



Fax Cover Sheet

To: Larry Preston - CDFG

Fax# 822-2855

From: David Anderson

Voice# (707) 464-6101 ext. 5271

Fax# (707) 464-1812

Number of pages to follow: 14

—COWO—

LOST MAN CREEK - 10/17/95

David Anderson

822-7611 x 5271

REDWOOD CREEK BASIN BARRIER FISH SURVEY - SUMMER/FALL 1995

TRIBUTARY: LOST MAN CREEK		DATE: 10-17-95 10/18/95	I-DATE 290,291	PAGE 1 OF 4
(CIRCLE) ABOVE OR <u>BELOW</u> BARRIER				
CREW: D. Anderson, M. Beave, Stacy Sautu 10/17/95 D. Anderson, M. Beave, Eddie Childers 10/18/95 10/19 - Beave & Anderson		TIME IN: 10:15 am 10/17/95 10/18 10:00 TIME OUT: 4:15 ~ 4:30 pm		
TEMPERATURE: HOBO TEMP SN #:		THERMOMETER: AIR: 13.5 °C 10/18/95		
TIME IN: 11 am 10/17/95		WATER: 12.0 °C		
TIME OUT: ~ 3:30 10/19/95		TIME: 1:31 pm		
STREAM FLOW: SEE FORM - flow taken on 10/19/95				
BARRIER DESCRIPTION AND OTHER NOTES: 10/17/98 - ~0.8 mile from gate at Picnic Grounds. (14 DEAD FISH AT END OF DAY) Immediately above smaller log jam that is not a barrier old growth & alder on both sides of stream. - Pool 1 - Riffle 2 - Pool 3 - contiguous 10/18/95 N.S. Trib 14 meters Down stream ← Pool 1 Riffle 2 Pool 3 220.2 meters Pool 4 112.3 meters Pool 5 Riffle 6 → upstream				
10/18 27 dead fish @ end of day				
10/19 - flow measurements				

REDWOOD CREEK BASIN BARRIER FISH SURVEY - SUMMER/FALL 1995 DATA (CONTINUED)

TRIBUTARY: <u>LOST MAN CREEK</u>						ABOVE OR <u>(BELOW)</u> BARRIER (drde)			DATE: <u>10/17/95</u>			PAGE: <u>20 of 4</u>		
ELECTROFISHING: <u>800V 90 Hz</u>														
SUBSECTION NAME/NO.: <u>1</u>						LENGTH OF SUBSECTION: <u>13.6</u> M						HABITAT: <u>POOL</u>		
PASS 1 TIME: <u>300</u> seconds					PASS 2 TIME: <u>?</u> seconds					(PASS 3) TIME: <u>no 3rd pass</u> seconds				
SPECIES			NUMBER			SPECIES			NUMBER			TOTAL		
<u>COHO</u>			<u>5</u>			<u>COHO</u>			<u>4</u>			<u>9</u>		
<u>SHD</u>			<u>13</u>			<u>SHD</u>			<u>16</u>			<u>29</u>		
<u>PGS</u>			<u>1</u>			<u>PGS</u>			<u>2</u>			<u>3</u>		

