulty of measuring it, but more importantly because the dams and reservoirs should effectively interrupt transport of this component of sediment in the river. Refer to Table 48 on page 148 of the TMDL for TSS load allocation for Rock Creek.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17040209SK009_04	South Fork Rock Creek - source to mouth	20.15	MILES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

4/9/2012 (S. Woodhead) - Sediment/siltation replaced with TSS. Refer to the Lake Walcott TMDL, approved by EPA June 27, 2000. According to the TMDL total suspended solids will be the focus because it is the dominant §303(d) listed pollutant and/or stressor. In all the data collections for the development of the Lake Walcott TMDL, the contribution of bedload is ignored, because of the difficulty of measuring it, but more importantly because the dams and reservoirs should effectively interrupt transport of this component of sediment in the river. Refer to Table 48 on page 148 of the TMDL for TSS load allocation for Rock Creek.

Total Suspended Solids (TSS)

TMDL approved or established by EPA (4A)

4/9/2012 (S. Woodhead) - Sediment/siltation replaced with TSS. Refer to the Lake Walcott TMDL, approved by EPA June 27, 2000. According to the TMDL total suspended solids will be the focus because it is the dominant §303(d) listed pollutant and/or stressor. In all the data collections for the development of the Lake Walcott TMDL, the contribution of bedload is ignored, because of the difficulty of measuring it, but more importantly because the dams and reservoirs should effectively interrupt transport of this component of sediment in the river. Refer to Table 48 on page 148 of the TMDL for TSS load allocation for Rock Creek.

ID17040209SK010_02	East Fork Rock Creek - source to mouth	23.28	MILES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

4/9/2012 (S. Woodhead) - Sediment/siltation replaced with TSS. Refer to the Lake Walcott TMDL, approved by EPA June 27, 2000. According to the TMDL total suspended solids will be the focus because it is the dominant §303(d) listed pollutant and/or stressor. In all the data collections for the development of the Lake Walcott TMDL, the contribution of bedload is ignored, because of the difficulty of measuring it, but more importantly because the dams and reservoirs should effectively interrupt transport of this component of sediment in the river. Refer to Table 48 on page 148 of the TMDL for TSS load allocation for Rock Creek.

Total Suspended Solids (TSS)

TMDL approved or established by EPA (4A)

4/9/2012 (S. Woodhead) - Sediment/siltation replaced with TSS. Refer to the Lake Walcott TMDL, approved by EPA June 27, 2000. According to the TMDL total suspended solids will be the focus because it is the dominant §303(d) listed pollutant and/or stressor. In all the data collections for the development of the Lake Walcott TMDL, the contribution of bedload is ignored, because of the difficulty of measuring it, but more importantly because the dams and reservoirs should effectively interrupt transport of this component of sediment in the river. Refer to Table 48 on page 148 of the TMDL for TSS load allocation for Rock Creek.

ID17040209SK010_03	East Fork Rock Creek - source to mouth	9.25	MILES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

4/9/2012 (S. Woodhead) - Sediment/siltation replaced with TSS. Refer to the Lake Walcott TMDL, approved by EPA June 27, 2000. According to the TMDL total suspended solids will be the focus because it is the dominant §303(d) listed pollutant and/or stressor. In all the data collections for the development of the Lake Walcott TMDL, the contribution of bedload is ignored, because of the difficulty of measuring it, but more importantly because the dams and reservoirs should effectively interrupt transport of this component of sediment in the river. Refer to Table 48 on page 148 of the TMDL for TSS load allocation for Rock Creek.

Total Suspended Solids (TSS)

TMDL approved or established by EPA (4A)

4/9/2012 (S. Woodhead) - Sediment/siltation replaced with TSS. Refer to the Lake Walcott TMDL, approved by EPA June 27, 2000. According to the TMDL total suspended solids will be the focus because it is the dominant §303(d) listed pollutant and/or stressor. In all the data collections for the development of the Lake Walcott TMDL, the contribution of bedload is ignored, because of the difficulty of measuring it, but more importantly because the dams and reservoirs should effectively interrupt transport of this component of sediment in the river. Refer to Table 48 on page 148 of the TMDL for TSS load allocation for Rock Creek.

17040210

Raft

ID17040210SK001_05	Raft River - Heglar Canyon Creek to mouth	12.42	MILES
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Fecal Coliform

Applicable WQS attained; due to change in WQS

7/17/2012 (KS) - EPA's 1986 recommended bacteria criterion reflected levels that protect swimmers from exposure to water that contained organisms indicating the presence of fecal contamination. Epidemiological studies showed a better association between E. coli and gastrointestinal illnesses (GI) than between fecal coliform and GI illnesses. Idaho's water quality standards no longer use fecal coliform and all current data should reflect the new standard using E. coli. However, when EPA approved the Raft River Subbasin Assessment and TMDL (July 27, 2004), fecal coliform was not delisted and replaced with E. coli. Therefore, fecal coliform is being delisted and E. coli is being added to Category 4a.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17040210SK002_02	Raft River - Cassia Creek to Heglar Canyon Creek	167.11	MILES
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Fecal Coliform

Applicable WQS attained; due to change in WQS

7/17/2012 (KS) - EPA's 1986 recommended bacteria criterion reflected levels that protect swimmers from exposure to water that contained organisms indicating the presence of fecal contamination. Epidemiological studies showed a better association between E. coli and gastrointestinal illnesses (GI) than between fecal coliform and GI illnesses. Idaho's water quality standards no longer use fecal coliform and all current data should reflect the new standard using E. coli. However, when EPA approved the Raft River Subbasin Assessment and TMDL (July 27, 2004), fecal coliform was not delisted and replaced with E. coli. Therefore, fecal coliform is being delisted and E. coli is being added to Category 4a.

ID17040210SK002_05	Raft River - Cassia Creek to Heglar Canyon Creek	21.41	MILES
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Fecal Coliform

Applicable WQS attained; due to change in WQS

7/17/2012 (KS) - EPA's 1986 recommended bacteria criterion reflected levels that protect swimmers from exposure to water that contained organisms indicating the presence of fecal contamination. Epidemiological studies showed a better association between E. coli and gastrointestinal illnesses (GI) than between fecal coliform and GI illnesses. Idaho's water quality standards no longer use fecal coliform and all current data should reflect the new standard using E. coli. However, when EPA approved the Raft River Subbasin Assessment and TMDL (July 27, 2004), fecal coliform was not delisted and replaced with E. coli. Therefore, fecal coliform is being delisted and E. coli is being added to Category 4a.

ID17040210SK005_04	Cassia Creek - Clyde Creek to Conner Creek	4.51	MILES
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Fecal Coliform

Applicable WQS attained; due to change in WQS

5/8/12 (J Tollefson) - E. coli criteria values were developed to be as protective as the fecal coliform criteria and were directly calculated by translating fecal coliform criteria using ratios of observed water quality data from EPA epidemiological studies. Recent E. coli data show a geometric mean of 389 cfu/100 mL which is greater than the 126 cfu/100 mL criterion value, therefore the recreational use of this water body is considered impaired by bacteria. E. coli will be added as a cause of impairment for this AU.

Temperature, water

TMDL approved or established by EPA (4A)

5/10/12 (J Tollefson) - The Raft River Subbasin Temperature TMDL Addendum was reviewed and approved by EPA on April 17, 2012. In order to bring Cassia Creek back to its target load of 1,800,000 kWh/day, the existing load of 2,000,000 kWh/day will need to be reduced by 270,000 kWh/day (14%) to successfully restore this water to WQS. For additional information refer to Table 4 on page 11 and Section 5.4, Table 5 on page 15 of the TMDL.

ID17040210SK007_02	Cassia Creek - source to Clyde Creek	38.5	MILES
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Fecal Coliform

Applicable WQS attained; due to change in WQS

7/17/2012 (KS) - EPA's 1986 recommended bacteria criterion reflected levels that protect swimmers from exposure to water that contained organisms indicating the presence of fecal contamination. Epidemiological studies showed a better association between E. coli and gastrointestinal illnesses (GI) than between fecal coliform and GI illnesses. Idaho's water quality standards no longer use fecal coliform and all current data should reflect the new standard using E. coli. However, when EPA approved the Raft River Subbasin Assessment and TMDL (July 27, 2004), fecal coliform was not delisted and replaced with E. coli. Therefore, fecal coliform is being delisted and E. coli is being added to Category 4a.

ID17040210SK007_05	Cassia Creek - source to Clyde Creek	4.82	MILES
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Fecal Coliform

Applicable WQS attained; due to change in WQS

5/8/2012 (J.Tollefson) - E. coli criteria values were developed to be as protective as the fecal coliform criteria and were directly calculated by translating fecal coliform criteria using ratios of observed water quality data from EPA epidemiological studies. Recent E. coli data show a geometric mean of 389 col/100 ml which is greater than the 126 col/100 ml criterion value, therefore the recreational use of this water is considered impaired by bacteria. The load allocations for E. coli can be found on p. 150 of the EPA approved Raft River Subbasin TMDL, approved July 27, 2004.

ID17040210SK008_04	Raft River - Cottonwood Creek to Cassia Creek	22.93	MILES
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Fecal Coliform

Applicable WQS attained; due to change in WQS

7/17/2012 (KS) - EPA's 1986 recommended bacteria criterion reflected levels that protect swimmers from exposure to water that contained organisms indicating the presence of fecal contamination. Epidemiological studies showed a better association between E. coli and gastrointestinal illnesses (GI) than between fecal coliform and GI illnesses. Idaho's water quality standards no longer use fecal coliform and all current data should reflect the new standard using E. coli. However, when EPA approved the Raft River Subbasin Assessment and TMDL (July 27, 2004), fecal coliform was not delisted and replaced with E. coli. Therefore, fecal coliform is being delisted and E. coli is being added to Category 4a.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17040210SK010_04	Raft River	19.11	MILES
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Escherichia coli

Applicable WQS attained; due to restoration activities

5/15/2012 (NED) - Monitoring was done in August 2011 and a geometric mean of 123 col/100 mL was derived. This is below the compliance level of a geometric mean of 126 col/100ml that is set in the Raft River Subbasin Assessment and TMDL (2004). Page 154 of the TMDL states that because the major exceedances occur primarily during the grazing season (April through September), monitoring will occur primarily during this time. Changes have occurred in the watershed since the completion of the TMDL and include fencing off of riparian areas and water gap BMP implementation. This AU is fully supporting for primary contact recreation due to restoration activities.

ID17040210SK013_04	Raft River - Idaho/Utah border to Edwards Creek	8.99	MILES
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Fecal Coliform

Applicable WQS attained; due to change in WQS

7/17/2012 (KS) - EPA's 1986 recommended bacteria criterion reflected levels that protect swimmers from exposure to water that contained organisms indicating the presence of fecal contamination. Epidemiological studies showed a better association between E. coli and gastrointestinal illnesses (GI) than between fecal coliform and GI illnesses. Idaho's water quality standards no longer use fecal coliform and all current data should reflect the new standard using E. coli. However, when EPA approved the Raft River Subbasin Assessment and TMDL (July 27, 2004), fecal coliform was not delisted and replaced with E. coli. Therefore, fecal coliform is being delisted and E. coli is being added to Category 4a.

17040211 Goose

ID17040211SK006_02	Beaverdam Creek - source to mouth	55.91	MILES
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Fecal Coliform

Applicable WQS attained; due to change in WQS

7/17/2012 (KS) - EPA's 1986 recommended bacteria criterion reflected levels that protect swimmers from exposure to water that contained organisms indicating the presence of fecal contamination. Epidemiological studies showed a better association between E. coli and gastrointestinal illnesses (GI) than between fecal coliform and GI illnesses. Idaho's water quality standards no longer use fecal coliform and all current data should reflect the new standard using E. coli. However, when EPA approved the Goose Creek Subbasin Assessment and TMDL (July 25, 2004), fecal coliform was not delisted and replaced with E. coli. Therefore, fecal coliform is being delisted and E. coli is being added to Category 4a.

Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

5/10/12 (J. Tollefson) - A TSS target of 50 mg/L was established for this segment in the Goose Creek Subbasin Assessment and TMDL, approved July 25, 2004. Therefore, sediment has been delisted and replaced with TSS. "The load capacity for sediment was determined based on the origin of the sediment. In instances where a numeric water column target is defined, the load capacity is based on the instream load that would be present when the target is met" (p. 190). The load allocations can be found in Table 34 on p. 201-202 of the Goose Creek Subbasin Assessment and TMDL.

Total Suspended Solids (TSS)

TMDL approved or established by EPA (4A)

5/10/12 (J. Tollefson) - A TSS target of 50 mg/L was established for this segment in the Goose Creek Subbasin Assessment and TMDL, approved July 25, 2004. "The load capacity for sediment was determined based on the origin of the sediment. In instances where a numeric water column target is defined, the load capacity is based on the instream load that would be present when the target is met" (p. 190). The load allocations can be found in Table 34 on p. 201 of the Goose Creek Subbasin Assessment and TMDL.

ID17040211SK006_03	Beaverdam Creek - source to mouth	6.31	MILES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

5/10/12 (J. Tollefson) - A TSS target of 50 mg/L was established for this segment in the Goose Creek Subbasin Assessment and TMDL, approved July 25, 2004. Therefore, sediment has been delisted and replaced with TSS. "The load capacity for sediment was determined based on the origin of the sediment. In instances where a numeric water column target is defined, the load capacity is based on the instream load that would be present when the target is met" (p. 190). The load allocations can be found in Table 33 on p. 201-202 of the Goose Creek Subbasin Assessment and TMDL.

ID17040211SK007_02	Trout Creek - source to Idaho/Nevada border	19.97	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

5/10/12 (J. Tollefson) - The Goose Creek Subbasin Temperature TMDL Addendum was reviewed and approved by EPA on April 25, 2012. In order to bring Trout Creek tributaries back to their target load of 38,000 kWh/day, the existing load of 67,000 kWh/day will need to be reduced by 29,000 kWh/day (76%) to successfully restore this water to WQS. For additional information refer to Table 8 on page 13 and Section 5.4, Table 11 on page of 23 of the TMDL.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17040211SK007_03	Trout Creek - source to Idaho/Nevada border	1.97	MILES
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Combined Biota/Habitat Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

4/24/2012 (JT) - A TMDL for temperature was written and approved for Trout Creek (Goose Creek Subbasin Assessment and Temperature Addendum, EPA Approved, 4/17/12). During the development of the subbasin assessment it was determined that temperature was causing the biological impairment. Therefore, combined biota/habitat bioassessments has been delisted and replaced with temperature.

Temperature, water

TMDL approved or established by EPA (4A)

5/10/12 (J Tollefson) - The Goose Creek Subbasin Temperature TMDL Addendum was reviewed and approved by EPA on April 25, 2012. In order to bring Trout Creek back to its target load of 110,000 kWh/day, the existing load of 210,000 kWh/day will need to be reduced by 100,000 kWh/day (48%) to successfully restore this water to WQS. For additional information refer to Table 7 on page 12 and Section 5.4, Table 11 on page of 23 of the TMDL.

ID17040211SK008_02	Goose Creek - source to Idaho/Utah border	63.14	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

5/10/12 (J Tollefson) - The Goose Creek Subbasin Temperature TMDL Addendum was reviewed and approved by EPA on April 25, 2012. In order to bring Goose Creek tributaries back to their target load of 160,000 kWh/day, the existing load of 210,000 kWh/day will need to be reduced by 42,000 kWh/day (20%) to successfully restore this water to WQS. For additional information refer to Table 10 on pages 15-19 and Section 5.4, Table 11 on page of 23 of the TMDL.

ID17040211SK009_03	Birch Creek - Idaho/Utah border to mouth	2.28	MILES
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Fecal Coliform

Applicable WQS attained; due to change in WQS

7/17/2012 (KS) - EPA's 1986 recommended bacteria criterion reflected levels that protect swimmers from exposure to water that contained organisms indicating the presence of fecal contamination. Epidemiological studies showed a better association between E. coli and gastrointestinal illnesses (GI) than between fecal coliform and GI illnesses. Idaho's water quality standards no longer use fecal coliform and all current data should reflect the new standard using E. coli. However, when EPA approved the Goose Creek Subbasin Assessment and TMDL (July 25, 2004), fecal coliform was not delisted and replaced with E. coli. Therefore, fecal coliform is being delisted and E. coli is being added to Category 4a.

ID17040211SK012_02	Unnamed tributary to Birch Creek	66.9	MILES
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Fecal Coliform

Applicable WQS attained; due to change in WQS

7/17/2012 (KS) - EPA's 1986 recommended bacteria criterion reflected levels that protect swimmers from exposure to water that contained organisms indicating the presence of fecal contamination. Epidemiological studies showed a better association between E. coli and gastrointestinal illnesses (GI) than between fecal coliform and GI illnesses. Idaho's water quality standards no longer use fecal coliform and all current data should reflect the new standard using E. coli. However, when EPA approved the Goose Creek Subbasin Assessment and TMDL (July 25, 2004), fecal coliform was not delisted and replaced with E. coli. Therefore, fecal coliform is being delisted and E. coli is being added to Category 4a.

