APPENDIX B:

Acres Harvested On Erosive Soils

Sub-Shed	PSub	1910	1920	1930	1940	1950	1960	1970	1980	1990	Total
17-1	174	0	0	0	0	13.56	225.8	27.74	44.91	97.36	409.32
	175	0	0	0	0	0	2.53	56.53	0	3.96	63.02
	176	0	0	0	0	0	0	4.12	0	0	4.12
	177	0	0	0	0	0	0	0	12.74	40.58	53.32
	178	0	0	2.66	0	0	0	0	0	0	2.66
	17A	0	0	0	0	226.52	132.6	19.4	84.86	0	463.42
	17B	0	0	0	0	0	99.97	134.2	190.23	0	424.4
	17C	0	0	0	0	0	109.2	69.5	82.68	0	261.38
	17D	0	0	0	0	0	0	0	0	0	0
	Total	0	0	2.66	0	240.08	570.1	311.5	415.42	141.9	1681.64
17-2	171	0	0	0	0	23.87	59.31	46.57	46.08	0	175.83
	17P	0	0	0	0	0	0	0	0	0	0
	17Q	0	0	0	0	0	0	0	0	0	0
	17R	0	0	0	18.65	0	21.38	63.02	25.68	6.14	134.87
	17S	0	0	0	234.55	16.21	14.58	76.19	37.13	0	378.66
	17T	0	0	0	6.57	44.06	137.8	0	0	10.92	199.35
	17U	0	0	0	0	0	148	174	230.74	0	552.68
	17V	0	0	0	0	0	62.05	38.59	114.3	0	214.94
	17W	0	0	0	0	7.06	41.4	1.08	121.3	0	170.84
	17X	0	0	0	0	7.04	18.95	0	91.92	50	167.91
	17Y	0	0	0	0	0	0	2.67	3.44	0	6.11
	17Z	0	0	0	0	0	32.33	35.18	106.2	0	173.71
	Total	0	0	0	259.77	98.24	535.8	437.3	776.79	67.06	2174.9
17-3	179	0	0	0	70.42	162.35	201.6	217.5	174.94	0	826.82
	17J	0	0	0	0	0	0	0	0	0	0
	17K	0	0	0	0	0	0	1.12	0	0	1.12
	17L	0	0	0	19.99	0	0	39.94	31.96	0	91.89
	17M	0	0	0	35.58	169.7	392.4	238	155.8	11.63	1003.15
	17N	0	0	0	0	35.32	44.6	203.1	276.5	22.72	582.27
	17P	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	125.99	367.37	638.6	699.7	639.2	34.35	2505.25
17-4	179	0	0	0	0	0	0	0	0	0	0
	17H	0	0	0	0	218.06	124.9	38.9	137.64	0	519.51
	17I	0	0	0	0	42.72	13.52	64.6	54.79	0	175.63
	17J	0	0	0	0	184.27	90.26	261.7	122	0	658.23
	17P	0	0	0	1.53	0	2.06	0	5.46	0	9.05
	Total	0	0	0	1.53	445.05	230.8	365.2	319.89	0	1362.42
17-5	172	0	0	0	0	0	0	0	0	0	0
	173	0	0	0	0	44.85	1.06	0	8.05	0	53.96
	17D	0	0	0	0	0	54.34	93.37	101.1	0	248.81
	17E	0	0	0	0	6.74	41.21	57.26	33.98	0	139.19
	17F	0	0	0	0	0	0	0	0	0	0
	17G	0	0	0	0	10.87	196.2	22.02	208.1	0	437.19
	17H	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	62.46	292.8	172.7	351.23	0	879.15

Sub-Shed	PSub	1910	1920	1930	1940	1950	1960	1970	1980	1990	Total
24-1	24A	0	0	0	0	0	0	0	16.87	0	16.87
	24B	0	0	0	0	0	0	0	0	0	0
	24C	0	0	0	0	0	0	0	0	0	0
	24D	0	0	0	0	0	0	0	4.31	0	4.31
	24E	0	0	0	0	0	0	0	0	0	0
	24F	0	0	0	0	0	0	0	0	0	0
	24P	0	0	0	0	0	0	0	0	0	0
	24S	0	0	0	0	0	0	0	0	0	0
	24T	0	0	0	0	0	0	0	8.35	22.98	31.33
	24U	0	0	0	0	0	0	0	68.06	0	68.06
	24V	0	0	0	0	0	39.42	0	226.57	37.64	303.63
	24W	0	0	0	0	0	0	4.33	30.39	2.63	37.35
	Total	0	0	0	0	0	39.42	4.33	354.55	63.25	461.55

APPENDIX C:

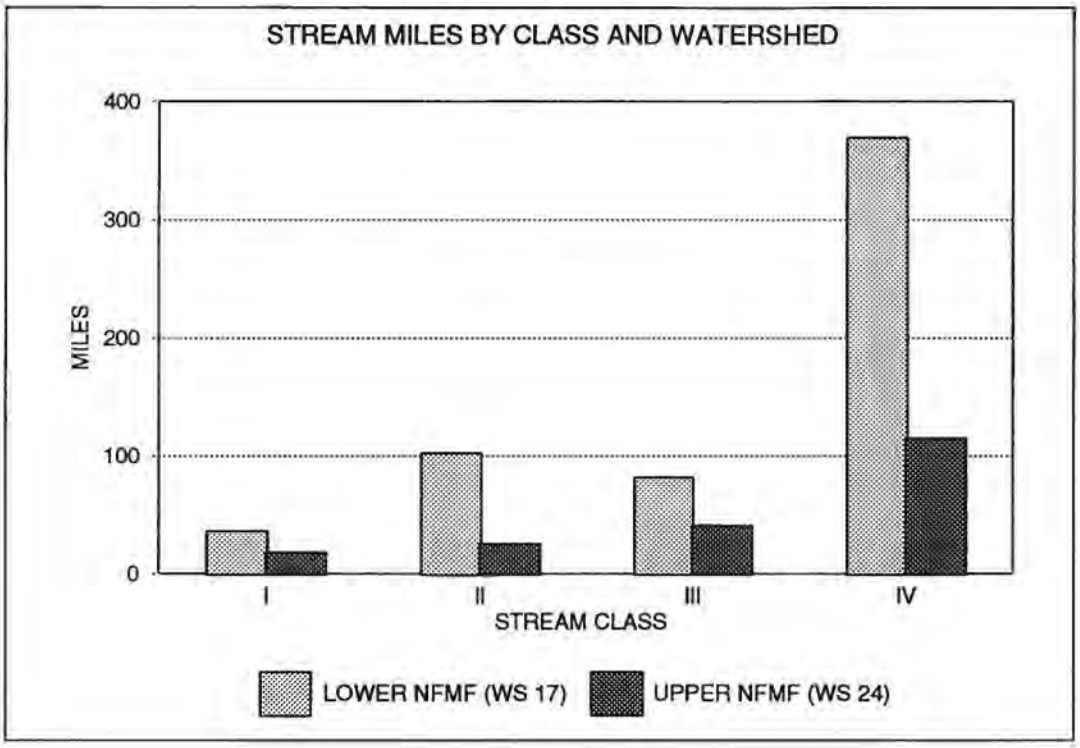
Slide Occurrence Inventory

Sub-Shed	PSub	#	Location Legal	Type	SRI	Affected Drainage	Photo Year	Elev.	Road #	Remarks
17-1	17A	8	20-3-33 NW/NE	R	15				19	
	176	11	20-4-30 SW/SE	R	212				2409-208	Cut Failure
	17C	19	20-3-26 NE/NW	R	15	NFMF			19	MP 5.35 Fill Failure
	17A	20	20-3-28 NE/SW	R	25				1910	MP 2.9 Fill Failure
	17C	21	20-3-22 SE/SW	R	201				1912	MP 2 Cut/Fill Failure
	17C	22	20-3-22 SW/SE	R	235				1912-501	Cut Failure
	17B	28	20-3-28 NW/NE	R	335				1910	Fill Failure
	17C	29	20-3-26 NE/NE	R	3				19	MP 5.22 Cut Failure
	17A	41	20-3-32 SW/SW	RDS	21	W of Short Cr	59	2800	5828-687	
	17A	42	20-3-32 NW/SW	RDS	21	W of Short Cr	59	2800	5828-687	
	17A	43	20-3-32 NW/SW	RDS	21	W of Short Cr	59	2800	5828-687	
	17A	44	20-3-32 NW/NW	RDS	21	W of Short Cr	59	2800	5828-687	
	17A	45	20-3-32 NW/NW	RDS	201S	W of Short Cr	59	2800	5828-687	
	17A	46	20-3-30 NE/SE	RDS	201	Short Cr Trib	67	2800	5828-687	
	17A	47	20-3-19 SW/NE	RDS	201	Short Cr	67	3200	5828-683	
	17B	48	20-3-19 NE/NE	RDS	25	Dartmouth Cr	67	3200	1910	
	17B	49	20-3-20 SW/NE	RDS	212	Dartmouth Cr	67	2800	1910	
	17B	50	20-3-20 SW/NE	RDS	212	Dartmouth	67	2800	1910	
	17A	51	20-3-28 NW/SE	RDS	201	NFMF	67	2200	1910	
	17B	52	20-3-28 SE/SE	RDS	201	NFMF	59	1600	1910	
	17B	53	20-3-28 NE/SE	RDS	201	NFMF	59	1600	1910	
	177	54	20-3-23 SW/SE	R	616		55		19	Cut Failure
17-2	17Q	9	19-4-30 NE/SE	R	235	NFMF	1972		19	MP 13 Cut Failure
	17Q	10	19-4-29 NW/SW	R	235	NFMF	1983		1926	Camp-5 Slide
	17Z	15	19-4-33 NE/NW	R	35		1974		1930	Fill Failure
	17Z	16	20-4-4 NW/NE	R	602				1928-706	Cut Failure
	17X	17	20-4-2 SE/SW	R	602				1930	Cut Failure
	17S	18	19-5-29 SW/NE	R	162				1940	Fill Failure
	171	30	20-4-4 SW/NE	R	602				1928-711	Cut Failure

