

15356000 YUKON RIVER AT EAGLE
(International Gaging Station)

LOCATION.--Lat 64°47'22", long 141°11'52", in NW¹/₄ sec. 31, T. 1 S., R. 33 E. (Eagle D-1 quad), Hydrologic Unit 19040401, on left bank at Eagle, 0.1 mi upstream from Mission Creek, 1.1 mi downstream from Castalia Creek, and 11 mi downstream from the international boundary.

DRAINAGE AREA.--113,500 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1911 to December 1913, June 1950 to current year. Monthly discharge only for some periods, published in WSP 1372.

GAGE.--Water-stage recorder. Elevation of gage is 850 ft above sea level, from topographic map. See WSP 1936 for history of changes prior to October 1, 1963. Nonrecording gage prior to June 26, 1982 at same site and datum.

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

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	107000	e52000	e33000	e25000	e21000	e18000	e16000	e17000	180000	127000	194000	205000
2	104000	e51000	e33000	e25000	e20000	e18000	e16000	e18000	182000	126000	185000	203000
3	102000	e50000	e32000	e25000	e20000	e17000	e16000	e24000	172000	125000	171000	202000
4	99600	e49000	e32000	e24000	e20000	e17000	e16000	e32000	165000	127000	154000	201000
5	97900	e48000	e32000	e24000	e20000	e17000	e15000	e43000	157000	131000	142000	198000
6	96800	e48000	e31000	e24000	e20000	e17000	e15000	e62000	152000	133000	134000	193000
7	95700	e47000	e31000	e24000	e20000	e17000	e15000	e100000	157000	132000	130000	186000
8	94800	e46000	e31000	e24000	e20000	e17000	e15000	e150000	171000	125000	130000	183000
9	93900	e45000	e30000	e24000	e20000	e17000	e15000	e220000	177000	121000	132000	182000
10	92100	e44000	e30000	e23000	e20000	e17000	e15000	e260000	178000	125000	133000	177000
11	90200	e44000	e30000	e23000	e20000	e17000	e15000	e280000	184000	131000	133000	178000
12	88200	e43000	e29000	e23000	e19000	e17000	e15000	e300000	223000	130000	133000	173000
13	87900	e42000	e29000	e23000	e19000	e17000	e15000	e310000	223000	131000	134000	164000
14	85500	e41000	e29000	e23000	e19000	e16000	e15000	e300000	205000	135000	140000	155000
15	81700	e41000	e29000	e23000	e19000	e16000	e15000	e290000	193000	138000	149000	147000
16	77900	e40000	e28000	e23000	e19000	e16000	e15000	e280000	182000	135000	151000	140000
17	76300	e39000	e28000	e22000	e19000	e16000	e15000	e250000	171000	136000	153000	135000
18	e75000	e39000	e28000	e22000	e19000	e16000	e15000	e220000	160000	136000	155000	130000
19	e73000	e38000	e28000	e22000	e19000	e16000	e15000	e200000	153000	134000	159000	126000
20	e71000	e38000	e27000	e22000	e19000	e16000	e15000	e190000	148000	138000	163000	124000
21	e69000	e37000	e27000	e22000	e18000	e16000	e15000	e180000	147000	141000	169000	121000
22	e67000	e37000	e27000	e22000	e18000	e16000	e16000	e170000	147000	136000	182000	119000
23	e65000	e36000	e27000	e22000	e18000	e16000	e16000	173000	143000	131000	201000	116000
24	e63000	e36000	e26000	e22000	e18000	e16000	e16000	173000	139000	128000	208000	113000
25	e62000	e36000	e26000	e21000	e18000	e16000	e16000	175000	137000	127000	215000	111000
26	e60000	e35000	e26000	e21000	e18000	e16000	e16000	174000	136000	134000	221000	109000
27	e59000	e35000	e26000	e21000	e18000	e16000	e16000	171000	136000	157000	223000	107000
28	e57000	e34000	e26000	e21000	e18000	e16000	e16000	167000	135000	160000	226000	104000
29	e56000	e34000	e25000	e21000	---	e16000	e16000	161000	131000	170000	225000	102000
30	e54000	e33000	e25000	e21000	---	e16000	e17000	160000	128000	199000	218000	101000
31	e53000	---	e25000	e21000	---	e16000	---	177000	---	200000	209000	---
TOTAL	2455500	1238000	886000	703000	536000	511000	464000	5427000	4912000	4299000	5272000	4505000
MEAN	79210	41270	28580	22680	19140	16480	15470	175100	163700	138700	170100	150200
MAX	107000	52000	33000	25000	21000	18000	17000	310000	223000	200000	226000	205000
MIN	53000	33000	25000	21000	18000	16000	15000	17000	128000	121000	130000	101000
AC-FT	4870000	2456000	1757000	1394000	1063000	1014000	920300	10760000	9743000	8527000	10460000	8936000
CFSM	0.70	0.36	0.25	0.20	0.17	0.15	0.14	1.54	1.44	1.22	1.50	1.32
IN.	0.80	0.41	0.29	0.23	0.18	0.17	0.15	1.78	1.61	1.41	1.73	1.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2002, BY WATER YEAR (WY)#