ID17040211SK012_03	Birch Creek - source to mouth	6.66	MILES
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Fecal Coliform

Applicable WQS attained; due to change in WQS

7/17/2012 (KS) - EPA's 1986 recommended bacteria criterion reflected levels that protect swimmers from exposure to water that contained organisms indicating the presence of fecal contamination. Epidemiological studies showed a better association between E. coli and gastrointestinal illnesses (GI) than between fecal coliform and GI illnesses. Idaho's water quality standards no longer use fecal coliform and all current data should reflect the new standard using E. coli. However, when EPA approved the Goose Creek Subbasin Assessment and TMDL (July 25, 2004), fecal coliform was not delisted and replaced with E. coli. Therefore, fecal coliform is being delisted and E. coli is being added to Category 4a.

ID17040211SK012_04	Birch Creek - source to mouth	10.83	MILES
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Fecal Coliform

Applicable WQS attained; due to change in WQS

7/17/2012 (KS) - EPA's 1986 recommended bacteria criterion reflected levels that protect swimmers from exposure to water that contained organisms indicating the presence of fecal contamination. Epidemiological studies showed a better association between E. coli and gastrointestinal illnesses (GI) than between fecal coliform and GI illnesses. Idaho's water quality standards no longer use fecal coliform and all current data should reflect the new standard using E. coli. However, when EPA approved the Goose Creek Subbasin Assessment and TMDL (July 25, 2004), fecal coliform was not delisted and replaced with E. coli. Therefore, fecal coliform is being delisted and E. coli is being added to Category 4a.

17040212 Upper Snake-Rock

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17040212SK000_02	1st and 2nd order tribs to Yahoo and Deep Creek	392.29	MILES
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Cause Unknown

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

5/15/2012 (NED) - During the development of the Upper Snake Rock Subbasin Assessment and TMDL, approved August 25, 2000, phosphorus (total) was determined to be the limiting nutrient. Therefore, cause unknown has been delisted and replaced with TP. The load capacity for TP is based upon target concentrations of 0.100 mg/L for all tributaries to the Middle Snake River. Refer to page A-9 of the TMDL for the daily TP load values.

Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to page 167 of the Upper Snake Rock Subbasin Assessment and TMDL Modification, approved September 14, 2005, for load allocations.

Total Suspended Solids (TSS)

TMDL approved or established by EPA (4A)

4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to page 167 of the Upper Snake Rock Subbasin Assessment and TMDL Modification, approved September 14, 2005, for load allocations.

ID17040212SK001_07	Snake River - Lower Salmon Falls to Clover Creek	26.65	MILES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to the Upper Snake Rock Subbasin Assessment and TMDL (Modification), approved September 14, 2005, for load allocations (p. 35).

ID17040212SK005_02	Snake River tribs containing Riley Creek and Sand Springs	17.37	MILES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to page 167 of the Upper Snake Rock Subbasin Assessment and TMDL Modification, approved September 14, 2005, for load allocations.

Total Suspended Solids (TSS)

TMDL approved or established by EPA (4A)

4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to page 167 of the Upper Snake Rock Subbasin Assessment and TMDL Modification, approved September 14, 2005, for load allocations.

ID17040212SK005_07	Snake River - Box Canyon Creek to Lower Salmon Falls	16.51	MILES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to the Upper Snake Rock Subbasin Assessment and TMDL (Modification), approved September 14, 2005, for load allocations (p. 35).

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17040212SK007_02	2nd order segments of Briggs Creeks and Cedar Draw	15.69	MILES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to the Upper Snake Rock Subbasin Assessment and TMDL (Modification), approved September 14, 2005, for load allocations.

ID17040212SK007_07	Snake River - Rock Creek to Box Canyon Creek	18.29	MILES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to the Upper Snake Rock Subbasin Assessment and TMDL (Modification), approved September 14, 2005, for load allocations.

ID17040212SK008_02	Deep Creek - High Line Canal to mouth	15.81	MILES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to the Upper Snake Rock Subbasin Assessment and TMDL (Modification), approved September 14, 2005, for load allocations.

ID17040212SK008_03	Deep Creek - High Line Canal to Snake River (3rd order)	9.74	MILES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to the Upper Snake Rock Subbasin Assessment and TMDL (Modification), approved September 14, 2005, for load allocations.

ID17040212SK010_02	Mud Creek and Clear Creek	7.39	MILES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

3/20/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to the Upper Snake Rock Subbasin Assessment and TMDL (Modification), approved September 14, 2005, for load allocations.

ID17040212SK010_03	Mud Creek - Deep Creek Road (T09S, R14E) to mouth	1.07	MILES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to the Upper Snake Rock Subbasin Assessment and TMDL (Modification), approved September 14, 2005, for load allocations.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17040212SK011_02	Mud Creek - source to Deep Creek Road (T09S, R14E)	5.4	MILES
Sedimentation/Siltation	Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)		
4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to the Upper Snake Rock Subbasin Assessment and TMDL (Modification), approved September 14, 2005, for load allocations.			
ID17040212SK012_02	Cedar Draw - source to mouth	17.99	MILES
Sedimentation/Siltation	Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)		
4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to the Upper Snake Rock Subbasin Assessment and TMDL (Modification), approved September 14, 2005, for load allocations.			
ID17040212SK012_03	Cedar Draw - source to mouth	2.93	MILES
Sedimentation/Siltation	Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)		
4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to the Upper Snake Rock Subbasin Assessment and TMDL (Modification), approved September 14, 2005, for load allocations.			
ID17040212SK013_04	Rock Creek -river mile 25 (T11S, R18E, Sec. 36) to mouth	4.63	MILES
Sedimentation/Siltation	Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)		
4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to the Upper Snake Rock Subbasin Assessment and TMDL (Modification), approved September 14, 2005, for load allocations.			
ID17040212SK013_05	Rock Creek -river mile 25 (T11S, R18E, Sec. 36) to mouth	20.21	MILES
Sedimentation/Siltation	Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)		
4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to the Upper Snake Rock Subbasin Assessment and TMDL (Modification), approved September 14, 2005, for load allocations.			
ID17040212SK014_04	Cottonwood Creek - 4th order segment	6.25	MILES
Sedimentation/Siltation	Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)		
4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to the Upper Snake Rock Subbasin Assessment and TMDL (Modification), approved September 14, 2005, for load allocations.			

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17040212SK015_02	McMullen Creek - source to mouth	49.99	MILES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to the Upper Snake Rock Subbasin Assessment and TMDL (Modification), approved September 14, 2005, for load allocations.

ID17040212SK015_03	McMullen Creek - source to mouth	9.4	MILES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to the Upper Snake Rock Subbasin Assessment and TMDL (Modification), approved September 14, 2005, for load allocations.

ID17040212SK016_04	Rock Creek	8.3	MILES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to the Upper Snake Rock Subbasin Assessment and TMDL (Modification), approved September 14, 2005, for load allocations.

ID17040212SK019_07	Snake River - Twin Falls to Rock Creek	11.88	MILES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to the Upper Snake Rock Subbasin Assessment and TMDL (Modification), approved September 14, 2005, for load allocations.

ID17040212SK020_07	Snake River - Milner Dam to Twin Falls	21.3	MILES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to the Upper Snake Rock Subbasin Assessment and TMDL (Modification), approved September 14, 2005, for load allocations.

ID17040212SK022_03	Dry Creek - source to mouth	9.85	MILES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to the Upper Snake Rock Subbasin Assessment and TMDL (Modification), approved September 14, 2005, for load allocations.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17040212SK023_02	West Fork Dry Creek - source to mouth	10.71	MILES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to the Upper Snake Rock Subbasin Assessment and TMDL (Modification), approved September 14, 2005, for load allocations.

ID17040212SK028_02	Clear Lakes	22.52	ACRES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to the Upper Snake Rock Subbasin Assessment and TMDL (Modification), approved September 14, 2005, for load allocations.

ID17040212SK031_02	Sand Springs	4.61	MILES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to the Upper Snake Rock Subbasin Assessment and TMDL (Modification), approved September 14, 2005, for load allocations.

ID17040212SK033_02	Billingsley Creek - source to mouth	8.13	MILES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to the Upper Snake Rock Subbasin Assessment and TMDL (Modification), approved September 14, 2005, for load allocations.

ID17040212SK034_04	Clover Creek - Pioneer Reservoir Dam outlet to Snake River	10.09	MILES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to the Upper Snake Rock Subbasin Assessment and TMDL (Modification), approved September 14, 2005, for load allocations.

ID17040212SK035_04	Pioneer Reservoir	228.92	ACRES
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Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to the Upper Snake Rock Subbasin Assessment and TMDL (Modification), approved September 14, 2005, for load allocations.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17040212SK036_02	Clover Creek - source to Pioneer Reservoir	55.65	MILES
Sedimentation/Siltation	Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)		
4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to the Upper Snake Rock Subbasin Assessment and TMDL (Modification), approved September 14, 2005, for load allocations.			
Total Suspended Solids (TSS)	TMDL approved or established by EPA (4A)		
4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to the Upper Snake Rock Subbasin Assessment and TMDL (Modification), approved September 14, 2005, for load allocations.			
ID17040212SK036_04	Clover Creek - source to Pioneer Reservoir	26.03	MILES
Cause Unknown	Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)		
4/30/2012 (NED) - During the development of the Upper Snake Rock TMDL, approved August 8, 2000, modified September 14, 2005, phosphorus (total) was identified as the limiting nutrient in Clover Creek. Cause unknown was a place holder until the specific nutrient could be identified. Therefore, cause unknown has been delisted and replaced with phosphorus (total). Refer to Table 6-B on page 88-89 in the modified TMDL for TP load allocations.			
Combined Biota/Habitat Bioassessments	Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)		
4/27/2012 (S. Woodhead) - During the development of the Upper Snake Rock Subbasin Assessment and TMDL, approved August 8, 2000 and modified September 14, 2005, TSS and TP were determined to be the cause of the biological impairment. Therefore, combined biota/habitat bioassessments has been delisted and replaced with TSS and TP. Refer to Table 6-B (Clover Creek - Segment 6 - Middle Snake River) on page 88-89 of the modified TMDL for TP and TSS load allocations.			
Fishes Bioassessments	Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)		
4/27/2012 (S. Woodhead) - During the development of the Upper Snake Rock Subbasin Assessment and TMDL, approved August 8, 2000 and modified September 14, 2005, TSS and TP were determined to be the cause of the biological impairment. Therefore, Fishes Bioassessments has been delisted and replaced with TSS and TP. Refer to Table 6-B (Clover Creek - Segment 6 - Middle Snake River) on page 88-89 of the modified TMDL for TP and TSS load allocations.			
Habitat Assessment (Streams)	Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)		
4/27/2012 (S. Woodhead) - During the development of the Upper Snake Rock Subbasin Assessment and TMDL, approved August 8, 2000 and modified September 14, 2005, TSS and TP were determined to be the cause of the biological impairment. Therefore, Habitat Assessment (Stream) has been delisted and replaced with TSS and TP. Refer to Table 6-B (Clover Creek - Segment 6 - Middle Snake River) on page 88-89 of the modified TMDL for TP and TSS load allocations.			
Phosphorus (Total)	TMDL approved or established by EPA (4A)		
4/30/2012 (NED) - The Upper Snake Rock Subbasin Assessment and TMDL was approved August 8, 2000. This document was modified and approved September 14, 2005 due to the final development of the aquaculture wasteload allocation for 81 fish hatcheries, four fish processors, and 12 Billingsley Creek fish farms. Refer to Table 6-B on page 88 of the modified TMDL for TP load allocations.			
Sedimentation/Siltation	Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)		
4/7/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to page 167 of the Upper Snake Rock Subbasin Assessment (approved by EPA 2005).			
Total Suspended Solids (TSS)	TMDL approved or established by EPA (4A)		
4/27/2012 (S. Woodhead) - Sediment/siltation delisted and replaced by TSS. "Substrate sediment targets are inappropriate in the Middle Snake River or its tributaries because fine bedload materials (sands, small gravel, silt, and clay fractions) are derived from largely the same sources as the measured suspended sediment materials. Using TSS is a sufficient "surrogate" for the total sediment load because its true substrate sediment comprises a smaller percentage when compared to TSS." Refer to page 167 of the Upper Snake Rock Subbasin Assessment (approved by EPA 2005).			

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

17040213

Salmon Falls

ID17040213SK007_02	Whiskey Slough, Salmon Falls Creek Reservoir tributaries	37.05	MILES
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Phosphorus (Total)

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

5/14/12 - (J. Tollefson) - Assessment unit ID17040213SK007_02 was listed in error in the Salmon Falls Creek Subbasin Assessment and Total Maximum Daily Loads (2008, p. xxviii) for temperature, sediment, and nutrients. The correct assessment unit associated with this TMDL should be ID17040213SK008_02. The assessment unit ID17040213SK007_02 has not been assessed and will be moved back into Category 3 for the 2012 Integrated Report.

Sedimentation/Siltation

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

5/14/12 - (J. Tollefson) - Assessment unit ID17040213SK007_02 was listed in error in the Salmon Falls Creek Subbasin Assessment and Total Maximum Daily Loads (2008, p. xxviii) for temperature, sediment, and nutrients. The correct assessment unit associated with this TMDL should be ID17040213SK008_02. The assessment unit ID17040213SK007_02 has not been assessed and will be moved back into Category 3 for the 2012 Integrated Report.

Temperature, water

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

5/14/12 - (J. Tollefson) - Assessment unit ID17040213SK007_02 was listed in error in the Salmon Falls Creek Subbasin Assessment and Total Maximum Daily Loads (2008, p. xxviii) for temperature, sediment, and nutrients. The correct assessment unit associated with this TMDL should be ID17040213SK008_02. The assessment unit ID17040213SK007_02 has not been assessed and will be moved back into Category 3 for the 2012 Integrated Report.

ID17040213SK008_02	China, Browns, Corral, Player Creeks	47.59	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

12/22/2011 (NED) - The Salmon Falls Creek Subbasin Assessment and TMDL was reviewed and approved by EPA on February 27, 2008. This segment was listed in Category 5 for not supporting CWAL due to temperature. In order to bring this segment back to its target load level of 47,589 kWh/day, the existing load of 90,363 kWh/day will need to be reduced by 42,775 kWh/day (or 47% reduction) to successfully restore this water to achieving WQS. For additional information refer to Figures 29-31 on pages 84-86, page 243, 258 and Table 53 on page 267 of the TMDL.

ID17040213SK008_03	China Creek	3.21	MILES
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Combined Biota/Habitat Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

12/22/2011 (NED) - Temperature was identified as causing the biological impairment to salmonid spawning. Therefore, combined biota/habitat bioassessments was delisted and replaced with temperature. A temperature TMDL (Salmon Falls Creek Subbasin Assessment and TMDL) for the 3rd order segments of China Creek located above the Salmon Falls Creek Reservoir was approved February 27, 2008. In order to bring this segment back to its target load level of 47,589 kWh/day, the existing load of 90,363 kWh/day will need to be reduced by 42,775 kWh/day (or 47% reduction) to successfully restore this water to achieving WQS. For additional information refer to Figures 29-31 on pages 84-86, page 243, 258 and Table 53 on page 267 of the TMDL.

17040218

Big Lost

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17040218SK002_06	Big Lost River-Spring Creek to Big Lost River Sinks (playas)	72.22	MILES
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Cause Unknown

Applicable QWS attained; original basis for listing was incorrect

06/28/2012 (DDS) - Listed in Category 5 in error due to a 1995 BURP site that was not a target site for BURP protocols or DEQ assessment methods since it is a 6th-order stream, water is only intermittently present due to diversions, and when water is present, it is not a wadeable stream. Extensive hydrologic data and analyses for delisting this AU from Category 5 and listing it in 4C were provided on page 61 and pages 79 through 87 of the "Big Lost River Watershed Subbasin Assessment and TMDL" approved by EPA in 2004 and on pages 10 and 11 of the "Big Lost River Subbasin Total Maximum Daily Load Addendum and Five Year Review" approved by EPA in 2011.

Sedimentation/Siltation

Applicable QWS attained; original basis for listing was incorrect

06/28/2012 (DDS) - Listed in Category 5 in error due to a 1995 BURP site that was not a target site for BURP protocols or DEQ assessment methods since it is a 6th-order stream, water is only intermittently present due to diversions, and when water is present, it is not a wadeable stream. Extensive hydrologic data and analyses for delisting this AU from Category 5 and listing it in 4C were provided on page 61 and pages 79 through 87 of the "Big Lost River Watershed Subbasin Assessment and TMDL" approved by EPA in 2004 and on pages 10 and 11 of the "Big Lost River Subbasin Total Maximum Daily Load Addendum and Five Year Review" approved by EPA in 2011.

Temperature, water

Applicable QWS attained; original basis for listing was incorrect

06/28/2012 (DDS) - Listed in Category 5 in error due to a 1995 BURP site that was not a target site for BURP protocols or DEQ assessment methods since it is a 6th-order stream, water is only intermittently present due to diversions, and when water is present, it is not a wadeable stream. Extensive hydrologic data and analyses for delisting this AU from Category 5 and listing it in 4C were provided on page 61 and pages 79 through 87 of the "Big Lost River Watershed Subbasin Assessment and TMDL" approved by EPA in 2004 and on pages 10 and 11 of the "Big Lost River Subbasin Total Maximum Daily Load Addendum and Five Year Review" approved by EPA in 2011.

ID17040218SK009_02	Pass Creek - source to mouth	50.16	MILES
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Combined Biota/Habitat Bioassessments

Applicable QWS attained; according to new assessment method

06/25/2012 (DDS) - DEQ investigated some eroding streambanks but found that the total current sediment load did not exceed the sediment load capacity, as shown on page 174 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011. The macroinvertebrate data were consistent with natural background conditions for sediment and temperature tolerance for first- and second-order streams in this subbasin. List in Category 2.