Sub Shed	PSub	#	Location Legal	Type	SRI	Affected Drainage	Photo Year	Elev.	Road #	Remarks
17-2	17V	34	20-5-8 NE/NW	RDS	73				1934-736?	Fill Failure
	17T	36	19-5-28 SW/NW	R	162				1940	MP 0.8 Fill Failure
	17Q	67	19-4-21 SW/SW	RDS	610		59	2400	1926	
	17Q	68	19-4-28 NW/SW	RDS	3		67	2400	1926	
17-3	17L	26	19-4-12 NW/SE	R	23		1977		1927	MP 3/9 Fill Failure
	17N	27	19-5-10 SW/NE	R	602		1979		1927-703	Cut Failure
	179	70	19-5-20 NW/NE	RDS	61	Grassy Cr	59	3600	1929	Ravel +
17-4	17P	37	19-4-30 NW/SE	RDS	616	Christy Cr	67		1926-639	
	17P	38	19-4-30 SW/NW	RDS	616	Christy Cr	67		1926-639	
	17P	39	19-4-30 NW/NW	RDS	616	Christy Cr	67		1926-639	
	17P	40	19-4-30 NW/NW	RDS	616	Christy Cr	67		1926-639	
	17H	65	19-3-24 NE/NW	RDS	21	Billy Cr	59	2800	1925-654	
	17I	66	19-3-12 SW/NE	RDS	441	Purdue Cr	67	4000	1912	
	17J	69	19-4-15 NE/NE	RDS	212		81	3000	1925	
17-5	17F	23	19-3-35 SW/SW	R	35		1978		1920-662	MP 0.1 Fill Failure
	17F	24	19-3-34 SE/SE	R	35	McKinley Cr			1920	MP 2.3 Stabilized '87
	17G	25	19-3-23 SW/NW	R	301				1925-642	Sackcrete Wall
	17D	55	20-3-11 SE/SW	Nat	35	High Cr	55	2300		
	17E	56	20-3-4 SW/SW	Nat	235	Hamner Cr	59	3600		
	17E	57	20-3-4 NW/SE	Nat	212	Hamner Cr	59	2700		
	17E	58	20-3-3 SE/NW	Nat	203	Hamner Cr	59	2400		
	17E	59	20-3-2 SW/SW	Nat	201	Hamner Cr	59	2000		
	17E	60	20-3-2 SW/SE	H	35	Hamner Cr	59	1700		
17-5	17G	61	19-3-35 SW/NE	Nat	313	Chalk Cr	59	2000		
	17G	62	19-3-35 SW/NE	RDS	313	Chalk Cr	59	2000	1920-662	
	17G	63	19-3-27&28	EF	35	Chalk Cr	55	3000		
	17G	64	19-3-21	RDS	301	Chalk Cr	67	3600	1912	
	17G	71	19-3-22 NE/SW	RDS		Chalk Cr	1985		1925-642	
24-1	24V	35	20-5-2 SE/NW	R	16				1944	MP 1.55 Fill Failure

APPENDIX D:

Stream Miles By Class And Watershed And Stream Density By Subwatershed 1/



Stream Density by Subwatershed:

Subwatershed	Total Stream Miles	Miles of Stream per Square Mile
17 - 1	139.8	4.09
17 - 2	158.0	4.24
17 - 3	108.0	4.35
17 - 4	86.8	4.81
17 - 5	97.2	4.10
24 - 1	150.6	3.35
24 - 2	45.7	1.32
24 - 3	2.9	0.10

1/ Due to incomplete mapping, number of miles of Class IV streams is probably under represented.

APPENDIX E:

Current And Mid-Point Aggregate Recovery Percentages (ARP)
(by Planning Subdrainage's)

Number	Name	Mid-Point ARP	Current ARP 1/	Number	Name	Mid-Point ARP	Current ARP 1/
171	Coffee	65	93	17U	Captain	70	88
172	Tenth	65	97	17V	Major Parker	70	86
173	Eight	70	99	17W	Roosevelt	70	85
174	Huckleberry	70	96	17X	Devils Canyon	75	87
175	Fifth	65	98	17Y	Hemlock	70	93
176	Third	70	81	17Z	Whiterock Shale	70	88
177	First	70	93	24A	Glade	70	88
178	High Prairie	65	93	24B	Augusta	70	96
179	Mossy - Grassy	70	83	24C	Tiny	70	100
17A	Short - Hemlock	80	93	24D	Box Canyon	60	91
17B	Dartmouth	80	83	24E	Outer Bend	65	96
17C	Leapfrog	70	83	24F	Skookum	60	100
17D	High	80	80	24G	Otter	60	100
17E	Hammer	80	85	24H	Erma Bell	65	100
17F	McKinley	80	90	24J	Harvey	65	100
17G	Chalk	80	80	24L	Waldo	NA	100
17H	Evangeline	75	87	24M	Eddeeleo	NA	100
17I	Billy	70	79	24N	Moolack Lake	70	100
17J	Nehi	70	85	24Q		65	100
17K	Sardine	70	81	24R		70	100
17L	Christy Head	70	86	24S		65	100
17M	Lowell	70	83	24T		70	96
17N	Lowell Head	65	78	24U		70	85
17P	Christy South	70	86	24V		70	82
17Q	Flats	65	99	24W		75	84
17R	Buffalo	70	88	24X		65	100
17S	Major Prairie	65	93				
17T	Brock	70	88				

1/ Current ARP values may actually be lower due to incomplete vegetation information and incomplete information on area occupied by roads

APPENDIX F:

Road Density By Planning Subdrainage

Number	Name	Road Density	Number	Name	Road Density
171	Coffee	3.0	17U	Captain	3.2
172	Tenth	2.7	17V	Major Parker	3.6
173	Eight	3.5	17W	Roosevelt	4.2
174	Huckleberry	3.6	17X	Devils Canyon	2.6
175	Fifth	5.2	17Y	Hemlock	3.8
176	Third	4.6	17Z	Whiterock Shale	4.3
177	First	2.3	24A	Glade	2.9
178	High Prairie	3.9	24B	Augusta	2.6
179	Mossy - Grassy	4.1	24C	Tiny	2.2
17A	Short - Hemlock	4.6	24D	Box Canyon	4.2
17B	Dartmouth	4.0	24E	Outer Bend	4.0
17C	Leapfrog	3.5	24F	Skookum	2.1
17D	High	2.5	24G	Otter	2.5
17E	Hammer	4.2	24H	Erma Bell	1.9
17F	McKinley	3.5	24I	Pothole	1.3
17G	Chalk	3.1	24J	Harvey	1.6
17H	Evangeline	3.9	24K	Torrey	1.0
17I	Billy	4.5	24L	Waldo	1.8
17J	Nehi	4.4	24M	Eddeeleo	1.7
17K	Sardine	4.4	24N	Moolack Lake	1.7
17L	Christy Head	3.9	24Q		1.8
17M	Lowell	3.9	24R		0.4
17N	Lowell Head	3.6	24S		0.85
17P	Christy South	3.4	24T		1.0
17Q	Flats	3.3	24U		2.4
17R	Buffalo	2.6	24V		2.9
17S	Major Prairie	3.7	24W		0.46
17T	Brock	2.8			

APPENDIX G:

Aquatic Habitat And Species Lists

OBSERVED POOL VALUES AND OBJECTIVES FOR SUBWATERSHED 171

Stream Name	Reach #	Reach Length (miles)	Gradient (%)	Average Width (ft)	Residual Depth (ft)	Width/ Depth Ratio	% Area in Large Pools	Observed Large Pools /Mile	Minimum Objective PACFISH	Minimum Objective Forest Plan
Short	1	1.1	7	6.6	3.1	14	2.9	4.5	143	160
Dartmouth	1	.8	6	14.8	2.2	14.4	11.4	21.3	70	71.35
"	2	.3	10	15	2.6	21.5	8.4	23.3	70	70.4
"	3	1.3	9	18.1	2.3	18.1	3.6	5.4	62	58.34
"	4	.6	18							
Trib 1.06	1	.1	19	7.1		11.81			143	148.73
Trib 1.56	1	.1								
Trib 2.11	1	1	19	5.1	2	16.92	.9	1	184	207.06
Trib 2.5	1	.4	12	6.4	2.3	12	1	2.5	168	165
Trib 2.5 .16	1	.2	7	2.2		7.5			184	480
Trib 2.5 .45	1		8	3		10			184	352
First	1	.1	22	14	.5		3	19.3	75	75.43
Third	1	.2		8					132	132
"	2	.2	10	4					184	264
"	3	.2	4	4					184	264
"	4	.2		2					184	528
Fourth	1	.3	4	7	.5	8.3	10	20.8	143	150.86
"	2	.1	3	5					184	211
"	3	.2	4	5	.5		4	5.5	184	211
Fifth	1	1.8	3	4	.9		5	1.1	184	264
Seventh	1	.3	2	9	.9	6.2	32	29.2	114	117.33
Huckleberry	1	.2	11	26	.5	6.4	22	61.9	46	40.62
"	2	.5	26	22	.9	6.4	8	27.2	52	48
"	3	.3		36			0	0	37	29.33
"	4	1.5	2	16	1.1	7.6	22	7.8	68	66
"	5	.2	4	14	1.7		4	9.4	75	75.43
"	6	1.4	13	12			0	0	85	88
Trib 1	1	.3	20	5	.9		1	3.3	184	211.2
Trib 2	1	.2	12	3			0	0	184	352

OBSERVED POOL VALUES AND OBJECTIVES FOR SUBWATERSHED 172

Stream Name	Reach #	Reach Length (miles)	Gradient (%)	Average Width (ft)	Residual Depth (ft)	Width/ Depth Ratio	% Area in Large Pools	Observed Large Pools /Mile	Minimum Objective PACFISH	Minimum Objective Forest Plan
Trib 401	1	.4	18	2			0	0	184	528
Trib 402	1	.3	15	4			0	0	184	264
Trib 403	1	.6		3			0	0	184	352
Trib 404	1	.05	8	4			0	0	184	264
Devils Canyon	1	1.1	11	10.2	2.4	17.2	2.5	6.4	96	103.53
"	2	1.8	16	8.1	3.1	17.6	3.8	7.2	132	130.37
"	3	.5	11	3.3		20.7			184	320
"	4	small lake								
"	5	.2	10							
"	6	Huckle berry Lake								
Trib 1.13	1	.1	21	7.9		8.8			132	133.67
Cedar	1	1.5	14	8.7	2.2	22.9	1.3	4.7	114	131.38
"	2	1.2	24							
Hemlock	1	1.6	24	3.5		12.5			184	301.71

