

Physical Habitat Characterization

Stream Name:	May Cr.	Brown Cr.	L Lost Man Cr.	NF Lost Man Cr.	Lost Man Cr
Location:	50 m E Hwy 101	Upstream of Rd in RNP	Above Rd	Above trail	Above confluence of NF
Lat.:	41 21'0.13"	41 23' 18.33"	41 19'40.0"		
Long:	124 01' 28.89"	124 00' 59.73"	124 01' 29.7"		
Stream Class:	2	2	2	2	3
River Basin:	Redwood Cr.	Redwood Cr.	Redwood Cr.	Redwood Cr.	Redwood Cr.
Form Completed by:	T. Sepulveda	D. Ratcliff	D. Ratcliff	K. Grubb	K. Grubb
Date:	3/10/2001	3/10/2001	4/21/2001	4/21/2001	4/21/2001
Time:	1230	1030	1045	1200	1400
Weather					
Now	Clear/sunny	Clear/sunny	Clear/sunny	Clear/sunny	Clear/sunny
Air temperature (C)	16	14	10	10	12
Past 24 hr	Clear/sunny	Clear/sunny	Showers	Showers	Showers
Heavy rain past 7 days?	No	No	No	No	No
Stream Character					
Subsystem	Perennial	Perennial	Perennial	Perennial	Perennial
Origin	Glacial/mixed	Glacial/mixed	Glacial/mixed	Glacial/mixed	Glacial/mixed
Type	Coldwater	Coldwater	Coldwater	Coldwater	Coldwater
Watershed features					
Predominant land use	Forested	Forested	Forested	Forested	Forested
Local pollution	Highway 101	None	None	None	None
NPS pollution	Some erosion evident	None	None	Some erosion	Some erosion
Watershed erosion	Heavy in past	None	None	Some erosion	Some erosion
Instream features					
Reach length (m)	60	100	60	50	50
Stream width (m)	3	2.5	2.25	2.25	4
Sampling reach area (m ²)	180	250	135	112.5	200
Stream depth (m)	0.5	0.5	0.5	0.5	0.7
Surface vel (m/s)	0.3	0.5	0.5	0.5	0.7
Canopy cover	Partly shaded	Shaded	Shaded	Shaded	Partly shaded
High water mark (m)	1	1	1	1	2
% Riffle	10	20	30	20	40
% Pool	60	35	10	20	40
% Run	30	45	60	60	20
Channelized?	No	No	No	No	No
Dam present?	No	No	No	No	No
Large Wood Debris					
LWD (m ²)	7.5	1.5	0	10	10
Density (m ² /km ²)	292	150	150	200	200

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Stream Name:	May Cr.	Brown Cr.	L Lost Man Cr.	NF Lost Man Cr.	Lost Man Cr
Aq. Veg.	Rooted emergent	Attached algae	Attached algae	None	None
Water Quality					
Temp (C)	6.9	6	6	6	6
Sp. Cond. (uS/cm)	80	70	50	50	70
D.O.		10		-	
pH	8.1	8.2	7.9	7.8	7.9
Instrument name	Hannah	Hannah	Hannah	Hannah	Hannah
Odors	None	None	None	None	None
Surface oil	None	None	None	None	None
Turbidity	Stained, tannins	Clear	Clear	Stained, tannins	Clear
Sediment/Substrate					
Odors	None	None	None	None	None
Oils	None	None	None	None	None
Deposits	Silt	Silt	Silt	Sand	Sand
Bottom stones black?	No	No	No	No	No
Inorganic Substrates (%)					
Bedrock	0	5	0	0	5
Boulder	0	0	0	0	10
Cobble	15	30	60	10	40
Gravel	35	35	35	40	35
Sand	35	15	4	40	9
Silt	15	15	1	10	1
Clay	0	0	0	0	0
Organic Substrates (Yo)					
Detritus	10	5	5	10	3
Muck-Mud	0	0	0	0	0
Marl	0	0	0	0	0
Habitat Condition (0-20)					
Epifaunal substrate	15	17	17	15	12
Embeddedness	19	19	18	12	17
Velocityfdepthrigime	18	19	20	19	14
Sediment deposition	15	14	18	12	18
Channel flow status	18	16	19	18	20
Channel alteration	10	20	18	20	20
Frequency riffles	17	19	16	18	11
Bank stability (0-10)					
Left bank	9	10	10	10	10
Right bank	8	10	9	8	10
Veg protection (0-10)					
Left bank	9	9	10	10	10
Right bank	7	10	9	9	9
Riparian veg width (0-10)					
Left bank	9	10	10	10	10
Right bank	4	10	10	10	10
Habitat Score	158	183	184	171	171