MEAN	74590	38130	25710	21040	18790	17200	19260	125000	224000	182300	144900	112900
MAX	133300	62500	38870	30390	28000	25480	41530	201500	456800	269500	200400	187900
(WY)	2001	1953	2001	2001	1977	1977	1990	1993	1964	1992	2000	2000
MIN	45870	24000	13000	9000	7200	7800	8650	61770	120900	108900	88710	70690
(WY)	1959	1959	1951	1951	1951	1956	1956	1964	1953	1998	1998	1998

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

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SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1950 - 2002#	
ANNUAL TOTAL	34890500		31208500			
ANNUAL MEAN	95590		85500		84260	
HIGHEST ANNUAL MEAN					110900	1964
LOWEST ANNUAL MEAN					61020	1958
HIGHEST DAILY MEAN	360000	Jun 18	310000	May 13	545000	Jun 12 1964
LOWEST DAILY MEAN	a21000	Mar 30	b15000	Apr 5	c7200	Feb 1 1951
ANNUAL SEVEN-DAY MINIMUM	21000	Mar 30	15000	Apr 5	7200	Feb 1 1951
MAXIMUM PEAK FLOW			d		545000	Jun 12 1964
MAXIMUM PEAK STAGE			f29.09	May 13	33.85	Jun 12 1964
ANNUAL RUNOFF (AC-FT)	69210000		61900000		61040000	
ANNUAL RUNOFF (CFSM)	0.84		0.75		0.74	
ANNUAL RUNOFF (INCHES)	11.44		10.23		10.09	
10 PERCENT EXCEEDS	228000		184000		199000	
50 PERCENT EXCEEDS	47000		49000		44000	
90 PERCENT EXCEEDS	22000		16000		16000	

See Period of Record; partial years used in monthly statistics

a From Mar. 30 - Apr. 21

b From Apr. 5 - Apr. 21

c Feb. 1-28, 1951

d Not determined, see highest daily mean

f Observed, backwater from ice

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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 2001 TO SEPTEMBER 2002