OBSERVED POOL VALUES AND OBJECTIVES FOR SUBWATERSHED 173

Stream Name	Reach #	Reach Length (miles)	Gradient (%)	Average Width (ft)	Residual Depth (ft)	Width/ Depth Ratio	% Area in Large Pools	Observed Large Pools /Mile	Minimum Objective PACFISH	Minimum Objective Forest Plan
Sardine	1	.5	6	14	1		5	12.6	75	75.43
"	2	.1	6	12	.7		21	31.1	85	88
"	3	.1	10	12	.6		10	27.2	85	88
"	4	.5	4	6	.5	7.6	6	3.2	168	176
"	5	.2	4	4			0	0	184	264
"	6	.2		3		9.3	0	0	184	352
"	7	.3	3	4			0	0	184	264
"	8	.5	3	5	1.4		2	3.7	184	211.2
"	9	.3	9	4		9.2	0	0	184	264
"	10	.2		2			0	0	184	528
"	11	.1	3	1			0	0	184	1056
Trib 1	1	.8	5	4			0	0	184	264
"	2									
Trib 2	1	.2	7	11	.9		11	21.6	92	96
"	2	.3	7	8	1.4	6.9	3	7.2	132	132
Trib 3	1	.3	17	4			0	0	184	1056
Trib 4	1	.2	35	4			0	0	184	264
Trib 5	1	.06	11	1			0	0	184	1056
Trib1A	1	.2	5	9	2.2		10	18.4	114	117.33
"	2	.2	8	8	2.2		7	20.5	12	
"	3	.3	6	9	2.7		2	7	114	117.33
"	4	.4	10	6			0	0	168	176
Lowell	1	.3	2	12	1.5	11.5	17	15.3	85	88
"	2	.3	2	18	.9	12.1	3	3.1	62	58.67
"	3	.2	3	19	.7	18.3	13	32.7	59	55.58
"	4	.3	4	25	1.6	9.9	11	10.4	47	42.24
"	5	.1	5	18	1.0		11	27.2	62	58.67
"	6	.1	3	21	1.1	6.5	31	53.7	54	50.29
"	7	.3		17	.9	4.2	20	30.6	65	62.12
"	8	.5	5	15	1.0	9.9	32	23.1	70	70.4
"	9	.7	4	15	1.4	8.8	30	19.5	70	70.4
"	10	1.8	5	16	1.6	9.1	19	14.7	68	66
"	11	.1	4	7	.2	16.7	3	7.6	143	150.86
"	12	.3	7	11	1.0	8.8	3	3.9	92	96
"	13	1.0	14	9	1.0	9.5	5	8.3	114	117.33
"	14	.3	14	11	.9		4	3.6	92	96
"	15	.1	11	4			0	0	184	264
Trib 1B	1	.1	4	4			0	0	184	264
"	2	.4	6	2			0	0	184	528
Mossy	1	1.1	7	8	1.5	7.4	6	6.3	132	132
"	2	.5	9	7	1.5		5	3.8	143	150.86
"	3	.2	13	6	1.1	5.5	6	8	168	176
Grassy	1	.3	4	16	1.4	5.7	30	23.7	68	66
"	2	.4	2	23	.8	8.0	9	11.6	50	45.91
"	3	.1	4	26	1.0		7	18.8	47	40.61
"	4	.9	7	18	.8		9	11.7	62	58.67
"	5	.9	5	13	.6	7.9	19	24.4	80	81.23
"	6	.4	4	8	.3	6.2	11	28.8	132	132
"	7	.9	5	9	1.1	7.6	15	32.6	114	117.33
"	8	.1	11	6	.4		14	21.5	168	176
"	9	.1	11	8	1.0	4.0	22	37.7	132	132
"	10	.4	12	5	.9	4.8	14	22.6	184	211.2
"	11	.6	13	7	1.2	8.5	2	3.5	143	150.86
"	12	.2	4	7		5.0	0	0	143	150.86
Trib 1C	1	.3	9	5			0	0	184	211.2
"	2	.1	6	5			0	0	184	211.2

OBSERVED POOL VALUES AND OBJECTIVES FOR SUBWATERSHED 174

Stream Name	Reach #	Reach Length (miles)	Gradient (%)	Average Width (ft)	Residual Depth (ft)	Width/ Depth Ratio	% Area in Large Pools	Observed Large Pools /Mile	Minimum Objective PACFISH	Minimum Objective Forest Plan
Billy	1	.3	25	9	1.1		6	14.2	114	117.33
"	2	.2	15	6	1.0		7	8.7	168	176
"	3	.4	4	4			0	0	184	264
Trib 1	1	1.4	9	4	.6		2	1.4	184	264
Evangeline	1	.4	11	2			0	0	184	528
Perdue	1	.8	25	12	1.6	6.1	8	12.1	85	88
"	2	.3	5	9			0	0	114	117.33
Trib 1A	1	.1	11	2			0	0	184	528
Trib 2A	1	.4	28	5			0	0	184	211.2
Nehi	1	.3	7	16	.7		12	17	68	66
"	2	.3	7	11	.5	7.7	19	28.9	92	96
"	3	.3	5	9	.6	14.4	13	30	114	117.33
"	4	2.1	7	10	.7	9.5	10	12.2	96	105.6
"	5	.4		5	.7		9	8.4	184	211.2
Trib 1B	1	.4	8	4	2.9	4	3	2.4	184	264
Trib 2B	1	.3	11	2			0	0	184	528
Trib 3B	1	.1	11	2			0	0	184	528
Trib 4B	1	.1	9	3			0	0	184	352
Trib 5B	1	.3	14	2			0	0	184	528
Trib 6B	1	.3	6	1			0	0	184	1056
Trib 1C	1	.6	10	11			0	0	92	96
"	2	.7	6	4	2.8		1	1.8	184	264

OBSERVED POOL VALUES AND OBJECTIVES FOR SUBWATERSHED 175

Stream Name	Reach #	Reach Length (miles)	Gradient (%)	Average Width (ft)	Residual Depth (ft)	Width/ Depth Ratio	% Area in Large Pools	Observed Large Pools /Mile	Minimum Objective PACFISH	Minimum Objective Forest Plan
High	1	.6		11.4	2.4	10.8	.8	3.3	92	92.63
"	2	1.0		9.7	2.1	21.7	1.4	4.0	96	108.87
"	3	.4		9.3	3.1	20	1.7	7.5	114	113.55
"	4	.7		8.2	2.2	8.7	1.1	2.9	132	128.78
"	5	.5		5.3		10			184	199.25
High trib	1	.9			2.4	9.7	1.2	2.2		
Hamner	1	1.0	9	11.4	2.4	18.7	8.1	14.0	92	92.63
"	2	.5		13.9	3.0	10.0	7.2	24.0	75	75.97
"	3	.4		8.7	2.4	36.0	5.1	7.5	114	121.38
"	4	.7		11.8	2.2	24.29	1.0	2.9	85	89.49
"	5	.5		4.0					184	264
Hamner Trib	1	.4	27	3.8		7.9			184	277.89
McKinley	1	.6		15.4	1.9	46.4	9.7	16.7	70	68.57
"	2	.1	8	14.9	3.1	50	12.5	30	70	70.87
"	3	.4	12	11.1	2.7	22.9	2.7	7.5	92	95.14
"	4	.4	5	10.7	3.0	9.4	2.9	7.5	92	98.68
"	5	.6	13	8.3	2.4	10.0	1.8	3.3	132	127.23
"	6	1.4		8.8	2.7	14.4	1.8	3.0	114	120
"	7	.5		3.6		13.3			184	293.33
McKinley Trib	1	.4	12	4.0		16.4			184	264
Chalk	1	.5	3	11.8	1.4		.7	2.0	85	89.49
"	2	.5	7	13.2	2.5	21.9	6.7	10.0	80	80
"	3	.7	13	12.1	2.6	21.4	14.1	30.0	85	87.27
"	4	.8	9	12.1	2.4	16.2	12.9	26.3	85	87.27
"	5	.5	15	8.3	1.9	8.8	8.3	18.0	132	127.23
"	6	.4	10	11.6	2.9	15.6	5.7	12.5	85	91.03
	7	.1	11	8.8	2.0		4.3	10.0	114	120
	8	.3	13	10.7	2.7	9.4	2.1	6.7	92	98.68
	9	.4	13	11.3	2.7	11.1	4.2	12.5	92	93.45
	10	.5	16	8.5	2.4		.8	2.0	114	124.23
17G 13.4 01.0	1	.3	15	12.9	2.4	7.4	4.3	13.3	80	81.86
"	2	.7	18	9.3	2.2	16.7	6.0	22.9	114	113.55
"	3	.7	8	7.6	2.1	13.1	.8	2.9	132	138.95
"	4	.6	13	7.6	2.2		1.0	1.7	132	138.95
17G 13.4 01.7	1	.6	28	2.0		35.8			168	528
17G 13.4 02.5	1	.5	6	10.8	2.6	12.3	2.8	8.0	92	97.78
"	2	1.4	36	9.9	2.7	11.0	8.4	2.1	96	106.67
17G 13.4 03.5	1	.6	18	4.3		12.4			184	245.58

OBSERVED POOL VALUES AND OBJECTIVES FOR SUBWATERSHED 241

Stream Name	Reach #	Reach Length (miles)	Gradient (%)	Average Width (ft)	Residual Depth (ft)	Width/ Depth Ratio	% Area in Large Pools	Observed Large Pools /Mile	Minimum Objective PACFISH	Minimum Objective Forest Plan
Glade	1	.3	2							
"	2	.3	2							
"	3	.5	5							
Fisher	1	1.2	2	23.1	2.3	19.9	22.6	18.3	50	45.71
"	2	2.2	2	17.7	2.2	24.0	9.8	10.0	62	59.66
"	3	1.5	3	14.5	2.2	16.4	8.3	6.0	70	72.83
"	4	.6	1	10.2	2.6		41.6	6.7	96	103.53
"	5	.4	11	9.1	2.0	12.5	4.3	5.0	114	116.04
"	6	.3	11	14.6	1.9	6.5	1.3	6.7	70	72.33
"	7	.2	14	4.0					184	264
"	8	.2	28	7.3					143	144.66
Fisher Trib	1	.6	22	10.3	2.2	14.2	.7	3.3	96	102.52
Cayuse	1	.6	3	16.0	3.3			1.7	68	66
"	2	1.3	8	9.2	1.4	8.4	1.5	4.6	114	114.78
"	3	.9	5	2.7	.9			4.4	184	391.11
"	4	.7	10	7.7	1.3	7.2	4.9	10.0	132	137.14
"	5	.4	14	6.5	1.11			10.0	143	162.46
"	6	.2	8	3.3					184	320