species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)
<u>PGS</u>	<u>130</u>	<u>70.1</u>	<u>SHD</u>	<u>64</u>	<u>3.0</u>	<u>SHD</u>	<u>52</u>	<u>1.6</u>	<u>SHD</u>	<u>56</u>	<u>2.1</u>			
<u>COHO</u>	<u>78</u>	<u>6.7</u>		<u>56</u>	<u>2.0</u>		<u>47</u>	<u>1.5</u>	<u>COHO</u>	<u>76</u>	<u>5.1</u>			
<u>COHO</u>	<u>82</u>	<u>6.3</u>		<u>53</u>	<u>1.7</u>		<u>54</u>	<u>1.8</u>	<u>SHD</u>	<u>56</u>	<u>2.0</u>			
<u>COHO</u>	<u>65</u>	<u>2.9</u>		<u>51</u>	<u>1.5</u>		<u>50</u>	<u>1.5</u>		<u>50</u>	<u>1.3</u>			
<u>SHD</u>	<u>66</u>	<u>3.9</u>		<u>54</u>	<u>1.9</u>	<u>SHD</u>	<u>48</u>	<u>1.2</u>	<u>SHD</u>	<u>55</u>	<u>1.9</u>			
<u>COHO</u>	<u>63</u>	<u>3.4</u>		<u>43</u>	<u>1.1</u>	<u>COHO</u>	<u>53</u>	<u>2.1</u>	<u>PGS</u>	<u>31</u>	<u>1.4</u>			
<u>COHO</u>	<u>67</u>	<u>4.2</u>	<u>SHD</u>	<u>49</u>	<u>1.3</u>	<u>SHD</u>	<u>54</u>	<u>1.8</u>	<u>END</u>					
<u>SHD</u>	<u>65</u>	<u>2.0</u>	<u>PASS 2</u>				<u>51</u>	<u>1.6</u>						
<u>SHD</u>	<u>61</u>	<u>2.6</u>	<u>PGST</u>	<u>120</u>	<u>48</u>		<u>78</u>	<u>5.4</u>						
<u>SHD</u>	<u>50</u>	<u>1.6</u>	<u>SHD</u>	<u>64</u>	<u>3.3</u>		<u>47</u>	<u>1.2</u>						
<u>SHD</u>	<u>49</u>	<u>1.6</u>	<u>COHO</u>	<u>74</u>	<u>6.1</u>		<u>56</u>	<u>2.1</u>						
<u>SHD</u>	<u>57</u>	<u>2.0</u>	<u>COHO</u>	<u>64</u>	<u>3.6</u>	<u>SHD</u>	<u>55</u>	<u>1.6</u>						

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RRDWOOD CREEK BASIN BARRIER FISH SURVEY - SUMMER/FALL 1995 DATA (CONTINUED)

TRIBUTARY: <u>LOST MAN CREEK</u>						ABOVE OR <u>BELOW</u> BARRIER (circle)						DATE: <u>10/17/95</u>		PAGE <u>308/4</u>						
ELECTROFISHING: <u>800 V 90 HZ</u>																				
SUBSECTION NAME/NO.: <u>2</u>				LENGTH OF SUBSECTION: <u>6.5</u> M				HABITAT: <u>Riffle</u>												
PASS 1 TIME: <u>59</u> seconds				PASS 2 TIME: _____ seconds				<u>PASS</u> TIME: <u>no 3rd pass</u> seconds												
SPECIES			NUMBER			SPECIES			NUMBER			SPECIES			NUMBER			TOTAL		
<u>PGS</u>			<u>3</u>			<u>PGS</u>			<u>9</u>									<u>12</u>		
<u>SHD</u>			<u>0</u>			<u>SHD</u>			<u>1</u>									<u>1</u>		
species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)			
<u>PGS</u>	<u>40</u>	<u>2.7</u>	<u>PGS</u>	<u>36</u>	<u>1.9</u>															
<u>PGS</u>	<u>37</u>	<u>2.3</u>	<u>PGS</u>	<u>36</u>	<u>2.0</u>															
<u>PGS</u>	<u>40</u>	<u>2.5</u>	<u>-END-</u>																	
<u>- PASS 2 -</u>																				
<u>SHD</u>	<u>51</u>	<u>1.4</u>																		
<u>PGS</u>	<u>35</u>	<u>2.3</u>																		
	<u>48</u>	<u>4.1</u>																		
	<u>51</u>	<u>5.6</u>																		
	<u>41</u>	<u>3.0</u>																		
	<u>41</u>	<u>2.6</u>																		
	<u>40</u>	<u>2.7</u>																		
<u>PGS</u>	<u>38</u>	<u>2.0</u>																		

Larvae

snout-vent

- Pteronarcis (SP) - stonefly nymph

REDWOOD CREEK BASIN BARRIER FISH SURVEY - SUMMER/FALL 1995 DATA (CONTINUED)

TRIBUTARY: LOST MAN CREEK						ABOVE OR <u>BELOW</u> BARRIER (circle)			DATE: 10/17/95			PAGE 4 OF 14			
ELECTROMFISHING: 800 HZ 90HZ															
SUBSECTION NAME/NO.: 3					LENGTH OF SUBSECTION: 29.2 M					HABITAT: POOL					
PASS 1 TIME: 826 seconds				PASS 2 TIME: 968 seconds				PASS 3 TIME: no 3rd pass seconds							
SPECIES			NUMBER		SPECIES			NUMBER		SPECIES			NUMBER		TOTAL
COND			30		COND			23							53
SHD			36		SHD			24							60
CUT			3		CUT			1							4
Ammocete			2		AMMOCEYE			2							4
PGS					PGS			4							5