ID17040218SK013_05	Big Lost River - Jones Creek to McKay Reservoir	4.14	MILES
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Cause Unknown

Applicable QWS attained; according to new assessment method

06/25/2012 (DDS) During the development of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011, DEQ determined that no nuisance algal growth or elevated in-stream nutrient content occurred. No confined animal feeding operations or other point sources exist in this AU that could be a nutrient source or pathway.

Sedimentation/Siltation

TMDL approved or established by EPA (4A)

6/21/2012 (DDS and NED) - The Big Lost River Subbasin Assessment and TMDL was reviewed and approved by EPA on December 14, 2011. Sediment load capacities necessary to meet the narrative criterion for sediment and to fully support beneficial uses are determined by streambank erosion rates. Although the load capacity is calculated in the Big Lost River TMDL in terms of the surrogate sediment target of 80% streambank stability, the proportion of subsurface fine sediment is another indicator of meeting the sediment load capacity. Appendix F provides literature references for the subsurface fine sediment target of 28% for supporting salmonid spawning. DEQ measured 35% fine sediment in the river substrate in the lower Big Lost River AU (ID17040218SK013_05).

A 97% reduction (200 tons per year) of the current loading (206 tons per year) is needed to meet its load capacity of 6 tons per year. For sediment load allocations, refer to Section 5.1.4, Table 10 on page 25 of the TMDL.

ID17040218SK015_05	Big Lost River - Thousand Springs Creek to Jones Creek	4.77	MILES
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Cause Unknown

Applicable QWS attained; according to new assessment method

06/25/2012 (DDS) During the development of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011, DEQ determined that no nuisance algal growth or elevated in-stream nutrient content occurred. No confined animal feeding operations or other point sources exist in this AU that could be a nutrient source or pathway.

Sedimentation/Siltation

TMDL approved or established by EPA (4A)

6/21/2012 (NED) - The Big Lost River Subbasin Assessment and TMDL was reviewed and approved by EPA on December 14, 2011. Sediment load capacities necessary to meet the narrative criterion for sediment and to fully support beneficial uses are determined by streambank erosion rates. The load capacity is calculated in the Big Lost River TMDL in terms of the surrogate sediment target of 80% streambank stability. A 97% reduction (200 tons per year) to the current loading (206 tons per year) is needed to meet the load capacity of 6 tons per year. For sediment load allocations, refer to Section 5.1.4, Table 10 on page 25 of the TMDL.

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17040218SK016_02	Thousand Springs Creek - source to mouth	20.15	MILES
Temperature, water		TMDL approved or established by EPA (4A)	
6/21/2012 (NED) - The Big Lost River Subbasin Assessment and TMDL was reviewed and approved by EPA on December 14, 2011. The temperature targets were established by utilizing a PNV approach. The load capacity for a stream under PNV conditions is essentially the solar load allowed under the shade targets specified for the reaches within that stream. In order to bring Thousand Spring Creek tributaries back to their target load level of 239,972 kWh/day, the existing load of 240,194 kWh/day will need to be reduced by 223 kWh/day--which equals less than <1 % load reduction--to successfully restore this water to achieving WQS. For additional information refer to Section 5.3.3, Table 24 on page 51, Figures 20-22 on pages 67-69 and Section 5.3.4, Table 28 on page 75 of the TMDL.			
ID17040218SK020_03	Willow Creek - source to mouth	4.05	MILES
Combined Biota/Habitat Bioassessments		Applicable WQS attained; according to new assessment method	
06/28/2012 (DDS) - Willow Creek is completely diverted a mile below its source and flows through a system of ditches. BURP monitoring occurred during 1998, a 20th percentile high water year. Even during peak flow, runoff infiltrates loose alluvium before a confluence is made with Thousand Springs Creek. The macroinvertebrate data--with high population but low taxa richness--indicate resistance to spates and drying. Data are consistent with natural background conditions for first- and second-order streams in this subbasin, which are not target locations for BURP monitoring or DEQ assessment methods. 2009 DEQ monitoring determined that there is insufficient flow to establish bankfull width or support riparian vegetation.			
ID17040218SK022_02	Sage Creek - source to mouth	35.62	MILES
Escherichia coli		TMDL approved or established by EPA (4A)	
6/21/2012 (NED) - The Big Lost River Subbasin Assessment and TMDL was reviewed and approved by EPA on December 14, 2011. In order to support the beneficial use of secondary contact recreation, an 86 % reduction of the existing load (720 col/100 mL) is needed to achieve the 126 col/100 mL criterion value. For additional information refer to Section 5.2, page 31 and Tables 15 and 16 on page 33 of the TMDL.			
Fecal Coliform		Applicable WQS attained; due to change in WQS	
6/21/2012 (NED) - E. coli criteria values were developed to be as protective as the fecal coliform criteria and were directly calculated by translating fecal coliform criteria using ratios of observed water quality data from EPA epidemiological studies. Recent E. coli data show a geomean of 720 col/100 mL which is greater than the 126 col/100 mL criterion value, therefore the recreational use of this water body is considered impaired by bacteria. E. coli has replaced the fecal coliform listing and moved to Category 4a for having an EPA approved TMDL. Refer to the Big Lost River Subbasin Assessment and TMDL, approved December 14, 2011, for additional information.			
ID17040218SK024_02	Big Lost River - Burnt Creek to Thousand Springs Creek	98.65	MILES
Combined Biota/Habitat Bioassessments		Applicable WQS attained; according to new assessment method	
6/28/2012 (DDS) - Consisting of first- and second-order tributaries to upper Big Lost River, this AU was listed based on low BURP scores on Pinto Creek and Rock Creek. BURP monitoring occurred during 1998, a 20th percentile high water year. The "Big Lost River Watershed Subbasin Assessment and TMDL" approved by EPA in 2004 demonstrated that all of the streams in this assessment unit flow only in response to snowmelt--no more than one cfs--with flow duration no longer than four months of the year. Macroinvertebrate data showed sediment to be the stressor. DEQ investigated eroding streambanks in 2009 but found that the total current sediment load did not exceed the sediment load capacity, as shown on page 176 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011.			
ID17040218SK024_03	Big Lost River - Burnt Creek to Thousand Springs Creek	1.4	MILES
Combined Biota/Habitat Bioassessments		Applicable WQS attained; according to new assessment method	
6/28/2012 (DDS) - Consisting of first- and second-order tributaries to upper Big Lost River, this AU was listed based on low BURP scores on Grant Creek. BURP monitoring occurred during 1998, a 20th percentile high water year. The "Big Lost River Watershed Subbasin Assessment and TMDL" approved by EPA in 2004 demonstrated that all of the streams in this assessment unit flow only in response to snowmelt--no more than one cfs--with flow duration no longer than four months of the year. Macroinvertebrate data showed sediment to be the stressor. DEQ investigated eroding streambanks in 2009 but found that the total current sediment load did not exceed the sediment load capacity, as shown on page 176 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011.			
ID17040218SK024_05	Big Lost River - Burnt Creek to Thousand Springs Creek	21.44	MILES
Sedimentation/Siltation		TMDL approved or established by EPA (4A)	
6/21/2012 (NED) - The Big Lost River Subbasin Assessment and TMDL was reviewed and approved by EPA on December 14, 2011. Sediment load capacities necessary to meet the narrative criterion for sediment and to fully support beneficial uses are determined by streambank erosion rates. The load capacity is calculated in the Big Lost River TMDL in terms of the surrogate sediment target of 80% streambank stability. A 56% reduction (5 tons per year) to the current loading (9 tons per year) is needed to meet the load capacity of 4 tons per year. For sediment load allocations, refer to Section 5.1.4, Table 10 on page 25 of the TMDL.			

2012 Integrated Report: Assessment Unit-Cause Combinations Proposed for Delisting

ID17040218SK025_02	Big Lost River - Summit Creek to and including Burnt Creek	30.42	MILES
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Combined Biota/Habitat Bioassessments

Applicable QWS attained; according to new assessment method

6/28/2012 (DDS) - Consisting of first- and second-order tributaries to upper Big Lost River, this AU was listed based on low BURP scores on Garden Creek. BURP monitoring occurred during 1998, a 20th percentile high water year. The "Big Lost River Watershed Subbasin Assessment and TMDL" approved by EPA in 2004 demonstrated that all of the streams in this assessment unit flow only in response to snowmelt--no more than one cfs--with flow duration no longer than four months of the year. Macroinvertebrate data showed sediment to be the stressor. DEQ investigated eroding streambanks in 2009 but found that the total current sediment load did not exceed the sediment load capacity, as shown on page 179 of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011. These results are consistent with natural background conditions for first- and second-order streams in this subbasin.

ID17040218SK026_02	Bridge Creek - source to mouth	21.5	MILES
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Cause Unknown

Applicable QWS attained; according to new assessment method

06/28/2012 (DDS) During the development of the "Big Lost River Subbasin TMDL Addendum and Five Year Review" approved December 14, 2011, DEQ determined that no nuisance algal growth or elevated in-stream nutrient content occurred. No confined animal feeding operations or other point sources exist in this AU that could be a nutrient source or pathway.

ID17040218SK026_03	Bridge Creek - source to mouth	3.94	MILES
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Temperature, water

TMDL approved or established by EPA (4A)

6/21/2012 (NED) - The Big Lost River Subbasin Assessment and TMDL was reviewed and approved by EPA on December 14, 2011. The temperature targets were established by utilizing a PNV approach. The load capacity for a stream under PNV conditions is essentially the solar load allowed under the shade targets specified for the reaches within that stream. In order to bring the third order segment of Twin Bridge Creek back to its target load level of 105,931 kWh/day, the existing load of 165,183 kWh/day will need to be reduced by 59,252 kWh/day which equals a 36% load reduction. For additional information refer to Section 5.3.3, Table 26 on page 53 and Section 5.3.4 of the TMDL.

ID17040218SK030_04	Wildhorse Creek - Fall Creek to mouth	4.96	MILES
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Fecal Coliform

Applicable QWS attained; due to change in QWS

6/22/2012 (NED) - E. coli criteria values were developed to be as protective as the fecal coliform criteria and were directly calculated by translating fecal coliform criteria using ratios of observed water quality data from EPA epidemiological studies. Recent E. coli data show a geomean of 12.14 col/100 mL which is less than the 126 col/100 mL criterion value, therefore the recreational use of this water body is not considered impaired by bacteria.

17040221

Little Wood

ID17040221SK008_04	Fish Creek - source to Fish Creek Reservoir	1.37	MILES
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Fecal Coliform

Applicable QWS attained; due to change in QWS

6/6/2012 (NED) - Since Idaho's water quality standards no longer use fecal coliform and current E. coli data indicate an impairment, fecal coliform has been delisted and replaced with E. coli. E. coli criteria values were developed to be as protective as the fecal coliform criteria and were directly calculated by translating fecal coliform criteria using ratios of observed water quality data from EPA epidemiological studies.

During the development of the Little Wood River Subbasin Assessment and TMDL, approved September 30, 2005, a water sample of 602 col/mL was collected which exceeded the E. coli single sample maximum of 576 col/mL for secondary contact recreation. Normally, additional samples would have been collected within 30 days to determine a geometric mean; however, results were not obtained until after the 30-day period. Therefore, the instantaneous value for bacteria will be the critical value for this assessment. Therefore, 576 colonies of E. coli organisms will be the target for the bacteria TMDL on Fish Creek. However, the geometric mean value of 126 col/100mL will be the value used to determine compliance with the standards. For additional information refer to pages 77-86, 150-155 and Table 58 on page 154 of the Little Wood River Subbasin Assessment and TMDL.

ID17040221SK023_02	Silver Creek - source to mouth	71.42	MILES
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Combined Biota/Habitat Bioassessments

Data and/or information lacking to determine water quality status; original basis for listing was incorrect (Category 3)

6/5/2012 (NED) - During the development of the Little Wood River Subbasin Assessment and TMDL, approved September 30, 2005, temperature was determined to be causing the biological impairment. Therefore, combined biota/habit bioassessments has been delisted and replaced with temperature. In order to achieve the target load of 477,328.1 kWh/day, the existing load of 577,327.4 will need to be reduced 17.3%. For additional information refer to pages 145-148 of the TMDL.

Appendix M. Hem Creek temperature delisting justification.

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Hem Creek 2009 Field Investigations



**State of Idaho
Department of Environmental Quality
June 2012**



*Printed on recycled paper, DEQ June 2012,
PID 303D, CA code 82651. Costs associated with
this publication are available from the State of Idaho
Department of Environmental Quality in accordance
with Section 60-202, Idaho Code.*

Hem Creek 2009 Field Investigations

June 2012



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Acknowledgments

This report is the result of the collaborative efforts of Don Essig, Jason Fales, Jason Pappani, Mark Shumar, and Daniel Stewart.

Table of Contents

Acknowledgments.....	ii
1. Background.....	1
2. Purpose of September 2009 Field Visit.....	3
3. Methods.....	5
4. Findings.....	5
4.1 Integrity of Streamside Management Zone	5
4.2 2009 Water Temperature.....	7
4.3 General Observations	8
4.4 Hem Creek Existing and Potential Shade Summary.....	9
5. Shade Discussion	9
5.1 Biological Condition	10
6. Conclusions.....	10
7. References	11
Appendix A —Photo Log.....	12
Appendix B —Potential Natural Vegetation Shade Analysis	40
Appendix C —Summary of DEQ’s Biological Monitoring and Assessment Results for Hem Creek	44
Appendix D —Information on Strength of Cutthroat Population in Hem Creek.....	46

List of Figures

Figure 1. Monitoring locations in Hem Creek subbasin.	2
Figure 2. Hem Creek riparian assessment transects.....	4
Figure B-1. Existing shade analysis for Hem Creek.	40
Figure B-2. Target shade analysis for Hem Creek.....	41
Figure B-3. Lack-of-shade analysis for Hem Creek.	42

List of Tables

Table 1. Temperature logger locations in summer 2009.....	5
Table 2. Transect measurements.....	6
Table 3. Stream temperature summary, °C.	8
Table 4. Salmonid spawning criteria exceedance summary.....	8
Table 5. Summary of 2009 potential natural vegetation analysis of Hem Creek.	9
Table B-1. Solar load analysis for Hem Creek.	43
Table C-1. Hem Creek stream fish index.	44
Table C-2. Hem Creek stream macroinvertebrate index.....	44
Table C-3. Hem Creek stream habitat index.	45

List of Photos

Photo A-1. Cut 1 as viewed from Forest Service Road 5216 (foreground). Hem Creek crossing is just out of view at bottom of picture.	12
Photo A-2. View up Hem Creek from Forest Service Road 5216 showing campsite. Creek flows from middle to lower right corner.	13
Photo A-3. View of Hem Creek looking upstream from transect 1. The creek in this area has some floodplain. Temperature logger 4 was located near this area.	14
Photo A-4. View toward cut 1 from Hem Creek just above transect 1.	15
Photo A-5. Hem Creek between transects 1 and 2.	16
Photo A-6. View upslope toward cut 1 from transect 2.	17
Photo A-7. Natural gap in forest canopy (no stumps) on south bank between transects 2 and 3.	18
Photo A-8. View up Joy Creek from confluence with Hem Creek. Joy Creek is an unentered watershed, absent of roads. Temperature logger 3 was located in this area.	19
Photo A-9. Hem Creek view upstream above Joy Creek confluence. Temperature logger 2 was located in the area. No cutting units are located in area. Sun was shining through gap in forest formed by Joy Creek.	20
Photo A-10. View up to cut 3 taken at transect 3. One of two natural gaps encountered, approximately 30 yards wide. No stumps were present.	21
Photo A-11. View up north bank taken from transect 3 toward cut 1, which was not visible from stream.	22
Photo A-12. View of south bank of Hem Creek at transect 4, looking toward cut 4.	23
Photo A-13. Pool formed by log just above transect 4. Abundant large woody debris created structure and habitat in the channel.	24
Photo A-14. Bedrock stream channel between transects 4 and 5; cut 4 is to the left but was not visible from stream.	25
Photo A-15. View down Hem Creek at transect 5. Cut 4 is to the right. No floodplain is present.	26
Photo A-16. View of south bank at transect 5, looking toward cut 4.	27
Photo A-17. View toward cut 2 from mouth of small tributary between transects 5 and 6. Cut was not visible.	28
Photo A-18. View downstream at transect 6, cut 5 on right. No floodplain is present. Hill slopes plunge down into stream.	29
Photo A-19. View of cut 5 through natural gap near transect 6.	30
Photo A-20. View of north bank at transect 6, looking toward cut 2.	31
Photo A-21. View of south bank, looking toward cut 5 at transect 6.	32
Photo A-22. View upstream at transect 6.	33
Photo A-23. View down Hem Creek at transect 7. Stream has a small floodplain. Cut 2 is to the left, and cut 5 is to the right; neither are visible from stream.	34
Photo A-24. View downstream at transect 8. No cuts are nearby. Sunshine is due to stream aspect and time of day.	35
Photo A-25. View downstream at transect 9. Uppermost cut on south side of stream is off to the right but not visible from stream. Sunshine is due to stream aspect aligning with sun.	36
Photo A-26. View upstream at transect 9.	37
Photo A-27. View downstream from transect 10.	38

Photo A-28. View upstream at transect 10. Temperature monitoring location 1 (Hem Creek above cuts) was a short distance upstream. At this point, the channel gradient has slackened; valley has opened up a bit; and a floodplain is again present. All past timber harvest activity is downstream from this location.....39

1. Background

The Hem Creek field investigations were prompted by the United States Environmental Protection Agency's (EPA's) action in February 2009 to disapprove Idaho's removal of the Hem Creek assessment unit (AU) from Idaho's 2008 Clean Water Act Section 303(d) list as water-quality impaired for temperature (EPA 2009a). Attachment B to enclosure 3 of EPA's February 2009 action letter was a desktop shade analysis for Hem Creek. The Idaho Department of Environmental Quality (DEQ), in a prior informal review (December 2008), had found problems with some of the data used by EPA in their analysis. This field investigation report is DEQ's response to EPA's February 2009 action.