Date	Time	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLE LOC- ATION, CROSS SECTION (FT FM R BK) (72103)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM HG) (00025)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
MAR									
21...	0930	200	--	--	7.6	.0	765	9.2	--
21...	1022	460	--	--	7.6	.0	765	9.2	--
21...	1034	365	--	--	7.6	.0	765	9.2	--
21...	1054	550	--	--	7.6	.0	765	9.2	--
21...	1115	665	--	--	7.6	.0	765	9.3	--
MAY									
22...	1415	--	340.0	158	8.2	7.5	755	11.7	99
22...	1417	--	560.0	156	8.1	7.7	755	11.7	99
22...	1418	--	770.0	154	8.1	7.7	755	11.8	99
22...	1419	--	930.0	153	8.1	7.7	755	11.8	99
22...	1421	--	1120	153	8.1	7.7	755	11.8	100
JUN									
11...	1516	--	480.0	182	8.1	13.0	750	9.6	93
11...	1518	--	650.0	182	8.1	12.9	750	9.5	92
11...	1519	--	800.0	181	8.1	12.9	750	9.7	93
11...	1520	--	1130	181	8.1	13.0	750	9.6	93
11...	1521	--	980.0	181	8.1	13.0	750	9.7	94
JUL									
10...	1220	--	470.0	225	8.2	16.8	753	--	--
10...	1224	--	650.0	222	8.2	16.9	753	8.8	92
10...	1227	--	810.0	221	8.2	16.9	753	9.2	96
10...	1229	--	950.0	221	8.2	16.9	753	9.0	94
10...	1231	--	1130	221	8.2	16.9	753	--	--
AUG									
01...	1240	--	1120	188	8.0	13.2	765	9.8	94
01...	1242	--	930.0	188	8.1	13.2	765	9.8	94
01...	1244	--	770.0	189	8.1	13.2	765	9.8	93
01...	1246	--	560.0	190	8.1	13.2	765	9.8	94
01...	1250	--	340.0	192	8.1	13.2	765	9.8	93
28...	1311	--	1200	205	7.8	10.5	744	11.4	105
28...	1313	--	950.0	205	7.9	10.5	744	11.2	103
28...	1315	--	800.0	205	7.9	10.5	744	11.4	105
28...	1317	--	650.0	208	8.0	10.5	744	11.3	104
28...	1320	--	440.0	211	8.0	10.5	744	11.3	104
SEP									
25...	1400	--	470.0	222	8.0	6.6	747	11.6	97
25...	1401	--	650.0	222	8.0	6.6	747	11.6	97
25...	1402	--	800.0	222	8.0	6.5	747	11.7	97
25...	1403	--	970.0	221	8.0	6.6	747	11.7	97
25...	1404	--	1150	221	8.1	6.5	747	11.7	97

Date	Time	Medium code	Sample type	STREAM WIDTH (FT) (00004)	GAGE HEIGHT (FEET) (00065)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM- PLING METHOD, CODES (82398)	SAMPLER TYPE (CODE) (84164)	QUALITY ASSUR- ANCE DATA INDICA- TOR CODE (99111)	REP- LICATE TYPE (CODE) (99105)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)
MAR													
21...	1020	9	7	1060	--	16100	20	3060	100	--	265	7.7	-7.0
MAY													
22...	1420	9	9	1370	17.40	177000	20	3055	30	--	154	8.1	--
JUN													
11...	1410	9	9	1480	17.78	183000	20	3055	30	--	182	8.1	--
JUL													
10...	1120	9	9	1360	13.89	126000	20	3055	30	--	222	8.2	--
AUG													
01...	1150	9	7	1500	18.50	195000	20	3055	30	10.00	189	8.1	--
28...	1240	9	9	--	20.30	226000	20	3055	30	--	205	7.9	--
SEP													
25...	1000	9	9	--	12.71	111000	20	3055	100	--	222	8.0	9.5