species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)
COND*	62	3.1	COND	67	4.0	SHD	54	2.1	COND	80	6.2	SHD	57	2.8
COND*	71	3.9	CUT	164	46.8	COND	75	5.0	SHD	52	1.9	COND	72	5.2
COND*	78	6.4	SHD	64	3.1	SHD	67	4.6	SHD	61	3.0	COND	70	4.0
SHD	62	1.5	SHD	63	2.8	SHD	60	2.4	SHD	46	1.4	COND	71	4.5
COND	73	3.7	COND	62	2.8	SHD	67	3.6	COND	70	4.7	COND	75	4.8
COND	60	2.6	SHD	76	6.1	SHD	50	1.3	SHD	72	4.4	COND	64	3.6
COND	58	2.5	CUT	111	13.6	SHD	57	2.1	SHD	51	1.7	COND	55	2.1
COND	60	3.0	COND	62	3.1	SHD	53	1.8	SHD	47	1.4	SHD	70	3.5
COND	55	2.2	COND	68	3.6	COND	58	2.6	SHD	50	1.7	SHD	60	2.7
COND	76	6.4	COND	66	4.2	CUT	127	20.9	COND	62	2.8	SHD	54	1.8
COND	58	3.8	COND	78	6.7	SHD	56	2.7	SHD	52	1.7	SHD	58	2.3
SHD	44	1.0	SHD	55	2.4	COND	83	6.7	SHD	52	1.7	SHD	43	1.2

* mortality

(OVER)

REDWOOD CREEK BASIN FISH BARRIER SURVEY - SUMMER/FALL 1995 DATA (CONTINUED)

TRIBUTARY: <u>WEST MAN CREEK</u>									ABOVE OR <u>BELOW</u> BARRIER (drde)			DATE: <u>10-17-95</u>		PAGE <u>5</u> OF <u>14</u>	
ELECTROFISHING CONTINUED: SUBSECTION NAME/NO: <u>3 POOL</u>															
species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)	
END	48	1.4	LARVAE AMMO	100	1.6	SHO	50	1.5	COHO	79	5.9	CUT	121	17.3	
COHO	63	3.2	LARVAE AMMO	79	0.9	SHO	141	29.7	COHO	62	3.2	SHO	87	7.0	
SHO	50	1.9	- PASS 2 -			COHO	89	9.4	SHO	59	2.4	SHO	65	3.3	
COHO	64	3.0	PGS	135	106.3		65	3.5		73	5.4	COHO	69	4.7	
SHO	79	5.4	SHO	55	1.9		64	3.2	SHO	58	1.9	SHO	52	1.7	
SHO	56	2.7	SHO	48	1.8		70	4.6	COHO	72	4.4		52	2.3	
SHO	48	1.4	SHO	45	1.5	COHO	77	6.4		73	5.0	SHO	58	2.4	
END	57	2.1	COHO	63	3.6	SHO	65	2.7		59	3.0	LARVAE AMMO	122	3.2	
SHO	60	2.6		71	5.0	COHO	64	3.5		67	3.4	PLS	33	1.5	
PGS	37	2.4	COHO	69	3.7	COHO	61	3.2	COHO	72	5.0	PLS	65	11.3	
SUBSECTION NAME/NO:															
species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)	
SHO	71	3.4	COHO	72	4.7	LARVAE AMMO	147	5.2							
COHO	72	5.5	SHO	51	2.1	- END -									
	93	11.5		62	2.9										
	70	3.9		49	1.4										
COHO	78	6.3		45	0.9										
SHO	152	35.9		55	1.9										
SHO	51	1.7	SHO	52	1.6										
SHO	50	1.6	PGS	40	2.7										

REDWOOD CREEK BASIN BARRIER FISH SURVEY - SUMMEWALL 1995 DATA (CONTINUED)

