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**HYDROLOGIC AND WATER QUALITY INVESTIGATIONS RELATED TO PLACER
MINING IN INTERIOR ALASKA: SUMMER 1992**

by

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INTRODUCTION

Monitoring of interior Alaska streams affected by placer mining continued during the 1992 field season by Alaska Division of Water (DOW) investigators. The study, which began in 1984, is a combined effort of the Alaska Departments of Natural Resources (**DNR**), Environmental Conservation (ADEC) and Fish and Game (**ADF&G**). Results of the previous field seasons can be found in Ray (**1992**), Ray (**1991**), Ray (**1990**), Ray (**1989**), **Mack** et. al. (**1988**), **Mack** et al. (**1987**), **Mack** and **Moorman** (**1987**), and **Mack** and **Moorman** (1986).

Several changes were made in the sampling sites for the 1992 field season. Bear Creek was the only stream dropped from the study, but several were added, most in the upper Birch Creek area associated with the Total Maximum Daily Load (TMDL) assessment study (Ray and Morgan, 1993). A total of eight automated Isco sediment samplers were located in the upper Birch Creek area. This report summarizes the data collected from four of those sites. The Eagle Creek above Ptarmigan Creek site and Ptarmigan Creek above Eagle Creek site were previous grab-sample sites, but were automated sites in the TMDL study, with the data summarized in this report. Three additional sites were added: Porcupine Creek above Mammoth Creek, Crooked Creek at the Steese Highway and Fish Creek above Fairbanks Creek. All of these sites had both sediment and flow samplers. An additional site was added on the Chatanika River above Poker Creek (near mile 3.1 Steese Highway). This sediment-sampler only site was operated by the Institute of Northern Forestry. The remaining sites were continued from the 1991 sampling season. These sites are Birch Creek (above Twelvemile Creek and at the Steese Highway bridge), Deadwood Creek, Faith Creek, middle Gold Dust Creek, Goldstream Creek (in Fox and at Standard Creek Road), Little Chena River at Chena Hot Springs Road, and at Prospect Creek at the Dalton Highway. Flow data for the Little Chena River is provided by the US Geological Survey gage (US Geological Survey, 1993).

To ensure consistency of data between the different field seasons, the same sampling and analytical techniques were used during each field season. For details of the methods, see **Mack** et. al. (1988).

RESULTS

Discharge

Heavy snow and cool weather in May resulted in an usually late break-up. Peak flows from break-up usually occur in May, however in 1992 the peak flows were in June. The late break-up delayed the deployment of the field equipment into June. This combined with the early freeze up and snow storm (September 10-12), much less data was collected during the summer of 1992.

June flows were generally higher in 1992 than previous years due to the break-up occurring in June. The remainder of the months were slightly less than previous years. Peak summer flows on most sites occurred during late July. Several days of convective shower activity followed by a frontal system resulted in high flows on most of the monitored streams. Table 1 gives the monthly and season flow records for the study sites. Figures 1-14 shows the hydrographs for the fourteen sites with automated flow records. Appendix A lists the complete flow records for each site.

Table 1. Summary of average monthly discharge data (discharge values in cfs).

Site	Jun	Jul	Aug	Sep	Ave
Birch Creek at Bridge					
1992	2430	1210	1300	801	1420
1991	2700	1050	3070	1540	2090
1990	2100	748	1680	2840	1800
1989	3100*	2000*	675	507	1580
1988	2490	1230	1300	1370	1430
1987	4120	2570	2380	1010	2520
1986	3730	2370	700	828	1910
1985	4600	1710	1930	3790	3010
Birch Creek above 12 Mile Creek					
1992	178	56.1	34.2	29.9	74.5
1991	144	53.0	167	76.9	110
1990	99.3	35.7	49.7	116	75.0
1989	164	89.5	37.4	27.4	73.8
1988	66.9	35.4	47.5	68.0	49.2
1987	196	147	149	74.8	142
1986	207	125	71.2	76.5	120
Crooked Creek					
1992	129	58.9	67.7	23.5	74.3

* Estimate

Table 1 (cont.). Summary of average monthly discharge data (discharge values in cfs).

Site	Jun	Jul	Aug	Sep	Ave
Deadwood Creek					
1992	26.5	14.6	19.3	12.8	18.7
1991	30.4	4.8	17.6	11.8	16.0
Eagle Creek					
1992		10.9	9.03	8.29	9.66
Faith Creek					
1992	194	62.2	40.5	66.2	86.2
1991	144	57.8	165	104	118
1990	82.0	53.5	86.5	251	114
1989	108	47.4	32.4	24.3	49.2
1988	81.8	46.1	91.3	93.9	70.6
1987	113	51.6	134	103	100
1986	107	80.4	141	149	123
Fish Creek					
1992	100	47.4	34.8	25.2	50.4
Gold Dust Creek (middle)					
1992		11.4	5.91	4.63	7.85
1991	15.1	9.3	32.4	11.2	17.4
1990	21.2	6.5	17.4	32.5	21.0
1989	28.1	19.6	7.1	4.3	14.9
Goldstream Creek at Fox					
1992	48.9	34.9	28.3	22.2	34.6
1991	36.4	23.2	29.5	28.5	29.4
Goldstream Creek at Standard Creek Road					
1992	202	109	78.2	64.8	114
1991	139	88.8	89.6	90.3	101
Little Chena River at USGS gage					
1992	932	381	308	208	455
1991	467	257	484	405	403
1990	200	240	282	649	342
1989	473	316	177	144	292
Porcupine Creek					
1992		19.2	19.3	11.6	18.1
Prospect Creek					
1992	209	46.2	94.4	152	117
1991	112	82.0	139	53.0	102
Ptarmigan Creek					
1992		10.3	7.15	7.44	8.08