The Hem Creek AU (17060307CL007_02b) is part of water body unit C-7 (French Creek–source to mouth) in the upper North Fork Clearwater River subbasin (hydraulic unit code 17060307) in north central Idaho (Figure 1). The Hem Creek watershed is about 4,750 acres in size and is a second-order tributary of Sylvan Creek, which flows into French Creek. The Hem Creek watershed is entirely public land managed by the United States Forest Service (USFS), Clearwater National Forest.

Hem Creek was first listed for temperature impairment on Idaho's 2002 §303(d) list. The reason given for the listing was that Hem Creek was federally protected bull trout water, and USFS temperature data indicated exceedance of federal criteria. In fact, Hem Creek is not identified in the federal rule for Idaho as water protected for bull trout, so the basis for the listing was in error. Thus DEQ proposed removing the temperature listing for Hem Creek in the draft 2008 §303(d) list. We noted instead exceedance of salmonid spawning criteria, but dismissed them as natural based on DEQ's 2003 *Upper North Fork Clearwater River Subbasin Assessment and Total Maximum Daily Loads*. The rationale was the absence of tree removal within Idaho's 75-foot streamside protection zone (SPZ), stream temperatures colder than any other watershed in the upper North Fork Clearwater River subbasin, and excellent health of the aquatic community including a strong cutthroat trout population. Idaho's cumulative watershed effects (CWE) process was used to evaluate stream shade.

EPA raised concerns about the proposed delisting of Hem Creek in a February 20, 2008, letter to DEQ received during public comment on Idaho's draft 2008 Integrated Report. EPA stated that from their review of 1998 and 2004 aerial photography "it is clear that harvest management has been going on in this watershed during the past several years" and asserted that a more detailed analysis was needed, consistent with DEQ's natural background procedure's manual. EPA also objected to DEQ's mention of CWE. DEQ responded to EPA's comments, disagreeing with EPA's concerns, and proceeded with delisting.

In 2008, DEQ and EPA corresponded informally regarding EPA's pending action on Idaho's 2008 §303(d) list and final disposition of Hem Creek. In October 2008, DEQ learned that EPA had performed a geographic information system (GIS)-based shade analysis.

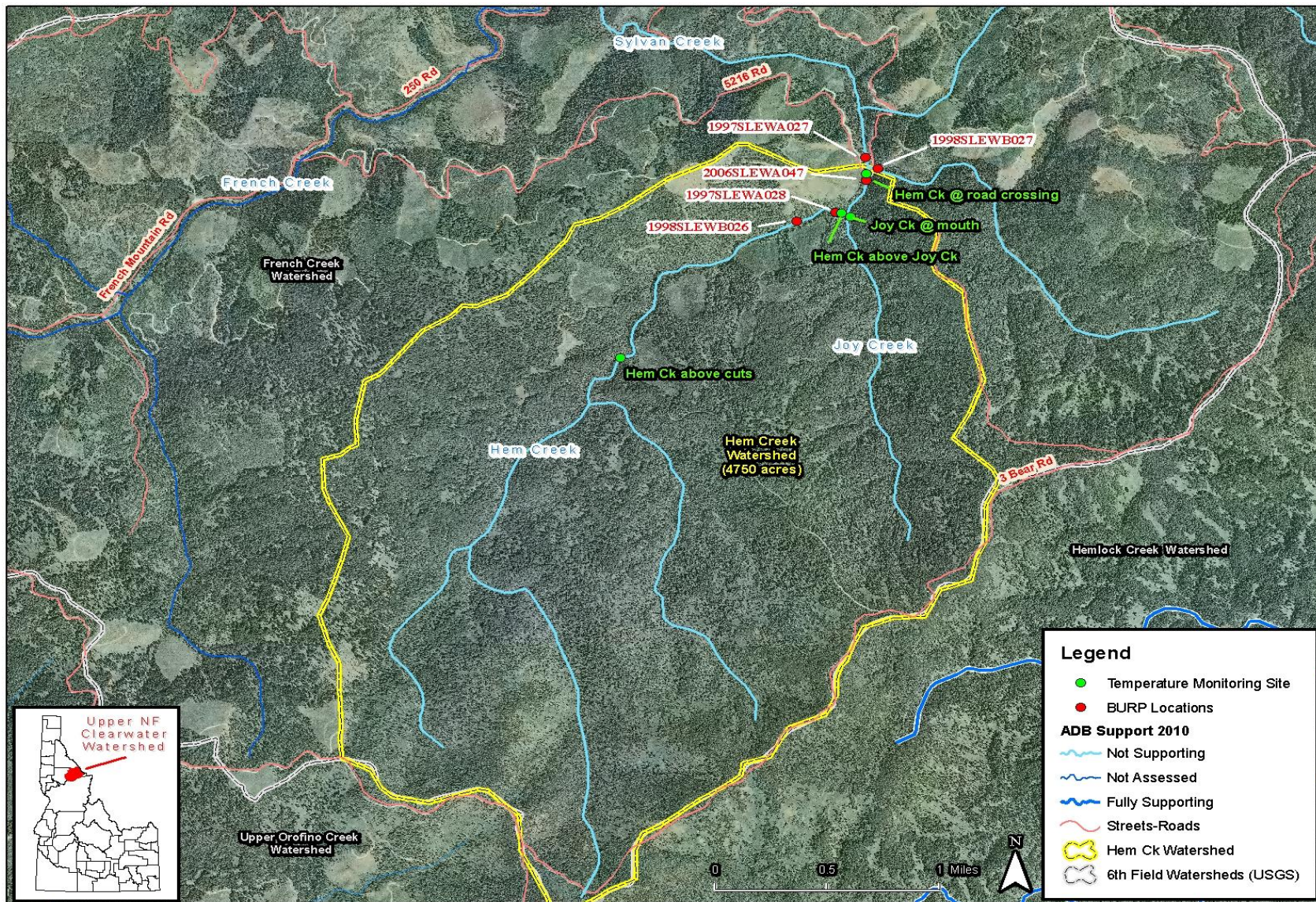


Figure 1. Monitoring locations in Hem Creek watershed.

It appeared throughout 2008 that EPA and DEQ were making judgments based on desktop shade analysis. After receiving EPA-proposed disapproval of the Hem Creek delisting for temperature impairment in spring 2009, DEQ decided additional field investigations were needed to verify unclear facts or facts in dispute based on aerial photos and GIS layers used in EPA's shade analysis. The facts in dispute included (a) the extent of lost shade from past timber harvest, (b) presence of a road in the streamside management zone, and (c) infringement of timber harvest units on riparian buffers.

On September 23, 2009, Don Essig, Jason Pappani, and Daniel Stewart, DEQ, visited Hem Creek to gather and verify information about the effect of historic forest operations in the drainage on stream shade and thus water temperatures. EPA's action to keep Hem Creek listed for temperature in Idaho's 2008 Integrated Report was finalized on October 13, 2009, before this report could be completed (EPA 2009b). This field investigation report will support DEQ's pursuit of temperature impairment delisting in the 2012 Integrated Report on the basis of natural conditions.

2. Purpose of September 2009 Field Visit

The purpose of the September 2009 field visit was to identify any logging activity that may have occurred adjacent to the stream or in the riparian area. Specifically, we looked for evidence of riparian roads and measured height and girth (diameter at breast height [DBH]) of riparian trees, distance from streambank to clear-cut margins, and height of tree regeneration in the clear-cuts. In part, we were verifying the data and assumptions made by EPA in the GIS shade analysis they had conducted (enclosure 3 to February 4, 2009, EPA approval/disapproval letter of Idaho's 2008 §303(d) list).

Based on our knowledge of Hem Creek and forest practices in Idaho, we were concerned about three pieces of information EPA used in their analysis that appeared to be inaccurate:

1. EPA asserted, based on a GIS stream layer that Hem Creek actually passed through one of the timber harvest units (cut 2 in Figure 2).
2. EPA asserted that there was an old riparian road along a portion of lower Hem Creek.
3. In predicting lost shade due to past timber harvest, EPA used tree height of only 5 feet, growing back after clear-cutting in some units, 13 years after harvest.

During the September field visit, we also retrieved HOBO temperature loggers that were installed at the beginning of summer 2009 (Table 1) by Jason Fales and Daniel Stewart. Figure 1 shows the temperature monitoring locations as well as locations of three past DEQ Beneficial Use Reconnaissance Program (BURP) biomonitoring sites in the Hem Creek watershed. Appendix A provides a photo log of the September 2009 field visit. This field visit was in addition to earlier field work by Mark Shumar to ground-truth his existing shade estimates made from interpretation of aerial imagery. The potential natural vegetation (PNV) work is reported in Appendix B.

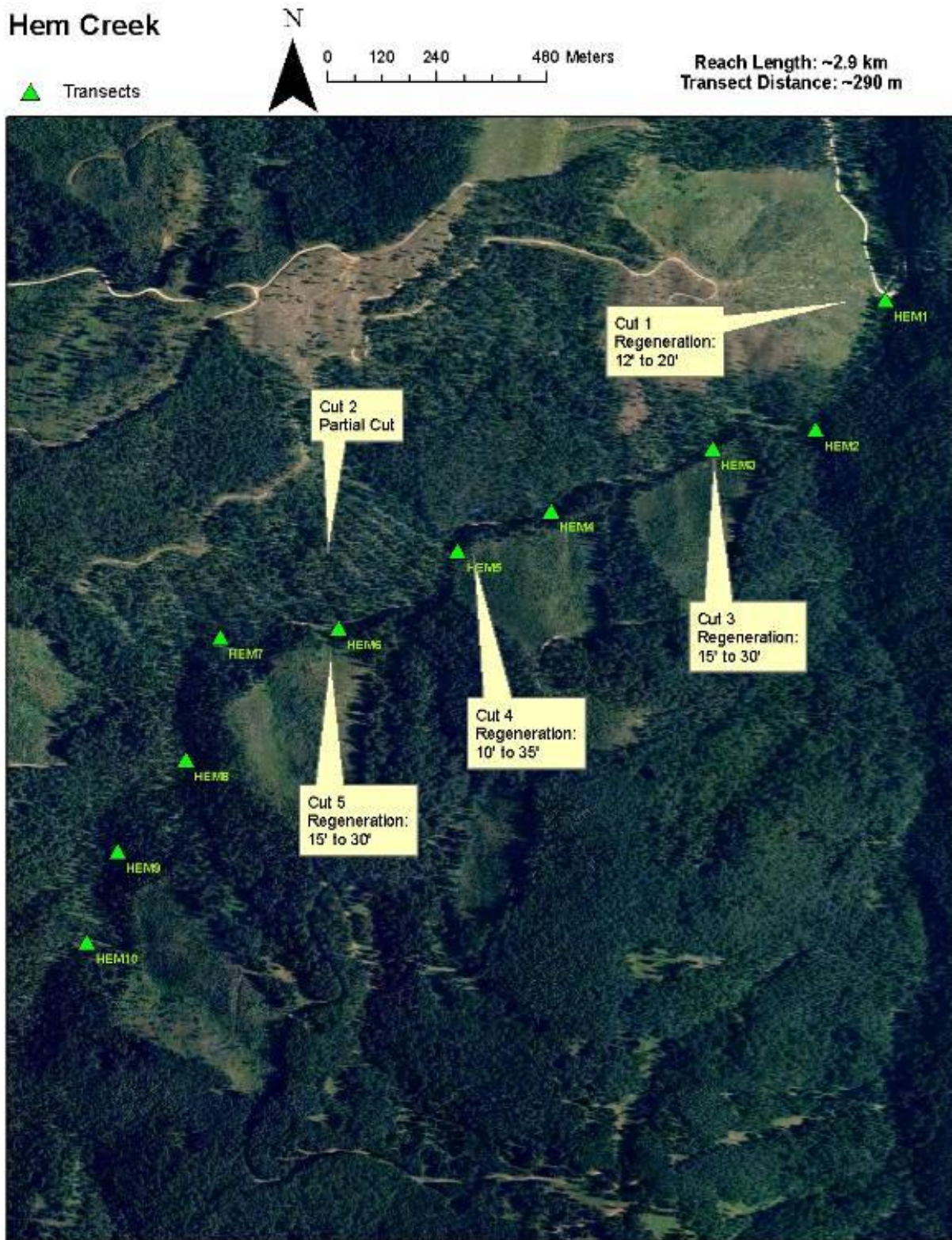


Figure 2. Hem Creek riparian assessment transects.

Table 1. Temperature logger locations in summer 2009.

No.	Site Name	Date Placed	Latitude	Longitude
1	Hem Creek above cutting units ^a	7-9-2009	46° 30' 48.2"	-115° 37' 30.1"
2	Hem Creek above Joy Creek ^a	6-26-2009	46° 31' 26.3"	-115° 36' 13.6"
3	Joy Creek at mouth	6-26-2009	46° 31' 25.3"	-115° 36' 12.8"
4	Hem Creek above Forest Service Road 5216 near mouth	6-26-2009	46° 31' 35.9"	-115° 36' 06.3"

a. Duplicate loggers were placed at these two locations. All loggers were recovered September 23, 2009.

3. Methods

From desktop analysis, we identified a 2.9 kilometer (km) reach of lower Hem Creek as the area in the watershed potentially affected by timber harvest. This reach extends from just above Forest Service Road 5216 crossing near the mouth of Hem Creek to a point above all historic cutting units. We divided the reach into 10 approximately equidistant sections and established Global Positioning System waypoints for transects in the middle of each section (Figure 2, green triangles). Figure 2 also identifies the five historic timber harvest units adjacent to lower Hem Creek.

We then went on site to investigate the effects that the cutting units and associated roads may have had on shading of Hem Creek. We walked the entire 2.9 km reach, up and then back down. At each transect, we measured height and DBH of the nearest tree at each bank (Table 2). If it was possible to see a cutting unit from the stream, we measured the horizontal and straight line (slope) distance to the edge of the clear-cut by using a rangefinder sited on the nearest uncut tree. Where clear-cuts were evident from the creek, we also walked into the clear-cut and measured the height of tree regeneration.

4. Findings

4.1 Integrity of Streamside Management Zone

At no point along the lower 2.9 km of Hem Creek does the creek enter or pass through a cutting unit. The smallest distance from streambank to cutting unit found was 73 feet. This distance is consistent with forest practices at the time of harvesting (mid-1990s), which is a 75-foot buffer width for each bank. We believe EPA's misimpression of harvest unit infringement on these buffers can be attributed to their use of GIS analysis coupled with the inaccurate location of Hem Creek in the 1:100,000 hydrography layer used. The location accuracy of GIS data did not support the detailed level of their analysis.

Table 2. Transect measurements.

Transect	Bank	Tree Ht (ft)	Tree DBH (in)	Horizontal Distance to clear cut (ft)	Comment
HEM1	RB	163	29	73	Engelmann spruce; no road found along stream; taken at road crossing; regeneration height in Cut- 12-20'
HEM2	LB	82	12	NA	White Fir
HEM2	RB	105	38	300	Western Red Cedar;
HEM3	LB	28	7	147	Engelmann spruce- small tree is not representative of what is along bank or within riparian corridor; regeneration height in clear cut- 15', 21', 24', 22', 30'
HEM3	RB	92	18	*	White Fir; unable to see clear cut from creek or riparian area
HEM4	LB	130	27	*	Engelmann spruce; 55.4' from wetted edge; cannot see cut from creek
HEM4	RB	59	14	NA	Western Red Cedar; 16' from wetted
HEM5	LB	134	33	123	Engelmann spruce; regeneration height in cut- 10', 24', 24', 36', 31'
HEM5	RB	54	13	NA	Engelman spruce,
HEM6	LB	102	19	*	Engelmann spruce; 5' from wetted edge; cannot see any evidence of logging through the trees, <u>natural gap with saturated soil</u>
HEM6	RB	106	20	*	Engelmann spruce; 10' from wetted edge; cannot see any evidence of logging through the trees
HEM7	LB	127	23	*	Engelmann spruce; 4' from wetted edge; cannot see any evidence of logging through the trees
HEM7	RB	66	19	NA	Western Red Cedar; 20' from wetted; saturated soil
HEM8	LB	120	20	NA	Engelman spruce
HEM8	RB	107	22	NA	Engelman spruce
HEM9	LB	94	25	*	Engelmann spruce; cannot see any evidence of logging through the trees
HEM9	RB	115	24	NA	Engelman spruce
HEM10	LB	73	12	*	White Fir; cannot see any evidence of logging through the trees
HEM10	RB	60	15	NA	Engelman spruce

Neither a road nor any evidence of a road constructed was seen in the riparian area of the lower 2.9 km of Hem Creek. A small, primitive one-unit camping site was found adjacent to Hem Creek on the south bank just upstream of Forest Service Road 5216. We do not know the source of misinformation regarding a riparian road along Hem Creek, but it may have been an inaccurate roads layer or misinterpretation of aerial photos or imagery.