TRIBUTARY: <u>LOST MAN CREEK</u>			ABOVE OR <u>BELOW</u> BARRIER (circle) (circle)			DATE: <u>12/18/95</u>			PAGE <u>6</u> OF <u>14</u>			
ELECTROFISHING: <u>800 V 90 HZ</u> (not contiguous w/ 1-2-3)												
SUBSECTION NAME/NO.: <u>4</u>			LENGTH OF SUBSECTION: <u>14.9 M</u>			HABITAT: <u>POOL</u>						
PASS 1 TIME: <u>567</u> seconds			PASS 2 TIME: <u>586</u> seconds			PASS 3 TIME: <u>no pass 3</u> seconds						
SPECIES		NUMBER	SPECIES		NUMBER	SPECIES		NUMBER	SPECIES		NUMBER	TOTAL
SHO		23	SHO		6							29
COHO		25	COHO		8							33
CUT		1	CUT		0							1
PGS		1	PGS		0							1
AMMOCETE		1	AMMOCETE		1							2

species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)
SHO	78	5.6	COHO	74	5.5	SHO	56	2.1	SHO	65	3.6	SHO	55	2.1
COHO	64	3.6	SHO	49	1.6	SHO	53	1.9	CUT	45	7.7	AMMO	118	3.1
SHO	57	1.2	COHO	58	2.8	SHO*	89	8.6	COHO	66	3.6	PGS	153	78.0
COHO	55	2.0		69	3.8	SHO	54	1.9	COHO	66	4.1	PASS 2		
SHO	54	2.2		81	6.5	COHO	59	2.7	COHO	60	3.0	SHO	77	5.8
COHO	72	5.2		64	3.7		66	4.1	SHO	55	1.8	SHO	49	1.4
COHO	65	3.3		76	6.4	↓	67	3.5		125	21.0	COHO	65	3.6
COHO	73	4.7		70	5.1	SHO	49	1.4		54	2.1	COHO	67	3.5
COHO	79	5.7		68	4.2		71	4.2		72	4.3	COHO	67	3.5
COHO	65	3.6		62	3.1		60	3.2	↓	72	4.6	COHO	68	4.6
SHO	58	1.7		48	1.2		64	3.4	COHO	68	4.0	COHO	82	8.0
SHO	81	6.4	✓	56	2.5	✓	54	1.9	SHO	55	2.0	SHO	53	1.7

* MORTALITY

(over)

11 06/01 10:16 7074886485 SOUTH OPERATIONS 2008

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REDWOOD CREEK BASIN BARRIER FISH SURVEY - SUMMER/FALL 1995 DATA (CONTINUED)

TRIBUTARY: LOST MAN			ABOVE OR <u>BELOW</u> BARRIER (circle)			DATE: 10/18/95			PAGE 5 OF 14					
ELECTROFISHING: 800 ✓ 90hz (NOT CONTIG w/ 1-2-3) or (4)														
SUBSECTION NAME/NO.: 5 LENGTH OF SUBSECTION: 26.9 M HABITAT: POOL														
PASS 1 TIME: 961 seconds				PASS 2 TIME: 700 seconds				PASS 3 TIME: no 3rd pass seconds						
SPECIES			NUMBER			SPECIES			NUMBER			TOTAL		
COHO			23			COHO			4			27		
SHD			43			SHD			7			50		
CUT			1			CUT			0			1		
PGS			6			PGS			0			6		
AMMO			2			AMMO			0			2		
species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)
COHO	75	5.6	COHO	81	7.1	SHD	62	2.5	SHD	61	2.6	SHD	65	3.2
↓	92	11.6	↓	85	8.8	↓	47	1.3	↓	75	6.5	↓	71	4.0
↓	63	3.3	↓	61	3.0	↓	69	3.8	↓	51	1.9	↓	52	1.7
↓	75	5.5	↓	66	3.8	↓	58	2.5	↓	53	1.8	↓	54	2.0
↓	72	5.1	SHD	77	5.2	↓	59	2.5	↓	50	1.6	↓	74	5.6
↓	73	5.6	↓	68	4.6	COHO	79	5.7	↓	48	1.3	↓	87	8.0
↓	62	3.3	COHO	60	2.9	↓	80	6.7	COHO	80	6.9	↓	55	2.1
↓	76	6.0	SHD	66	3.0	↓	63	3.7	↓	89	7.8	COHO	69	4.2
↓	64	3.4	↓	52	1.7	↓	65	3.7	↓	66	3.8	SHD	52	2.1
SHD	54	2.4	↓	55	2.5	↓	77	6.5	SHD	59	2.1	↓	58	2.5
SHD	63	3.2	↓	55	1.9	SHD	60	3.1	↓	48	1.2	↓	63	2.8
↓	51	1.7	↓	57	2.0	↓	59	2.9	↓	58	2.7	↓	51	1.7