OBSERVED POOL VALUES AND OBJECTIVES FOR SUBWATERSHED N. FORK

Stream Name	Reach #	Reach Length (miles)	Gradient (%)	Average Width (ft)	Residual Depth (ft)	Width/ Depth Ratio	% Area in Large Pools	Observed Large Pools /Mile	Minimum Objective PACFISH	Minimum Objective Forest Plan
North Fork	1	4.1	2	94.0	8.6	10.2	19.9	4.4	19	11.23
"	2	2.3	2	73.3	7.6	5.9	30.0	6.1	22	14.41
"	3	2.2	2	80.7	8.6	9.4	23.9	3.6	24	13.09
"	4	2.0	2	54.0	7.4	9.9	17.8	6.0	27	19.56
"	5	2.0	3	74.6	9.3	6.3	16.3	4.5	23	14.16
"	6	.9	5	58.9	4.1	9.8	5.3	5.6	28	17.93
"	7	2.0	3	58.4	4.0	9.9	13.5	5.0	28	18.08
"	8	2.5	2	39.4	3.8	12.9	9.4	5.2	35	26.80
"	9	2.7	3	57.4	4.3	13.4	12.5	5.2	28	18.4
"	10	2.1	4	36.0	2.9	6.6	7.8	8.1	38	29.33
"	11	4.6	4	36.5	4.0	5.2	7.1	9.6	37	28.93
"	12	7.7	5	40.3	2.9	7.9	1.7	3.1	35	26.20
"	13	10.5	5	39.9	3.8	9.0	4.9	5.0	28	18.08

OBSERVED POOL VALUES AND OBJECTIVES FOR SUBWATERSHED CHRISTY

Stream Name	Reach #	Reach Length (miles)	Gradient (%)	Average Width (ft)	Residual Depth (ft)	Width/ Depth Ratio	% Area in Large Pools	Observed Large Pools /Mile	Minimum Objective PACFISH	Minimum Objective Forest Plan
Christy	1	2.3	5	39.4	5.3	10.9	10.6	10.0	35	26.8
"	2	2.4	4	39.0	4.3	8.1	18.9	9.6	35	27.08
"	3	2.3	6	38.3	3.8	8.3	14.7	17.0	36	27.57
"	4	1.7	2	24.4	2.5	7.8	14.2	17.1	49	43.28
"	5	2.1	5	15.3	1.7	7.5	9.9	25.7	70	69.02

INSTREAM LARGE WOODY MATERIAL (LWM) FOR SUBWATERSHED 171

Stream Name	Reach #	Reach Length	# Small LWM	# Medium LWM	# Large LWM	Number of Med. + Large LWM / Mile
Huckleberry	1	.2	52.8	26.4	10.6	37.0
"	2	.5	195.4	174.2	147.8	322.0
"	3	.3	253.4	169.0	84.5	253.5
"	4	1.5	79.2	68.6	21.1	90.7
"	5	.2	147.8	153.1	21.1	174.2
"	6	1.4	84.5	68.6	15.8	84.4
Trib 1	1	.3	174.2	200.6		200.6
Trib 2	1	.2	205.9	295.7		295.7
First	1	.1	10.6		10.6	10.6
Third	1	.2	174.2	95.0	110.9	205.9
"	2	.2	253.4	79.2	89.8	169.0
"	3	.2	332.6	79.2	42.2	121.4
"	4	.2	332.6	126.7	73.9	200.6
Fourth	1	.3	485.8	205.9	132.0	337.9
"	2	.1	792.0	169.0	63.4	232.4
"	3	.2	300.0	163.7	147.8	311.5
Fifth	1	1.8	121.4	95.0	31.7	126.7
Seventh	1	.3	190.1	142.6	79.2	221.8
Short	1	1.1	16.1	25.0	5.4	29.4
Dartmouth	1	.8	32.9	19.7	13.2	32.9
"	2	.3	49.2	49.2	42.5	91.7
"	3	1.3	34.1	33.5	21.4	54.9
"	4	.6				
Trib 1.06	1	.1	75.9	54.8	33.6	88.4
Trib 1.56	1	.1				
Trib 2.11	1	1.0	57.7	104.2	43.3	147.3
Trib 2.5	1	.4	65.1	96.4	57.9	154.3
Trib 2.5 .16	1	.2	63.5	127.1	57.8	184.9
Trib 2.5 .45	1		79.2	52.8		52.8

Note: Small is wood with 12" dbh and 25' in length
Medium is wood with 24" dbh and 50' in length
Large is wood with 36" dbh and 50' in length

INSTREAM LARGE WOODY MATERIAL (LWM) FOR SUBWATERSHED 172

Stream Name	Reach #	Reach Length	# Small LWM	# Medium LWM	# Large LWM	Number of Med. + Large LWM / Mile
Trib 401	1	.4	26.4	15.8	5.28	17.5
Trib 402	1	.3	279.8	142.6	95.0	237.6
Trib 403	1	.3	10.6	10.6	5.28	15.9
Trib 404	1	.05				
Devils Canyon	1	1.1	141.2	48.8	8.7	57.5
"	2	1.8	112.1	44.2	9.5	53.7
"	3	.5	8.7	4.3	7.2	11.5
"	4	small lake				
"	5	.2				
"	6	Huckleberry Lake				
Trib 1.13	1	.1	107.5	64.5	0	64.5
Cedar	1	1.5	47.3	39.9	8.6	48.5
"	2	1.2				
Hemlock	1	1.6	19.4	10.3	2.3	12.5

Note: Small is wood with 12" dbh and 25' in length
Medium is wood with 24" dbh and 50' in length
Large is wood with 36" dbh and 50' in length

INSTREAM LARGE WOODY MATERIAL (LWM) FOR SUBWATERSHED 173

Stream Name	Reach #	Reach Length	# Small LWM	# Medium LWM	# Large LWM	Number of Med. + Large LWM / Mile
Sardine	1	.5	142.6	68.64	47.5	116.2
"	2	1	264.0	248.2	153.1	401.3
"	3	.1	337.9	295.7	84.5	380.2
"	4	.5	47.5	42.2	5.3	47.5
"	5	.2	37.0	37.0	5.3	42.3
"	6	.2	42.2	5.3	0	5.3
"	7	.3	21.1	10.6	0	10.6
"	8	.5	89.8	52.8	5.3	58.1
"	9	.3	52.8	37.0	0	37.0
"	10	.2	0	10.6	0	10.6
"	11	.1	0	0	0	0
Trib 1	1	.8	121.4	95.0	105.8	200.1
"	2	.04				
Trib 2	1	.2	211.2	63.4	63.4	126.8
"	2	.3	137.3	42.2	5.3	47.5
Trib 3	1	.3	258.7	89.8	31.7	121.5
Trib 4	1	.2	21.1	21.1	10.6	31.7
Trib 5	1	.06	168.9	121.4		121.4
Trib 1A	1	.2	195.4	142.6	15.8	158.4
"	2	.2	200.6	110.9	5.3	116.2
"	3	.3	147.8	52.8	31.7	84.5
"	4	.4	52.8	15.8	5.3	21.1
Lowell	1	.3	63.4	89.8	58.1	147.9
"	2	.3	10.6	21.1	5.3	26.4
"	3	.2	42.2	21.1		21.1
"	4	.3	26.4	26.4	5.3	31.7
"	5	.1	10.6	26.4	15.9	42.2
"	6	.1	73.9	42.2	153.1	195.3
"	7	.3	37.0	10.6	47.5	58.1
"	8	.5	58.0	42.2	47.5	89.7
"	9	.7	63.4	58.1	89.8	147.9
"	10	1.8	15.8	15.8	10.6	26.4
"	11	.1	47.5	37.0	37.0	74.0
"	12	.3	15.8	5.3	5.3	10.6
"	13	1.0	73.9	52.8	26.4	79.2
"	14	.3	68.6	52.8	15.8	68.6
"	15	.1	227.0	147.8	89.8	237.6
Trib 1B	1	.1				
"	2	.4	31.7	10.6		10.6
Grassy	1	.3	116.2	58.1	15.8	73.9
"	2	.4	15.8	0	0	0
"	3	.1	84.5	142.6	58.1	200.7
"	4	.9	79.2	31.7	15.8	47.5
"	5	.9	10.6	10.6	5.3	15.9
"	6	.4	31.7	31.7	10.6	42.3
"	7	.9	42.2	10.6	5.3	15.9
"	8	.1	15.8	15.8	26.4	42.2
"	9	.1	68.6	31.7	15.8	47.5
"	10	.4	110.9	58.1	21.1	79.2
"	11	.6	52.8	37.0	5.3	42.3
"	12	.2	132.0	37.0	10.6	47.6
Trib 1C	1	.3	21.1	26.4	0	26.4
"	2	.1	58.1	21.1	0	21.1
Mossy	1	1.1	79.2	47.5	21.1	68.6
"	2	.5	31.7	31.7	21.1	52.8
"	3	.2	79.2	52.8	63.4	116.2