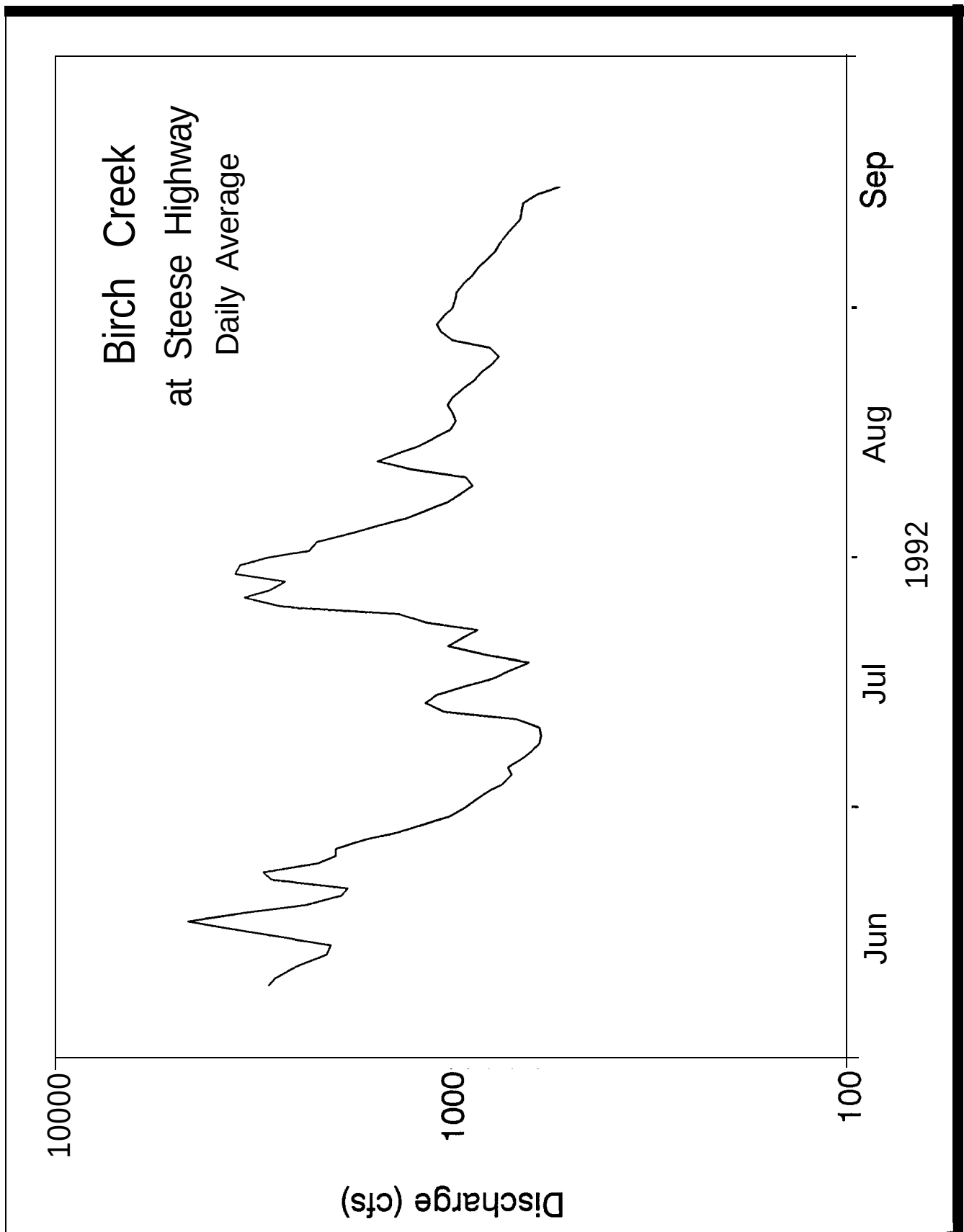


Figure 1. Hydrograph of Birch Creek at Steese Highway Bridge - 1992

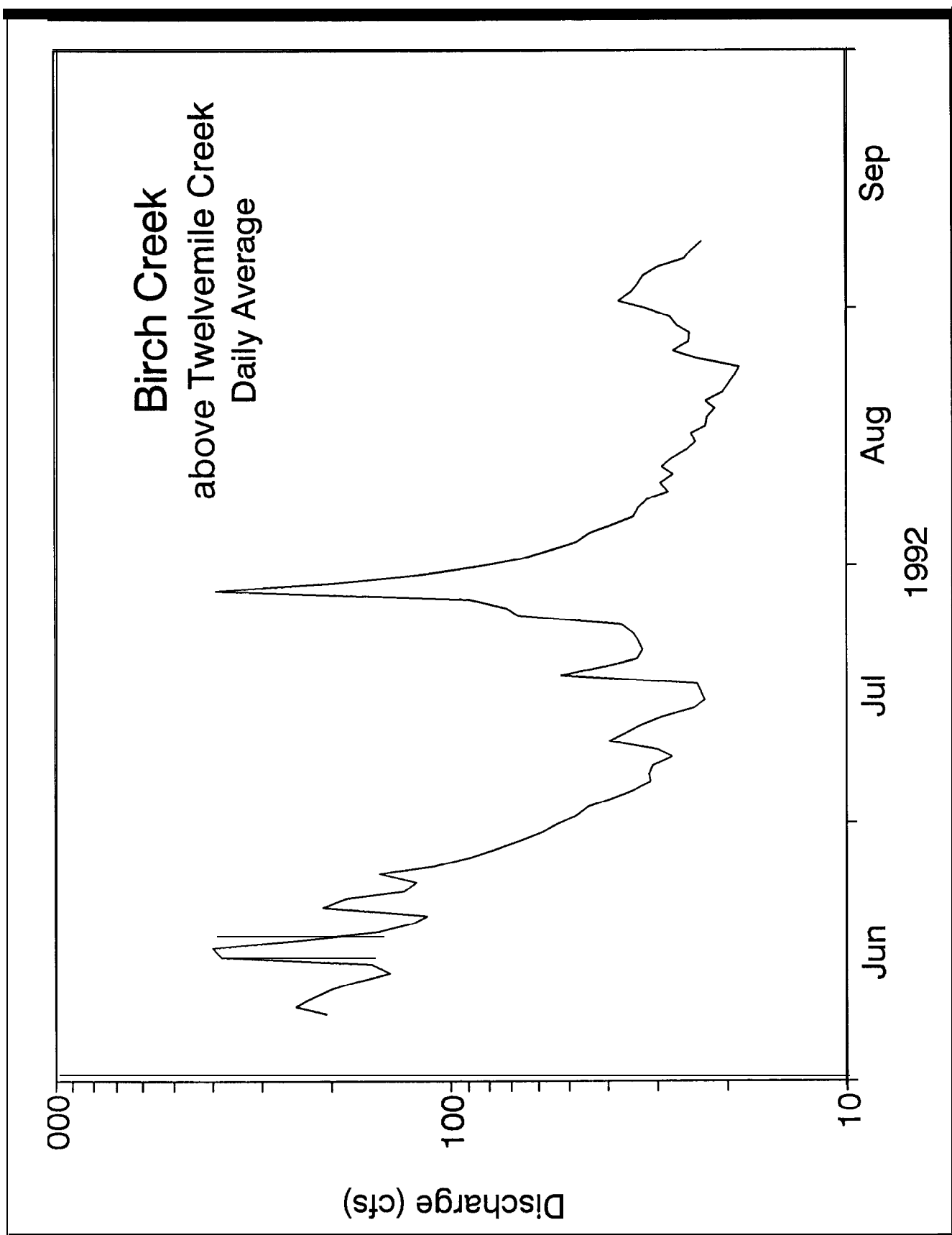


Figure 2. Hydrograph of Birch Creek above Twelvemile Creek - 1992

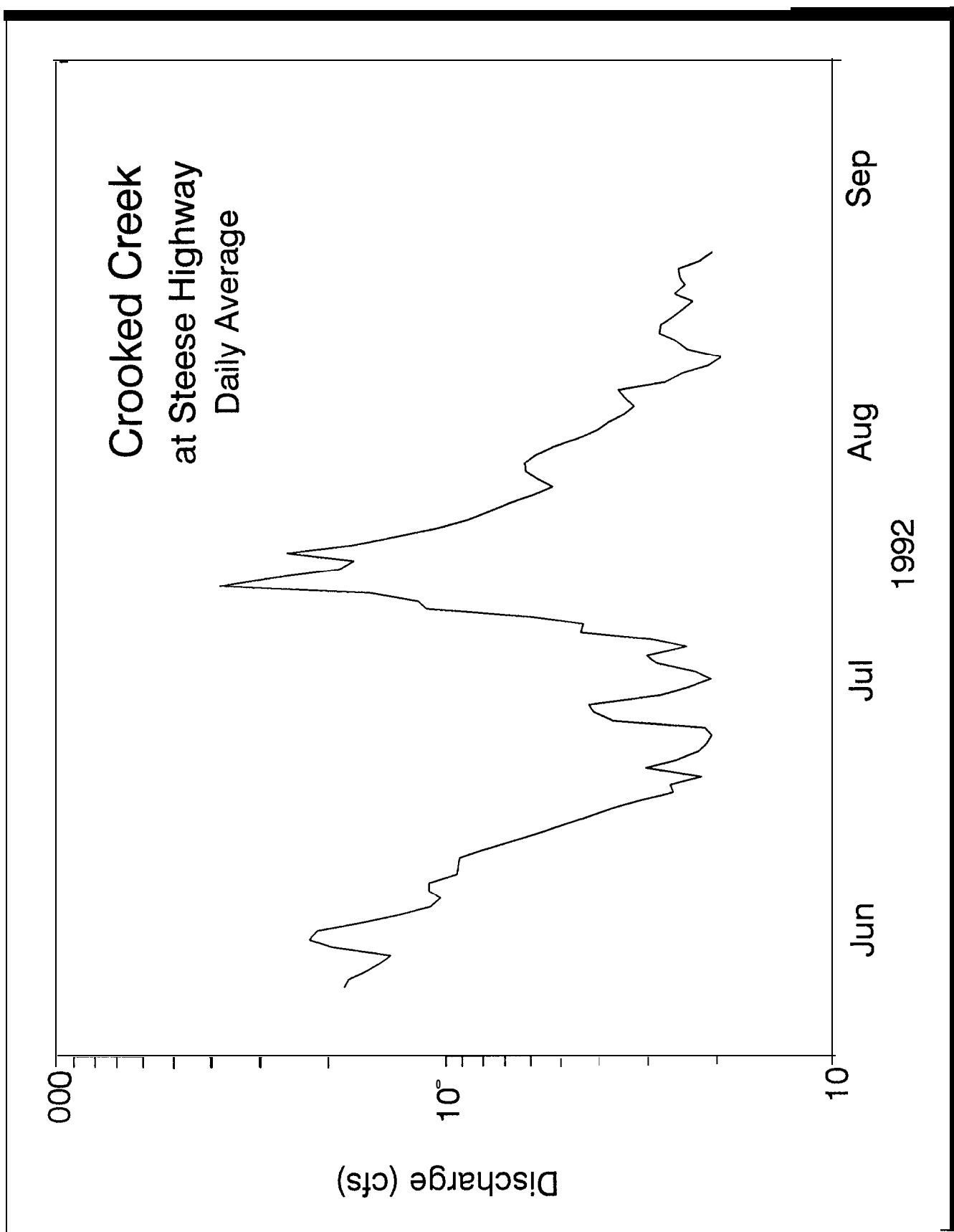


Figure 3. Hydrograph of Crooked Creek at Steese Highway Bridge • 1992

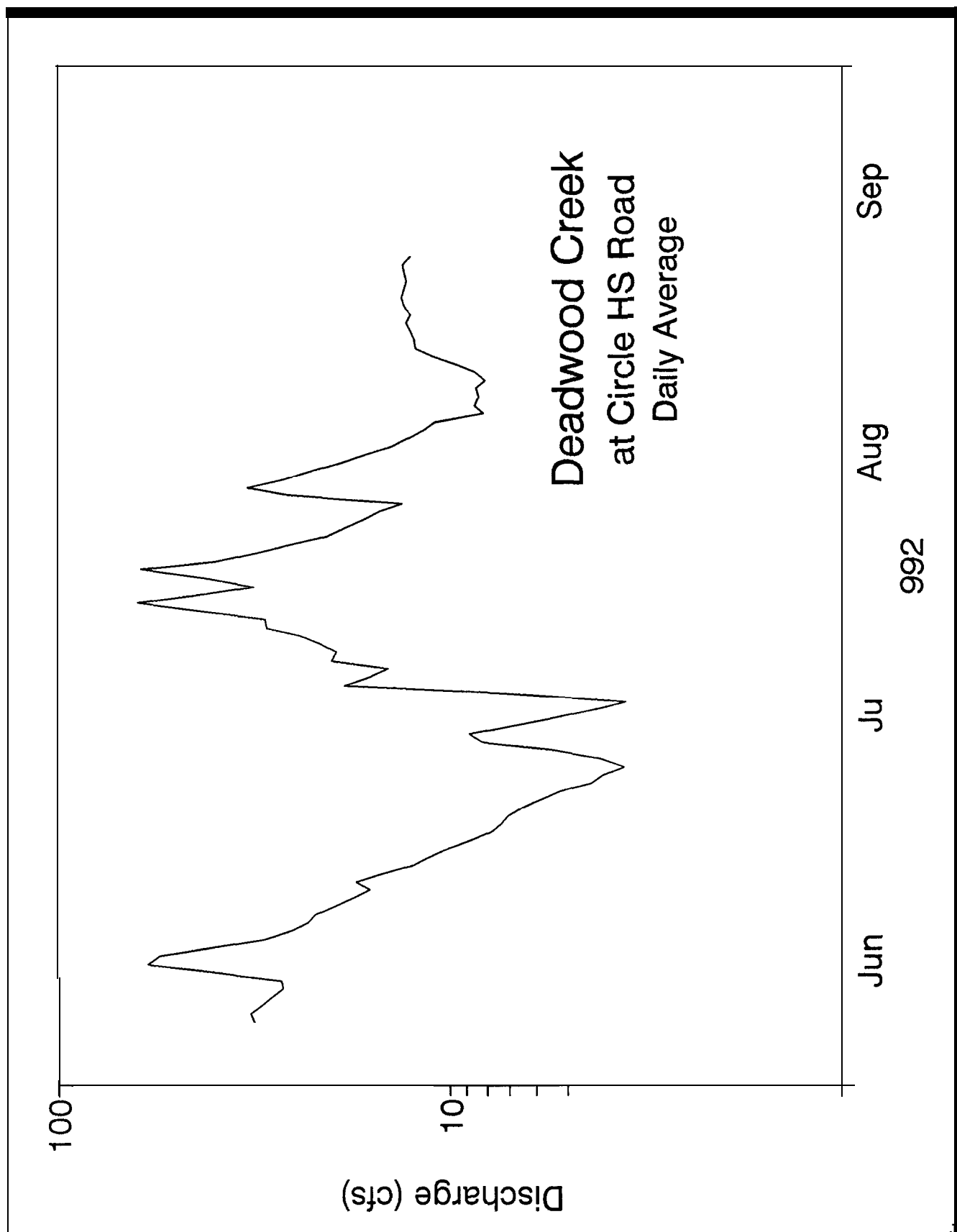


Figure 4. Hydrograph of Deadwood Creek at Circle Hot Springs Road • 1992

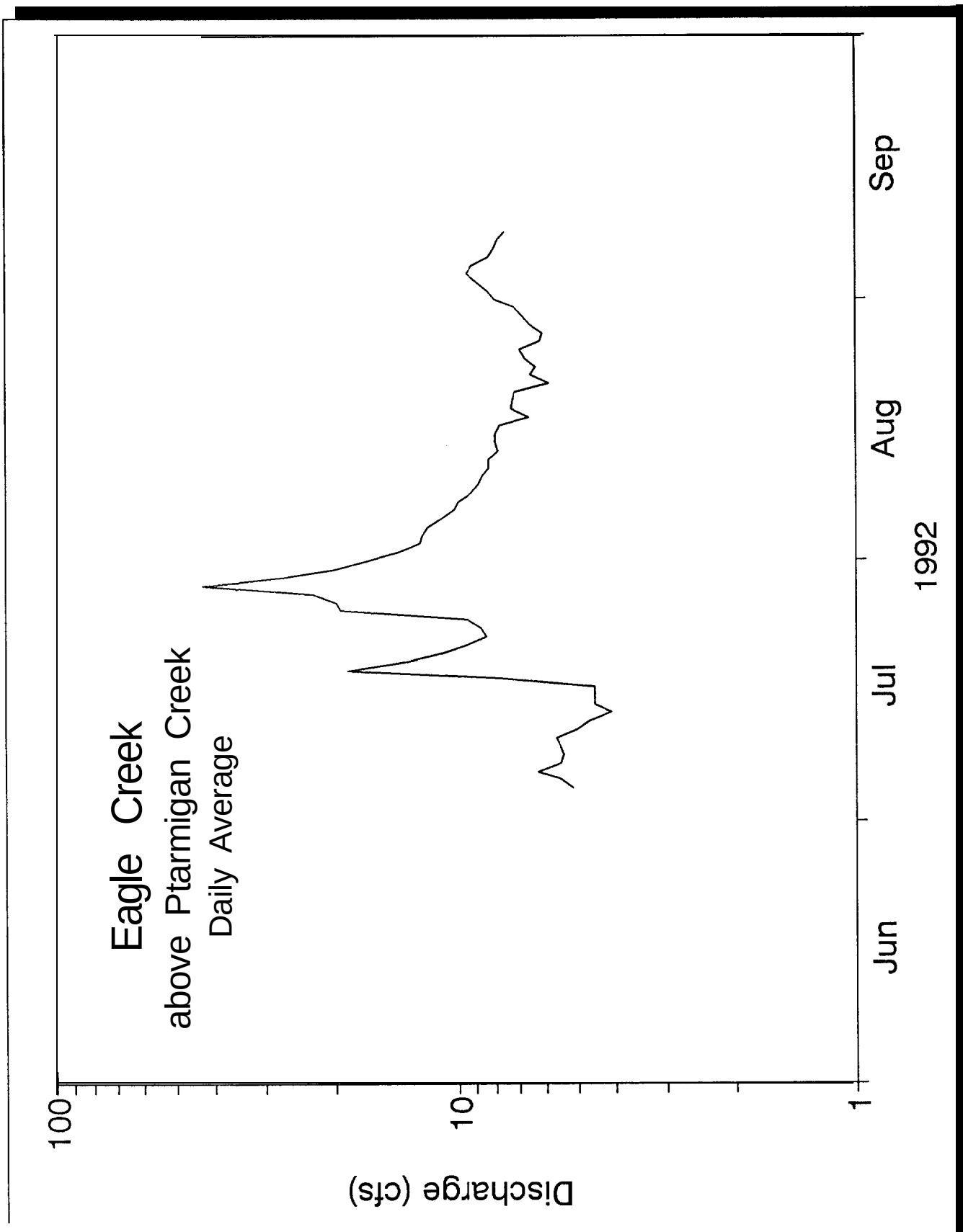


Figure 5. Hydrograph of Eagle Creek above Ptarmigan Creek - 1992

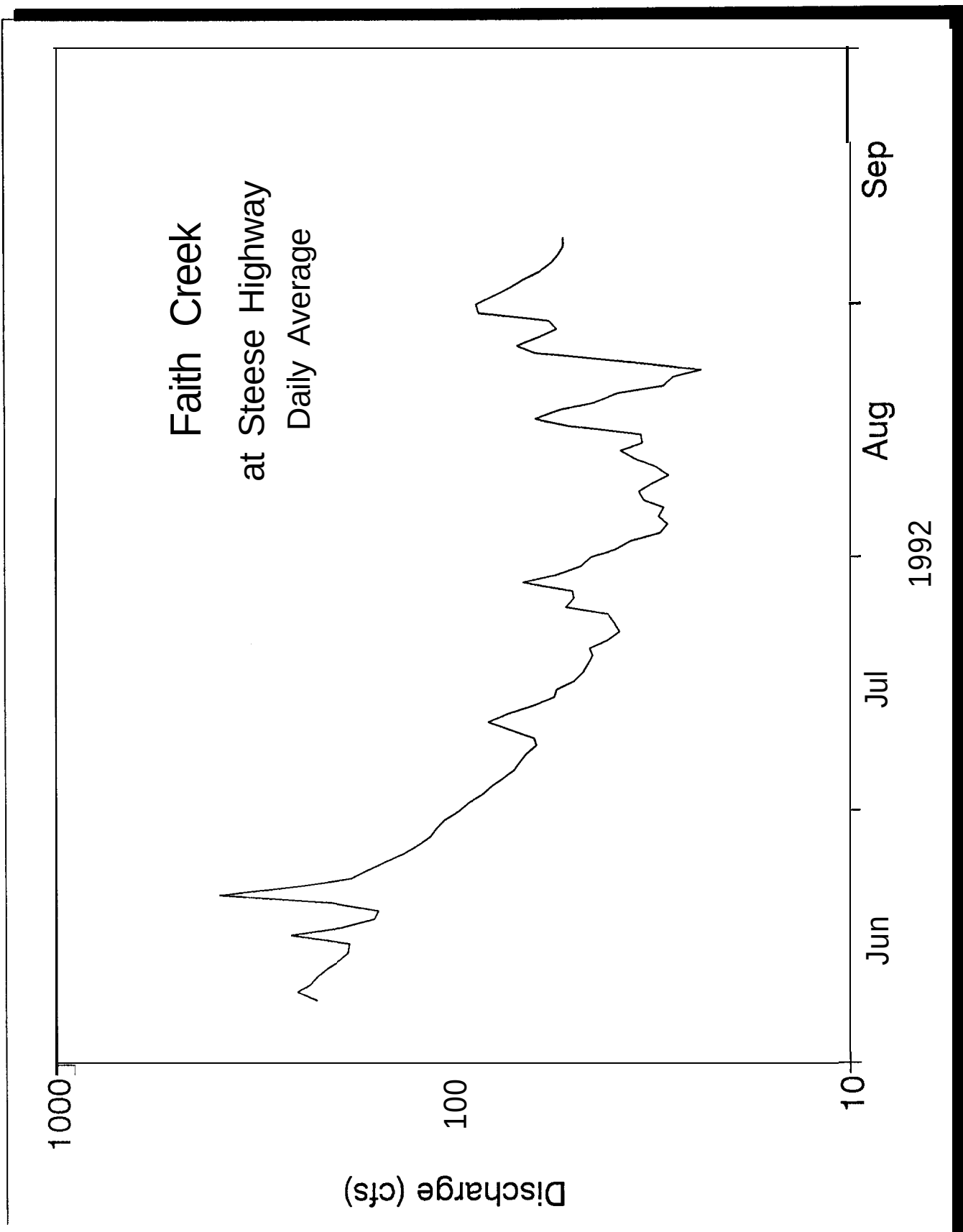


Figure 6. Hydrograph of Faith Creek at Steese Highway Bridge - 1992

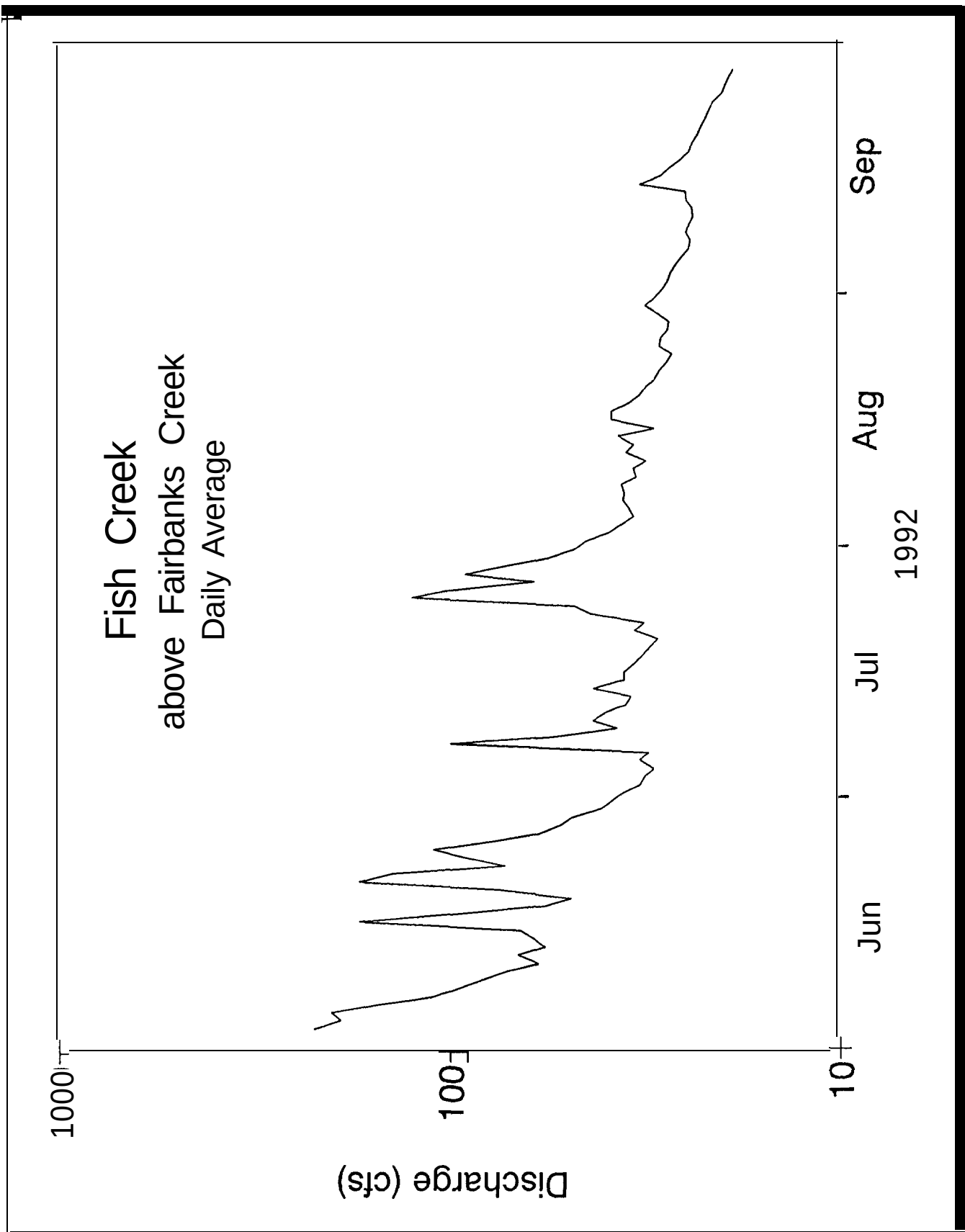


Figure 7. Hydrograph of Fish Creek above Fairbanks Creek - 1992

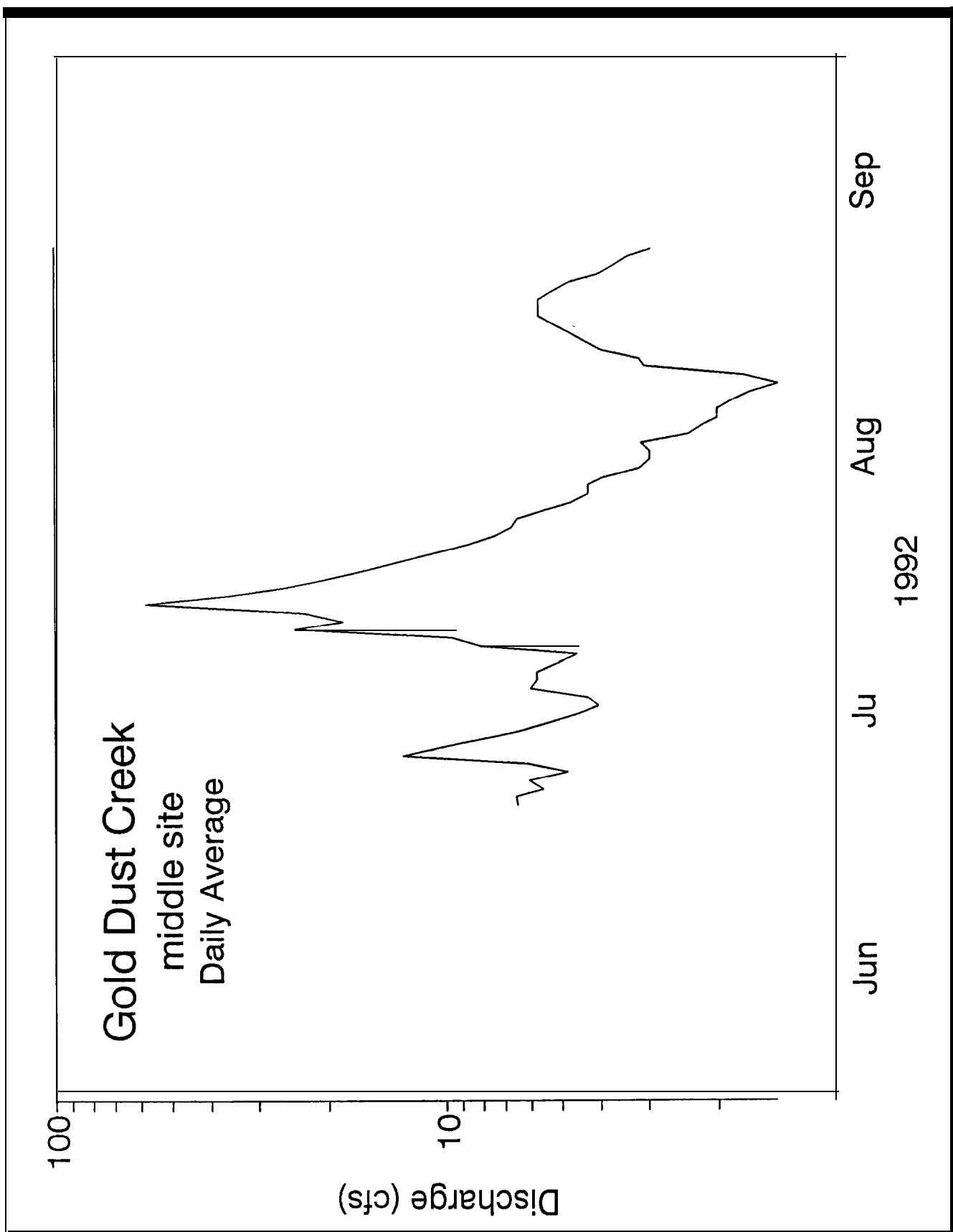


Figure 8. Hydrograph of Gold Dust Creek (middle site) - 1992

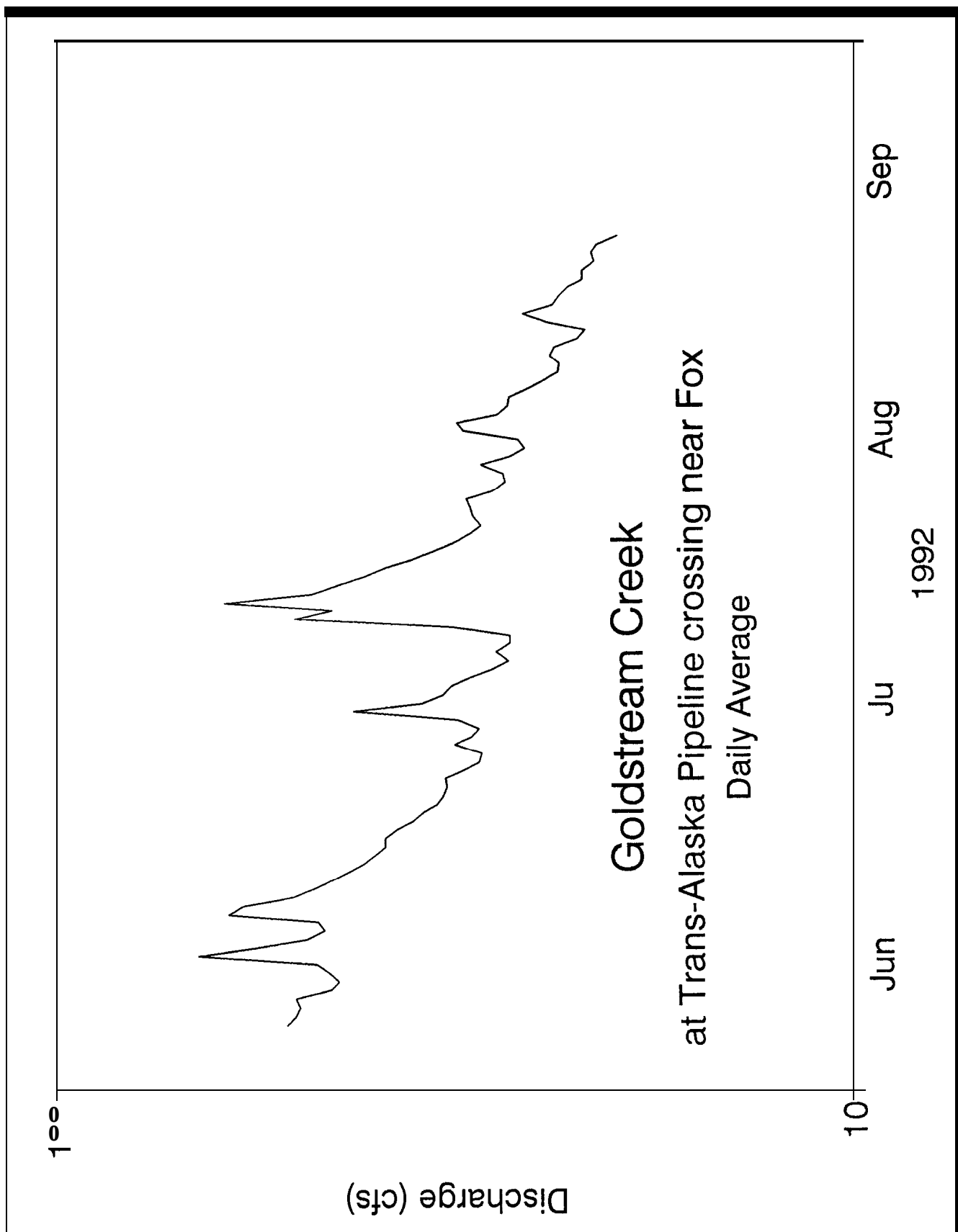


Figure 9. Hydrograph of Goldstream Creek at Trans-Alaska Pipeline crossing near Fox • 1992

