

15320100 WADE CREEK TRIBUTARY NEAR CHICKEN

LOCATION.-- Lat 64°07'06", Long 141°33'13", in SE¹/₄ sec. 18, T. 27 N., R. 20 E. (Eagle A-2 quad), Hydrologic Unit 19040104, on left bank, 600 ft upstream from Taylor Highway, 0.4 mi upstream from the culvert at mi 86.1 Taylor Highway and 12 mi northeast of Chicken.

DRAINAGE AREA.--4.24 mi².

PERIOD OF RECORD.--Annual maximum, water year 1995. May 1996 to current year (no winter records).

GAGE.--Water-stage recorder. Elevation of gage is 1970 ft above sea level, from topographic map. Prior to June 19, 1997, recording gage was at a site 700 ft downstream at a different datum.

REMARKS.--Records fair, except for discharges below 0.1 ft³/s and estimated daily discharges which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 236 ft³/s, June 13, 1997, from rating curve extended above 14 ft³/s on basis of slope-area measurement of peak flow, gage height, 22.7 ft, from floodmarks; no flow most days during the winter.

EXTREMES FOR WATER YEAR 2002.--Maximum discharge, 34 ft³/s, June 11, gage height, 21.08 ft, no flow most days during the winter.

EXTREMES FOR WATER YEAR 2003.--Maximum discharge, 35 ft³/s, July 3, gage height, 21.10 ft, no flow most days during the winter.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	13	4.4	0.85	4.2
2	---	---	---	---	---	---	---	---	15	2.4	0.63	3.7
3	---	---	---	---	---	---	---	---	7.3	1.7	0.52	3.1
4	---	---	---	---	---	---	---	---	3.8	4.6	0.39	2.5
5	---	---	---	---	---	---	---	---	2.4	3.6	0.32	2.2
6	---	---	---	---	---	---	---	---	2.2	2.2	0.33	4.2
7	---	---	---	---	---	---	---	---	1.6	1.3	0.53	10
8	---	---	---	---	---	---	---	---	0.97	0.84	2.1	12
9	---	---	---	---	---	---	---	---	0.79	4.1	4.3	7.9
10	---	---	---	---	---	---	---	---	6.1	9.1	2.9	15
11	---	---	---	---	---	---	---	---	25	4.0	1.8	11
12	---	---	---	---	---	---	---	---	15	4.6	2.3	8.1
13	---	---	---	---	---	---	---	---	7.8	15	6.8	6.4
14	---	---	---	---	---	---	---	---	3.9	5.5	4.9	5.3
15	---	---	---	---	---	---	---	---	2.0	3.4	2.6	4.3
16	---	---	---	---	---	---	---	---	1.1	2.9	1.8	3.7
17	---	---	---	---	---	---	---	---	0.69	1.5	15	e3.2
18	---	---	---	---	---	---	---	---	0.50	0.93	9.8	3.6
19	---	---	---	---	---	---	---	---	0.37	0.66	18	3.8
20	---	---	---	---	---	---	---	---	1.6	3.3	11	5.2
21	---	---	---	---	---	---	---	e3.0	1.9	1.9	19	4.2
22	---	---	---	---	---	---	---	3.5	1.4	0.91	18	e4.0
23	---	---	---	---	---	---	---	2.4	0.86	0.59	11	e3.7
24	---	---	---	---	---	---	---	1.4	0.69	0.55	8.5	e3.2
25	---	---	---	---	---	---	---	0.95	0.82	5.2	10	e2.8
26	---	---	---	---	---	---	---	0.69	0.92	5.0	8.0	e2.7
27	---	---	---	---	---	---	---	0.45	0.76	2.0	6.5	e2.6
28	---	---	---	---	---	---	---	0.30	0.73	2.9	5.6	e2.2
29	---	---	---	---	---	---	---	0.19	0.56	7.6	4.4	e1.9
30	---	---	---	---	---	---	---	6.3	3.4	3.6	3.6	e1.6
31	---	---	---	---	---	---	---	22	---	1.5	3.7	---
TOTAL	---	---	---	---	---	---	---	---	123.16	107.78	185.17	148.3
MEAN	---	---	---	---	---	---	---	---	4.11	3.48	5.97	4.94
MAX	---	---	---	---	---	---	---	---	25	15	19	15
MIN	---	---	---	---	---	---	---	---	0.37	0.55	0.32	1.6
AC-FT	---	---	---	---	---	---	---	---	244	214	367	294
CFSM	---	---	---	---	---	---	---	---	0.97	0.82	1.41	1.17
IN.	---	---	---	---	---	---	---	---	1.08	0.95	1.62	1.30

e Estimated

15320100 WADE CREEK TRIBUTARY NEAR CHICKEN—Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	1.4	0.14	0.13	17
2	---	---	---	---	---	---	---	---	0.99	0.11	0.12	13
3	---	---	---	---	---	---	---	---	1.1	15	0.12	e6.8
4	---	---	---	---	---	---	---	---	1.1	11	0.14	4.4
5	---	---	---	---	---	---	---	---	0.87	3.6	0.12	3.2
6	---	---	---	---	---	---	---	---	13	1.6	0.16	2.5
7	---	---	---	---	---	---	---	---	9.6	2.3	0.14	1.8
8	---	---	---	---	---	---	---	---	6.3	4.3	0.10	2.1
9	---	---	---	---	---	---	---	---	3.5	1.6	0.08	2.0
10	---	---	---	---	---	---	---	---	2.0	0.85	0.07	1.6
11	---	---	---	---	---	---	---	---	1.3	0.78	0.06	1.4
12	---	---	---	---	---	---	---	---	0.90	1.1	0.05	2.5
13	---	---	---	---	---	---	---	---	0.63	0.78	0.04	e3.0
14	---	---	---	---	---	---	---	---	0.81	0.72	0.04	e2.0
15	---	---	---	---	---	---	---	e3.1	0.85	0.68	0.04	e1.8
16	---	---	---	---	---	---	---	2.9	0.65	0.66	0.03	e1.5
17	---	---	---	---	---	---	---	4.4	0.48	0.56	0.03	e1.2
18	---	---	---	---	---	---	---	5.5	0.42	0.42	0.02	e0.80
19	---	---	---	---	---	---	---	2.6	0.38	0.31	0.02	e0.70
20	---	---	---	---	---	---	---	1.7	0.33	0.23	0.03	e0.70
21	---	---	---	---	---	---	---	1.4	0.28	0.19	0.04	e0.70
22	---	---	---	---	---	---	---	1.1	0.23	0.23	0.14	e0.60
23	---	---	---	---	---	---	---	1.4	0.20	0.20	0.11	e0.50
24	---	---	---	---	---	---	---	2.8	0.19	0.16	0.15	e0.50
25	---	---	---	---	---	---	---	3.9	0.19	0.14	0.15	e0.50
26	---	---	---	---	---	---	---	3.3	0.18	0.13	0.14	e6.5
27	---	---	---	---	---	---	---	2.7	0.18	0.12	0.12	e11
28	---	---	---	---	---	---	---	1.8	0.17	0.11	0.11	e3.3
29	---	---	---	---	---	---	---	1.7	0.17	0.10	0.10	e2.0
30	---	---	---	---	---	---	---	2.4	0.16	0.10	0.09	e1.0
31	---	---	---	---	---	---	---	1.9	---	0.12	0.33	---
TOTAL	---	---	---	---	---	---	---	---	48.56	48.34	3.02	96.60
MEAN	---	---	---	---	---	---	---	---	1.62	1.56	0.097	3.22
MAX	---	---	---	---	---	---	---	---	13	15	0.33	17
MIN	---	---	---	---	---	---	---	---	0.16	0.10	0.02	0.50
AC-FT	---	---	---	---	---	---	---	---	96	96	6.0	192
CFSM	---	---	---	---	---	---	---	---	0.38	0.37	0.02	0.76
IN.	---	---	---	---	---	---	---	---	0.43	0.42	0.03	0.85

e Estimated

15356000 YUKON RIVER AT EAGLE—Continued
(International Gaging Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1950-57, 1962-70, 1974-76, 1978-79 and 2001 to current year.

PERIOD OF DAILY RECORD.--

SUSPENDED SEDIMENT: 1962 to 1966

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Location in X-section looking downstrm ft from l bank (00009)	Sample location, cross section ft from rt bank (72103)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temperature, water, deg C (00010)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
APR									
01...	1052	100	--	259	--	.0	754	10.3	71
01...	1122	220	--	258	--	.0	754	--	--
01...	1152	340	--	--	7.9	.0	754	10.3	71
01...	1222	460	--	--	--	.0	754	--	--
01...	1252	620	--	--	8.0	.0	754	10.5	73
JUN									
17...	1142	--	193.0	212	8.1	13.5	748	9.4	92
17...	1202	--	383.0	211	8.1	13.6	748	9.9	97
17...	1222	--	549.0	208	8.1	13.7	748	9.7	95
17...	1242	--	710.0	208	8.2	13.7	748	9.6	94
17...	1302	--	908.0	208	8.2	13.8	748	8.7	86
JUL									
17...	1442	--	1180	224	8.1	16.5	732	8.6	92
17...	1446	--	950.0	223	8.2	16.6	732	8.6	92
17...	1450	--	800.0	224	8.2	16.6	732	8.9	95
17...	1454	--	650.0	224	8.2	16.6	732	8.6	92
17...	1458	--	450.0	226	8.2	16.2	732	8.6	91
AUG									
13...	1200	--	375.0	239	8.2	15.4	747	9.8	100
13...	1225	--	575.0	241	8.2	15.4	747	9.9	101
13...	1250	--	725.0	240	8.2	15.4	747	9.9	101
13...	1315	--	850.0	239	8.2	15.4	747	9.9	101
13...	1340	--	1025	240	8.2	15.4	747	9.9	101
SEP									
09...	1518	--	360.0	236	7.3	10.3	744	10.8	99
09...	1521	--	560.0	233	7.4	10.4	744	10.7	98
09...	1524	--	700.0	233	7.4	10.4	744	10.7	98
09...	1527	--	850.0	233	7.5	10.4	744	10.7	98
09...	1530	--	1020	233	7.5	10.5	744	10.6	97
24...	1158	--	280.0	246	8.4	2.8	735	12.1	93
24...	1213	--	458.0	241	8.4	2.9	735	12.1	93
24...	1228	--	584.0	240	8.4	3.0	735	12.0	92
24...	1243	--	721.0	240	8.4	3.0	735	11.9	92
24...	1258	--	888.0	240	8.4	2.9	735	12.0	92

Date	Time	Medium code	Sample type	Stream width, feet (00004)	Instantaneous discharge, cfs (00061)	Sampling method code (82398)	Sampler type, code (84164)	Type of sample related QA code (99111)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Turbidity, wat unfltrd lab, Hach NTU 2100AN (99872)
APR													
01...	1050	9	7	1080	18500	20	3060	100	265	7.7	-10.0	.0	1.1
MAY													
23...	1740	9	9	1180	84500	20	3056	1	210	7.6	--	8.8	31
JUN													
17...	1220	9	9	1490	163000	20	3056	1	209	8.1	23.4	13.7	130
JUL													
17...	1300	9	7	--	163000	20	3056	30	224	8.2	25.5	16.6	540
AUG													
13...	1300	9	9	--	106000	20	3056	1	240	8.2	--	15.4	220
SEP													
09...	1430	9	9	1240	113000	20	3056	100	234	7.8	7.2	10.4	40
24...	1230	9	9	1160	82300	20	3056	1	240	8.4	--	2.9	9.9

15356000 YUKON RIVER AT EAGLE—Continued
(International Gaging Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, percent of saturation (00300)	Dissolved oxygen, mg/L (00301)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfixed end pt, field, mg/L as CaCO3 (00410)	Potassium, water, fltrd, mg/L (00935)	Bicarbonate, wat flt incrm., field, mg/L (00453)	Carbonate, wat flt incrm., field, mg/L (00452)
APR 01...	.032	.023	752	10.4	72	130	36.7	9.96	2.85	92	1.15	113	.0
MAY 23...	.321	.241	739	--	--	97	26.0	7.79	2.29	--	1.05	88	.0
JUN 17...	.106	.078	748	9.5	93	110	28.3	8.69	2.02	--	.95	84	.0
JUL 17...	.079	.058	732	8.6	92	110	29.0	8.38	2.88	--	1.64	95	.0
AUG 13...	.060	.043	747	9.9	101	120	32.2	8.88	3.16	--	1.51	100	.0
SEP 09...	.084	.060	744	10.7	98	120	32.2	10.5	2.45	--	1.02	100	.0
24...	.055	.038	735	12.0	92	130	33.6	10.7	2.52	--	1.09	105	.0

Date	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Alkalinity, wat flt fxd end field, mg/L as CaCO3 (39036)	Sulfate, water, fltrd, mg/L (00945)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Residue on evap. at 180 deg C, wat flt mg/L (70300)	Residue water, sum of constituents mg/L (70301)	Nitrite water, fltrd, mg/L as N (00613)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia + org-N, water, unfltrd, mg/L as N (00625)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
APR 01...	92	93	33.3	.22	.12	6.92	158	147	<.002	.089	<.015	E.06	E.07
MAY 23...	72	72	29.6	.53	<.2	5.51	137	117	.003	.026	<.015	.28	.26
JUN 17...	69	69	33.5	.75	<.2	5.64	127	122	<.002	.038	<.015	.47	E.10
JUL 17...	78	78	33.9	.75	<.2	5.97	133	129	<.002	E.018	<.015	.43	.10
AUG 13...	82	90	34.6	.93	<.2	6.64	147	137	<.002	E.021	<.015	.22	E.08
SEP 09...	82	80	40.5	.67	<.2	6.04	147	143	<.002	.033	<.015	.19	E.06
24...	86	87	40.2	.62	<.2	6.08	141	147	<.002	.035	<.015	E.10	.10

Date	Phosphorus, water, unfltrd mg/L (00665)	Phosphorus, water, fltrd, mg/L (00666)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, suspnd total, percent (30292)	Aluminum, suspnd total, percent (30221)	Aluminum, water, fltrd, ug/L (01106)	Antimony, suspnd total, ug/g (29816)	Antimony, water, fltrd, ug/L (01095)	Arsenic, suspnd total, ug/g (29818)	Arsenic, water, fltrd, ug/L (01000)	Barium, suspnd total, ug/g (29820)	Barium, water, fltrd, ug/L (01005)	Beryllium, suspnd total, ug/g (29822)
APR 01...	.005	<.004	<.007	--	--	2	--	<.30	--	.4	--	61	--
MAY 23...	.119	.006	<.007	.100	6.5	38	1.6	<.30	14	.5	1100	46	2
JUN 17...	.35	E.004	<.007	.100	6.6	29	2.2	E.18	17	.6	1200	44	2
JUL 17...	1.10	<.004	<.007	.110	7.0	23	1.4	E.23	12	.6	710	39	1
AUG 13...	.41	<.004	<.007	.096	7.1	18	1.6	E.20	11	.6	700	40	1
SEP 09...	.161	<.004	<.007	.086	6.4	--	1.6	<.30	11	.5	850	46	1
24...	.061	<.004	<.007	.061	4.5	14	1.3	<.30	9.4	.5	300	43	1

15356000 YUKON RIVER AT EAGLE—Continued
(International Gaging Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Beryllium water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium suspnd total, ug/g (29826)	Cadmium water, fltrd, ug/L (01025)	Chrom- ium, suspnd total, ug/g (29829)	Chrom- ium, water, fltrd, ug/L (01030)	Cobalt, suspnd total, ug/g (35031)	Cobalt water, fltrd, ug/L (01035)	Copper, suspnd total, ug/g (29832)	Copper, water, fltrd, ug/L (01040)	Iron, suspnd total, percent (30269)	Iron, water, fltrd, ug/L (01046)	Lead, suspnd total, ug/g (29836)
APR 01...	<.06	9	--	<.04	--	<.8	--	.074	--	.8	--	E7	--
MAY 23...	<.06	11	1.3	<.04	100	<.8	16	.121	37	2.7	3.9	78	19
JUN 17...	<.06	10	1.2	E.03	100	<.8	14	.084	40	2.1	3.8	20	14
JUL 17...	<.06	11	.6	<.04	92	<.8	18	.079	44	1.2	4.4	E6	9.7
AUG 13...	<.06	13	.4	<.04	99	<.8	18	.084	43	1.2	4.5	<8	11
SEP 09...	<.06	7	.8	<.04	110	<.8	15	.082	31	1.2	3.7	10	14
24...	<.06	10	.6	E.02	79	<.8	12	.094	30	1.0	2.6	9	14

Date	Lead water, fltrd, ug/L (01049)	Lithium suspnd total, ug/g (35050)	Lithium water, fltrd, ug/L (01130)	Mangan- ese, suspnd total, ug/g (29839)	Mangan- ese, water, fltrd, ug/L (01056)	Mercury suspnd total, ug/g (29841)	Molyb- denum, suspnd total, ug/g (29843)	Molyb- denum, water, fltrd, ug/L (01060)	Nickel, suspnd total, ug/g (29845)	Nickel, water, fltrd, ug/L (01065)	Selen- ium, suspnd total, ug/g (29847)	Selen- ium, water, fltrd, ug/L (01145)	Silver, suspnd total, ug/g (29850)
APR 01...	<.08	--	2.3	--	1.8	--	--	1.4	--	1.78	--	.6	--
MAY 23...	E.05	28	2.7	970	8.7	.08	4	1.0	61	3.26	M	E.4	1
JUN 17...	<.08	29	2.6	840	2.5	.16	4	1.0	58	1.55	M	.6	<.5
JUL 17...	<.08	23	3.1	820	--	.04	2	1.4	55	1.32	M	.5	M
AUG 13...	<.08	25	2.8	820	2.1	.06	2	1.6	55	1.77	M	.5	<.5
SEP 09...	<.08	22	<.5	800	2.0	.02	4	1.1	55	1.45	M	E.4	<.5
24...	<.08	19	2.8	590	4.1	<.01	5	1.2	50	1.77	M	.5	<.5

Date	Silver, water, fltrd, ug/L (01075)	Stront- ium, suspnd total, ug/g (35040)	Stront- ium, water, fltrd, ug/L (01080)	Thall- ium, suspnd total, ug/g (49955)	Titan- ium, suspnd total, percent (30317)	Vanad- ium, suspnd total, ug/g (29853)	Vanad- ium, water, fltrd, ug/L (01085)	Zinc, suspnd total, ug/g (29855)	Zinc, water, fltrd, ug/L (01090)	Uranium suspnd total, ug/g (35046)	Uranium natural water, fltrd, ug/L (22703)	Organic carbon, water, fltrd, mg/L (00681)	Inor- ganic carbon suspnd total, mg/L (00688)
APR 01...	<.2	--	171	--	--	--	.2	--	3	--	1.31	1.4	<.1
MAY 23...	<.2	290	140	<50	.410	130	1.0	180	3	<50	.97	8.5	<.1
JUN 17...	<.2	260	129	<50	.420	150	.9	200	1	<50	.76	3.0	1.7
JUL 17...	<.2	370	148	<50	.530	140	.6	110	<1	<50	.93	2.8	--
AUG 13...	<.2	330	157	<50	.470	130	.9	94	<1	<50	.90	2.2	7.6
SEP 09...	<.2	320	167	<50	.450	130	.4	110	M	<50	.98	2.8	.6
24...	<.2	440	164	<50	.260	79	.6	120	M	<50	.94	2.1	<.1

15356000 YUKON RIVER AT EAGLE—Continued
(International Gaging Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Organic carbon, suspn total, mg/L (00689)	Total carbon, suspn total, mg/L (00694)	Total carbon, suspn total, percent (30244)	Organic carbon, suspn total, percent (50465)	Particulate nitrogen, suspn, water, mg/L (49570)	Suspnd. conc, flow through centrifug mg/L (50279)	Suspended sediment concentration mg/L (80154)	Suspended sediment load, tons/d (80155)	Suspended sediment, sieve diameter percent <.063mm (70331)
APR 01...	<.1	<.1	--	--	<.02	--	1	50	--
MAY 23...	1.4	1.5	2.9	2.1	.08	7	129	29400	52
JUN 17...	4.1	5.9	2.4	1.0	.26	288	312	137000	66
JUL 17...	5.6	--	2.5	.5	.32	959	933	411000	84
AUG 13...	.7	8.2	2.3	.6	.15	395	400	114000	78
SEP 09...	1.5	2.1	2.1	.5	.08	161	157	47900	55
24...	.5	.5	4.8	2.3	.03	37	64	14200	42

15388030 NATION RIVER NEAR NATION

LOCATION.--Lat 65°14'23", long 141°39'10", in NW¹/₄ NW¹/₄ sec.30, T.5 N., R.30 E.(Charley River A-2 quad), Hydrologic Unit 19040401, in Yukon-Charley Rivers National Preserve, on left bank, 3.75 mi upstream from mouth, 4.25 mi downstream from mouth of Hard Luck Creek, 5 mi northeast of Nation townsite, and 33 mi northwest of Eagle.

DRAINAGE AREA.--931 mi², revised.

PERIOD OF RECORD.--June 1991 to current year (no winter records in water years 1991-97 and 2003).

GAGE.--Water-stage recorder. Elevation of gage is 850 ft. above sea level, from topographic map.

EXTREMES FOR CURRENT YEAR.--Maximum discharge for periods October 1 to 7, 2002, and June 1 to September 30, 2003, 8940 ft³/s, September 1, 2003 gage height 38.44 ft; minimum not determined, occurs during winter.

REMARKS.--WY2001, records poor; WY2002, records good, except for estimated daily discharges, which are poor; WY2003, records fair, except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1070	e360	e230	e180	e150	e130	e110	e130	2890	1010	3790	929
2	930	e350	e220	e180	e150	e130	e110	e140	2950	1230	3090	944
3	849	e340	e220	e170	e150	e130	e110	e140	2850	1260	2610	983
4	750	e340	e220	e170	e150	e130	e110	e150	3050	1200	2280	1090
5	761	e330	e220	e170	e140	e130	e110	e150	3300	1380	2040	1070
6	947	e320	e220	e170	e140	e130	e110	e160	3440	2820	1900	1450
7	933	e320	e220	e170	e140	e120	e110	e170	3690	2800	1900	1290
8	850	e310	e210	e170	e140	e120	e110	e180	2740	2140	1770	1220
9	776	e310	e210	e170	e140	e120	e110	e190	2720	1680	1590	1140
10	672	e300	e210	e170	e140	e120	e110	e220	2420	1420	1450	1070
11	601	e300	e210	e170	e140	e120	e110	e290	2220	1260	1350	1000
12	578	e290	e210	e170	e140	e120	e110	e390	2080	1180	1490	951
13	571	e290	e200	e160	e140	e120	e110	e540	2390	1130	2000	910
14	e550	e280	e200	e160	e140	e120	e110	e750	3980	1080	1840	875
15	e540	e280	e200	e160	e140	e120	e110	e900	3360	1160	1970	840
16	e520	e270	e200	e160	e140	e120	e120	e1100	2750	1110	2110	806
17	e510	e270	e200	e160	e140	e120	e120	e1400	2100	1040	2220	785
18	e490	e270	e200	e160	e140	e120	e120	e1900	1790	1440	2110	761
19	e480	e260	e190	e160	e140	e120	e120	e2400	1630	1430	1970	737
20	e470	e260	e190	e160	e130	e120	e120	2850	1480	1190	1840	715
21	e450	e260	e190	e160	e130	e120	e120	3410	1340	1080	1630	699
22	e440	e250	e190	e160	e130	e120	e120	3610	1240	1110	1460	687
23	e430	e250	e190	e150	e130	e120	e120	5720	1180	2110	1350	679
24	e420	e250	e190	e150	e130	e120	e120	5780	1070	15300	1250	660
25	e410	e240	e190	e150	e130	e120	e120	4070	991	10700	1210	645
26	e400	e240	e180	e150	e130	e120	e120	3390	927	6480	1180	635
27	e390	e240	e180	e150	e130	e110	e120	3700	882	4850	1140	613
28	e380	e230	e180	e150	e130	e110	e130	3460	893	4190	1090	591
29	e380	e230	e180	e150	---	e110	e130	2430	861	5560	1020	578
30	e370	e230	e180	e150	---	e110	e130	2030	883	6720	966	554
31	e360	---	e180	e150	---	e110	---	2380	---	4920	939	---
TOTAL	18278	8470	6210	5010	3870	3730	3480	54130	64097	91980	54555	25907
MEAN	590	282	200	162	138	120	116	1746	2137	2967	1760	864
MAX	1070	360	230	180	150	130	130	5780	3980	15300	3790	1450
MIN	360	230	180	150	130	110	110	130	861	1010	939	554
AC-FT	36250	16800	12320	9940	7680	7400	6900	107400	127100	182400	108200	51390
CFSM	0.63	0.30	0.22	0.17	0.15	0.13	0.12	1.88	2.29	3.19	1.89	0.93
IN.	0.73	0.34	0.25	0.20	0.15	0.15	0.14	2.16	2.56	3.68	2.18	1.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2001, BY WATER YEAR (WY)#

	MEAN	250	171	122	94.0	76.5	197	2117	1678	1346	1629	1137
MEAN	463	250	171	122	94.0	76.5	197	2117	1678	1346	1629	1137
MAX	590	282	215	162	138	120	500	3143	3054	2967	3103	1780
(WY)	2001	2001	1998	2001	2001	2001	1998	1997	2000	2001	2000	1995
MIN	293	194	126	51.7	25.4	17.2	28.2	912	759	532	800	543
(WY)	2000	2000	1999	1999	1999	1999	1999	1999	1996	1996	1994	1996

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1991 - 2001#

ANNUAL TOTAL	435211	339717	
ANNUAL MEAN	1189	931	875
HIGHEST ANNUAL MEAN			1152
LOWEST ANNUAL MEAN			445
HIGHEST DAILY MEAN	12000	Aug 14	15300
LOWEST DAILY MEAN	a85	Mar 16	b110
ANNUAL SEVEN-DAY MINIMUM	85	Mar 16	110
MAXIMUM PEAK FLOW			d20400
MAXIMUM PEAK STAGE			41.92
ANNUAL RUNOFF (AC-FT)	863200	673800	633900
ANNUAL RUNOFF (CFSM)	1.28	1.000	0.94
ANNUAL RUNOFF (INCHES)	17.39	13.57	12.77
10 PERCENT EXCEEDS	3200	2410	2420
50 PERCENT EXCEEDS	380	300	292
90 PERCENT EXCEEDS	90	120	75

See Period of Record; partial years used in monthly statistics
a Mar. 16 to Apr. 9
b Mar. 27 to Apr. 15
c Mar. 20 to Apr. 14
d From rating curve extended above 6000 ft³/s on basis of slope-area measurement of peak flow at gage height 40.42 ft
e Estimated