INSTREAM LARGE WOODY MATERIAL (LWM) FOR SUBWATERSHED 174

Stream Name	Reach #	Reach Length	# Small LWM	# Medium LWM	# Large LWM	Number of Med. + Large LWM / Mile
Billy	1	.3	644.2	501.6	607.2	1108.8
"	2	.2	248.2	327.4	158.4	485.8
"	3	.4	364.3	147.8	121.4	269.2
Trib 1	1	1.4	174.2	116.2	95.0	211.2
Evangeline	1	.4	15.8	10.6	10.6	21.2
Perdue	1	.8	248.2	184.8	73.9	258.7
"	2	.3	95.0	184.8	131.4	306.2
Trib 1A	1	.1	1805.8			
Trib 2A	1	.4	147.8	184.8	68.6	253.4
Nehi	1	.3	205.9	184.8	147.8	332.6
"	2	.3	147.8	179.5	132	311.5
"	3	.3	147.8	179.5	105.6	285.7
"	4	2.1	142.6	105.6	132	237.6
"	5	.4	73.9	105.6	110.9	216.5
Trib 1B	1	.4	63.4	31.7	5.3	36.0
Trib 2B	1	.3	79.2	68.6	58.1	126.7
Trib 3B	1	.1	73.9	10.6	10.6	21.2
Trib 4B	1	.1	100.3	73.9	26.4	100.3
Trib 5B	1	.3	290.4	169.0	126.7	295.7
Trib 6B	1	.3	31.7	79.2	63.4	142.6
Trib 1C	1	.6	89.8	89.8	31.7	121.5
"	2	.7	37.0	15.8		15.8

Note: Small is wood with 12" dbh and 25' in length
Medium is wood with 24" dbh and 50' in length
Large is wood with 36" dbh and 50' in length

INSTREAM LARGE WOODY MATERIAL (LWM) FOR SUBWATERSHED 175

Stream Name	Reach #	Reach Length	# Small LWM	# Medium LWM	# Large LWM	Number of Med. + Large LWM / Mile
High	1	.6	1.5	4.5	15.0	19.5
"	2	1.0	80.2	15.8	21.9	37.7
"	3	.4	79.8	53.2	39.2	92.4
"	4	.7	50.8	24.0	46.4	75.4
"	5	.5	35.7	46.5	109.1	155.6
High Trib	1	.9	43.5	22.8	34.2	57.0
Hamner	1	1.0	31.2	28.9	14.5	43.4
"	2	.5	26.4	8.3	11.1	19.4
"	3	.4	23.2	4.6	11.6	16.2
"	4	.7	29.2	1.3	22.8	24.1
"	5	.5				
Hamner Trib	1	.4				
McKinley	1	.6	14.7	12.9	36.8	49.7
"	2	.1	166.1	19.2	185.3	204.5
"	3	.4	148.8	17.5	168.5	186.0
"	4	.4	29.4	0	29.4	29.4
"	5	.6	27.9	139.5	348.8	488.3
"	6	1.4	98.8	28.9	136.9	165.8
"	7	.5	27.5	6.9	52.7	59.6
McKinley Trib	1	.4	25.7	14.3	8.6	22.9
Chalk	1	.5				
"	2	.5	68.8	15.3	10.2	25.5
"	3	.7	52.2	28.6	2.5	31.1
"	4	.8	86.0	43.6	25.5	69.1
"	5	.5	112.6	49.5	18.0	67.5
"	6	.4	127.8	67.4	32.5	99.9
"	7	.1				
"	8	.3	165.0	118.7	37.6	156.3
"	9	.4	181.4	101.9	44.7	146.6
"	10	.5				
17G 13.4 01.0	1	.3	81.0	75.6	32.4	108
"	2	.7	88.0	47.1	12.6	59.7
"	3	.7	62.0	38.9	17.0	55.9
"	4	.6				
17G 13.4 01.7	1	.6				
17G 13.4 02.5	1	.5	125.4	87.3	24.6	169.0
"	2	1.4	77.0	81.7	27.5	109.2
17G 13.4 03.5	1	.6	60.8	59.4	7.2	66.6

Note: Small is wood with 12" dbh and 25' in length
Medium is wood with 24" dbh and 50' in length
Large is wood with 36" dbh and 50' in length

INSTREAM LARGE WOODY MATERIAL (LWM) FOR SUBWATERSHED 241

Stream Name	Reach #	Reach Length	# Small LWM	# Medium LWM	# Large LWM	Number of Med. + Large LWM / Mile
Glade	1	.3				
"	2	.3				
"	3	.5				
Fisher	1	1.1	48.8	29.9	22.0	51.9
"	2	2.2	27.2	11.0	5.2	15.2
"	3	1.5	11.8	4.2	0	4.2
"	4	.6	17.5	5.0	2.5	7.5
"	5	.4	35.2	7.0	3.5	10.5
"	6	.3	2.2	0	6	0
"	7	.2				
"	8	.2				
Fisher Trib	1	.8	47.7	38.8	6.0	104.8
Cayuse	1	.6	116.0	36.1	23.2	59.3
"	2	1.3	70.6	47.0	33.6	80.6
"	3	.9				
"	4	.7	46.3	29.9	9.0	38.9
"	5	.4	128.6	62.3	19.5	81.8
"	6	.2				

Note: Small is wood with 12" dbh and 25' in length
Medium is wood with 24" dbh and 50' in length
Large is wood with 36" dbh and 50' in length

INSTREAM LARGE WOODY MATERIAL (LWM) FOR THE MAIN STEM NORTH FORK

Stream Name	Reach #	Reach Length	# Small LWM	# Medium LWM	# Large LWM	Number of Med. + Large LWM / Mile
North Fork	1	4.1	1.9	1.0	.2	1.2
"	2	2.3	9.1	3.0	.9	3.9
"	3	2.2	4.5	1.0	0	1.0
"	4	2.0	9.5	2.5	2.5	5.0
"	5	2.0	5.0	.5	0	.5
"	6	.9	81.1	22.2	4.4	26.6
"	7	2.0	27.5	5.5	1.0	6.5
"	8	2.5	53.2	18.0	11.2	29.2
"	9	2.7	8.5	11.5	2.6	13.1
"	10	2.1	2.3	21	26	47
"	11	4.6	41	27	35	62
"	12	7.7	13	16	13	29
"	13	10.5	13	14	14	28

INSTREAM LARGE WOODY MATERIAL (LWM) FOR THE MAIN STEM OF CHRISTY CREEK

Stream Name	Reach #	Reach Length	# Small LWM	# Medium LWM	# Large LWM	Number of Med. + Large LWM / Mile
Christy	1	2.3	50.9	15.7	6.5	22.2
"	2	2.4	25.8	35.8	10.0	45.8
"	3	2.3	82.2	60.0	23.0	83.0
"	4	1.7	22.4	37.7	14.7	52.4
"	5	21	94.8	22.9	12.4	35.3

Note: Small is wood with 12" dbh and 25' in length
Medium is wood with 24" dbh and 50' in length
Large is wood with 36" dbh and 50' in length

PHYSICAL INFORMATION FOR STREAMS LOCATED IN SUBWATERSHED 171

Stream Name	Reach #	Reach Length (miles)	Valley Segment Type	Dominant Substrate	Subdominant Substrate	Channel Stability Rating	# Failures (average) (size)	# Debris Jams
Short	1	1.1	5	GR	CO	Fair	3 (25x20)	4
Dartmouth	1	.8	6	CO	SB	Good	4 (40x100)	2
"	2	.3	2	SB	CO	Good	0	3
"	3	1.3	3	CO	GR	Good	2 (50x20)	2
"	4	.6	3	CO	GR	Good	2	1
Trib 1.06	1	.1	2	BR	GR	Excellent	0	3
Trib 1.56	1	.1	2	BR	BR	Good	0	
Trib 2.11	1	1.0	3	CO	GR	Good	0	4
Trib 2.5	1	.4	3	GR	CO	Good	2 (50x20)	0
Trib 2.5 .16	1	.2	3	GR	CO	Fair	0	1
Trib 2.5 .45	1		3	GR	CO	Good	0	
Huckleberry	1	.2	2	BO	RU	Good		
"	2	.5	3	BO	RU	Fair		4
"	3	.3	3	LB	BR	Fair		
"	4	1.5	6	CO	GR	Good		2
"	5	.2	6	GR	CO	Good		4
"	6	1.4	8	CO	GR	Good		1
Trib 1	1	.3	8	CO	GR	Fair		3
Trib 2	1	.2	8	GR	BR	Fair		5
First	1	.1	8	LB	RU	Good		
Third	1	.2	3	RU	LB	Good		8
"	2	.2	6	GR	SA	Good		
"	3	.2	6	SA	CO	Fair		3
"	4	.2	8	CO	SA	Fair		6
Fourth	1	.3	6	GR	BO	Fair		
"	2	.1	6	SA	CO	Good		2
"	3	.2	6	SA	GR	Fair		8
"								
Fifth	1	1.8	6	SA	GR	Fair		55
Seventh	1	.3	6	SA	CO	Fair		1

PHYSICAL INFORMATION FOR STREAMS LOCATED IN SUBWATERSHED 172

Stream Name	Reach #	Reach Length (miles)	Valley Segment Type	Dominant Substrate	Subdominant Substrate	Channel Stability Rating	# Failures (average) (size)	# Debris Jams
Trib 401	1	.4	8			Good		
Trib 402	1	.3	8	CO	RU	Good	21	1
Trib 403	1	.6	8	RU	BR	Fair		
Trib 404	1	.05	8			Fair		
Devils Canyon	1	1.1	8	CO	SB	Fair	? (50X12)	
"	2	1.8	2	BR	CO	Good	7 (30X30)	3
"	3	.5	3	GR	CO	Fair		1
"	4	small lake						
"	5	.2	4			Good		1
"	6	Huckle-berry Lake						
Trib 1.13	1	.1	3	CO	LB	Good	3 (10X5)	0
Cedar	1	1.5	4	CO	GR	Poor	12 (50x15)	2
"	2	1.2	3	SB	CO	Good	1 (70x30)	2
Hemlock	1	1.6	4	CO	SB	Good	1 (30x12)	1