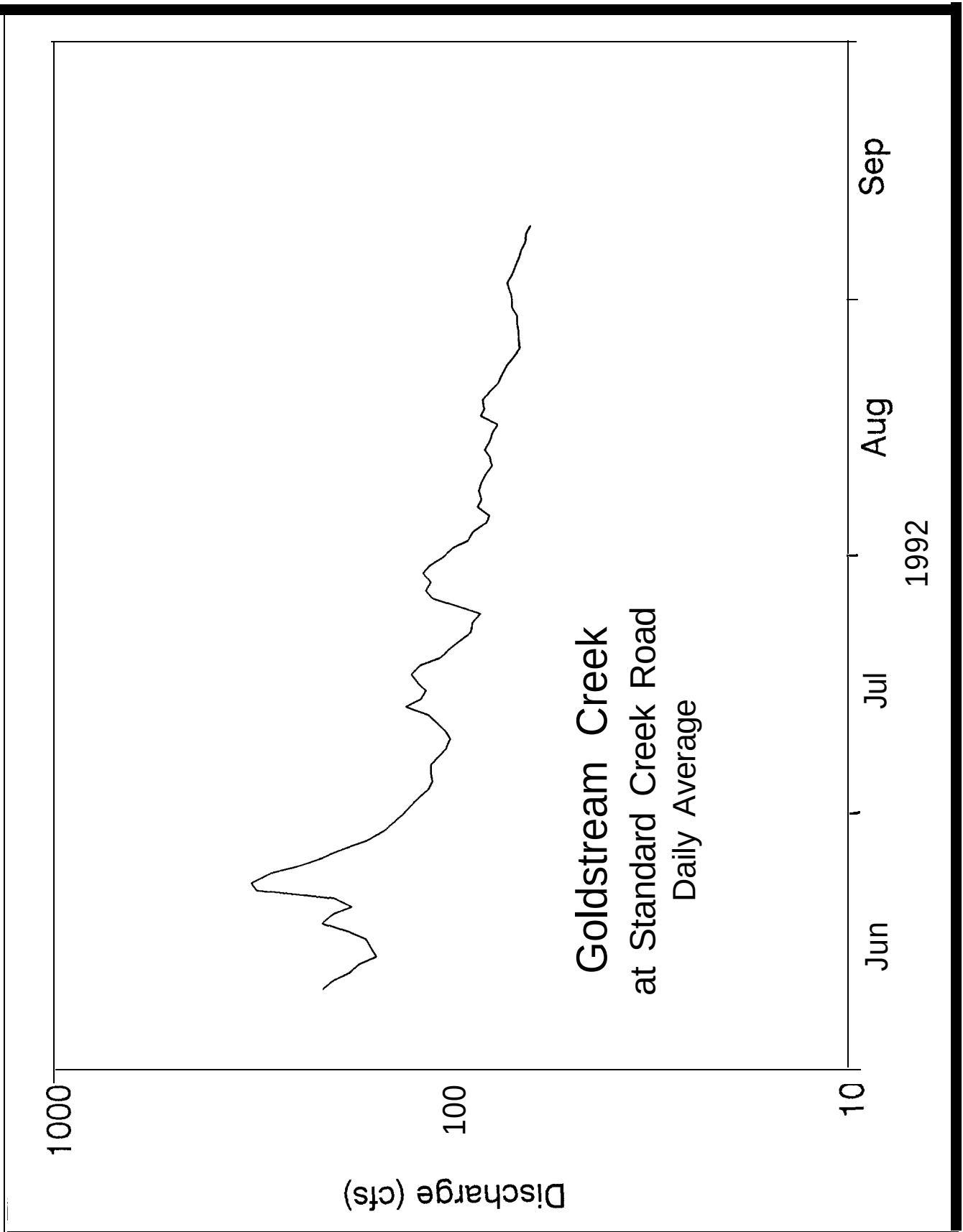


Figure 10. Hydrograph of Goldstream Creek at Standard Creek Road - 1992

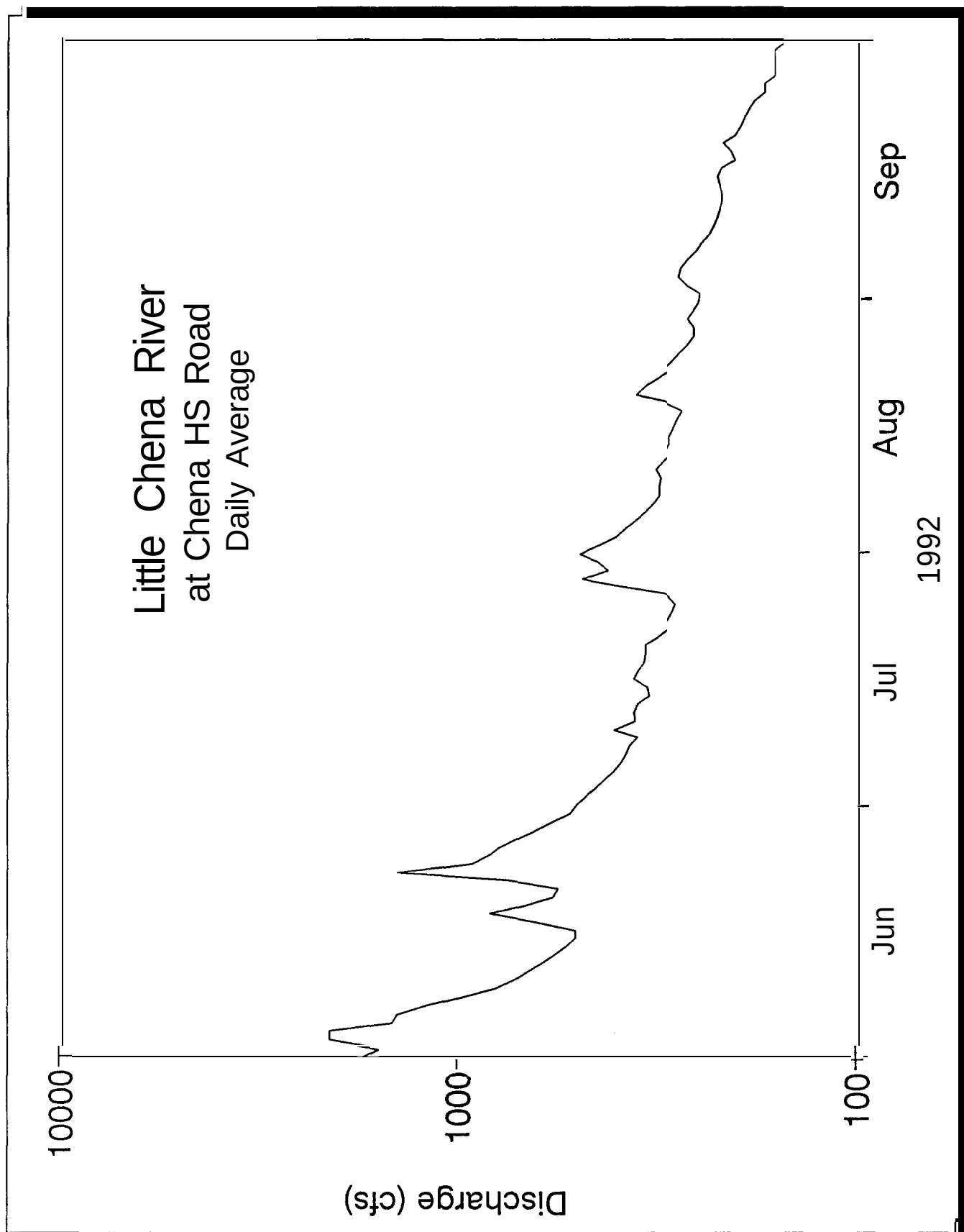


Figure 11. Hydrograph of Little Chena River at Chena Hot Springs Road - 1992

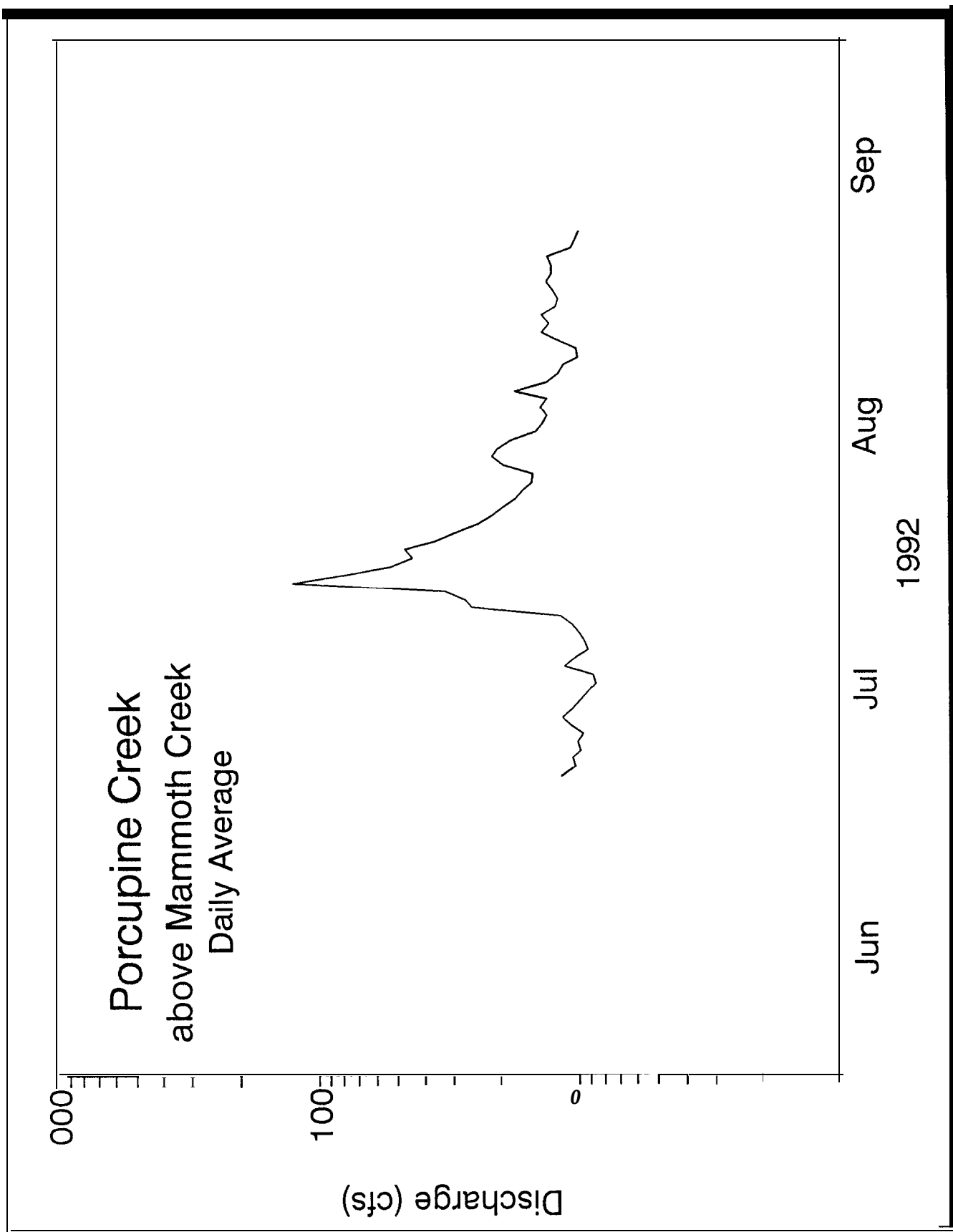


Figure 12. Hydrograph of Porcupine Creek above Mammoth Creek - 1992

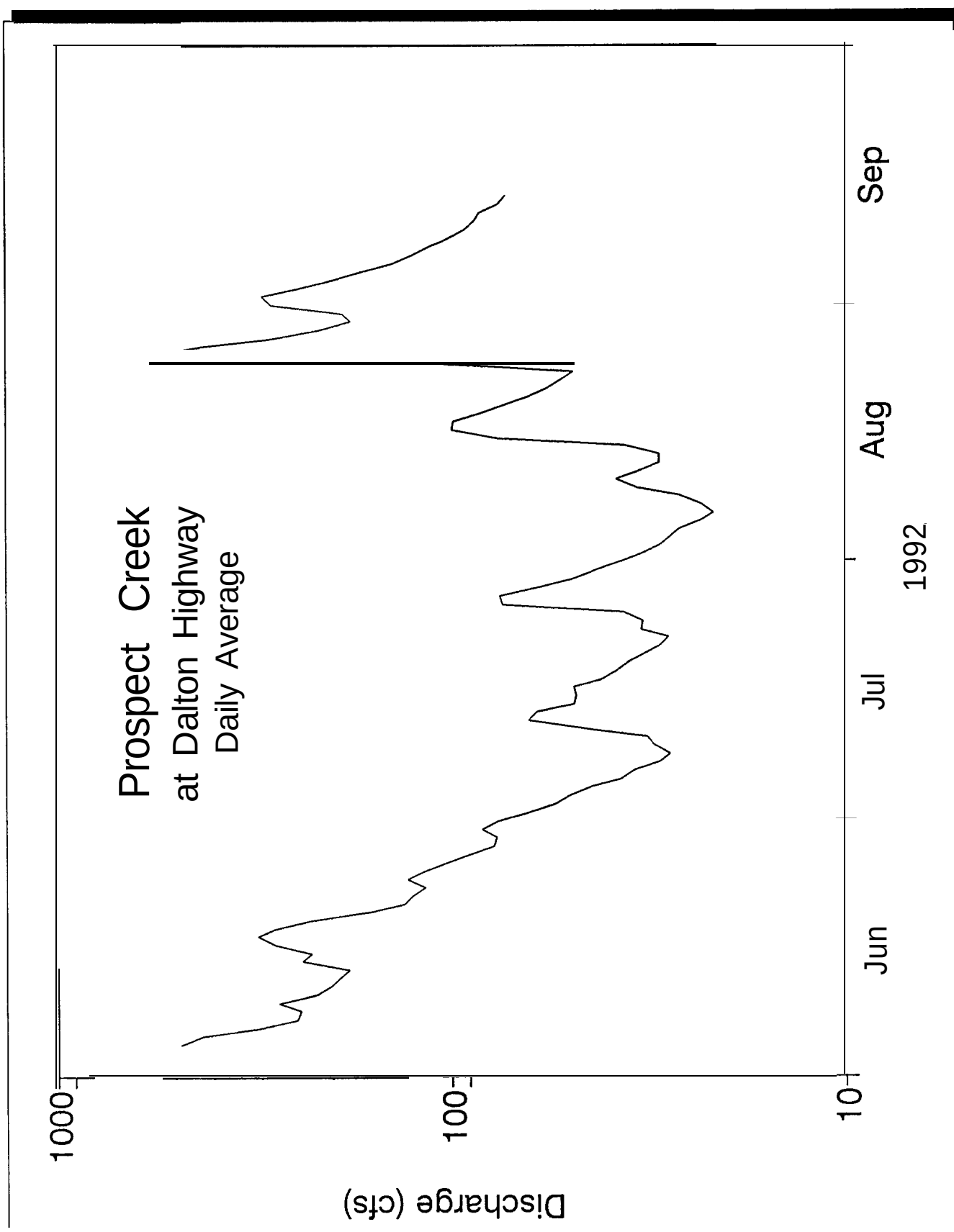


Figure 13. Hydrograph of Prospect Creek at Dalton Highway - 1992

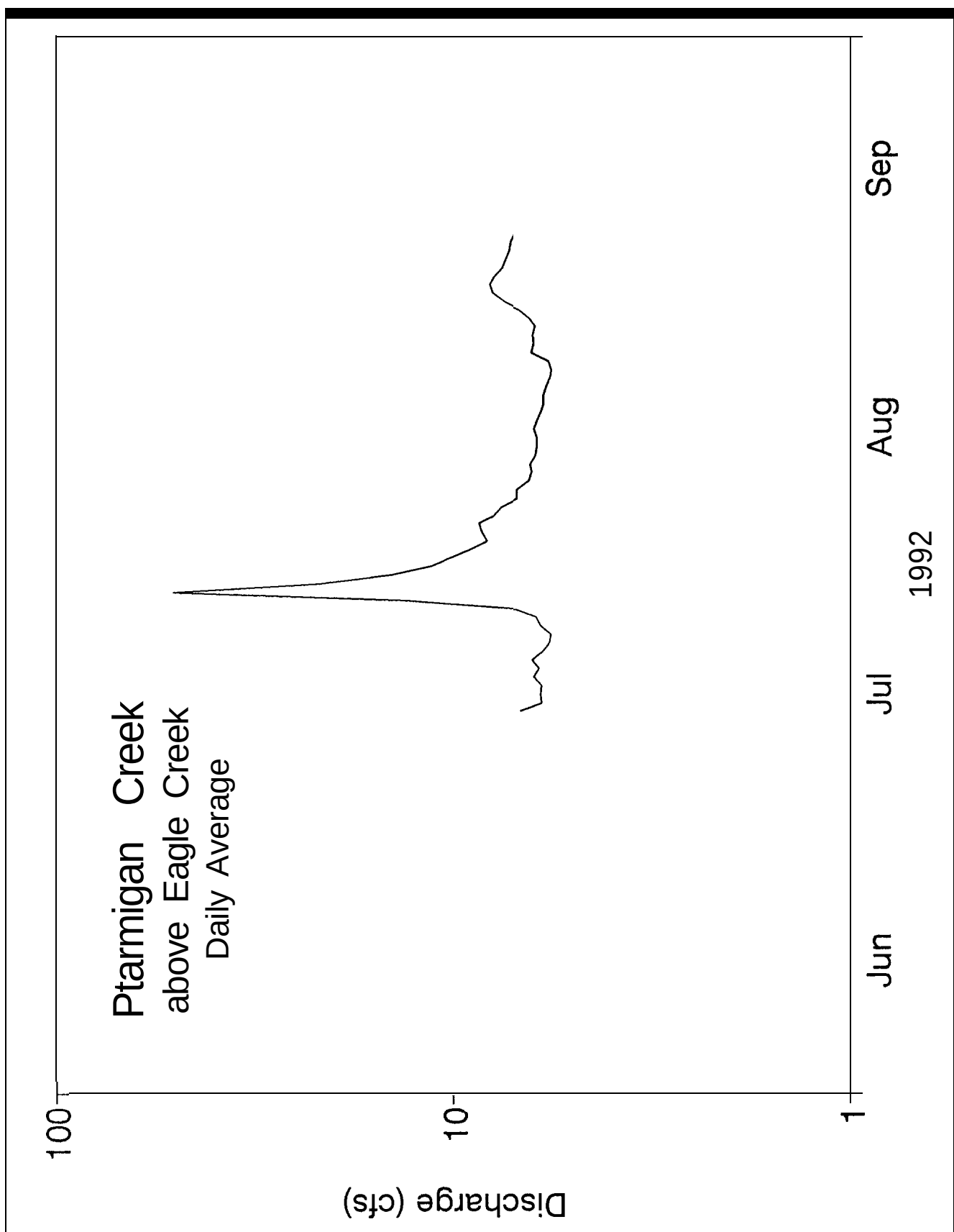


Figure 14. Hydrograph of Ptarmigan Creek above Eagle Creek - 1992

Turbidity

Mean turbidity was generally lower at most sites than in 1991 (Table 2). A few notable exceptions were Faith Creek and Little Chena River. The mean turbidity at Faith Creek increased because of two factors. First, the late break-up flows were sampled during 1992. In previous years, the break-up flows have fallen before monitoring began; and second, **aufies** covered much of the basin near the placer mines. The high break-up flows did not flow in the normal channel, resulting in the erosion and transport of sediment not normally available to the stream. This resulted in high turbidity for most of the month of June, however the flow during the rest of the summer had low turbidity. The median turbidity was 1.2 NTU.

The higher turbidity at the Little Chena River resulted from active placer mining on Fish Creek. Numerous problems were encountered by the miners in 1992. One of the problems was a dam break on July 9. This resulted in the release of sediment into Fish Creek, and ultimately Little Chena River. A complete list of the daily turbidity results from the automated sites are found in Appendix C.

Table 2. *Seasonal mean and median turbidity values from automated sites for all years of available data. All values are in NTU.*

Site	n	Mean	Median
Birch Creek above 12 Mile Creek			
1992	91	13	5.3
1991	131	99	6.1
1990	99	20	6.6
1989	93	56	50
1988	80	92	91
1987	107	206	150
1986	113	236	230
Birch Creek at Bridge			
1992	86	5.8	3.0
1991	122	8.3	4.4
1990	121	5.8	3.8
1989	80	12	6.0
1988	98	11	7.1
1987	106	38	18
1986	54	54	23
1985	20	31	25
Chatanika River			
1992	58	3.4	1.7

Table 2 (cont.). Seasonal mean and median turbidity values from automated sites for all years of available data. All values are in NTU.

Site	n	Mean	Median
Crooked Creek			
1992	91	30	12
Deadwood Creek			
1992	95	8.6	3.6
1991	114	20	4.7
1990	122	32	15
Eagle Creek			
1992	87	140	9.6
Faith Creek			
1992	93	18	1.2
1991	110	3.3	2.5
1990	128	7.6	2.1
1989	98	22	7.1
1988	92	6.5	5.9
1987	121	21	14
1986	80	85	31
Fish Creek			
1992	87	240	180
Gold Dust Creek (middle)			
1992	76	30	2.1
1991	69	16	1.7
1990	72	11	4.5
1989	93	50	9.1
Goldstream Creek at Fox			
1992	75	6.3	4.5
1991	125	7.1	5.2
Goldstream Creek at Standard Creek Road			
1992	89	5.8	5.4
1991	87	5.3	4.2
Little Chena River at USGS gage			
1992	88	31	14
1991	111	9.1	6.5
1990	94	8.5	4.6
1989	62	7.2	4.3
Porcupine Creek			
1992	67	107	75

Table 2 (cont.). Seasonal mean and median turbidity values from automated sites for *all* years of available data. AN values are in *NTU*.

Site	n	Mean	Median
Prospect Creek			
1992	99	3.1	1.9
1991	60	5.1	2.2
Ptarmigan Creek			
1992	54	0.80	0.70

Total Suspended Sediment

The total suspended sediment (**TSS**) values at most sites were lower than 1991 and were the lowest since the study began (Table 3). The exception was Faith Creek. The explanation was discussed in the previous section. A complete list of the daily total suspended sediment results from the automated sites are found in Appendix C.

Table 3. Seasonal mean and median TSS values from automated sites for all years of available data. All values are in *mg/L*.

Site	n	Mean	Median
Birch Creek above 12 Mile Creek			
1992	91	47.6	13.8
1991	131	242	24.7
1990	99	97.6	30.6
1989	93	104	41.3
1988	80	83.7	75.0
1987	107	1360	339
1986	113	293	214
Birch Creek at Bridge			
1992	86	32.0	10.2
1991	122	49.3	20.9
1990	121	57.7	19.8
1989	80	57.0	32.7
1988	98	123	28.0
1987	106	332	112
1986	54	267	166
1985	12	50.6	26.3

*Table 3 (cont). Seasonal mean and median TSS values from automated sites for all years of available data.
All values are in mg/L.*

Site	n	Mean	Median
Chatanika River			
1992	58	23.0	6.76
Crooked Creek			
1992	91	243	74.6
Deadwood Creek			
1992	95	52.8	9.87
1991	114	42.3	14.3
1990	122	187	77.4
Eagle Creek			
1992	87	521	28.5
Faith Creek			
1992	93	37.8	4.58
1991	118	12.5	5.43
1990	128	50.6	9.94
1989	98	51.9	9.75
1988	92	14.7	11.5
1987	121	85.4	28.5
1986	75	599	61.0
Fish Creek			
1992	87	454	188
Gold Dust Creek (middle)			
1992	76	17.5	4.87
1991	69	108	4.55
1990	67	285	69.1
1989	93	666	69.1
Goldstream Creek at Fox			
1992	75	32.5	15.1
1991	125	22.5	13.6
Goldstream Creek at Standard Creek Road			
1992	89	20.2	15.1
1991	87	20.7	10.0
Little Chena River at USGS gage			
1992	88	61.4	29.7
1991	111	71.9	12.4
1990	94	48.6	12.5
1989	62	59.3	32.1
Porcupine Creek			
1992	67	141	68.4
Prospect Creek			
1992	99	15.0	6.21
1991	60	14.0	11.2

Table 3 (cont). Seasonal mean and median TSS values from automated sites for all years of available data. All values are in mg/L.

Site		n	Mean	Median
Ptarmigan Creek	1992	54	1.85	0.98

Sediment Load

At most sites, the average daily sediment load (tons/day) was similar to or slightly **below** values measured in recent years (Table 4). The exception was Faith Creek. The average load at Faith Creek was 234 tons/day in 1992, which was higher than any previous year (the reason for this rise is discussed in the previous sections). However, the average loads at Birch Creek above Twelvemile Creek and Birch Creek at the Steese Highway were near the lowest since the study began. The complete list of daily sediment load is found in Appendix B.

Table 4. Average daily sediment load by month and season (tons/day).

Site	Jun	Jul	Aug	Sep	Ave
Birch Creek at Bridge					
1992	735	181	106	19.5	238
1991	976	65.8	1130	322	652
1990	805	27.5	170	1080	511
1989	1020	515	56.5	18.5	213
1988	2810	188	90.7	175	772
1987	8660	6580	1100		5260
1986	7270	1450		567	3 100
Birch Creek above 12 Mile Creek					
1992	74.2	35.8	1.8	2.2	28.5
1991	236	43.8	533	7.2	206
1990	353	3.2	4.6	18.9	43.8
1989	172	63.6	4.4	1.6	44.4
1988	8.1	8.7	9.1	31.4	12.1
1987	4580	1110	426	32.0	1150
1986	420	79.2	40.2	48.3	147
Crooked Creek					
1992	139	236	61.3	0.9	133

Table 4 (cont). Average daily sediment load by month and season (tons/day).

Site	Jun	Jul	Aug	Sep	Ave
Deadwood Creek					
1992	6.4	4.5	5.6	3.1	5.1
1991	9.9	0.07	1.3	1.9	3.7
Eagle Creek					
1992		21.6	0.6	0.3	8.8
Faith Creek					
1992	986	3.4	0.3	1.1	234
1991	4.6	0.76	14.4	2.1	6.0
1990	13.4	1.7	5.4	166	38.6
1989	185	2.6	0.83	0.51	42.7
1988	6.0	1.4	5.0	3.1	3.4
1987	119	8.9	22.1	13.6	30.9
1986	57.2	31.3	548	57.9	174
Fish Creek					
1992	325	45.5	13.4		121
Gold Dust Creek (middle)					
1992		2.6	0.1	0.1	1.1
1991	0.43	0.66	117	0.27	28.3
1990	62.4	46.9	0.41	4.5	29.7
1989	168	167	2.1	0.22	91.3
Goldstream Creek at Fox					
1992	8.6	6.0	1.4	0.7	4.0
1991	3.1	0.83	3.0	2.1	2.2
Goldstream Creek at Standard Creek Road					
1992	29.1	5.6	1.5	2.5	8.9
1991	15.7	2.0	2.9	3.1	6.8
Little Chena River at USGS gage					
1992	383	93.5	19.1	18.0	90.1
1991	176	5.6	267	22.0	118
1990		38.4	66.1	213	94.8
1989		16.8	35.0	13.5	89.4
Porcupine Creek					
1992		25.1	6.4	4.5	13.2
Prospect Creek					
1992	25.2	0.7	8.0	3.7	9.8
1991	1.5	8.9	8.1	0.23	5.5
Ptarmigan Creek					
1992		<0.1	<0.1	<0.1	co.1

Grab Sites

A summary of the data collected at the grab sites is reported in Table 5. The complete list a the grab site data is located in Appendix D. The number a grab sites decreased in 1992 since five of the sites were converted to automated sites, The data from these five sites (Chatanika River, Crooked Creek, Eagle Creek, Porcupine Creek, and Ptarmigan Creek) are found in the previous sections.

The mean turbidity and TSS values for the sites in the Birch Creek drainage were high due to the sample collected during break-up. The median values for these streams continues to show the trend toward improved water quality. **Ketchem** Creek was the only grab site with the median turbidity greater than 5 NTU.

Table 5. Mean and Median values for turbidity and total suspended solids from grab-sample sites.

Site	number of samples	Mean		Median	
		Turb	TSS	Turb	TSS
Albert Creek					
1992	5	9.2	49.8	2.0	4.71
1991	11	1.6	6.56	1.1	0.40
1990	16	4.3	15.1	1.7	4.62
1989	6	63	213	1.7	2.00
1988	1	0.8	2.15	0.8	2.15
1987	0				
1986	17	19		2.6	
Bedrock Creek					
1992	11	1.3	8.56	0.55	0.97
1991	15	1.9	6.84	0.9	2.00
1990	17	1.5	8.3	1.2	4.17
1989	11	8.8	40.7	1.5	2.60
1988	15	1.0	1.71	0.8	1.27
1987	3	0.8	7.93	0.5	1.60
1986	20	1.9		1.1	
1985	23	0.8		0.5	
1984	9	1.0		1.0	
Boulder Creek					
1992	11	3.4	21.8	0.95	2.92
1991	15	5.4	15.1	1.0	0.80
1990	18	8.0	54.2	2.6	14.3
1989	11	16	139	1.9	2.80
1988	14	0.7	1.76	0.7	1.46
1987	3	1.0	10.6	0.4	1.60
1986	88	2.7	19.6	1.2	6.4
1985	13	2.0		0.5	
1984	2	2.8		2.8	

Table 5 (cont). Mean and Median values for turbidity and total suspended solids from grab samples.

Site	number of samples	Mean Turb	Mean TSS	Median Turb	Median TSS
Chatanika River at 39 Mile Steese					
1992	see automated data				
1991	15	1.5	4.38	0.9	1.41
1990	17	2.7	13.3	1.5	3.73
1989	11	1.1	1.43	0.9	1.20
1988	2	0.7	2.68	0.7	2.68
1987	1	23	154	23	154
1986	10	4.7		2.2	
1985	28	10		7.6	
1984	24	24		19	
Crooked Creek at Steese					
1992	see automated data				
1991	15	42	66.9	20	26.5
1990	17	25	77.1	21	43.2
1989	12	45	131	31	7.15
1988	13	120	93.4	110	81.3
1987	3	140	530	90	102
1986	25	150		140	
1985	34	410		240	
1984	7	840		790	
Deadwood Creek					
1992	see automated data				
1991	114	20	42.3	4.7	14.3
1990	122	32	187	15	77.4
1989	13	43	93.1	14	6.60
1988	14	54	63.9	47	52.9
1987	13	180	275	110	81.9
1986	26	65		36	
1985	35	670		350	
1984	4	920		1100	
Eagle Creek					
1992	see automated data				
1991	15	66	262	36	73.6
1990	17	66	288	37	170
1989	12	410	405	343	210
1988	7	490	344	120	70.4
1987	1	920	1660	920	1660

Table 5 (cont). Mean and Median values for turbidity and total suspended solids from grab samples.

Site	number of samples	Turb	Mean TSS	Turb	Median TSS
Ketchem Creek					
1992	11	131	298	100	119
1991	15	290	1300	240	524
1990	18	148	389	70	51.3
1989	13	190	725	157	501
1988	15	300	288	230	200
1987	12	620	463	520	304
1986	25	240		140	
1985	33	820		650	
1984	4	880		750	
Mammoth Creek					
1992	11	28.9	156	1.1	2.71
1991	15	8.0	25.0	4.6	16.3
1990	17	19	40.2	15	10.5
1989	14	125	120	68	30.7
1988	15	260	463	200	179
1987	4	180	359	180	204
1986	117	290	620	250	310
1985	31	350		290	
1984	8	400		310	
Pedro Creek					
1992	10	11.1	47.7	3.2	2.46
1991	13	22	11.4	14	8.46
1990	6	7.3	23.3	3.6	12.6
Ptarmigan Creek					
1992	see automated data				
1991	15	1.2	4.56	0.7	0.79
1990	17	0.9	3.43	0.4	1.63
1989	11	1.2	2.26	1.1	1.89
1988	8	0.9	1.49	1.0	1.33
1987	1	1.4	11.7	1.4	11.7
Sourdough Creek					
1992	11	11.2	40.8	2.7	1.57
1991	15	3.7	3.66	2.6	1.55
1990	16	1.9	4.68	1.4	2.82
1989	10	2.1	2.18	1.4	2.04
Twelvemile Creek					
1992	10	0.8	5.12	0.4	0.40
1991	15	0.7	1.98	0.6	0.78
1990	16	3.8	10.6	0.7	3.50
1989	11	1.8	7.24	0.9	0.85
1988	13	0.7	1.83	0.6	1.24
1987	4	0.6	3.87	0.6	2.20

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Appendix A

Birch Creek at Steese Highway Bridge

Daily Average Discharge - 1992 (cfs)

Date	Jun	Jul	Aug	Sep
1		1020	3400	1040
2		930	2940	998
3		878	2290	982
4		810	2190	971
5		749	1850	930
6		707	1540	888
7		726	1310	858
8		669	1150	822
9		633	1030	785
10	2910	605	949	758
11	2800	599	892	730
12	2560	607	925	698
13	2300	691	1270	675
14	2070	1050	1540	668
15	2030	1180	1370	661
16	2600	1100	1210	610
17	3560	938	1100	537
18	4610	802	1010	
19	3340	707	982	
20	2320	644	997	
21	1910	828	1030	
22	1830	1030	995	
23	2860	949	935	
24	2990	864	884	
25	2180	1170	845	
26	1970	1370	795	
27	1960	2710	764	
28	1680	3340	807	
29	1380	2880	997	
30	1180	2640	1070	
31		3520	1090	
Average	2430	1210	1300	801

Season Average = 1420 cfs

Peak Flow - 4810 cfs on June 18

Appendix A (cont)

Birch Creek above Twelvemile Creek

Daily Average Discharge ■ 1992 (cfs)

Date	Jun	Jul	Aug	Sep
1		58.4	118	27.6
2		52.7	83.6	31.9
3		47.8	65.4	37.3
4		44.6	54.6	34.6
5		39.2	47.7	33.4
6		34.4	44.4	32.2
7		31.0	38.3	29.4
8		31.2	34.2	25.4
9	206	30.6	33.3	24.4
10	246	27.3	31.7	23.0
11	225	29.8	28.0	
12	200	39.5	29.4	
13	175	35.8	27.2	
14	142	32.7	29.0	
15	159	29.1	27.3	
16	379	24.1	24.9	
17	399	22.7	24.0	
18	247	23.2	24.4	
19	152	23.7	22.6	
20	124	52.2	22.3	
21	114	40.6	21.3	
22	212	33.6	22.4	
23	185	32.5	20.4	
24	132	33.4	19.6	
25	121	34.4	19.1	
26	151	36.6	18.5	
27	110	67.3	23.7	
28	88.8	71.6	27.1	
29	75.8	89.6	24.8	
30	66.6	391	24.7	
31		198	26.5	
Average	178	56.1	34.2	29.9

Season Average ■ 74.5 cfs

Peak Flow ■ 498 cfs on July 30

Appendix A (cont)

Crooked Creek at Steese Highway Bridge

Daily Average Discharge ■ 1992 (cfs)

Date	Jun	Jul	Aug	Sep
1		42.8	185	25.5
2		36.8	170	23.9
3		31.3	253	22.6
4		25.7	173	25.2
5		26.1	131	23.7
6		21.8	105	24.5
7		30.2	86.4	24.5
8		25.4	76.5	21.7
9		22.1	67.3	20.2
10	182	21.1	59.1	
11	179	20.4	52.1	
12	162	21.2	56.8	
13	147	36.5	61.0	
14	138	40.9	61.7	
15	197	42.4	58.1	
16	224	27.8	51.5	
17	214	23.6	44.9	
18	168	20.4	39.9	
19	130	22.4	37.5	
20	110	28.2	33.8	
21	103	29.9	32.2	
22	110	23.6	33.9	
23	110	28.8	35.2	
24	93.2	44.4	26.7	
25	92.4	43.7	24.0	
26	91.6	60.3	20.7	
27	80.3	111	19.2	
28	67.1	116	23.2	
29	57.9	155	25.0	
30	49.2	378	27.5	
31		267	27.3	
Average	129	58.9	67.7	23.5

Season Average ■ 74.3 cfs

Peak Flow ■ 468 cfs on July 30

Appendix A (cont)

Deadwood Creek at Circle Hot Springs Road

Daily Average Discharge ▪ 1992 (cfs)

Date	Jun	Jul	Aug	Sep
1		8.74	31.1	12.5
2		7.76	41.6	12.8
3		7.32	60.6	12.5
4		7.03	39.3	13.0
5		6.43	30.9	13.2
6		5.80	25.7	13.0
7		5.13	20.5	12.8
8		4.32	18.4	13.0
9	31.1	4.01	16.6	13.1
10	31.8	3.55	14.8	12.5
11	30.1	4.10	13.1	
12	28.3	5.48	25.5	
13	26.4	8.17	32.6	
14	26.5	8.81	26.2	
15	39.8	7.00	22.1	
16	57.9	5.39	19.0	
17	54.4	4.19	16.2	
18	38.8	3.52	14.0	
19	29.5	7.20	12.6	
20	25.2	18.5	11.5	
21	22.8	15.9	10.9	
22	21.8	14.2	8.12	
23	19.7	19.8	8.56	
24	17.5	19.3	8.37	
25	15.8	21.1	8.47	
26	17.3	24.0	8.04	
27	14.4	29.0	8.59	
28	12.3	29.2	9.50	
29	11.1	44.0	11.0	
30	9.87	61.7	12.2	
31		41.7	12.2	
Average	26.5	14.6	19.3	12.8

Season Average ▪ 18.7 cfs

Peak Flow ▪ 92.0 cfs on August 2

Appendix A (cont)

Eagle Creek above Ptarmigan Creek

Daily Average Discharge ■ 1992 (cfs)

Date	Jun	Jul	Aug	Sep
1			20.3	7.17
2			16.7	8.02
3			14.0	8.41
4			12.4	8.90
5			12.2	9.44
6		5.13	11.9	9.18
7		5.50	10.9	8.31
8		6.30	10.2	8.06
9		5.48	9.97	7.86
10		5.43	9.24	7.60
11		5.55	8.85	
12		5.65	8.62	
13		5.02	8.29	
14		4.67	8.34	
15		4.11	7.89	
16		4.51	8.00	
17		4.51	8.04	
18		4.52	7.84	
19		7.82	6.60	
20		18.7	7.32	
21		13.4	7.25	
22		10.8	7.17	
23		9.28	5.90	
24		8.43	6.54	
25		8.71	6.36	
26		9.44	6.71	
27		19.4	6.92	
28		19.9	6.19	
29		22.8	6.10	
30		42.6	6.53	
31		26.5	6.86	
Average		10.9	9.03	8.29

Season Average ■ 9.66 cfs

Peak Flow ■ 65.1 cfs on July 30

Appendix A (cont)

Faith Creek at Steese Highway Bridge

Daily Average Discharge ■ 1992 (cfs)