15388030 NATION RIVER NEAR NATION—Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	558	e200	e110	e82	e74	e72	e70	e74	2650	903	985	2300
2	562	e200	e110	e82	e74	e72	e70	e76	2320	839	859	2270
3	542	e190	e110	e82	e74	e70	e70	e76	1950	975	789	2060
4	542	e180	e100	e82	e74	e70	e70	e78	1530	2000	717	1860
5	544	e180	e100	e80	e72	e70	e70	e78	1370	1790	664	1700
6	585	e170	e100	e80	e72	e70	e70	e80	1390	1450	625	1610
7	781	e170	e100	e80	e72	e70	e70	e84	1310	1810	607	1940
8	808	e170	e100	e80	e72	e70	e70	e90	1190	1400	647	2110
9	741	e160	e98	e80	e72	e70	e68	e96	1100	1190	853	1920
10	695	e160	e98	e78	e72	e70	e68	e110	1120	1750	1320	1860
11	643	e160	e96	e78	e72	e70	e68	e120	3240	1500	1320	1980
12	606	e150	e96	e78	e72	e70	e68	e140	5030	1290	1340	1810
13	547	e150	e94	e78	e72	e70	e68	e170	2920	1080	1550	1640
14	464	e150	e94	e78	e72	e70	e68	e210	2020	924	2240	1500
15	401	e140	e92	e76	e72	e70	e68	e400	2160	828	2790	1400
16	e370	e140	e92	e78	e72	e70	e68	e750	1510	788	6430	1310
17	e350	e140	e92	e76	e72	e70	e68	e1500	1100	731	14900	1230
18	e340	e130	e90	e76	e72	e70	e68	e4000	875	669	17600	1180
19	e320	e130	e90	e76	e72	e70	e68	6000	738	696	9770	1130
20	e310	e130	e90	e76	e72	e70	e68	6520	689	768	6970	1090
21	e300	e130	e88	e76	e72	e70	e68	6590	2020	838	5070	1030
22	e280	e120	e88	e76	e72	e70	e68	5480	2510	792	4290	978
23	e270	e120	e86	e76	e72	e70	e68	4810	2210	698	3840	936
24	e260	e120	e86	e76	e72	e70	e70	4220	1430	694	3360	916
25	e250	e120	e84	e74	e72	e70	e70	3790	1140	677	3520	907
26	e240	e120	e84	e74	e72	e70	e70	3900	1050	889	3110	898
27	e240	e110	e84	e74	e72	e70	e72	2900	898	2370	2630	907
28	e230	e110	e84	e74	e72	e70	e74	1320	772	3260	2360	950
29	e220	e110	e82	e74	---	e70	e74	e900	1160	2320	2130	949
30	e210	e110	e82	e74	---	e70	e74	e870	1020	1550	2090	e960
31	e210	---	e82	e74	---	e70	---	1500	---	1190	2020	---
TOTAL	13419	4370	2882	2398	2024	2174	2084	56932	50422	38659	107396	43331
MEAN	433	146	93.0	77.4	72.3	70.1	69.5	1837	1681	1247	3464	1444
MAX	808	200	110	82	74	72	74	6590	5030	3260	17600	2300
MIN	210	110	82	74	72	70	68	74	689	669	607	898
AC-FT	26620	8670	5720	4760	4010	4310	4130	112900	100000	76680	213000	85950
CFSM	0.46	0.16	0.10	0.08	0.08	0.08	0.07	1.97	1.81	1.34	3.72	1.55
IN.	0.54	0.17	0.12	0.10	0.08	0.09	0.08	2.27	2.01	1.54	4.29	1.73

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2002, BY WATER YEAR (WY)#

MEAN	457	230	155	113	89.7	75.2	172	2070	1678	1338	1782	1168
MAX	590	282	215	162	138	120	500	3143	3054	2967	3464	1780
(WY)	2001	2001	1998	2001	2001	2001	1998	1997	2000	2001	2002	1995
MIN	293	146	93.0	51.7	25.4	17.2	28.2	912	759	532	800	543
(WY)	2000	2002	2002	1999	1999	1999	1999	1999	1996	1996	1994	1996

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1991 - 2002#

ANNUAL TOTAL	327430	326091	
ANNUAL MEAN	897	893	879
HIGHEST ANNUAL MEAN			1152
LOWEST ANNUAL MEAN			445
HIGHEST DAILY MEAN	15300	17600	17600
LOWEST DAILY MEAN	a82	b68	c16
ANNUAL SEVEN-DAY MINIMUM	83	68	16
MAXIMUM PEAK FLOW		20000	d20400
MAXIMUM PEAK STAGE		41.82	41.92
ANNUAL RUNOFF (AC-FT)	649500	646800	636500
ANNUAL RUNOFF (CFSM)	0.96	0.96	0.94
ANNUAL RUNOFF (INCHES)	13.08	13.03	12.82
10 PERCENT EXCEEDS	2410	2220	2400
50 PERCENT EXCEEDS	180	160	280
90 PERCENT EXCEEDS	110	70	70

See Period of Record; partial years used in monthly statistics

a Dec. 29 to 31

b Apr. 9 to 23

c Mar. 20 to Apr. 14

d From rating curve extended above 6000 ft³/s on basis of slope-area measurement of peak flow at gage height 40.42 ft

e Estimated

15388030 NATION RIVER NEAR NATION—Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	977	---	---	---	---	---	---	---	e3300	634	4250	7960
2	969	---	---	---	---	---	---	---	e3300	612	2980	7720
3	998	---	---	---	---	---	---	---	e3000	693	2380	5600
4	e1000	---	---	---	---	---	---	---	e5700	957	2160	5000
5	875	---	---	---	---	---	---	---	e4400	900	1990	4260
6	762	---	---	---	---	---	---	---	e3300	784	2780	3540
7	761	---	---	---	---	---	---	---	e6000	796	3110	2970
8	---	---	---	---	---	---	---	---	e6200	1030	2470	2580
9	---	---	---	---	---	---	---	---	e6000	1060	2080	2320
10	---	---	---	---	---	---	---	---	e5700	908	1810	2160
11	---	---	---	---	---	---	---	---	e4000	884	1620	2040
12	---	---	---	---	---	---	---	---	e3000	936	1490	2350
13	---	---	---	---	---	---	---	---	e2300	1380	1590	2250
14	---	---	---	---	---	---	---	---	e1900	2630	1650	1920
15	---	---	---	---	---	---	---	---	e1600	4580	1500	1720
16	---	---	---	---	---	---	---	---	e1400	5120	1390	1640
17	---	---	---	---	---	---	---	---	e1200	4210	1550	1480
18	---	---	---	---	---	---	---	---	e1050	3200	2160	e1400
19	---	---	---	---	---	---	---	---	e930	2430	2420	e1300
20	---	---	---	---	---	---	---	---	840	1960	3440	e1300
21	---	---	---	---	---	---	---	---	766	1650	2760	e1200
22	---	---	---	---	---	---	---	---	710	1540	2510	e1200
23	---	---	---	---	---	---	---	---	672	1370	2280	e1100
24	---	---	---	---	---	---	---	---	649	1210	2090	e1100
25	---	---	---	---	---	---	---	---	673	1100	2180	e1100
26	---	---	---	---	---	---	---	---	661	1050	2130	e1000
27	---	---	---	---	---	---	---	---	714	1120	1910	e1000
28	---	---	---	---	---	---	---	---	740	1970	1730	e1000
29	---	---	---	---	---	---	---	---	736	2190	1590	e900
30	---	---	---	---	---	---	---	---	679	1790	1470	e900
31	---	---	---	---	---	---	---	---	---	3300	1570	---
TOTAL	---	---	---	---	---	---	---	---	72120	53994	67040	72010
MEAN	---	---	---	---	---	---	---	---	2404	1742	2163	2400
MAX	---	---	---	---	---	---	---	---	6200	5120	4250	7960
MIN	---	---	---	---	---	---	---	---	649	612	1390	900
AC-FT	---	---	---	---	---	---	---	---	143000	107100	133000	142800
CFSM	---	---	---	---	---	---	---	---	2.58	1.87	2.32	2.58
IN.	---	---	---	---	---	---	---	---	2.88	2.16	2.68	2.88

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2003, BY WATER YEAR (WY)#

MEAN	457	230	155	113	89.7	75.2	172	2070	1751	1369	1811	1280
MAX	590	282	215	162	138	120	500	3143	3054	2967	3464	2400
(WY)	2001	2001	1998	2001	2001	2001	1998	1997	2000	2001	2002	2003
MIN	293	146	93.0	51.7	25.4	17.2	28.2	912	759	532	800	543
(WY)	2000	2002	2002	1999	1999	1999	1999	1999	1996	1996	1994	1996

SUMMARY STATISTICS

WATER YEARS 1991 - 2003#

ANNUAL MEAN	879
HIGHEST ANNUAL MEAN	1152 2000
LOWEST ANNUAL MEAN	445 1999
HIGHEST DAILY MEAN	17600 Aug 18 2002
LOWEST DAILY MEAN	a16 Mar 20 1999
ANNUAL SEVEN-DAY MINIMUM	16 Mar 20 1999
MAXIMUM PEAK FLOW	b20400 Jul 24 2001
MAXIMUM PEAK STAGE	41.92 Jul 24 2001
ANNUAL RUNOFF (AC-FT)	636500
ANNUAL RUNOFF (CFSM)	0.94
ANNUAL RUNOFF (INCHES)	12.82
10 PERCENT EXCEEDS	2400
50 PERCENT EXCEEDS	280
90 PERCENT EXCEEDS	70

See Period of Record; partial years used in monthly statistics

a Mar. 20 to Apr. 14, 1999

b From rating curve extended above 6000 ft³/s on basis of slope-area measurement of peak flow at gage height 40.42 ft

e Estimated

15388070 KANDIK RIVER BELOW THREEMILE CREEK NEAR NATION

LOCATION.--Lat 65°23'08", long 142°26'41", in SW¹/₄ SW¹/₄ sec.32, T.6 N., R.25 E. (Charley River B-3 quad), Hydrologic Unit 19040401, in Yukon-Charley Rivers National Preserve, on right bank, 0.4 mi downstream from Threemile Creek, 2.8 mi upstream from mouth, 23 mi northwest of Nation townsite, and 55 mi northwest of Eagle.

DRAINAGE AREA.--1176 mi²

PERIOD OF RECORD.--June to September 2002.

GAGE.--Water-stage recorder. Elevation of gage is 770 ft above sea level, from topographic map.

EXTREMES FOR CURRENT PERIOD.--June 15 to September 30: Maximum discharge not determined, highest daily mean 30,900 ft³/s, August 18, 2002 from rating curve extended above 3220 ft³/s, gage height 49.27 ft; minimum discharge not determined, occurs during winter.

REMARKS.--Records fair, except for discharges above 8000 ft³/s and estimated daily discharges, which are poor.

DISCHARGE, in CFS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	556	918	1650
2	---	---	---	---	---	---	---	---	---	502	748	2010
3	---	---	---	---	---	---	---	---	---	537	633	2080
4	---	---	---	---	---	---	---	---	---	1640	559	1720
5	---	---	---	---	---	---	---	---	---	3850	502	1470
6	---	---	---	---	---	---	---	---	---	2190	447	1320
7	---	---	---	---	---	---	---	---	---	2010	409	1930
8	---	---	---	---	---	---	---	---	---	1850	401	2830
9	---	---	---	---	---	---	---	---	---	1390	498	2530
10	---	---	---	---	---	---	---	---	---	1090	1270	2070
11	---	---	---	---	---	---	---	---	---	1040	1790	1920
12	---	---	---	---	---	---	---	---	---	1060	1530	1770
13	---	---	---	---	---	---	---	---	---	861	1610	1540
14	---	---	---	---	---	---	---	---	---	738	2150	1360
15	---	---	---	---	---	---	---	---	e2300	740	2860	1220
16	---	---	---	---	---	---	---	---	e1700	729	4990	1110
17	---	---	---	---	---	---	---	---	e1200	691	25400	1020
18	---	---	---	---	---	---	---	---	e900	613	30900	949
19	---	---	---	---	---	---	---	---	e750	619	12300	906
20	---	---	---	---	---	---	---	---	680	749	7220	868
21	---	---	---	---	---	---	---	---	1320	905	5110	821
22	---	---	---	---	---	---	---	---	4680	856	4010	775
23	---	---	---	---	---	---	---	---	3500	746	3880	708
24	---	---	---	---	---	---	---	---	2180	668	3330	656
25	---	---	---	---	---	---	---	---	1440	711	2950	638
26	---	---	---	---	---	---	---	---	1170	929	2850	628
27	---	---	---	---	---	---	---	---	1060	1170	2460	625
28	---	---	---	---	---	---	---	---	901	2290	2070	628
29	---	---	---	---	---	---	---	---	753	2520	1800	667
30	---	---	---	---	---	---	---	---	636	1650	1640	680
31	---	---	---	---	---	---	---	---	---	1150	1590	---
TOTAL	---	---	---	---	---	---	---	---	---	37050	128825	39099
MEAN	---	---	---	---	---	---	---	---	---	1195	4156	1303
MAX	---	---	---	---	---	---	---	---	---	3850	30900	2830
MIN	---	---	---	---	---	---	---	---	---	502	401	625
AC-FT	---	---	---	---	---	---	---	---	---	73490	255500	77550

e Estimated

15388960 PORCUPINE RIVER NEAR INTERNATIONAL BOUNDARY
(International Gaging Station)

LOCATION.--Lat 67°25'27", long 140°53'28", 3.1 mi upstream from old townsite of Ramparts House, at Alaska-Yukon Territory Boundary.

DRAINAGE AREA.--23,100 mi², approximately.

PERIOD OF RECORD.--October 1987 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 600 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Differences between data published herein and corresponding data in the reports of the Water Survey of Canada are due to variations in automated program techniques. After December 1978, data published in reports of the Water Survey of Canada are in International System (SI) units, and have been converted to inch-pound units for this report. Formerly the data reported in the USGS Water-Data Report were one year prior to those reported for U.S. gages because the Water Survey of Canada discharge records for the calendar year were not received until the following year. Starting with the 2003 water year, periods of record for this station will be current with U.S. gage reports.

COOPERATION.--Discharge records furnished by the Water Survey of Canada.

DISCHARGE, in CFS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5830	e2660	e1600	e1030	e738	e664	e660	e636	22700	32900	18800	17500
2	5610	e2620	e1570	e1020	e734	e667	e664	e636	17800	32100	15800	15800
3	5370	e2570	e1560	e1020	e731	e667	e664	e636	15900	31100	13100	14500
4	5190	e2520	e1530	e999	e724	e664	e660	e636	19400	29200	11100	14200
5	5010	e2480	e1510	e982	e717	e664	e660	e639	25700	29100	9750	14400
6	4870	e2440	e1490	e968	e710	e664	e660	e643	31000	31400	8860	15300
7	4870	e2390	e1470	e964	e699	e664	e660	e650	35300	31200	8330	17500
8	4700	e2350	e1450	e946	e703	e660	e660	e660	36700	33700	9890	17400
9	e4480	e2310	e1430	e932	e699	e664	e657	e674	37800	37400	15500	16200
10	e4410	e2270	e1410	e915	e696	e664	e653	e692	37400	41000	16300	14900
11	e4240	e2230	e1390	e900	e692	e667	e653	e713	35700	37400	14500	13600
12	e3950	e2190	e1370	e886	e689	e667	e653	e742	33500	29800	15800	12800
13	e3850	e2150	e1360	e883	e685	e667	e650	e784	32300	23900	22500	12300
14	e3990	e2110	e1340	e876	e685	e664	e650	e855	32300	21600	29800	14500
15	e3850	e2080	e1320	e862	e685	e671	e650	e1170	34800	22800	33500	21900
16	e3600	e2040	e1300	e855	e667	e671	e650	e2470	39500	21600	34400	21200
17	e3530	e2000	e1280	e844	e681	e671	e650	e17700	40300	19500	35000	18500
18	e3320	e1970	e1260	e837	e681	e674	e650	e26500	38100	18400	36400	16200
19	e3330	e1940	e1240	e830	e677	e678	e646	e33900	40300	17800	40300	14300
20	e2830	e1900	e1230	e826	e678	e678	e639	e42400	41700	16900	45200	12800
21	e2660	e1880	e1210	e816	e674	e674	e639	e51200	39500	15300	49100	11700
22	e2860	e1840	e1190	e809	e671	e671	e639	e57200	41700	13300	46600	10800
23	e3140	e1810	e1180	e798	e667	e671	e639	e60700	45600	11600	41700	10200
24	e3100	e1780	e1160	e784	e664	e644	e639	e63600	47700	10400	37100	9960
25	e3030	e1760	e1140	e780	e664	e660	e636	e62100	45200	9850	32400	9820
26	e2980	e1730	e1130	e777	e664	e657	e636	e60000	41300	9850	28900	9570
27	e2920	e1700	e1120	e766	e664	e657	e636	e56500	36700	10500	27300	9290
28	e2870	e1670	e1100	e759	e660	e653	e636	e52300	33200	15600	25600	8860
29	e2810	e1650	e1090	e749	---	e657	e636	e44100	31500	26500	23600	8580
30	e2760	e1620	e1080	e745	---	e653	e636	37400	31300	25800	21500	8690
31	e2710	---	e1060	e738	---	e657	---	29800	---	22100	19500	---
TOTAL	118670	62660	40570	26896	19299	20604	19461	708636	1041900	729600	788130	413270
MEAN	3828	2089	1309	868	689	665	649	22860	34730	23540	25420	13780
MAX	5830	2660	1600	1030	738	738	664	63600	47700	41000	49100	21900
MIN	2660	1620	1060	738	660	644	636	636	15900	9850	8330	8580
AC-FT	235400	124300	80470	53350	38280	40870	38600	1406000	2067000	1447000	1563000	819700
CFSM	0.17	0.09	0.06	0.04	0.03	0.03	0.03	0.99	1.50	1.02	1.10	0.60
IN.	0.19	0.10	0.07	0.04	0.03	0.03	0.03	1.14	1.68	1.17	1.27	0.67

e Estimated

15388960 PORCUPINE RIVER NEAR INTERNATIONAL BOUNDARY—Continued
(International Gaging Station)

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2002, BY WATER YEAR (WY)

MEAN	4462	1778	1083	811	683	649	764	33970	43940	15540	19270	16620
MAX	8241	3161	1479	1049	966	870	1711	63160	86470	29580	37940	34320
(WY)	1996	1999	1999	2001	2001	2001	1998	1990	1992	1994	1991	1995
MIN	2571	1122	870	551	398	383	562	1369	20410	6041	10090	7697
(WY)	2000	1997	2000	1997	1997	1997	1997	2001	1999	1999	1994	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1988 - 2002	
ANNUAL TOTAL	3507903		3989696			
ANNUAL MEAN	9611		10930		11670	
HIGHEST ANNUAL MEAN					16090	
LOWEST ANNUAL MEAN					6569	
HIGHEST DAILY MEAN	108000	Jun 8	63600	May 24	248000	Jun 1 1992
LOWEST DAILY MEAN	a809	Apr 23	b636	Apr 25	c367	Mar 3 1997
ANNUAL SEVEN-DAY MINIMUM	811	Apr 20	636	Apr 25	369	Mar 1 1997
MAXIMUM PEAK FLOW			d		250000	Jun 1 1992
MAXIMUM PEAK STAGE					50.76	Jun 1 1992
INSTANTANEOUS LOW FLOW					470	Mar 19 1990
ANNUAL RUNOFF (AC-FT)	6958000		7914000		8452000	
ANNUAL RUNOFF (CFSM)	0.42		0.47		0.51	
ANNUAL RUNOFF (INCHES)	5.65		6.42		6.86	
10 PERCENT EXCEEDS	24400		36000		33700	
50 PERCENT EXCEEDS	1730		2110		1920	
90 PERCENT EXCEEDS	847		659		639	

a From Apr. 23 to 24

b From Apr. 25 to May 4

c From Mar. 3 to 6, 1997

d Undetermined, see highest daily mean

15388960 PORCUPINE RIVER NEAR INTERNATIONAL BOUNDARY—Continued
(International Gaging Station)

DISCHARGE, in CFS, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9460	e3780	e2030	e1210	e826	e632	e650	e1190	78700	13900	23600	34100
2	10500	e3740	e1990	e1190	e816	e629	e653	e1260	73000	15000	23200	31300
3	12000	e3670	e1950	e1180	e805	e625	e660	e1330	68300	15300	23500	29000
4	13000	e3570	e1910	e1160	e794	e625	e664	e1410	68000	13200	23600	27000
5	13000	e3510	e1870	e1140	e784	e621	e671	e1530	65800	11300	22000	27400
6	12000	e3420	e1840	e1130	e777	e621	e678	e1660	59700	9940	20200	30800
7	10900	e3340	e1800	e1120	e770	e621	e681	e1800	54000	9160	18800	30500
8	e9180	e3260	e1760	e1100	e763	e621	e689	e1960	47800	9380	21000	29100
9	e8470	e3190	e1730	e1090	e756	e618	e696	e2100	41800	10100	23700	26900
10	e7770	e3120	e1700	e1080	e749	e618	e703	e2240	36700	13200	24400	24900
11	e6000	e3040	e1670	e1060	e745	e621	e710	e2670	33100	19800	23300	23000
12	e4590	e2970	e1650	e1050	e738	e621	e713	e2900	29700	24100	21200	21400
13	e4240	e2910	e1620	e1030	e724	e621	e724	e3150	26000	24200	20000	19700
14	e5120	e2840	e1600	e1020	e710	e621	e734	e3430	22400	22700	31300	19300
15	e5830	e2770	e1570	e1010	e703	e621	e745	e4100	19100	21700	44000	18600
16	e5720	e2720	e1540	e999	e699	e621	e759	e4590	16500	30700	44200	18200
17	e5330	e2670	e1510	e989	e692	e625	e773	e5120	14200	41500	39200	17600
18	e5230	e2620	e1480	e975	e685	e625	e787	e5830	12300	41300	33400	15900
19	e5050	e2570	e1450	e964	e678	e625	e798	e7450	11200	37500	29700	14300
20	e4910	e2520	e1440	e950	e674	e625	e812	e8400	11800	33700	28100	12800
21	e4730	e2480	e1420	e939	e667	e625	e823	e9430	13800	30600	26300	11600
22	e4660	e2430	e1400	e925	e664	e629	e833	e11700	13700	26600	24200	10800
23	e4560	e2380	e1380	e915	e660	e629	e847	e16500	13400	22000	22800	9980
24	e4450	e2340	e1370	e904	e653	e629	e855	e18500	12200	18000	23700	9330
25	e4340	e2290	e1350	e890	e650	e629	e886	e20800	11000	14800	27600	8850
26	e4240	e2240	e1330	e876	e646	e632	e911	e27600	9950	12300	32400	8430
27	e4170	e2190	e1310	e858	e643	e632	e950	e35300	9350	10900	43200	7920
28	e4060	e2150	e1290	e851	e636	e636	e989	e42400	9060	9870	45500	7460
29	e3990	e2110	e1280	e847	---	e639	e1030	54000	9540	10000	43500	7150
30	e3920	e2070	e1270	e840	---	e643	e1110	63600	11900	14900	39900	6880
31	e3850	---	e1250	e833	---	e646	---	76400	---	22700	37100	---
TOTAL	205270	84910	48760	31125	20107	19426	23534	440350	904000	610350	904600	560200
MEAN	6622	2830	1573	1004	718	627	784	14200	30130	19690	29180	18670
MAX	13000	3780	2030	1210	826	646	1110	76400	78700	41500	45500	34100
MIN	3850	2070	1250	833	636	618	650	1190	9060	9160	18800	6880
AC-FT	407200	168400	96720	61740	39880	38530	46680	873400	1793000	1211000	1794000	1111000
CFSM	0.29	0.12	0.07	0.04	0.03	0.03	0.03	0.61	1.30	0.85	1.26	0.81
IN.	0.33	0.14	0.08	0.05	0.03	0.03	0.04	0.71	1.46	0.98	1.46	0.90

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2003, BY WATER YEAR (WY)

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
MEAN	4597	1844	1114	823	685	648	765	32730	43070	15800	19890	16750				
MAX	8241	3161	1573	1049	966	870	1711	63160	86470	29580	37940	34320				
(WY)	1996	1999	2003	2001	2001	2001	1998	1990	1992	1994	1991	1995				
MIN	2571	1122	870	551	398	383	562	1369	20410	6041	10090	7697				
(WY)	2000	1997	2000	1997	1997	1997	1997	2001	1999	1999	1994	2000				

SUMMARY STATISTICS

	FOR 2002 CALENDAR YEAR	FOR 2003 WATER YEAR	WATER YEARS 1988 - 2003
ANNUAL TOTAL	4106736	3852632	
ANNUAL MEAN	11250	10560	11600
HIGHEST ANNUAL MEAN			16090
LOWEST ANNUAL MEAN			6569
HIGHEST DAILY MEAN	63600	May 24	78700
LOWEST DAILY MEAN	a636	Apr 25	b618
ANNUAL SEVEN-DAY MINIMUM	636	Apr 25	620
MAXIMUM PEAK FLOW			79800
MAXIMUM PEAK STAGE			41.41
INSTANTANEOUS LOW FLOW			470
ANNUAL RUNOFF (AC-FT)	8146000	7642000	8402000
ANNUAL RUNOFF (CFSM)	0.49	0.46	0.50
ANNUAL RUNOFF (INCHES)	6.61	6.20	6.82
10 PERCENT EXCEEDS	36000	30500	33400
50 PERCENT EXCEEDS	2770	3040	1970
90 PERCENT EXCEEDS	659	652	639

a From Apr. 25 to May 4
b From Mar. 9 to 10
c From Mar. 3 to 6, 1997
e Estimated

15453500 YUKON RIVER NEAR STEVENS VILLAGE

LOCATION.--Lat 65°52'32", long 149°43'04", in SE¹/₄ SW¹/₄ sec. 7, T. 12 N., R. 10 W. (Livengood D-6 quad), Hydrologic Unit 19040404, on right bank, 115 ft upstream from bridge at MP 56.0 on Dalton Highway, 0.5 mi downstream from Woodcamp Creek, 2.5 mi upstream from Ray River, and 21 mi southwest of Stevens Village.

DRAINAGE AREA.--196,300 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1976 to current year.

GAGE.--Water-stage recorder and supplementary water-stage recorder on bridge pier at same site and datum. Datum of gage is 240.68 ft above sea level (revised).