(over)

REDWOODCREEK BASINBARRIER FISH SURVEY - SUMMER/FALL 1995 DATA (CONTINUED)

TRIBUTARY: <u>LOST MAN CREEK</u>				ABOVE OR <u>BELOW</u> BARRIER (drde)				DATE: <u>10/18/95</u>				PAGE <u>10</u> OF <u>14</u>					
ELECTROFISHING: <u>800V 90HZ</u> <u>contiguous w/ pool #5</u>																	
SUBSECTION NAME/NO.:				LRNCH OF SUBSECTION:				M HABITAT: <u>Riffle</u>									
27 PASS 1 TIME: _____ seconds				14 PASS 2 TIME: _____ seconds				PASS 3 TIME: _____ seconds									
SPECIES			NUMBER			SPECIES			NUMBER			SPECIES			NUMBER		
SHO			23			SHO			7						30		
COHO			0			COHO			1						1		
AMMO			1			AMMO			1						32		
PGS			2			PGS			6						88		
CUT			1			T Frog			1						1 X		
species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)	species	FKL (mm)	WT (g)
SHO	75	5.6	AMMO	121	3.0	SHO	56	2.0	SHO	74	5.6						
1	59	2.5	SHO	53	1.6	SHO	70	4.6	PGS	82	20.7						
SHO	58	2.8		55	1.4	PGS	34	1.8	PGS	38	2.3						
CUT	73	4.9		53	2.0	STONE	-	0.7		51	5.6						
SHO	62	3.3		66	3.2	-	PGS	2.0		53	5.4						
	120	19.4		70	4.0	SHO	60	2.5		40	2.6						
	68	4.3		68	4.4	SHO	93	8.9	AMMO	116	2.0						
	57	1.9		158	39.4	SHO	70	4.6	T Frog	42	0.9						
	61	3.6		46	1.0	COHO	93	9.7	PGS	120	56.8						
	59	2.4	SHO	61	2.5	SHO	56	1.9	- END -								
	62	2.8	PGS	46	4.1	SHO	53	1.7									
SHO	86	7.7	SHO	59	2.8	SHO	65	2.8									

REDWOOD CREEK BASIN FISH BARRIER SURVEY - SUMMER/FALL 1995 DATA (CONTINUED)

TRIBUTARY: LOST MAN CREEK				ABOVE OR <u>BELOW BARRIER</u> (circle)		DATE: 10/17/95		PAGE // OF 14	
HABITAT MEASUREMENT									
SUBSECTION NAME/NO: #1/POOL					SUBSECTION NAME/NO: #2/RIFLE				
LENGTH (m)		13.6			LENGTH (m)		6.5		
WIDTH (m)		1. 3.4	2. 3.3	3. 4.9	WIDTH (m)		1. 3.3	2. 3.2	3. 3.5
DEPTH (m)		.29	.55	.15	DEPTH (m)		.12	.11	.12
		.30	.37	.25			.13	.11	.10
		.17	.25	.26			.05	.01	.02
MAX DEPTH		0.62			MAX DEPTH		✓		
RESIDUAL Z		.62 - .29 = .33			RESIDUAL Z		✓		
NOTES: SUBSECTIONS 1-3 ARE CONTIGUOUS									
SUBSECTION NAME/NO: #3/POOL					SUBSECTION NAME/NO: Pool #4				
LENGTH (m)		29.2			LENGTH (m)		14.9		
WIDTH (m)		1. 4.7	2. 3.5	3. 6.4	WIDTH (m)		1. 3.4	2. 5.1	3. 4.6
DEPTH (m)		.66	.89	.49	DEPTH (m) It is meters tan		.37	0.30	0.17
		.56	.71	.70			.46	0.51	0.20
		.21	.40	.40			.46	0.40	0.32
MAX DEPTH		0.99			MAX DEPTH		.64		
RESIDUAL Z		.99 - .08 = .91			RESIDUAL Z		.64 - .18 = 0.46		
NOTES:					NOTES: upstream of series 1-2-3 by meters, 220.2 meters Upstream of north side tributary to Lost Man = 14 meters upstream of trib				

2
13.6
6.5
29.2
14.9
54.2

5
18
10

REDWOOD CREEK BASIN FISH BARRIER SURVEY - SUMMEWALL 1995 DATA (CONTINUED)