Stream Name: May Creek
 Location: 50-100 m east of Hwy 101
 Lat.: 41 21' 0.13"
 Long: 124 01' 28.89"

Fish Data

Sampling Backpack E-fish Block net?
 Start time 1200 No
 End time 1230
 Duration (min) 30

Fish Species

Oncorhynchus spp.	Cut O. clarki	Cow O. kisutch	Stk O. mykiss	PGS D. tenebrosus
Number	Number	Number	Number	Number
18	6	34	1	1
FL (mm)	FL (mm)	FL (mm)	FL (mm)	FL (mm)
77	143	93	195	89
107	124	74		
84	218	104		
103	147	55		
72	120	85		
78	154	93		
71		78		
78		89		
78		66		
85		88		
65		92		
80		105		
80		56		
109		74		
125		105		
73		66		
91		71		
105		73		
		60		
		62		

Average 86.7 151.0 79.5 195.0 89.0
 S.D. 16.3 35.4 16.2
 Deform. 1 0 0 0 0
 Parasite 1 0 0 0 0

Stream Name: Browns Creek
 Location: Upstream of Rd in RNP
 Lat.: 41 23' 18.33"
 Long: 124 00' 59.73"

Fish Data

Sampling Backpack E-fish Block net?
 Start time 1200 NO
 End time 1230
 Duration (min) 30

Fish Species

Oncorhynchus spp.	O. clarki	O. kisutch	PGS D. tenebrosus
Number	Number	Number	Number
4	6	1	7
FL (mm)	FL (mm)	FL (mm)	FL (mm)
62	145	91	90
73	125		72
68	125		77
55	76		72
	75		65
	91		60
			65

64.5 106.2 91.0 71.6
 7.8 29.4 9.9
 0 0 0 0
 0 0 0 0

Stream Name: Little Lost Man Cr.

Location: Upstream of Rd in RNP

Lat.: 41 19' 40"

Long. 124 01' 29.7"

Fish Data

Sampling Backpack E-fish

Start time 1100

End time 1130 30 Block net?

Duration (min) 30 yes

Fish Species

Oncorhynchus spp.	O. mykiss	O. tenebrosus	
Number	Number	Number	
1	10	10	
FL (mm)	FL (mm)	FL (mm)	
27	84	65	
	105	68	
	98	130	adult
	130	110	
	85	95	
	90	85	
	90	55	
	145	55	
	85	27	
	80	130	adult

Stream Name: NF Lost Man Cr.

Location: Upstream of Trail

Lat.:

Long

Fish Data

Sampling Backpack E-fish

Start time 1220

End time 1245 Block net?

Duration (min) 25 yes

Fish Species

O. clarki	O. tshaw-ytscha	O. tenebrosus	A. truci
Number	Number	Number	Number
4	3	8	5
FL (mm)	FL (mm)	FL (mm)	FL (mm)
85	35	55	
58	32	55	
155	33	43	
38		24	
		70	
		35	
		40	
		22	

Average

S.D.

Deform.

Parasite

27.0

99.2

82.0

21.7

34.2

0

0

1

0

0

0

84.0

33.3

43.0

51.1

1.5

16.4

0

0

0

Stream Name: ~~East Man Cr.~~

Location: Above confluence with NF

Lat.:

Long:

Fish Data

Sampling Backpack ~~fish~~

Start time 1400

End time 1430

Block net?

yes

Duration (min) 30

Fish Species

~~Oncorhynchus~~ spp.	~~O. clarki~~	~~O. kisutch~~	~~O. tshawytscha~~ (amm)
Number	Number	Number	Number
3	1	3	3
FL (mm)	FL (mm)	FL (mm)	FL (mm)
82	195	83	
70		102	
66		86	

Average

72.7

195.0

90.3

S.D.

8.3

10.2

Defomi.

0

0

0

Parasite