REMARKS.--Records good except for estimated daily discharges, which are poor. GOES satellite telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge observed, 950,000 ft³/s, June 15-16, 1964, "at Rampart" (station 15468000), drainage area, 199,400 mi², approximately.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	140000	e86000	e41000	e31000	e27000	e26000	e26000	e36000	222000	189000	197000	210000
2	138000	e87000	e41000	e30000	e27000	e26000	e26000	e41000	244000	184000	197000	213000
3	135000	e87000	e41000	e30000	e27000	e26000	e26000	e48000	266000	179000	195000	208000
4	133000	e87000	e41000	e30000	e27000	e26000	e26000	e60000	288000	176000	195000	207000
5	132000	e85000	e40000	e30000	e27000	e26000	e26000	e77000	301000	175000	196000	227000
6	130000	e83000	e40000	e30000	e27000	e26000	e26000	e100000	305000	178000	194000	245000
7	129000	e81000	e39000	e29000	e27000	e26000	e26000	e130000	304000	185000	188000	248000
8	127000	e78000	e38000	e29000	e27000	e26000	e26000	e170000	298000	190000	184000	242000
9	125000	e76000	e38000	e29000	e27000	e26000	e26000	e200000	295000	189000	182000	234000
10	123000	e75000	e37000	e29000	e27000	e26000	e26000	e210000	301000	194000	180000	227000
11	119000	e75000	e37000	e29000	e27000	e26000	e26000	e210000	309000	202000	178000	219000
12	114000	e77000	e36000	e29000	e27000	e26000	e26000	e210000	309000	205000	176000	211000
13	110000	e84000	e36000	e29000	e27000	e26000	e26000	e210000	301000	203000	174000	205000
14	107000	e88000	e36000	e29000	e27000	e26000	e26000	203000	293000	201000	170000	198000
15	105000	e94000	e35000	e29000	e27000	e26000	e26000	e210000	286000	204000	165000	191000
16	99200	e96000	e35000	e29000	e27000	e26000	e26000	e230000	278000	206000	161000	186000
17	e98000	e91000	e35000	e29000	e27000	e26000	e26000	e240000	268000	206000	161000	181000
18	e96000	e85000	e35000	e29000	e27000	e26000	e26000	e250000	258000	207000	167000	175000
19	e96000	e78000	e34000	e28000	e27000	e26000	e26000	e250000	247000	212000	180000	168000
20	e94000	e71000	e34000	e28000	e27000	e26000	e26000	243000	236000	220000	192000	161000
21	e93000	e57000	e34000	e28000	e27000	e26000	e26000	e240000	223000	230000	195000	154000
22	e93000	e50000	e34000	e28000	e27000	e26000	e26000	e240000	210000	236000	193000	147000
23	e91000	e47000	e34000	e28000	e27000	e26000	e26000	e240000	197000	235000	188000	140000
24	e90000	e44000	e33000	e28000	e27000	e26000	e26000	e230000	188000	227000	183000	134000
25	e90000	e42000	e33000	e28000	e26000	e26000	e26000	e220000	188000	214000	176000	128000
26	e89000	e41000	e33000	e28000	e26000	e26000	e27000	e210000	198000	205000	172000	124000
27	e88000	e41000	e33000	e28000	e26000	e26000	e27000	e200000	203000	199000	170000	119000
28	e88000	e41000	e32000	e28000	e26000	e26000	e28000	e190000	202000	197000	170000	115000
29	e87000	e41000	e32000	e28000	---	e26000	e30000	192000	199000	200000	177000	112000
30	e87000	e41000	e31000	e28000	---	e26000	e32000	196000	195000	200000	189000	110000
31	e87000	---	e31000	e28000	---	e26000	---	207000	---	198000	202000	---
TOTAL	3333200	2109000	1109000	893000	752000	806000	794000	5693000	7612000	6246000	5647000	5439000
MEAN	107500	70300	35770	28810	26860	26000	26470	183600	253700	201500	182200	181300
MAX	140000	96000	41000	31000	27000	26000	32000	250000	309000	236000	202000	248000
MIN	87000	41000	31000	28000	26000	26000	26000	36000	188000	175000	161000	110000
AC-FT	6611000	4183000	2200000	1771000	1492000	1599000	1575000	11290000	15100000	12390000	11200000	10790000
CFSM	0.55	0.36	0.18	0.15	0.14	0.13	0.13	0.94	1.29	1.03	0.93	0.92
IN.	0.63	0.40	0.21	0.17	0.14	0.15	0.15	1.08	1.44	1.18	1.07	1.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2003, BY WATER YEAR (WY)

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
MEAN	100000	51460	36800	29970	25530	22570	22270	205700	336000	231300	199700	165500															
MAX	164500	70300	48450	37680	32140	28970	28170	373000	614100	320200	255100	229500															
(WY)	2001	2003	1983	1977	1981	1981	1981	1991	1992	1992	2000	2000															
MIN	75340	34530	26770	23550	19320	16000	14800	90680	226800	178900	142400	116500															
(WY)	1993	1990	1990	1996	1999	1999	1997	1992	1995	1996	1989	1989															

SUMMARY STATISTICS

	FOR 2002 CALENDAR YEAR	FOR 2003 WATER YEAR	WATER YEARS 1977 - 2003
ANNUAL TOTAL	42478200	40433200	
ANNUAL MEAN	116400	110800	119300
HIGHEST ANNUAL MEAN			144400
LOWEST ANNUAL MEAN			93910
HIGHEST DAILY MEAN	461000	May 26	309000
LOWEST DAILY MEAN	a19000	Apr 12	b26000
ANNUAL SEVEN-DAY MINIMUM	19000	Apr 12	26000
MAXIMUM PEAK FLOW			312000
MAXIMUM PEAK STAGE		39.30	Jun 12
ANNUAL RUNOFF (AC-FT)	84260000	80200000	86460000
ANNUAL RUNOFF (CFSM)	0.59	0.56	0.61
ANNUAL RUNOFF (INCHES)	8.05	7.66	8.26
10 PERCENT EXCEEDS	256000	227000	276000
50 PERCENT EXCEEDS	81000	87000	58000
90 PERCENT EXCEEDS	20000	26000	22000

a From Apr. 12 to Apr. 28
 b From Feb. 25 to Apr. 25
 c From Apr. 14 to 25
 e Estimated

15453500 YUKON RIVER NEAR STEVENS VILLAGE—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1970-72, 1978, and 2001 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Sample location, cross section ft from rt bank (72103)	Specif. conductance, wat unf 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temperature, water, deg C (00010)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
MAR								
26...	1850	250.0	--	7.4	0.0	768	8.3	--
26...	1945	400.0	286	7.4	0.0	771	10.2	69
26...	2000	475.0	286	7.5	0.0	770	8.4	57
26...	2005	925.0	286	7.5	0.0	770	9.5	64
26...	2015	1600	287	7.5	0.0	772	8.8	59
MAY								
29...	1755	1650	156	7.6	9.5	761	10.3	91
29...	1800	1250	156	7.6	9.5	761	10.4	91
29...	1803	950.0	156	7.6	9.5	761	10.5	92
29...	1806	650.0	154	7.6	9.5	761	9.9	87
29...	1809	270.0	150	7.6	9.6	761	10.3	91
JUN								
12...	1345	350.0	179	7.8	14.6	761	9.3	92
12...	1405	750.0	179	7.7	14.7	761	9.3	92
12...	1420	1040	179	7.7	14.7	761	9.3	92
12...	1430	1345	181	7.8	14.7	761	9.3	92
12...	1445	1685	180	7.8	14.7	761	9.1	90
JUL								
15...	1710	1700	223	8.0	16.8	752	9.9	104
15...	1715	1350	224	8.0	16.8	752	9.3	98
15...	1720	1050	215	8.0	16.8	752	9.3	97
15...	1725	700.0	222	8.0	16.8	752	9.0	94
15...	1730	350.0	223	8.0	16.8	752	8.9	93
24...	1500	1700	230	7.9	18.0	761	8.7	92
24...	1505	1350	228	7.9	18.0	761	8.9	94
24...	1510	1050	230	8.0	18.1	761	8.9	94
24...	1515	700.0	226	7.9	18.0	761	8.9	95
24...	1520	350.0	229	7.9	18.0	761	8.9	95
AUG								
21...	1441	1680	226	8.2	14.3	752	9.1	90
21...	1443	1300	226	8.2	14.3	752	9.1	90
21...	1447	1000	226	8.2	14.3	752	9.1	90
21...	1450	680.0	226	8.2	14.3	752	9.1	90
21...	1452	380.0	227	8.2	14.3	752	9.1	90
SEP								
11...	1715	350.0	217	8.0	8.8	760	10.0	86
11...	1718	700.0	218	8.1	8.8	760	9.9	86
11...	1722	1020	218	8.1	8.8	760	9.9	86
11...	1725	1350	218	8.1	8.8	760	9.9	85
11...	1727	1700	218	8.1	8.8	760	9.9	85

Date	Time	Medium code	Sample type	Stream width, feet (00004)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Sampler type, code (84164)	Type of sample related QA data, code (99111)	Specif. conductance, wat unf 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
MAR													
26...	1900	9	9	1900	--	26500	20	3060	30	286	7.5	-8.0	.0
MAY													
29...	1600	9	9	2030	32.00	192000	20	3056	30	156	7.6	--	9.5
JUN													
12...	1420	9	9	2000	39.17	310000	20	3056	10	179	7.8	--	14.7
JUL													
15...	1600	9	9	--	32.88	204000	20	3056	1	221	8.0	--	16.8
24...	1410	9	9	--	34.35	227000	20	3056	1	230	8.0	--	18.0
AUG													
21...	1330	9	9	--	32.25	195000	20	3056	1	226	8.2	--	14.3
SEP													
11...	1610	9	9	2080	33.78	218000	20	3056	30	217	8.1	9.0	8.8

15453500 YUKON RIVER NEAR STEVENS VILLAGE—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Turbidity, wat unflab, Hach 2100AN NTU (99872)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	Potassium, water, fltrd, mg/L (00935)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)
MAR 26...	8.0	.039	.028	770	8.4	57	150	41.6	10.4	3.19	.91	145	.0
MAY 29...	48	.500	.376	761	10.3	90	89	25.7	6.12	1.98	.93	77	.0
JUN 12...	110	.229	.172	761	9.3	92	94	26.5	6.66	2.59	.82	80	.0
JUL 15...	220	.149	.110	752	9.3	97	110	31.1	8.32	2.87	1.29	95	.0
JUL 24...	390	.155	.114	761	8.9	94	110	30.6	8.07	2.88	1.31	98	.0
AUG 21...	210	.131	.095	752	9.1	90	110	32.2	7.73	2.64	1.12	101	.0
SEP 11...	35	.251	.185	760	9.9	85	100	28.4	7.92	2.13	.73	84	.0

Date	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Alkalinity, wat flt fxd end field, mg/L as CaCO3 (39036)	Sulfate, water, fltrd, mg/L (00945)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Residue on evap. at 180degC, wat flt mg/L (70300)	Residue water, fltrd, sum of constituents mg/L (70301)	Nitrite + nitrate, water, fltrd, mg/L as N (00613)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)	Ammonia + org-N, water, unfltrd, mg/L as N (00608)	Ammonia + org-N, water, fltrd, mg/L as N (00625)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
MAR 26...	119	120	34.2	.65	.13	7.06	187	170	<.002	.109	<.015	E.10	E.08
MAY 29...	63	64	21.7	.96	<.2	4.34	134	100	.003	.025	<.015	.50	.36
JUN 12...	66	66	23.9	.54	<.2	4.33	113	105	<.002	.040	<.015	.65	.17
JUL 15...	78	78	31.8	1.20	<.2	6.36	144	130	<.002	.028	<.015	.33	.14
JUL 24...	81	81	34.0	1.41	<.2	5.80	143	133	<.002	.041	<.015	.41	.18
AUG 21...	83	83	34.6	.79	<.2	5.65	143	135	<.002	.035	<.015	.29	.11
SEP 11...	69	71	31.6	.81	<.2	5.48	149	119	<.002	.080	<.015	.29	.18

Date	Phosphorus, water, unfltrd mg/L (00665)	Phosphorus, water, fltrd, mg/L (00666)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, suspnd sedimnt total, percent (30292)	Aluminum, suspnd sedimnt total, percent (30221)	Aluminum, water, fltrd, ug/L (01106)	Antimony, suspnd sedimnt total, ug/g (29816)	Antimony, water, fltrd, ug/L (01095)	Arsenic, suspnd sedimnt total, ug/g (29818)	Arsenic, water, fltrd, ug/L (01000)	Barium, suspnd sedimnt total, ug/g (29820)	Barium, water, fltrd, ug/L (01005)	Beryllium, suspnd sedimnt total, ug/g (29822)
MAR 26...	.006	E.003	<.007	.100	6.5	2	1.2	<.30	16	.4	940	74	2
MAY 29...	.175	.008	<.007	.096	6.4	36	1.2	<.30	11	.5	970	42	2
JUN 12...	.44	.006	<.007	.098	6.6	25	1.6	<.30	13	.5	920	40	2
JUL 15...	.36	E.004	<.007	.100	7.2	24	1.5	E.17	14	.6	790	43	1
JUL 24...	.49	E.004	<.007	.093	7.1	27	1.8	E.20	14	.6	770	44	1
AUG 21...	.29	<.004	<.007	.092	7.0	22	1.6	E.17	13	.5	710	41	1
SEP 11...	.106	<.004	<.007	.085	6.4	24	1.5	<.30	11	.5	830	44	1

Date	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium, suspnd sedimnt total, ug/g (29826)	Cadmium, water, fltrd, ug/L (01025)	Chromium, suspnd sedimnt total, ug/g (29829)	Chromium, water, fltrd, ug/L (01030)	Cobalt, suspnd sedimnt total, ug/g (35031)	Cobalt, water, fltrd, ug/L (01035)	Copper, suspnd sedimnt total, ug/g (29832)	Copper, water, fltrd, ug/L (01040)	Iron, suspnd sedimnt total, percent (30269)	Iron, water, fltrd, ug/L (01046)	Lead, suspnd sedimnt total, ug/g (29836)
MAR 26...	<.06	12	1.3	<.04	120	<.8	19	.093	49	1.0	4.1	E7	18
MAY 29...	<.06	8	1.1	E.02	110	<.8	15	.138	34	3.4	3.6	175	18
JUN 12...	<.06	E7	.7	<.04	110	<.8	14	.105	32	2.5	3.6	72	13
JUL 15...	<.06	9	.5	<.04	93	<.8	18	.079	45	2.2	4.6	10	10
JUL 24...	<.06	10	.7	<.04	95	<.8	18	.082	46	2.2	4.6	19	11
AUG 21...	<.06	8	.6	<.04	110	<.8	19	.098	41	2.0	4.4	20	13
SEP 11...	<.06	15	.4	<.04	110	<.8	15	.105	28	1.9	3.5	68	15

15453500 YUKON RIVER NEAR STEVENS VILLAGE—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Lead, water, fltrd, ug/L (01049)	Lithium suspnd sedimnt total, ug/g (35050)	Lithium water, fltrd, ug/L (01130)	Mangan- ese, suspnd sedimnt total, ug/g (29839)	Mangan- ese, water, fltrd, ug/L (01056)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb- denum, suspnd sedimnt total, ug/g (29843)	Molyb- denum, water, fltrd, ug/L (01060)	Nickel, suspnd sedimnt total, ug/g (29845)	Nickel, water, fltrd, ug/L (01065)	Selen- ium, suspnd sedimnt total, ug/g (29847)	Selen- ium, water, fltrd, ug/L (01145)	Silver, suspnd sedimnt total, ug/g (29850)
MAR 26...	<.08	31	3.3	2200	8.5	.25	3	1.2	76	1.28	M	.6	M
MAY 29...	.09	32	2.7	790	7.2	.08	5	.6	59	2.72	M	E.4	<.5
JUN 12...	E.06	30	2.6	750	4.7	.09	3	.7	54	1.62	M	E.3	<.5
JUL 15...	<.08	29	3.1	850	1.1	.03	2	1.0	59	1.98	M	E.3	<.5
JUL 24...	<.08	31	3.6	800	1.0	.03	3	1.1	61	2.00	M	.5	M
AUG 21...	<.08	31	3.6	810	1.4	.03	3	.9	60	2.17	M	E.3	<.5
SEP 11...	<.08	26	3.6	750	3.4	.14	3	.8	54	1.93	M	E.3	<.5

Date	Silver, water, fltrd, ug/L (01075)	Stront- ium, suspnd sedimnt total, ug/g (35040)	Stront- ium, water, fltrd, ug/L (01080)	Thall- ium, suspnd sedimnt total, ug/g (49955)	Titan- ium, suspnd sedimnt total, ug/g (30317)	Vanad- ium, suspnd sedimnt total, ug/g (29853)	Vanad- ium, water, fltrd, ug/L (01085)	Zinc, suspnd sedimnt total, ug/g (29855)	Zinc, water, fltrd, ug/L (01090)	Uranium suspnd sedimnt total, ug/g (35046)	Uranium natural water, fltrd, ug/L (22703)	Organic carbon, water, fltrd, mg/L (00681)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)
MAR 26...	<.2	280	173	<50	--	130	.7	280	2	<50	1.20	1.8	<.1
MAY 29...	<.2	250	93.6	<50	.420	140	.7	160	2	<50	.63	12.9	.2
JUN 12...	<.2	260	99.9	<50	.410	130	.8	150	M	<50	.61	5.9	.3
JUL 15...	<.2	310	137	<50	.490	140	.9	120	<1	<50	.82	4.8	3.4
JUL 24...	<.2	300	137	<50	.490	140	.6	120	M	<50	.69	5.0	6.2
AUG 21...	<.2	280	136	<50	.450	140	.5	120	M	<50	.67	4.0	4.0
SEP 11...	<.2	280	119	<50	.400	120	.4	110	<1	<50	.67	7.1	.3

Date	Organic carbon, suspnd sedimnt total, mg/L (00689)	Total carbon, suspnd sedimnt total, mg/L (00694)	Total carbon, suspnd sedimnt total, percent (30244)	Organic carbon, suspnd sedimnt percent (50465)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment load, tons/d (80155)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)
MAR 26...	.5	.5	--	--	<.02	6	10	716	--
MAY 29...	2.7	2.9	3.2	2.2	.16	--	158	81900	53
JUN 12...	2.7	3.0	2.4	1.5	.19	356	353	295000	74
JUL 15...	3.6	7.0	2.5	.9	.20	299	326	180000	83
JUL 24...	4.3	10.5	2.5	.8	.23	468	470	288000	90
AUG 21...	2.4	6.5	2.3	1.0	.18	267	310	163000	80
SEP 11...	1.7	1.9	2.3	1.5	.09	114	117	68900	57

15477730 LIESE CREEK NEAR BIG DELTA

LOCATION.--Lat 64°26'53", long 144°52'59", in SW¹/₄ sec.25, T.5 S., R.14 E., (Big Delta B-2 quad), Hydrologic Unit 19040503, on right bank, 1.7 mi upstream from mouth, 1.5 mi east of Teck Cominco Corp, Pogo Mine Camp site, and 34 mi northeast of Big Delta.

DRAINAGE AREA.--1.08 mi².

PERIOD OF RECORD.--October 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2200 ft above sea level, from topographic map.

REMARKS.--Records fair except for discharges below 0.1 cfs and estimated daily discharges which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.47	e0.05	e0.01	e0.01	e0.01	e0.01	e0.01	e1.0	e0.52	0.08	0.92	7.9
2	0.46	e0.05	e0.01	e0.01	e0.01	e0.01	e0.01	e0.40	e0.44	0.09	0.77	9.6
3	0.45	e0.04	e0.01	e0.01	e0.01	e0.01	e0.01	e0.26	e0.38	0.25	0.80	7.4
4	e0.36	e0.04	e0.01	e0.01	e0.01	e0.01	e0.01	e0.16	e0.36	0.20	1.5	5.7
5	e0.30	e0.04	e0.01	e0.01	e0.01	e0.01	e0.01	e0.10	e0.34	0.15	1.6	5.3
6	e0.26	e0.03	e0.01	e0.01	e0.01	e0.01	e0.01	e0.16	e0.48	0.14	1.6	4.7
7	e0.28	e0.03	e0.01	e0.01	e0.01	e0.01	e0.01	e0.20	e0.64	0.15	1.1	4.0
8	e0.29	e0.03	e0.01	e0.01	e0.01	e0.01	e0.01	e0.50	e0.56	0.13	0.90	3.5
9	e0.30	e0.02	e0.01	e0.01	e0.01	e0.01	e0.01	e0.80	e0.44	0.12	0.78	3.0
10	e0.30	e0.02	e0.01	e0.01	e0.01	e0.01	e0.01	e1.4	e0.34	0.12	0.68	2.6
11	e0.29	e0.02	e0.01	e0.01	e0.01	e0.01	e0.01	e1.2	e0.28	0.13	0.59	2.5
12	e0.28	e0.02	e0.01	e0.01	e0.01	e0.01	e0.01	e1.1	e0.22	0.12	0.55	2.8
13	e0.27	e0.01	e0.01	e0.01	e0.01	e0.01	e0.01	e1.1	0.15	0.14	0.54	e2.1
14	e0.26	e0.01	e0.01	e0.01	e0.01	e0.01	e0.02	e0.84	0.11	4.2	0.50	e1.8
15	e0.25	e0.01	e0.01	e0.01	e0.01	e0.01	e0.02	e0.70	0.07	2.3	0.47	e1.6
16	e0.23	e0.01	e0.01	e0.01	e0.01	e0.01	e0.02	e0.52	0.06	4.5	0.44	e1.4
17	e0.20	e0.01	e0.01	e0.01	e0.01	e0.01	e0.02	e0.40	0.05	5.5	0.43	e1.2
18	e0.18	e0.01	e0.01	e0.01	e0.01	e0.01	e0.02	e0.32	0.07	3.3	0.49	e1.1
19	e0.16	e0.01	e0.01	e0.01	e0.01	e0.01	e0.02	e0.30	0.06	2.0	0.48	e1.0
20	e0.15	e0.01	e0.01	e0.01	e0.01	e0.01	e0.02	e0.30	0.05	1.3	0.46	e0.92
21	e0.13	e0.01	e0.01	e0.01	e0.01	e0.01	e0.03	e0.32	0.05	0.90	0.43	e0.88
22	e0.12	e0.01	e0.01	e0.01	e0.01	e0.01	e0.05	e0.36	0.04	0.72	0.42	e0.82
23	e0.11	e0.01	e0.01	e0.01	e0.01	e0.01	e0.08	e0.50	0.04	0.57	0.40	e0.80
24	e0.10	e0.01	e0.01	e0.01	e0.01	e0.01	e0.20	e0.70	0.05	0.48	0.43	e0.78
25	e0.09	e0.01	e0.01	e0.01	e0.01	e0.01	e0.50	e0.66	0.05	0.44	0.45	e0.74
26	e0.08	e0.01	e0.01	e0.01	e0.01	e0.01	e1.2	e0.60	0.06	0.41	0.44	e0.70
27	e0.08	e0.01	e0.01	e0.01	e0.01	e0.01	e3.0	e0.60	0.09	0.45	0.42	e0.70
28	e0.07	e0.01	e0.01	e0.01	e0.01	e0.01	e4.0	e0.56	0.08	1.7	0.39	e0.68
29	e0.06	e0.01	e0.01	e0.01	---	e0.01	e3.0	e0.52	0.08	1.0	0.39	e0.68
30	e0.06	e0.01	e0.01	e0.01	---	e0.01	e1.6	e0.54	0.08	0.74	0.38	e0.68
31	e0.05	---	e0.01	e0.01	---	e0.01	---	e0.58	---	1.1	0.68	---
TOTAL	6.69	0.57	0.31	0.31	0.28	0.31	13.93	17.70	6.24	33.43	20.43	77.58
MEAN	0.22	0.019	0.010	0.010	0.010	0.010	0.46	0.57	0.21	1.08	0.66	2.59
MAX	0.47	0.05	0.01	0.01	0.01	0.01	4.0	1.4	0.64	5.5	1.6	9.6
MIN	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.04	0.08	0.38	0.68
MED	0.23	0.01	0.01	0.01	0.01	0.01	0.02	0.52	0.08	0.45	0.49	1.5
AC-FT	13	1.1	0.6	0.6	0.6	0.6	28	35	12	66	41	154
CFSM	0.20	0.02	0.01	0.01	0.01	0.01	0.43	0.53	0.19	1.00	0.61	2.39
IN.	0.23	0.02	0.01	0.01	0.01	0.01	0.48	0.61	0.21	1.15	0.70	2.67

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2003, BY WATER YEAR (WY)

	2000	2001	2002	2000	2000	2000	2000	2000	2000	2000	2000	2001
MEAN	0.22	0.043	0.009	0.005	0.005	0.005	0.13	1.26	1.11	0.96	1.53	1.40
MAX	0.37	0.083	0.025	0.010	0.010	0.010	0.46	1.62	2.31	1.34	2.31	2.59
(WY)	2001	2001	2002	2002	2002	2002	2003	2000	2000	2001	2002	2003
MIN	0.032	0.000	0.000	0.000	0.000	0.000	0.000	0.57	0.21	0.39	0.66	0.43
(WY)	2000	2000	2000	2000	2000	2000	2000	2003	2003	2000	2003	2001

SUMMARY STATISTICS FOR 2002 CALENDAR YEAR FOR 2003 WATER YEAR WATER YEARS 2000 - 2003

ANNUAL TOTAL	228.63	177.78	
ANNUAL MEAN	0.63	0.49	0.56
HIGHEST ANNUAL MEAN			0.66 2000
LOWEST ANNUAL MEAN			0.45 2001
HIGHEST DAILY MEAN	6.8 Aug 19	9.6 Sep 2	9.6 Sep 2 2003
LOWEST DAILY MEAN	a0.01 Jan 1	b0.01 Nov 13	c0.00 Oct 30 1999
ANNUAL SEVEN-DAY MINIMUM	0.01 Jan 1	0.01 Nov 13	0.00 Oct 30 1999
MAXIMUM PEAK FLOW		11 Sep 2	11 Sep 2 2003
MAXIMUM PEAK STAGE		20.43 Sep 2	20.43 Sep 2 2003
MAXIMUM PEAK STAGE			d22.8 May 18 2000
ANNUAL RUNOFF (AC-FT)	453	353	405
ANNUAL RUNOFF (CFSM)	0.58	0.45	0.52
ANNUAL RUNOFF (INCHES)	7.88	6.12	7.03
10 PERCENT EXCEEDS	2.1	1.1	1.6
50 PERCENT EXCEEDS	0.06	0.06	0.07
90 PERCENT EXCEEDS	0.01	0.01	0.00

a Jan. 1 to Apr. 26

b Nov. 13 to Apr. 13

c Oct. 30, 1999 to May 7, 2000 and Nov. 30, 2000 to Apr. 21, 2001

d Backwater from ice

e Estimated

15477740 GOODPASTER RIVER NEAR BIG DELTA

LOCATION.--Lat 64°27'02", long 144°56'32", in SE¹/₄ sec.27, T.5 S., R.14 E., (Big Delta B-2 quad), Hydrologic Unit 19040503, on left bank, 0.2 mi northwest of Pogo Mine Camp site, 7 mi upstream from Central Creek, and 34 mi northeast of Big Delta.

DRAINAGE AREA.--677 mi².

PERIOD OF RECORD.--August 1997 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1350 ft above sea level, from topographic map. Prior to August 14, 2000, at site 1000 ft upstream at present datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. GOES satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	575	e210	e180	e86	e72	e64	e60	1560	938	453	1160	3710
2	590	e190	e170	e86	e72	e64	e60	820	677	415	1010	8890
3	581	e190	e170	e86	e72	e64	e60	622	536	468	959	5450
4	533	e180	e170	e84	e70	e64	e60	398	530	547	1180	3790
5	507	e180	e170	e84	e70	e64	e60	330	521	479	1250	2970
6	410	e170	e160	e84	e70	e64	e60	317	1090	445	1450	2420
7	463	e160	e160	e82	e70	e64	e60	340	1560	538	1330	2090
8	510	e150	e150	e82	e70	e64	e60	336	922	646	1110	1810
9	461	e140	e150	e80	e70	e64	e60	477	709	604	982	1520
10	431	e120	e140	e80	e70	e62	e60	790	620	501	892	1350
11	368	e110	e140	e78	e70	e62	e60	868	604	457	827	1290
12	447	e100	e130	e78	e70	e62	e62	775	610	442	788	2150
13	421	e90	e130	e78	e70	e62	e64	764	501	430	781	1810
14	396	e90	e120	e76	e70	e62	e66	606	428	1640	735	1370
15	386	e100	e120	e76	e70	e62	e68	507	383	3370	695	1270
16	394	e110	e110	e76	e70	e62	e72	448	362	3630	670	1170
17	379	e120	e110	e76	e68	e62	e76	361	360	3800	647	1130
18	364	e130	e110	e74	e68	e62	e80	334	401	2390	668	930
19	e350	e140	e100	e74	e68	e62	e84	340	410	1590	664	940
20	e330	e150	e100	e74	e66	e62	e90	339	370	1270	663	790
21	e300	e160	e100	e74	e66	e62	e110	337	337	1070	640	841
22	e280	e170	e98	e74	e66	e62	e180	343	315	1260	723	754
23	e280	e170	e96	e72	e66	e62	e300	351	305	1110	716	696
24	e290	e180	e94	e72	e66	e62	e500	433	309	879	736	680
25	e290	e180	e94	e72	e66	e62	e700	477	326	781	788	683
26	e280	e180	e92	e72	e64	e62	e1000	465	355	728	758	639
27	e280	e180	e92	e72	e64	e62	e1500	592	1030	745	707	592
28	e270	e180	e90	e72	e64	e62	e2100	649	791	1490	661	583
29	e260	e180	e90	e72	---	e62	e3000	716	682	1460	627	583
30	e250	e180	e88	e72	---	e62	e2500	795	539	1140	605	649
31	e230	---	e88	e72	---	e62	---	938	---	1130	632	---
TOTAL	11906	4590	3812	2390	1918	1940	13212	17428	17521	35908	26054	53550
MEAN	384	153	123	77.1	68.5	62.6	440	562	584	1158	840	1785
MAX	590	210	180	86	72	64	3000	1560	1560	3800	1450	8890
MIN	230	90	88	72	64	62	60	317	305	415	605	583
AC-FT	23620	9100	7560	4740	3800	3850	26210	34570	34750	71220	51680	106200
CFSM	0.57	0.23	0.18	0.11	0.10	0.09	0.65	0.83	0.86	1.71	1.24	2.64
IN.	0.65	0.25	0.21	0.13	0.11	0.11	0.73	0.96	0.96	1.97	1.43	2.94

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2003, BY WATER YEAR (WY)#

	259	117	84.6	59.6	48.2	43.7	155	895	915	844	1036	816
MEAN	259	117	84.6	59.6	48.2	43.7	155	895	915	844	1036	816
MAX	384	153	123	90.6	82.2	76.4	440	1488	1993	1158	1651	1785
(WY)	2003	2003	2003	2001	2001	2001	2003	2002	2000	2003	2000	2003
MIN	149	90.1	57.5	28.9	13.6	10.5	52.7	562	468	419	590	421
(WY)	2000	1999	1999	1999	1999	1999	2002	2003	1998	1999	1999	1999

SUMMARY STATISTICS FOR 2002 CALENDAR YEAR FOR 2003 WATER YEAR WATER YEARS 1997 - 2003#

ANNUAL TOTAL	205578	190229										
ANNUAL MEAN	563	521	449									
HIGHEST ANNUAL MEAN			595								2000	
LOWEST ANNUAL MEAN			272								1999	
HIGHEST DAILY MEAN	4950	Aug 18	8890	Sep 2	8890	Sep 2	2003					
LOWEST DAILY MEAN	a38	Mar 20	b60	Apr 1	c10	Mar 8	1999					
ANNUAL SEVEN-DAY MINIMUM	38	Mar 20	60	Apr 1	10	Mar 8	1999					
MAXIMUM PEAK FLOW			11300	Sep 2	11300	Sep 2	2003					
MAXIMUM PEAK STAGE			17.97	Sep 2	d17.97	Sep 2	2003					
ANNUAL RUNOFF (AC-FT)	407800	377300	325600									
ANNUAL RUNOFF (CFSM)	0.83	0.77	0.66									
ANNUAL RUNOFF (INCHES)	11.30	10.45	9.02									
10 PERCENT EXCEEDS	1430	1160	1060									
50 PERCENT EXCEEDS	240	290	170									
90 PERCENT EXCEEDS	40	64	38									

See Period of Record; partial years used in monthly statistics
a From Mar. 20 to Apr. 18
b From Apr. 1 to 11
c From Mar. 8 to 24, 1999
d 19.49 ft recorded Aug. 14, 2000 at previous gage location but corresponds to a lower peak flow
e Estimated

15477768 SONORA CREEK ABOVE TRIBUTARY NEAR BIG DELTA

LOCATION.--Lat 64°23'22", long 144°46'40", in SW¹/₄ sec.16, T.6 S., R.15 E. (Big Delta B-2 quad), Hydrologic Unit 19040503, on right bank, 2.5 miles upstream from mouth, 6.3 miles southeast of Pogo Mine Camp site, and 35 miles northeast of Big Delta.