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	TEMPER- ATURE WATER (DEG C) (00010)	TURBID- ITY LAB HACH 2100AN (NTU) (99872)	UV	UV	BARO-	OXYGEN,		HARD- NESS TOTAL (MG/L AS (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ANC	POTAS-
			ABSORB- ANCE 254 NM, WTR FLT (UNITS (CM) (50624)	ABSORB- ANCE 280 NM, WTR FLT (UNITS (CM) (61726)	METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	DIS- SOLVED (PER- CENT SATUR- ATION) (00301)					WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	SOLIUM, DIS- SOLVED (MG/L AS K) (00935)
MAR	21... .0	1.3	.036	.026	765	9.2	63	130	36.1	9.81	2.73	109	1.11
MAY	22... 8.0	110	.537	.407	755	11.7	100	77	20.9	5.90	1.62	53	1.15
JUN	11... 13.0	83	.228	.170	750	9.6	93	89	24.1	7.06	2.10	62	.98
JUL	10... 16.9	230	--	--	753	8.9	93	110	29.1	8.34	2.69	80	1.46
AUG	01... 13.2	390	.317	.237	765	9.8	94	94	26.0	6.96	2.36	65	1.32
SEP	28... 10.5	150	.212	.156	744	11.3	104	100	27.4	7.97	2.02	70	.93
SEP	25... 6.5	16	--	--	747	11.7	97	110	30.7	8.80	2.33	78	1.01
Date	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ALKA- LINITY WAT DIS FIX END FIELD CACO3 (MG/L) (39036)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTIT- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)
	MAR	21... 133	.0	109	110	31.6	.45	.1	6.98	166	155	<.002	.096
MAY	22... 64	.0	53	--	20.8	.36	E.10	4.73	116	87	.003	.013	<.015
JUN	11... 76	.0	62	--	26.4	.42	E.08	6.09	124	105	<.002	.037	<.015
JUL	10... 95	.0	78	--	33.1	.62	E.11	5.79	129	128	<.002	.024	<.015
AUG	01... 79	.0	64	--	26.0	.40	.16	7.35	125	110	E.002	.036	<.015
SEP	28... 86	.0	70	--	33.8	.34	E.10	6.57	131	122	<.002	.047	<.015
SEP	25... 101	.0	78	--	32.5	.69	.12	6.84	140	133	<.002	.030	<.015
Date	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	ORTHO- PHOS- PHATE, DIS- SOLVED (MG/L AS P) (00671)	NITRO- GEN, TOTAL, SEDIMNT SUSP. (WEIGHT PERCENT) (62845)	PHOS- PHORUS SEDI- MENT SUSP. (MG/L AS P) (30292)	ALUM- INUM SED,SUS PERCENT (30221)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	AN- TIMONY SED. SUSP. (UG/G) (29816)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ARSENIC SED. SUSP. (UG/G) (29818)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)
	MAR	21... E.08	<.10	E.003	E.002	<.007	--	--	--	2	--	.18	--
MAY	22... .75	.41	.49	.010	<.007	.12	.100	6.5	49	1.7	.11	14	.5
JUN	11... .38	.17	.35	.005	<.007	<.10	.100	6.8	30	1.4	.16	10	.5
JUL	10... .18	E.08	.40	<.004	<.007	<.10	.100	6.9	23	2.1	.22	13	.5
AUG	01... .47	.23	1.22	E.004	<.007	<.10	.100	6.3	31	1.4	.18	11	.6
SEP	28... .88	.17	.69	E.003	<.007	<.10	.100	6.3	36	1.4	.20	9.8	.6
SEP	25... 1.1	.11	.089	E.002	<.007	<.10	.090	6.7	17	1.2	.21	7.5	.4
Date	BARIUM SED. SUSP. (UG/G) (29820)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM SED. SUSP. (UG/G) (29822)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM SED. SUSP. (UG/G) (29826)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM SED. SUSP. (UG/G) (29829)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT SEDI- MENT SUSP. (UG/G) (35031)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER SED. SUSP. (UG/G) (29832)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
	MAR	21... --	55	--	<.06	11	--	E.02	--	<.8	--	.07	--
MAY	22... 1300	37	2	<.06	E7	1.1	.06	100	<.8	15	.18	33	3.8
JUN	11... 870	37	1	<.06	E5	.5	E.02	98	<.8	16	.10	33	2.2
JUL	10... 690	41	2	<.06	12	.3	<.04	94	<.8	18	.08	39	1.4
AUG	01... 610	33	1	<.06	12	.3	E.02	91	<.8	15	.15	33	3.5
SEP	28... 910	40	1	<.06	E6	.9	E.03	93	<.8	15	.13	31	2.3
SEP	25... 890	42	2	<.06	8	.3	E.02	150	<.8	15	.10	28	1.6