Date	Jun	Jul	Aug	Sep
1		105	47.5	85.2
2		97.1	45.1	86.9
3		91.2	39.1	78.1
4		84.5	35.7	71.6
5		79.6	30.3	65.8
6		75.1	29.0	60.0
7		70.0	30.6	56.2
8		68.3	29.7	53.9
9	222	65.6	33.1	52.4
10	248	61.8	34.2	52.4
11	231	62.8	31.4	
12	220	71.8	28.7	
13	209	81.7	30.9	
14	193	72.9	34.7	
15	184	63.1	38.0	
16	182	55.7	33.3	
17	258	54.8	33.7	
18	190	49.9	50.9	
19	158	47.2	61.8	
20	155	46.3	53.6	
21	204	44.9	44.2	
22	390	45.3	38.6	
23	244	40.6	29.7	
24	181	38.3	28.1	
25	163	39.4	23.8	
26	146	40.9	37.6	
27	133	51.9	62.0	
28	122	49.7	68.7	
29	114	50.2	60.6	
30	110	66.4	54.4	
31		54.9	57.1	
Average	194	62.2	40.5	66.2

Season Average ■ 86.2 cfs

Peak Flow ■ 500 cfs on June 22

Appendix A (cont)

Fish Creek above Fairbanks Creek

Daily Average Discharge ▪ 1992 (cfs)

Date	Jun	Jul	Aug	Sep
1		41.1	56.1	32.2
2		38.5	48.0	30.2
3		35.9	45.3	28.9
4	220	32.9	39.5	28.0
5	190	31.8	36.9	27.5
6	200	30.2	34.2	26.8
7	150	32.9	34.9	25.7
8	110	31.0	36.4	24.8
9	94	99.7	36.0	24.6
10	83	54.6	36.6	25.2
11	71	37.3	33.6	24.8
12	59	43.1	34.2	24.2
13	67	39.8	31.7	24.4
14	57	35.9	35.9	25.2
15	61	34.7	34.3	25.3
16	66	43.3	37.3	33.1
17	170	36.0	30.3	29.1
18	100	36.0	38.8	27.7
19	57	34.0	39.0	25.9
20	49	32.3	35.2	24.7
21	75	30.8	33.1	24.3
22	170	29.6	31.9	23.7
23	140	33.9	30.2	23.1
24	72	32.2	29.3	22.5
25	92	43.9	28.2	22.0
26	110	48.3	27.4	21.5
27	77	125	29.3	20.5
28	59	99.6	29.0	20.1
29	52	61.1	28.1	19.7
30	49	91.3	27.8	19.3
31		71.3	29.5	
Average	100	47.4	34.8	25.2

Season Average ▪ 50.4 cfs

Peak Flow ▪ 650 cfs on July 9 (dam break upstream)

Appendix A (cont)

Gold Dust Creek (middle site)

Daily Average Discharge • 1992 (cfs)

Date	Jun	Jul	Aug	Sep
1			25.7	5.21
2			19.8	5.71
3			15.7	5.71
4			13.1	5.72
5			10.5	5.22
6		6.48	8.65	4.74
7		6.55	7.38	4.03
8		5.59	6.74	3.67
9		6.05	6.48	3.37
10		4.82	5.55	2.93
11		6.10	4.73	
12		12.8	4.26	
13		10.2	4.26	
14		8.01	3.89	
15		6.43	3.16	
16		5.37	2.96	
17		4.50	2.96	
18		4.03	3.14	
19		4.26	2.36	
20		6.01	2.17	
21		5.79	1.99	
22		5.81	1.99	
23		5.14	1.82	
24		4.58	1.65	
25		8.06	1.39	
26		9.62	1.71	
27		24.3	3.06	
28		18.2	3.16	
29		22.9	3.97	
30		58.4	4.38	
31		36.1	4.73	
Average		11.4	5.91	4.63

Season Average • 7.85 cfs

Peak Flow • 70.2 cfs on July 30

Appendix A (cont)

Goldstream Creek at Trans-Alaska Pipeline crossing near Fox

Daily Average Discharge ■ 1992 (cfs)

Date	Jun	Jul	Aug	Sep
1		38.8	41.0	25.9
2		37.4	38.6	23.8
3		35.7	35.9	23.3
4		34.7	33.5	22.7
5		33.3	31.5	21.8
6		32.8	30.1	21.8
7		32.4	29.3	21.1
8		32.5	29.9	21.2
9	51.6	31.0	30.2	20.9
10	50.3	29.5	30.5	19.7
11	49.8	29.3	28.3	
12	50.2	31.6	27.3	
13	45.4	30.2	27.5	
14	44.4	29.5	29.2	
15	45.5	31.4	27.0	
16	47.4	42.5	25.8	
17	66.5	34.7	26.3	
18	56.3	32.7	30.8	
19	48.8	32.0	31.3	
20	46.2	30.2	27.9	
21	47.2	28.5	27.0	
22	61.0	27.1	26.9	
23	58.5	28.1	25.7	
24	50.7	27.0	24.5	
25	47.5	27.0	23.4	
26	45.3	31.8	23.3	
27	43.1	50.3	23.9	
28	41.2	45.0	23.7	
29	39.8	61.5	22.1	
30	38.8	47.9	21.6	
31		44.4	24.1	
Average	48.9	34.9	28.3	22.2

Season Average ■ 34.6 cfs

Peak Flow ■ 93.4 cfs on July 28

Appendix A (cont)

Goldstream Creek at Standard Creek Road

Daily Average Discharge - 1992 (cfs)

Date	Jun	Jul	Aug	Sep
1		138	110	66.9
2		131	101	67.1
3		125	96.0	67.8
4		119	88.0	68.6
5		112	85.5	66.5
6		110	79.4	65.5
7		111	77.7	64.3
8		111	82.6	63.1
9		106	81.0	62.0
10		102	82.0	61.3
11	212	99.3	81.2	59.9
12	198	102	78.9	
13	181	106	76.2	
14	170	112	77.0	
15	155	128	78.9	
16	159	117	76.8	
17	164	113	75.6	
18	181	119	73.7	
19	212	123	81.3	
20	198	117	79.0	
21	177	105	79.8	
22	196	98.3	76.4	
23	307	92.1	73.0	
24	317	86.8	71.3	
25	287	85.8	69.5	
26	241	82.3	66.6	
27	207	93.4	64.3	
28	181	109	64.9	
29	160	113	64.5	
30	147	109	65.2	
31		115	65.3	
Average	202	109	78.2	64.8

Season Average ■ 114 cfs

Peak Flow ■ 325 cfs on June 23

Appendix A (cont)

Little Chena River at Chena Hot Springs Road (USGS Gage)

Daily Average Discharge - 1992 (cfs)

Date	Jun	Jul	Aug	Sep
1	1730	509	453	262
2	1580	484	406	275
3	2060	458	386	272
4	2070	435	367	261
5	1450	412	346	251
6	1410	394	329	242
7	1200	387	321	233
8	965	377	321	227
9	813	360	317	222
10	731	412	326	218
11	674	366	313	215
12	622	369	299	215
13	579	360	290	219
14	543	338	291	222
15	515	340	285	217
16	515	370	277	200
17	643	362	269	205
18	835	349	294	214
19	691	345	363	200
20	585	345	346	194
21	568	323	321	189
22	764	303	302	186
23	1410	293	286	180
24	926	286	274	170
25	834	281	261	170
26	794	292	252	160
27	713	392	252	160
28	636	493	261	160
29	578	426	254	160
30	531	452	247	150
31		502	245	
Average	932	381	308	208
Season Average ■ 455 cfs				

Appendix A (cont)

Porcupine Creek above Mammoth Creek

Daily Average Discharge • 1992 (cfs)

Date	Jun	Jul	Aug	Sep
1			51.4	11.9
2			42.4	11.6
3			45.3	12.1
4			35.1	12.8
5			29.3	12.3
6			23.7	12.3
7		11.5	21.0	12.7
8		10.1	19.1	10.4
9		10.3	17.2	10.0
10		9.72	16.0	9.7
11		9.85	14.8	
12		9.51	14.5	
13		10.6	18.9	
14		11.3	21.1	
15		10.4	20.2	
16		9.64	17.7	
17		9.05	14.3	
18		8.48	13.5	
19		8.64	12.8	
20		11.1	13.7	
21		10.2	12.9	
22		9.08	17.2	
23		9.39	12.9	
24		9.80	11.6	
25		10.3	11.1	
26		11.5	9.81	
27		25.2	9.89	
28		26.7	11.8	
29		32.2	13.5	
30		122.4	12.6	
31		74.0	13.4	
Average		19.2	19.3	11.6
Season Average • 18.1 cfs				
Peak Flow • 145 cfs on July 30				

Appendix A (cont)

Prospect Creek at Dalton Highway

Daily Average Discharge ■ 1992 (cfs)

Date	Jun	Jul	Aug	Sep
1		82.8	42.9	188
2		75.4	37.2	286
3		62.5	32.9	302
4		54.1	29.5	248
5	487	49.5	27.9	200
6	428	44.1	26.3	167
7	308	37.1	23.1	141
8	245	34.1	21.6	125
9	240	29.5	23.1	113
10	273	27.7	26.3	101
11	218	30.3	33.4	91.7
12	201	31.7	37.9	86.6
13	192	44.7	32.8	83.9
14	181	63.2	29.5	75.3
15	239	60.0	29.5	72.1
16	226	48.4	36.1	
17	277	47.6	75.4	
18	308	48.6	99.2	
19	279	41.4	98.5	
20	225	37.9	84.2	
21	158	35.3	73.1	
22	131	32.4	62.5	
23	125	29.5	56.8	
24	116	27.9	52.2	
25	129	32.8	48.6	
26	116	32.6	96.5	
27	101	36.5	573	
28	89.2	73.4	426	
29	77.6	74.9	290	
30	76.6	58.4	218	
31		49.3	180	
Average	209	46.2	94.4	152

Season Average ■ 117 cfs

Peak Flow ■ 630 cfs on August 27

Appendix A (cont)

Ptarmigan Creek above Eagle Creek

Daily Average Discharge - 1992 (cfs)

Date	Jun	Jul	Aug	Sep
1			14.4	6.75
2			11.4	7.42
3			10.4	7.95
4			9.10	8.08
5			8.29	7.88
6			8.52	7.58
7			8.67	7.37
8			7.94	7.24
9			7.58	7.16
10			6.87	7.01
11			6.83	
12			6.39	
13			6.31	
14			6.33	
15			6.17	
16		6.76	6.11	
17		6.00	6.14	
18		6.02	6.19	
19		5.97	6.12	
20		6.26	6.00	
21		6.09	5.90	
22		6.33	5.91	
23		5.94	5.80	
24		5.71	5.69	
25		5.68	5.64	
26		6.05	5.74	
27		6.17	6.29	
28		6.90	6.22	
29		13.1	6.24	
30		49.9	6.18	
31		21.6	6.37	
Average		10.3	7.15	7.44

Season Average - 8.08 cfs

Peak Flow - 89.3 cfs on July 30

Appendix B

Birch Creek at **Steese** Hwy Bridge

Daily Sediment Load ▪ 1992 (tons)

Date	Jun	Jul	Aug	Sep
1			1180	18.5
2			888	39.7
3			224	12.6
4			172	13.6
5			153	26.3
6			71.2	10.8
7		24.6	51.6	11.6
8		11.9	39.1	38.5
9		8.54	24.9	14.3
10	767	9.63	26.6	6.73
11	817	5.51	37.2	9.96
12	574	5.88	15.3	29.6
13	448	7.21	51.8	21.5
14	260	27.3	83.1	
15	323	31.8	41.3	
16	570	24.5	26.1	
17	1720	22.8	22.6	
18	3860	12.9	10.9	
19	966	7.72	10.8	
20	270	8.68	12.8	
21	120	16.2	13.1	
22	88.9	18.5	12.1	
23	664	17.5	13.4	
24	770	15.8	8.94	
25	176	24.2	25.4	
26	75.9	43.8	7.32	
27		747	10.4	
28		1510	9.85	
29		434	11.1	
30		314	18.8	
31		1180	13.3	
Total	12500	4530	3290	254
Average	735	181	106	19.5

Season Total ▪ 20500 tons

Season Average ▪ 238 **tons/day**

Appendix B (cont)

Birch Creek above Twelvemile Creek

Daily Sediment Load - 1992 (tons)

Date	Jun	Jul	Aug	Sep
1		1.54	24.9	0.56
2		1.42	7.83	4.49
3		0.93	4.00	1.57
4		0.62	2.46	2.65
5		0.71	1.29	1.58
6		0.60	1.10	0.96
7		1.29	0.71	1.11
8		2.04	0.88	5.19
9	91.4	1.25	0.56	0.99
10	140	1.09	0.66	2.91
11	102	1.12	0.45	
12	68.5	1.13	0.41	
13	39.4	1.80	0.43	
14	20.3	1.19	0.45	
15	24.8	0.86	0.47	
16	467	0.64	0.28	
17	191	0.22	0.71	
18	48.9	0.21	0.44	
19	19.2	0.30	0.37	
20	6.88	5.07	0.77	
21		2.46	0.33	
22		1.37	0.66	
23		0.88	0.49	
24	53.6	1.18	0.36	
25	18.3	0.64	0.22	
26	93.5	0.44	1.51	
27	10.3	6.71	0.45	
28	7.71	3.51	0.75	
29	4.99	9.57	0.43	
30	2.48	972	0.88	
31		85.0	0.56	
Total	1410	1110	55.8	22.0
Average	74.2	35.8	1.80	2.20

Season Total - 2590 tons

Season Average - **28.5** tons/day

Appendix B (cont)

Crooked Creek at Steese Highway

Daily Sediment Load ■ 1992 (tons)

Date	Jun	Jul	Aug	Sep
1		9.84	324	0.83
2		10.1	540	0.46
3		6.30	524	0.36
4		5.17	82.4	0.49
5		2.30	30.8	0.80
6		4.19	23.3	0.25
7		6.09	49.8	1.54
8		2.96	79.0	2.45
9		2.17	52.3	
10	37.5	1.56	7.16	
11	76.5	2.33	10.4	
12	48.9	1.48	80.2	
13	108	4.54	32.1	
14	38.5	8.39	5.73	
15	331	3.08	4.23	
16	399	2.43	2.62	
17	431	1.91	4.16	
18	590	2.10	3.72	
19	322	2.93	10.4	
20	186	1.81	2.39	
21	47.1	1.92	1.30	
22	63.8	2.29	5.80	
23	57.1	1.46	6.95	
24	48.9	7.51	7.07	
25	41.7	3.28	6.93	
26	27.6	12.8	0.65	
27	27.6	54.9	2.39	
28	13.8	145	0.74	
29	11.0	280	0.82	
30	14.0	5710	0.84	
31		1010	0.62	
Total	2920	73 10	1900	7.18
Average	139	236	61.3	0.90

Season Total ■ 12100

Season Average ■ 133 tons/day

Appendix B (cont)

Deadwood Creek at Circle Hot Springs Road

Daily Sediment Load - 1992 (tons)

Date	Jun	Jul	Aug	Sep
1		0.11	4.83	0.12
2		0.06	44.5	0.19
3		0.05	73.5	0.14
4		0.04	13.2	0.13
5		0.06	5.51	0.12
6		0.04	2.69	0.12
7		0.04	1.71	0.10
8		0.02	1.26	29.1
9		0.01	0.73	1.09
10	3.94	0.02	0.50	0.24
11	3.19	0.02	0.33	
12	0.63	0.04	9.98	
13	1.79	0.05	5.90	
14	3.17	0.07	2.57	
15	13.4	0.04	1.42	
16	45.0	0.02	0.89	
17	34.0	0.03	0.54	
18	13.5	0.03	0.34	
19	6.23	0.17	0.25	
20	3.29	3.01	0.20	
21	1.93	0.87	0.24	
22	1.36	0.44	0.15	
23	0.97	2.05	0.05	
24	0.85	0.83	0.09	
25	0.55	1.26	0.07	
26	0.56	2.92	0.06	
27	0.26	6.68	0.16	
28	0.33	7.07	0.10	
29	0.13	25.5	0.14	
30	0.06	72.5	0.17	
31		15.1	0.17	
Total	135	139	172	31.3
Average	6.43	4.48	5.55	3.13

Season Total • 478 tons

Season Average • 5.14 tons/day

Appendix B (cont)

Eagle Creek above Ptarmigan Creek

Daily Sediment Load - 1992 (tons)

Date	Jun	Jul	Aug	Sep
1			6.22	0.08
2			2.00	0.35
3			1.20	0.28
4			1.20	0.57
5			0.94	0.30
6		1.09	1.70	0.17
7		0.15	0.82	0.36
8		0.18	1.19	0.32
9		0.13	0.40	0.22
10		0.42	0.38	
11		0.72	0.30	
12		0.18	0.26	
13		0.18	0.18	
14		0.12	0.48	
15		0.28	0.13	
16		0.25	0.07	
17		0.63	0.14	
18		0.41	0.12	
19		4.01	0.15	
20		30.9	0.10	
21		14.3	0.09	
22		5.72	0.06	
23		1.81	0.11	
24		1.27	0.07	
25		0.33	0.05	
26		0.77	0.11	
27		13.3	0.13	
28		5.31	0.05	
29		35.2	0.05	
30		414	0.06	
31		29.1	0.09	
Total		561	18.9	2.64
Average		21.6	0.61	0.29

Season Total • 583 tons

Season Average • 8.83 tons/day

Appendix B (cont)

Faith Creek at Steese Highway

Daily Sediment Load ■ 1992 (tons)

Date	Jun	Jul	Aug	Sep
1		42.8	0.17	2.08
2		15.0	0.19	1.18
3		8.46	0.35	0.74
4		6.28	0.17	1.98
5		4.25	0.21	0.85
6		5.10	0.64	0.47
7		4.57	0.18	0.69
8		2.60	0.14	1.16
9	97.0	1.75	0.16	0.66
10	534	1.12	0.31	
11	1060	0.73	0.37	
12	197	0.89	0.20	
13	1460	1.16	0.18	
14	864	0.74	0.36	
15	768	0.74	0.22	
16	1390	0.54	0.18	
17	1120	0.72	0.20	
18	1640	0.46	0.57	
19	732	0.92	0.56	
20	438	0.40	0.57	
21	933	0.46	0.23	
22	6490	0.26	0.51	
23	2380	0.39	0.25	
24	630	0.24	0.22	
25	296	0.14	0.15	
26	203	0.89	0.18	
27	159	0.25	0.80	
28	88.0	0.34	0.82	
29	34.3	0.24	0.46	
30	173	0.60	0.26	
31		0.49	0.25	
Total	2 1700	104	10.1	9.82
Average	986	3.35	0.33	1.09

Season Total ■ 21800 tons

Season Average ■ 234 tons/day

Appendix B (cont)

Fish Creek above Fairbanks Creek

Daily Sediment Load - 1992 (tons)

Date	Jun	Jul	Aug	Sep
1		39.2	29.2	
2		37.7	23.0	
3		10.2	22.6	
4	1100	22.7	10.3	
5	851	12.7	13.1	
6	928	16.1	9.43	
7	409	18.1	10.3	
8	222	71.3	18.2	
9	177	247	12.0	
10	178	245	7.80	
11	154	14.4	7.07	
12	115	16.5	4.99	
13	139	23.5	2.55	
14	125	6.00	6.25	
15	124	3.85	8.22	
16	100	10.6	84.2	
17	1060	4.37	7.72	
18	340	4.09	16.4	
19	94.0	3.79	13.6	
20	66.1	2.38	6.61	
21	138	2.03	4.85	
22		711	4.17	
23	812	11.5	5.07	
24	87.6	3.37	5.52	
25	112	9.97	7.79	
26	152	18.2	7.87	
27	87.1	305	12.1	
28	47.1	109		
29	58.4	28.6		
30	55.8	65.4		
31		46.9		
Total	8440	1410	361	
Average	325	45.5	13.4	

Season Total - 10200 tons

Season Average - 121 tons/day

Appendix B (cont)

Gold Dust Creek (middle site)

Daily Sediment Load - 1992 (tons)

Date	Jun	Jul	Aug	Sep
1			1.43	0.02
2			0.75	0.08
3			0.43	0.02
4			0.24	0.07
5			0.16	0.06
6			0.09	0.03
7		0.23	0.06	0.06
8		0.28	0.04	0.04
9		0.32	0.04	0.01
10		0.14	0.04	
11		0.13	0.06	
12		0.57	0.03	
13		0.19	0.08	
14		0.07	0.03	
15		0.07	0.02	
16		0.04	0.20	
17		0.03	0.03	
18		0.03	0.01	
19		0.07	0.01	
20		0.05	0.01	
21		0.04	0.01	
22		0.04	0.01	
23		0.03	0.01	
24		0.05	0.01	
25		0.29	0.05	
26		0.23	0.11	
27		7.63	0.01	
28		1.18	0.01	
29		5.26	0.02	
30		43.0	0.08	
31		4.93	0.40	
Total		64.9	4.49	0.38
Average		2.60	0.14	0.04

Season Total - 69.8 tons

Season Average - 1.07 tons/day

Appendix B (cont)

Goldstream Creek at Trans-Alaska Pipeline crossing near Fox

Daily Sediment Load ■ 1992 (tons)

Date	Jun	Jul	Aug	Sep
1			5.45	0.90
2		1.83	2.67	0.56
3		1.99	2.72	0.52
4		0.17	2.03	0.50
5		1.19	1.92	0.88
6		1.19	1.68	0.59
7		0.71	1.21	0.49
8		1.01	1.30	1.01
9	9.17	1.01	1.12	0.45
10	6.74	1.03	1.14	
11	6.36	0.71	0.76	
12	8.31	1.02	1.14	
13	4.75	0.96	1.64	
14	3.74	0.61	1.41	
15	3.20		1.07	
16	3.74		0.77	
17	30.7		0.97	
18	8.81		2.32	
19	4.92		2.79	
20	4.49		1.07	
21	3.65		1.00	
22	27.0		0.69	
23	12.0		0.75	
24	0.70		0.38	
25			0.61	
26		6.29	0.89	
27		27.4	0.70	
28		6.32	0.70	
29		41.2	0.69	
30		11.8	0.57	
31		7.81	0.85	
Total	138	114	43.0	5.92
Average	8.63	6.00	1.39	0.66

Season Total ■ 301 tons

Season Average ■ 4.01 tons/day

Appendix B (cont)

Goldstream Creek at Standard Creek Road

Daily Sediment Load - 1992 (tons)

Date	Jun	Jul	Aug	Sep
1		10.1	3.66	3.51
2		9.25	3.17	3.34
3		7.66	2.73	2.25
4		6.86	2.04	1.61
5		5.83	2.24	1.69
6		5.62	2.60	2.36
7		5.54	1.50	3.08
8		5.00	1.70	2.21
9		4.91	1.29	
10		4.76	1.01	
11		4.04	1.21	
12	28.7	4.04	1.00	
13	21.3	5.02	1.15	
14	4.51	6.75	1.10	
15	11.5	8.35	0.99	
16	12.0	7.04	0.97	
17	11.9	5.89	0.87	
18	15.0	7.52	0.72	
19	24.7	8.87	0.68	
20	23.6	6.32	0.61	
21	17.0	5.74	0.62	
22	22.7	4.51	0.67	
23	87.3	3.26	0.70	
24	89.1	2.77	0.51	
25	71.0	2.78	0.51	
26	43.2	2.65	0.65	
27	26.6	3.40	0.92	
28	18.3	4.10	4.67	
29	13.9	4.90	0.91	
30	10.4	4.60	1.78	
31		4.28	2.90	
Total	553	172	46.1	20.0
Average	29.1	5.55	1.49	2.50

Season Total • 792 tons

Season Average • 8.90 tons/day

Appendix B (cont)

Little Chena River at Chena Hot Springs Road (USGS Gage)

Daily Sediment Load ■ 1992 (tons)

Date	Jun	Jul	Aug	Sep
1		54.5	60.1	20.5
2		30.7	43.2	24.5
3		100	35.5	30.3
4		48.1	26.6	27.1
5		44.7	22.3	29.4
6		37.1	20.7	25.0
7		36.5	17.8	22.7
8		23.1	15.5	22.9
9		20.7	18.6	17.5
10		971	21.5	14.7
11		639	15.0	7.29
12		95.1	13.3	7.02
13		53.3	8.13	6.06
14		27.4	9.76	5.13
15		26.0	7.14	10.2
16		30.6	8.95	
17		26.1	26.9	
18		21.6	20.7	
19		19.3	30.4	
20	61.4	22.4	24.1	
21	120	17.0	10.5	
22	463	28.3	12.9	
23	2020	9.35	9.21	
24	427	11.9	7.46	
25	491	12.4	8.12	
26	215	15.5	8.63	
27	137	80.8	7.49	
28	123	140	7.82	
29	87.6	103	32.7	
30	61.3	66.6	22.1	
31		86.4	20.1	
Total	4210	2900	593	270
Average	383	93.5	19.1	18.0

Season Total ■ 7970 tons

Season Average ■ 90.6 tons/day

Appendix B (cont)

Porcupine Creek above Mammoth Creek

Daily Sediment Load - 1992 (tons)

Date	Jun	Jul	Aug	Sep
1			16.7	1.11
2			5.47	2.66
3			6.63	5.08
4			8.37	2.92
5			6.66	3.26
6			8.40	6.75
7		2.63	1.58	10.0
8		1.49	1.38	6.78
9		1.68	1.56	3.89
10		2.26	1.66	2.84
11		1.26	0.72	
12		1.02	1.27	
13		1.51	2.66	
14		1.88	3.85	
15		1.57	1.39	
16		1.76	0.61	
17		1.01	0.56	
18		1.14	53.3	
19		0.79	1.64	
20		1.51	1.86	
21		1.43	3.50	
22		1.68	29.1	
23		1.33	6.89	
24		1.22	5.56	
25		0.68	2.78	
26		0.91	4.30	
27		20.3	4.37	
28		6.12	2.93	
29		14.9	6.21	
30		482	3.04	
31		74.8	3.56	
Total		627	199	45.3
Average		25.1	6.42	4.53

Season Total • 871 tons

Season Average • 13.2 tons/day

Appendix B (cont)

Prospect Creek at Dalton Highway

Daily Sediment Load ■ 1992 (tons)

Date	Jun	Jul	Aug	Sep
1		2.23	1.23	1.92
2		1.26	0.35	3.39
3		0.70	0.84	4.23
4		0.63	0.40	7.38
5	134	0.41	0.49	2.50
6	103	0.41	0.47	1.80
7	25.4	0.33	0.38	1.71
8	11.1	0.32	0.48	7.57
9	6.92	0.17	6.54	0.67
10	10.8	0.45	0.62	5.16
11	7.04	0.81	0.37	4.74
12	5.80	0.17	0.75	
13	4.92	0.84	0.66	
14	4.64	2.22	0.47	
15	11.9	0.97	0.49	
16	30.6	0.52	0.43	
17	175	0.43	2.28	
18	66.6	0.30	1.54	
19	25.3	0.30	1.30	
20	11.9	0.14	1.81	
21	5.51	0.15	0.52	
22	3.43	0.05	0.44	
23	2.31	0.84	0.46	
24	1.70	0.42	0.31	
25	2.09	0.43	0.41	
26	1.29	0.31	1.72	
27	1.02	0.78	179	
28	1.09	1.73	29.1	
29	0.76	1.57	5.53	
30	0.57	1.02	6.80	
31		0.85	1.81	
Total	655	21.8	248	41.1
Average	25.2	0.70	8.00	3.74