DRAINAGE AREA.--6.05 mi².

PERIOD OF RECORD.--May, 2000 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1650 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e7.3	e3.3	e3.4	e1.7	e1.6	e1.5	e1.5	4.7	2.5	1.9	3.9	17
2	e7.5	e3.1	e3.3	e1.7	e1.6	e1.5	e1.5	4.5	2.3	2.0	3.5	15
3	e7.3	e2.9	e3.2	e1.7	e1.6	e1.5	e1.5	4.2	2.3	2.2	3.6	11
4	e6.9	e2.7	e3.1	e1.7	e1.6	e1.5	e1.5	3.7	2.2	2.2	4.6	8.8
5	e6.3	e2.5	e3.0	e1.6	e1.6	e1.5	e1.5	3.6	2.1	2.1	4.5	8.1
6	e5.6	e2.3	e3.0	e1.6	e1.6	e1.5	e1.5	3.7	3.1	2.0	4.6	7.5
7	e6.7	e2.2	e2.9	e1.6	e1.6	e1.5	e1.5	3.9	3.3	2.0	4.1	7.1
8	e6.4	e2.1	e2.8	e1.6	e1.6	e1.5	e1.6	4.2	2.6	2.0	3.7	6.8
9	e6.0	e2.0	e2.7	e1.6	e1.6	e1.5	e1.5	5.8	2.3	1.9	3.5	6.5
10	e5.5	e1.9	e2.6	e1.6	e1.6	e1.5	e1.6	6.5	2.1	1.9	3.3	6.2
11	e5.1	e1.8	e2.5	e1.6	e1.6	e1.5	e1.6	5.6	2.0	1.9	3.2	6.9
12	e4.7	e1.8	e2.4	e1.6	e1.6	e1.5	e1.6	6.4	1.8	1.9	3.2	8.9
13	e4.8	e1.9	e2.4	e1.6	e1.6	e1.5	e1.7	5.7	1.9	2.0	3.1	8.1
14	e4.9	e2.0	e2.3	e1.6	e1.6	e1.5	e1.7	4.5	2.0	3.8	3.0	7.1
15	e4.9	e2.1	e2.3	e1.6	e1.6	e1.5	e1.8	4.0	1.9	4.2	3.0	6.7
16	e4.8	e2.3	e2.2	e1.6	e1.6	e1.5	e1.8	3.5	1.8	8.2	2.9	6.6
17	e4.6	e2.5	e2.2	e1.6	e1.6	e1.5	e1.9	3.0	1.8	7.6	2.9	6.5
18	e4.4	e2.8	e2.1	e1.6	e1.5	e1.5	e2.0	2.8	1.9	5.1	3.4	5.9
19	e4.2	e3.0	e2.1	e1.6	e1.5	e1.5	2.2	2.6	1.8	3.8	3.3	6.1
20	e4.0	e3.2	e2.0	e1.6	e1.5	e1.5	2.3	2.5	1.8	3.2	3.2	5.8
21	e3.8	e3.4	e2.0	e1.6	e1.5	e1.5	2.7	2.5	1.8	2.9	3.2	6.0
22	e3.5	e3.5	e2.0	e1.6	e1.5	e1.5	3.7	2.6	1.8	2.7	3.3	5.8
23	e3.6	e3.6	e2.0	e1.6	e1.5	e1.5	5.3	3.7	1.8	2.5	3.2	5.7
24	e3.7	e3.7	e1.9	e1.6	e1.5	e1.5	7.9	3.8	1.9	2.4	3.2	5.8
25	e3.8	e3.8	e1.9	e1.6	e1.5	e1.5	11	3.3	1.8	2.4	3.0	5.7
26	e3.8	e3.8	e1.9	e1.6	e1.5	e1.5	15	3.0	2.0	2.4	3.0	5.6
27	e3.7	e3.8	e1.8	e1.6	e1.5	e1.5	17	2.8	2.2	2.6	2.9	5.5
28	e3.7	e3.7	e1.8	e1.6	e1.5	e1.5	15	2.6	2.1	4.4	2.8	5.6
29	e3.6	e3.6	e1.8	e1.6	---	e1.5	9.5	2.5	2.1	3.8	2.8	5.7
30	e3.5	e3.5	e1.8	e1.6	---	e1.5	6.4	2.5	2.0	3.5	2.8	5.7
31	e3.4	---	e1.7	e1.6	---	e1.5	---	2.7	---	4.1	3.5	---
TOTAL	152.0	84.8	73.1	50.0	43.7	46.5	127.3	117.4	63.0	95.6	104.2	219.7
MEAN	4.90	2.83	2.36	1.61	1.56	1.50	4.24	3.79	2.10	3.08	3.36	7.32
MAX	7.5	3.8	3.4	1.7	1.6	1.5	17	6.5	3.3	8.2	4.6	17
MIN	3.4	1.8	1.7	1.6	1.5	1.5	1.5	2.5	1.8	1.9	2.8	5.5
MED	4.7	2.9	2.2	1.6	1.6	1.5	1.8	3.7	2.0	2.4	3.2	6.5
AC-FT	301	168	145	99	87	92	252	233	125	190	207	436
CFSM	0.81	0.47	0.39	0.27	0.26	0.25	0.70	0.63	0.35	0.51	0.56	1.21
IN.	0.93	0.52	0.45	0.31	0.27	0.29	0.78	0.72	0.39	0.59	0.64	1.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2003, BY WATER YEAR (WY)#

	2000	2001	2002	2002	2002	2002	2002	2003	2003	2003	2000	2001	2002	2003
MEAN	4.59	2.80	2.05	1.59	1.47	1.38	2.50	6.94	3.02	3.46	5.99	6.99		
MAX	6.03	3.89	2.63	2.03	1.68	1.50	4.24	10.7	3.95	4.58	7.97	9.42		
(WY)	2001	2001	2001	2001	2001	2003	2003	2002	2000	2001	2002	2000		
MIN	2.84	1.67	1.16	1.12	1.16	1.14	1.23	3.79	2.10	2.58	3.36	3.68		
(WY)	2002	2002	2002	2002	2002	2002	2002	2003	2003	2000	2003	2001		

SUMMARY STATISTICS FOR 2002 CALENDAR YEAR FOR 2003 WATER YEAR WATER YEARS 2000 - 2003#

ANNUAL TOTAL	1462.77	1177.3		
ANNUAL MEAN	4.01	3.23	3.40	
HIGHEST ANNUAL MEAN			3.64	2002
LOWEST ANNUAL MEAN			3.23	2003
HIGHEST DAILY MEAN	32	Aug 19	17	Apr 27
LOWEST DAILY MEAN	a0.94	Apr 20	b1.5	Feb 18
ANNUAL SEVEN-DAY MINIMUM	0.95	Apr 20	1.5	Feb 18
MAXIMUM PEAK FLOW			30	Apr 27
MAXIMUM PEAK STAGE			21.09	Apr 27
INSTANTANEOUS LOW FLOW				c0.58
ANNUAL RUNOFF (AC-FT)	2900	2340	2460	
ANNUAL RUNOFF (CFSM)	0.66	0.53	0.56	
ANNUAL RUNOFF (INCHES)	8.99	7.24	7.64	
10 PERCENT EXCEEDS	7.9	6.0	6.4	
50 PERCENT EXCEEDS	2.5	2.4	2.5	
90 PERCENT EXCEEDS	1.1	1.5	1.2	

See Period of Record; partial years used in monthly statistics

a Apr. 20 and 26

b Feb. 18 through Apr. 9

c Minimum observed outside period of record, result of discharge measurement

d May have been higher, during period of missing record, Aug. 19, 2002

e Estimated

15477770 SONORA CREEK NEAR BIG DELTA

LOCATION.--Lat 64°22'40", long 144°48'41", in SE¹/₄ sec.20, T.6 S., R.15 E. (Big Delta B-2 quad), Hydrologic Unit 19040503, on left bank, 1.2 mi upstream from mouth, 6.5 mi southeast of Pogo Mine Camp site, and 34 mi northeast of Big Delta.

DRAINAGE AREA.--10.5 mi².

PERIOD OF RECORD.--August 1997 to current year.

REVISED RECORDS.--WDR AK-00-1: 1998 (M). WDR AK-01-1: 2000.

GAGE.--Water-stage recorder. Elevation of gage is 1450 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.7	e4.7	e5.1	e2.1	e1.6	e1.5	e1.5	e9.0	3.7	2.3	7.3	47
2	9.1	e4.6	e4.9	e2.1	e1.6	e1.5	e1.5	e8.0	3.4	2.6	6.5	32
3	9.4	e4.4	e4.8	e2.0	e1.6	e1.5	e1.5	e6.5	3.2	2.9	6.6	23
4	9.3	e4.2	e4.6	e2.0	e1.6	e1.5	e1.6	e5.6	3.1	2.9	8.4	18
5	8.8	e4.0	e4.5	e1.9	e1.6	e1.5	e1.6	e5.0	2.9	2.7	8.4	16
6	7.5	e3.7	e4.3	e1.9	e1.6	e1.5	e1.6	e5.2	4.3	2.7	8.2	15
7	9.2	e3.4	e4.2	e1.9	e1.6	e1.5	e1.6	5.7	4.7	2.6	7.2	14
8	8.7	e3.1	e4.0	e1.9	e1.6	e1.5	e1.7	7.1	3.7	2.5	6.5	13
9	8.1	e2.9	e3.9	e1.9	e1.6	e1.5	e1.7	9.6	3.2	2.4	6.2	13
10	e7.7	e2.6	e3.7	e1.8	e1.6	e1.5	e1.7	11	2.9	2.4	5.8	12
11	e7.3	e2.5	e3.6	e1.8	e1.6	e1.5	e1.7	9.8	2.7	2.4	5.7	13
12	e6.7	e2.4	e3.5	e1.8	e1.6	e1.5	e1.7	11	2.6	2.4	5.6	17
13	e6.8	e2.5	e3.3	e1.8	e1.6	e1.5	e1.8	10	2.6	2.6	5.4	16
14	e6.8	e2.7	e3.2	e1.8	e1.6	e1.5	e1.9	7.9	2.6	5.7	5.2	13
15	e6.6	e2.9	e3.1	e1.8	e1.6	e1.5	e2.0	6.8	2.4	7.2	5.1	12
16	e6.5	e3.1	e3.0	e1.7	e1.6	e1.5	e2.0	5.8	2.4	16	4.9	12
17	e6.3	e3.4	e2.9	e1.7	e1.6	e1.5	e2.1	5.0	2.4	15	4.9	12
18	e6.1	e3.8	e2.8	e1.7	e1.6	e1.5	e2.2	4.5	2.5	10	5.7	10
19	e5.8	e4.1	e2.8	e1.7	e1.6	e1.5	e2.4	4.2	2.4	6.8	5.3	11
20	e5.6	e4.5	e2.7	e1.7	e1.6	e1.5	e2.7	4.0	2.3	5.5	5.2	10
21	e5.4	e5.0	e2.6	e1.7	e1.6	e1.5	e4.0	4.0	2.3	4.5	5.3	11
22	e5.2	e5.3	e2.6	e1.7	e1.6	e1.5	e5.5	4.1	2.3	4.1	5.3	9.8
23	e5.1	e5.5	e2.5	e1.7	e1.5	e1.5	e8.0	6.1	2.3	3.8	5.3	9.7
24	e5.2	e5.6	e2.4	e1.7	e1.5	e1.5	e12	6.2	2.4	3.6	5.5	10
25	e5.3	e5.7	e2.4	e1.7	e1.5	e1.5	e17	5.5	2.4	3.6	5.6	9.4
26	e5.3	e5.7	e2.3	e1.7	e1.5	e1.5	e26	4.8	2.8	3.6	5.5	9.1
27	e5.2	e5.6	e2.3	e1.7	e1.5	e1.5	e40	4.3	2.9	4.4	5.2	9.0
28	e5.1	e5.5	e2.2	e1.7	e1.5	e1.5	e33	3.9	2.6	8.1	5.1	9.0
29	e5.0	e5.4	e2.2	e1.6	---	e1.5	e25	3.7	2.6	7.3	5.1	8.9
30	e4.9	e5.2	e2.1	e1.6	---	e1.5	e15	3.7	2.4	6.5	5.1	8.7
31	e4.8	---	e2.1	e1.6	---	e1.5	---	4.0	---	7.7	6.5	---
TOTAL	207.5	124.0	100.6	55.4	44.2	46.5	222.0	192.0	85.0	156.8	183.6	423.6
MEAN	6.69	4.13	3.25	1.79	1.58	1.50	7.40	6.19	2.83	5.06	5.92	14.1
MAX	9.4	5.7	5.1	2.1	1.6	1.5	40	11	4.7	16	8.4	47
MIN	4.8	2.4	2.1	1.6	1.5	1.5	1.5	3.7	2.3	2.3	4.9	8.7
AC-FT	412	246	200	110	88	92	440	381	169	311	364	840
CFSM	0.64	0.39	0.31	0.17	0.15	0.14	0.70	0.59	0.27	0.48	0.56	1.34
IN.	0.74	0.44	0.36	0.20	0.16	0.16	0.79	0.68	0.30	0.56	0.65	1.50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2003, BY WATER YEAR (WY)#

MEAN	4.42	2.55	1.73	1.20	1.06	0.97	2.59	9.57	4.58	4.75	8.01	8.68
MAX	8.88	4.26	3.25	1.79	1.58	1.50	7.40	16.4	7.65	6.83	16.0	18.5
(WY)	2001	2001	2003	2003	2003	2003	2003	2000	2000	2001	2000	2000
MIN	1.63	1.31	0.98	0.71	0.56	0.45	0.91	4.27	1.74	3.11	4.29	2.69
(WY)	2000	2000	1998	1998	1998	1998	1998	1998	1998	1998	1998	1999

SUMMARY STATISTICS FOR 2002 CALENDAR YEAR FOR 2003 WATER YEAR WATER YEARS 1997 - 2003#

ANNUAL TOTAL	1968.6	1841.2		
ANNUAL MEAN	5.39	5.04	4.25	
HIGHEST ANNUAL MEAN			5.91	2000
LOWEST ANNUAL MEAN			2.07	1998
HIGHEST DAILY MEAN		47	e49	May 24 2000
LOWEST DAILY MEAN	a1.3	Apr 13	b1.5	Feb 23
ANNUAL SEVEN-DAY MINIMUM	1.3	Apr 13	1.5	Feb 23
MAXIMUM PEAK FLOW		72	72	Sep 1 2003
MAXIMUM PEAK STAGE		29.64	29.64	Sep 1 2003
MAXIMUM PEAK STAGE			c33.40	May 12 2000
ANNUAL RUNOFF (AC-FT)	3900	3650	3080	
ANNUAL RUNOFF (CFSM)	0.51	0.48	0.40	
ANNUAL RUNOFF (INCHES)	6.97	6.52	5.50	
10 PERCENT EXCEEDS	10	9.8	9.2	
50 PERCENT EXCEEDS	3.3	3.6	2.4	
90 PERCENT EXCEEDS	1.4	1.5	0.70	

See Period of Record; partial years used in monthly statistics
a From Apr. 13 to 27
b From Feb. 23 to Apr. 3
c Backwater from snow and ice
e Estimated

15477790 CENTRAL CREEK NEAR BIG DELTA

LOCATION.--Lat 64°22'37", long 144°56'35", in SE¹/₄ sec. 22, T. 6 S., R. 14 E. (Big Delta B-2 quad), Hydrologic Unit 19040503, on right bank, 0.5 mi upstream from mouth, 5 mi south of Pogo Mine Camp site, and 31 mi northeast of Big Delta.

DRAINAGE AREA.--115 mi².

PERIOD OF RECORD.--August 1997 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1250 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	98	e35	e29	e9.4	e5.4	e4.2	e4.0	150	76	34	111	997
2	105	e33	e28	e9.2	e5.2	e4.2	e4.0	124	63	30	94	969
3	108	e33	e27	e9.0	e5.2	e4.2	e4.0	101	56	36	85	632
4	98	e33	e26	e8.8	e5.2	e4.2	e4.0	80	54	40	128	414
5	85	e32	e25	e8.6	e5.2	e4.2	e4.0	66	49	37	131	292
6	67	e31	e24	e8.4	e5.0	e4.2	e4.0	63	70	32	143	231
7	81	e28	e23	e8.2	e5.0	e4.2	e4.0	77	109	29	119	193
8	85	e25	e22	e8.0	e5.0	e4.2	e4.0	88	78	28	95	169
9	74	e20	e22	e7.8	e5.0	e4.2	e4.0	133	59	26	80	151
10	70	e15	e21	e7.6	e4.8	e4.2	e4.0	214	48	24	70	138
11	59	e11	e20	e7.4	e4.8	e4.2	e4.0	181	40	23	63	146
12	e58	e11	e20	e7.2	e4.8	e4.2	e4.2	164	36	22	59	418
13	e60	e12	e19	e7.2	e4.8	e4.2	e4.2	157	32	22	58	282
14	e60	e13	e18	e7.0	e4.8	e4.2	e4.2	121	28	120	53	197
15	e59	e15	e17	e7.0	e4.6	e4.0	e4.2	101	24	175	48	162
16	e57	e17	e16	e6.8	e4.6	e4.0	e4.4	87	22	595	45	145
17	e55	e19	e15	e6.6	e4.6	e4.0	e4.4	66	21	583	42	134
18	e52	e21	e15	e6.6	e4.6	e4.0	e4.6	58	21	280	46	110
19	e50	e24	e14	e6.4	e4.6	e4.0	e5.0	56	21	141	47	111
20	e46	e27	e14	e6.4	e4.6	e4.0	e6.0	54	21	96	46	93
21	e42	e29	e13	e6.2	e4.4	e4.0	e7.0	55	20	71	46	107
22	e38	e30	e13	e6.2	e4.4	e4.0	e11	56	19	59	79	93
23	e41	e30	e12	e6.0	e4.4	e4.0	e20	72	19	51	79	88
24	e42	e31	e12	e6.0	e4.4	e4.0	36	101	20	44	76	84
25	e43	e31	e12	e5.8	e4.4	e4.0	91	96	26	38	73	89
26	e42	e31	e11	e5.8	e4.4	e4.0	158	88	27	35	67	83
27	e41	e31	e11	e5.6	e4.4	e4.0	402	86	70	37	64	77
28	e40	e30	e11	e5.6	e4.2	e4.0	593	80	53	84	60	76
29	e39	e30	e10	e5.6	---	e4.0	423	76	50	106	56	77
30	e38	e30	e10	e5.4	---	e4.0	227	77	43	90	54	78
31	e36	---	e9.6	e5.4	---	e4.0	---	84	---	102	61	---
TOTAL	1869	758	539.6	217.2	132.8	126.8	2053.2	3012	1275	3090	2278	6836
MEAN	60.3	25.3	17.4	7.01	4.74	4.09	68.4	97.2	42.5	99.7	73.5	228
MAX	108	35	29	9.4	5.4	4.2	593	214	109	595	143	997
MIN	36	11	9.6	5.4	4.2	4.0	4.0	54	19	22	42	76
AC-FT	3710	1500	1070	431	263	252	4070	5970	2530	6130	4520	13560
CFSM	0.52	0.22	0.15	0.06	0.04	0.04	0.60	0.84	0.37	0.87	0.64	1.98
IN.	0.60	0.25	0.17	0.07	0.04	0.04	0.66	0.97	0.41	1.00	0.74	2.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2003, BY WATER YEAR (WY)#

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
MEAN	32.5	14.0	6.73	3.44	2.44	2.02	18.8	152	88.6	85.5	121	101
MAX	60.3	30.9	17.4	11.3	8.74	7.10	68.4	266	170	128	237	228
(WY)	2003	2001	2003	2001	2001	2001	2003	2002	2000	2001	2000	2003
MIN	13.8	4.71	0.75	0.026	0.000	0.000	3.83	81.6	26.3	47.8	70.1	37.2
(WY)	2000	1999	1999	1999	1999	1999	2002	1998	1998	1999	1998	1999

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1997 - 2003#

ANNUAL TOTAL	29190.60	22187.6										
ANNUAL MEAN	80.0	60.8										
HIGHEST ANNUAL MEAN									53.7			
LOWEST ANNUAL MEAN									75.7			2002
HIGHEST DAILY MEAN									26.8			1998
LOWEST DAILY MEAN												
ANNUAL SEVEN-DAY MINIMUM												
MAXIMUM PEAK FLOW									d1720			Sep 1 2003
MAXIMUM PEAK STAGE									45.73			Sep 1 2003
ANNUAL RUNOFF (AC-FT)	57900	44010							38940			
ANNUAL RUNOFF (CFSM)	0.70	0.53							0.47			
ANNUAL RUNOFF (INCHES)	9.44	7.18							6.35			
10 PERCENT EXCEEDS	181	126							131			
50 PERCENT EXCEEDS	32	30							21			
90 PERCENT EXCEEDS	0.10	4.2							0.10			

See Period of Record; partial years used in monthly statistics

a From Mar. 6 to Apr. 25

b From Mar. 15 to Apr. 11

c From Jan. 8 to Apr.17, 1999 and Feb. 18 to Apr. 17, 2000

d From rating extended above 395 ft³/s

e Estimated

15478040 PHELAN CREEK NEAR PAXSON—Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	e20	e11	e5.7	e3.1	e2.5	e2.4	e2.3	e6.0	159	289	88
2	37	e19	e11	e5.5	e3.1	e2.5	e2.4	e2.3	e8.0	213	265	79
3	e35	e19	e11	e5.4	e3.0	e2.5	e2.4	e2.3	e11	262	220	101
4	e33	e19	e11	e5.2	e3.0	e2.5	e2.4	e2.3	e15	218	230	88
5	e31	e19	e11	e5.1	e3.0	e2.5	e2.4	e2.3	e22	186	224	72
6	e30	e18	e10	e5.0	e2.9	e2.5	e2.4	e2.3	e30	170	244	65
7	e29	e18	e10	e4.9	e2.9	e2.5	e2.4	e2.3	e45	207	282	57
8	e26	e18	e10	e4.7	e2.9	e2.5	e2.4	e2.3	e65	223	326	55
9	e25	e17	e9.9	e4.7	e2.9	e2.5	e2.4	e2.3	e100	237	294	50
10	e24	e17	e9.7	e4.5	e2.8	e2.5	e2.4	e2.3	142	233	330	45
11	e25	e16	e9.5	e4.4	e2.8	e2.5	e2.3	e2.3	200	250	327	46
12	e24	e16	e9.4	e4.4	e2.8	e2.5	e2.3	e2.3	237	282	756	46
13	e24	e15	e9.2	e4.3	e2.7	e2.5	e2.3	e2.3	181	314	744	e40
14	e23	e15	e9.1	e4.2	e2.7	e2.5	e2.3	e2.3	119	311	588	e34
15	e23	e15	e8.9	e4.1	e2.7	e2.5	e2.3	e2.3	97	271	420	e29
16	e23	e14	e8.7	e4.0	e2.7	e2.5	e2.3	e2.4	104	e400	333	e25
17	e22	e14	e8.6	e4.0	e2.7	e2.5	e2.3	e2.4	128	e340	267	e21
18	e22	e14	e8.4	e3.9	e2.6	e2.5	e2.3	e2.4	134	e360	204	e18
19	e22	e14	e8.2	e3.9	e2.6	e2.5	e2.3	e2.5	147	e400	148	e15
20	e22	e13	e8.1	e3.8	e2.6	e2.5	e2.3	e2.5	142	e460	111	e12
21	e21	e13	e7.9	e3.7	e2.6	e2.5	e2.3	e2.6	125	530	120	e9.0
22	e21	e13	e7.7	e3.6	e2.6	e2.5	e2.3	e2.7	129	456	107	e8.5
23	e21	e13	e7.6	e3.6	e2.6	e2.4	e2.3	e2.8	133	493	80	e8.0
24	e21	e12	e7.4	e3.5	e2.6	e2.4	e2.3	e2.9	134	522	102	e8.0
25	e21	e12	e7.1	e3.4	e2.5	e2.4	e2.3	e3.0	117	493	105	e8.5
26	e20	e12	e7.0	e3.3	e2.5	e2.4	e2.3	e3.2	107	525	175	e12
27	e20	e12	e6.7	e3.3	e2.5	e2.4	e2.3	e3.4	108	596	144	e15
28	e20	e12	e6.5	e3.3	e2.5	e2.4	e2.3	e3.6	130	690	127	24
29	e20	e12	e6.3	e3.2	---	e2.4	e2.3	e3.9	143	747	106	82
30	e20	e11	e6.1	e3.2	---	e2.4	e2.3	e4.2	153	409	102	148
31	e20	---	e5.9	e3.1	---	e2.4	---	e4.8	---	359	98	---
TOTAL	766	452	268.9	128.9	76.9	76.6	70.0	83.8	3212.0	11316	7868	1309.0
MEAN	24.7	15.1	8.67	4.16	2.75	2.47	2.33	2.70	107	365	254	43.6
MAX	41	20	11	5.7	3.1	2.5	2.4	4.8	237	747	756	148
MIN	20	11	5.9	3.1	2.5	2.4	2.3	2.3	6.0	159	80	8.0
AC-FT	1520	897	533	256	153	152	139	166	6370	22450	15610	2600
CFSM	2.03	1.23	0.71	0.34	0.23	0.20	0.19	0.22	8.78	29.9	20.8	3.58
IN.	2.34	1.38	0.82	0.39	0.23	0.23	0.21	0.26	9.79	34.50	23.99	3.99

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2003, BY WATER YEAR (WY)#

MEAN	11.6	6.10	4.26	3.26	2.71	2.39	2.27	16.8	142	307	249	62.1
MAX	24.7	15.1	8.67	5.32	4.50	4.00	4.00	48.2	247	460	411	129
(WY)	2003	2003	2003	1996	1972	1971	1971	1995	1969	1976	1972	1995
MIN	5.55	2.50	2.00	1.48	1.00	1.00	1.00	2.39	72.9	181	73.6	14.3
(WY)	1999	1978	1978	1967	1967	1967	1967	1992	1975	1991	1992	1992

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1967 - 2003#

ANNUAL TOTAL	27003.2	25628.1	
ANNUAL MEAN	74.0	70.2	68.1
HIGHEST ANNUAL MEAN			91.6
LOWEST ANNUAL MEAN			43.0
HIGHEST DAILY MEAN	432	Jul 17	1330
LOWEST DAILY MEAN	a2.9	Mar 1	c1.0
ANNUAL SEVEN-DAY MINIMUM	2.9	Mar 1	1.0
MAXIMUM PEAK FLOW		1550	2320
MAXIMUM PEAK STAGE		9.88	11.51
MAXIMUM PEAK STAGE			df14.70
ANNUAL RUNOFF (AC-FT)	53560	50830	49360
ANNUAL RUNOFF (CFSM)	6.06	5.76	5.58
ANNUAL RUNOFF (INCHES)	82.34	78.14	75.88
10 PERCENT EXCEEDS	245	240	249
50 PERCENT EXCEEDS	15	10	6.0
90 PERCENT EXCEEDS	2.9	2.4	2.0

See Period of Record

a From Mar. 1 to Apr. 30

b From Apr. 11 to May 15

c For many days in the winter and spring during water years 1967, 1969, 1978, and 1991

d Backwater from snow and ice

e Estimated

f Occurred in early Jun. as a result of flow over ice

15484000 SALCHA RIVER NEAR SALCHAKET

LOCATION.--Lat 64°28'22", long 146°55'26", in NE¹/₄ sec. 22, T. 5 S., R. 4 E. (Big Delta B-6 quad), Fairbanks North Star Borough, Hydrologic Unit 19040505, on right bank 0.2 mi upstream from bridge on Richardson Highway, 0.5 mi east of Sno-Shu Inn, 2 mi upstream from mouth, and 6 mi southeast of Salchaket.