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	IRON SEDI-MENT SUSP. PERCENT (30269)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD SED. SUSP. (UG/G) (29836)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM SEDI-MENT SUSP. (UG/G) (35050)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MAN-GANESE SED. SUSP. (UG/G) (29839)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY SED. SUSP. (UG/G) (29841)	MOLYB-DENUM SED. SUSP. (UG/G) (29843)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL SED. SUSP. (UG/G) (29845)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
MAR 21...	--	E8	--	<.08	--	2.4	--	1.7	--	--	1.4	--	1.16
MAY 22...	3.6	127	14	.12	29	1.9	860	18.8	.08	3	.7	53	3.33
JUN 11...	3.9	43	13	<.08	24	2.0	840	3.4	.05	3	.8	48	2.02
JUL 10...	4.4	<10	12	<.08	29	3.2	770	.8	.04	2	1.5	45	1.45
AUG 01...	3.9	48	12	<.08	22	2.4	670	5.3	.03	2	1.1	38	2.12
AUG 28...	3.7	40	11	E.05	23	2.4	760	8.2	.19	2	1.0	44	1.88
SEP 25...	3.3	26	17	<.08	21	2.6	740	3.9	.13	10	1.1	90	1.26

Date	SELENIUM SED. SUSP. (UG/G) (29847)	SELENIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER SED. SUSP. (UG/G) (29850)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRONTIUM SEDI-MENT SUSP. (UG/G) (35040)	STRONTIUM, DIS-SOLVED (UG/L AS SR) (01080)	THALIUM SUS SED (UG/G) (49955)	TITANIUM SEDI-MENT SUSP. PERCENT (30317)	VANADIUM SED. SUSP. (UG/G) (29853)	VANADIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC SED. SUSP. (UG/G) (29855)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM SEDI-MENT SUSP. (UG/G) (35046)
MAR 21...	--	.6	--	<1	--	163	--	--	--	<.2	--	3	--
MAY 22...	M	.4	<.5	<1	300	96.0	<50	.420	140	.4	170	4	<50
JUN 11...	M	E.3	<.5	<1	340	111	<50	.460	120	1.0	110	3	<50
JUL 10...	M	.4	M	<1	350	139	<50	.450	130	.8	97	<1	<50
AUG 01...	M	E.3	<.5	<1	340	109	<50	.430	110	.7	75	1	<50
AUG 28...	1	.7	<.5	<1	340	128	<50	.440	130	.5	100	3	<50
SEP 25...	M	E.3	M	<1	460	133	<50	.430	110	.3	120	6	<50

Date	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, INORGANIC, PARTIC. TOTAL (MG/L AS C) (00688)	CARBON, ORGANIC PARTIC. TOTAL (MG/L AS C) (00689)	CARBON, INORG + ORGANIC PARTIC. TOTAL (MG/L AS C) (00694)	CARBON SED. SUSP. PERCENT (30244)	CARBON, ORGANIC SUS-PENDED, TOTAL PERCENT (50465)	NITROGEN, PARTICULATE SUSP (MG/L AS N) (49570)	SEDIMENT SUSP., FLOW-THROUGH CENTRIF (MG/L) (50279)	SEDIMENT, SUS-PENDED (MG/L) (80154)	SEDIMENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAR 21...	1.17	1.6	<.1	.2	.2	--	--	<.02	--	2.0	86.9	--
MAY 22...	.69	13.6	.2	5.6	5.8	2.0	1.4	.41	391	603	288000	74
JUN 11...	.74	6.4	.4	3.5	3.8	1.8	.9	.12	299	282	139000	62
JUL 10...	.87	--	--	--	--	2.8	.5	--	422	399	136000	86
AUG 01...	.78	9.2	12.8	7.8	20.6	2.5	.7	.39	1040	1040	547000	77
AUG 28...	.82	6.3	2.1	9.6	11.7	2.2	.9	.38	670	695	424000	60
SEP 25...	.96	3.8	<.1	.3	.3	2.0	.9	.03	99	116	34800	33