Regeneration within the clear-cut units was robust with dense growth of trees and thick undergrowth of shrubs and forbs throughout the cuts. There was nearly complete cover of the ground and the canopy structure was already two-tiered, with a shrub layer of head height beneath a tree canopy of 12–35 feet. This growth is consistent with a date for the most recent harvest activity adjacent to Hem Creek of 1994, as reported by the USFS. As noted by EPA in its comparison of aerial photographs, a more recent second entry into a cutting unit spanned the Hem Creek and French Creek divide, but this cutting unit is too far removed from Hem Creek to affect stream shading.

We found minimal evidence of logging operations within the riparian zone. We counted 6 stumps adjacent to the right bank near transect HEM5; these stumps were not within a harvest unit and were likely removed as hazards to logging operations in the adjacent clear-cuts or because they were in the way of high-line cables used for log extraction. Since high-line logging was employed, harvest units along the creek were not skidded, and roads were absent, except for access roads along the upper boundaries of the units, far from the creek.

In walking the lower 2.9 km of Hem Creek, the clear-cut units were visible from only a few locations, and the partial cut (cut 2 in Figure 1) was never visible from the stream. During our field visit (10 a.m. to 4 p. m. on September 23, 2009), the stream surface was at times lit by sunshine, but this was almost entirely due to the sun shining down between the forest cover gaps caused by the stream channel itself, not due to any missing trees in the riparian zone or beyond.

In DEQ's view, EPA also inappropriately based their analysis on 300-foot INFISH management buffers that were not in effect at the time of harvest. Irrespective of buffer width, minimal departure is seen from potential stream shade 15 years after harvest (Appendix B).

4.2 2009 Water Temperature

All four temperature monitoring locations easily met Idaho's temperature criteria for cold water aquatic life of 22 °C for daily maximums and 19 °C for daily averages (Table 3). This was not true for salmonid spawning temperature criteria (Table 4). Applying a cutthroat trout spawning period of May 1 through July 31, all four sites exceeded Idaho's spawning and incubation criteria of 13 °C for daily maximums and 9 °C for daily averages. Note that Hem Creek above the lower 2.9 km reach and Joy Creek (sites 1 and 3) are unentered watersheds.

Table 3. Stream temperature summary, °C.

Site No.	MDMT	MWMT	MDAT	Days of Record	SS Days
1 ^a	14.15	13.73	12.08	77	23
2 ^a	16.03	15.57	13.00	90	36
3	13.91	13.44	12.17	90	36
4	15.56	15.06	12.90	90	36

Notes: maximum daily maximum temperature (MDMT); maximum weekly maximum temperature (MWMT); maximum daily average temperature (MDAT); salmonid spawning (SS)

a. The warmer of the two duplicates is shown; the duplicate were very close in temperature.

Table 4. Salmonid spawning criteria exceedance summary.

Site No.	13 °C DMT		13 °C WMT ^a		9 °C DAT	
	No. of Days	Percent of SS	No. of Days	Percent of SS	No. of Days	Percent of SS
1 ^b	7	8	11	12	20	22
2 ^b	16	17	21	23	31	34
3	0	0	5	5	26	28
4	11	12	18	20	30	33

Notes: daily maximum temperature (DMT); weekly maximum temperature (WMT); daily average temperature (DAT); salmonid spawning (SS)

a. United States Environmental Protection Agency Region 10 recommended spawning criterion.

b. Calculated as number of observed days > criterion / 92-day spawning period. Assumes all exceedances were captured in period of measurement. Seasonal trends in temperature indicate this is very likely.

4.3 General Observations

The Hem Creek channel is dominated by coarse substrate (cobbles and gravel) and is about 30% bedrock, mostly in the middle of the examined reach. Ample woody debris and frequent pools formed by substrate and large wood are present. A narrow floodplain lies along Hem Creek near its mouth, between transects 1 and 2. Above Joy Creek, the valley narrows, the channel steepens, and there are only pockets of floodplain with steep slopes coming down to the stream in most places. In this area, outcrops of bedrock become apparent. Between transects 6 and 7, the valley widens slightly, and a narrow floodplain is again evident.

A 75-foot SPZ on either bank is wider, often much wider, than the floodplain of Hem Creek in nearly the entire 2.9 km lower reach. As noted above, the valley is steep-sided outside of the minimal floodplain. Thus effective shade of the riparian forest is increased by topography.

Hem Creek experienced overbank flow in floodplain areas during high runoff in spring and early summer 2009. We found evidence of recent floodplain sediment deposits in places, but despite the high runoff, there was no evidence of mass-wasting, channel-widening, or overland delivery of sediment from adjacent hill slopes.

4.4 Hem Creek Existing and Potential Shade Summary

Independent of the September 2009 field investigation of riparian disturbance, but also prompted by EPA's pending §303(d) listing action, Mark Shumar conducted an analysis of PNV earlier in 2009. The results of this work are provided in Appendix B and summarized in Table 5.

Table 5. Summary of 2009 potential natural vegetation analysis of Hem Creek.

Reach	Channel Width (meter)	Cover Type	Target Shade	Existing Shade (2009)	Difference	Near Stream Disturbance
1	2	Subalpine	97	80	-17	No activity
2	3	Subalpine	96	80	-16	No activity
3	4	Upland	94	80	-14	No activity
4	6	Upland	90	70	-20	No activity
5	8	Upland	81	60	-21	Few old (1994) cuts
6	8	Breakland	55	60	+5	More old (1994) cuts
7	8	Breakland	55	50	-5	Road crossing campsite

The reaches are numbered from upstream to downstream. Length of each reach varies (Appendix B). Channel widths are the existing widths. As noted previously, no evidence of channel-widening was found in the September 2009 field investigations. In many places, the channel in the lower reaches was observed to be constrained by steep side slopes that dropped into the stream with no floodplain. Sections of the bedrock channel observed were wider than adjacent sections, perhaps because down-cutting is limited. The phenomenon of undisturbed channels wider than regional curves predict is one that DEQ has seen before in wetter portions of Idaho. Therefore, although wider in the lower reaches than regional curves suggest, existing widths were taken as natural.

The combination of channel width and cover type determines potential shade based on regional shade curves (Shumar and de Varona 2009). Existing shade is estimated from aerial imagery and field verified, where possible, with Solar Pathfinder observations. This verification was only possible in the lower three reaches due to limited access in the upper watershed because of the lack of roads. Existing shade estimates are binned by 10% increments, rounded down; that is, estimated shade of less than 10% is assigned an existing shade class of 0%, 10% to 19% is assigned 10%, and so on.

5. Shade Discussion

A deficit of shade (potential to existing) was identified in the upper four undisturbed reaches of Hem Creek, ranging nominally from 14% to 20%. A portion of this deficit may be an artifact of rounding down the existing shade. We also believe that the shade curves fail to account for sparser forest stands that can occur on saturated slopes or wet meadows at higher elevations. In any event, we do not take the indicated deficit of shade in the upper four reaches to be a departure from natural as there is no human activity than can account for it.

Reaches 6 and 7 are at a lower elevation where the cover type is breaklands. This cover type in combination with a wider channel results in lower natural shade. Reach 6 shows a small (+5%) surplus of shade. The surplus could be due to improved understory growth spurred by increased sunlight from upstream harvest units but most likely is not a real measurable difference. The small shade deficit (-5%) in reach 7, while possibly attributed to a break in riparian cover due to the Forest Service Road 5216 crossing and campsite, is also within the precision of measurement. This disturbance is also below all temperature measurements and thus cannot cause warmer temperatures at monitored locations.

While reach 5 has a significant shade deficit (-21%), it is similar to the undisturbed upper reaches. Although there was timber harvest that might account for this deficit, on our September 2009 site visit we found past timber harvest to be no closer than 73 feet to the stream and in only a few areas was past harvest evident from the stream as a visible break in the canopy (Appendix A, photos A-15 to A-17). Overall through reach 5, human disturbance of the riparian area was insignificant.

5.1 Biological Condition

Previously collected DEQ bioassessment data indicate very healthy aquatic communities (Appendix C), exceeding reference condition thresholds by a large margin. The fish population monitored by DEQ consisted entirely of cutthroat trout. Monitoring of fish populations by the Clearwater National Forest has shown Hem Creek to host strong populations of cutthroat trout (Appendix D).

6. Conclusions

The presence of timber management seen from aerial photographs or on the ground does not constitute a violation of water quality standards. Minor levels of disturbance in a watershed do not preclude natural conditions of temperature or other attributes of water quality. Nature, extent, proximity, and age of disturbance all matter.

While temperature data clearly show exceedance of Idaho's salmonid spawning criteria applied to a spawning period for cutthroat trout that extends from May 1 to July 31, there is not a human cause to explain this exceedance. There is not a riparian road. Hem Creek does not flow through any of the recovering harvest units, and those units are set well back from the channel, respecting harvest practice at the time (75-foot buffers). Vegetation regrowth within the 1994 harvest units has created a closed canopy with tree heights reaching 30 feet. Loss of stream shade, while not absent, is small and mainly attributable to human disturbance near the mouth at the Forest Service Road 5216 crossing.

The results of the PNV analysis and on-site investigation of riparian condition leads DEQ to conclude human-caused depression in riparian shade is far less than 1% and does not account for observed exceedance of numeric temperature criteria to protect salmonid spawning. The healthy macroinvertebrate community and robust cutthroat trout population indicates the stream's natural structural, functional, and taxonomic integrity are preserved. Together, this weight of evidence

leads DEQ to conclude that Hem Creek's exceedance of numeric temperature criteria is a natural condition and is not a violation of Idaho's water quality standards.

The facts surrounding Hem Creek reinforce DEQ's view that Idaho's current salmonid spawning temperature criteria are inappropriate to many Idaho waters, overly protective, and should be revised upward so that future time and resources are not wasted on phantom impairments.

7. References

- EPA (United States Environmental Protection Agency, Region 10). 2009a. *Partial Approval/Partial Disapproval of Idaho's 2008 303(d) List*. Letter from Mike Bussell, EPA Director of Water and Watersheds to Barry Burnell, DEQ Administrator of Water Quality Programs, February 4, 2009, with attachments.
- EPA (United States Environmental Protection Agency, Region 10). 2009b. *Final Action Letter on Idaho's 2008 303(d) List*. Letter from Mike Bussell, EPA Director of Water and Watersheds to Barry Burnell, DEQ Administrator of Water Quality Programs, October 13, 2009, with attachments.
- Shumar, M. and J. de Varona. 2009. *The Potential Natural Vegetation (PNV) Temperature Total Maximum Daily Load (TMDL) Procedures Manual*. Boise, ID: Idaho Department of Environmental Quality.

Appendix A—Photo Log



Photo A-1. Cut 1 as viewed from Forest Service Road 5216 (foreground). Hem Creek crossing is just out of view at bottom of picture.



Photo A-2. View up Hem Creek from Forest Service Road 5216 showing campsite. Creek flows from middle to lower right corner.



Photo A-3. View of Hem Creek looking upstream from transect 1. The creek in this area has some floodplain. Temperature logger 4 was located near this area.



Photo A-4. View toward cut 1 from Hem Creek just above transect 1.



Photo A-5. Hem Creek between transects 1 and 2.



Photo A-6. View upslope toward cut 1 from transect 2.



Photo A-7. Natural gap in forest canopy (no stumps) on south bank between transects 2 and 3.

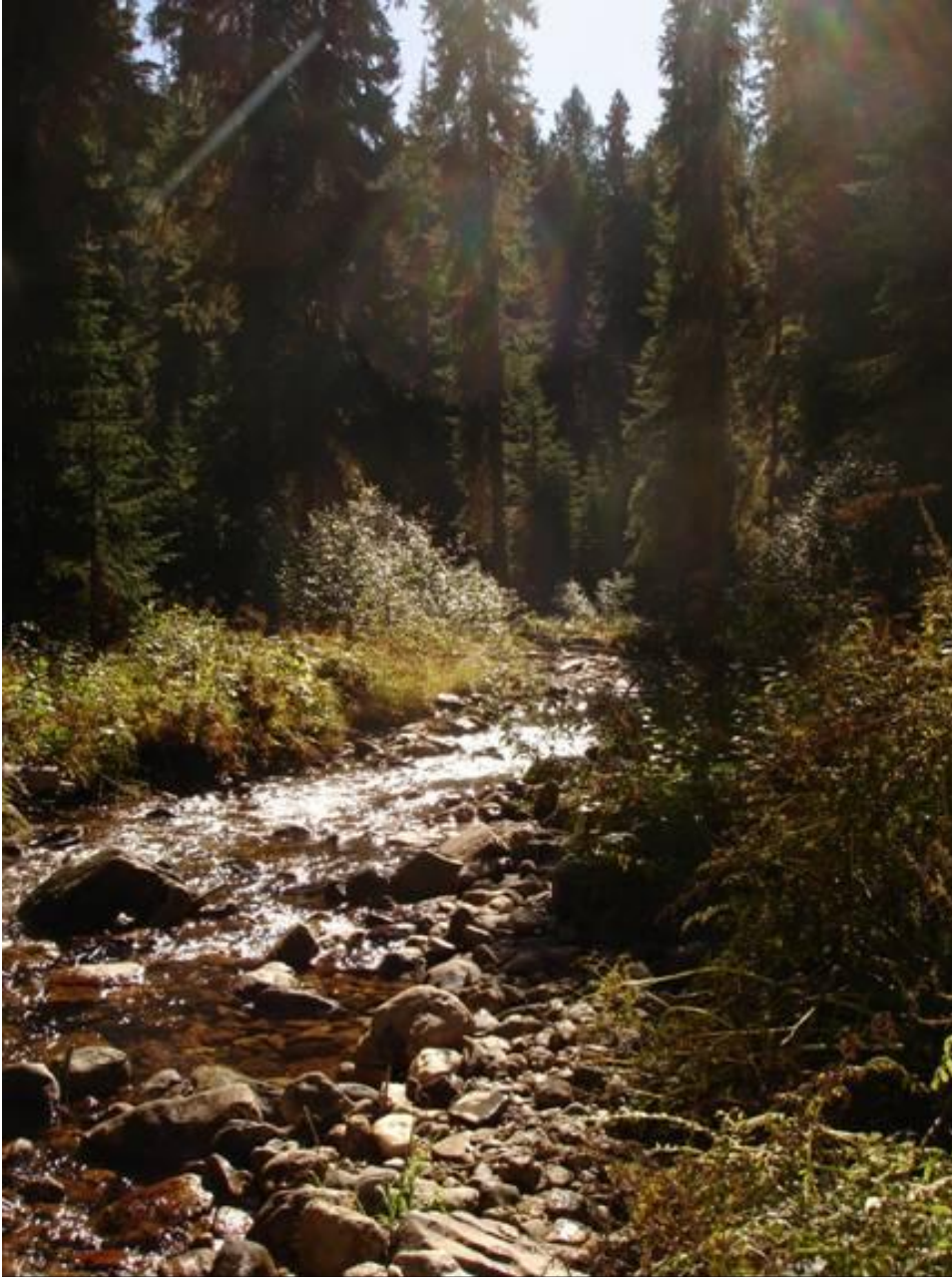


Photo A-8. View up Joy Creek from confluence with Hem Creek. Joy Creek is an un-entered, roadless watershed. Temperature logger 3 was located in this area.



Photo A-9. Hem Creek view upstream above Joy Creek confluence. Temperature logger 2 was located in the area. No cutting units are located in area. Sun was shining through gap in forest formed by Joy Creek.



Photo A-10. View up to cut 3 taken at transect 3. One of two natural gaps encountered, approximately 30 yards wide. No stumps were present.



Photo A-11. View up north bank taken from transect 3 toward cut 1, which was not visible from stream.



Photo A-12. View of south bank of Hem Creek at transect 4, looking toward cut 4.



Photo A-13. Pool formed by log just above transect 4. Abundant large woody debris created structure and habitat in the channel.



Photo A-14. Bedrock stream channel between transects 4 and 5; cut 4 is to the left but was not visible from stream.



Photo A-15. View down Hem Creek at transect 5. Cut 4 is to the right. No floodplain is present.