DRAINAGE AREA.--2,170 mi², approximately.

PERIOD OF RECORD.--July 1909 to August 1910, published as "at mouth" (no winter records), October 1948 to current year.

GAGE.--Water-stage recorder. Datum of gage is 631.85 ft above sea level. Prior to August 10, 1910, nonrecording gage at site 1.5 mi downstream at different datum. October 1, 1948, to April 24, 1953, nonrecording gage, and April 25, 1953 to October 16, 1967, water-stage recorder at site 800 ft downstream at same datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. GOES satellite telemetry at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10,000 ft³/s and maximum (*).

Date	Time	Discharge (ft ³ /s)	Gage Height	Date	Time	Discharge (ft ³ /s)	Gage Height
July 18	1330	11,600	11.91	Sept 3	2000	* 23,100	*15.35
July 29	1500	17,300	13.78				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2200	e1200	e890	e450	e400	e325	e280	4220	2310	1170	6120	3230
2	2210	e1100	e870	e450	e400	e320	e280	3030	2360	1100	5510	10000
3	2350	e1100	e840	e450	e400	e320	e280	2460	1960	1070	4810	19700
4	2320	e1100	e820	e440	e400	e320	e280	2050	1700	1070	5050	17200
5	2200	e1100	e810	e440	e400	e320	e280	1680	1660	1130	6210	11100
6	2000	e1000	e800	e440	e400	e315	e280	1490	1610	1110	5550	9330
7	1880	e900	e780	e430	e400	e315	e280	1440	3320	1070	5170	8050
8	1990	e700	e750	e430	e400	e310	e280	1440	4770	1070	4520	6950
9	2210	e600	e730	e430	e400	e310	e280	1440	3060	1090	3960	6160
10	2080	e500	e700	e430	e400	e305	e285	1700	2280	1150	3540	5530
11	1890	e440	e680	e420	e400	e305	e290	2700	1900	1110	3230	5110
12	1800	e400	e650	e420	e400	e300	e295	3100	1710	1070	3000	6250
13	1840	e400	e610	e410	e400	e300	e300	3390	1590	1100	2860	7870
14	1860	e400	e600	e410	e400	e300	e310	3730	1420	1200	3090	6440
15	1760	e420	e590	e400	e400	e300	e325	3000	1280	3360	3020	5280
16	1750	e480	e560	e400	e390	e300	e350	2490	1190	7140	2800	4630
17	1720	e540	e550	e400	e390	e295	e360	2160	1120	8410	2720	4310
18	e1500	e580	e520	e400	e390	e295	e380	1780	1100	10800	2810	3910
19	e1200	e660	e500	e400	e380	e290	e390	1610	1190	7540	2690	3540
20	e1000	e700	e500	e400	e370	e290	e400	1550	1250	5010	2610	3370
21	e900	e750	e500	e400	e370	e290	e450	1560	1150	3730	2550	3160
22	e1000	e800	e490	e400	e360	e290	e500	1560	1070	2980	2540	3060
23	e1200	e850	e490	e400	e350	e290	e600	1580	1020	3360	2730	2860
24	e1300	e890	e490	e400	e340	e290	e700	1570	990	2920	2890	2680
25	e1300	e900	e480	e400	e330	e285	e800	1590	962	2450	4090	2600
26	e1300	e910	e480	e400	e330	e285	e1000	1600	954	2180	5200	2580
27	e1300	e910	e470	e400	e330	e285	e1500	1610	996	2190	4400	2440
28	e1200	e900	e470	e400	e325	e285	e3000	1970	1110	6900	3780	2330
29	e1200	e900	e460	e400	---	e280	e5700	2130	1320	15600	3360	2270
30	e1200	e890	e460	e400	---	e280	6360	2430	1280	9400	3060	2260
31	e1200	---	e460	e400	---	e280	---	2430	---	6540	2920	---
TOTAL	50860	23020	19000	12850	10655	9275	26815	66490	49632	116020	116790	174200
MEAN	1641	767	613	415	381	299	894	2145	1654	3743	3767	5807
MAX	2350	1200	890	450	400	325	6360	4220	4770	15600	6210	19700
MIN	900	400	460	400	325	280	280	1440	954	1070	2540	2260
AC-FT	100900	45660	37690	25490	21130	18400	53190	131900	98450	230100	231700	345500
CFSM	0.76	0.35	0.28	0.19	0.18	0.14	0.41	0.99	0.76	1.72	1.74	2.68
IN.	0.87	0.39	0.33	0.22	0.18	0.16	0.46	1.14	0.85	1.99	2.00	2.99

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2003, BY WATER YEAR (WY)#

MEAN	1092	508	358	261	212	191	408	4237	3763	2675	3088	2514
MAX	1969	1028	730	471	449	377	1373	8666	8640	7330	13350	6186
(WY)	1994	1994	1994	1992	1994	1992	1993	1962	1964	1949	1967	1952
MIN	484	230	160	130	62.0	60.0	104	1564	963	568	717	636
(WY)	1959	1954	1954	1954	1953	1953	1974	1964	1969	1958	1966	1966

See Period of Record
e Estimated

15484000 SALCHA RIVER NEAR SALCHAKET—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1949 - 2003#	
ANNUAL TOTAL	770180		675607			
ANNUAL MEAN	2110		1851		1617	
HIGHEST ANNUAL MEAN					2957 1967	
LOWEST ANNUAL MEAN					796 1999	
HIGHEST DAILY MEAN	23900	Aug 19	19700	Sep 3	94100	Aug 14 1967
LOWEST DAILY MEAN	a140	Mar 17	b280	Mar 29	c60	Mar 1 1953
ANNUAL SEVEN-DAY MINIMUM	140	Mar 17	280	Mar 29	60	Mar 1 1953
MAXIMUM PEAK FLOW			23100	Sep 3	97000	Aug 14 1967
MAXIMUM PEAK STAGE			15.35	Sep 3	21.78	Aug 14 1967
INSTANTANEOUS LOW FLOW					60	Mar 1 1953
ANNUAL RUNOFF (AC-FT)	1528000		1340000		1172000	
ANNUAL RUNOFF (CFSM)	0.97		0.85		0.75	
ANNUAL RUNOFF (INCHES)	13.20		11.58		10.13	
10 PERCENT EXCEEDS	5420		4450		3950	
50 PERCENT EXCEEDS	1110		1070		650	
90 PERCENT EXCEEDS	140		310		170	

See Period of Record

a From Mar. 17 to Apr. 22

b From Mar. 29 to Apr. 9

c) Monthly mean published for Mar. 1953

15485500 TANANA RIVER AT FAIRBANKS

LOCATION.--Lat 64°47'34", long 147°50'20", in NE¹/₄ SW¹/₄ SW¹/₄ sec. 25, T. 1 S., R. 2 W. (Fairbanks D-2 quad), Fairbanks North Star Borough, Hydrologic Unit 19040507, on right bank at the end of Groin No. 1 on Corps of Engineers flood-protection levee, 1.0 mi south of Fairbanks International Airport, and 1.0 mi upstream from Chena River.

DRAINAGE AREA.--Undefined. Part of river flows through Salchaket Slough and is ungaged.

PERIOD OF RECORD.--June 1973 to current year.

GAGE.--Water-stage recorder. Datum of gage is 400 ft above sea level. Prior to September 14, 1973, nonrecording gage, and September 14, 1973 to June 14, 1985, water-stage recorder, at site 2.8 mi upstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. GOES satellite telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of August 16, 1967 reached a stage of 34.4 ft, from floodmarks at site then in use; discharge, about 125,000 ft³/s, contained in reports of the Corps of Engineers.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26000	17600	e11500	e6000	e6000	e6300	e6100	e34000	20500	32100	57700	31800
2	25900	17000	e11500	e6000	e6000	e6300	e6100	e32000	21400	33100	51000	34200
3	25600	16600	e11000	e6000	e6000	e6300	e6100	e28000	21800	36000	44800	42200
4	24900	16600	e10500	e6000	e6000	e6300	e6100	e26000	21200	40000	41400	48800
5	24000	17000	e10000	e6000	e6200	e6300	e6100	e25000	21100	40500	40500	45600
6	23100	17300	e9400	e6000	e6200	e6300	e6100	e25000	21700	40700	39400	39400
7	22700	17400	e8600	e6000	e6400	e6300	e6100	e22000	22300	42100	37900	35500
8	22500	e17000	e8200	e6000	e6400	e6300	e6100	19300	25400	44200	36600	32500
9	22500	e16000	e7600	e6000	e6400	e6300	e6100	18000	25500	45700	36100	30000
10	22200	e14000	e7400	e6000	e6400	e6300	e6100	18200	24400	47700	35700	28600
11	21600	e12000	e7200	e6000	e6600	e6200	e6100	18800	24300	49100	35400	27900
12	21000	e11000	e7000	e6000	e6600	e6200	e6100	19500	25300	50500	37100	27400
13	20700	e10500	e6800	e6000	e6600	e6200	e6200	19400	26900	53100	40900	28200
14	20600	e10000	e6800	e6000	e6600	e6200	e6200	19600	28000	55900	48700	27900
15	20300	e9800	e6800	e6000	e6400	e6200	e6300	19600	27800	59200	53800	26300
16	20200	e9600	e7000	e6000	e6400	e6200	e6300	18800	27300	64700	52900	24800
17	20000	e9600	e7000	e6000	e6300	e6200	e6400	17900	27200	72100	50400	23700
18	e19500	e9800	e6800	e6000	e6300	e6200	e6600	17000	27800	80500	47900	23100
19	e19000	e9800	e6600	e6000	e6300	e6200	e6900	16700	28500	79300	43400	22200
20	e18800	e10000	e6600	e6000	e6300	e6200	e7200	16600	29400	71500	38900	21400
21	e18500	e10000	e6400	e6000	e6300	e6200	e7800	16600	29500	66600	36100	20800
22	e19100	e10000	e6400	e6000	e6300	e6100	e8600	16800	28900	65700	34200	20400
23	19800	e10500	e6400	e6000	e6300	e6100	e9600	17000	28900	65300	33300	19900
24	19200	e10500	e6200	e6000	e6300	e6100	e10500	16800	30400	63600	32300	19500
25	18900	e10500	e6200	e6000	e6300	e6100	e11500	16600	31700	62500	30700	19200
26	18800	e11000	e6200	e6000	e6300	e6100	e13500	16800	31600	62900	31100	19000
27	18500	e11000	e6000	e6000	e6300	e6100	e16000	17100	31200	62900	31100	18700
28	18400	e11000	e6000	e6000	e6300	e6100	e19000	17500	30500	64000	31300	18400
29	18000	e11000	e6000	e6000	---	e6100	e25000	18100	30700	76300	30900	18200
30	17900	e11500	e6000	e6000	---	e6100	e32000	18600	31300	74500	30200	18500
31	17900	---	e6000	e6000	---	e6100	---	19600	---	64700	30100	---
TOTAL	646100	375600	232100	186000	176800	192200	278800	622900	802500	1767000	1221800	814100
MEAN	20840	12520	7487	6000	6314	6200	9293	20090	26750	57000	39410	27140
MAX	26000	17600	11500	6000	6600	6300	32000	34000	31700	80500	57700	48800
MIN	17900	9600	6000	6000	6000	6100	6100	16600	20500	32100	30100	18200
AC-FT1282000	745000	460400	368900	350700	381200	553000	1236000	1592000	3505000	2423000	1615000	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2003, BY WATER YEAR (WY)#

MEAN	13780	7867	6210	5624	5443	5389	7451	22500	36050	52810	48860	27440
MAX	20840	12520	8090	7135	6700	6761	12700	36290	51350	66090	70080	44880
(WY)	2003	2003	1986	1986	1991	1993	1995	1991	1992	1992	1997	1990
MIN	8669	5000	4500	4016	3207	3100	4230	14810	25120	39550	34680	16950
(WY)	1997	1977	1977	1974	1974	1974	1974	1998	1978	1996	1996	1976

SUMMARY STATISTICS FOR 2002 CALENDAR YEAR FOR 2003 WATER YEAR WATER YEARS 1973 - 2003#

ANNUAL TOTAL	8640600	7315900										
ANNUAL MEAN	23670	20040								20130		
HIGHEST ANNUAL MEAN										22970		2002
LOWEST ANNUAL MEAN										16080		1996
HIGHEST DAILY MEAN	70500	Aug 20	80500	Jul 18	92400	Jul 22	1986					
LOWEST DAILY MEAN	a6000	Dec 27	b6000	Dec 27	c3100	Feb 14	1974					
ANNUAL SEVEN-DAY MINIMUM	6060	Dec 25	6000	Dec 27	3100	Feb 14	1974					
MAXIMUM PEAK FLOW			83000	Jul 18	96400	Jul 22	1986					
MAXIMUM PEAK STAGE			25.42	Jul 18	26.25	Aug 14	1997					
ANNUAL RUNOFF (AC-FT)	17140000	14510000	14580000									
10 PERCENT EXCEEDS	55400	42100	50100									
50 PERCENT EXCEEDS	17000	17000	10000									
90 PERCENT EXCEEDS	6200	6000	5000									

See Period of Record, partial years used in monthly statistics
a From Dec. 27 to Dec. 31
b From Dec. 27 to Feb. 4
c From Feb. 14 to Mar. 31, 1974
e Estimated

15493000 CHENA RIVER NEAR TWO RIVERS

LOCATION.--Lat 64°54'10", long 146°21'25", in NE¹/₄ sec. 20, T. 1 N., R. 7 E. (Big Delta D-5 quad), Fairbanks North Star Borough, Hydrologic Unit 19040506, on left bank about 200 ft upstream from bridge at mi 39.5 on the Chena Hot Springs Highway, 15 mi upstream from South Fork Chena River, 22 mi east of Two Rivers, and 41 mi east of Fairbanks.

DRAINAGE AREA.--937 mi².

PERIOD OF RECORD.--October 1967 to current year.

GAGE.--Water-stage recorder. Datum of gage is 719.7 ft above sea level from datum used by Alaska Department of Transportation and Public Facilities. Prior to April 25, 1994, water stage recorder at site 2.5 mi downstream at datum of 700 ft.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Corps of Engineers meteor-burst and GOES satellite telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of August 13, 1967 reached a stage of 26.6 ft at site and datum of gage in use prior to April 25, 1994, from floodmarks, discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1150	615	e390	e190	e160	e150	e140	1890	913	367	4880	2420
2	1160	577	e390	e190	e160	e150	e140	e1400	967	363	3680	7400
3	1220	560	e380	e190	e160	e150	e140	e1100	841	374	3250	7260
4	1190	615	e360	e190	e160	e150	e140	985	794	391	3710	5300
5	1100	631	e340	e190	e170	e150	e140	860	723	391	3450	4400
6	913	568	e310	e180	e170	e150	e140	796	883	371	3090	3960
7	974	530	e280	e180	e170	e150	e130	817	2890	428	2750	3410
8	1120	e420	e260	e180	e170	e150	e130	760	1860	467	2420	3060
9	1100	e330	e240	e180	e170	e150	e130	965	1270	427	2170	2770
10	1030	e280	e230	e180	e170	e150	e130	1510	996	397	1980	2540
11	902	e270	e230	e170	e170	e150	e130	1830	842	393	1840	2550
12	964	e280	e230	e170	e170	e150	e140	1820	759	385	1740	4040
13	926	e300	e230	e170	e170	e150	e150	2250	664	388	1660	3660
14	858	e320	e220	e170	e170	e150	e160	2000	582	459	1580	2970
15	846	e350	e220	e170	e160	e140	e170	1590	527	1970	1490	2550
16	803	e380	e220	e170	e160	e140	e180	1300	487	4080	1410	2350
17	775	e400	e220	e170	e160	e140	e200	1000	462	3980	1390	2160
18	706	e430	e210	e170	e150	e140	e230	873	443	3980	1450	1960
19	690	e450	e210	e170	e150	e140	e280	800	426	2390	1370	1860
20	648	e460	e210	e170	e150	e140	e350	805	410	1730	1300	1740
21	685	e460	e210	e170	e150	e140	e450	808	392	1380	1270	1690
22	666	e450	e200	e170	e150	e140	e550	803	374	1170	1250	1590
23	665	e440	e200	e170	e150	e140	e750	747	360	1040	1230	1470
24	677	e430	e200	e160	e150	e140	e1000	790	356	940	1830	1410
25	670	e420	e200	e160	e150	e140	e2500	818	375	865	3800	1400
26	691	e420	e200	e160	e150	e140	e4500	782	403	885	3110	1350
27	691	e410	e200	e160	e150	e140	e4200	849	391	4430	2470	1280
28	678	e410	e200	e160	e150	e140	e4000	915	388	14200	2120	1220
29	658	e400	e200	e160	---	e140	3490	978	394	7690	1890	1210
30	656	e400	e200	e160	---	e140	2570	986	387	4470	1750	1200
31	631	---	e200	e160	---	e140	---	888	---	5540	1660	---
TOTAL	26443	13006	7590	5340	4470	4480	27360	34715	21559	66341	68990	82180
MEAN	853	434	245	172	160	145	912	1120	719	2140	2225	2739
MAX	1220	631	390	190	170	150	4500	2250	2890	14200	4880	7400
MIN	631	270	200	160	150	140	130	747	356	363	1230	1200
AC-FT	52450	25800	15050	10590	8870	8890	54270	68860	42760	131600	136800	163000
CFSM	0.91	0.46	0.26	0.18	0.17	0.15	0.97	1.20	0.77	2.28	2.38	2.92
IN.	1.05	0.52	0.30	0.21	0.18	0.18	1.09	1.38	0.86	2.63	2.74	3.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2003, BY WATER YEAR (WY)#

MEAN	575	276	188	133	108	95.3	241	1857	1341	1080	1336	1189
MAX	1656	617	369	242	246	171	912	4210	4038	2505	3207	2739
(WY)	1987	1987	1994	1994	1994	1991	2003	1971	1992	1984	1969	2003
MIN	260	120	85.5	38.1	20.2	21.9	68.3	625	323	380	437	455
(WY)	1969	1969	1977	1970	1970	1970	1982	1998	1969	1976	1976	1976

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1968 - 2003#	
ANNUAL TOTAL	373464		362474			
ANNUAL MEAN	1023		993		706	
HIGHEST ANNUAL MEAN					1080	
LOWEST ANNUAL MEAN					398	
HIGHEST DAILY MEAN	9600	Aug 18	14200	Jul 28	17700	Jun 3 1992
LOWEST DAILY MEAN	a94	Mar 24	b130	Apr 7	c20	Feb 6 1970
ANNUAL SEVEN-DAY MINIMUM	94	Mar 24	133	Apr 5	20	Feb 6 1970
MAXIMUM PEAK FLOW			16000	Jul 28	20000	Jun 3 1992
MAXIMUM PEAK STAGE			23.56	Jul 28	d22.04	Jun 3 1992
ANNUAL RUNOFF (AC-FT)	740800		719000		511200	
ANNUAL RUNOFF (CFSM)	1.09		1.06		0.75	
ANNUAL RUNOFF (INCHES)	14.83		14.39		10.23	
10 PERCENT EXCEEDS	2450		2540		1660	
50 PERCENT EXCEEDS	631		430		330	
90 PERCENT EXCEEDS	96		150		86	

a From Mar. 24 to Apr. 17
b From Apr. 7 to Apr. 11
c From Feb. 6 to Mar. 12, 1970
d At site and datum then in use
e Estimated

15511000 LITTLE CHENA RIVER NEAR FAIRBANKS

LOCATION.--Lat 64°53'10", long 147°14'50", in SW¹/₄ NE¹/₄ sec. 25, T. 1 N., R. 2 E. (Fairbanks D-1 quad), Fairbanks North Star Borough, Hydrologic Unit 19040506, on downstream side of left bridge abutment at mi 11.9 Chena Hot Springs Highway, 22.5 mi upstream from mouth, and 14 mi northeast of Fairbanks.

DRAINAGE AREA.--372 mi².

PERIOD OF RECORD.--August 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 458.79 ft above sea level.

REMARKS.--Records good except for estimated daily discharges, which are poor. Corps of Engineers meteor-burst and NOAA telephone telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	367	e190	e160	e85	e65	e60	e55	e520	155	90	1680	578
2	355	e200	e160	e85	e70	e60	e55	e420	170	89	1260	1130
3	348	e210	e155	e85	e70	e60	e55	e340	165	95	1060	1500
4	334	e220	e150	e85	e70	e60	e55	e300	156	103	1090	1370
5	312	e220	e140	e85	e70	e60	e55	e270	149	106	1050	1200
6	284	e220	e135	e80	e70	e60	e55	e240	153	100	953	1110
7	291	e210	e130	e80	e70	e60	e55	e220	349	102	858	1000
8	315	e190	e125	e80	e70	e60	e55	203	372	128	764	925
9	314	e180	e120	e80	e70	e60	e55	214	279	124	691	852
10	292	e150	e115	e80	e70	e60	e55	221	233	116	638	795
11	263	e125	e115	e80	e70	e60	e55	234	206	119	592	783
12	279	e110	e110	e80	e70	e60	e60	248	e180	120	562	1050
13	267	e105	e110	e80	e70	e60	e60	291	e160	120	541	1020
14	256	e100	e110	e75	e70	e60	e65	297	142	132	518	875
15	245	e100	e105	e75	e65	e60	e70	270	131	228	488	785
16	e235	e105	e105	e75	e65	e60	e75	243	122	749	459	734
17	e220	e110	e105	e75	e60	e60	e80	211	117	690	436	696
18	e210	e120	e100	e75	e60	e55	e90	199	113	586	421	650
19	e200	e130	e100	e75	e60	e55	e100	185	110	451	402	616
20	e205	e140	e100	e75	e60	e55	e110	178	106	354	385	596
21	e220	e140	e100	e75	e60	e55	e120	172	102	291	368	575
22	e230	e150	e100	e75	e60	e55	e160	169	99	252	359	549
23	e230	e155	e95	e75	e60	e55	e200	161	97	223	355	518
24	e230	e160	e95	e75	e60	e55	e200	159	96	203	499	508
25	e225	e170	e90	e75	e60	e55	e240	169	95	191	954	498
26	e220	e170	e90	e75	e60	e55	e300	164	97	192	980	479
27	e220	e170	e90	e70	e60	e55	e400	162	95	582	789	463
28	e215	e170	e90	e70	e60	e55	e660	160	94	2290	678	447
29	e210	e170	e90	e70	---	e55	e700	161	96	2900	608	444
30	e205	e165	e90	e65	---	e55	e600	160	93	1970	567	437
31	e200	---	e90	e65	---	e55	---	157	---	1600	539	---
TOTAL	7997	4755	3470	2380	1825	1790	4895	7098	4532	15296	21544	23183
MEAN	258	158	112	76.8	65.2	57.7	163	229	151	493	695	773
MAX	367	220	160	85	70	60	700	520	372	2900	1680	1500
MIN	200	100	90	65	60	55	55	157	93	89	355	437
AC-FT	15860	9430	6880	4720	3620	3550	9710	14080	8990	30340	42730	45980
CFSM	0.69	0.43	0.30	0.21	0.18	0.16	0.44	0.62	0.41	1.33	1.87	2.08
IN.	0.80	0.48	0.35	0.24	0.18	0.18	0.49	0.71	0.45	1.53	2.15	2.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2003, BY WATER YEAR (WY)#

MEAN	194	105	70.9	47.7	36.0	31.6	91.1	546	338	298	394	332
MAX	490	264	176	112	74.8	72.0	270	1217	932	665	2147	773
(WY)	1987	1994	1986	1987	2001	1993	1993	1991	1992	1981	1967	2003
MIN	69.8	32.0	22.5	7.90	6.00	3.23	19.1	147	99.2	85.0	124	107
(WY)	1967	1967	1978	1970	1970	1967	1970	1998	1998	1997	1997	1966

SUMMARY STATISTICS FOR 2002 CALENDAR YEAR FOR 2003 WATER YEAR WATER YEARS 1966 - 2003#

ANNUAL TOTAL	91393	98765										
ANNUAL MEAN	250	271								209		
HIGHEST ANNUAL MEAN										414		1967
LOWEST ANNUAL MEAN										103		1997
HIGHEST DAILY MEAN	1300	Aug 18				2900	Jul 29		12000	Aug 13	1967	
LOWEST DAILY MEAN	a26	Mar 22				b55	Mar 18		c0.00	Mar 11	1967	
ANNUAL SEVEN-DAY MINIMUM	26	Mar 22				55	Mar 18		d17000	0.00	Mar 11	1967
MAXIMUM PEAK FLOW						3020	Jul 29		d17000	Aug 13	1967	
MAXIMUM PEAK STAGE						26.43	Jul 29			31.95	Aug 13	1967
ANNUAL RUNOFF (AC-FT)	181300	195900								151600		
ANNUAL RUNOFF (CFSM)		0.67					0.73			0.56		
ANNUAL RUNOFF (INCHES)		9.14					9.88			7.64		
10 PERCENT EXCEEDS	602					667				479		
50 PERCENT EXCEEDS	200					150				120		
90 PERCENT EXCEEDS	27					60				25		

See Period of Record; partial years used in monthly statistics

a From Mar. 22-30

b From Mar. 18 to Apr. 11

c From Mar. 11 to Apr. 15, 1967

d From rating curve extended above 3,000 ft³/s on basis of contracted-opening determination of peak flow

e Estimated

15514000 CHENA RIVER AT FAIRBANKS

LOCATION.--Lat 64°50'45", long 147°42'04", in NW¹/₄ sec. 11, T. 1 S., R. 1 W. (Fairbanks D-2 quad), Fairbanks North Star Borough, Hydrologic Unit 19040506, on right bank 100 ft downstream from Steese Highway Bridge, 800 ft upstream from Wendell Street bridge, 0.3 mi upstream from Noyes Slough, 11 mi upstream from mouth, and 11 mi downstream from Chena Slough.

DRAINAGE AREA.--1,995 mi².

PERIOD OF RECORD.--July 1947 to September 1948 (no winter records), October 1948 to current year.