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. Because the Water Survey of Canada computes discharge records by calendar year, data reported here are one year prior to those reported for U.S. gages.

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

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	e3850	e1710	e1220	e1060	e1020	e900	e847	e819	e12600	11800	10200	8900
2	e3670	e1680	e1210	e1060	e1020	e897	e847	e823	e21800	10300	16700	8400
3	e3570	e1660	e1200	e1060	e1010	e893	e851	e826	e32800	9320	19800	8050
4	e3570	e1630	e1190	e1060	e1010	e886	e851	e826	e56500	8790	17800	7910
5	e3530	e1620	e1180	e1070	e1000	e876	e847	e833	e81200	8370	15300	8020
6	e3430	e1600	e1170	e1070	e999	e876	e847	e833	96000	8230	13600	8930
7	e3370	e1580	e1170	e1070	e996	e872	e844	e837	106000	8720	11900	14600
8	e3300	e1560	e1170	e1070	e992	e865	e840	e844	108000	18500	10500	23800
9	e3060	e1550	e1160	e1060	e989	e876	e833	e844	103000	37800	9680	24400
10	e3020	e1510	e1160	e1060	e978	e876	e826	e851	91500	37400	9180	21800
11	e2930	e1480	e1150	e1060	e978	e876	e819	e855	78000	32600	8790	21200
12	e2860	e1460	e1140	e1060	e967	e876	e819	e858	73800	28300	8860	24400
13	e2780	e1450	e1140	e1060	e964	e876	e819	e862	74500	23900	14200	23400
14	e2680	e1430	e1130	e1050	e964	e876	e816	e876	73800	20500	27200	20300
15	e2590	e1420	e1130	e1050	e960	e876	e816	e890	73400	18700	32600	17300
16	e2500	e1400	e1120	e1050	e957	e869	e816	e907	72400	16800	35300	14800
17	e2410	e1390	e1110	e1050	e953	e869	e816	e922	69600	14900	37800	12900
18	e2360	e1370	e1110	e1050	e950	e869	e816	e936	67100	15200	55100	11700
19	e2310	e1360	e1110	e1050	e946	e876	e816	e950	58300	14000	63200	10900
20	e2240	e1340	e1100	e1050	e943	e872	e812	e982	47300	12200	53000	9990
21	e2180	e1330	e1100	e1050	e936	e869	e812	e1010	39200	10500	39200	9250
22	e2140	e1310	e1090	e1050	e936	e865	e812	e1040	33300	9180	30000	8620
23	e2090	e1300	e1090	e1050	e932	e858	e809	e1070	28700	8260	24400	8090
24	e2040	e1290	e1080	e1040	e929	e858	e809	e1150	25500	7590	20500	7660
25	e1990	e1290	e1080	e1040	e925	e858	e812	e1220	23300	7270	17400	7270
26	e1950	e1270	e1070	e1030	e929	e858	e812	e1430	23900	e6960	15000	6890
27	e1920	e1260	e1070	e1020	e929	e858	e816	e1730	23000	e6850	13100	6600
28	e1880	e1250	e1070	e1020	e922	e855	e816	e2080	19800	e6780	11800	6360
29	e1830	e1240	e1070	e1020	---	e847	e816	e2500	16600	e6810	10800	6140
30	e1790	e1230	e1060	e1020	---	e851	e819	e4380	13900	6810	9960	6000
31	e1750	---	e1060	e1020	---	e855	---	e7450	---	7340	9360	---
TOTAL	81590	42970	34910	32530	27034	26984	24731	42434	1644800	440680	672230	374580
MEAN	2632	1432	1126	1049	965.5	870.5	824.4	1369	54830	14220	21680	12490
MAX	3850	1710	1220	1070	1020	900	851	7450	108000	37800	63200	24400
MIN	1750	1230	1060	1020	922	847	809	819	12600	6780	8790	6000
AC-FT	161800	85230	69240	64520	53620	53520	49050	84170	3262000	874100	1333000	743000
CFSM	0.11	0.06	0.05	0.05	0.04	0.04	0.04	0.06	2.37	0.62	0.94	0.54
IN.	0.13	0.07	0.06	0.05	0.04	0.04	0.04	0.07	2.65	0.71	1.08	0.60