Season Total ■ 966 tons

Season Average ■ 9.76 tons/day

Appendix B (cont)

Ptarmigan Creek above Eagle Creek

Daily Sediment Load ■ 1992 (tons)

Date	Jun	Jul	Aug	Sep
1				
2				
3				0.001
4				0.001
5				0.001
6				0.001
7				0.000
8				0.000
9				0.002
10				0.000
11				
12			0.002	
13			0.002	
14			0.002	
15			0.016	
16			0.003	
17		0.008	0.002	
18		0.001	0.001	
19		0.001	0.001	
20		0.004	0.002	
21		0.004	0.001	
22		0.003	0.002	
23		0.004		
24		0.002		
25		0.002		
26		0.004		
27		0.002		
28		0.004		
29		0.005		
30				
31				
Total		0.045	0.033	0.006
Average		0.003	0.003	0.001

Season Total ■ 0.083 tons

Season Average • 0.003 tons/day

Appendix C

Location	Date	Time	Turb	TSS
Birch Creek at Steese Hwy	10-Jun-92		12	97.7
Birch Creek at Steese Hwy	11-Jun-92		13	108
Birch Creek at Steese Hwy	12-Jun-92		9.1	83.1
Birch Creek at Steese Hwy	13-Jun-92		5.6	72.1
Birch Creek at Steese Hwy	14-Jun-92		7.1	46.6
Birch Creek at Steese Hwy	15-Jun-92		13	59.0
Birch Creek at Steese Hwy	16-Jun-92		13	81.2
Birch Creek at Steese Hwy	17-Jun-92		14	179
Birch Creek at Steese Hwy	18-Jun-92		23	310
Birch Creek at Steese Hwy	19-Jun-92		11	107
Birch Creek at Steese Hwy	20-Jun-92		7.0	43.1
Birch Creek at Steese Hwy	21-Jun-92		4.9	23.3
Birch Creek at Steese Hwy	22-Jun-92		3.9	18.0
Birch Creek at Steese Hwy	23-Jun-92		4.2	86.1
Birch Creek at Steese Hwy	24-Jun-92		14	95.4
Birch Creek at Steese Hwy	25-Jun-92		4.4	30.0
Birch Creek at Steese Hwy	26-Jun-92		2.4	14.3
Birch Creek at Steese Hwy	07-Jul-92		20	12.6
Birch Creek at Steese Hwy	08-Jul-92		2.4	6.58
Birch Creek at Steese Hwy	09-Jul-92		2.0	5.00
Birch Creek at Steese Hwy	10-Jul-92		2.0	5.90
Birch Creek at Steese Hwy	1 1-Jul-92		1.7	3.41
Birch Creek at Steese Hwy	12-Jul-92		1.8	3.59
Birch Creek at Steese Hwy	13-Jul-92		1.7	3.86
Birch Creek at Steese Hwy	14-Jul-92		2.9	9.65
Birch Creek at Steese Hwy	15-Jul-92		3.1	10.0
Birch Creek at Steese Hwy	16-Jul-92		3.4	8.26
Birch Creek at Steese Hwy	17-Jul-92		2.9	9.02
Birch Creek at Steese Hwy	18-Jul-92		2.4	5.98
Birch Creek at Steese Hwy	19-Jul-92		1.8	4.05
Birch Creek at Steese Hwy	20-Jul-92		2.1	5.00
Birch Creek at Steese Hwy	21-Jul-92		2.1	7.25
Birch Creek at Steese Hwy	22-Jul-92		2.6	6.67
Birch Creek at Steese Hwy	23-Jul-92		2.3	6.82
Birch Creek at Steese Hwy	24-Jul-92		2.4	6.77
Birch Creek at Steese Hwy	25-Jul-92		2.4	7.67
Birch Creek at Steese Hwy	26-Jul-92		3.1	11.8
Birch Creek at Steese Hwy	27-Jul-92		13	102
Birch Creek at Steese Hwy	28-Jul-92		21	168
Birch Creek at Steese Hwy	29-Jul-92		8.8	55.9
Birch Creek at Steese Hwy	30-Jul-92		8.5	44.2
Birch Creek at Steese Hwy	31-Jul-92		28	124
Birch Creek at Steese Hwy	01-Aug-92		32	128
Birch Creek at Steese Hwy	02-Aug-92		26	112
Birch Creek at Steese Hwy	03-Aug-92		9.2	36.3
Birch Creek at Steese Hwy	04-Aug-92		6.1	29.1
Birch Creek at Steese Hwy	05-Aug-92		7.7	30.6
Birch Creek at Steese Hwy	06-Aug-92		4.2	17.1
Birch Creek at Steese Hwy	07-Aug-92		3.9	14.6

Appendix C (cont)

Location	Date	Time	Turb	TSS
Birch Creek at Steese Hwy	08-Aug-92		3.8	12.6
Birch Creek at Steese Hwy	09-Aug-92		3.0	8.95
Birch Creek at Steese Hwy	10-Aug-92		2.7	10.4
Birch Creek at Steese Hwy	11-Aug-92		2.7	15.5
Birch Creek at Steese Hwy	12-Aug-92		2.8	6.12
Birch Creek at Steese Hwy	13-Aug-92		5.1	15.1
Birch Creek at Steese Hwy	14-Aug-92		6.3	20.0
Birch Creek at Steese Hwy	15-Aug-92		4.2	11.2
Birch Creek at Steese Hwy	16-Aug-92		5.6	8.00
Birch Creek at Steese Hwy	17-Aug-92		2.8	7.62
Birch Creek at Steese Hwy	18-Aug-92		2.2	4.00
Birch Creek at Steese Hwy	19-Aug-92		2.0	4.07
Birch Creek at Steese Hwy	20-Aug-92		2.4	4.76
Birch Creek at Steese Hwy	21-Aug-92		2.1	4.72
Birch Creek at Steese Hwy	22-Aug-92		2.5	4.52
Birch Creek at Steese Hwy	23-Aug-92		2.6	5.30
Birch Creek at Steese Hwy	24-Aug-92		2.6	3.75
Birch Creek at Steese Hwy	25-Aug-92		1.9	11.2
Birch Creek at Steese Hwy	26-Aug-92		2.2	3.41
Birch Creek at Steese Hwy	27-Aug-92		2.5	5.06
Birch Creek at Steese Hwy	28-Aug-92		3.2	4.52
Birch Creek at Steese Hwy	29-Aug-92		2.4	4.14
Birch Creek at Steese Hwy	30-Aug-92		2.0	6.51
Birch Creek at Steese Hwy	31-Aug-92		2.6	4.53
Birch Creek at Steese Hwy	01-Sep-92		2.4	6.60
Birch Creek at Steese Hwy	02-Sep-92		3.2	14.7
Birch Creek at Steese Hwy	03-Sep-92		2.1	4.75
Birch Creek at Steese Hwy	04-Sep-92		2.0	5.19
Birch Creek at Steese Hwy	05-Sep-92		3.9	10.5
Birch Creek at Steese Hwy	06-Sep-92		1.3	4.50
Birch Creek at Steese Hwy	07-Sep-92		1.7	5.00
Birch Creek at Steese Hwy	08-Sep-92		2.3	17.4
Birch Creek at Steese Hwy	09-Sep-92		1.7	6.75
Birch Creek at Steese Hwy	10-Sep-92		1.7	3.29
Birch Creek at Steese Hwy	11-Sep-92		1.7	5.06
Birch Creek at Steese Hwy	12-Sep-92		3.9	15.7
Birch Creek at Steese Hwy	13-Sep-92		3.4	11.8
Birch Creek above Twelvemile Creek	09-Jun-92		60	164
Birch Creek above Twelvemile Creek	10-Jun-92		50	210
Birch Creek above Twelvemile Creek	11-Jun-92		45	168
Birch Creek above Twelvemile Creek	12-Jun-92		38	127
Birch Creek above Twelvemile Creek	13-Jun-92		31	83.3
Birch Creek above Twelvemile Creek	14-Jun-92		25	52.8
Birch Creek above Twelvemile Creek	15-Jun-92		22	57.8
Birch Creek above Twelvemile Creek	16-Jun-92		110	456
Birch Creek above Twelvemile Creek	17-Jun-92		40	178
Birch Creek above Twelvemile Creek	18-Jun-92		17	73.5
Birch Creek above Twelvemile Creek	19-Jun-92		8.6	46.8

Appendix C (cont)

Location					Date	Time	Turb	TSS
Birch Creek	above	Twelvemile Creek			20-Jun-92		8.8	20.5
Birch Creek	above	Twelvemile Creek			24-Jun-92		14	151
Birch Creek	above	Twelvemile Creek			25-Jun-92		9.8	55.9
Birch Creek	above	Twelvemile Creek			26-Jun-92		22	229
Birch Creek	above	Twelvemile Creek			27-Jun-92		13	34.7
Birch Creek	above	Twelvemile Creek			28-Jun-92		6.6	32.2
Birch Creek	above	Twelvemile Creek			29-Jun-92		4.2	24.4
Birch Creek	above	Twelvemile Creek			30-Jun-92		2.8	13.8
Birch Creek	above	Twelvemile Creek			01-Jul-92		2.3	9.77
Birch Creek	above	Twelvemile Creek			02-Jul-92		1.7	10.0
Birch Creek	above	Twelvemile Creek			03-Jul-92		1.7	7.21
Birch Creek	above	Twelvemile Creek			04-Jul-92		1.8	5.13
Birch Creek	above	Twelvemile Creek			05-Jul-92		1.6	6.67
Birch Creek	above	Twelvemile Creek			06-Jul-92		1.4	6.47
Birch Creek	above	Twelvemile Creek			07-Jul-92		1.5	15.5
Birch Creek	above	Twelvemile Creek			08-Jul-92		2.3	24.2
Birch Creek	above	Twelvemile Creek			09-Jul-92		2.0	15.1
Birch Creek	above	Twelvemile Creek			10-Jul-92		2.5	14.9
Birch Creek	above	Twelvemile Creek			11-Jul-92		2.5	13.9
Birch Creek	above	Twelvemile Creek			12-Jul-92		2.5	10.6
Birch Creek	above	Twelvemile Creek			13-Jul-92		1.5	18.7
Birch Creek	above	Twelvemile Creek			14-Jul-92		1.9	13.5
Birch Creek	above	Twelvemile Creek			15-Jul-92		1.1	10.9
Birch Creek	above	Twelvemile Creek			16-Jul-92		1.9	9.88
Birch Creek	above	Twelvemile Creek			17-Jul-92		1.6	3.65
Birch Creek	above	Twelvemile Creek			18-Jul-92		1.4	3.33
Birch Creek	above	Twelvemile Creek			19-Jul-92		1.6	4.72
Birch Creek	above	Twelvemile Creek			20-Jul-92		22	36.0
Birch Creek	above	Twelvemile Creek			21-Jul-92		16	22.5
Birch Creek	above	Twelvemile Creek			22-Jul-92		13	15.2
Birch Creek	above	Twelvemile Creek			23-Jul-92		6.2	10.0
Birch Creek	above	Twelvemile Creek			24-Jul-92		7.2	13.1
Birch Creek	above	Twelvemile Creek			25-Jul-92		5.5	6.89
Birch Creek	above	Twelvemile Creek			26-Jul-92		2.6	4.44
Birch Creek	above	Twelvemile Creek			27-Jul-92		21	37.0
Birch Creek	above	Twelvemile Creek			28-Jul-92		11	18.2
Birch Creek	above	Twelvemile Creek			29-Jul-92		33	39.6
Birch Creek	above	Twelvemile Creek			30-Jul-92		240	921
Birch Creek	above	Twelvemile Creek			31-Jul-92		39	159
Birch Creek	above	Twelvemile Creek	0		1-Aug-92		19	77.9
Birch Creek	above	Twelvemile Creek			02-Aug-92		11	34.7
Birch Creek	above	Twelvemile Creek			03-Aug-92		6.5	22.7
Birch Creek	above	Twelvemile Creek			04-Aug-92		5.9	16.7
Birch Creek	above	Twelvemile Creek			05-Aug-92		3.2	10.0
Birch Creek	above	Twelvemile Creek			06-Aug-92		3.0	9.15
Birch Creek	above	Twelvemile Creek			07-Aug-92		2.6	6.91
Birch Creek	above	Twelvemile Creek			08-Aug-92		5.0	9.57
Birch Creek	above	Twelvemile Creek			09-Aug-92		2.0	6.21
Birch Creek	above	Twelvemile Creek			10-Aug-92		2.8	7.68

Appendix C (cont)

Location					Date	Time	Turb	TSS
Birch Creek	above	Twelvemile	Creek		11-Aug-92		2.3	6.02
Birch Creek	above	Twelvemile	Creek		12-Aug-92		2.7	5.12
Birch Creek	above	Twelvemile	Creek		13-Aug-92		3.3	5.92
Birch Creek	above	Twelvemile	Creek		14-Aug-92		2.6	5.77
Birch Creek	above	Twelvemile	Creek		15-Aug-92		2.4	6.33
Birch Creek	above	Twelvemile	Creek		16-Aug-92		2.5	4.20
Birch Creek	above	Twelvemile	Creek		17-Aug-92		5.3	10.9
Birch Creek	above	Twelvemile	Creek		18-Aug-92		3.1	6.67
Birch Creek	above	Twelvemile	Creek		19-Aug-92		2.1	6.12
Birch Creek	above	Twelvemile	Creek		20-Aug-92		5.5	12.8
Birch Creek	above	Twelvemile	Creek	2	1-Aug-92		2.0	5.77
Birch Creek	above	Twelvemile	Creek		22-Aug-92		1.6	10.9
Birch Creek	above	Twelvemile	Creek		23-Aug-92		1.1	8.94
Birch Creek	above	Twelvemile	Creek		24-Aug-92		1.4	6.81
Birch Creek	above	Twelvemile	Creek		25-Aug-92		1.4	4.25
Birch Creek	above	Twelvemile	Creek		26-Aug-92		5.6	30.3
Birch Creek	above	Twelvemile	Creek		27-Aug-92		2.0	7.01
Birch Creek	above	Twelvemile	Creek		28-Aug-92		8.1	10.3
Birch Creek	above	Twelvemile	Creek		29-Aug-92		6.0	6.40
Birch Creek	above	Twelvemile	Creek		30-Aug-92		13	13.2
Birch Creek	above	Twelvemile	Creek	3	1-Aug-92		7.6	7.90
Birch Creek	above	Twelvemile	Creek		01-Sep-92		3.7	7.52
Birch Creek	above	Twelvemile	Creek		02-Sep-92		12	52.2
Birch Creek	above	Twelvemile	Creek		03-Sep-92		5.4	15.6
Birch Creek	above	Twelvemile	Creek		04-Sep-92		8.7	28.4
Birch Creek	above	Twelvemile	Creek		05-Sep-92		6.4	17.6
Birch Creek	above	Twelvemile	Creek		06-Sep-92		4.5	11.1
Birch Creek	above	Twelvemile	Creek		07-Sep-92		5.7	13.9
Birch Creek	above	Twelvemile	Creek		08-Sep-92		14	75.7
Birch Creek	above	Twelvemile	Creek		09-Sep-92		4.2	15.1
Birch Creek	above	Twelvemile	Creek		10-Sep-92		15	46.9
Chatanika River	above	Poker	Creek		18-Jun-92		6.9	78.6
Chatanika River	above	Poker	Creek		19-Jun-92		4.0	38.3
Chatanika River	above	Poker	Creek		20-Jun-92		4.1	38.7
Chatanika River	above	Poker	Creek		21-Jun-92		5.2	54.1
Chatanika River	above	Poker	Creek		22-Jun-92		65	564
Chatanika River	above	Poker	Creek		23-Jun-92		13	104
Chatanika River	above	Poker	Creek		24-Jun-92		3.7	24.0
Chatanika River	above	Poker	Creek		25-Jun-92		5.4	22.7
Chatanika River	above	Poker	Creek		26-Jun-92		2.6	21.3
Chatanika River	above	Poker	Creek		27-Jun-92		1.8	8.81
Chatanika River	above	Poker	Creek		28-Jun-92		1.3	5.81
Chatanika River	above	Poker	Creek		29-Jun-92		1.6	5.40
Chatanika River	above	Poker	Creek		30-Jun-92		1.4	4.24
Chatanika River	above	Poker	Creek		01-Jul-92		4.0	29.3
Chatanika River	above	Poker	Creek		02-Jul-92		3.2	15.4
Chatanika River	above	Poker	Creek		03-Jul-92		2.8	7.84
Chatanika River	above	Poker	Creek		04-Jul-92		1.5	9.03

Appendix C (cont)

Location					Date	Time	Turb	TSS
Chatauika	River	above	Poker	Creek	05-Jul-92		3.3	10.9
Chatanika	River	above	Poker	Creek	06-Jul-92		1.6	11.3
Chatanika	River	above	Poker	Creek	07-Jul-92		1.1	5.14
Chatanika	River	above	Poker	Creek	08-Jul-92		1.2	5.29
Chatanika	River	above	Poker	Creek	09-Jul-92		1.0	4.97
Chatanika	River	above	Poker	Creek	10-Jul-92		2.0	11.8
Chatanika	River	above	Poker	Creek	11-Jul-92		1.1	4.78
Chatauika	River	above	Poker	Creek	12-Jul-92		1.3	10.6
Chatauika	River	above	Poker	Creek	13-Jul-92		1.7	10.8
Chatauika	River	above	Poker	Creek	14-Jul-92		1.2	5.92
Chatanika	River	above	Poker	Creek	15-Jul-92		1.2	5.71
Chatanika	River	above	Poker	Creek	17-Jul-92		1.1	5.92
Chatanika	River	above	Poker	Creek	18-Jul-92		2.2	7.50
Chatanika	River	above	Poker	Creek	19-Jul-92		1.2	8.49
Chatanika	River	above	Poker	Creek	20-Jul-92		4.9	6.67
Chatanika	River	above	Poker	Creek	21-Jul-92		1.4	9.41
Chatanika	River	above	Poker	Creek	22-Jul-92		2.3	6.57
Chatanika	River	above	Poker	Creek	23-Jul-92		1.6	6.86
Chatanika	River	above	Poker	Creek	24-Jul-92		1.6	6.15
Chatanika	River	above	Poker	Creek	25-Jul-92		1.5	4.44
Chatanika	River	above	Poker	Creek	26-Jul-92		1.6	5.11
Chatanika	River	above	Poker	Creek	27-Jul-92		2.2	7.32
Chatanika	River	above	Poker	Creek	28-Jul-92		2.9	34.9
Chatanika	River	above	Poker	Creek	29-Jul-92		2.0	10.6
Chatanika	River	above	Poker	Creek	30-Jul-92		2.0	13.1
Chatanika	River	above	Poker	Creek	31-Jul-92		5.1	20.6
Chatanika	River	above	Poker	Creek	01-Aug-92		3.1	12.6
Chatanika	River	above	Poker	Creek	20-Aug-92		1.2	5.62
Chatanika	River	above	Poker	Creek	21-Aug-92		0.65	2.48
Chatanika	River	above	Poker	Creek	22-Aug-92		0.75	2.81
Chatanika	River	above	Poker	Creek	23-Aug-92		0.75	2.78
Chatanika	River	above	Poker	Creek	24-Aug-92		1.2	2.57
Chatanika	River	above	Poker	Creek	25-Aug-92		1.0	4.12
Chatanika	River	above	Poker	Creek	26-Aug-92		1.8	2.82
Chatanika	River	above	Poker	Creek	27-Aug-92		0.70	3.37
Chatanika	River	above	Poker	Creek	28-Aug-92		1.7	6.14
Chatanika	River	above	Poker	Creek	29-Aug-92		4.4	5.48
Chatanika	River	above	Poker	Creek	30-Aug-92		0.45	2.65
Chatanika	River	above	Poker	Creek	31-Aug-92		0.50	1.40
Chatanika	River	above	Poker	Creek	01-Sep-92		0.90	2.60
Chatanika	River	above	Poker	Creek	02-Sep-92		2.5	5.71
Crooked Creek	at	Steese	Hwy		10-Jun-92		6.0	76.5
Crooked Creek	at	Steese	Hwy		11-Jun-92		5.6	159
Crooked Creek	at	Steese	Hwy		12-Jun-92		5.9	112
Crooked Creek	at	Steese	Hwy		13-Jun-92		60	273
Crooked Creek	at	Steese	Hwy		14-Jun-92		10	104
Crooked Creek	at	Steese	Hwy		15-Jun-92		90	623
Crooked Creek	at	Steese	Hwy		16-Jun-92		34	661

Appendix C (cont)

Location	Date	Time	Turb	TSS
Crooked Creek at Steese Hwy	17-Jun-92		27	746
Crooked Creek at Steese Hwy	18-Jun-92		35	1300
Crooked Creek at Steese Hwy	19-Jun-92		40	918
Crooked Creek at Steese Hwy	20-Jun-92		33	630
Crooked Creek at Steese Hwy	21-Jun-92		29	170
Crooked Creek at Steese Hwy	22-Jun-92		31	215
Crooked Creek at Steese Hwy	23-Jun-92		31	193
Crooked Creek at Steese Hwy	24-Jun-92		50	194
Crooked Creek at Steese Hwy	25-Jun-92		16	168
Crooked Creek at Steese Hwy	26-Jun-92		26	112
Crooked Creek at Steese Hwy	27-Jun-92		65	128
Crooked Creek at Steese Hwy	28-Jun-92		18	76.3
Crooked Creek at Steese Hwy	29-Jun-92		16	70.2
Crooked Creek at Steese Hwy	30-Jun-92		33	106
Crooked Creek at Steese Hwy	01-Jul-92		23	85.2
Crooked Creek at Steese Hwy	02-Jul-92		24	102
Crooked Creek at Steese Hwy	03-Jul-92		26	74.6
Crooked Creek at Steese Hwy	04-Jul-92		28	74.7
Crooked Creek at Steese Hwy	05-Jul-92		18	32.6
Crooked Creek at Steese Hwy	06-Jul-92		22	71.3
Crooked Creek at Steese Hwy	07-Jul-92		13	74.8
Crooked Creek at Steese Hwy	08-Jul-92		8.3	43.2
Crooked Creek at Steese Hwy	09-Jul-92		8.9	36.4
Crooked Creek at Steese Hwy	10-Jul-92		8.9	27.4
Crooked Creek at Steese Hwy	11-Jul-92		9.1	42.4
Crooked Creek at Steese Hwy	12-Jul-92		6.9	25.9
Crooked Creek at Steese Hwy	13-Jul-92		12	46.1
Crooked Creek at Steese Hwy	14-Jul-92		34	76.0
Crooked Creek at Steese Hwy	15-Jul-92		14	26.9
Crooked Creek at Steese Hwy	16-Jul-92		13	32.5
Crooked Creek at Steese Hwy	17-Jul-92		12	30.1
Crooked Creek at Steese Hwy	18-Jul-92		11	38.2
Crooked Creek at Steese Hwy	19-Jul-92		12	48.4
Crooked Creek at Steese Hwy	20-Jul-92		10	23.8
Crooked Creek at Steese Hwy	21-Jul-92		9.3	23.8
Crooked Creek at Steese Hwy	22-Jul-92		11	36.0
Crooked Creek at Steese Hwy	23-Jul-92		5.1	18.8
Crooked Creek at Steese Hwy	24-Jul-92		14	62.7
Crooked Creek at Steese Hwy	25-Jul-92		8.6	27.8
Crooked Creek at Steese Hwy	26-Jul-92		9.3	78.8
Crooked Creek at Steese Hwy	27-Jul-92		140	184
Crooked Creek at Steese Hwy	28-Jul-92		37	460
Crooked Creek at Steese Hwy	29-Jul-92		120	668
Crooked Creek at Steese Hwy	30-Jul-92		500	5590
Crooked Creek at Steese Hwy	31-Jul-92		350	1410
Crooked Creek at Steese Hwy	01-Aug-92		49	648
Crooked Creek at Steese Hwy	02-Aug-92		36	1180
Crooked Creek at Steese Hwy	03-Aug-92		36	768
Crooked Creek at Steese Hwy	04-Aug-92		24	177

Appendix C (cont)

Location	Date	Time	Turb	TSS
Crooked Creek at Steese Hwy	05-Aug-92		13	87.1
Crooked Creek at Steese Hwy	06-Aug-92		7.3	82.0
Crooked Creek at Steese Hwy	07-Aug-92		8.6	214
Crooked Creek at Steese Hwy	08-Aug-92		8.3	382
Crooked Creek at Steese Hwy	09-Aug-92		6.8	288
Crooked Creek at Steese Hwy	10-Aug-92		8.4	44.9
Crooked Creek at Steese Hwy	11-Aug-92		10	73.9
Crooked Creek at Steese Hwy	12-Aug-92		11	524
Crooked Creek at Steese Hwy	13-Aug-92		7.3	195
Crooked Creek at Steese Hwy	14-Aug-92		8.5	34.4
Crooked Creek at Steese Hwy	15-Aug-92		5.1	27.0
Crooked Creek at Steese Hwy	16-Aug-92		6.1	18.8
Crooked Creek at Steese Hwy	17-Aug-92		3.0	34.4
Crooked Creek at Steese Hwy	18-Aug-92		3.6	34.5
Crooked Creek at Steese Hwy	19-Aug-92		120	103
Crooked Creek at Steese Hwy	20-Aug-92		7.4	26.3
Crooked Creek at Steese Hwy	21-Aug-92		7.1	15.0
Crooked Creek at Steese Hwy	22-Aug-92		5.9	63.4
Crooked Creek at Steese Hwy	23-Aug-92		55	73.1
Crooked Creek at Steese Hwy	24-Aug-92		12	98.2
Crooked Creek at Steese Hwy	25-Aug-92		11	107
Crooked Creek at Steese Hwy	26-Aug-92		6.9	11.7
Crooked Creek at Steese Hwy	27-Aug-92		6.0	46.2
Crooked Creek at Steese Hwy	28-Aug-92		7.1	11.9
Crooked Creek at Steese Hwy	29-Aug-92		13	12.2
Crooked Creek at Steese Hwy	30-Aug-92		11	11.3
Crooked Creek at Steese Hwy	31-Aug-92		5.9	8.42
Crooked Creek at Steese Hwy	01-Sep-92		6.7	12.0
Crooked Creek at Steese Hwy	02-Sep-92		1.8	7.12
Crooked Creek at Steese Hwy	03-Sep-92		2.3	5.95
Crooked Creek at Steese Hwy	04-Sep-92		7.3	7.27
Crooked Creek at Steese Hwy	05-Sep-92		8.5	12.5
Crooked Creek at Steese Hwy	06-Sep-92		3.7	3.73
Crooked Creek at Steese Hwy	07-Sep-92		18	23.2
Crooked Creek at Steese Hwy	08-Sep-92		33	41.9
Deadwood Creek at CHS Road	10-Jun-92		11	45.9
Deadwood Creek at CHS Road	11-Jun-92		12	39.3
Deadwood Creek at CHS Road	12-Jun-92		12	8.21
Deadwood Creek at CHS Road	13-Jun-92		9.3	25.1
Deadwood Creek at CHS Road	14-Jun-92		13	44.4
Deadwood Creek at CHS Road	15-Jun-92		24	125
Deadwood Creek at CHS Road	16-Jun-92		50	288
Deadwood Creek at CHS Road	17-Jun-92		19	232
Deadwood Creek at CHS Road	18-Jun-92		17	130
Deadwood Creek at CHS Road	19-Jun-92		11	78.2
Deadwood Creek at CHS Road	20-Jun-92		6.5	48.4
Deadwood Creek at CHS Road	21-Jun-92		6.1	31.5
Deadwood Creek at CHS Road	22-Jun-92		5.8	23.2