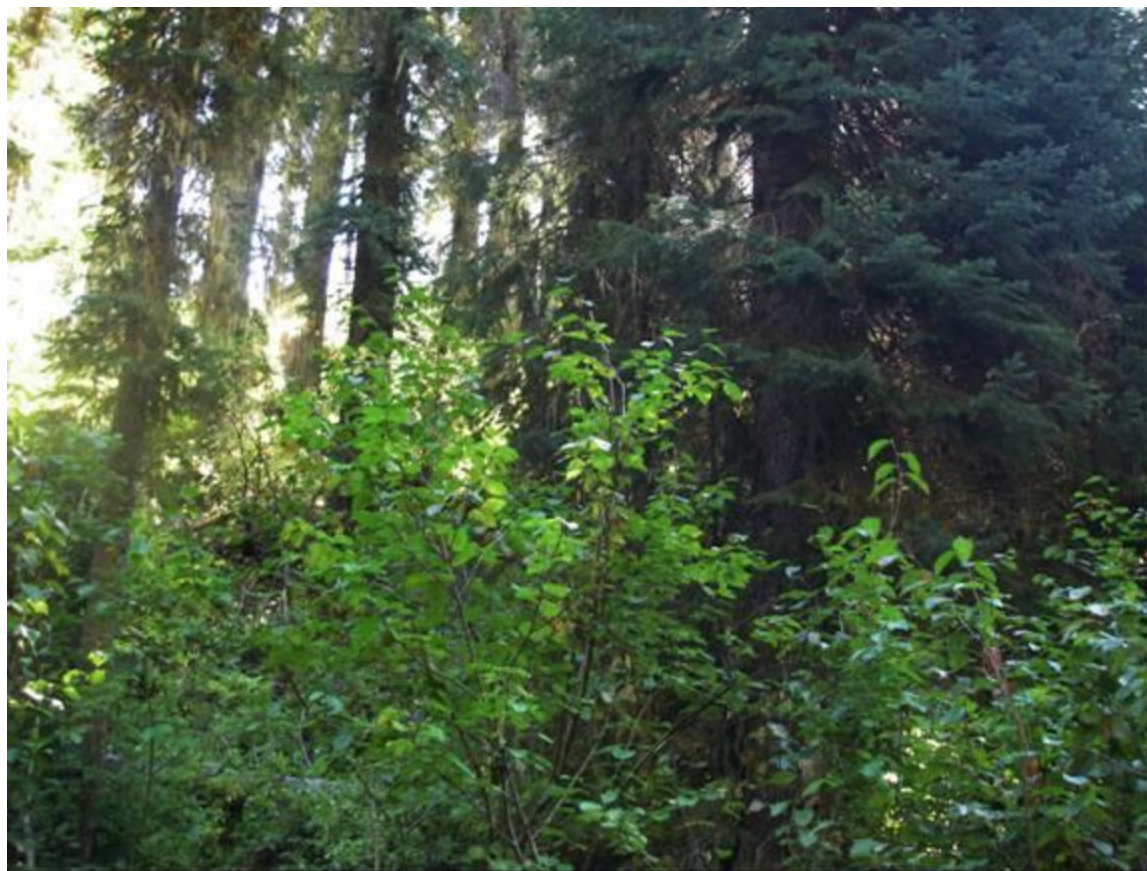


Photo A-16. View of south bank at transect 5, looking toward cut 4.



Photo A-17. View toward cut 2 from mouth of small tributary between transects 5 and 6. Cut was not visible.



Photo A-18. View downstream at transect 6, cut 5 on right. No floodplain is present. Hill slopes plunge down into stream.



Photo A-19. View of cut 5 through natural gap near transect 6.



Photo A-20. View of north bank at transect 6, looking toward cut 2.

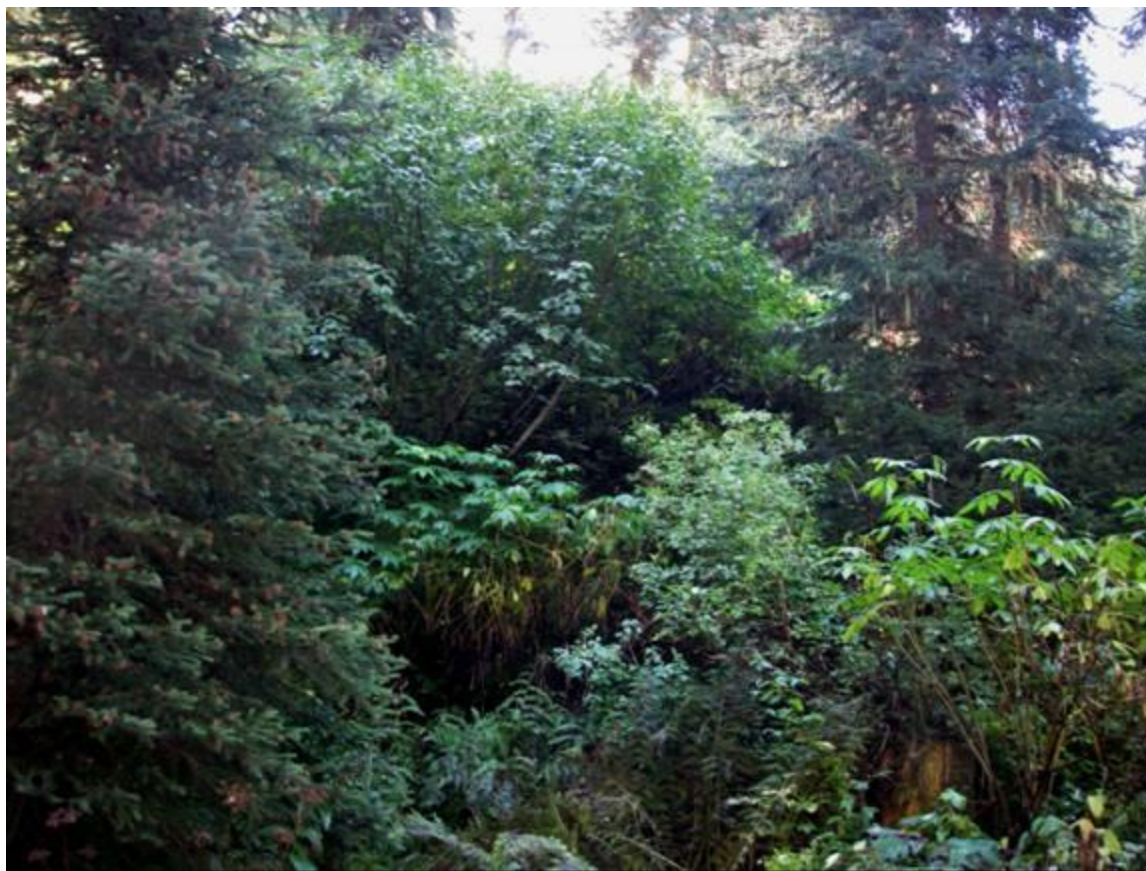


Photo A-21. View of south bank, looking toward cut 5 at transect 6.



Photo A-22. View upstream at transect 6.



Photo A-23. View down Hem Creek at transect 7. Stream has a small floodplain. Cut 2 is to the left, and cut 5 is to the right; neither are visible from stream.



Photo A-24. View downstream at transect 8. No cuts are nearby. Sunshine is due to stream aspect and time of day.



Photo A-25. View downstream at transect 9. Uppermost cut on south side of stream is off to the right but not visible from stream. Sunshine is due to stream aspect aligning with sun.



Photo A-26. View upstream at transect 9.



Photo A-27. View downstream from transect 10.



Photo A-28. View upstream at transect 10. Temperature monitoring location 1 (Hem Creek above cuts) was a short distance upstream. At this point, the channel gradient has slackened; valley has opened up a bit; and a floodplain is again present. All past timber harvest activity is downstream from this location.

Appendix B—Potential Natural Vegetation Shade Analysis

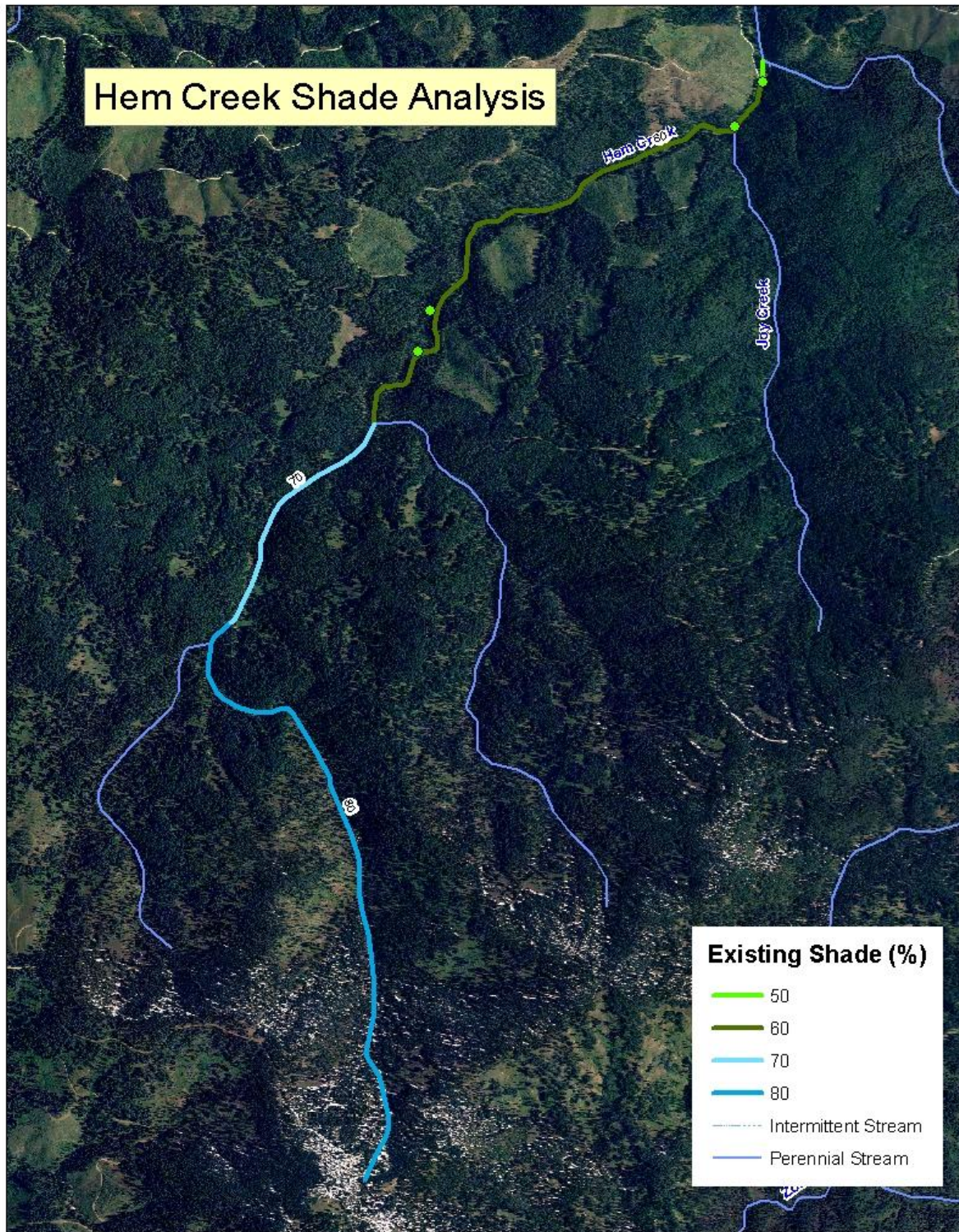


Figure B-1. Existing shade analysis for Hem Creek.

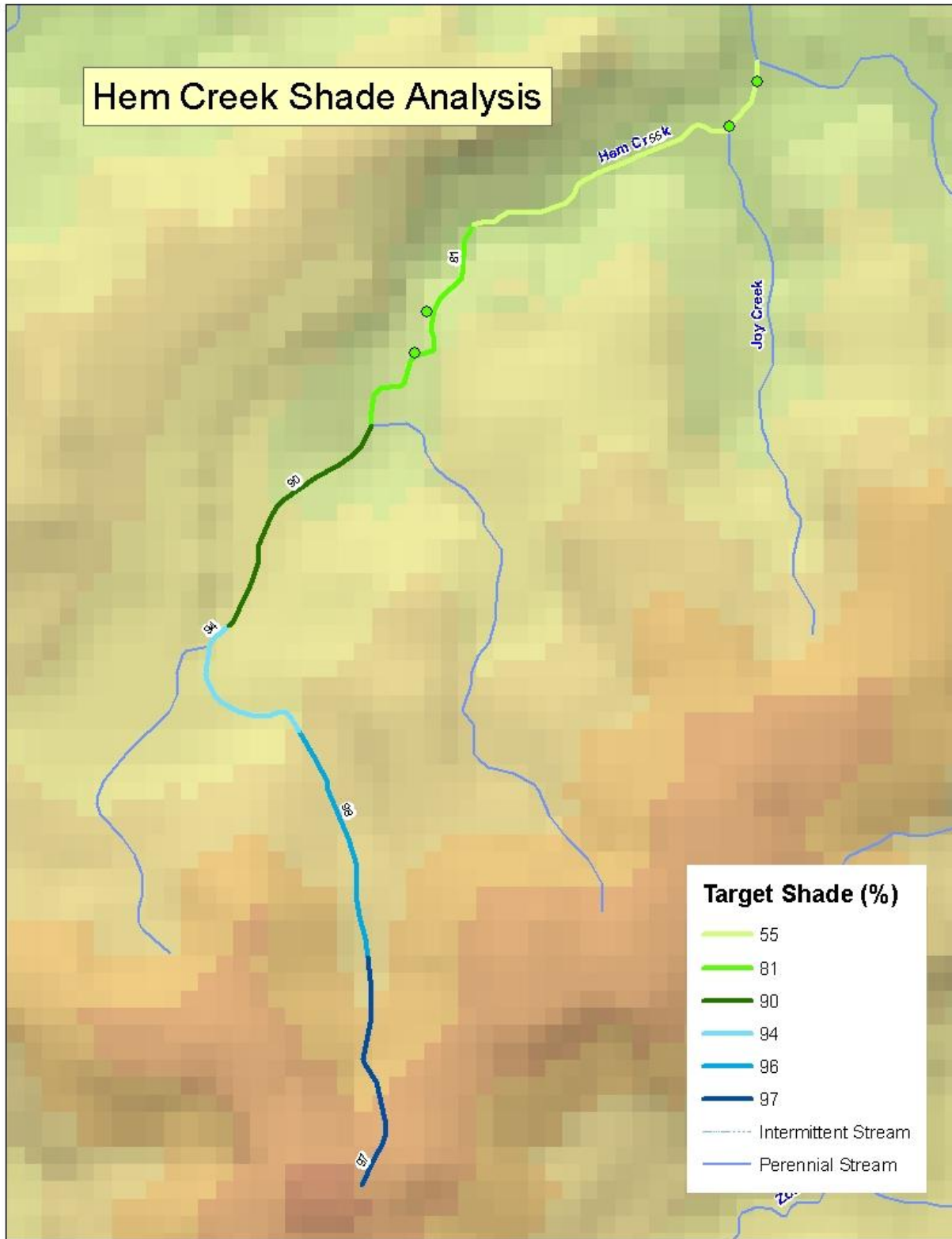


Figure B-2. Target shade analysis for Hem Creek.

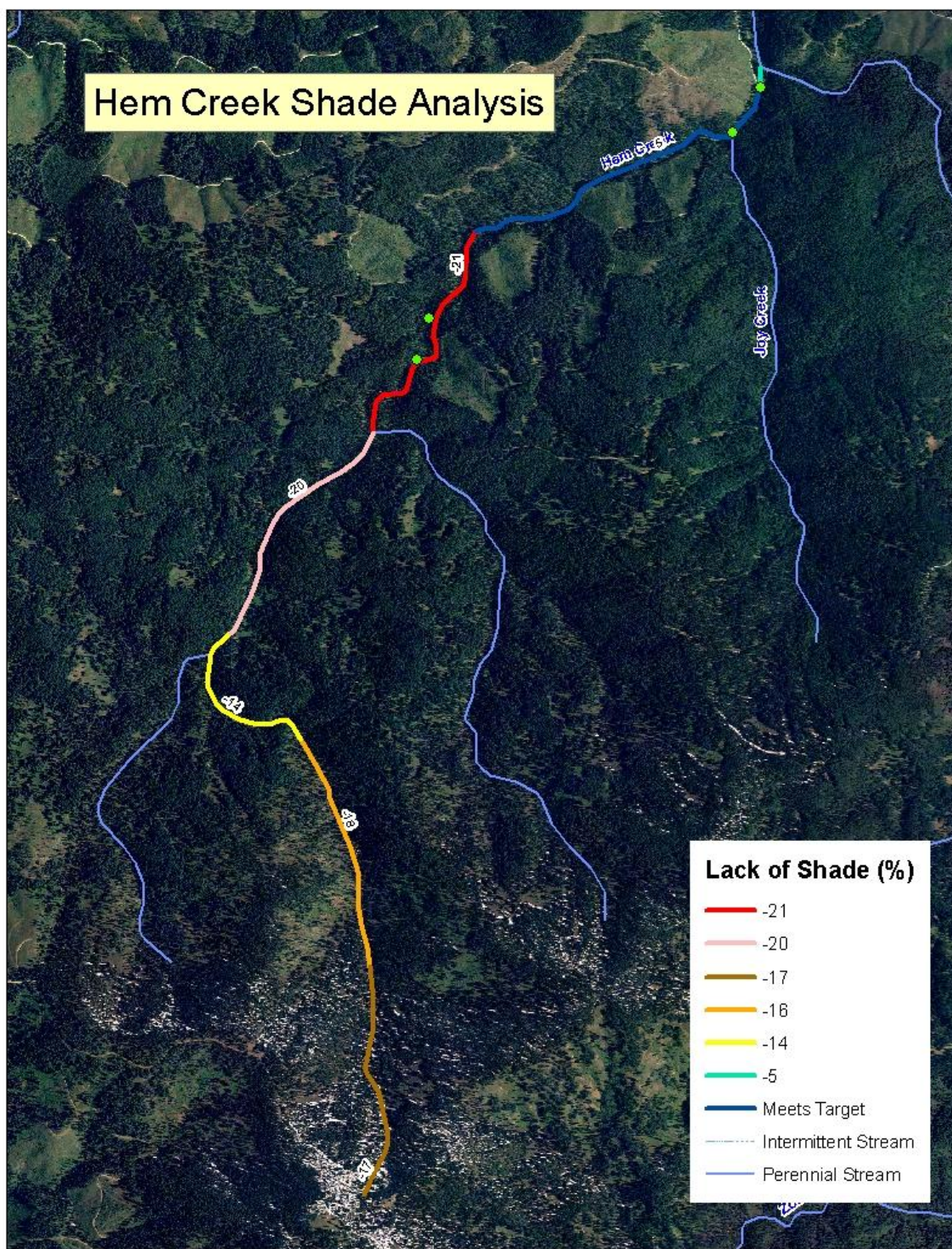


Figure B-3. Lack-of-shade analysis for Hem Creek.