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2001, BY WATER YEAR (WY)#

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	4507	1756	1067	806.9	682.7	647.9	772.4	34760	44590	14970	18830	16820		
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		

15388960 PORCUPINE RIVER NEAR INTERNATIONAL BOUNDARY—Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1988 - 2001	
ANNUAL TOTAL	4312431		3445473			
ANNUAL MEAN	11780		9440		11720	
HIGHEST ANNUAL MEAN					16090	1995
LOWEST ANNUAL MEAN					6569	1999
HIGHEST DAILY MEAN	96400	Jun 11	108000	Jun 8	248000	Jun 1 1992
LOWEST DAILY MEAN	a717	Mar 30	b809	Apr 23	c367	Mar 3 1997
ANNUAL SEVEN-DAY MINIMUM	718	Mar 28	811	Apr 20	369	Mar 1 1997
MAXIMUM PEAK FLOW			110000	Jun 8	250000	Jun 1 1992
MAXIMUM PEAK STAGE			40.05	Jun 8	50.76	Jun 1 1992
INSTANTANEOUS LOW FLOW					470	Mar 19 1990
ANNUAL RUNOFF (AC-FT)	8554000		6834000		8490000	
ANNUAL RUNOFF (CFSM)	0.51		0.41		0.51	
ANNUAL RUNOFF (INCHES)	6.94		5.55		6.89	
10 PERCENT EXCEEDS	34100		24400		33400	
50 PERCENT EXCEEDS	1440		1290		1900	
90 PERCENT EXCEEDS	727		847		632	

a From Mar. 30 to Apr.3
b From Apr.23 to 24
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 240.00 ft above sea level.