Appendix C (cont)

Location	Date	Time	Turb	TSS
Deadwood Creek at CHS Road	23-Jun-92		4.6	18.2
Deadwood Creek at CHS Road	24-Jun-92		3.9	18.0
Deadwood Creek at CHS Road	25-Jun-92		3.6	12.9
Deadwood Creek at CHS Road	26-Jun-92		3.8	12.0
Deadwood Creek at CHS Road	27-Jun-92		2.8	6.67
Deadwood Creek at CHS Road	28-Jun-92		2.3	9.87
Deadwood Creek at CHS Road	29-Jun-92		2.1	4.47
Deadwood Creek at CHS Road	30-Jun-92		1.2	2.28
Deadwood Creek at CHS Road	01-Jul-92		1.4	4.56
Deadwood Creek at CHS Road	02-Jul-92		1.1	3.00
Deadwood Creek at CHS Road	03-Jul-92		1.0	2.50
Deadwood Creek at CHS Road	04-Jul-92		1.1	2.25
Deadwood Creek at CHS Road	05-Jul-92		1.1	3.25
Deadwood Creek at CHS Road	06-Jul-92		1.0	2.25
Deadwood Creek at CHS Road	07-Jul-92		1.0	2.82
Deadwood Creek at CHS Road	08-Jul-92		0.65	1.54
Deadwood Creek at CHS Road	09-Jul-92		0.70	1.00
Deadwood Creek at CHS Road	10-Jul-92		0.60	2.35
Deadwood Creek at CHS Road	1 1-Jul-92		0.70	1.50
Deadwood Creek at CHS Road	12-Jul-92		0.85	2.50
Deadwood Creek at CHS Road	13-Jul-92		0.95	2.38
Deadwood Creek at CHS Road	14-Jul-92		0.95	2.86
Deadwood Creek at CHS Road	15-Jul-92		0.85	1.98
Deadwood Creek at CHS Road	16-Jul-92		0.70	1.27
Deadwood Creek at CHS Road	17-Jul-92		1.0	2.86
Deadwood Creek at CHS Road	18-Jul-92		0.50	3.00
Deadwood Creek at CHS Road	19-Jul-92		5.2	8.65
Deadwood Creek at CHS Road	20-Jul-92		18	60.5
Deadwood Creek at CHS Road	21-Jul-92		5.0	20.1
Deadwood Creek at CHS Road	22-Jul-92		2.6	11.5
Deadwood Creek at CHS Road	23-Jul-92		8.1	38.4
Deadwood Creek at CHS Road	24-Jul-92		5.4	16.0
Deadwood Creek at CHS Road	25-Jul-92		6.1	22.2
Deadwood Creek at CHS Road	26-Jul-92		5.0	45.1
Deadwood Creek at CHS Road	27-Jul-92		16	85.3
Deadwood Creek at CHS Road	28-Jul-92		17	89.7
Deadwood Creek at CHS Road	29-Jul-92		39	215
Deadwood Creek at CHS Road	30-Jul-92		85	436
Deadwood Creek at CHS Road	3 1-Jul-92		20	134
Deadwood Creek at CHS Road	01-Aug-92		11	57.5
Deadwood Creek at CHS Road	02-Aug-92		90	397
Deadwood Creek at CHS Road	03-Aug-92		18	450
Deadwood Creek at CHS Road	04-Aug-92		21	124
Deadwood Creek at CHS Road	05-Aug-92		20	66.2
Deadwood Creek at CHS Road	06-Aug-92		10	38.8
Deadwood Creek at CHS Road	07-Aug-92		5.8	30.8
Deadwood Creek at CHS Road	08-Aug-92		4.8	25.4
Deadwood Creek at CHS Road	09-Aug-92		6.2	16.3
Deadwood Creek at CHS Road	10-Aug-92		3.4	12.4

Appendix C (cont)

Location	Date	Time	Turb	TSS
Deadwood Creek at CHS Road	11-Aug-92		3.5	9.35
Deadwood Creek at CHS Road	12-Aug-92		26	145
Deadwood Creek at CHS Road	13-Aug-92		12	67.0
Deadwood Creek at CHS Road	14-Aug-92		6.9	36.3
Deadwood Creek at CHS Road	15-Aug-92		9.5	23.8
Deadwood Creek at CHS Road	16-Aug-92		6.1	17.4
Deadwood Creek at CHS Road	17-Aug-92		5.1	12.5
Deadwood Creek at CHS Road	18-Aug-92		3.2	9.15
Deadwood Creek at CHS Road	19-Aug-92		3.3	7.23
Deadwood Creek at CHS Road	20-Aug-92		2.4	6.45
Deadwood Creek at CHS Road	21-Aug-92		3.8	8.13
Deadwood Creek at CHS Road	22-Aug-92		2.2	7.06
Deadwood Creek at CHS Road	23-Aug-92		1.4	2.20
Deadwood Creek at CHS Road	24-Aug-92		1.4	3.82
Deadwood Creek at CHS Road	25-Aug-92		1.3	3.14
Deadwood Creek at CHS Road	26-Aug-92		1.4	2.83
Deadwood Creek at CHS Road	27-Aug-92		3.6	6.72
Deadwood Creek at CHS Road	28-Aug-92		2.0	4.04
Deadwood Creek at CHS Road	29-Aug-92		2.8	4.87
Deadwood Creek at CHS Road	30-Aug-92		1.9	5.13
Deadwood Creek at CHS Road	31-Aug-92		2.4	5.11
Deadwood Creek at CHS Road	01-Sep-92		1.8	3.62
Deadwood Creek at CHS Road	02-Sep-92		2.2	5.43
Deadwood Creek at CHS Road	03-Sep-92		1.4	4.18
Deadwood Creek at CHS Road	04-Sep-92		2.2	3.75
Deadwood Creek at CHS Road	05-Sep-92		2.0	3.30
Deadwood Creek at CHS Road	06-Sep-92		2.5	3.28
Deadwood Creek at CHS Road	07-Sep-92		1.8	2.93
Deadwood Creek at CHS Road	08-Sep-92		29	829
Deadwood Creek at CHS Road	09-Sep-92		1.5	30.8
Deadwood Creek at CHS Road	10-Sep-92		1.8	7.23
Deadwood Creek at CHS Road	11-Sep-92		1.1	9.15
Deadwood Creek at CHS Road	12-Sep-92		11	77.7
Eagle Creek ab Ptarmigan Creek	15-Jun-92		500	1260
Eagle Creek ab Ptarmigan Creek	16-Jun-92		1400	4850
Eagle Creek ab Ptarmigan Creek	17-Jun-92		1800	6750
Eagle Creek ab Ptarmigan Creek	18-Jun-92		1400	6040
Eagle Creek ab Ptarmigan Creek	19-Jun-92		700	2590
Eagle Creek ab Ptarmigan Creek	20-Jun-92		650	2350
Eagle Creek ab Ptarmigan Creek	21-Jun-92		700	2960
Eagle Creek ab Ptarmigan Creek	22-Jun-92		450	1950
Eagle Creek ab Ptarmigan Creek	23-Jun-92		330	1450
Eagle Creek ab Ptarmigan Creek	24-Jun-92		220	803
Eagle Creek ab Ptarmigan Creek	25-Jun-92		32	1200
Eagle Creek ab Ptarmigan Creek	26-Jun-92		600	2600
Eagle Creek ab Ptarmigan Creek	27-Jun-92		210	837
Eagle Creek ab Ptarmigan Creek	28-Jun-92		120	531
Eagle Creek ab Ptarmigan Creek	29-Jun-92		65	378

Appendix C (cont)

Location					Date	Time	Turb	TSS
Eagle Creek	ab	Ptarmigan Creek			30-Jun-92		50	292
Eagle Creek	ab	Ptarmigan Creek			01-Jul-92		70	359
Eagle Creek	ab	Ptarmigan Creek			02-Jul-92		50	208
Eagle Creek	ab	Ptarmigan Creek			03-Jul-92		37	170
Eagle Creek	ab	Ptarmigan Creek			04-Jul-92		31	139
Eagle Creek	ab	Ptarmigan Creek			05-Jul-92		21	85.8
Eagle Creek	ab	Ptarmigan Creek			06-Jul-92		22	78.4
Eagle Creek	ab	Ptarmigan Creek			07-Jul-92		2.4	10.2
Eagle Creek	ab	Ptarmigan Creek			08-Jul-92		2.3	10.7
Eagle Creek	ab	Ptarmigan Creek			09-Jul-92		3.0	8.74
Eagle Creek	ab	Ptarmigan Creek			10-Jul-92		8.4	28.5
Eagle Creek	ab	Ptarmigan Creek			11-Jul-92		18	48.2
Eagle Creek	ab	Ptarmigan Creek			12-Jul-92		3.3	11.6
Eagle Creek	ab	Ptarmigan Creek			13-Jul-92		2.1	13.5
Eagle Creek	ab	Ptarmigan Creek			14-Jul-92		2.0	9.66
Eagle Creek	ab	Ptarmigan Creek			15-Jul-92		2.4	25.2
Eagle Creek	ab	Ptarmigan Creek			16-Jul-92		2.2	21.0
Eagle Creek	ab	Ptarmigan Creek			17-Jul-92		8.8	52.0
Eagle Creek	ab	Ptarmigan Creek			18-Jul-92		10	33.5
Eagle Creek	ab	Ptarmigan Creek			19-Jul-92		65	190
Eagle Creek	ab	Ptarmigan Creek			20-Jul-92		310	612
Eagle Creek	ab	Ptarmigan Creek			21-Jul-92		330	39s
Eagle Creek	ab	Ptarmigan Creek			22-Jul-92		170	196
Eagle Creek	ab	Ptarmigan Creek			23-Jul-92		50	72.3
Eagle Creek	ab	Ptarmigan Creek			24-Jul-92		32	56.0
Eagle Creek	ab	Ptarmigan Creek			25-Jul-92		8.7	13.9
Eagle Creek	ab	Ptarmigan Creek			26-Jul-92		13	30.3
Eagle Creek	ab	Ptarmigan Creek			27-Jul-92		100	254
Eagle Creek	ab	Ptarmigan Creek			28-Jul-92		65	98.6
Eagle Creek	ab	Ptarmigan Creek			29-Jul-92		200	573
Eagle Creek	ab	Ptarmigan Creek			30-Jul-92		1000	3610
Eagle Creek	ab	Ptarmigan Creek			31-Jul-92		130	408
Eagle Creek	ab	Ptarmigan Creek			01-Aug-92		50	114
Eagle Creek	ab	Ptarmigan Creek			02-Aug-92		22	44.3
Eagle Creek	ab	Ptarmigan Creek			03-Aug-92		17	31.8
Eagle Creek	ab	Ptarmigan Creek			04-Aug-92		18	36.0
Eagle Creek	ab	Ptarmigan Creek			05-Aug-92		12	28.5
Eagle Creek	ab	Ptarmigan Creek			06-Aug-92		12	53.1
Eagle Creek	ab	Ptarmigan Creek			07-Aug-92		9.1	27.8
Eagle Creek	ab	Ptarmigan Creek			08-Aug-92		12	43.1
Eagle Creek	ab	Ptarmigan Creek			09-Aug-92		8.0	15.0
Eagle Creek	ab	Ptarmigan Creek			10-Aug-92		6.8	15.2
Eagle Creek	ab	Ptarmigan Creek			11-Aug-92		5.9	12.4
Eagle Creek	ab	Ptarmigan Creek			12-Aug-92		3.6	11.0
Eagle Creek	ab	Ptarmigan Creek			13-Aug-92		3.8	8.08
Eagle Creek	ab	Ptarmigan Creek			14-Aug-92		6.4	21.4
Eagle Creek	ab	Ptarmigan Creek			15-Aug-92		3.0	6.04
Eagle Creek	ab	Ptarmigan Creek			16-Aug-92		2.0	3.21

Appendix C (cont)

Location	Date	Time	Turb	TSS
Eagle Creek ab Ptarmigan Creek	17-Aug-92		2.8	6.60
Eagle Creek ab Ptarmigan Creek	18-Aug-92		2.3	5.80
Eagle Creek ab Ptarmigan Creek	19-Aug-92		2.8	8.45
Eagle Creek ab Ptarmigan Creek	20-Aug-92		2.0	4.90
Eagle Creek ab Ptarmigan Creek	21-Aug-92		2.1	4.60
Eagle Creek ab Ptarmigan Creek	22-Aug-92		1.5	3.21
Eagle Creek ab Ptarmigan Creek	23-Aug-92		3.1	7.00
Eagle Creek ab Ptarmigan Creek	24-Aug-92		1.5	4.12
Eagle Creek ab Ptarmigan Creek	25-Aug-92		1.9	2.99
Eagle Creek ab Ptarmigan Creek	26-Aug-92		1.9	5.99
Eagle Creek ab ptarmigan Creek	27-Aug-92		4.0	6.73
Eagle Creek ab Ptarmigan Creek	28-Aug-92		2.4	2.97
Eagle Creek ab Ptarmigan Creek	29-Aug-92		1.5	2.98
Eagle Creek ab Ptarmigan Creek	30-Aug-92		2.3	3.51
Eagle Creek ab Ptarmigan Creek	31-Aug-92		2.5	5.08
Eagle Creek ab Ptarmigan Creek	01-Sep-92		2.6	4.36
Eagle Creek ab Ptarmigan Creek	02-Sep-92		4.1	16.2
Eagle Creek ab Ptarmigan Creek	03-Sep-92		1.4	12.1
Eagle Creek ab Ptarmigan Creek	04-Sep-92		9.6	23.6
Eagle Creek ab Ptarmigan Creek	05-Sep-92		3.1	11.8
Eagle Creek ab Ptarmigan Creek	06-Sep-92		1.6	6.73
Eagle Creek ab Ptarmigan Creek	07-Sep-92		2.0	15.9
Eagle Creek ab Ptarmigan Creek	08-Sep-92		4.0	14.9
Eagle Creek ab Ptarmigan Creek	09-Sep-92		2.5	10.3
Faith Creek at Steese Hwy	09-Jun-92		15	162
Faith Creek at Steese Hwy	10-Jun-92		39	797
Faith Creek at Steese Hwy	11-Jun-92		90	1700
Faith Creek at Steese Hwy	12-Jun-92		100	333
Faith Creek at Steese Hwy	13-Jun-92		110	2590
Faith Creek at Steese Hwy	14-Jun-92		70	1660
Faith Creek at Steese Hwy	15-Jun-92		70	1550
Faith Creek at Steese Hwy	16-Jun-92		75	2830
Faith Creek at Steese Hwy	17-Jun-92		100	1600
Faith Creek at Steese Hwy	18-Jun-92		50	3200
Faith Creek at Steese Hwy	19-Jun-92		24	1720
Faith Creek at Steese Hwy	20-Jun-92		13	1050
Faith Creek at Steese Hwy	21-Jun-92		330	1700
Faith Creek at Steese Hwy	22-Jun-92		240	6170
Faith Creek at Steese Hwy	23-Jun-92		130	3610
Faith Creek at Steese Hwy	24-Jun-92		23	1290
Faith Creek at Steese Hwy	25-Jun-92		22	672
Faith Creek at Steese Hwy	26-Jun-92		26	513
Faith Creek at Steese Hwy	27-Jun-92		31	442
Faith Creek at Steese Hwy	28-Jun-92		3.0	269
Faith Creek at Steese Hwy	29-Jun-92		2.0	111
Faith Creek at Steese Hwy	30-Jun-92		9.6	581
Faith Creek at Steese Hwy	01-Jul-92		5.6	151
Faith Creek at Steese Hwy	02-Jul-92		1.9	57.1

Appendix C (cont)

Location	Date	Time	Turb	TSS
Faith Creek at Steese Hwy	03-Jul-92		2.9	34.4
Faith Creek at Steese Hwy	04-Jul-92		1.9	27.5
Faith Creek at Steese Hwy	05-Jul-92		1.8	19.8
Faith Creek at Steese Hwy	06-Jul-92		1.5	25.2
Faith Creek at Steese Hwy	07-Jul-92		1.4	24.2
Faith Creek at Steese Hwy	08-Jul-92		0.85	14.1
Faith Creek at Steese Hwy	09-Jul-92		1.1	9.90
Faith Creek at Steese Hwy	10-Jul-92		1.2	6.73
Faith Creek at Steese Hwy	11-Jul-92		0.90	4.31
Faith Creek at Steese Hwy	12-Jul-92		1.0	4.60
Faith Creek at Steese Hwy	13-Jul-92		1.2	5.25
Faith Creek at Steese Hwy	14-Jul-92		0.75	3.76
Faith Creek at Steese Hwy	15-Jul-92		1.2	4.35
Faith Creek at Steese Hwy	16-Jul-92		1.0	3.56
Faith Creek at Steese Hwy	17-Jul-92		0.60	4.90
Faith Creek at Steese Hwy	18-Jul-92		0.70	3.40
Faith Creek at Steese Hwy	19-Jul-92		1.3	7.20
Faith Creek at Steese Hwy	20-Jul-92		0.75	3.20
Faith Creek at Steese Hwy	21-Jul-92		0.90	3.76
Faith Creek at Steese Hwy	22-Jul-92		0.60	2.16
Faith Creek at Steese Hwy	23-Jul-92		0.50	3.52
Faith Creek at Steese Hwy	24-Jul-92		0.70	2.35
Faith Creek at Steese Hwy	25-Jul-92		0.45	1.36
Faith Creek at Steese Hwy	26-Jul-92		2.4	8.10
Faith Creek at Steese Hwy	27-Jul-92		0.50	1.76
Faith Creek at Steese Hwy	28-Jul-92		0.75	2.52
Faith Creek at Steese Hwy	29-Jul-92		0.60	1.74
Faith Creek at Steese Hwy	30-Jul-92		0.90	3.33
Faith Creek at Steese Hwy	31-Jul-92		0.75	3.30
Faith Creek at Steese Hwy	01-Aug-92		0.60	1.36
Faith Creek at Steese Hwy	02-Aug-92		0.60	1.57
Faith Creek at Steese Hwy	03-Aug-92		0.60	3.33
Faith Creek at Steese Hwy	04-Aug-92		1.2	1.76
Faith Creek at Steese Hwy	05-Aug-92		0.95	2.52
Faith Creek at Steese Hwy	06-Aug-92		0.90	8.20
Faith Creek at Steese Hwy	07-Aug-92		0.65	2.14
Faith Creek at Steese Hwy	08-Aug-92		0.55	1.75
Faith Creek at Steese Hwy	09-Aug-92		0.55	1.74
Faith Creek at Steese Hwy	10-Aug-92		1.3	3.37
Faith Creek at Steese Hwy	11-Aug-92		1.3	4.32
Faith Creek at Steese Hwy	12-Aug-92		1.1	2.55
Faith Creek at Steese Hwy	13-Aug-92		0.55	2.20
Faith Creek at Steese Hwy	14-Aug-92		1.1	3.80
Faith Creek at Steese Hwy	15-Aug-92		0.80	2.18
Faith Creek at Steese Hwy	16-Aug-92		1.1	1.96
Faith Creek at Steese Hwy	17-Aug-92		1.2	2.20
Faith Creek at Steese Hwy	18-Aug-92		1.9	4.13
Faith Creek at Steese Hwy	19-Aug-92		1.0	3.34
Faith Creek at Steese Hwy	20-Aug-92		1.7	3.97

Appendix C (cont)

Location	Date	Time	Turb	TSS
Faith Creek at Steese Hwy	21-Aug-92		1.1	1.96
Faith Creek at Steese Hwy	22-Aug-92		2.9	4.90
Faith Creek at Steese Hwy	23-Aug-92		1.0	3.14
Faith Creek at Steese Hwy	24-Aug-92		0.70	2.95
Faith Creek at Steese Hwy	25-Aug-92		1.2	2.41
Faith Creek at Steese Hwy	26-Aug-92		0.95	1.80
Faith Creek at Steese Hwy	27-Aug-92		1.5	4.80
Faith Creek at Steese Hwy	28-Aug-92		1.8	4.40
Faith Creek at Steese Hwy	29-Aug-92		1.2	2.79
Faith Creek at Steese Hwy	30-Aug-92		0.90	1.76
Faith Creek at Steese Hwy	31-Aug-92		0.70	1.61
Faith Creek at Steese Hwy	01-Sep-92		1.9	9.04
Faith Creek at Steese Hwy	02-Sep-92		1.7	5.05
Faith Creek at Steese Hwy	03-Sep-92		1.2	3.51
Faith Creek at Steese Hwy	04-Sep-92		2.2	10.2
Faith Creek at Steese Hwy	05-Sep-92		2.3	4.79
Faith Creek at Steese Hwy	06-Sep-92		1.6	2.92
Faith Creek at Steese Hwy	07-Sep-92		2.0	4.58
Faith Creek at Steese Hwy	08-Sep-92		1.9	8.00
Faith Creek at Steese Hwy	09-Sep-92		1.1	4.67
Fish Creek above Fairbanks Creek	02-Jun-92		170	1090
Fish Creek above Fairbanks Creek	03-Jun-92		330	2070
Fish Creek above Fairbanks Creek	04-Jun-92		350	1860
Fish Creek above Fairbanks Creek	05-Jun-92		300	1660
Fish Creek above Fairbanks Creek	06-Jun-92		280	1720
Fish Creek above Fairbanks Creek	07-Jun-92		230	1010
Fish Creek above Fairbanks Creek	08-Jun-92		210	746
Fish Creek above Fairbanks Creek	09-Jun-92		230	697
Fish Creek above Fairbanks Creek	10-Jun-92		240	797
Fish Creek above Fairbanks Creek	11-Jun-92		330	801
Fish Creek above Fairbanks Creek	12-Jun-92		230	721
Fish Creek above Fairbanks Creek	13-Jun-92		300	769
Fish Creek above Fairbanks Creek	14-Jun-92		360	811
Fish Creek above Fairbanks Creek	15-Jun-92		360	751
Fish Creek above Fairbanks Creek	16-Jun-92		350	563
Fish Creek above Fairbanks Creek	17-Jun-92		500	2320
Fish Creek above Fairbanks Creek	18-Jun-92		330	1260
Fish Creek above Fairbanks Creek	19-Jun-92		270	611
Fish Creek above Fairbanks Creek	20-Jun-92		180	500
Fish Creek above Fairbanks Creek	21-Jun-92		170	684
Fish Creek above Fairbanks Creek	22-Jun-92		240	1550
Fish Creek above Fairbanks Creek	23-Jun-92		330	2150
Fish Creek above Fairbanks Creek	24-Jun-92		90	451
Fish Creek above Fairbanks Creek	25-Jun-92		90	451
Fish Creek above Fairbanks Creek	26-Jun-92		190	512
Fish Creek above Fairbanks Creek	27-Jun-92		450	419
Fish Creek above Fairbanks Creek	28-Jun-92		450	296
Fish Creek above Fairbanks Creek	29-Jun-92		370	417

Appendix C (cont)

Location					Date	Time	Turb	TSS
Fish Creek	above	Fairbanks	Creek		30-Jun-92		370	422
Fish Creek	above	Fairbanks	Creek		01-Jul-92		330	353
Fish Creek	above	Fairbanks	Creek		02-Jul-92		340	363
Fish Creek	above	Fairbanks	Creek		03-Jul-92		330	105
Fish Creek	above	Fairbanks	Creek		04-Jul-92		240	256
Fish Creek	above	Fairbanks	Creek		05-Jul-92		120	148
Fish Creek	above	Fairbanks	Creek		06-Jul-92		160	198
Fish Creek	above	Fairbanks	Creek		07-Jul-92		120	204
Fish Creek	above	Fairbanks	Creek		08-Jul-92		95	852
Fish Creek	above	Fairbanks	Creek		09-Jul-92		2900	919
Fish Creek	above	Fairbanks	Creek		10-Jul-92		1500	1660
Fish Creek	above	Fairbanks	Creek		11-Jul-92		70	143
Fish Creek	above	Fairbanks	Creek		12-Jul-92		50	142
Fish Creek	above	Fairbanks	Creek		13-Jul-92		37	219
Fish Creek	above	Fairbanks	Creek		14-Jul-92		30	62.0
Fish Creek	above	Fairbanks	Creek		15-Jul-92		27	41.1
Fish Creek	above	Fairbanks	Creek		16-Jul-92		45	90.7
Fish Creek	above	Fairbanks	Creek		17-Jul-92		32	45.1
Fish Creek	above	Fairbanks	Creek		18-Jul-92		36	42.1
Fish Creek	above	Fairbanks	Creek		19-Jul-92		35	41.3
Fish Creek	above	Fairbanks	Creek		20-Jul-92		24	27.3
Fish Creek	above	Fairbanks	Creek		21-Jul-92		22	24.3
Fish Creek	above	Fairbanks	Creek		23-Jul-92		80	126
Fish Creek	above	Fairbanks	Creek		24-Jul-92		33	38.9
Fish Creek	above	Fairbanks	Creek		25-Jul-92		45	84.2
Fish Creek	above	Fairbanks	Creek		26-Jul-92		55	140
Fish Creek	above	Fairbanks	Creek		27-Jul-92		250	901
Fish Creek	above	Fairbanks	Creek		28-Jul-92		180	406
Fish Creek	above	Fairbanks	Creek		29-Jul-92		140	174
Fish Creek	above	Fairbanks	Creek		30-Jul-92		150	266
Fish Creek	above	Fairbanks	Creek		31-Jul-92		240	244
Fish Creek	above	Fairbanks	Creek		01-Aug-92		270	193
Fish Creek	above	Fairbanks	Creek		02-Aug-92		260	177
Fish Creek	above	Fairbanks	Creek		03-Aug-92		220	185
Fish Creek	above	Fairbanks	Creek		04-Aug-92		190	96.6
Fish Creek	above	Fairbanks	Creek		05-Aug-92		200	132
Fish Creek	above	Fairbanks	Creek		06-Aug-92		180	102
Fish Creek	above	Fairbanks	Creek		07-Aug-92		190	109
Fish Creek	above	Fairbanks	Creek		08-Aug-92		230	186
Fish Creek	above	Fairbanks	Creek		09-Aug-92		200	123
Fish Creek	above	Fairbanks	Creek		10-Aug-92		150	78.9
Fish Creek	above	Fairbanks	Creek		11-Aug-92		120	78.0
Fish Creek	above	Fairbanks	Creek		12-Aug-92		65	54.1
Fish Creek	above	Fairbanks	Creek		13-Aug-92		55	29.8
Fish Creek	above	Fairbanks	Creek		14-Aug-92		80	64.7
Fish Creek	above	Fairbanks	Creek		15-Aug-92		120	88.9
Fish Creek	above	Fairbanks	Creek		16-Aug-92		1000	837
Fish Creek	above	Fairbanks	Creek		17-Aug-92		200	94.4
Fish Creek	above	Fairbanks	Creek		18-Aug-92		200	157