PHYSICAL INFORMATION FOR STREAMS LOCATED IN SUBWATERSHED 173

Stream Name	Reach #	Reach Length (miles)	Valley Segment Type	Dominant Substrate	Subdominant Substrate	Channel Stability Rating	# Failures (average) (size)	# Debris Jams
Sardine	1	.5	6	CO	RU	Good		5
"	2	.1	6	BO	RU	Good		0
"	3	.1	6	RU	BO	Fair		4
"	4	.5	6	RU	CO	Good		0
"	5	.2	6	CO	RU	Good		0
"	6	.2	6	CO	RU	Fair		
"	7	.3	6	RU	CO	Fair		
"	8	.5	8	GR	CO	Good		
"	9	.3	8	GR	RU	Fair		
"	10	.2	8	CO	RU	Good		
"	11	.1	8	CO	GR	Good		
Trib 1	1	.8	6	CO	RU	Good		3
"	2	.04	6			Good		
Trib 2	1	.2	6	RU	BO	Fair		4
"	2	.3	6	CO	RU	Good		3
Trib 3	1	.3	8	WO	GR	Fair		
Trib 4	1	.2	8	CO	RU	Fair		
Trib 5	1	.06	8	WO	GR	Fair		
Trib 1A	1	.2	10	CO	RU	Fair		
"	2	.2	5	CO	BO	Fair		7
"	3	.3	6	CO	GR	Fair		30
"	4	.4	8	BR	RU	Fair		34
Lowell	1	.3	6	CO	RU	Fair		
"	2	.3	6	RU	BO	Fair		2
"	3	.2	6	BO	RU	Fair		
"	4	.3	6	RU	BO	Fair		2
"	5	.1	6	BO	RU	Fair		
"	6	.1	6	RU	CO	Fair		
"	7	.3	6	RU	CO	Fair		2
"	8	.5	6	RU	CO	Fair		2
"	9	.7	6	RU	CO	Poor		5
"	10	1.8	6	RU	CO	Fair	1 (30X50)	
"	11	.1	10	BO	RU	Good	1 (15X10)	
"	12	.3	10	RU	BO	Good		
"	13	1.0	8	BO	LB	Fair		
"	14	.3	8	RU	BO	Fair		many
"	15	.1	8	RU	GR	Fair		
Trib 1B	1	.1	8	CO	RU	Good		
"	2	.4	8	BR	SA	Fair		2
Mossy	1	1.1	6	RU	BO	Fair		
"	2	.5	6	BO	RU	Fair		
"	3	.2	8	CO	BO	Fair		3

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PHYSICAL INFORMATION FOR STREAMS LOCATED IN SUBWATERSHED 173

Stream Name	Reach #	Reach Length (miles)	Valley Segment Type	Dominant Substrate	Subdominant Substrate	Channel Stability Rating	# Failures (average) (size)	# Debris Jams
Grassy	1	.3	6	RU	BO	Good		2
"	2	.4	6	BO	RU	Fair		
"	3	.1	6	RU	CO	Good		
"	4	.9	6	RU	BO	Fair		6
"	5	.9	6	RU	BO	Good		
"	6	.4	10	CO	RU	Good	1 (20X50)	3
"	7	.9	10	BO	CO	Good	2 (35X70)	3
"	8	.1	8	BO	LB	Good		1
"	9	.1	8	BO	CO	Good		2
"	10	.4	8	BR	BO	Good		
"	11	.6	8	RU	GR	Good		20
"	12	.2	8	CO	GR	Good		1
Trib 1C	1	.3	8	CO	GR	Fair		
"	2	.1	8	GR	CO	Fair		

PHYSICAL INFORMATION FOR STREAMS LOCATED IN SUBWATERSHED 174

Stream Name	Reach #	Reach Length (miles)	Valley Segment Type	Dominant Substrate	Subdominant Substrate	Channel Stability Rating	# Failures (average) (size)	# Debris Jams
Billy	1	.3	4	BO	BR	Fair		97
"	2	.2	6	CO	BO	Good		15
"	3	.4	10	CO	GR			
Trib 1	1	1.4	6	RU	BO	Fair		
Evangeline	1	.4	4	BO	CO	Good		
Perdue	1	.8	4	RU	LB	Good		
"	2	.3	4	GR	CO	Fair		2
Trib 1A	1	.1	8	CO	GR	Good		
Trib 2A	1	.4	8	CO	SA	Fair		
Nehi	1	.3	5	RU	BO	Fair		7
"	2	.3	3	LB	BO	Fair		3
"	3	.3	10	BR	RU	Fair		7
"	4	2.1	10	RU	BO	Fair		5
"	5	.4	10	RU	CO	Fair		4
Trib 1B	1	.4	8	CO	GR	Fair		
Trib 2B	1	.3	8	RU	CO	Fair		
Trib 3B	1	.1	8	SA	CO			
Trib 4B	1	.1	8	SA	CO	Fair		
Trib 5B	1	.3	6	RU	CO	Fair		
Trib 6B	1	.3	6	GR	CO	Fair		6
Trib 1C	1	.6	8	CO	RU	Good		
"	2	.7	8	SA	CO	Fair		

PHYSICAL INFORMATION FOR STREAMS LOCATED IN SUBWATERSHED 175

Stream Name	Reach #	Reach Length (miles)	Valley Segment Type	Dominant Substrate	Subdominant Substrate	Channel Stability Rating	# Failures (average) (size)	# Debris Jams
High	1	.6	3	CO	GR	Good	3 (100x20)	
"	2	1.0	2	CO	SB	Fair	9 (250x35)	5
"	3	.4	3	GR	CO	Fair	3 (100x25)	8
"	4	.7	3	GR	CO	Fair	5 (100x65)	8
"	5	.5	3	GR	CO	Fair	2 (35x25)	8
High Trib	1	.9	3	GR	CO	Fair	4 (140X35)	10
Hamner	1	1.0	5	GR	CO	Good	2 (30x25)	4
"	2	.5	3	CO	GR	Fair	2 (60x25)	5
"	3	.4	5	GR	CO	Fair	3 (100x25)	6
"	4	.7	5	CO	GR	Fair	19 (150x25)	3
"	5	.5	5	GR	GR			
Hamner Trib	1	.4	3	CO	SA	Fair	1 (20x25)	10
McKinley	1	.6	3	CO	BR	Fair	1	2
"	2	.1	6	CO	GR	Fair	1	3
"	3	.4	3	CO	SB	Good		
"	4	.4	6	CO	SB	Fair	1 (29x20)	3
"	5	.6	2	CO	SB	Fair	4 (20x10)	5
"	6	1.4	3	CO	SB	Fair	1	14
"	7	.5	3	GR	SA	Good		2
McKinley Trib	1	.4	4	GR	CO	Good	7 (12x15)	10
	1	.5	8	CO	GR	Fair		4
Chalk	2	.5	3	CO	SB	Fair		2
"	3	.7	3	CO	BR	Fair	3 (100x40)	1
"	4	.8	3	GR	CO	Good	4 (100x30)	7
"	5	.5	5	GR	CO	Fair	3 (300x40)	6
"	6	.4	6	GR	CO	Fair	4 (50x30)	5
"	7	.1	5	GR	CO	Good	1 (40x20)	1
"	8	.3	5	GR	CO	Fair	5 (50x30)	3
"	9	.4	3	GR	CO	Good	1 (50x15)	3
"	10	.5	3	GR	CO	Good		2
17G 13.4 01.0	1	.3	3	CO	SB	Good	1 (20x7)	2
"	2	.7	2	GR	CO	Fair	2 (20x5)	4
"	3	.7	3	GR	CO	Good	2 (25x10)	4
"	4	.6	3	GR	CO	Good	1 (40x20)	2
17G 13.4 01.7	1	.6	3	CO	SB	Fair	5 (50x15)	
17G 13.4 02.5	1	.6	3	GR	CO	Fair	10 (50x20)	3
"	2	1.4	3	GR	CO	Poor	20 (100x25)	1
17G 13.4 03.5	1	.6	3	GR	CO	Fair	5 (100X15)	2

PHYSICAL INFORMATION FOR STREAMS LOCATED IN SUBWATERSHED 241

Stream Name	Reach #	Reach Length (miles)	Valley Segment Type	Dominant Substrate	Subdominant Substrate	Channel Stability Rating	# Failures (average) (size)	# Debris Jams
Glade	1	.3	6	CO	GR	Good		6
"	2	.3	7	CO	SA	Fair		30
"	3	.5	7	CO	GR	Good		
Fisher	1	1.1	7	GR	CO	Good	1 (50x17)	5
"	2	2.2	7	GR	CO	Good	2 (20x30)	2
"	3	1.5	5	GR	CO	Fair	1 (50x20)	5
"	4	.6	9	GR	SA	Good		2
"	5	.4	10	GR	CO	Good		
"	6	.3	5	CO	SB	Good		
"	7	.2	8	GR	CO	Good		
"	8	.2	8	CO	SB	Good		
Fisher Trib	1	.6	2	GR	CO	Good	3 (50X10)	
Cayuse	1	.6	5	CO	SB	Good		
"	2	.3	5	CO	SB	Good		2
"	3	.9	5	CO	SB	Fair		4
"	4	.7	5	CO	SB	Good		10
"	5	.4	5	BR	GR	Good		
"	6	.2	5	GR	CO	Good		

PHYSICAL INFORMATION FOR STREAMS LOCATED IN SUBWATERSHED NORTH FORK

Stream Name	Reach #	Reach Length (miles)	Valley Segment Type	Dominant Substrate	Subdominant Substrate	Channel Stability Rating	# Failures (average) (size)	# Debris Jams
North Fork	1	4.1	1\10	CO	BR			
"	2	2.3	3	CO	BR			
"	3	2.2	10	CO	GR			
"	4	2.0	3	CO	GR			
"	5	2.0	3	CO	GR			
"	6	.9	3	CO	SB			
"	7	2.0	6	CO	GR			
"	8	2.5	10	CO	GR			
"	9	2.7	10	GR	CO			
"	10	2.1	10	CO	GR			
"	11	4.6	10	CO	SB			
"	12	7.7	7	SB	LB			
"	13	10.5	7	CO	CO			

PHYSICAL INFORMATION FOR STREAMS LOCATED IN SUBWATERSHED CHRISTY

Stream Name	Reach #	Reach Length (miles)	Valley Segment Type	Dominant Substrate	Subdominant Substrate	Channel Stability Rating	# Failures (average) (size)	# Debris Jams
Christy	1	2.3	3	CO	SB			
"	2	2.4	4	GR	CO			
"	3	2.3	3	CO	CO			
"	4	1.7	6	GR	CO			
"	5	2.1	6	CO	GR			