Table B-1. Solar load analysis for Hem Creek.

Reach No.	Segment Length (meters)	Existing Shade (fraction)	Existing Summer Load (kWh/m ² /day)	Potential Shade (fraction)	Potential Summer Load (kWh/m ² /day)	Potential Load Minus Existing load (kWh/m ² /day)
1	1,240	0.8	1.10	0.97	0.165	-0.930
2	1,240	0.8	1.10	0.96	0.220	-0.880
3	940	0.8	1.10	0.94	0.330	-0.770
4	1,330	0.7	1.65	0.90	0.550	-1.100
5	1,320	0.6	2.20	0.81	1.045	-1.155
6	1,820	0.6	2.20	0.55	2.475	0.275
7	80	0.5	2.75	0.55	2.475	-0.275

Existing Stream Width (m)	Natural Stream Width (m)	Existing Segment Area (m ²)	Existing Summer Load (kWh/day)	Natural Segment Area (m ²)	Potential Summer Load (kWh/day)	Potential Load Minus Existing Load (kWh/day)	Lack of Shade (%)	Hem Creek
2	2	2,480	2,728	2,480	409.2	-2,318.8	-17	Subalpine
3	3	3,720	4,092	3,720	818.4	-3,273.6	-16	—
4	4	3,760	4,136	3,760	1,240.8	-2,895.2	-14	Upland
6	6	7,980	13,167	7,980	4,389.0	-8,778.0	-20	—
8	8	10,560	23,232	10,560	11,035.2	-12,196.8	-21	—
8	8	14,560	32,032	14,560	36,036.0	4004.0	0	Breakland
8	8	640	1,760	640	1,584.0	-176.0	-5	—
Total		43,700	81,147	43,700	55,513	-25,634	-13	—

Notes: kilowatt hour per square meter per day (kWh/m²/day); meter (m); square meter (m²)

Appendix C—Summary of DEQ’s Biological Monitoring and Assessment Results for Hem Creek

Table C-1. Hem Creek stream fish index.

BURPID	Stream	Ecoregion	Date Sampled	HUC	SFI	% Cold	Score	Reference Benchmark ^a
1997SLEWA028	Hem Creek	Northern Rockies	8/7/1997	17060307	82.7	100	3	81
1998SLEWB026	Hem Creek	Northern Rockies	8/5/1998	17060307	99.5	100	3	81
2006SLEWA047	Hem Creek	Northern Rockies	8/10/2006	17060307	81.7	100	3	81

Notes: Beneficial Use Reconnaissance Program identification (BURPID); hydrologic unit code (HUC); stream fish index (SFI)

a. This is the median for reference sites used in developing the index. The 75th percentile was 91, and the 90th percentile 97.

Table C-2. Hem Creek stream macroinvertebrate index.

BURPID	Stream	Ecoregion	Date Sampled	HUC	Total Abundance	Total Taxa	SMI	Score	Reference Benchmark ^a
1997SLEWA028	Hem Creek	Northern Rockies	8/7/1997	17060307	580	38	79.9	3	65
1998SLEWB026	Hem Creek	Northern Rockies	8/5/1998	17060307	405	33	79.3	3	65
2006SLEWA047	Hem Creek	Northern Rockies	8/10/2006	17060307	525	45	76.0	3	65

Notes: Beneficial Use Reconnaissance Program identification (BURPID); hydrologic unit code (HUC); stream macroinvertebrate index (SMI)

a. This is the 25th percentile for reference sites used in developing the index. The median was 70, and the 75th percentile was 79.

Table C-3. Hem Creek stream habitat index.

BURPID	Stream	Ecoregion	Date Sampled	HUC	SHI	Score	Reference Benchmark ^a
1997SLEWA028	Hem Creek	Northern Rockies	8/7/1997	17060307	77	3	66
1998SLEWB026	Hem Creek	Northern Rockies	8/5/1998	17060307	74	3	66
2006SLEWA047	Hem Creek	Northern Rockies	8/10/2006	17060307	78	3	66

Notes: Beneficial Use Reconnaissance Program identification (BURPID); hydrologic unit code (HUC); stream habitat index (SHI)

a. This is the 25th percentile of reference sites used in developing the index.

More detail on development of Idaho's small stream biological indices can be found in the following reference:

Grafe, C.S., ed. *Idaho Stream Ecological Assessment Framework: An Integrated Approach*. Boise, ID: Idaho Department of Environmental Quality.

This document is available online at: http://www.deq.idaho.gov/media/457010-wbag_02_entire.pdf

Appendix D—Information on Strength of Cutthroat Population in Hem Creek

E-mail from Pat Murphy, Clearwater National Forest to Cynthia Barrett, DEQ, Lewiston Regional Office, April 9, 2009:

Regarding the fish population status in Hem Creek, we have noted on several occasions that we considered the westslope cutthroat trout population strong. This is based on the following information:

First, during our input to the Columbia River Basin assessment (CRB) in 1995 we were asked to evaluate the existing fish populations for specific drainages. In drainages we had fish population data, we based our strong versus depress designations for westslope cutthroat trout on information provided in Rieman and Apperson (1989); the document noted that in their status and analysis of westslope cutthroat trout populations in Idaho they assumed densities of 1-10 fish (age 2 or older fish) per 100 m² were strong populations. At the time, I discuss this information with Bruce Rieman and we agreed that for the CRB effort westslope cutthroat trout densities of >2 fish (age 2 or older)/100 m² would be appropriate to designate a strong population.

Now for Hem Creek, we conducted an in-house fish population survey (snorkeling) at three locations (two - Hem Creek, 1 Joy Creek) in 1994. The densities of westslope cutthroat trout (>2 fish (age 2 or older)/100 m²) ranged from 7.5-20.9 at the two Hem Creek sites and 3.2 at the Joy Creek site.

In 1997, the Sylvan Creek drainage had a habitat survey conducted via contractor, Clearwater BioStudies, Inc. The contract also called for fish population surveys (snorkeling) in Hem Creek as well as in several tributaries. The information was summarized in Clearwater BioStudies, Inc. (1998); I believe DEQ has a copy at its Lewiston Office. The densities of westslope cutthroat trout (>2 fish (age 2 or older)/100 m²) ranged from 2.0-5.9 in Hem Creek, 2.4-3.6 in West Fork Hem Creek, 11.6 at one site in East Fork Hem Creek, and 2.2 at the lower site in Joy Creek. For comparison, the parent drainage, Sylvan Creek, had densities that ranged from 2.4-8.6.

Two of the 1994 Hem Creek sites were repeated in 1997. While the number were lower than what the Forest observed in 1994, the stream flows were substantially higher in 1997 versus 1994. Based on data from the Lochsa River and assuming the stream flows within the North Fork Clearwater River drainage were similar to the Lochsa River, the summer stream flows in 1994 were very low (30% of average) and very high in 1997 (168% of average). Although the data is standardized by 100 m², our densities in 1994 were most likely higher than average stream flow conditions as the larger fish were bunched together in the pool/run habitat. Likewise, the densities in 1997 were most likely lower due to higher stream flows which spread the fish out and created additional habitats for rearing.

So, based on the two fish population surveys we have considered the westslope cutthroat trout population strong in the Hem Creek. Could the drainage support higher densities or is the drainage at carrying capacity are two good questions that folks can speculate upon. In any case, the available data supports our opinion that Hem Creek is most likely in the middle tier of the streams designated with strong populations of westslope cutthroat trout in the North Fork Clearwater River drainage (see attachment, north_fork_cutt_dens.xls).

Citations:

Rieman, B.E. and K.A. Apperson. 1989. Status and analysis of salmonid fisheries. Westslope cutthroat trout synopsis and analysis of fishery information. Idaho Department of Fish and Game Project F-73-R-11, Subproject II, Job No. 1. Idaho Department of Fish Game, Boise, Idaho.

Clearwater BioStudies, Inc. 1998. Habitat conditions and salmonid abundance in selected streams within the Orogrande Creek drainage, North Fork Ranger District, summer 1997. Contract report no. 53-0276-7-88, prepared for U.S.D.A. Forest Service, Clearwater National Forest, Orofino, Idaho.

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Appendix N. Waters remaining from the 2002 total maximum daily load settlement agreement.

Please note, EPA is responsible for developing TMDLs for waters located in HUC 17060306 (highlighted in gray in the table below) because they are on tribal land; therefore, DEQ is assigning these waters as low priority.

Assessment Unit	Water Body Name	US Geological Survey Cataloging Unit Name	Pollutant
ID17010104PN004_02	Blue Joe Creek	Lower Kootenai	Cadmium
ID17010104PN004_02	Blue Joe Creek	Lower Kootenai	Lead
ID17010104PN004_02	Blue Joe Creek	Lower Kootenai	Zinc
ID17010214PN001_08	Priest River to Albeni Falls Dam	Pend Oreille Lake	Temperature (water)
ID17010214PN001_08	Priest River to Albeni Falls Dam	Pend Oreille Lake	Dissolved Gas Supersaturation
ID17010215PN012_02	Two Mouth Creek	Priest	Temperature (water)
ID17010215PN023_02	Reeder Creek	Priest	Temperature (water)
ID17010215PN023_03	Gold Cr (part of Reeder)	Priest	Temperature (water)
ID17010215PN024_03	Kalispell Creek	Priest	Temperature (water)
ID17010215PN026_02	Binarch Creek	Priest	Temperature (water)
ID17010215PN030_04	Lower West Branch Priest	Priest	Temperature (water)
ID17010215PN008_03	Solider	Priest	Temperature (water)
ID17010215PN013_02	Lion Creek	Priest	Temperature (water)
ID17010215PN019_02	Gold/Hughes	Priest	Temperature (water)
ID17010215PN022_04	Granite Creek	Priest	Temperature (water)
ID17010301PN003_03	Beaver Creek	Upper Coeur d'Alene	Temperature (water)
ID17010301PN004_04	Prichard Creek	Upper Coeur d'Alene	Temperature (water)
ID17010301PN028_03	Steamboat Creek	Upper Coeur d'Alene	Temperature (water)
ID17010303PN007_06	Coeur d'Alene River-Latour to mouth	Coeur d'Alene Lake	Sedimentation/Siltation
ID17040209SK003_03	Marsh Creek	Lake Walcott	Cause Unknown
ID17040212SK010_03	Mud Creek	Upper Snake-Rock	Temperature (water)
ID17040212SK012_03	Cedar Draw	Upper Snake-Rock	Temperature (water)
ID17040212SK014_02	Cottonwood Creek	Upper Snake-Rock	Temperature (water)
ID17040212SK015_02	McMullen Creek	Upper Snake-Rock	Temperature (water)
ID17040212SK015_03	McMullen Creek	Upper Snake-Rock	Temperature (water)
ID17040212SK020_07	Snake-Milner to T Falls	Upper Snake-Rock	Temperature (water)
ID17040212SK022_03	Dry Creek	Upper Snake-Rock	Temperature (water)
ID17040212SK034_04	Clover Creek	Upper Snake-Rock	Temperature (water)

Assessment Unit	Water Body Name	US Geological Survey Cataloging Unit Name	Pollutant
ID17040212SK035_04	Pioneer Reservoir	Upper Snake-Rock	Temperature (water)
ID17040219SK028_02	Rock Creek	Big Wood	Temperature (water)
ID17050102SW009_06	Bruneau	Bruneau	Temperature (water)
ID17050102SW028_04	Clover Creek-E Fork Bruneau	Bruneau	Temperature (water)
ID17050102SW028_05	Clover Creek-E Fork Bruneau	Bruneau	Temperature (water)
ID17050102SW002_05	Jacks Creek	Bruneau	Temperature (water)
ID17050103SW004_02	McBride	Middle Snake-Succor	Sedimentation/Siltation
ID17050103SW004_03	McBride	Middle Snake-Succor	Sedimentation/Siltation
ID17050103SW004_03	McBride	Middle Snake-Succor	Temperature (water)
ID17050103SW016_02	Pickett	Middle Snake-Succor	Temperature (water)
ID17050103SW016_03	Pickett	Middle Snake-Succor	Sedimentation/Siltation
ID17050103SW021_03	Birch	Middle Snake-Succor	Sedimentation/Siltation
ID17050103SW021_04	Birch	Middle Snake-Succor	Sedimentation/Siltation
ID17050103SW008_02	Hardtrigger	Middle Snake-Succor	Sedimentation/Siltation
ID17050114SW001_06	Boise River-Indian Creek to mouth	Lower Boise	Temperature (water)
ID17050114SW001_06	Boise River-Indian Creek to mouth	Lower Boise	Total Phosphorus
ID17050114SW002_04	Indian Creek at Nampa	Lower Boise	Temperature (water)
ID17050114SW002_04	Indian Creek at Nampa	Lower Boise	E. coli
ID17050114SW002_04	Indian Creek at Nampa	Lower Boise	Total Phosphorus
ID17050114SW005_06	Boise River-River Mile 50 to Star Bridge	Lower Boise	Temperature (water)
ID17050114SW005_06a	Boise River-Star to Middleton	Lower Boise	Total Phosphorus
ID17050114SW006_02	Mason Creek	Lower Boise	Sedimentation/Siltation
ID17050114SW006_02	Mason Creek	Lower Boise	Cause Unknown (Nutrients Suspected)
ID17050114SW010_03	Five Mile Creek	Lower Boise	Sedimentation/Siltation
ID17050114SW010_03	Five Mile Creek	Lower Boise	Total Phosphorus
ID17050114SW011a_06	Boise River-Diversion Dam to River Mile 50	Lower Boise	Temperature (water)
ID17050114SW016_03	Sand Hollow Creek	Lower Boise	Sedimentation/Siltation
ID17050114SW016_03	Sand Hollow Creek	Lower Boise	Cause Unknown (Nutrients Suspected)
ID17050114SW017_03	Sand Hollow Creek	Lower Boise	Sedimentation/Siltation
ID17050114SW017_06	Sand Hollow Creek	Lower Boise	Sedimentation/Siltation
ID17050114SW008_03	Ten Mile Creek	Lower Boise	Sedimentation/Siltation

Assessment Unit	Water Body Name	US Geological Survey Cataloging Unit Name	Pollutant
ID17050114SW008_03	Ten Mile Creek	Lower Boise	E. coli
ID17050114SW015_02	Willow Creek (nr Pearl)	Lower Boise	Combined Biota/Habitat Bioassessments
ID17050114SW015_02	Willow Creek (nr Pearl)	Lower Boise	Temperature (water)
ID17050122SW001_06	Black Can Dam to mouth	Payette	Temperature (water)
ID17050201SW003_08	Snake River	Brownlee Reservoir	Mercury
ID17060201SL015_03	Garden Creek	Upper Salmon	Sedimentation/Siltation
ID17060201SL015_03	Garden Creek	Upper Salmon	Cause Unknown (Nutrients Suspected)
ID17060201SL015_04	Garden Creek	Upper Salmon	Sedimentation/Siltation
ID17060201SL015_04	Garden Creek	Upper Salmon	Cause Unknown (Nutrients Suspected)
ID17060201SL027_05	Salmon River	Upper Salmon	Sedimentation/Siltation
ID17060201SL027_05	Salmon River	Upper Salmon	Temperature (water)
ID17060201SL047_05	Salmon River	Upper Salmon	Sedimentation/Siltation
ID17060201SL047_05	Salmon River	Upper Salmon	Temperature (water)
ID17060201SL063_05	Salmon River	Upper Salmon	Sedimentation/Siltation
ID17060201SL063_05	Salmon River	Upper Salmon	Temperature (water)
ID17060201SL072_05	Salmon River	Upper Salmon	Sedimentation/Siltation
ID17060201SL131_04	Warm Springs Creek	Upper Salmon	Sedimentation/Siltation
ID17060201SL132_02	Warm Springs Creek	Upper Salmon	Sedimentation/Siltation
ID17060201SL132_03	Warm Springs Creek	Upper Salmon	Sedimentation/Siltation
ID17060201SL132_04	Warm Springs Creek	Upper Salmon	Sedimentation/Siltation
ID17060201SL133_02	Broken Wagon Creek	Upper Salmon	Sedimentation/Siltation
ID17060201SL133_03	Broken Wagon Creek	Upper Salmon	Sedimentation/Siltation
ID17060203SL005_03	Big Deer Creek	Middle Salmon-Panther	Copper
ID17060203SL011_04	Panther Creek	Middle Salmon-Panther	Copper
ID17060306CL006_03	Sweetwater Creek	Clearwater	Sedimentation/Siltation
ID17060306CL006_03	Sweetwater Creek	Clearwater	Temperature (water)
ID17060306CL006_03	Sweetwater Creek	Clearwater	Cause Unknown
ID17060306CL006_03	Sweetwater Creek	Clearwater	Fecal Coliform
ID17060306CL006_04	Sweetwater Creek	Clearwater	Sedimentation/Siltation
ID17060306CL006_04	Sweetwater Creek	Clearwater	Temperature (water)
ID17060306CL006_04	Sweetwater Creek	Clearwater	Cause Unknown
ID17060306CL006_04	Sweetwater Creek	Clearwater	Fecal Coliform
ID17060306CL007_02	Webb Creek	Clearwater	Sedimentation/Siltation