Appendix C (cont)

Location					Date	Time	Turb	TSS
Fish	Creek	above	Fairbanks	Creek	19-Aug-92		130	130
Fish	Creek	above	Fairbanks	Creek	20-Aug-92		80	69.6
Fish	Creek	above	Fairbanks	Creek	21-Aug-92		80	54.4
Fish	Creek	above	Fairbanks	Creek	22-Aug-92		90	48.5
Fish	Creek	above	Fairbanks	Creek	23-Aug-92		110	62.2
Fish	Creek	above	Fairbanks	Creek	24-Aug-92		130	69.9
Fish	Creek	above	Fairbanks	Creek	25-Aug-92		9.2	102
Fish	Creek	above	Fairbanks	Creek	26-Aug-92		80	106
Fish	Creek	above	Fairbanks	Creek	27-Aug-92		31	153
Gold	Dust	Creek			24-Jun-92		280	26.7
Gold	Dust	Creek			25-Jun-92		450	47.6
Gold	Dust	Creek			26-Jun-92		1200	112
Gold	Dust	Creek			27-Jun-92		45	90.9
Gold	Dust	Creek			29-Jun-92		45	43.0
Gold	Dust	Creek			29-Jun-92		20	21.5
Gold	Dust	Creek			30-Jun-92		13	14.0
Gold	Dust	Creek			01-Jul-92		10	10.1
Gold	Dust	Creek			02-Jul-92		11	11.1
Gold	Dust	Creek			03-Jul-92		6.6	7.60
Gold	Dust	Creek			04-Jul-92		7.2	4.76
Gold	Dust	Creek			07-Jul-92		6.2	12.8
Gold	Dust	Creek			08-Jul-92		10	18.9
Gold	Dust	Creek			09-Jul-92		9.9	19.7
Gold	Dust	Creek			10-Jul-92		5.1	11.0
Gold	Dust	Creek			11-Jul-92		4.0	7.98
Gold	Dust	Creek			12-Jul-92		6.1	16.5
Gold	Dust	Creek			13-Jul-92		3.8	6.82
Gold	Dust	Creek			14-Jul-92		2.4	3.14
Gold	Dust	Creek			15-Jul-92		2.6	4.12
Gold	Dust	Creek			16-Jul-92		1.2	2.67
Gold	Dust	Creek			17-Jul-92		2.1	2.31
Gold	Dust	Creek			18-Jul-92		1.8	2.77
Gold	Dust	Creek			19-Jul-92		2.5	6.30
Gold	Dust	Creek			20-Jul-92		2.3	2.86
Gold	Dust	Creek			21-Jul-92		1.7	2.87
Gold	Dust	Creek			22-Jul-92		1.6	2.61
Gold	Dust	Creek			23-Jul-92		1.8	2.47
Gold	Dust	Creek			24-Jul-92		2.0	4.29
Gold	Dust	Creek			25-Jul-92		3.1	13.2
Gold	Dust	Creek			26-Jul-92		2.9	8.84
Gold	Dust	Creek			27-Jul-92		15	117
Gold	Dust	Creek			28-Jul-92		3.7	24.1
Gold	Dust	Creek			29-Jul-92		9.0	85.1
Gold	Dust	Creek			30-Jul-92		20	273
Gold	Dust	Creek			31-Jul-92		4.5	50.7
Gold	Dust	Creek			01-Aug-92		5.4	20.7
Gold	Dust	Creek			02-Aug-92		3.2	13.9
Gold	Dust	Creek			03-Aug-92		1.9	10.2

Appendix C (cont)

Location	Date	Time	Turb	TSS
Gold Dust Creek	04-Aug-92		2.8	6.70
Gold Dust Creek	05-Aug-92		2.8	5.64
Gold Dust Creek	06-Aug-92		1.7	3.86
Gold Dust Creek	07-Aug-92		1.7	3.27
Gold Dust Creek	08-Aug-92		2.3	2.47
Gold Dust Creek	09-Aug-92		1.7	2.50
Gold Dust Creek	10-Aug-92		1.8	2.73
Gold Dust Creek	11-Aug-92		2.1	4.44
Gold Dust Creek	12-Aug-92		1.4	2.93
Gold Dust Creek	13-Aug-92		1.4	7.28
Gold Dust Creek	14-Aug-92		1.5	2.98
Gold Dust Creek	15-Aug-92		1.1	1.79
Gold Dust Creek	16-Aug-92		2.6	24.9
Gold Dust Creek	17-Aug-92		1.5	3.79
Gold Dust Creek	18-Aug-92		0.95	1.62
Gold Dust Creek	19-Aug-92		1.1	1.30
Gold Dust Creek	20-Aug-92		1.3	1.66
Gold Dust Creek	21-Aug-92		1.2	1.88
Gold Dust Creek	22-Aug-92		1.3	1.53
Gold Dust Creek	23-Aug-92		1.2	2.00
Gold Dust Creek	24-Aug-92		1.2	1.85
Gold Dust Creek	25-Aug-92		2.3	13.4
Gold Dust Creek	26-Aug-92		5.2	22.9
Gold Dust Creek	27-Aug-92		1.0	1.46
Gold Dust Creek	28-Aug-92		0.90	1.35
Gold Dust Creek	29-Aug-92		0.70	1.46
Gold Dust Creek	30-Aug-92		2.4	6.99
Gold Dust Creek	31-Aug-92		1.5	31.3
Gold Dust Creek	01-Sep-92		1.0	1.12
Gold Dust Creek	02-Sep-92		1.8	4.97
Gold Dust Creek	03-Sep-92		1.5	1.60
Gold Dust Creek	04-Sep-92		1.4	4.37
Gold Dust Creek	05-Sep-92		1.5	4.40
Gold Dust Creek	06-Sep-92		0.65	2.50
Gold Dust Creek	07-Sep-92		2.2	5.41
Gold Dust Creek	08-Sep-92		1.6	3.72
Gold Dust Creek	09-Sep-92		1.3	1.15
Goldstream Creek near Fox	09-Jun-92		4.9	65.9
Goldstream Creek near Fox	10-Jun-92		5.6	49.7
Goldstream Creek near Fox	11-Jun-92		7.3	47.4
Goldstream Creek near Fox	12-Jun-92		7.6	61.3
Goldstream Creek near Fox	13-Jun-92		3.9	38.8
Goldstream Creek near Fox	14-Jun-92		4.3	31.2
Goldstream Creek near Fox	15-Jun-92		2.5	26.1
Goldstream Creek near Fox	16-Jun-92		4.5	29.2
Goldstream Creek near Fox	17-Jun-92		19	171
Goldstream Creek near Fox	18-Jun-92		6.5	58.0
Goldstream Creek near Fox	19-Jun-92		5.3	37.3

Appendix C (cont)

Location				Date	Time	Turb	TSS
Goldstream	Creek	near	Fox	20-Jun-92		6.0	36.0
Goldstream	Creek	near	Fox	21-Jun-92		5.1	28.7
Goldstream	Creek	near	Fox	22-Jun-92		27	164
Goldstream	Creek	near	Fox	23-Jun-92		11	76.4
Goldstream	Creek	near	Fox	24-Jun-92		3.2	5.10
Goldstream	Creek	near	Fox	02-Jul-92		4.6	18.1
Goldstream	Creek	near	Fox	03-Jul-92		6.6	20.7
Goldstream	Creek	near	Fox	04-Jul-92		5.0	1.87
Goldstream	Creek	near	Fox	05-Jul-92		4.7	13.2
Goldstream	Creek	near	Fox	06-Jul-92		4.8	13.4
Goldstream	Creek	near	Fox	07-Jul-92		4.0	8.13
Goldstream	Creek	near	Fox	08-Jul-92		2.6	11.5
Goldstream	Creek	near	Fox	09-Jul-92		3.4	12.1
Goldstream	Creek	near	Fox	10-Jul-92		4.1	12.9
Goldstream	Creek	near	Fox	11-Jul-92		3.5	9.02
Goldstream	Creek	near	Fox	12-Jul-92		4.6	11.9
Goldstream	Creek	near	Fox	13-Jul-92		4.0	11.7
Goldstream	Creek	near	Fox	14-Jul-92		4.2	7.69
Goldstream	Creek	near	Fox	26-Jul-92		11	73.2
Goldstream	Creek	near	Fox	27-Jul-92		30	202
Goldstream	Creek	near	Fox	28-Jul-92		15	52.1
Goldstream	Creek	near	Fox	29-Jul-92		34	248
Goldstream	Creek	near	Fox	30-Jul-92		17	91.5
Goldstream	Creek	near	Fox	31-Jul-92		15	65.3
Goldstream	Creek	near	Fox	01-Aug-92		10	49.3
Goldstream	Creek	near	Fox	02-Aug-92		5.5	25.7
Goldstream	Creek	near	Fox	03-Aug-92		6.2	28.1
Goldstream	Creek	near	Fox	04-Aug-92		4.9	22.4
Goldstream	Creek	near	Fox	05-Aug-92		3.1	22.6
Goldstream	Creek	near	Fox	06-Aug-92		5.0	20.7
Goldstream	Creek	near	Fox	07-Aug-92		2.9	15.3
Goldstream	Creek	near	Fox	08-Aug-92		4.4	16.1
Goldstream	Creek	near	Fox	09-Aug-92		4.2	13.7
Goldstream	Creek	near	Fox	10-Aug-92		3.9	13.9
Goldstream	Creek	near	Fox	11-Aug-92		1.8	9.99
Goldstream	Creek	near	Fox	12-Aug-92		5.1	15.5
Goldstream	Creek	near	Fox	13-Aug-92		9.2	22.1
Goldstream	Creek	near	Fox	14-Aug-92		6.4	17.9
Goldstream	Creek	near	Fox	15-Aug-92		5.3	14.7
Goldstream	Creek	near	Fox	16-Aug-92		3.6	11.1
Goldstream	Creek	near	Fox	17-Aug-92		4.5	13.6
Goldstream	Creek	near	Fox	18-Aug-92		8.4	28.0
Goldstream	Creek	near	Fox	19-Aug-92		9.9	33.1
Goldstream	Creek	near	Fox	20-Aug-92		3.9	14.2
Goldstream	Creek	near	Fox	21-Aug-92		4.1	13.6
Goldstream	Creek	near	Fox	22-Aug-92		3.2	9.45
Goldstream	Creek	near	Fox	23-Aug-92		3.5	10.9
Goldstream	Creek	near	Fox	24-Aug-92		1.8	5.82
Goldstream	Creek	near	Fox	25-Aug-92		1.6	9.58

Appendix C (cont)

Location					Date	Time	Turb	TSS
Goldstream	Creek	near	Fox		26-Aug-92		5.3	14.2
Goldstream	Creek	near	Fox		27-Aug-92		4.0	10.9
Goldstream	Creek	near	Fox		2%Aug-92		2.7	11.0
Goldstream	Creek	near	Fox		29-Aug-92		3.4	11.5
Goldstream	Creek	near	Fox		30-Aug-92		2.5	9.73
Goldstream	Creek	near	Fox		31-Aug-92		3.1	13.2
Goldstream	Creek	near	Fox		01-Sep-92		3.0	12.9
Goldstream	Creek	near	Fox		02-Sep-92		2.6	8.77
Goldstream	Creek	near	Fox		03-Sep-92		2.4	8.24
Goldstream	Creek	near	Fox		04-Sep-92		2.7	8.22
Goldstream	Creek	near	Fox		05-Sep-92		5.3	15.1
Goldstream	Creek	near	Fox		06-Sep-92		3.5	10.1
Goldstream	Creek	near	Fox		07-Sep-92		2.5	8.69
Goldstream	Creek	near	Fox		08-Sep-92		7.1	17.7
Goldstream	Creek	near	Fox		09-Sep-92		2.1	8.08
Goldstream	Creek	at	Standard	Cr Rd	12-Jun-92		5.6	53.9
Goldstream	Creek	at	Standard	Cr Rd	13-Jun-92		7.7	43.7
Goldstream	Creek	at	Standard	Cr Rd	14-Jun-92		5.9	9.81
Goldstream	Creek	at	Standard	Cr Rd	15-Jun-92		5.4	27.7
Goldstream	Creek	at	Standard	Cr Rd	16-Jun-92		5.5	28.0
Goldstream	Creek	at	Standard	Cr Rd	17-Jun-92		5.7	27.0
Goldstream	Creek	at	Standard	Cr Rd	18-Jun-92		7.2	30.7
Goldstream	Creek	at	Standard	Cr Rd	19-Jun-92		6.4	43.2
Goldstream	Creek	at	Standard	Cr Rd	20-Jun-92		6.9	44.1
Goldstream	Creek	at	Standard	Cr Rd	21-Jun-92		8.3	35.6
Goldstream	Creek	at	Standard	Cr Rd	22-Jun-92		7.2	42.8
Goldstream	Creek	at	Standard	Cr Rd	23-Jun-92		13	105
Goldstream	Creek	at	Standard	Cr Rd	24-Jun-92		14	104
Goldstream	Creek	at	Standard	Cr Rd	25-Jun-92		11	91.8
Goldstream	Creek	at	Standard	Cr Rd	26-Jun-92		12	66.6
Goldstream	Creek	at	Standard	Cr Rd	27-Jun-92		9.5	47.8
Goldstream	Creek	at	Standard	Cr Rd	2%Jun-92		8.4	37.6
Goldstream	Creek	at	Standard	Cr Rd	29-Jun-92		7.6	32.3
Goldstream	Creek	at	Standard	Cr Rd	30-Jun-92		6.0	26.2
Goldstream	Creek	at	Standard	Cr Rd	01-Jul-92		6.8	27.1
Goldstream	Creek	at	Standard	Cr Rd	02-Jul-92		6.5	26.2
Goldstream	Creek	at	Standard	Cr Rd	03-Jul-92		5.8	22.6
Goldstream	Creek	at	Standard	Cr Rd	04-Jul-92		6.3	21.3
Goldstream	Creek	at	Standard	Cr Rd	05-Jul-92		4.9	19.2
Goldstream	Creek	at	Standard	Cr Rd	06-Jul-92		3.7	19.0
Goldstream	Creek	at	Standard	Cr Rd	07-Jul-92		5.1	18.5
Goldstream	Creek	at	Standard	Cr Rd	08-Jul-92		4.6	16.7
Goldstream	Creek	at	Standard	Cr Rd	09-Jul-92		5.6	17.1
Goldstream	Creek	at	Standard	Cr Rd	10-Jul-92		6.0	17.3
Goldstream	Creek	at	Standard	Cr Rd	11-Jul-92		4.4	15.1
Goldstream	Creek	at	Standard	Cr Rd	12-Jul-92		5.8	14.7
Goldstream	Creek	at	Standard	Cr Rd	13-Jul-92		6.3	17.5
Goldstream	Creek	at	Standard	Cr Rd	14-Jul-92		6.6	22.3

Appendix C (cont)

Location					Date	Time	Turb	TSS
Goldstream	Creek	at	Standard	Cr Rd	15-Jul-92		5.7	24.1
Goldstream	Creek	at	Standard	Cr Rd	16-Jul-92		7.5	22.2
Goldstream	Creek	at	Standard	Cr Rd	17-Jul-92		5.9	19.2
Goldstream	Creek	at	Standard	Cr Rd	18-Jul-92		8.0	23.5
Goldstream	Creek	at	Standard	Cr Rd	19-Jul-92		8.6	26.6
Goldstream	Creek	at	Standard	Cr Rd	20-Jul-92		6.7	20.0
Goldstream	Creek	at	Standard	Cr Rd	21-Jul-92		9.6	20.3
Goldstream	Creek	at	Standard	Cr Rd	22-Jul-92		6.2	17.0
Goldstream	Creek	at	Standard	Cr Rd	23-Jul-92		5.6	13.1
Goldstream	Creek	at	Standard	Cr Rd	24-Jul-92		5.3	11.8
Goldstream	Creek	at	Standard	Cr Rd	25-Jul-92		5.6	12.0
Goldstream	Creek	at	Standard	Cr Rd	26-Jul-92		4.8	11.9
Goldstream	Creek	at	Standard	Cr Rd	27-Jul-92		5.7	13.5
Goldstream	Creek	at	Standard	Cr Rd	28-Jul-92		5.4	13.9
Goldstream	Creek	at	Standard	Cr Rd	29-Jul-92		6.7	16.2
Goldstream	Creek	at	Standard	Cr Rd	30-Jul-92		6.2	15.6
Goldstream	Creek	at	Standard	Cr Rd	31-Jul-92		5.3	13.8
Goldstream	Creek	at	Standard	Cr Rd	01-Aug-92		5.1	12.3
Goldstream	Creek	at	Standard	Cr Rd	02-Aug-92		5.4	11.6
Goldstream	Creek	at	Standard	Cr Rd	03-Aug-92		5.1	10.6
Goldstream	Creek	at	Standard	Cr Rd	04-Aug-92		5.2	8.57
Goldstream	Creek	at	Standard	Cr Rd	05-Aug-92		5.0	9.71
Goldstream	Creek	at	Standard	Cr Rd	06-Aug-92		4.8	12.1
Goldstream	Creek	at	Standard	Cr Rd	07-Aug-92		5.0	7.14
Goldstream	Creek	at	Standard	Cr Rd	08-Aug-92		3.7	7.61
Goldstream	Creek	at	Standard	Cr Rd	09-Aug-92		4.2	5.92
Goldstream	Creek	at	Standard	Cr Rd	10-Aug-92		3.4	4.57
Goldstream	Creek	at	Standard	Cr Rd	11-Aug-92		4.1	5.51
Goldstream	Creek	at	Standard	Cr Rd	12-Aug-92		4.4	4.71
Goldstream	Creek	at	Standard	Cr Rd	13-Aug-92		4.3	5.59
Goldstream	Creek	at	Standard	Cr Rd	14-Aug-92		4.7	5.29
Goldstream	Creek	at	Standard	Cr Rd	15-Aug-92		3.4	4.64
Goldstream	Creek	at	Standard	Cr Rd	16-Aug-92		4.1	4.71
Goldstream	Creek	at	Standard	Cr Rd	17-Aug-92		3.4	4.29
Goldstream	Creek	at	Standard	Cr Rd	18-Aug-92		5.1	3.61
Goldstream	Creek	at	Standard	Cr Rd	19-Aug-92		4.0	3.10
Goldstream	Creek	at	Standard	Cr Rd	20-Aug-92		3.5	2.87
Goldstream	Creek	at	Standard	Cr Rd	21-Aug-92		3.3	2.87
Goldstream	Creek	at	Standard	Cr Rd	22-Aug-92		4.7	3.24
Goldstream	Creek	at	Standard	Cr Rd	23-Aug-92		3.6	3.56
Goldstream	Creek	at	Standard	Cr Rd	24-Aug-92		3.4	2.65
Goldstream	Creek	at	Standard	Cr Rd	25-Aug-92		3.7	2.73
Goldstream	Creek	at	Standard	Cr Rd	26-Aug-92		3.3	3.64
Goldstream	Creek	at	Standard	Cr Rd	27-Aug-92		4.1	5.31
Goldstream	Creek	at	Standard	Cr Rd	28-Aug-92		14	26.7
Goldstream	Creek	at	Standard	Cr Rd	29-Aug-92		2.6	5.25
Goldstream	Creek	at	Standard	Cr Rd	30-Aug-92		4.1	10.1
Goldstream	Creek	at	Standard	Cr Rd	31-Aug-92		7.0	16.5
Goldstream	Creek	at	Standard	Cr Rd	01-Sep-92		5.2	19.4

Appendix C (cont)

Location					Date	Time	Turb	TSS
Goldstream	Creek	at	Standard	Cr Rd	02-Sep-92		4.0	18.4
Goldstream	Creek	at	Standard	Cr Rd	03-Sep-92		3.9	12.3
Goldstream	Creek	at	Standard	Cr Rd	04-Sep-92		4.5	8.68
Goldstream	Creek	at	Standard	Cr Rd	05-Sep-92		5.1	9.42
Goldstream	Creek	at	Standard	Cr Rd	06-Sep-92		5.3	13.3
Goldstream	Creek	at	Standard	Cr Rd	07-Sep-92		6.1	17.8
Goldstream	Creek	at	Standard	Cr Rd	08-Sep-92		4.2	13.0
Little	Chena	River	at	CHS	Road	20-Jun-92	15	38.9
Little	Chena	River	at	CHS	Road	21-Jun-92	16	78.0
Little	Chena	River	at	CHS	Road	22-Jun-92	25	225
Little	Chena	River	at	CHS	Road	23-Jun-92	65	531
Little	Chena	River	at	CHS	Road	24-Jun-92	26	171
Little	Chena	River	at	CHS	Road	25-Jun-92	21	218
Little	Chena	River	at	CHS	Road	26-Jun-92	14	100
Little	Chena	River	at	CHS	Road	27-Jun-92	15	71.5
Little	Chena	River	at	CHS	Road	28-Jun-92	20	71.9
Little	Chena	River	at	CHS	Road	29-Jun-92	26	56.2
Little	Chena	River	at	CHS	Road	30-Jun-92	22	42.8
Little	Chena	River	at	CHS	Road	01-Jul-92	20	39.7
Little	Chena	River	at	CHS	Road	02-Jul-92	18	23.5
Little	Chena	River	at	CHS	Road	03-Jul-92	20	81.2
Little	Chena	River	at	CHS	Road	04-Jul-92	19	41.0
Little	Chena	River	at	CHS	Road	05-Jul-92	14	40.3
Little	Chena	River	at	CHS	Road	06-Jul-92	13	34.9
Little	Chena	River	at	CHS	Road	07-Jul-92	9.0	34.9
Little	Chena	River	at	CHS	Road	08-Jul-92	9.1	22.7
Little	Chena	River	at	CHS	Road	09-Jul-92	7.2	21.3
Little	Chena	River	at	CHS	Road	10-Jul-92	950	873
Little	Chena	River	at	CHS	Road	11-Jul-92	600	647
Little	Chena	River	at	CHS	Road	12-Jul-92	25	95.5
Little	Chena	River	at	CHS	Road	13-Jul-92	20	54.9
Little	Chena	River	at	CHS	Road	14-Jul-92	12	30.1
Little	Chena	River	at	CHS	Road	15-Jul-92	9.5	28.3
Little	Chena	River	at	CHS	Road	16-Jul-92	10	30.7
Little	Chena	River	at	CHS	Road	17-Jul-92	7.5	26.7
Little	Chena	River	at	CHS	Road	18-Jul-92	5.4	22.9
Little	Chena	River	at	CHS	Road	19-Jul-92	4.5	20.7
Little	Chena	River	at	CHS	Road	20-Jul-92	5.9	24.0
Little	Chena	River	at	CHS	Road	21-Jul-92	6.2	19.5
Little	Chena	River	at	CHS	Road	22-Jul-92	5.1	34.6
Little	Chena	River	at	CHS	Road	23-Jul-92	2.5	11.8
Little	Chena	River	at	CHS	Road	24-Jul-92	5.9	15.5
Little	Chena	River	at	CHS	Road	25-Jul-92	3.7	16.3
Little	Chena	River	at	CHS	Road	26-Jul-92	5.1	19.7
Little	Chena	River	at	CHS	Road	27-Jul-92	15	76.4
Little	Chena	River	at	CHS	Road	28-Jul-92	14	105
Little	Chena	River	at	CHS	Road	29-Jul-92	29	90.0
Little	Chena	River	at	CHS	Road	30-Jul-92	16	54.6

Appendix C (cont)