TRIBUTARY: <u>LOST MAN</u>				ABOVE OR <u>BELOW</u> BARRIER (circle)		DATE: <u>10/13/95</u>		PAGE <u>12</u> OF <u>14</u>	
HABITAT MEASUREMENT									
SUBSECTION NAME/NO: <u>5 POOL</u>					SUBSECTION NAME/NO: <u>6 Riffle</u>				
LENGTH (m)		<u>26.9</u>			LENGTH (m)		<u>20.5</u>		
WIDTH (m)		<u>1. 7.6</u>	<u>2. 5.7</u>	<u>3. 5.1</u>	WIDTH (m)		<u>1. 3.4</u>	<u>2. 3.1</u>	<u>3. 3.7</u>
DEPTH (m)		<u>0.0</u>	<u>0.44</u>	<u>0.23</u>	DEPTH (m)		<u>0.05</u>	<u>0.05</u>	<u>0.0</u>
		<u>0.28</u>	<u>0.70</u>	<u>0.45</u>			<u>0.08</u>	<u>0.10</u>	<u>0.08</u>
		<u>0.33</u>	<u>0.71</u>	<u>0.48</u>			<u>0.08</u>	<u>0.11</u>	<u>0.21</u>
MAX DEPTH		<u>.83 m</u>			MAX DEPTH				
RESIDUAL Z		<u>.73 m</u>			RESIDUAL Z				
NOTES: <u>5 & 6 are contiguous</u> <u>upstream of Pool 4 by 12.3 meters</u>					<u>5 & 6 are contiguous</u>				
SUBSECTION NAME/NO:					SUBSECTION NAME/NO:				
LENGTH (m)					LENGTH (m)				
WIDTH (m)		<u>1.</u>	<u>2.</u>	<u>3.</u>	WIDTH (m)		<u>1.</u>	<u>2.</u>	<u>3.</u>
DEPTH (m)					DEPTH (m)				
MAX DEPTH					MAX DEPTH				
RESIDUAL Z					RESIDUAL Z				
NOTES:					NOTES:				

014

8-275-F
(May 1971)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
DISCHARGE MEASUREMENT NOTES

Meas. No.
Comp. by
Checked by

LOST MAN CREEK (BELOW) but above the falls & rapids
10/19 1995 Party ANDERSON / BEEVE

Method PYGMY NO. sec. 240 C. H. change in hrs. Susp.

GAGE READINGS				Type of meter <u>PYGMY</u>
Date	Recorder	Inside	Outside	
				Date rated for rod, other.
				Meter ft. above bottom of weight.
				Spin before meas. after ..
				Meas. plots % diff. from rating
				<u>Wading</u> , cable, ice, boat, upstr., downstr., side
				bridge feet, mile, above, below
				gage, rod
				Check-bar, found
				changed to at
				Correct
				Levels obtained

Weight M. G. H.
G. H. correction
Correct M. G. H.

Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%), based on following conditions: Cross section good, X-section = least net slot of flow

Flow Weather
Other Air °F @
Gage Water °F @
Record removed Intake flushed

Observer Peak information
Control check each visit

Remarks m
CSG
Well HWM
C. H. of zero flow ft. Outside HWM's

page 14 of 14

Angle of sight	Dist. from initial point	Width	Depth	Re- ad- ings	Time in sec- onds	VELOCITY		Adjusted for hor. angle or	Area	Discharge
						At point	Mean in ver- tical			
	0.5	0.5	.1	X	0	40				
	1.0	0.5	.1	X	0	40				
	1.5	0.5	.2	X	0	40				
	2.0	0.5	.3	25	9	435				
	2.5	0.5	.3	18	11	428				
	3.0	0.5	.4	15	9	407				
	3.5	0.5	.5	13	15	420				
	4.0	0.5	.5	13	14	425				
	4.5	0.5	.3	12	17	412				
	5.0	0.5	.4	25	17	406				
	5.5	0.5	.5	13	28	406				
	6.0	0.5	.3	12	18	413				
	6.5	0.5	.3	12	24	466				
	7.0	.2	.2	X	21	415				
0	7.3	2	.1		0	40				

RNP Picnic grounds gage = 2.50 ft ab. 5:05 pm

0.6 sec 1/2 way down if possible, otherwise *

* set at bottom of staff gage = 1.5 lowest if any

11/06/01 13:16

07074886485

SOUTH OPERATIONS

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