BIOLOGICAL INFORMATION ABOUT SPECIES LOCATED IN THE RIPARIAN AREA OF SUBWATERSHED 171

Stream Name	Survey Date	Reach #	Seral Stage (% Inner Riparian)	Percent Inner Riparian	Inner Riparian Species	Seral Stage (% Outer Riparian)	Percent Outer Riparian	Outer Riparian Species	Water Temp. Deg. F (Time)	Fish Species	Amphibian Species
Short	7/21/94	1	SP	100	HB, HA	SP,LT	50,50	CD/CC, CC/CD	57 (1045)	CT, SCULPIN	
Dartmouth	7/7/94	1	SP,ST	67, 33	HA/CC, HA	ST,LT	17,83	CD/CH, CD/CD	54 (1245)	Trout	
"		2	SS,SP	50, 50	HV/HA, HA, HV	ST,LT	50,50	HV/CD, CD/HB	49 (0830)	Trout	
"		3	SS,SP, ST	60, 20, 20	HA/HB, HA/HB, HB/HA	ST,LT	25,75	CH/CC, CD/CC	54		
"		4									
Trib 1.06		1	SP	100	HB/CY, HV,HA	LT	100	CD/HV	53 (1600)		DIEN
Trib 1.56		1									
Trib 2.11		1	SS	100	HV/HX	ST/LT	75,25	CC/CH, CH/CC	57 (1330)		
Trib 2.5		1	SS	100	HV/CD	ST/LT	50,50	CH/CD, CC/CH	55 (1300)		
Trib 2.5 .16		1	SS	100	HB/HA	MT	100	CD/CC	56 (1630)		
Trib 2.5 .45		1							52 (1445)		
Unnamed										CT	
Huckleberry	7/9/91	1	MT	100					53.6		
"		2	MT	100					53.6		
"		3							55.4		
"		4	MT	100					48.2	Trout	
"		5							50.0	Trout	
"		6							42.8	CT	
Trib 1		1							48.2	Trout	
Trib 2		1							48.2		
First	7/10/91	1								Trout	
Third	7/10/91	1							51.8		
"		2									
"		3							51.8	Trout, CT	
"		4									
Fourth	7/31/91	1	ST	100					51.8	Trout	TAGR
"		2							51.8	Trout, CT	
"		3							53.6		
Fifth	7/25/91	1							51.8	CT	
Seventh	7/18/91	1	SP/LT	74, 26					51.8	CT	
Sixth	8/2/94								54 (1515)	CT	

BIOLOGICAL INFORMATION ABOUT SPECIES LOCATED IN THE RIPARIAN AREA OF SUBWATERSHED 172

Stream Name	Survey Date	Reach #	Seral Stage (% Inner Riparian)	Percent Inner Riparian	Inner Riparian Species	Seral Stage (% Outer Riparian)	Percent Outer Riparian	Outer Riparian Species	Water Temp. Deg. F (Time)	Fish Species	Amphibian Species
Trib 401	8/10/91	1									
Trib 402		1							54	Trout	
Trib 403		1									
Trib 404		1									
Devils Canyon	7/26/94	1	GF/SS/ ST	25,25, 50	GF/HV, HV/HB, HV/HC	GF/ST/ LT	6,72,22	GF/CD, CD/CH, CD/CD	56 (1510)	Trout	
"		2	SS/ST/ LT	33,33, 33	HV/HB, HV/CH, CD/CC	ST/LT	33,67	CD/CD, CD/CC	54 (1437)	Trout	DIEN, THEL, ASTR
"		3				ST/LT	50,50	CH/CH	56 (1515)		
"		4									
"		5									
"		6									
Trib1.13		1	MT	100					47 (1000)		
Cedar		1	SS/SP/ ST	17,67, 17	HV/CC, HA/HV, HA/HA	SS/ST/ LT	9,45,45	CH/CC, CD/CD, CD/CH	54 (1445)	Trout, CT	DIEN
"		2									
Hemlock		1	SP	100	HA/HA	ST/LT	50,50	CH/CC, CH/CD	48 (1225)		DIEN, TAGR
Captain	9/8/94									CT	
Major	9/7/94									CT	
Shale	8/3/94									CT	
Brock	9/6/94									CT	

BIOLOGICAL INFORMATION ABOUT SPECIES LOCATED IN THE RIPARIAN AREA OF SUBWATERSHED 173

Stream Name	Survey Date	Reach #	Seral Stage (% Inner Riparian)	Percent Inner Riparian	Inner Riparian Species	Seral Stage (% Outer Riparian)	Percent Outer Riparian	Outer Riparian Species	Water Temp. Deg. F (Time)	Fish Species	Amphibian Species
Sardine	8/29/91	1	MT,ST, SP,LT	5,53,22, 20					54	Trout	DIEN
"		2	MT,ST, SP,LT	4,65,27, 4					54	Trout	
"		3	MT,ST, SP	4,67,28					50	Trout	Frog
"		4	ST,SP	70,30						Trout	
"		5	ST,SP	76,24							
"		6	ST,SP	73,27							
"		7	ST,SP	85,15						CT	
"		8	ST,SP	80,20						CT	
"		9	ST,SP	60,40							
"		10	SP	100							
"		11									
Trib 1		1								Trout	
"		2									
Trib 2		1									
"		2								Trout	
Trib 3		1								Trout	
Trib 4		1									
Trib 5		1									
Trib 1A	10/16/92	1									
"		2									
"		3								Trout	
"		4								Trout	
Lowell	7/16/90	1	LT	100					64.4	Trout	
"		2	ST	100					55.4	Trout	
"		3	MT	100					55.4	CT	
"		4	SS/SP	46,54					60.8		
"		5							62.6	Trout	
"		6	SS	100					59.0		
"		7	SS	100					59.0		
"		8	SS/SP	49,51					55.4	Trout	
"		9	SS	100					53.6		DIEN
"		10	SS/ST	62,38					55.4	Trout, CT	
"		11	LT	100					57.2		DIEN, AMMA
"		12	SS	100					60.8	Trout	
"		13	MT	100					53.6	Trout	DIEN
"		14							53.6	Trout	
"		15							53.6		
Trib 1B	9/29/92	1									
"		2									

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BIOLOGICAL INFORMATION ABOUT SPECIES LOCATED IN THE RIPARIAN AREA OF SUBWATERSHED 173

Stream Name	Survey Date	Reach #	Seral Stage (% Inner Riparian)	Percent Inner Riparian	Inner Riparian Species	Seral Stage (% Outer Riparian)	Percent Outer Riparian	Outer Riparian Species	Water Temp. Deg. F (Time)	Fish Species	Amphibian Species
Mossy	8/1/90	1	MT	100					55.4		
"		2							57.2	Trout, CT	Salamander THEL
"		3	MT	100					59.0	Trout	
Grassy	6/27/90	1	GF,SS, ST	36,22, 42					51.8	Trout	
"		2	SS/ST	84,16					51.8	CT	
"		3							51.8		
"		4							51.8		
"		5	ST	100					53.6		
"		6	ST	100					51.8	Trout	
"		7	ST/SP, LT	56,37,7					51.8	Trout	THEL
"		8							55.4		
"		9	ST	100					57.2	Trout	DIEN
"		10	ST	100					59.0	Trout	Frog
"		11	MT	100					60.8	Trout	
"		12	ST	100					60.8	Trout	DIEN
Trib1C	10/8/92	1									
"		2									

BIOLOGICAL INFORMATION ABOUT SPECIES LOCATED IN THE RIPARIAN AREA OF SUBWATERSHED 174

Stream Name	Survey Date	Reach #	Seral Stage (% Inner Riparian)	Percent Inner Riparian	Inner Riparian Species	Seral Stage (% Outer Riparian)	Percent Outer Riparian	Outer Riparian Species	Water Temp. Deg. F (Time)	Fish Species	Amphibian Species
Billy	8/7/91	1								Trout	
"		2									
"		3									
Trib 1	10/4/91	1							53.6		
Evangeline	8/6/91	1							53	Trout, CT	DIEN, RACA
Perdue	8/14/91	1	GF/MT	66,34					55.4		
"		2							57.2		
Trib 1A	9/3/91	1							50 (1035)		DIEN, AMGR
Trib 2A	10/2/92	1									
Nehi	9/16/91	1							51.8	Trout	
"		2	SS	100					55.4	Trout, CT	DIEN
"		3	SS	100					53.6	Trout	DIEN
"		4	SP/SS	64,36					51.8	Trout	
"		5									
Trib 1B	9/19/91	1	SS	100					53.6	Trout	
Trib 2B	9/19/91	1							53.6		
Trib 3B	9/19/91	1							53.6		
Trib 4B	9/19/91	1									
Trib 5B	9/19/91	1							51.8		
Trib 6B	9/19/91	1								Trout	
Trib1C	10/21/92	1									
"		2									

BIOLOGICAL INFORMATION ABOUT SPECIES LOCATED IN THE RIPARIAN AREA OF SUBWATERSHED 175

Stream Name	Survey Date	Reach #	Seral Stage (% Inner Riparian)	Percent Inner Riparian	Inner Riparian Species	Seral Stage (% Outer Riparian)	Percent Outer Riparian	Outer Riparian Species	Water Temp. Deg. F (Time)	Fish Species	Amphibian Species
High	11/1/93	1	ST,LT	50,50	CD/HA, CD				45 (1230)	RB	
"		2	ST,LT	67,33	CC/CH, CD/CH				45 (1355)		ASTR, DIEN
"		3	LT	100	CD/CH				44 (1105)	Trout	
"		4	SP,LT	50,50	CD, CD/CC				45 (1445)		
"		5	LT	100	CD/CH				41 (1320)		
Trib to High	11/9/93	1	ST/LT	67,33	CD/CH, CD/CH				45 (1515)		
Hamner	8/31/93	1	ST,LT	50,50	HA/CD, CD/CH				54 (1430)	CT,SC	RAAU, DIEN, Tadpole
"		2	SP	100	HA/CD				53 (1400)	CT	
"		3	MT	100	CD/CC					Trout	
"		4	ST	100	CH/HA				51 (0935)		
		5									
Trib to Hamner	9/4/93	1	SS,SP	40,60	HA/HA, HA/HA				54 (1110)		
McKinley	7/7/93	1	SP	100	HA/HA				55 (1500)	Trout	RAAU
"		2	SP	100	HA/HA				54 (1500)	Trout	ESDU
"		3	MT	100	CC/HA						TAGR, RAAU, DIEN
"		4	ST	100	HA/CD				54 (1100)		ESDU
"		5	ST	100	CD/CC				52 (1200)		RAAU
"		6	MT	100	CD/CC				50 (1500)		
"		7	MT	100	CD/CH				52 (1100)		
Trib to McKinley	7/28/93	1							55 (1200)		
Chalk	7/28/93	1								RB, SC	DIEN
"		2	SP	100	HA/HV				60 (1500)	RB,CT, SC	DIEN, Tadpole
"		3	ST	100	CH/CD				65 (1335)	Trout	
"		4	GS/SS/ ST/MT	20,20,20,40	GF/CH, HA/HA, CC/HV, CC/CC				67 (1530)	CT	DIEN, RAAU
"		5	SS	100	HA/CD				59 (1145)	Trout	
"		6	ST/LT	50,50	CC/HA, CD/CC				60 (1530)	Trout	
"		7								Trout	
"		8	LT	100	CD/CH				56 (1315)	Trout	
"		9	MT	100	CD/CH				49 (1030)	Trout	
"		10									