GAGE.--Water-stage recorder and supplementary gage. Datum of gage is 422.92 ft above sea level. Supplementary gage, Chena River at Lathrop Street (15514003), 1.6 mi downstream on left bank, used during winter period. See WSP 1936 and 2136 for history of changes prior to April 27, 1968.

REMARKS.--Records are good except for estimated daily discharges, which are fair. Regulation during high-flow periods began July 9, 1981 at Moose Creek Dam 31.8 mi upstream. Flows on July 29 to August 2 and September 4-5 were regulated this year. GOES satellite telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD--Outstanding floods occurred in early May 1905 and 1911, late August 1930, and May 11-14, 1937. See WDR AK-90-1 for more information.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2170	e1360	e980	e570	e480	e440	e360	3560	1360	785	9700	3150
2	2220	e1320	e980	e570	e480	e430	e360	2940	1330	781	9240	3680
3	2240	e1300	e960	e560	e490	e430	e350	2550	1370	779	7560	6760
4	2280	e1280	e930	e550	e500	e430	e350	2310	1340	777	6520	8830
5	2270	e1300	e930	e550	e520	e420	e350	1980	1290	785	6750	9210
6	2140	e1340	e930	e540	e530	e420	e350	1790	1280	789	6800	8290
7	1990	e1350	e920	e530	e540	e420	e340	1680	1290	783	6130	7290
8	1970	e1200	e900	e530	e540	e420	e340	1610	2420	780	5460	6400
9	2050	e840	e860	e530	e550	e420	e340	1550	2480	829	4860	5710
10	2050	e680	e820	e520	e550	e420	e350	1560	2040	848	4350	5200
11	1980	e530	e750	e520	e560	e420	e350	1730	1750	831	3940	4830
12	1880	e500	e700	e520	e560	e420	e360	2030	1560	815	3650	4850
13	1850	e500	e650	e520	e570	e410	e360	2220	1430	813	3430	6080
14	1830	e500	e650	e520	e560	e410	e370	2570	1340	824	3270	6390
15	1770	e510	e640	e520	e540	e410	e380	2560	1240	900	3150	5520
16	1730	e560	e640	e520	e500	e400	e390	2270	1160	1700	2980	4850
17	1670	e600	e630	e520	e470	e400	e410	2020	1100	4060	2820	4440
18	e1560	e680	e630	e520	e460	e390	e460	1790	1050	4640	2700	4170
19	e1430	e740	e620	e520	e450	e380	e490	1630	1010	4990	2650	3870
20	e1250	e780	e620	e520	e450	e380	e520	1520	976	3790	2570	3650
21	e1150	e830	e620	e520	e440	e380	e560	1470	935	2970	2470	3470
22	e1230	e880	e620	e520	e440	e380	e640	1430	900	2490	2380	3320
23	e1450	e940	e610	e520	e440	e370	e720	1400	871	2160	2340	3170
24	e1470	e980	e610	e520	e430	e370	e880	1370	845	1920	2370	3010
25	e1460	e1020	e600	e520	e430	e370	e1100	1340	823	1760	3040	2890
26	e1490	e1020	e600	e520	e430	e370	1490	1350	810	1680	4810	2800
27	e1490	e990	e600	e510	e430	e360	1860	1320	811	1770	4960	2720
28	e1470	e980	e590	e510	e440	e360	2640	1310	810	4450	4290	2640
29	e1460	e980	e590	e500	---	e360	4340	1340	795	8770	3810	2550
30	e1440	e980	e580	e480	---	e360	4670	1350	789	10200	3490	2500
31	e1430	---	e580	e470	---	e360	---	1380	---	9890	3280	---
TOTAL	53870	27470	22340	16240	13780	12310	26480	56930	37205	79359	135770	142240
MEAN	1738	916	721	524	492	397	883	1836	1240	2560	4380	4741
MAX	2280	1360	980	570	570	440	4670	3560	2480	10200	9700	9210
MIN	1150	500	580	470	430	360	340	1310	789	777	2340	2500
MED	1730	960	640	520	485	400	385	1630	1200	1680	3650	4300
AC-FT	106900	54490	44310	32210	27330	24420	52520	112900	73800	157400	269300	282100
CFSM	0.87	0.46	0.36	0.26	0.25	0.20	0.44	0.92	0.62	1.28	2.20	2.38
IN.	1.00	0.51	0.42	0.30	0.26	0.23	0.49	1.06	0.69	1.48	2.53	2.65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2003, BY WATER YEAR (WY)#

MEAN	1200	597	450	344	286	262	473	3624	2532	2055	2517	2215
MAX	2413	1231	922	595	509	445	1406	10250	6721	6133	13120	5735
(WY)	1962	1994	1994	1987	1968	1968	1993	1948	1949	1949	1967	1962
MIN	461	297	194	163	120	120	209	1050	816	665	682	615
(WY)	1967	1959	1977	1977	1953	1958	1977	1998	1969	1958	1957	1957

SUMMARY STATISTICS FOR 2002 CALENDAR YEAR FOR 2003 WATER YEAR WATER YEARS 1948 - 2003#

ANNUAL TOTAL	636225	623994										
ANNUAL MEAN	1743	1710								1365		
HIGHEST ANNUAL MEAN										2603		1962
LOWEST ANNUAL MEAN										713		1958
HIGHEST DAILY MEAN			8890	Aug 21		10200	Jul 30		64600		Aug 15	1967
LOWEST DAILY MEAN			a215	Mar 20		b340	Apr 7		120		Feb 1	1953
ANNUAL SEVEN-DAY MINIMUM			216	Mar 19		346	Apr 3		120		Feb 1	1953
MAXIMUM PEAK FLOW						10400	Jul 30		74400		Aug 15	1967
MAXIMUM PEAK STAGE						9.58	Jul 30		18.82		Aug 15	1967
ANNUAL RUNOFF (AC-FT)	1262000	1238000							989100			
ANNUAL RUNOFF (CFSM)	0.87	0.86							0.68			
ANNUAL RUNOFF (INCHES)	11.86	11.64							9.30			
10 PERCENT EXCEEDS	4090	4220							3100			
50 PERCENT EXCEEDS	1300	960							720			
90 PERCENT EXCEEDS	225	416							235			

See Period of Record

a Mar. 20 to 25

b April 7 to 9

c Monthly means published for Feb. 1953 and Mar. 1958

d Site then in use

e Estimated

15515500 TANANA RIVER AT NENANA—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1962 - 2003#	
ANNUAL TOTAL	10029200		9190800			
ANNUAL MEAN	27480		25180		24210	
HIGHEST ANNUAL MEAN					29310 1967	
LOWEST ANNUAL MEAN					19530 1970	
HIGHEST DAILY MEAN	80800	Aug 20	96800	Jul 30	183000	Aug 18 1967
LOWEST DAILY MEAN	a6800	Jan 22	b7700	Mar 24	c4000	Mar 6 1974
ANNUAL SEVEN-DAY MINIMUM	6800	Jan 22	7700	Mar 24	4000	Mar 6 1974
MAXIMUM PEAK FLOW			97700	Jul 29	186000	Aug 18 1967
MAXIMUM PEAK STAGE			12.79	Jul 29	d18.90	Aug 18 1967
ANNUAL RUNOFF (AC-FT)	19890000		18230000		17540000	
ANNUAL RUNOFF (CFSM)	1.07		0.98		0.95	
ANNUAL RUNOFF (INCHES)	14.57		13.36		12.85	
10 PERCENT EXCEEDS	60500		54900		58100	
50 PERCENT EXCEEDS	19500		20000		12000	
90 PERCENT EXCEEDS	6800		7800		6200	

See Period of Record, partial years used in monthly statistics

a From Jan. 22 to Apr. 5

b From Mar. 24 to Apr. 13

c From Mar. 6 to Mar. 20, 1974

d At site then in use

e Estimated

15515500 TANANA RIVER AT NENANA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1954-57, 1963-64, 1966-75, 1978-1995, and 2001 to current year.

PERIOD OF RECORD.--

WATER TEMPERATURE: 1954 to 1956 (seasonal).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Location in X-sect. looking downstrm ft from l bank (00009)	Sample location, cross section ft from rt bank (72103)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temper-ature, water, deg C (00010)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, of sat-uration mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)
MAR									
19...	1712	75.0	--	321	7.3	.0	750	7.7	54
19...	1722	220	--	320	7.3	.0	750	7.8	54
19...	1732	400	--	319	7.3	.0	750	7.8	54
19...	1742	565	--	320	7.3	.0	750	7.8	54
19...	1752	735	--	320	7.3	.0	750	7.8	54
MAY									
08...	1535	135	--	248	8.0	5.7	765	12.1	96
08...	1538	245	--	248	8.0	5.8	765	11.8	94
08...	1541	330	--	248	8.0	5.8	765	12.0	96
08...	1544	430	--	248	8.0	5.8	765	12.0	96
08...	1547	540	--	248	8.0	5.7	765	12.1	96
JUN									
11...	1250	--	140.0	272	7.6	16.7	757	9.0	93
11...	1310	--	270.0	272	7.8	16.7	757	9.1	94
11...	1331	--	425.0	273	7.8	16.8	757	9.1	94
11...	1350	--	530.0	271	7.8	16.8	757	9.0	93
11...	1410	--	635.0	270	7.9	16.8	757	9.0	93
JUL									
22...	1312	--	340.0	222	7.9	16.7	775	9.7	98
22...	1322	--	260.0	221	7.9	16.7	775	9.6	97
22...	1332	--	215.0	220	7.9	16.7	775	9.5	96
22...	1342	--	155.0	221	7.9	16.7	775	9.5	96
22...	1352	--	110.0	220	7.9	16.7	775	9.4	95
AUG									
15...	1302	--	150.0	237	7.6	13.4	731	9.4	94
15...	1304	--	240.0	236	7.9	13.4	731	9.3	93
15...	1306	--	340.0	237	8.0	13.4	731	9.3	93
15...	1308	--	430.0	236	8.0	13.4	731	9.3	93
15...	1310	--	600.0	236	8.0	13.4	731	9.3	93
SEP									
12...	1302	576	--	242	7.8	7.2	768	11.0	90
12...	1322	500	--	242	7.9	7.2	768	10.9	90
12...	1342	425	--	242	7.9	7.2	768	10.7	88
12...	1402	330	--	243	7.9	7.3	768	10.7	88
12...	1422	225	--	243	7.9	7.3	768	10.6	87

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Sample type	Stream width, feet (00004)	Instan-taneous dis-charge, cfs (00061)	Sam-pling method code (82398)	Sampler type, code (84164)	Type of sample related data, code (99111)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Turbid-ity, wat unf lab, Hach 2100AN NTU (99872)
MAR													
19...	1830	9	9	934	7740	20	3044	30	320	7.3	-4.0	.0	9.4
MAY													
08...	1440	9	9	638	26200	20	3056	1	248	8.0	--	5.7	180
28...	1530	9	9	--	19600	20	3056	1	256	7.8	--	12.4	32
JUN													
11...	1330	9	9	--	31500	20	3056	1	272	7.8	--	16.8	130
JUL													
22...	1330	9	9	638	76200	20	--	1	221	7.9	--	16.7	E930
AUG													
15...	1130	9	7	--	66100	20	3056	30	236	7.9	--	13.4	2000
SEP													
12...	1340	9	9	697	38800	20	3056	10	242	7.9	--	7.3	97

15515500 TANANA RIVER AT NENANA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	UV absorb- ance, 254 nm, wat flt units /cm (50624)	UV absorb- ance, 280 nm, wat flt units /cm (61726)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	Hard- ness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, field, mg/L as CaCO3 (00410)	Potas- sium, water, fltrd, mg/L (00935)	Bicar- bonate wat flt incrm. titr., mg/L (00453)	Carbon- ate wat incrm. titr., mg/L (00452)
MAR													
19...	.032	.023	750	7.8	54	140	42.3	8.80	3.95	127	2.01	156	.0
MAY													
08...	.107	.079	765	12.0	95	120	34.2	7.64	3.58	--	1.79	109	.0
28...	.108	.080	--	9.4	--	120	35.7	8.24	4.22	--	1.84	120	.0
JUN													
11...	.096	.071	757	9.0	93	130	35.5	8.80	4.36	--	1.99	107	.0
JUL													
22...	.056	.043	775	9.5	96	110	31.6	6.79	3.46	--	2.02	88	.0
AUG													
15...	.025	.018	731	9.3	93	120	34.1	7.19	3.60	--	2.98	90	.0
SEP													
12...	.104	.076	768	10.8	89	120	33.7	8.57	3.64	--	1.67	99	.0
Date	Alka- linity, wat flt inc tit mg/L as CaCO3 (39086)	Alka- linity, wat flt fxd end field, mg/L as CaCO3 (39036)	Sulfate water, fltrd, mg/L (00945)	Chlor- ide, water, fltrd, mg/L (00940)	Flour- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Residue on evap. at 180 deg C wat flt mg/L (70300)	Residue water, fltrd, sum of consti- tuents mg/L (70301)	Nitrite water, fltrd, mg/L as N (00613)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
MAR													
19...	128	130	34.2	.74	.13	14.5	200	185	<.002	.186	.047	E.09	E.08
MAY													
08...	90	90	32.8	1.77	<.17	10.2	154	146	.003	.135	.027	.43	.14
28...	98	98	35.4	2.20	<.2	10.0	164	157	.003	.054	<.015	.23	.11
JUN													
11...	88	89	40.6	2.63	<.2	9.13	163	156	E.002	.089	<.015	.36	E.07
JUL													
22...	72	72	37.3	1.86	<.2	7.01	138	134	E.002	.091	<.015	.87	<.10
AUG													
15...	74	74	40.4	1.43	<.2	5.88	143	141	<.002	.087	<.015	1.1	<.10
SEP													
12...	81	82	35.4	1.50	<.2	9.80	155	144	<.002	.145	E.009	.26	.11
Date	Phos- phorus, water, unfltrd mg/L (00665)	Phos- phorus, water, fltrd, mg/L (00666)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, suspnd sedimnt total, percent (30292)	Alum- inum, suspnd sedimnt total, percent (30221)	Alum- inum, water, fltrd, ug/L (01106)	Anti- mony, suspnd sedimnt total, ug/g (29816)	Anti- mony, water, fltrd, ug/L (01095)	Arsenic suspnd sedimnt total, ug/g (29818)	Arsenic water, fltrd, ug/L (01000)	Barium, suspnd sedimnt total, ug/g (29820)	Barium, water, fltrd, ug/L (01005)	Beryll- ium suspnd sedimnt total, ug/g (29822)
MAR													
19...	.032	<.004	<.007	.099	7.1	E1	1.2	<.30	39	.4	890	46	2
MAY													
08...	.62	.007	<.007	.079	7.1	8	1.3	E.23	15	1.0	790	42	1
28...	.25	.005	<.007	.058	5.8	10	.8	E.22	8.5	1.2	640	38	1
JUN													
11...	.42	E.004	<.007	.078	7.5	17	1.6	E.25	18	1.1	830	39	2
JUL													
22...	1.55	E.004	<.007	.077	8.0	21	1.4	.42	15	1.1	960	32	1
AUG													
15...	1.72	<.004	<.007	.070	8.6	18	2.0	.56	19	.9	1100	37	2
SEP													
12...	.50	.007	<.007	.065	6.4	14	1.6	E.17	11	.9	700	30	1

15515500 TANANA RIVER AT NENANA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Beryllium water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium suspnd total, ug/g (29826)	Cadmium water, fltrd, ug/L (01025)	Chrom- ium, suspnd total, ug/g (29829)	Chrom- ium, water, fltrd, ug/L (01030)	Cobalt, suspnd total, ug/g (35031)	Cobalt, water, fltrd, ug/L (01035)	Copper, suspnd total, ug/g (29832)	Copper, water, fltrd, ug/L (01040)	Iron, suspnd total, percent (30269)	Iron, water, fltrd, ug/L (01046)	Lead, suspnd total, ug/g (29836)
MAR													
19...	<.06	23	1.0	<.04	100	<.08	22	.228	53	1.0	5.4	27	17
MAY													
08...	<.06	19	.6	<.04	83	<.08	17	.201	45	2.2	4.1	57	14
28...	<.06	32	.4	<.04	70	<.08	12	.153	24	2.2	2.9	109	13
JUN													
11...	<.06	30	.4	.04	110	<.08	16	.164	46	2.3	4.1	28	16
JUL													
22	<.06	17	.4	<.04	92	<.08	18	.102	51	1.4	4.3	E5	14
AUG													
15...	<.06	20	.6	<.04	130	<.08	20	.089	55	.8	4.7	E6	20
SEP													
12...	<.06	17	.2	E.02	84	<.08	14	.168	30	1.7	3.3	63	13

Date	Lead water, fltrd, ug/L (01049)	Lithium suspnd total, ug/g (35050)	Lithium water, fltrd, ug/L (01130)	Mangan- ese, suspnd total, ug/g (29839)	Mangan- ese, water, fltrd, ug/L (01056)	Mercury suspnd total, ug/g (29841)	Molyb- denum, suspnd total, ug/g (29843)	Molyb- denum, water fltrd, ug/L (01060)	Nickel, suspnd total, ug/g (29845)	Nickel, water, fltrd, ug/L (01065)	Selen- ium, suspnd total, ug/g (29847)	Selen- ium, water, fltrd, ug/L (01145)	Silver, suspnd total, ug/g (29850)
MAR													
19...	<.08	23	2.7	4000	83.2	.09	2	1.1	60	1.55	M	.5	<.5
MAY													
08...	E.04	23	2.6	930	41.0	.09	2	1.1	45	2.17	M	.6	<.5
28...	E.04	17	3.9	630	20.0	.02	2	1.3	33	2.12	M	.6	<.5
JUN													
11...	E.04	26	4.8	840	13.7	.06	2	1.1	51	1.53	M	E.5	<.5
JUL													
22...	<.08	24	3.6	720	5.4	.03	1	1.1	44	1.65	M	.6	<.5
AUG													
15...	<.08	35	4.6	840	1.3	.07	2	1.3	59	1.94	M	.8	<.5
SEP													
12...	E.06	19	3.4	670	21.7	.08	2	1.0	40	1.15	M	E.5	<.5

15515500 TANANA RIVER AT NENANA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Silver, water, fltrd, ug/L (01075)	Stront- ium, suspnd sedimnt total, ug/g (35040)	Stront- ium, water, fltrd, ug/L (01080)	Thall- ium, suspnd sedimnt total, ug/g (49955)	Titan- ium, suspnd sedimnt total, percent (30317)	Vanad- ium, suspnd sedimnt total, ug/g (29853)	Vanad- ium, water, fltrd, ug/L (01085)	Zinc, suspnd sedimnt total, ug/g (29855)	Zinc, water, fltrd, ug/L (01090)	Uranium suspnd sedimnt total, ug/g (35046)	Uranium natural water, fltrd, ug/L (22703)	Organic carbon, water, fltrd, mg/L (00681)	Inor- ganic carbon suspnd sedimnt total, mg/L (00688)
MAR													
19...	<.2	220	190	<50	.410	120	.4	180	5	<50	.78	1.6	<.1
MAY													
08...	<.2	250	156	<50	.400	120	1.3	89	3	<50	.85	3.5	.5
28...	<.2	220	176	<50	.340	86	2.0	72	2	<50	.92	3.0	<.1
JUN													
11...	<.2	250	146	<50	2.3	140	.8	130	3	<50	.95	2.8	.2
JUL													
22...	<.2	230	136	<50	.470	130	.6	100	<1	<50	.88	1.7	2.6
AUG													
15...	<.2	220	141	<50	.440	150	.9	120	M	<50	1.08	1.0	E12.0
SEP													
12...	<.2	220	140	<50	.410	110	.6	75	<1	<50	.73	3.2	.4

Date	Organic carbon, suspnd sedimnt total, mg/L (00689)	Total carbon, suspnd sedimnt total, mg/L (00694)	Total carbon, suspnd sedimnt total, percent (30244)	Organic carbon, suspnd sedimnt total, percent (50465)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment load, tons/d (80155)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)
MAR									
19...	.3	.3	1.2	1.1	<.02	24	30	627	54
MAY									
08...	4.0	4.5	.70	.5	.25	870	976	69000	51
28...	1.0	1.0	.50	.4	.08	--	342	18100	30
JUN									
11...	1.8	2.1	.80	.5	.15	545	543	46200	55
JUL									
22...	6.9	9.4	.60	.4	.44	2600	2940	604000	62
AUG									
15...	E3.0	E15.0	.40	.4	E.64	3790	3960	707000	79
SEP									
12...	2.1	2.5	.60	.4	.14	654	806	84400	30

15518040 NENANA RIVER AT HEALY

LOCATION.--Lat 63°51'15", long 148°57'20", in SE¹/₄ sec. 20, T. 12 S., R. 7 W. (Healy D-4 quad), Denali Borough, Hydrologic Unit 19040508, on left bank upstream side of Healy Spur railroad bridge, 0.3 mi east of Parks Hwy in Healy, 0.4 mi downstream from Healy Creek, and 4 mi upstream of Lignite Creek.

DRAINAGE AREA.--2100 mi².

PERIOD OF RECORD.--April 1990 to September 1991, May to September 2003.

GAGE.--Water-stage-recorder. Datum of gage is 1244.17 ft above NGVD of 1929. Prior to Sept. 26, 1990, non-recording gage site 60 ft downstream at same datum. A National Weather Service wire-weight is attached to the down-stream edge of the highway bridge and was established in June 1972.

REMARKS.--Records fair, except for estimated daily discharges, which are poor. GOES satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 31,200 ft³/s, September 15, 1990, gage height, 14.4 ft, from flood marks; minimum daily not determined, occurred during period of ice effect.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 31,000 ft³/s, July 28, 2003, gage height, 14.37 ft, may have been higher during period of no record; minimum daily not determined, occurred during period of ice effect.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR MAY TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	e1900	6060	9060	13200	9910
2	---	---	---	---	---	---	---	e1800	5690	10400	10300	10500
3	---	---	---	---	---	---	---	e2100	4610	13900	9040	11200
4	---	---	---	---	---	---	---	e2000	4440	11500	8710	12600
5	---	---	---	---	---	---	---	e2000	4960	10100	7690	11400
6	---	---	---	---	---	---	---	e2000	6750	9310	7080	9450
7	---	---	---	---	---	---	---	e2200	7830	8780	6670	8230
8	---	---	---	---	---	---	---	e2400	7360	8980	6750	7500
9	---	---	---	---	---	---	---	e2600	6770	9440	6800	6920
10	---	---	---	---	---	---	---	e2500	7770	9910	6790	6520
11	---	---	---	---	---	---	---	e2900	10600	8890	7340	6180
12	---	---	---	---	---	---	---	e2600	12500	8690	8600	6120
13	---	---	---	---	---	---	---	e3000	12200	8660	10500	5990
14	---	---	---	---	---	---	---	e3000	10400	8960	e13000	5340
15	---	---	---	---	---	---	---	e3400	9580	9610	e15000	4910
16	---	---	---	---	---	---	---	3210	9310	16300	13100	4620
17	---	---	---	---	---	---	---	2850	8460	26000	16200	4430
18	---	---	---	---	---	---	---	2690	8870	22700	14400	4060
19	---	---	---	---	---	---	---	2620	9070	19900	10800	3790
20	---	---	---	---	---	†950	---	2650	8630	16900	8720	3730
21	---	---	---	---	---	---	---	2630	8350	14800	7940	3720
22	---	---	---	---	---	---	---	2840	8280	13200	7570	3680
23	---	---	---	---	---	---	---	2740	8520	12100	6870	3550
24	---	---	---	---	---	---	---	2700	9230	10700	6400	3430
25	---	---	---	---	---	---	---	2840	9370	9870	6410	3490
26	---	---	---	---	---	---	---	3160	8750	9160	7550	3490
27	---	---	---	---	---	---	---	3390	7560	15100	8330	3390
28	---	---	---	---	---	---	---	3310	7340	27800	7880	3360
29	---	---	---	---	---	---	---	3770	7710	21400	7440	3980
30	---	---	---	---	---	---	---	4250	8280	17300	7250	5310
31	---	---	---	---	---	---	---	5100	---	16400	9300	---
TOTAL	---	---	---	---	---	---	---	87150	245250	415820	283630	180800
MEAN	---	---	---	---	---	---	---	2811	8175	13410	9149	6027
MAX	---	---	---	---	---	---	---	5100	12500	27800	16200	12600
MIN	---	---	---	---	---	---	---	1800	4440	8660	6400	3360
AC-FT	---	---	---	---	---	---	---	172900	486500	824800	562600	358600
CFSM	---	---	---	---	---	---	---	1.34	3.89	6.39	4.36	2.87
IN.	---	---	---	---	---	---	---	1.54	4.34	7.37	5.02	3.20

† Result of discharge measurement
e Estimated

15518080 LIGNITE CREEK ABOVE MOUTH NEAR HEALY

LOCATION.--Lat 63°54'17", long 148°59'01", in SE¹/₄ NE¹/₄ sec. 6, T. 11 S., R. 7 W. (Healy D-4 quad), Hydrologic Unit 19040508, on right bank 300 ft downstream from culverts on access road to Usibelli Coal Mine office, 1,000 ft upstream from mouth, and 3.5 mi north of Healy.

DRAINAGE AREA.--48.1 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,300 ft above sea level, from topographic map. Prior to May 22, 1987 on left bank, 400 ft upstream at same datum. From May 22, 1987 to September 30, 1997 on left bank, 300 ft upstream at same datum.