Assessment Unit	Water Body Name	US Geological Survey Cataloging Unit Name	Pollutant
ID17060306CL007_02	Webb Creek	Clearwater	Temperature (water)
ID17060306CL007_02	Webb Creek	Clearwater	Cause Unknown
ID17060306CL007_02	Webb Creek	Clearwater	Fecal Coliform
ID17060306CL019_02	Holes Creek	Clearwater	Ammonia (un-ionized)
ID17060306CL019_02	Holes Creek	Clearwater	Oil and Grease
ID17060306CL019_02	Holes Creek	Clearwater	Sedimentation/Siltation
ID17060306CL019_02	Holes Creek	Clearwater	Cause Unknown
ID17060306CL020_03	Long Hollow Creek	Clearwater	Sedimentation/Siltation
ID17060306CL020_03	Long Hollow Creek	Clearwater	Cause Unknown
ID17060306CL020_03	Long Hollow Creek	Clearwater	Fecal Coliform
ID17060306CL023_02	Sixmile Creek	Clearwater	Ammonia (un-ionized)
ID17060306CL023_02	Sixmile Creek	Clearwater	Oil and Grease
ID17060306CL023_02	Sixmile Creek	Clearwater	Sedimentation/Siltation
ID17060306CL023_02	Sixmile Creek	Clearwater	Temperature (water)
ID17060306CL023_02	Sixmile Creek	Clearwater	Cause Unknown
ID17060306CL023_03	Sixmile Creek	Clearwater	Ammonia (un-ionized)
ID17060306CL023_03	Sixmile Creek	Clearwater	Oil and Grease
ID17060306CL023_03	Sixmile Creek	Clearwater	Sedimentation/Siltation
ID17060306CL023_03	Sixmile Creek	Clearwater	Temperature (water)
ID17060306CL023_03	Sixmile Creek	Clearwater	Cause Unknown
ID17060306CL024_02	Lawyer Creek	Clearwater	Ammonia (un-ionized)
ID17060306CL024_02	Lawyer Creek	Clearwater	Oil and Grease
ID17060306CL024_02	Lawyer Creek	Clearwater	Sedimentation/Siltation
ID17060306CL024_02	Lawyer Creek	Clearwater	Temperature (water)
ID17060306CL024_02	Lawyer Creek	Clearwater	Cause Unknown
ID17060306CL024_02	Lawyer Creek	Clearwater	Fecal Coliform
ID17060306CL024_03	Lawyer Creek	Clearwater	Ammonia (un-ionized)
ID17060306CL024_03	Lawyer Creek	Clearwater	Oil and Grease
ID17060306CL024_03	Lawyer Creek	Clearwater	Sedimentation/Siltation
ID17060306CL024_03	Lawyer Creek	Clearwater	Temperature (water)
ID17060306CL024_03	Lawyer Creek	Clearwater	Cause Unknown
ID17060306CL025_02	Sevenmile Creek	Clearwater	Sedimentation/Siltation
ID17060306CL025_03	Sevenmile Creek	Clearwater	Sedimentation/Siltation
ID17060306CL041_02	Bedrock Creek	Clearwater	Ammonia (un-ionized)
ID17060306CL041_02	Bedrock Creek	Clearwater	Oil and Grease
ID17060306CL041_02	Bedrock Creek	Clearwater	Sedimentation/Siltation
ID17060306CL041_02	Bedrock Creek	Clearwater	Temperature (water)
ID17060306CL041_02	Bedrock Creek	Clearwater	Cause Unknown

Assessment Unit	Water Body Name	US Geological Survey Cataloging Unit Name	Pollutant
ID17060306CL041_02	Bedrock Creek	Clearwater	Fecal Coliform
ID17060306CL043_02	Pine Creek	Clearwater	Sedimentation/Siltation
ID17060306CL043_02	Pine Creek	Clearwater	Temperature (water)
ID17060306CL043_02	Pine Creek	Clearwater	Cause Unknown
ID17060306CL043_03	Pine Creek	Clearwater	Ammonia (un-ionized)
ID17060306CL043_03	Pine Creek	Clearwater	Oil and Grease
ID17060306CL043_03	Pine Creek	Clearwater	Sedimentation/Siltation
ID17060306CL043_03	Pine Creek	Clearwater	Cause Unknown
ID17060308CL001_06	North Fork Clearwater River	Lower North Fork Clearwater	Dissolved Gas Supersaturation

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Appendix O. §303(d) priority ranking by hydrologic unit code and year.

Year	Hydrologic Unit Code	US Geological Survey Cataloging Unit Name	Priority
2013			
	17040209	Lake Walcott	High
	17040212	Mid-Snake/Upper Snake Rock	High
	17050102	Bruneau	High
	17050114	Lower Boise	High
	17060308	Lower North Fork Clearwater	High
	17010215	Priest	High
	17010301	Upper (North Fork) Coeur d'Alene	High
	17010302	South Fork Coeur d'Alene	High
	17010305	Upper Spokane	High
2014			
	17010104	Lower Kootenai	High
	17010214	Pend Oreille Lake	High
	17010216	Pend Oreille River	High
	17010303	Coeur d'Alene Lake	High
	17040217	Little Lost	High
	17040219	Big Wood River	High
	17050103	Mid-Snake/Succor Creek	High
	17050122	Payette	High
	17050201	Brownlee	High
	17060201	Salmon River-Upper	High
	17060202	Pahsimeroi	High
	17060203	Mid-Salmon River/Panther Creek	High
	17060305	South Fork Clearwater	High
2015			
	17040105	Salt	Medium
	16020309	Curlew Valley	Medium
	17040201	Idaho Falls	Medium
	17040104	Snake River-S Fork/Palisades	Medium
	17040221	Little Wood River	Medium
	17040216	Birch	Medium
	17040220	Camas Creek	Medium
	17050115	Mid-Snake /Payette	Medium
	17050101	C J Strike	Medium
	17060101	Snake below Hells Canyon	Medium
	17060108	Palouse	Medium

Year	Hydrologic Unit Code	US Geological Survey Cataloging Unit Name	Priority
	17060304	Middle Fork Clearwater	Medium
	17060307	Upper North Fork Clearwater	Medium
2016			
	17010101	Upper Kootenai	Medium
	17010105	Moyie	Medium
	17010213	Lower Clark Fork	Medium
	17040204	Teton River	Medium
	17040205	Willow Creek	Medium
	17040215	Medicine Lodge	Medium
	17060207	Salmon River/Crooked Creek	Medium
2017			
	17040207	Blackfoot	Low
	16010102	Central Bear	Low
	16010201	Bear Lake	Low
	16010202	Middle Bear	Low
	16010203	Little Bear-Logan	Low
	16010204	Lower Bear-Malad	Low
	17040214	Beaver-Camas	Low
	17060205	Salmon River-Middle	Low
	17060204	Lemhi	Low
	17060206	Salmon River-Middle	Low
	17060209	Lower Salmon	Low
	17060210	Little Salmon	Low
	17060208	South Fork Salmon	Low
	17060303	Lochsa River	Low
	17050123	North Fork Payette/Cascade Lake	Low
	17060103	Lower Snake/Asotin (Tammany Creek)	Low
	17060306	Clearwater (non-tribal)	Low
	17060301	Upper Selway River	Low
	17060302	Selway River	Low
	17040213	Salmon Falls Creek	Low
	17050112	Boise-Mores Creek	Low
	17040206	American Falls	Low
	17040218	Big Lost River	Low
	17040202	Henry's Lake	Low
	17040203	Henry's Fork	Low
	17050120	South Fork Payette	Low
	17050111	Middle Fork Boise	Low

Year	Hydrologic Unit Code	US Geological Survey Cataloging Unit Name	Priority
	17050113	South Fork Boise	Low
	17050108	Jordan Creek	Low
	17040208	Portneuf	Low
	17010304	St Joe	Low
	17010306	Hangman	Low
	17050104	Upper Owyhee	Low
	17050105	Owyhee River	Low
	17050107	North Fork Owyhee	Low
	17040210	Raft River	Low
	17040211	Goose Creek	Low
	17050124	Weiser	Low

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Appendix P. Map of mercury-impaired water bodies.

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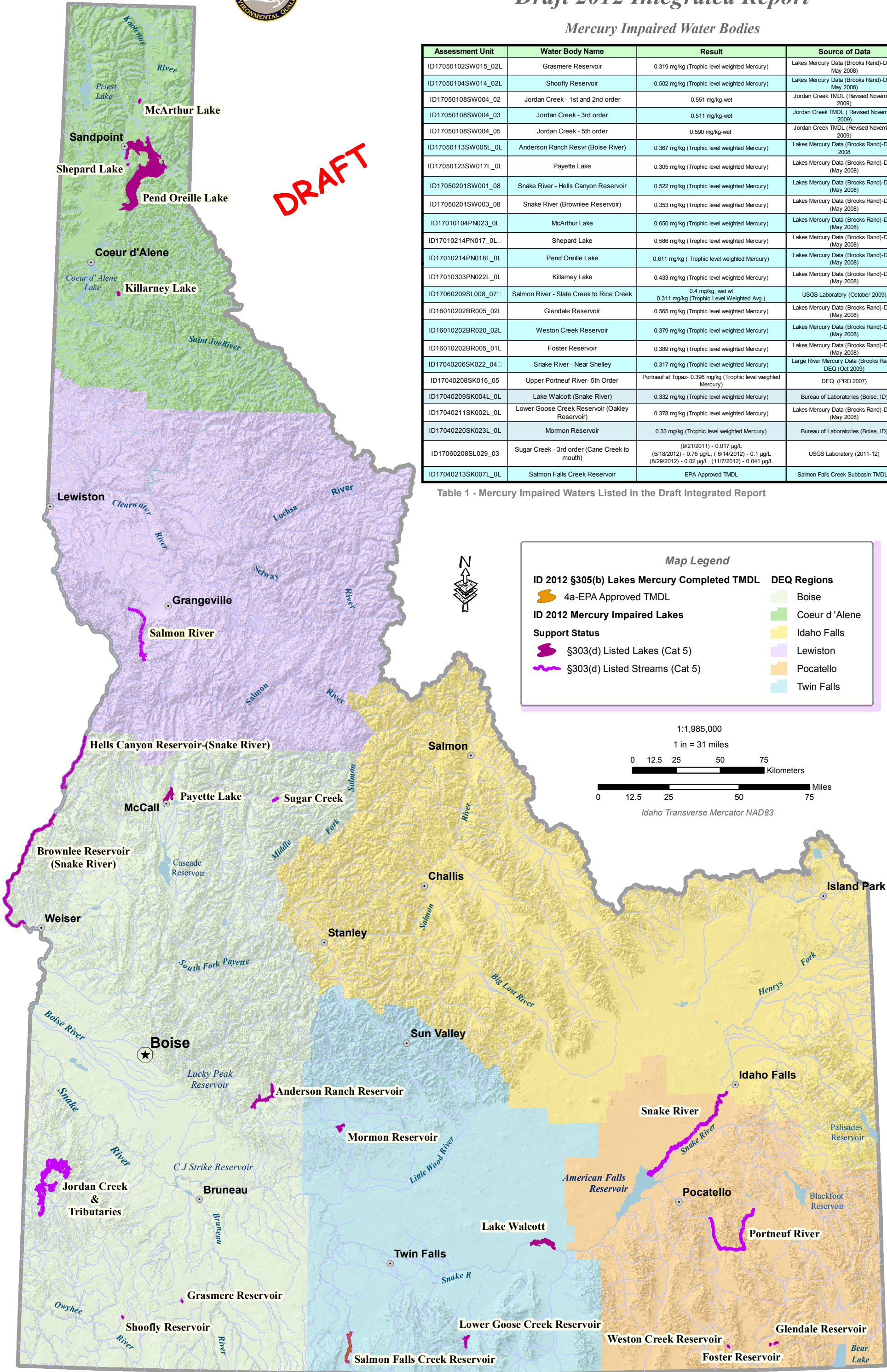
Idaho Department of Environmental Quality

Draft 2012 Integrated Report

Mercury Impaired Water Bodies

Assessment Unit	Water Body Name	Result	Source of Data
ID17050102SW015_02L	Grasmere Reservoir	0.319 mg/kg (Trophic level weighted Mercury)	Lakes Mercury Data (Brooks Rand)-DEQ (May 2008)
ID17050104SW014_02L	Shoofly Reservoir	0.502 mg/kg (Trophic level weighted Mercury)	Lakes Mercury Data (Brooks Rand)-DEQ (May 2008)
ID17050108SW004_02	Jordan Creek - 1st and 2nd order	0.551 mg/kg-wet	Jordan Creek TMDL (Revised November 2009)
ID17050108SW004_03	Jordan Creek - 3rd order	0.511 mg/kg-wet	Jordan Creek TMDL (Revised November 2009)
ID17050108SW004_05	Jordan Creek - 5th order	0.590 mg/kg-wet	Jordan Creek TMDL (Revised November 2009)
ID17050113SW005L_0L	Anderson Ranch Resvr (Boise River)	0.367 mg/kg (Trophic level weighted Mercury)	Lakes Mercury Data (Brooks Rand)-DEQ 2008
ID17050123SW017L_0L	Payette Lake	0.305 mg/kg (Trophic level weighted Mercury)	Lakes Mercury Data (Brooks Rand)-DEQ (May 2008)
ID17050201SW001_08	Snake River - Hells Canyon Reservoir	0.522 mg/kg (Trophic level weighted Mercury)	Lakes Mercury Data (Brooks Rand)-DEQ (May 2008)
ID17050201SW003_08	Snake River (Brownlee Reservoir)	0.353 mg/kg (Trophic level weighted Mercury)	Lakes Mercury Data (Brooks Rand)-DEQ (May 2008)
ID17010104PN023_0L	McArthur Lake	0.650 mg/kg (Trophic level weighted Mercury)	Lakes Mercury Data (Brooks Rand)-DEQ (May 2008)
ID17010214PN017_0L	Shepard Lake	0.586 mg/kg (Trophic level weighted Mercury)	Lakes Mercury Data (Brooks Rand)-DEQ (May 2008)
ID17010214PN018L_0L	Pend Oreille Lake	0.611 mg/kg (Trophic level weighted Mercury)	Lakes Mercury Data (Brooks Rand)-DEQ (May 2008)
ID17010303PN022L_0L	Killarney Lake	0.433 mg/kg (Trophic level weighted Mercury)	Lakes Mercury Data (Brooks Rand)-DEQ (May 2008)
ID17060209SL008_07	Salmon River - Slate Creek to Rice Creek	0.4 mg/kg, wet wt 0.311 mg/kg (Trophic Level Weighted Avg.)	USGS Laboratory (October 2009)
ID16010202BR005_02L	Glendale Reservoir	0.565 mg/kg (Trophic level weighted Mercury)	Lakes Mercury Data (Brooks Rand)-DEQ (May 2008)
ID16010202BR020_02L	Weston Creek Reservoir	0.379 mg/kg (Trophic level weighted Mercury)	Lakes Mercury Data (Brooks Rand)-DEQ (May 2008)
ID16010202BR005_01L	Foster Reservoir	0.389 mg/kg (Trophic level weighted Mercury)	Lakes Mercury Data (Brooks Rand)-DEQ (May 2008)
ID17040206SK022_04	Snake River - Near Shelley	0.317 mg/kg (Trophic level weighted Mercury)	Large River Mercury Data (Brooks Rand)-DEQ (Oct 2009)
ID17040208SK016_05	Upper Portneuf River- 5th Order	Portneuf at Topaz- 0.396 mg/kg (Trophic level weighted Mercury)	DEQ (PRO 2007)
ID17040209SK004L_0L	Lake Walcott (Snake River)	0.332 mg/kg (Trophic level weighted Mercury)	Bureau of Laboratories (Boise, ID)
ID17040211SK002L_0L	Lower Goose Creek Reservoir (Oakley Reservoir)	0.378 mg/kg (Trophic level weighted Mercury)	Lakes Mercury Data (Brooks Rand)-DEQ (May 2008)
ID17040220SK023L_0L	Mormon Reservoir	0.33 mg/kg (Trophic level weighted Mercury)	Bureau of Laboratories (Boise, ID)
ID17060208SL029_03	Sugar Creek - 3rd order (Cane Creek to mouth)	(9/21/2011) - 0.017 µg/L (5/18/2012) - 0.76 µg/L, (6/14/2012) - 0.1 µg/L (8/29/2012) - 0.02 µg/L, (11/7/2012) - 0.041 µg/L	USGS Laboratory (2011-12)
ID17040213SK007L_0L	Salmon Falls Creek Reservoir	EPA Approved TMDL	Salmon Falls Creek Subbasin TMDLS

Table 1 - Mercury Impaired Waters Listed in the Draft Integrated Report



Appendix Q. Response to public comments.

[To be inserted following the public comment period.]

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