Location	Date	Time	Turb	TSS
Little Chena River at CHS Road	31-Jul-92		19	63.8
Little Chena River at CHS Road	01-Aug-92		27	49.2
Little Chena River at CHS Road	02-Aug-92		25	39.4
Little Chena River at CHS Road	03-Aug-92		24	34.1
Little Chena River at CHS Road	04-Aug-92		18	26.9
Little Chena River at CHS Road	05-Aug-92		18	23.9
Little Chena River at CHS Road	06-Aug-92		15	23.4
Little Chena River at CHS Road	07-Aug-92		14	20.6
Little Chena River at CHS Road	08-Aug-92		9.7	17.9
Little Chena River at CHS Road	09-Aug-92		13	21.8
Little Chena River at CHS Road	10-Aug-92		17	24.4
Little Chena River at CHS Road	11-Aug-92		11	17.8
Little Chena River at CHS Road	12-Aug-92		12	16.5
Little Chena River at CHS Road	13-Aug-92		6.2	10.4
Little Chena River at CHS Road	14-Aug-92		5.9	12.4
Little Chena River at CHS Road	15-Aug-92		4.2	9.29
Little Chena River at CHS Road	16-Aug-92		6.2	12.0
Little Chena River at CHS Road	17-Aug-92		34	37.1
Little Chena River at CHS Road	18-Aug-92		19	26.0
Little Chena River at CHS Road	19-Aug-92		13	31.0
Little Chena River at CHS Road	20-Aug-92		18	25.9
Little Chena River at CHS Road	21-Aug-92		5.3	12.2
Little Chena River at CHS Road	22-Aug-92		5.4	15.8
Little Chena River at CHS Road	23-Aug-92		6.7	11.9
Little Chena River at CHS Road	24-Aug-92		5.5	10.1
Little Chena River at CHS Road	25-Aug-92		7.1	11.5
Little Chena River at CHS Road	26-Aug-92		8.0	12.7
Little Chena River at CHS Road	27-Aug-92		9.9	11.0
Little Chena River at CHS Road	28-Aug-92		4.6	11.1
Little Chena River at CHS Road	29-Aug-92		17	47.8
Little Chena River at CHS Road	30-Aug-92		13	33.1
Little Chena River at CHS Road	31-Aug-92		12	30.4
Little Chena River at CHS Road	01-Sep-92		15	29.0
Little Chena River at CHS Road	02-Sep-92		16	33.1
Little Chena River at CHS Road	03-Sep-92		18	41.3
Little Chena River at CHS Road	04-Sep-92		16	38.6
Little Chena River at CHS Road	05-Sep-92		13	43.4
Little Chena River at CHS Road	06-Sep-92		21	38.2
Little Chena River at CHS Road	07-Sep-92		15	36.1
Little Chena River at CHS Road	08-Sep-92		16	37.5
Little Chena River at CHS Road	09-Sep-92		11	29.2
Little Chena River at CHS Road	10-Sep-92		11	24.9
Little Chena River at CHS Road	11-Sep-92		6.3	12.6
Little Chena River at CHS Road	12-Sep-92		4.0	12.1
Little Chena River at CHS Road	13-Sep-92		5.4	10.3
Little Chena River at CHS Road	14-Sep-92		4.2	8.57
Little Chena River at CHS Road	15-Sep-92		5.7	17.4

Appendix C (cont)

Location					Date	Time	Turb	TSS
Porcupine	Creek	ab	Mammoth	Creek	10-Jun-92		14	94.3
Porcupine	Creek	ab	Mammoth	Creek	07-Jul-92		70	85.0
Porcupine	Creek	ab	Mammoth	Creek	08-Jul-92		70	54.6
Porcupine	Creek	ab	Mammoth	Creek	09-Jul-92		80	60.4
Porcupine	Creek	ab	Mammoth	Creek	10-Jul-92		80	86.0
Porcupine	Creek	ab	Mammoth	Creek	11-Jul-92		50	47.4
Porcupine	Creek	ab	Mammoth	Creek	12-Jul-92		38	39.6
Porcupine	Creek	ab	Mammoth	Creek	13-Jul-92		70	52.9
Porcupine	Creek	ab	Mammoth	Creek	14-Jul-92		80	61.4
Porcupine	Creek	ab	Mammoth	Creek	15-Jul-92		90	56.0
Porcupine	Creek	ab	Mammoth	Creek	16-Jul-92		160	67.7
Porcupine	Creek	ab	Mammoth	Creek	17-Jul-92		55	41.3
Porcupine	Creek	ab	Mammoth	Creek	18-Jul-92		95	50.0
Porcupine	Creek	ab	Mammoth	Creek	19-Jul-92		50	33.7
Porcupine	Creek	ab	Mammoth	Creek	20-Jul-92		50	50.4
Porcupine	Creek	ab	Mammoth	Creek	21-Jul-92		50	51.7
Porcupine	Creek	ab	Mammoth	Creek	22-Jul-92		110	68.4
Porcupine	Creek	ab	Mammoth	Creek	23-Jul-92		85	52.7
Porcupine	Creek	ab	Mammoth	Creek	24-Jul-92		80	46.2
Porcupine	Creek	ab	Mammoth	Creek	25-Jul-92		27	24.5
Porcupine	Creek	ab	Mammoth	Creek	26-Jul-92		30	29.3
Porcupine	Creek	ab	Mammoth	Creek	27-Jul-92		90	299
Porcupine	Creek	ab	Mammoth	Creek	28-Jul-92		28	85.0
Porcupine	Creek	ab	Mammoth	Creek	29-Jul-92		33	172
Porcupine	Creek	ab	Mammoth	Creek	30-Jul-92		210	1460
Porcupine	Creek	ab	Mammoth	Creek	31-Jul-92		31	375
Porcupine	Creek	ab	Mammoth	Creek	01-Aug-92		18	121
Porcupine	Creek	ab	Mammoth	Creek	02-Aug-92		11	47.8
Porcupine	Creek	ab	Mammoth	Creek	03-Aug-92		16	54.2
Porcupine	Creek	ab	Mammoth	Creek	04-Aug-92		80	88.4
Porcupine	Creek	ab	Mammoth	Creek	05-Aug-92		80	84.2
Porcupine	Creek	ab	Mammoth	Creek	06-Aug-92		50	131
Porcupine	Creek	ab	Mammoth	Creek	07-Aug-92		24	27.8
Porcupine	Creek	ab	Mammoth	Creek	08-Aug-92		30	26.8
Porcupine	Creek	ab	Mammoth	Creek	09-Aug-92		50	33.8
Porcupine	Creek	ab	Mammoth	Creek	10-Aug-92		38	38.6
Porcupine	Creek	ab	Mammoth	Creek	11-Aug-92		19	18.0
Porcupine	Creek	ab	Mammoth	Creek	12-Aug-92		30	32.4
Porcupine	Creek	ab	Mammoth	Creek	13-Aug-92		75	52.1
Porcupine	Creek	ab	Mammoth	Creek	14-Aug-92		70	67.7
Porcupine	Creek	ab	Mammoth	Creek	15-Aug-92		23	25.6
Porcupine	Creek	ab	Mammoth	Creek	16-Aug-92		12	12.8
Porcupine	Creek	ab	Mammoth	Creek	17-Aug-92		12	14.4
Porcupine	Creek	ab	Mammoth	Creek	18-Aug-92		1300	1460
Porcupine	Creek	ab	Mammoth	Creek	19-Aug-92		110	47.6
Porcupine	Creek	ab	Mammoth	Creek	20-Aug-92		75	50.4
Porcupine	Creek	ab	Mammoth	Creek	21-Aug-92		37	101
Porcupine	Creek	ab	Mammoth	Creek	22-Aug-92		450	630
Porcupine	Creek	ab	Mammoth	Creek	23-Aug-92		260	198

Appendix C (cont)

Location	Date	Time	Turb	TSS
Porcupine Creek ab Mammoth Creek	24-Aug-92		190	178
Porcupine Creek ab Mammoth Creek	25-Aug-92		140	93.2
Porcupine Creek ab Mammoth Creek	26-Aug-92		150	163
Porcupine Creek ab Mammoth Creek	27-Aug-92		260	164
Porcupine Creek ab Mammoth Creek	28-Aug-92		150	92.1
Porcupine Creek ab Mammoth Creek	29-Aug-92		180	171
Porcupine Creek ab Mammoth Creek	30-Aug-92		85	89.2
Porcupine Creek ab Mammoth Creek	31-Aug-92		75	98.4
Porcupine Creek ab Mammoth Creek	01-Sep-92		22	34.6
Porcupine Creek ab Mammoth Creek	02-Sep-92		33	85.4
Porcupine Creek ab Mammoth Creek	03-Sep-92		90	155
Porcupine Creek ab Mammoth Creek	04-Sep-92		80	84.6
Porcupine Creek ab Mammoth Creek	05-Sep-92		110	98.0
Porcupine Creek ab Mammoth Creek	06-Sep-92		170	203
Porcupine Creek ab Mammoth Creek	07-Sep-92		310	292
Porcupine Creek ab Mammoth Creek	08-Sep-92		220	242
Porcupine Creek ab Mammoth Creek	09-Sep-92		95	144
Porcupine Creek ab Mammoth Creek	10-Sep-92		120	108
Prospect Creek at Dalton Hwy	05-Jun-92		10	102
Prospect Creek at Dalton Hwy	06-Jun-92		10	89.2
Prospect Creek at Dalton Hwy	07-Jun-92		3.4	30.6
Prospect Creek at Dalton Hwy	08-Jun-92		2.2	16.8
Prospect Creek at Dalton Hwy	09-Jun-92		2.0	10.7
Prospect Creek at Dalton Hwy	10-Jun-92		3.3	14.7
Prospect Creek at Dalton Hwy	11-Jun-92		1.5	12.0
Prospect Creek at Dalton Hwy	12-Jun-92		2.6	10.7
Prospect Creek at Dalton Hwy	13-Jun-92		2.1	9.49
Prospect Creek at Dalton Hwy	14-Jun-92		2.2	9.51
Prospect Creek at Dalton Hwy	15-Jun-92		3.0	18.5
Prospect Creek at Dalton Hwy	16-Jun-92		12	50.2
Prospect Creek at Dalton Hwy	17-Jun-92		50	234
Prospect Creek at Dalton Hwy	18-Jun-92		11	80.2
Prospect Creek at Dalton Hwy	19-Jun-92		6.5	33.5
Prospect Creek at Dalton Hwy	20-Jun-92		3.6	19.6
Prospect Creek at Dalton Hwy	21-Jun-92		3.5	12.9
Prospect Creek at Dalton Hwy	22-Jun-92		2.3	9.69
Prospect Creek at Dalton Hwy	23-Jun-92		1.4	6.86
Prospect Creek at Dalton Hwy	24-Jun-92		1.7	5.44
Prospect Creek at Dalton Hwy	25-Jun-92		1.8	6.00
Prospect Creek at Dalton Hwy	26-Jun-92		2.2	4.12
Prospect Creek at Dalton Hwy	27-Jun-92		1.7	3.73
Prospect Creek at Dalton Hwy	28-Jun-92		2.0	4.51
Prospect Creek at Dalton Hwy	29-Jun-92		1.6	3.62
Prospect Creek at Dalton Hwy	30-Jun-92		1.9	2.74
Prospect Creek at Dalton Hwy	01-Jul-92		2.1	10.0
Prospect Creek at Dalton Hwy	04-Jul-92		2.2	4.33
Prospect Creek at Dalton Hwy	05-Jul-92		1.1	3.10
Prospect Creek at Dalton Hwy	06-Jul-92		1.1	3.45

Appendix C (cont)

Location	Date	Time	Turb	TSS
Prospect Creek at Dalton Hwy	07-Jul-92		1.3	3.33
Prospect Creek at Dalton Hwy	08-Jul-92		1.9	3.45
Prospect Creek at Dalton Hwy	09-Jul-92		1.1	2.08
Prospect Creek at Dalton Hwy	10-Jul-92		2.0	6.07
Prospect Creek at Dalton Hwy	11-Jul-92		1.6	9.84
Prospect Creek at Dalton Hwy	12-Jul-92		1.8	2.03
Prospect Creek at Dalton Hwy	13-Jul-92		3.3	6.94
Prospect Creek at Dalton Hwy	14-Jul-92		5.4	13.0
Prospect Creek at Dalton Hwy	15-Jul-92		2.2	5.96
Prospect Creek at Dalton Hwy	26-Jul-92		1.3	3.57
Prospect Creek at Dalton Hwy	27-Jul-92		2.0	7.95
Prospect Creek at Dalton Hwy	28-Jul-92		2.6	8.72
Prospect Creek at Dalton Hwy	29-Jul-92		1.4	7.77
Prospect Creek at Dalton Hwy	30-Jul-92		1.7	6.49
Prospect Creek at Dalton Hwy	31-Jul-92		3.6	6.38
Prospect Creek at Dalton Hwy	01-Aug-92		2.8	10.6
Prospect Creek at Dalton Hwy	02-Aug-92		1.6	3.51
Prospect Creek at Dalton Hwy	03-Aug-92		1.7	9.44
Prospect Creek at Dalton Hwy	04-Aug-92		1.9	5.08
Prospect Creek at Dalton Hwy	05-Aug-92		1.7	6.55
Prospect Creek at Dalton Hwy	06-Aug-92		2.4	6.58
Prospect Creek at Dalton Hwy	07-Aug-92		2.0	6.11
Prospect Creek at Dalton Hwy	08-Aug-92		1.5	8.15
Prospect Creek at Dalton Hwy	09-Aug-92		8.3	105
Prospect Creek at Dalton Hwy	10-Aug-92		1.5	8.67
Prospect Creek at Dalton Hwy	11-Aug-92		2.0	4.12
Prospect Creek at Dalton Hwy	12-Aug-92		1.9	7.29
Prospect Creek at Dalton Hwy	13-Aug-92		1.3	7.50
Prospect Creek at Dalton Hwy	14-Aug-92		3.0	5.94
Prospect Creek at Dalton Hwy	15-Aug-92		1.7	6.15
Prospect Creek at Dalton Hwy	16-Aug-92		1.9	4.44
Prospect Creek at Dalton Hwy	17-Aug-92		2.3	11.2
Prospect Creek at Dalton Hwy	18-Aug-92		1.9	5.74
Prospect Creek at Dalton Hwy	24-Aug-92		2.0	4.88
Prospect Creek at Dalton Hwy	25-Aug-92		4.6	7.95
Prospect Creek at Dalton Hwy	26-Aug-92		1.2	2.62
Prospect Creek at Dalton Hwy	27-Aug-92		0.95	2.59
Prospect Creek at Dalton Hwy	28-Aug-92		0.50	2.99
Prospect Creek at Dalton Hwy	29-Aug-92		0.90	2.17
Prospect Creek at Dalton Hwy	30-Aug-92		1.3	3.15
Prospect Creek at Dalton Hwy	31-Aug-92		1.4	6.60
Prospect Creek at Dalton Hwy	01-Sep-92		9.9	116
Prospect Creek at Dalton Hwy	02-Sep-92		3.7	25.3
Prospect Creek at Dalton Hwy	03-Sep-92		1.0	7.06
Prospect Creek at Dalton Hwy	04-Sep-92		2.2	11.6
Prospect Creek at Dalton Hwy	05-Sep-92		1.3	3.73
Prospect Creek at Dalton Hwy	06-Sep-92		1.3	3.80
Prospect Creek at Dalton Hwy	07-Sep-92		0.85	4.40
Prospect Creek at Dalton Hwy	08-Sep-92		0.95	5.20

Appendix C (cont)

Location	Date	Time	Turb	TSS
Prospect Creek at Dalton Hwy	09-Sep-92		1.8	11.1
Prospect Creek at Dalton Hwy	10-Sep-92		0.85	4.65
Prospect Creek at Dalton Hwy	11-Sep-92		0.75	4.00
Prospect Creek at Dalton Hwy	12-Sep-92		0.75	4.49
Prospect Creek at Dalton Hwy	13-Sep-92		5.0	22.4
Prospect Creek at Dalton Hwy	14-Sep-92		0.50	2.20
Prospect Creek at Dalton Hwy	15-Sep-92		4.2	18.9
Prospect Creek at Dalton Hwy	16-Sep-92		11	19.2
Prospect Creek at Dalton Hwy	16-Jul-92		2.1	3.99
Prospect Creek at Dalton Hwy	17-Jul-92		1.9	3.33
Prospect Creek at Dalton Hwy	18-Jul-92		3.4	2.30
Prospect Creek at Dalton Hwy	19-Jul-92		1.9	2.70
Prospect Creek at Dalton Hwy	20-Jul-92		1.0	1.33
Prospect Creek at Dalton Hwy	21-Jul-92		1.3	1.56
Prospect Creek at Dalton Hwy	22-Jul-92		1.6	0.61
Prospect Creek at Dalton Hwy	23-Jul-92		1.8	10.6
Prospect Creek at Dalton Hwy	02-Jul-92		1.8	6.21
Prospect Creek at Dalton Hwy	03-Jul-92		1.4	4.12
Prospect Creek at Dalton Hwy	24-Jul-92		1.6	5.56
Prospect Creek at Dalton Hwy	25-Jul-92		1.7	4.88
Ptarmigan Creek ab Eagle Creek	15-Jun-92		2.4	31.8
Ptarmigan Creek ab Eagle Creek	16-Jun-92		1.6	10.2
Ptarmigan Creek ab Eagle Creek	17-Jun-92		1.0	3.93
Ptarmigan Creek ab Eagle Creek	18-Jun-92		1.1	1.58
Ptarmigan Creek ab Eagle Creek	19-Jun-92		1.2	1.56
Ptarmigan Creek ab Eagle Creek	20-Jun-92		0.95	1.78
Ptarmigan Creek ab Eagle Creek	21-Jun-92		0.75	1.69
Ptarmigan Creek ab Eagle Creek	22-Jun-92		0.65	0.45
Ptarmigan Creek ab Eagle Creek	23-Jun-92		0.70	0.92
Ptarmigan Creek ab Eagle Creek	24-Jun-92		0.80	1.16
Ptarmigan Creek ab Eagle Creek	25-Jun-92		0.75	1.15
Ptarmigan Creek ab Eagle Creek	26-Jun-92		0.70	0.69
Ptarmigan Creek ab Eagle Creek	27-Jun-92		0.65	0.80
Ptarmigan Creek ab Eagle Creek	28-Jun-92		0.70	1.02
Ptarmigan Creek ab Eagle Creek	29-Jun-92		0.70	1.24
Ptarmigan Creek ab Eagle Creek	30-Jun-92		0.55	1.14
Ptarmigan Creek ab Eagle Creek	01-Jul-92		0.60	0.68
Ptarmigan Creek ab Eagle Creek	02-Jul-92		0.50	0.79
Ptarmigan Creek ab Eagle Creek	03-Jul-92		0.55	0.22
Ptarmigan Creek ab Eagle Creek	04-Jul-92		0.50	0.22
Ptarmigan Creek ab Eagle Creek	05-Jul-92		0.45	0.11
Ptarmigan Creek ab Eagle Creek	06-Jul-92		0.55	0.10
Ptarmigan Creek ab Eagle Creek	17-Jul-92		0.75	4.10
Ptarmigan Creek ab Eagle Creek	18-Jul-92		0.65	0.57
Ptarmigan Creek ab Eagle Creek	19-Jul-92		0.60	0.58
Ptarmigan Creek ab Eagle Creek	20-Jul-92		1.2	1.16
Ptarmigan Creek ab Eagle Creek	21-Jul-92		0.65	2.41
Ptarmigan Creek ab Eagle Creek	22-Jul-92		1.0	1.12

Appendix C (cont)

Location				Date	Time	Turb	TSS
Ptarmigan	Creek	ab	Eagle	Creek	23-Jul-92	0.90	1.55
Ptarmigan	Creek	ab	Eagle	Creek	24-Jul-92	0.80	0.92
Ptarmigan	Creek	ab	Eagle	Creek	25-Jul-92	0.55	1.49
Ptarmigan	Creek	ab	Eagle	Creek	26-Jul-92	1.1	1.38
Ptarmigan	Creek	ab	Eagle	Creek	27-Jul-92	0.60	1.45
Ptarmigan	Creek	ab	Eagle	Creek	28-Jul-92	1.0	1.49
Ptarmigan	Creek	ab	Eagle	Creek	29-Jul-92	1.2	1.67
Ptarmigan	Creek	ab	Eagle	Creek	12-Aug-92	0.65	0.94
Ptarmigan	Creek	ab	Eagle	Creek	13-Aug-92	0.55	1.03
Ptarmigan	Creek	ab	Eagle	Creek	14-Aug-92	0.80	1.05
Ptarmigan	Creek	ab	Eagle	Creek	15-Aug-92	1.3	4.68
Ptarmigan	Creek	ab	Eagle	Creek	16-Aug-92	0.90	1.14
Ptarmigan	Creek	ab	Eagle	Creek	17-Aug-92	0.80	0.91
Ptarmigan	Creek	ab	Eagle	Creek	18-Aug-92	0.75	0.69
Ptarmigan	Creek	ab	Eagle	Creek	19-Aug-92	0.43	0.57
Ptarmigan	Creek	ab	Eagle	Creek	20-Aug-92	0.75	0.91
Ptarmigan	Creek	ab	Eagle	Creek	21-Aug-92	0.60	0.57
Ptarmigan	Creek	ab	Eagle	Creek	22-Aug-92	0.70	0.88
Ptarmigan	Creek	ab	Eagle	Creek	03-Sep-92	0.55	0.70
Ptarmigan	Creek	ab	Eagle	Creek	04-Sep-92	0.70	0.31
Ptarmigan	Creek	ab	Eagle	Creek	05-Sep-92	0.75	0.46
Ptarmigan	Creek	ab	Eagle	Creek	06-Sep-92	0.75	0.46
Ptarmigan	Creek	ab	Eagle	Creek	07-Sep-92	0.50	0.23
Ptarmigan	Creek	ab	Eagle	Creek	08-Sep-92	0.50	0.10
Ptarmigan	Creek	ab	Eagle	Creek	09-Sep-92	0.55	1.05
Ptarmigan	Creek	ab	Eagle	Creek	10-Sep-92	0.50	0.10

Appendix D

Location	Date	Time	Turb	TSS	Comments
Albert Creek	28-May-92	1120	29	168	at Steese Highway
Albert Creek	10-Jun-92	1254	2.0	4.71	
Albert Creek	16-Jun-92	1505	0.95	2.04	
Albert Creek	26-Jun-92	923	14	74.0	
Albert Creek	07-Aug-92	800	0.70	0.84	
Bedrock Creek	28-May-92	1330	8.0	85.6	at Steese Highway
Bedrock Creek	10-Jun-92	1551	0.85	0.97	
Bedrock Creek	17-Jun-92	1547	0.75	0.39	
Bedrock Creek	26-Jun-92	1005	0.65	1.15	
Bedrock Creek	07-Jul-92	934	0.70	0.10	
Bedrock Creek	23-Jul-92	1025	0.40	0.59	
Bedrock Creek	07-Aug-92	1640	1.4	1.15	
Bedrock Creek	12-Aug-92	2145	0.50	1.00	
Bedrock Creek	27-Aug-92	950	0.55	0.39	
Bedrock Creek	03-Sep-92	820	0.35	1.97	
Bedrock Creek	10-Sep-92	945	0.55	0.82	
Boulder Creek	28-May-92	1315	22	169	at Steese Highway
Boulder Creek	10-Jun-92	1541	1.2	5.40	
Boulder Creek	17-Jun-92	1538	8.8	49.6	
Boulder Creek	26-Jun-92	955	0.60	2.92	
Boulder Creek	07-Jul-92	927	0.50	0.19	
Boulder Creek	23-Jul-92	1012	0.50	3.60	
Boulder Creek	07-Aug-92	900	1.1	2.56	
Boulder Creek	12-Aug-92	2130	0.95	3.40	
Boulder Creek	27-Aug-92	930	1.1	1.72	
Boulder Creek	03-Sep-92	810	0.35	0.40	
Boulder Creek	10-Sep-92	930	0.35	0.40	
Ketchum Creek	28-May-92	1240	260	1610	at Circle Hot Springs Road
Ketchum Creek	09-Jun-92	1228	65	226	
Ketchum Creek	16-Jun-92	1520	70	857	
Ketchum Creek	26-Jun-92	840	120	53.3	
Ketchum Creek	07-Jul-92	904	190	33.8	
Ketchum Creek	23-Jul-92	1000	260	119	
Ketchum Creek	07-Aug-92	840	100	27.7	
Ketchum Creek	12-Aug-92	2115	70	153	
Ketchum Creek	27-Aug-92	830	170	149	
Ketchum Creek	02-Sep-92	2200	80	36.8	
Ketchum Creek	09-Sep-92	1620	50	8.68	
Mammoth Creek	28-May-92	1345	290	1610	at Steese Highway
Mammoth Creek	09-Jun-92	1557	13	58.7	
Mammoth Creek	17-Jun-92	1555	4.7	33.3	
Mammoth Creek	26-Jun-92	1015	3.5	9.44	
Mammoth Creek	07-Jul-92	945	1.1	1.35	
Mammoth Creek	23-Jul-92	1030	0.90	0.98	
Mammoth Creek	07-Aug-92	919	1.4	2.94	

Appendix D

Location	Date	Time	Turb	TSS	Comments
Mammoth Creek	12-Aug-92	2150	0.60	0.61	
Mammoth Creek	27-Aug-92	1000	0.65	0.40	
Mammoth Creek	03-Sep-92	825	0.45	0.42	
Mammoth Creek	10-Sep-92	1000	0.90	2.71	
Pedro Creek	28-May-92	1730	60	435	at Pedro Monument
Pedro Creek	09-Jun-92	2030	7.8	9.13	
Pedro Creek	17-Jun-92	1925	13	11.8	
Pedro Creek	26-Jun-92	1305	2.4	2.72	
Pedro Creek	07-Jul-92	1625	16	9.41	
Pedro Creek	23-Jul-92	1630	3.3	2.20	
Pedro Creek	14-Aug-92	1325	1.6	1.45	
Pedro Creek	27-Aug-92	1330	2.2	1.60	
Pedro Creek	03-Sep-92	2035	3.1	1.41	
Pedro Creek	10-Sep-92	1405	2.0	1.80	
Sourdough Creek	28-May-92	1610	100	436	at Steese Highway
Sourdough Creek	09-Jun-92	1935	2.0	0.20	
Sourdough Creek	17-Jun-92	1830	3.0	3.92	
Sourdough Creek	26-Jun-92	1150	3.6	0.78	
Sourdough Creek	07-Jul-92	1525	5.4	1.57	
Sourdough Creek	16-Jul-92	2110	2.7	1.57	
Sourdough Creek	23-Jul-92	1306	2.9	0.39	
Sourdough Creek	07-Aug-92	1540	0.85	0.20	
Sourdough Creek	14-Aug-92	1233	0.60	0.41	
Sourdough Creek	27-Aug-92	1230	1.1	1.59	
Sourdough Creek	10-Sep-92	1305	1.1	1.83	
Twelvemile Creek	26-Jun-92	1045	0.40	0.39	above Birch Creek
Twelvemile Creek	28-May-92	1005	3.8	25.7	
Twelvemile Creek	10-Jun-92	1845	0.80	18.7	
Twelvemile Creek	17-Jun-92	1630	1.1	4.60	
Twelvemile Creek	07-Jul-92	1445	0.40	0.19	
Twelvemile Creek	23-Jul-92	1100	0.30	0.20	
Twelvemile Creek	14-Aug-92	1152	0.25	0.21	
Twelvemile Creek	27-Aug-92	1130	0.35	0.40	
Twelvemile Creek	03-Sep-92	1830	0.30	0.20	
Twelvemile Creek	10-Sep-92	1220	0.30	0.60	