REMARKS.--Records fair except for estimated daily discharges which are poor. Precipitation gage at station; daily values of precipitation are available from the computer files of the Alaska Science Center, Water Resources Office. GOES satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	e21	e8.0	e9.4	e9.2	e8.2	e7.6	e9.8	79	105	63	63
2	24	e21	e7.8	e9.6	e9.0	e8.2	e7.6	e11	77	143	62	72
3	24	e21	e7.8	e9.6	e9.0	e8.2	e7.6	e12	76	e270	63	56
4	24	e20	e7.8	e9.8	e9.0	e8.2	e7.6	e13	74	e200	66	53
5	23	e20	e7.6	e9.8	e9.0	e8.2	e7.6	e15	72	e540	66	50
6	23	e20	e7.6	e9.8	e9.0	e8.0	e7.6	e18	72	e350	76	56
7	23	e20	e7.6	e10	e8.8	e8.0	e7.6	e22	74	e200	84	56
8	21	e18	e7.6	e10	e8.8	e8.0	e7.6	e32	73	e130	78	54
9	23	e18	e7.4	e10	e8.8	e8.0	e7.6	e43	70	e95	85	70
10	23	e18	e7.4	e10	e8.8	e8.0	e7.6	e65	68	74	116	68
11	20	e17	e7.4	e10	e8.8	e8.0	e7.6	e100	67	68	86	57
12	e19	e16	e7.4	e10	e8.8	e8.0	e7.6	e130	73	65	83	53
13	e18	e16	e7.4	e10	e8.8	e8.0	e7.6	e150	77	62	88	50
14	e18	e15	e7.4	e10	e8.6	e8.0	e7.6	e160	77	60	71	48
15	e18	e14	e7.6	e10	e8.6	e8.0	e7.6	e170	64	60	67	47
16	e18	e14	e7.6	e10	e8.6	e8.0	e7.6	e180	57	60	172	48
17	e18	e13	e7.6	e10	e8.6	e8.0	e7.6	e190	54	61	499	50
18	e18	e12	e7.6	e10	e8.6	e8.0	e7.8	e200	55	62	301	52
19	e18	e12	e7.6	e9.8	e8.6	e8.0	e7.8	e200	112	62	214	98
20	e18	e12	e7.8	e9.8	e8.4	e8.0	e8.0	e200	140	62	110	65
21	e18	e11	e7.8	e9.8	e8.4	e7.8	e8.0	e190	165	58	107	55
22	e18	e10	e8.0	e9.6	e8.4	e7.8	e8.0	e170	193	57	101	54
23	e19	e9.8	e8.2	e9.6	e8.4	e7.8	e8.0	e150	118	57	86	54
24	e19	e9.4	e8.2	e9.6	e8.4	e7.8	e8.0	130	109	59	81	58
25	e20	e9.0	e8.4	e9.4	e8.4	e7.8	e8.2	113	105	63	72	54
26	e20	e8.6	e8.6	e9.4	e8.2	e7.8	e8.2	90	101	60	64	52
27	e20	e8.4	e8.8	e9.4	e8.2	e7.8	e8.4	85	99	62	65	50
28	e20	e8.4	e8.8	e9.4	e8.2	e7.8	e8.6	78	97	74	67	48
29	e20	e8.2	e9.0	e9.2	---	e7.8	e9.0	77	96	68	62	52
30	e21	e8.2	e9.2	e9.2	---	e7.8	e9.4	87	95	64	57	48
31	e21	---	e9.4	e9.2	---	e7.6	---	80	---	62	54	---
TOTAL	630	429.0	246.4	301.4	242.4	246.6	236.6	3170.8	2689	3413	3266	1691
MEAN	20.3	14.3	7.95	9.72	8.66	7.95	7.89	102	89.6	110	105	56.4
MAX	24	21	9.4	10	9.2	8.2	9.4	200	193	540	499	98
MIN	18	8.2	7.4	9.2	8.2	7.6	7.6	9.8	54	57	54	47
MED	20	14	7.8	9.8	8.6	8.0	7.6	90	77	63	78	54
AC-FT	1250	851	489	598	481	489	469	6290	5330	6770	6480	3350
CFSM	0.42	0.30	0.17	0.20	0.18	0.17	0.16	2.13	1.86	2.29	2.19	1.17
IN.	0.49	0.33	0.19	0.23	0.19	0.19	0.18	2.45	2.08	2.64	2.53	1.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2002, BY WATER YEAR (WY)#

MEAN	22.7	15.9	12.0	9.98	8.44	8.44	22.4	78.5	65.5	48.0	53.3	43.2
MAX	47.4	25.4	20.0	18.7	20.6	19.1	45.5	166	145	110	112	134
(WY)	1994	1994	1987	1995	1994	1994	1994	1992	1989	2002	2000	1990
MIN	10.3	4.87	1.65	0.95	0.000	0.000	0.000	40.1	30.2	25.6	22.7	17.6
(WY)	1988	1988	1988	1986	1986	1986	1986	1999	2001	1996	1999	1987

See Period of Record, partial years used in monthly statistics
e Estimated

15518080 LIGNITE CREEK ABOVE MOUTH NEAR HEALY—Continued

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1985 - 2002#	
ANNUAL TOTAL	9721.4		16562.2			
ANNUAL MEAN	26.6		45.4		32.1	
HIGHEST ANNUAL MEAN					45.4	
LOWEST ANNUAL MEAN					21.1	
HIGHEST DAILY MEAN	191 Jul 31		e540 Jul 5		852 Jun 25 1989	
LOWEST DAILY MEAN	a7.4 Dec 9		a7.4 Dec 9		b0.00 Feb 1 1986	
ANNUAL SEVEN-DAY MINIMUM	7.4 Dec 8		7.4 Dec 8		0.00 Feb 1 1986	
MAXIMUM PEAK FLOW			c780 Jul 5		d2400 Aug 21 1986	
MAXIMUM PEAK STAGE			f5.20 Jul 5		g11.05 Aug 21 1986	
MAXIMUM PEAK STAGE			h8.31 May 20			
ANNUAL RUNOFF (AC-FT)	19280		32850		23270	
ANNUAL RUNOFF (CFSM)	0.55		0.94		0.67	
ANNUAL RUNOFF (INCHES)	7.52		12.81		9.07	
10 PERCENT EXCEEDS	49		103		69	
50 PERCENT EXCEEDS	20		18		20	
90 PERCENT EXCEEDS	9.3		7.8		5.0	

a From Dec. 9 to 14

b From Feb. 1 to Apr. 30, 1986

c From rating curve extended above 110 ft³/s on basis of slope-area measurement at gage height of 5.20 ft.

d Estimated discharge from rating curve extended above 280 ft³/s based on surface-float measurement at gage

e Estimated

f From floodmarks

g At site then in use, same datum

h Backwater from snow and ice

15518080 LIGNITE CREEK ABOVE MOUTH NEAR HEALY—Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	51	e21	e15	e12	e10	e9.4	e14	47	17	e80	129
2	64	57	e21	e15	e12	e10	e9.4	e14	44	18	e70	298
3	53	56	e20	e15	e12	e10	e9.4	e14	43	20	e130	170
4	50	58	e20	e15	e12	e10	e9.4	e15	43	19	e160	122
5	39	56	e20	e15	e12	e10	e9.4	e15	43	16	97	101
6	55	57	e19	e15	e12	e10	e9.4	e16	45	17	70	78
7	58	56	e19	e15	e12	e10	e9.4	e17	88	18	56	70
8	57	47	e19	e14	e11	e9.8	e9.4	e18	57	15	51	65
9	48	e42	e19	e14	e11	e9.8	e9.4	e19	40	13	47	60
10	42	e38	e18	e14	e11	e9.8	e9.4	e20	37	13	44	57
11	53	e37	e18	e14	e11	e9.8	e9.8	e23	41	13	41	69
12	54	e38	e18	e14	e11	e9.8	e10	e26	34	11	40	135
13	52	e36	e18	e14	e11	e9.8	e11	e29	30	12	38	87
14	56	e34	e18	e14	e11	e9.8	e11	e32	26	13	37	64
15	52	e32	e18	e14	e11	e9.8	e11	e34	22	16	36	60
16	52	e31	e17	e14	e11	e9.6	e11	40	19	39	37	e55
17	48	e29	e17	e13	e11	e9.6	e11	42	18	93	42	e52
18	e43	e28	e17	e13	e11	e9.6	e11	47	18	88	39	e50
19	e39	e27	e17	e13	e11	e9.6	e11	41	21	64	36	e48
20	e40	e26	e17	e13	e11	e9.6	e11	39	28	57	34	e46
21	e44	e25	e17	e13	e11	e9.6	e11	42	30	57	34	e51
22	e56	e25	e17	e13	e11	e9.6	e11	39	29	56	48	e49
23	77	e24	e16	e13	e11	e9.6	e11	38	30	51	42	e46
24	87	e23	e16	e13	e11	e9.6	e12	38	24	50	52	e42
25	78	e23	e16	e13	e10	e9.6	e12	41	22	47	50	e40
26	72	e22	e16	e13	e10	e9.6	e12	43	23	49	43	36
27	63	e22	e16	e13	e10	e9.6	e13	42	21	95	39	34
28	57	e22	e16	e12	e10	e9.6	e13	39	21	e120	36	36
29	59	e21	e16	e12	---	e9.6	e13	41	20	e70	36	45
30	60	e21	e16	e12	---	e9.4	e13	41	18	e60	36	42
31	57	---	e15	e12	---	e9.4	---	43	---	e120	107	---
TOTAL	1718	1064	548	422	311	301.6	322.8	962	982	1347	1708	2237
MEAN	55.4	35.5	17.7	13.6	11.1	9.73	10.8	31.0	32.7	43.5	55.1	74.6
MAX	87	58	21	15	12	10	13	47	88	120	160	298
MIN	39	21	15	12	10	9.4	9.4	14	18	11	34	34
MED	54	32	17	14	11	9.6	11	38	29	39	42	56
AC-FT	3410	2110	1090	837	617	598	640	1910	1950	2670	3390	4440
CFSM	1.15	0.74	0.37	0.28	0.23	0.20	0.22	0.65	0.68	0.90	1.15	1.55
IN.	1.33	0.82	0.42	0.33	0.24	0.23	0.25	0.74	0.76	1.04	1.32	1.73

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2003, BY WATER YEAR (WY)#

MEAN	24.5	17.0	12.3	10.2	8.59	8.51	21.7	75.9	63.8	47.8	53.4	44.9
MAX	55.4	35.5	20.0	18.7	20.6	19.1	45.5	166	145	110	112	134
(WY)	2003	2003	1987	1995	1994	1994	1994	1992	1989	2002	2000	1990
MIN	10.3	4.87	1.65	0.95	0.000	0.000	0.000	31.0	30.2	25.6	22.7	17.6
(WY)	1988	1988	1988	1986	1986	1986	1986	2003	2001	1996	1999	1987

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1985 - 2003#

ANNUAL TOTAL	18586.8	11923.4										
ANNUAL MEAN	50.9	32.7								32.1		
HIGHEST ANNUAL MEAN										45.4		2002
LOWEST ANNUAL MEAN										21.1		1999
HIGHEST DAILY MEAN	e540	Jul 5					298	Sep 2		852	Jun 25	1989
LOWEST DAILY MEAN	a7.6	Mar 31					b9.4	Mar 30		c0.00	Feb 1	1986
ANNUAL SEVEN-DAY MINIMUM	7.6	Mar 31					9.4	Mar 30		d0.00	Feb 1	1986
MAXIMUM PEAK FLOW							577	Sep 2		d2400	Aug 21	1986
MAXIMUM PEAK STAGE							4.62	Sep 2		f11.05	Aug 21	1986
MAXIMUM PEAK STAGE							gh5.52	May 1				
ANNUAL RUNOFF (AC-FT)	36870						23650			23290		
ANNUAL RUNOFF (CFSM)	1.06						0.68			0.67		
ANNUAL RUNOFF (INCHES)	14.37						9.22			9.08		
10 PERCENT EXCEEDS	103						60			68		
50 PERCENT EXCEEDS	40						21			20		
90 PERCENT EXCEEDS	8.0						10			5.5		

See Period of Record, partial years used in monthly statistics

a From Mar. 31 to Apr. 17

b From Mar. 30 to Apr. 10

c From Feb. 1 to Apr. 30, 1986

d Estimated discharge from rating curve extended above 280 ft³/s based on surface-float measurement at gage

e Estimated

f At site then in use, same datum

g Backwater from snow and ice

h From floodmarks

15518080 LIGNITE CREEK ABOVE MOUTH NEAR HEALY—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1980 to 1981, 1986 to current year

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	Stream width, feet (00004)	Gage height, feet (00065)	Instan- taneous charge, cfs (00061)	Sam- pling method, code (82398)	Sampler type, code (84164)	Temper- ature, water, deg C (00010)	Temper- ature, air, deg C (00020)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment load, tons/d (80155)	Suspnd. sedi- ment, falldia percent <.002mm (70337)	Suspnd. sedi- ment, falldia percent <.004mm (70338)
JUN													
19...	1330	9	19.5	2.14	19	10	3001	12.4	--	294	15	41	54
JUL													
01...	1300	9	12.7	2.12	18	10	3001	--	--	166	7.9	--	--
17...	1424	9	24.7	2.87	113	10	3001	13.5	--	6900	2110	11	17
AUG													
05...	1315	9	24.5	2.68	87	10	3001	6.5	12.5	1120	264	18	26
SEP													
04...	1353	9	37.9	2.93	117	10	3001	7.0	--	1330	420	--	--
25...	1744	9	12.8	2.37	40	10	3001	2.0	1.0	88	9.5	--	--

Date	Suspnd. sedi- ment, falldia dst wat percent <.008mm (70339)	Suspnd. sedi- ment, falldia dst wat percent <.016mm (70340)	Suspnd. sedi- ment, falldia dst wat percent <.031mm (70341)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Suspnd. sedi- ment, sieve diametr percent <.125mm (70332)	Suspnd. sedi- ment, sieve diametr percent <.25mm (70333)	Suspnd. sedi- ment, sieve diametr percent <.5 mm (70334)	Suspnd. sedi- ment, sieve diametr percent <1 mm (70335)	Suspnd. sedi- ment, sieve diametr percent <2 mm (70336)	Sus- pended sedi- ment, sieve diametr percent <4mm (69314)
JUN										
19...	72	83	85	87	91	96	99	100	--	--
JUL										
01...	--	--	--	83	87	93	99	100	--	--
17...	25	35	42	47	63	83	96	99	100	--
AUG										
05...	35	43	49	51	60	73	93	97	98	100
SEP										
04...	--	--	--	55	65	81	96	98	99	100
25...	--	--	--	72	83	91	97	100	--	--

15564879 SLATE CREEK AT COLDFOOT

LOCATION.--Lat 67°15'17", long 150°10'24", in NW¹/₄ sec. 15, T. 28 N., R. 12 W. (Wiseman B-1 quad), Hydrologic Unit 19040601, on left bank 40 ft downstream from bridge on Dalton Highway, 1.1 mi upstream from mouth and 0.1 mi north of Coldfoot.

DRAINAGE AREA.--73.4 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximums, water years 1981-94. May 1995 to current year (no winter records in water years 1995-98).

REVISED RECORDS.--WRD AK-99-1: 1984(M), 1989(M), 1993(M), 1994(M), 1998 (M).

GAGE.--Water-stage recorder. Elevation of gage is 1050 ft above sea level, from topographic map. Prior to May 5, 1995, nonrecording gage at site 105 ft upstream at same datum. May 5, 1995 to Present, recording gage at site 60 ft downstream at same datum.

REMARKS.--Records fair, except estimated daily discharges which are poor. GOES satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	279	e28	e14	e6.3	e1.0	e0.00	e0.00	e0.00	e1500	54	195	206
2	216	e27	e14	e6.0	e0.90	e0.00	e0.00	e0.00	e1200	81	190	488
3	181	e26	e14	e5.8	e0.90	e0.00	e0.00	e0.00	e1000	267	190	902
4	156	e26	e14	e5.4	e0.80	e0.00	e0.00	e0.00	824	156	182	527
5	132	e25	e14	e5.1	e0.80	e0.00	e0.00	e0.00	621	114	179	433
6	e120	e24	e13	e4.9	e0.70	e0.00	e0.00	e0.00	721	94	170	370
7	e100	e24	e13	e4.6	e0.70	e0.00	e0.00	e0.00	649	83	155	328
8	e95	e23	e13	e4.4	e0.60	e0.00	e0.00	e0.00	392	73	142	294
9	e90	e23	e13	e4.1	e0.60	e0.00	e0.00	e0.00	287	66	133	283
10	e80	e22	e13	e4.0	e0.50	e0.00	e0.00	e0.00	251	62	125	263
11	e75	e21	e13	e3.8	e0.50	e0.00	e0.00	e0.10	241	58	138	246
12	e70	e21	e12	e3.7	e0.40	e0.00	e0.00	e0.10	211	55	198	226
13	e65	e20	e12	e3.5	e0.40	e0.00	e0.00	e0.10	162	54	457	209
14	e60	e20	e12	e3.3	e0.30	e0.00	e0.00	e0.20	136	53	419	191
15	e60	e19	e12	e3.1	e0.30	e0.00	e0.00	e0.20	128	51	339	180
16	e55	e19	e12	e2.9	e0.20	e0.00	e0.00	e0.30	142	50	333	170
17	e50	e18	e11	e2.8	e0.20	e0.00	e0.00	e0.50	125	51	404	158
18	e50	e18	e11	e2.6	e0.20	e0.00	e0.00	e0.70	115	47	319	e150
19	e47	e18	e11	e2.5	e0.10	e0.00	e0.00	e1.0	103	44	266	142
20	e45	e17	e10	e2.3	e0.10	e0.00	e0.00	e1.3	87	42	232	137
21	e43	e17	e10	e2.1	e0.10	e0.00	e0.00	e1.7	82	40	208	e126
22	e40	e17	e9.8	e2.0	e0.00	e0.00	e0.00	e2.4	77	39	191	e122
23	e39	e16	e9.4	e1.9	e0.00	e0.00	e0.00	e3.5	71	39	195	118
24	e37	e16	e9.0	e1.8	e0.00	e0.00	e0.00	e5.0	69	46	272	113
25	e36	e16	e8.7	e1.7	e0.00	e0.00	e0.00	e8.0	68	243	311	110
26	e35	e15	e8.3	e1.5	e0.00	e0.00	e0.00	e14	66	1940	366	106
27	e33	e15	e8.0	e1.4	e0.00	e0.00	e0.00	e25	62	606	356	e102
28	e32	e15	e7.6	e1.3	e0.00	e0.00	e0.00	e48	60	332	307	e100
29	e31	e15	e7.4	e1.2	---	e0.00	e0.00	e100	58	248	264	107
30	e30	e14	e7.0	e1.1	---	e0.00	e0.00	e200	54	218	237	107
31	e29	---	e6.7	e1.1	---	e0.00	---	e440	---	200	215	---
TOTAL	2411	595	342.9	98.2	10.30	0.00	0.00	852.10	9562	5506	7688	7014
MEAN	77.8	19.8	11.1	3.17	0.37	0.000	0.000	27.5	319	178	248	234
MAX	279	28	14	6.3	1.0	0.00	0.00	440	1500	1940	457	902
MIN	29	14	6.7	1.1	0.00	0.00	0.00	0.00	54	39	125	100
AC-FT	4780	1180	680	195	20	0.00	0.00	1690	18970	10920	15250	13910
CFSM	1.06	0.27	0.15	0.04	0.01	0.00	0.00	0.37	4.34	2.42	3.38	3.19
IN.	1.22	0.30	0.17	0.05	0.01	0.00	0.00	0.43	4.85	2.79	3.90	3.55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2003, BY WATER YEAR (WY)

MEAN	49.8	15.1	8.05	3.93	2.38	1.85	2.90	196	220	108	196	157
MAX	88.5	30.0	17.3	12.1	9.07	7.13	9.32	378	319	184	435	234
(WY)	1999	1999	1999	1999	1999	1999	1998	1998	2003	1995	1998	2003
MIN	16.2	2.28	1.41	0.12	0.000	0.000	0.000	27.5	128	54.7	52.8	71.7
(WY)	1997	1998	2002	2001	2001	2001	2001	2003	1997	1996	2002	1996

e Estimated

15564879 SLATE CREEK AT COLDFOOT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1995 - 2003	
ANNUAL TOTAL	26501.90		34079.50			
ANNUAL MEAN	72.6		93.4		76.3	
HIGHEST ANNUAL MEAN					93.4 2003	
LOWEST ANNUAL MEAN					65.9 2000	
HIGHEST DAILY MEAN	1330	May 26	1940	Jul 26	a2850	May 26 1998
LOWEST DAILY MEAN	b0.00	Jan 21	c0.00	Feb 22	0.00	Jan 13 2001
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 21	0.00	Feb 22	0.00	Jan 13 2001
MAXIMUM PEAK FLOW			2950	Jul 26	f4930	May 26 1998
MAXIMUM PEAK STAGE			18.52	Jul 26	19.73	May 26 1998
ANNUAL RUNOFF (AC-FT)	52570		67600		55310	
ANNUAL RUNOFF (CFSM)	0.99		1.27		1.04	
ANNUAL RUNOFF (INCHES)	13.43		17.27		14.13	
10 PERCENT EXCEEDS	183		263		197	
50 PERCENT EXCEEDS	20		16		18	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

a Revised in 1999 from 2740 ft³/s

b From Jan. 21 to Apr 25

c From Feb. 22 to May 10

f From rating curve extended above 2,190 ft³/s on basis of slope-area measurement at discharge 4,700 ft³/s, gage height 19.6 ft, at previous site 60 ft downstream

15564879 SLATE CREEK AT COLDFOOT—Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	0.0	---
23	---	---	---	---	---	---	---	---	---	1.5	0.0	0.5
24	---	---	---	---	---	---	---	---	---	---	0.0	---
25	---	---	---	---	---	---	---	---	---	---	0.0	1.0
26	---	---	---	---	---	---	---	---	---	1.5	0.0	0.5
27	---	---	---	---	---	---	---	---	---	0.5	0.0	0.5
28	---	---	---	---	---	---	---	---	---	1.0	0.0	---
29	---	---	---	---	---	---	---	---	---	---	0.0	---
30	---	---	---	---	---	---	---	---	---	---	0.0	---
31	---	---	---	---	---	---	---	---	---	---	0.0	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	3.0	0.5	1.5	10.5	7.5	9.0	9.0	5.0	7.0	7.0	5.5	6.0
2	2.5	0.5	1.5	9.5	8.0	8.5	7.5	5.5	6.0	6.0	4.5	5.0
3	2.5	1.0	1.5	9.5	6.0	7.5	8.5	5.0	6.5	5.5	4.0	4.5
4	5.0	0.5	2.5	10.0	6.0	8.0	10.5	5.5	7.5	5.5	4.0	4.5
5	6.0	1.0	3.5	12.5	6.5	9.0	10.5	6.5	8.0	5.0	3.5	4.5
6	5.0	2.0	3.5	13.5	7.0	10.0	10.5	5.0	7.5	5.0	1.5	3.0
7	5.0	2.5	3.5	11.5	8.0	9.5	11.0	5.0	7.5	5.0	3.0	4.0
8	8.0	2.0	4.5	14.0	7.0	10.5	10.0	4.5	7.5	5.0	3.5	4.0
9	8.5	1.5	5.0	13.5	7.5	11.0	10.5	4.5	7.5	5.5	3.5	4.0
10	---	2.5	---	12.5	9.0	10.5	12.0	6.5	9.0	3.5	2.0	2.0
11	9.5	---	---	13.5	9.0	11.0	10.5	8.5	9.0	4.0	2.0	2.5
12	9.0	3.0	6.0	12.0	8.0	10.0	9.0	7.5	8.0	3.0	0.5	2.0
13	9.0	3.0	6.0	11.0	8.5	9.5	8.5	6.5	7.0	4.0	1.0	2.0
14	9.5	2.5	6.0	10.5	9.0	9.5	9.0	6.0	7.0	2.5	0.0	1.0
15	10.0	3.5	7.0	9.0	6.5	8.0	8.5	6.0	7.0	2.5	0.0	1.0
16	10.0	4.0	7.0	9.5	5.5	7.5	8.0	6.5	7.0	3.0	0.0	1.5
17	9.5	5.0	7.0	9.5	6.0	7.5	7.5	5.5	6.5	1.5	0.0	0.5
18	10.5	5.0	7.5	12.0	5.0	8.0	8.5	4.0	6.5	1.0	0.0	0.5
19	11.0	4.5	7.5	13.0	6.0	9.5	8.5	3.5	6.0	---	0.0	0.5
20	11.0	5.0	8.0	13.0	7.0	10.0	8.0	3.5	6.0	1.5	0.0	0.5
21	11.5	5.0	8.5	14.0	7.5	10.5	8.5	4.5	6.5	1.0	0.0	0.0
22	12.0	5.5	8.5	12.0	8.5	9.5	9.0	5.5	7.0	1.0	0.0	0.0
23	12.5	5.5	9.0	11.5	7.5	9.0	7.0	5.0	6.0	1.0	0.0	0.5
24	10.5	7.0	9.0	10.5	8.5	9.5	6.5	5.0	5.5	1.0	0.0	0.5
25	10.5	7.0	8.5	10.0	7.0	9.0	6.0	4.5	5.0	1.0	0.0	0.5
26	12.5	5.5	8.5	7.5	5.5	6.5	7.0	5.0	6.0	1.0	0.0	0.5
27	11.5	7.0	9.5	8.0	4.5	6.0	7.5	5.0	6.0	1.0	0.0	0.0
28	11.5	7.5	9.5	9.0	4.0	6.5	8.0	4.5	6.0	0.5	0.0	0.0
29	11.5	7.5	10.0	8.0	5.0	6.5	9.0	4.0	6.5	2.0	0.5	1.5
30	11.5	7.5	9.5	7.0	5.5	6.0	8.0	5.0	6.5	3.0	1.5	2.5
31	---	---	---	6.5	5.0	6.0	7.0	4.5	6.0	---	---	---
MONTH	---	---	---	14.0	4.0	8.7	12.0	3.5	6.8	---	0.0	---

1556540 ANVIK RIVER NEAR ANVIK

LOCATION.--Lat 63°47'22", long 160°41'49", in NW¹/₄ NW¹/₄ SE¹/₄ sec. 10, T.31 N., R.61 W. (Holy Cross D-4 quad), Hydrologic Unit 190401801, on the right bank, approximately 25 river mi upstream from mouth, 18 mi northwest of Anvik.

DRAINAGE AREA.-- Pending

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 2001 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 160 ft above sea level from topographic map.