(subwatershed 175 continued on next page)

(subwatershed 175 continued from previous page)

BIOLOGICAL INFORMATION ABOUT SPECIES LOCATED IN THE RIPARIAN AREA OF SUBWATERSHED 175

Stream Name	Survey Date	Reach #	Seral Stage (% Inner Riparian)	Percent Inner Riparian	Inner Riparian Species	Seral Stage (% Outer Riparian)	Percent Outer Riparian	Outer Riparian Species	Water Temp. Deg. F (Time)	Fish Species	Amphibian Species
17G 13.4 01.0	10/4/93	1	GF/SP/ ST	20,40,4 0	GF/GF, HA/HB, CY/HB				54 (1130)	Trout	
"		2	ST/LT	77,23	CD/CD, CC/HV				54 (1230)		
"		3	SS/SP/ MT	33,33,3 3	HA/CD, CD/HA, HV/CD				52 (1230)		
"		4									
17G 13.4 01.7	9/28/93	1	GF	100	GF/GF				67 (1345)		Frog
17G 13.4 02.5	10/18/93	1	SP/ST	75,25	HA/HA, CD/CH				47 (1010)	Trout	
"		2	SP/ST/ LT	20,20,6 0	HA/HA, CH/CC, CD/CC				50 (1330)	Trout	
17G 13.4 03.5	9/27/93	1	LT	100	CD/CC						

BIOLOGICAL INFORMATION ABOUT SPECIES LOCATED IN THE RIPARIAN AREA OF SUBWATERSHED 241

Stream Name	Survey Date	Reach #	Seral Stage (% Inner Riparian)	Percent Inner Riparian	Inner Riparian Species	Seral Stage (% Outer Riparian)	Percent Outer Riparian	Outer Riparian Species	Water Temp. Deg. F (Time)	Fish Species	Amphibian Species
Glade	7/17/92	1									
		2								Trout, CT	Salamander
		3									
Fisher	8/23/93	1	SP/MT	17,83	HA/CC, CC/CD				50 (1155)	CT, SC	
		2	SS/LT/ MT	14,29, 57	HV/CD, HA/CD, CC/CD				49 (1530)	CT,SC	
		3	SS/SP/ ST/LT	20,40, 20,20	HV/CD, HA/CD, HA/CD, CD/CH				47 (1245)	CT,SC	
		4	SP	100	HA/CD				45 (1310)	Trout	Tadpole
		5	MT	100	CC/HB				46 (1205)	Trout	Tadpole
		6	LT	100	CD/CH				44 (1550)		
		7									HYRE
		8									Salamander THEL
Trib to Fisher		1	SP/LT	83,17	HA/HB, CD/CC				46 (1317)	Trout below culvert	
Cayuse	7/11/92	1	ST	100	HA/HM						
		2	LT	100	CD/CC						
		3									
		4	MT	100	CD/CH				47 (1230)	CT	
		5	MT	100	CD/CH				45 (1300)		
		6									
Minute	9/6/94									CT	
Box Canyon	9/6/94									CT	

BIOLOGICAL INFORMATION ABOUT SPECIES LOCATED IN THE RIPARIAN AREA OF SUBWATERSHED NORTH FORK

Stream Name	Survey Date	Reach #	Seral Stage (% Inner Riparian)	Percent Inner Riparian	Inner Riparian Species	Seral Stage (% Outer Riparian)	Percent Outer Riparian	Outer Riparian Species	Water Temp. Deg. F (Time)	Fish Species	Amphibian Species
North Fork	8/26/91	1	ST	100	HA/CD	ST/LT	91,9	CD/HB, CD/CD	62	RB, CT	
"		2	SP/ST	20,80	HA/HB, CD/HA	ST	100	CD/CB		RB, CT	
"		3	SP/ST	25,75	HA/CD, HA/CD	ST/LT	75,25	CD/CH, CD/CC		RB, CT	
"		4	ST	100	HA/CD	ST	100	CD/HB	63	RB, CT	
"		5	SP/ST	25,75	HA/CD, HA/CD	ST	100	CD/CH		RB, CT	
"		6	ST	100	HA/CD	ST	100	CD/CC	59	RB, CT	
"		7	SP/ST	33,67	HA/HB, HA/CD	ST/LT	83,17	CD/CH, CD/CH	48	RB, CT	
"		8	SP/ST	36,64	HA/CD, HA/CH	ST/LT	55,45	CH/CD, CD/CH		RB, CT	
"		9	SP/ST	36,64	HA/HC, HA/HC	ST/LT	36,64	CD/HB, CD/CH		RB, CT	
"		10	SP/ST/ MT	68,6, 25	HA/HV, HA/HX, CD/CX	SP/LT/M T	25,25,5 0	HA/HV, CD/CX, CD/CX	55	RB, CT	
"		11	SP/ST/ LT	64,29, 5	HA/HX, HB/HX, HC/HX	LT	94	CD/CX	57		
"		12	SP/ST/ MT	75,16, 8	HB/HA, HA/HX, CD/HB	ST/LT	8,75	HA/HX, CD/CX	53		
"		13	SP/MT	70,30	HA/HX, HB/HX	LT/MT	70,10	CD/CX, CD/CX	53	RB, CT	

BIOLOGICAL INFORMATION ABOUT SPECIES LOCATED IN THE RIPARIAN AREA OF SUBWATERSHED CHRISTY

Stream Name	Survey Date	Reach #	Seral Stage (% Inner Riparian)	Percent Inner Riparian	Inner Riparian Species	Seral Stage (% Outer Riparian)	Percent Outer Riparian	Outer Riparian Species	Water Temp. Deg. F (Time)	Fish Species	Amphibian Species
Christy	7/15/91	1	SP/ST	25,75	HA/CH, HA/CH	ST/LT	63,38	CD/CC, CD/CH	56	CT, SC, Dace	
"		2	GF/SP/ ST	11,11, 78	HX/HA, HA/CD, HA/CC	ST/LT	22,78	CD/CD, CD/CH		CT	
"		3	GF/SP/ ST	6,24, 71	HX/HA, HA/HA, HA/HA	ST/LT	35,65	CD/CH, CD/CH		CT	
"		4	SP/ST/ LT	50,42, 8	HA/CD, CH/HA, CH/CC	ST/LT	50,50	CD/CH, CD/CH	61	CT	
"		5	SS/SP/ ST/LT	6,24, 53,12	HW/HV, HA/HV, CD/CH, CC/CH	SP/ST/ LT	24,24, 53	CD/HV, CD/CH, CD/CH		CT	

STREAMS SURVEYED IN THE NORTH FORK WATERSHED

Stream Name	Sub-watershed	PSUB	Miles Surveyed	Year Surveyed	Method
Short	Westfir (171)	17A	1.1	7/21/94	SMART
Dartmouth	Westfir (171)	17B	4.8	7/07/94	SMART
Huckleberry	Westfir (171)	173	4.6	7/09/91	GP
First & Second	Westfir (171)	177	.1	7/31/91	GP
Third & Fourth	Westfir (171)	176	1.4	7/10/91	GP
Fifth, Sixth, & Seventh	Westfir (171)	175	2.1	7/18/91	GP
Devils Canyon	Devil's Canyon (172)	17X	3.7	7/26/94	SMART
Cedar	Devil's Canyon (172)	17Y	2.7	9/06/94	SMART
Hemlock	Devil's Canyon (172)	17Y	1.6	9/12/94	SMART
Misc. Tribs	Devil's Canyon (172)	17S	1.4	8/10/91	GP
Misc. Tribs	Devil's Canyon (172)	17L	1.1	10/16/92	GP
Sardine	Upper Christy Creek (173)	17K	4.9	8/29/91	GP
Lowell	Upper Christy Creek (173)	17M+N	6.9	7/16/90	GP
Grassy	Upper Christy Creek (173)	179	5.7	6/27/90	GP
Mossy	Upper Christy Creek (173)	179	1.8	8/01/90	GP
Billy	Lower Christy Creek(174)	17H	2.3	8/07/91	GP
Evangiline	Lower Christy Creek (174)	17H	.4	8/06/91	GP
Perdue	Lower Christy Creek(174)	17I	1.6	8/14/91	GP
Nehi	Lower Christy Creek (174)	17J	4.9	9/16/91	GP
Misc. Tribs	Lower Christy Creek(174)	17J	1.3	10/21/92	GP
Christy	NA	NA	10.8	7/15/91	SMART
High	N. Fork Middle Fork Willamette (175)	17D	4.1	11/01/93	SMART
Hammer	N. Fork Middle Fork Willamette (175)	17E	3.5	8/31/93	SMART
McKinley	N. Fork Middle Fork Willamette(175)	17F	4.4	7/07/93	SMART
Chalk	N. Fork Middle Fork Willamette (175)	17G	10.1	7/28/93	SMART
Glade	Fisher Creek(241)	24A	1.1	7/17/92	SMART
Fisher	Fisher Creek (241)	24P	7.1	8/23/93	SMART
Cayuse	Fisher Creek(241)	24W	4.1	7/01/92	SMART
North Fork	NA	NA	45.6	8/26/91	SMART