REMARKS.--Records good, except for estimated daily discharges, which are poor. GOES satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	e3100	2040	e2200
2	---	---	---	---	---	---	---	---	---	e3100	1910	e2200
3	---	---	---	---	---	---	---	---	---	e3200	e1800	e2100
4	---	---	---	---	---	---	---	---	---	e3300	e1700	e2200
5	---	---	---	---	---	---	---	---	---	e3200	e1700	e3300
6	---	---	---	---	---	---	---	---	---	e3000	e1600	e5400
7	---	---	---	---	---	---	---	---	---	e2800	e1600	e6600
8	---	---	---	---	---	---	---	---	---	e2700	e1500	e6100
9	---	---	---	---	---	---	---	---	---	e2700	e1800	e5500
10	---	---	---	---	---	---	---	---	---	e2800	e2000	e5000
11	---	---	---	---	---	---	---	---	---	e3100	e2100	e4500
12	---	---	---	---	---	---	---	---	---	3280	e2000	4220
13	---	---	---	---	---	---	---	---	---	3190	e2200	3930
14	---	---	---	---	---	---	---	---	---	3030	e2700	3660
15	---	---	---	---	---	---	---	---	---	2920	e3300	3450
16	---	---	---	---	---	---	---	---	---	3080	e3700	3270
17	---	---	---	---	---	---	---	---	---	3380	e3600	3090
18	---	---	---	---	---	---	---	---	---	3200	e3400	2950
19	---	---	---	---	---	---	---	---	---	3160	e3300	2830
20	---	---	---	---	---	---	---	---	---	3810	e3500	2720
21	---	---	---	---	---	---	---	---	---	4030	e3800	2620
22	---	---	---	---	---	---	---	---	---	3770	e3700	2500
23	---	---	---	---	---	---	---	---	---	3440	e3500	2370
24	---	---	---	---	---	---	---	---	---	3180	e3200	2260
25	---	---	---	---	---	---	---	---	---	2990	e2900	2130
26	---	---	---	---	---	---	---	---	---	2840	e2700	2020
27	---	---	---	---	---	---	---	---	---	2740	e2500	1930
28	---	---	---	---	---	---	---	---	---	2620	e2400	1890
29	---	---	---	---	---	---	---	---	---	2430	e2300	1890
30	---	---	---	---	---	---	---	---	---	2300	e2200	1780
31	---	---	---	---	---	---	---	---	---	2190	e2100	---
TOTAL	---	---	---	---	---	---	---	---	---	94580	78750	96610
MEAN	---	---	---	---	---	---	---	---	---	3051	2540	3220
MAX	---	---	---	---	---	---	---	---	---	4030	3800	6600
MIN	---	---	---	---	---	---	---	---	---	2190	1500	1780
MED	---	---	---	---	---	---	---	---	---	3100	2300	2770
AC-FT	---	---	---	---	---	---	---	---	---	187600	156200	191600

e Estimated

15565400 ANVIK RIVER NEAR ANVIK—Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1690	e700	e380	e260	e210	e190	e160	e190	4660	1200	919	543
2	1670	e700	e360	e260	e210	e190	e160	e200	4510	1130	848	538
3	1630	e680	e360	e250	e210	e190	e160	e220	4840	1110	791	532
4	2010	e660	e360	e250	e210	e180	e160	e240	4870	1140	753	565
5	2490	e640	e340	e250	e210	e180	e160	e260	4410	1110	722	677
6	2300	e640	e340	e250	e210	e180	e160	e280	4050	1050	692	833
7	2090	e620	e340	e250	e200	e180	e160	e300	3710	1030	668	935
8	1900	e600	e340	e240	e200	e180	e160	e320	3540	1010	660	1180
9	1790	e580	e320	e240	e200	e180	e160	e360	3300	988	656	1270
10	1680	e560	e320	e240	e200	e180	e160	e400	3250	958	667	1170
11	e1500	e540	e320	e240	e200	e180	e160	e440	3170	949	718	1080
12	e1450	e540	e320	e240	e200	e180	e160	e500	3390	941	710	1240
13	e1300	e540	e300	e240	e200	e180	e160	e560	3440	936	665	2420
14	e1250	e520	e300	e230	e200	e180	e160	e660	3200	940	638	3410
15	e1200	e520	e300	e230	e200	e180	e160	e800	2960	947	622	2850
16	e1150	e500	e300	e230	e190	e170	e160	e1000	2920	916	614	2410
17	e1100	e500	e290	e230	e190	e170	e160	e1400	2850	879	609	2020
18	e1050	e480	e290	e230	e190	e170	e160	e1800	2730	863	621	1770
19	e1000	e480	e290	e220	e190	e170	e160	e2400	2580	874	631	1610
20	e1000	e460	e280	e220	e190	e170	e160	e3400	2350	848	656	1540
21	e960	e460	e280	e220	e190	e170	e160	e5000	2100	820	669	1480
22	e940	e440	e280	e220	e190	e170	e160	e7000	1860	796	642	1360
23	e920	e440	e280	e220	e190	e170	e160	e10000	1700	787	611	1310
24	e880	e420	e270	e220	e190	e170	e160	e15000	1600	789	588	1360
25	e860	e420	e270	e220	e190	e170	e160	16900	1490	826	577	1400
26	e840	e400	e270	e220	e190	e170	e160	13900	1440	913	587	1420
27	e800	e400	e270	e220	e190	e170	e170	13900	1480	1050	579	1980
28	e760	e400	e270	e220	e190	e170	e170	12500	1420	1300	568	4530
29	e720	e380	e260	e220	---	e170	e170	9340	1330	1250	559	5360
30	e720	e380	e260	e220	---	e170	e180	7260	1270	1150	552	5740
31	e700	---	e260	e210	---	e170	---	5730	---	1010	547	---
TOTAL	40350	15600	9420	7210	5530	5450	4850	132260	86420	30510	20339	54533
MEAN	1302	520	304	233	198	176	162	4266	2881	984	656	1818
MAX	2490	700	380	260	210	190	180	16900	4870	1300	919	5740
MIN	700	380	260	210	190	170	160	190	1270	787	547	532
MED	1150	510	300	230	200	170	160	1000	2940	949	642	1380
AC-FT	80030	30940	18680	14300	10970	10810	9620	262300	171400	60520	40340	108200

SUMMARY STATISTICS

FOR 2002 WATER YEAR

ANNUAL TOTAL	412472
ANNUAL MEAN	1130
HIGHEST ANNUAL MEAN	
LOWEST ANNUAL MEAN	
HIGHEST DAILY MEAN	16900 May 25
LOWEST DAILY MEAN	a160 Apr 1
ANNUAL SEVEN-DAY MINIMUM	160 Apr 1
MAXIMUM PEAK FLOW	20700 May 25
MAXIMUM PEAK STAGE	27.40 May 25
INSTANTANEOUS LOW FLOW	160 Apr 1
ANNUAL RUNOFF (AC-FT)	818100
10 PERCENT EXCEEDS	2530
50 PERCENT EXCEEDS	540
90 PERCENT EXCEEDS	170

a From Apr. 1 to Apr. 26
e Estimated

15565400 ANVIK RIVER NEAR ANVIK—Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5230	e1700	e780	e400	e250	e220	e210	4040	7930	3190	2910	3760
2	4410	e1600	e780	e380	e250	e220	e210	5430	8410	4000	2710	3540
3	3880	e1600	e760	e380	e250	e220	e210	7340	8020	4490	2560	3380
4	3480	e1500	e740	e380	e260	e220	e210	7410	7230	4110	2500	3300
5	3160	e1500	e760	e360	e260	e220	e210	6390	7090	3520	2330	3350
6	2960	e1400	e760	e360	e250	e220	e210	5250	6730	3180	2160	3270
7	2890	e1400	e700	e360	e250	e220	e210	4830	6370	2930	2040	3060
8	2950	e1400	e680	e360	e250	e220	e220	5800	5920	2750	2230	2920
9	2840	e1300	e660	e340	e230	e220	e220	9700	5570	2610	2350	2820
10	2600	e1300	e640	e340	e230	e220	e220	12400	5960	2460	2080	2720
11	2530	e1300	e600	e340	e230	e210	e220	8910	5670	2350	1980	2630
12	2840	e1200	e600	e320	e230	e210	e220	5980	6100	2360	2160	2590
13	2950	e1200	e580	e320	e230	e210	e230	5780	6080	2270	2730	2760
14	2830	e1200	e580	e320	e230	e210	e250	5100	5360	2060	3470	2680
15	2750	e1200	e560	e300	e230	e210	e280	4060	4530	1980	5130	2460
16	2640	e1100	e540	e300	e230	e210	e320	3370	3940	2220	6100	2310
17	e2200	e1100	e540	e300	e230	e210	e360	3200	3750	2210	4820	2210
18	e1900	e1100	e520	e300	e230	e210	e420	3490	3490	1940	4040	2100
19	e1800	e1000	e520	e280	e230	e210	e500	4100	3640	1740	3770	2010
20	e1700	e1000	e500	e280	e230	e210	e580	5250	4000	1600	3570	1920
21	e1700	e1000	e500	e280	e230	e210	e680	6280	3770	1500	3360	1800
22	e1800	e980	e480	e280	e230	e210	e800	6630	3430	1460	3130	1700
23	e1900	e960	e480	e280	e230	e210	e960	6000	3380	1490	3000	1630
24	e2000	e960	e460	e280	e230	e210	e1200	5210	4000	1770	3150	1620
25	e2000	e1000	e460	e260	e230	e210	e1500	5020	4130	2350	3730	1550
26	e1900	e1000	e440	e260	e220	e210	e1900	4690	3470	2510	4650	1520
27	e1900	e960	e440	e260	e220	e210	e2400	5400	3130	3250	4810	1470
28	e1800	e860	e420	e260	e220	e210	e4600	5680	2970	5800	4360	1440
29	e1800	e820	e420	e260	---	e210	4680	6510	2940	4470	3910	1460
30	e1700	e800	e400	e260	---	e210	3700	6870	2920	3490	3640	1540
31	e1700	---	e400	e260	---	e210	---	7260	---	3160	3540	---
TOTAL	78740	35440	17700	9660	6590	6610	27930	183380	149930	85220	102920	71520
MEAN	2540	1181	571	312	235	213	931	5915	4998	2749	3320	2384
MAX	5230	1700	780	400	260	220	4680	12400	8410	5800	6100	3760
MIN	1700	800	400	260	220	210	210	3200	2920	1460	1980	1440
MED	2530	1150	540	300	230	210	300	5680	4330	2460	3150	2380
AC-FT	156200	70300	35110	19160	13070	13110	55400	363700	297400	169000	204100	141900

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)#

MEAN	1921	851	437	272	216	195	546	5091	3939	2261	2172	2474
MAX	2540	1181	571	312	235	213	931	5915	4998	3051	3320	3220
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2001	2003	2001
MIN	1302	520	304	233	198	176	162	4266	2881	984	656	1818
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR	FOR 2003 WATER YEAR	WATER YEARS 2001 - 2003#
ANNUAL TOTAL	478982	775640	
ANNUAL MEAN	1312	2125	1628
HIGHEST ANNUAL MEAN			2125
LOWEST ANNUAL MEAN			1130
HIGHEST DAILY MEAN	16900	12400	16900
LOWEST DAILY MEAN	a160	b210	a160
ANNUAL SEVEN-DAY MINIMUM	160	210	160
MAXIMUM PEAK FLOW		13200	20700
MAXIMUM PEAK STAGE		25.53	27.40
ANNUAL RUNOFF (AC-FT)	950100	1538000	1179000
10 PERCENT EXCEEDS	2960	5240	4130
50 PERCENT EXCEEDS	668	1600	721
90 PERCENT EXCEEDS	170	220	190

See Period of Record: partial year used in monthly statistics

a From Apr. 1 to Apr. 26

b From Mar. 3 to Apr. 7

e Estimated

15565447 YUKON RIVER AT PILOT STATION

LOCATION.--Lat 61°56'04", long 162°52'50", in SW¹/₄ SE¹/₄ sec. 5, T.21 N., R.74 W. (Marshall D-3 quad), Hydrologic Unit 19040805, on the right bank, .2 mi downstream from village of Pilot Station, 2.4 mi downstream from Atchuelinguk River, and 19 mi upstream from Andraefsky River.

DRAINAGE AREA.--321,000 mi² approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1975 to September 1996, April 2001 to current year.

REVISED RECORDS.--WRD-AK-99-1: 1998.

GAGE.--Water-stage recorder. Elevation of gage is 20 ft above sea level from topographic map.

REMARKS.--Records fair, except for estimated daily discharges, which are poor. GOES satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	360000	e261000	e110000	e75000	e58000	e52000	e48000	e55000	432000	429000	421000	396000
2	352000	e259000	e100000	e70000	e58000	e52000	e48000	e60000	428000	420000	417000	397000
3	345000	e257000	e100000	e70000	e58000	e52000	e48000	e70000	423000	410000	414000	398000
4	338000	e256000	e95000	e70000	e58000	e52000	e48000	e80000	420000	401000	407000	400000
5	332000	e254000	e95000	e70000	e58000	e52000	e48000	e90000	418000	393000	411000	402000
6	326000	e252000	e95000	e70000	e58000	e52000	e48000	e100000	418000	386000	415000	404000
7	323000	e250000	e90000	e70000	e58000	e52000	e48000	e130000	422000	378000	415000	408000
8	320000	e248000	e90000	e70000	e58000	e52000	e48000	e153000	430000	370000	419000	412000
9	314000	e245000	e90000	e70000	e56000	e52000	e48000	e183000	441000	360000	421000	419000
10	311000	e240000	e85000	e70000	e56000	e52000	e48000	e215000	455000	352000	420000	425000
11	307000	e235000	e85000	e65000	e56000	e52000	e48000	e260000	472000	346000	414000	432000
12	305000	e230000	e85000	e65000	e56000	e52000	e48000	e300000	490000	344000	411000	439000
13	303000	e225000	e85000	e65000	e56000	e52000	e48000	e340000	506000	343000	407000	447000
14	300000	e220000	e85000	e65000	e56000	e52000	e48000	e390000	518000	360000	402000	455000
15	296000	e215000	e80000	e65000	e56000	e52000	e48000	e440000	527000	365000	396000	459000
16	292000	e210000	e80000	e65000	e56000	e50000	e48000	495000	532000	370000	388000	462000
17	284000	e205000	e80000	e65000	e56000	e50000	e48000	506000	537000	380000	379000	462000
18	276000	e200000	e80000	e60000	e54000	e50000	e48000	512000	541000	378000	372000	460000
19	e270000	e195000	e80000	e60000	e54000	e50000	e48000	508000	541000	382000	366000	457000
20	e269000	e194000	e80000	e60000	e54000	e50000	e48000	498000	539000	387000	361000	452000
21	e266000	e193000	e80000	e60000	e54000	e50000	e48000	485000	537000	387000	357000	446000
22	e266000	e191000	e75000	e60000	e54000	e50000	e48000	474000	533000	388000	353000	438000
23	e266000	e190000	e75000	e60000	e54000	e49000	e48000	466000	527000	392000	351000	431000
24	e265000	e189000	e75000	e60000	e54000	e49000	e48000	460000	519000	401000	352000	423000
25	e264000	e186000	e75000	e60000	e54000	e49000	e48000	454000	510000	407000	356000	412000
26	e265000	e183000	e75000	e60000	e54000	e49000	e48000	448000	500000	415000	363000	400000
27	e266000	e170000	e75000	e60000	e54000	e49000	e50000	449000	488000	421000	372000	387000
28	e265000	e150000	e75000	e60000	e54000	e49000	e50000	448000	473000	423000	379000	376000
29	e264000	e130000	e75000	e60000	---	e49000	e50000	445000	458000	425000	385000	361000
30	e262000	e120000	e75000	e60000	---	e49000	e55000	441000	443000	423000	391000	349000
31	e261000	---	e75000	e60000	---	e49000	---	437000	---	423000	394000	---
TOTAL	9133000	6353000	2600000	2000000	1562000	1571000	1453000	10392000	14478000	12059000	12109000	12609000
MEAN	294600	211800	83870	64520	55790	50680	48430	335200	482600	389000	390600	420300
MAX	360000	261000	110000	75000	58000	52000	55000	512000	541000	429000	421000	462000
MIN	261000	120000	75000	60000	54000	49000	48000	55000	418000	343000	351000	349000
AC-FT18120000	12600000	5157000	3967000	3098000	3116000	2882000	20610000	28720000	23920000	24020000	25010000	
CFSM	0.92	0.66	0.26	0.20	0.17	0.16	0.15	1.04	1.50	1.21	1.22	1.31
IN.	1.06	0.74	0.30	0.23	0.18	0.18	0.17	1.20	1.68	1.40	1.40	1.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2003, BY WATER YEAR (WY)#

MEAN	253800	130500	76220	61640	53230	48190	46210	275200	578700	447900	394300	362700
MAX	335900	211800	94840	76000	65360	56770	55000	501700	844600	563500	515800	481300
(WY)	1991	2003	1986	1994	1994	1980	1989	1991	1985	1992	1981	1994
MIN	170600	72500	50000	50000	38380	35160	38430	100200	364400	314000	315000	252700
(WY)	1979	1989	1988	1988	1984	1984	1976	1985	1978	1996	1990	1976

SUMMARY STATISTICS FOR 2002 CALENDAR YEAR FOR 2003 WATER YEAR WATER YEARS 1976 - 2003#

ANNUAL TOTAL	83865000	86319000										
ANNUAL MEAN	229800	236500								227100		
HIGHEST ANNUAL MEAN										253700		1994
LOWEST ANNUAL MEAN										185300		1978
HIGHEST DAILY MEAN			884000	May 26	a541000	Jun 18	b1100000	Jun 5 1985				
LOWEST DAILY MEAN			c38000	Mar 29	d48000	Apr 1	f35000	Feb 23 1984				
ANNUAL SEVEN-DAY MINIMUM			38000	Mar 29	48000	Apr 1	35000	Feb 23 1984				
MAXIMUM PEAK FLOW					a543000	Jun 18	1070000	Jun 9 1985				
MAXIMUM PEAK STAGE					a22.66	Jun 18	g27.50	Jun 9 1985				
MAXIMUM PEAK STAGE							h36.25	May 25 1989				
ANNUAL RUNOFF (AC-FT)	166300000	171200000							164500000			
ANNUAL RUNOFF (CFSM)		0.72				0.74			0.71			
ANNUAL RUNOFF (INCHES)		9.72				10.00			9.61			
10 PERCENT EXCEEDS		441000				453000			500000			
50 PERCENT EXCEEDS		225000				245000			130000			
90 PERCENT EXCEEDS		40000				50000			48000			

See Period of Record, partial years used in monthly statistics

a Jun. 18-19

b Jun. 5-8, 1985

c Mar. 29 to Apr. 24

d Apr. 1-26

e Estimated

f Feb. 23 to Mar. 27, 1984

g Maximum recorded, but may have been higher during period of estimated discharge, Jun. 5-8, 1985

h Backwater from ice

15565447 YUKON RIVER AT PILOT STATION—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1954-1956, 1975-96 AND April 2001 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: 1976 and 1978, (seasonal).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Locatn in X-sect. looking dwnstrm ft from l bank (00009)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temper- ature, water, deg C (00010)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)
MAR 2003								
25...	1850	709	327	7.0	.0	766	3.6	25
25...	1840	1180	324	7.0	.0	766	3.5	24
25...	1815	1390	323	7.0	.0	766	3.6	24
25...	2040	1630	320	7.0	.0	766	3.6	25
25...	1918	1800	309	7.0	.0	766	3.7	25
MAY								
28...	1530	710	156	7.5	7.5	762	10.0	83
28...	1540	1210	156	7.5	7.5	762	10.0	83
28...	1545	1610	156	7.5	7.5	762	10.0	83
28...	1547	1910	155	7.6	7.5	762	10.0	83
28...	1549	2260	149	7.6	7.5	762	10.1	84
JUN								
17...	1900	2150	165	8.0	15.0	755	8.6	86
17...	1905	1850	165	7.8	15.0	755	8.0	80
17...	1908	1600	165	7.7	15.0	755	8.0	80
17...	1910	1220	165	7.8	15.0	755	8.0	80
17...	1912	700	165	7.8	15.0	755	8.0	80
JUL								
10...	2010	2000	196	7.7	17.5	764	8.9	93
10...	2013	1850	197	7.7	17.5	764	8.8	92
10...	2015	1600	206	7.7	17.5	764	8.7	91
10...	2018	1220	207	7.7	17.5	764	8.6	90
10...	2021	700	208	7.7	17.5	764	8.6	90
JUL								
24...	2110	650	222	8.0	16.5	757	9.0	93
24...	2112	1050	221	8.0	16.5	757	8.9	92
24...	2114	1400	222	8.1	16.5	757	8.9	92
24...	2116	1700	222	8.1	16.5	757	8.9	92
24...	2118	2000	220	8.1	16.5	757	8.9	92
AUG								
19...	1830	650	218	7.6	14.5	755	9.2	91
19...	1833	1050	218	7.6	14.5	755	9.1	90
19...	1836	1400	217	7.7	14.5	755	9.1	90
19...	1840	1700	217	7.7	14.5	755	9.1	90
19...	1843	2000	203	7.7	14.5	755	9.1	90
SEP								
23...	1900	2120	209	7.9	6.5	751	11.0	91
23...	1903	1820	213	8.0	6.5	751	11.0	91
23...	1905	1500	212	7.9	6.5	751	11.0	91
23...	1907	1130	213	7.9	6.5	751	10.9	90
23...	1910	600	213	7.9	6.5	751	10.9	90

Date	Time	Medium code	Sample type	Stream width, feet (00004)	Gage height, feet (00065)	Instan- taneous dis- charge cfs (00061)	Sam- pling method, code (82398)	Sampler type, code (84164)	Type of sample related QA data, code (99111)	Specif. conduc- tance, wat unf uS/cm 25 deg C (00095)	pH water unfltrd field, std units (00400)	Tempera- ture air, deg C (00020)	Tempera- ture, water deg C (00010)
MAR													
25...	1900	9	9	1990	--	54300	20	3060	30	323	7.0	-8.4	.0
MAY													
28...	1440	9	9	2410	19.59	447000	20	3055	30	156	7.5	11.0	7.5
JUN													
17...	1720	9	9	2600	22.53	539000	20	3055	30	165	7.8	18.0	15.0
JUL													
10...	1820	9	9	2200	17.80	350000	20	3055	30	206	7.7	14.0	17.5
24...	1950	9	9	2300	18.19	404000	20	3055	100	222	8.1	15.0	16.5
AUG													
19...	1710	9	7	2300	18.32	364000	20	3055	100	217	7.7	15.5	14.5
SEP													
23...	1800	9	9	2400	18.98	429000	20	3055	30	213	7.9	5.0	6.5

15565447 YUKON RIVER AT PILOT STATION—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Turbidity lab, Hach 2100AN NTU (99872)	UV absorbance 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Baro- metric pres- sure mm Hg (00025)	Dis- solved oxygen mg/L (00300)	Dis- solved oxygen percent of sat- uration (00301)	Hard- ness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, field, mg/L as CaCO3 (00410)	Potas- sium, water, fltrd, mg/L (00935)	Bicar- bonate, wat flt incrm titr., field, mg/L (00453)
MAR													
25...	13	.069	.051	766	3.6	25	150	44.0	10.5	3.50	128	1.20	160
MAY													
28...	72	.458	.345	762	10.0	83	81	23.7	5.12	1.93	62	.97	74
JUN													
17...	150	.372	.279	755	8.0	80	82	24.2	5.09	1.64	68	.90	80
JUL													
10...	150	.183	.136	764	8.6	90	100	29.0	7.15	2.60	71	1.15	86
24...	E270	.149	.109	757	8.9	92	110	30.1	7.65	2.67	72	1.31	87
AUG													
19...	200	.183	.135	755	9.1	90	100	28.9	7.55	2.98	73	1.47	89
SEP													
23...	49	.284	.210	751	11.0	91	110	29.6	7.88	2.53	75	.93	92

Date	Carbon- ate, wat flt incrm. titr., field mg/L (00452)	Alka- linity inc tit field, mg/L as CaCO3 (39086)	Sulfate water, fltrd, mg/L (00945)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue water, fltrd, sum of consti- tuents mg/L (70301)	Nitrite water, fltrd, mg/L as N (00613)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia + org-N water, fltrd mg/L as N (00623)
MAR													
25...	.0	131	28.4	.90	.12	11.4	201	179	--	--	--	.19	.19
MAY													
28...	.0	60	16.7	1.05	<.2	4.87	112	92	.005	.083	<.015	.67	.36
JUN													
17...	.0	66	16.5	.60	<.2	4.74	112	94	E.002	.057	<.015	.81	.28
JUL													
10...	.0	70	27.2	1.31	<.2	6.29	130	118	E.002	.082	<.015	.55	.14
24...	.0	71	31.2	.99	<.2	6.04	140	123	--	--	--	--	--
AUG													
19...	.0	74	29.6	1.09	<.2	6.79	114	123	<.002	.079	<.015	.40	.17
SEP													
23...	.0	75	29.5	.83	<.2	7.11	155	125	<.002	.094	<.015	.42	.24

Date	Phos- phorus, water, unfltrd mg/L (00665)	Phos- phorus, water, fltrd, mg/L (00666)	Ortho- phosphate, water, fltrd mg/L as P (00671)	Phos- phorus, suspnd sedimnt total, percent (30292)	Alum- inum, suspnd sedimnt total percent (30221)	Alum- inum, water fltrd, ug/L (01106)	Anti- mony, suspnd sedimnt total, ug/g (29816)	Anti- mony, water, fltrd, ug/L (01095)	Arsenic suspnd sedimnt total, ug/g (29818)	Arsenic water, fltrd, ug/L (01000)	Barium, suspnd sedimnt total, ug/g (29820)	Barium, water, fltrd, ug/L (01005)	Beryll- ium, suspnd sedimnt total, ug/g (29822)
MAR													
25...	.022	.006	--	--	--	3	--	<.30	--	.5	--	86	--
MAY													
28...	.28	.013	E.004	.095	7.0	21	1.1	E.18	12	.7	920	35	2
JUN													
17...	.37	.010	<.007	.073	6.7	18	1.7	E.17	15	.8	710	38	2
JUL													
10...	.24	.011	<.007	.100	7.9	--	1.9	--	18	.9	1100	--	2
24...	E.34	--	--	.090	8.2	12	2.1	E.20	20	.9	1100	44	2
AUG													
19...	.29	.007	<.007	.089	7.3	13	2.1	E.27	17	.9	880	41	1
SEP													
23...	.170	.010	E.005	.080	6.0	16	1.4	E.18	15	.9	190	37	1

15565447 YUKON RIVER AT PILOT STATION—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium suspnd sedimnt total, ug/g (29826)	Cadmium water, fltrd, ug/L (01025)	Chrom- ium, suspnd sedimnt total, ug/g (29829)	Chrom- ium, water fltrd ug/L (01030)	Cobalt, suspnd sedimnt total, ug/g (35031)	Cobalt, water, fltrd, ug/L (01035)	Copper, suspnd sedimnt total, ug/g (29832)	Copper, water, fltrd, ug/L (01040)	Iron suspnd sedimnt total, percent (30269)	Iron, water, fltrd, ug/L (01046)	Lead suspnd sedimnt total, ug/g (29836)
MAR													
25...	<.06	12	--	E.02	--	<.8	--	.214	--	.9	--	101	--
MAY													
28...	<.06	8	.8	E.02	110	<.8	15	.138	35	4.5	4.0	303	15
JUN													
17...	<.06	<7	.9	E.03	83	<.8	13	.126	30	4.5	3.0	173	18
JUL													
10...	--	8	.8	--	110	--	20	--	51	--	4.9	126	14
24...	<.06	E6	.6	<.04	110	<.8	20	.100	55	2.5	5.0	43	16
AUG													
19...	<.06	9	.5	<.04	110	<.8	19	.089	49	3.1	4.5	91	16
SEP													
23...	<.06	7	.4	<.04	93	<.8	16	.105	36	2.8	3.8	244	7.0

Date	Lead, water, fltrd, ug/L (01049)	Lithium suspnd sedimnt total, ug/g (35050)	Lithium water, fltrd, ug/L (01130)	Mangan- ese, suspnd sedimnt total, ug/g (29839)	Mangan- ese, water, fltrd, ug/L (01056)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb- denum, suspnd sedimnt total, ug/g (29843)	Molyb- denum, water, fltrd, ug/L (01060)	Nickel, suspnd sedimnt total, ug/g (29845)	Nickel, water, fltrd, ug/L (01065)	Selen- ium, suspnd sedimnt total, ug/g (29847)	Selen- ium, water, fltrd, ug/L (01145)	Silver, suspnd sedimnt total, ug/g (29850)
MAR													
25...	<.08	--	3.1	--	96.8	--	--	.8	--	1.64	--	.6	--
MAY													
28...	.28	31	1.8	790	14.0	.06	2	.6	50	2.54	M	<.5	<.5
JUN													
17...	.17	29	1.9	680	13.0	.02	1	.6	40	1.78	M	E.4	<.5
JUL													
10...	--	37	2.4	960	--	.09	2	--	64	--	M	<.5	<.5
24...	E.07	34	2.5	940	2.0	.09	2	1.0	57	1.26	M	E.5	<.5
AUG													
19...	.22	32	2.8	850	2.9	.07	3	1.0	59	1.81	M	E.4	<.5
SEP													
23...	.10	30	2.4	720	6.9	.06	3	.5	49	1.62	M	E.3	<.5

15565447 YUKON RIVER AT PILOT STATION—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Silver, water, fltrd, ug/L (01075)	Stront- ium, suspnd sedimnt total, ug/g (35040)	Stront- ium, water, fltrd, ug/L (01080)	Thall- ium, suspnd sedimnt total, ug/g (49955)	Titan- ium, suspnd sedimnt total, percent (30317)	Vanad- ium, suspnd sedimnt total, ug/g (29853)	Vanad- ium, water, fltrd, ug/L (01085)	Zinc, suspnd sedimnt total, ug/g (29855)	Zinc, water, fltrd, ug/L (01090)	Uranium suspnd sedimnt total, ug/g (35046)	Uranium natural water, fltrd, ug/L (22703)	Organic carbon, water, fltrd, mg/L (00681)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)
MAR													
25...	<.2	--	195	--	--	--	1.8	--	4	--	.98	2.5	<.1
MAY													
28...	<.2	220	84.2	<50	.420	130	.7	130	2	<50	.50	11.6	<.1
JUN													
17...	<.2	180	93.1	<50	.450	110	.9	120	1	<50	.51	9.4	.2
JUL													
10...	--	240	128	<50	.500	160	.7	140	--	>50	--	5.6	.3
24...	<.2	230	130	<50	.480	150	.6	150	1	>50	.75	4.6	2.0
AUG													
19...	<.2	260	129	<50	.440	140	.8	130	2	<50	.68	5.5	.6
SEP													
23...	<.2	260	120	<50	.350	120	1.1	110	<1	<50	.59	8.7	<.1

Date	Organic carbon, suspnd sedimnt total, mg/L (00689)	Total carbon, suspnd sedimnt total, mg/L (00694)	Total carbon, suspnd sedimnt total, percent (30244)	Organic carbon, suspnd sedimnt percent (50465)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Suspnd. sedimnt conc, flow through cntrfug mg/L (50279)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment load, tons/d (80155)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)
MAR									
25...	.4	.4	--	--	.04	--	4	586	96
MAY									
28...	2.7	2.8	1.8	1.5	.20	--	276	333000	78
JUN									
17...	2.8	3.0	1.7	1.4	.17	405	402	585000	73
JUL									
10...	2.5	2.8	1.9	1.2	.14	222	233	220000	91
24...	6.0	7.9	1.5	1.0	.34	372	374	408000	93
AUG									
19...	3.9	4.5	2.0	1.2	.18	268	275	270000	89
SEP									
23...	2.2	2.3	2.8	2.2	.14	153	152	176000	77