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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	134000	e75000	e50000	e37000	e29000	e23000	e20000	e20000	313000	208000	193000	279000
2	132000	e74000	e50000	e37000	e29000	e23000	e20000	e20000	278000	203000	206000	274000
3	129000	e73000	e49000	e37000	e29000	e23000	e20000	e20000	256000	200000	224000	265000
4	126000	e72000	e49000	e37000	e28000	e23000	e20000	e20000	249000	198000	231000	256000
5	123000	e71000	e48000	e36000	e28000	e23000	e20000	e20000	246000	196000	227000	249000
6	121000	e70000	e48000	e36000	e28000	e22000	e20000	e21000	241000	191000	217000	244000
7	119000	e68000	e47000	e36000	e28000	e22000	e20000	e22000	234000	189000	204000	240000
8	117000	e67000	e47000	e36000	e27000	e22000	e20000	e23000	228000	193000	189000	237000
9	115000	e66000	e46000	e35000	e27000	e22000	e20000	e25000	224000	199000	174000	234000
10	113000	e65000	e46000	e35000	e27000	e22000	e20000	e30000	223000	203000	163000	230000
11	112000	e64000	e45000	e35000	e27000	e22000	e20000	e37000	228000	203000	157000	229000
12	112000	e63000	e45000	e35000	e27000	e21000	e19000	e45000	238000	198000	154000	231000
13	111000	e62000	e44000	e34000	e26000	e21000	e19000	e57000	244000	193000	155000	233000
14	109000	e61000	e44000	e34000	e26000	e21000	e19000	e72000	251000	193000	159000	233000
15	106000	e61000	e43000	e34000	e26000	e21000	e19000	e95000	274000	195000	162000	231000
16	103000	e60000	e43000	e33000	e26000	e21000	e19000	e120000	298000	192000	162000	226000
17	e100000	e59000	e43000	e33000	e26000	e21000	e19000	210000	299000	185000	166000	217000
18	e98000	e58000	e42000	e33000	e25000	e21000	e19000	330000	293000	182000	177000	207000
19	e96000	e58000	e42000	e33000	e25000	e20000	e19000	366000	283000	180000	192000	199000
20	e94000	e57000	e42000	e32000	e25000	e20000	e19000	353000	270000	179000	218000	194000
21	e93000	e56000	e41000	e32000	e25000	e20000	e19000	384000	255000	178000	253000	187000
22	e91000	e56000	e41000	e32000	e25000	e20000	e19000	425000	241000	176000	265000	180000
23	e89000	e55000	e40000	e32000	e24000	e20000	e19000	434000	230000	175000	264000	173000
24	e87000	e54000	e40000	e31000	e24000	e20000	e19000	445000	225000	176000	265000	167000
25	e86000	e53000	e40000	e31000	e24000	e20000	e19000	456000	224000	177000	270000	162000
26	e84000	e53000	e39000	e31000	e24000	e20000	e19000	461000	227000	175000	279000	157000
27	e82000	e52000	e39000	e30000	e24000	e20000	e19000	456000	228000	171000	287000	153000
28	e81000	e52000	e39000	e30000	e23000	e20000	e19000	445000	224000	167000	289000	148000
29	e79000	e51000	e38000	e30000	---	e20000	e20000	429000	219000	164000	289000	145000
30	e78000	e51000	e38000	e30000	---	e20000	e20000	400000	213000	167000	286000	142000
31	e77000	---	e38000	e29000	---	e20000	---	356000	---	181000	282000	---
TOTAL	3197000	1837000	1346000	1036000	732000	654000	583000	6598000	7456000	5787000	6759000	6322000
MEAN	103100	61230	43420	33420	26140	21100	19430	212800	248500	186700	218000	210700
MAX	134000	75000	50000	37000	29000	23000	20000	461000	313000	208000	289000	279000
MIN	77000	51000	38000	29000	23000	20000	19000	20000	213000	164000	154000	142000
AC-FT	6341000	3644000	2670000	2055000	1452000	1297000	1156000	13090000	14790000	11480000	13410000	12540000
CFSM	0.53	0.31	0.22	0.17	0.13	0.11	0.10	1.08	1.27	0.95	1.11	1.07
IN.	0.61	0.35	0.26	0.20	0.14	0.12	0.11	1.25	1.41	1.10	1.28	1.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2002, 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
MEAN	99620	50310	36570	29880	25450	22490	22220	206500	339200	232400	200300	164900														
MAX	164500	69670	48450	37680	32140	28970	28170	373000	614100	320200	255100	229500														
(WY)	2001	1978	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	1999	1992	1995	1996	1989	1989														

SUMMARY STATISTICS

	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1977 - 2002
ANNUAL TOTAL	48382000	42307000	
ANNUAL MEAN	132600	115900	119700
HIGHEST ANNUAL MEAN			144400
LOWEST ANNUAL MEAN			93910
HIGHEST DAILY MEAN	552000	Jun 13	823000
LOWEST DAILY MEAN	a23000	Mar 29	c14000
ANNUAL SEVEN-DAY MINIMUM	23000	Mar 29	14000
MAXIMUM PEAK FLOW	554000	Jun 13	827000
MAXIMUM PEAK STAGE	50.17	Jun 13	59.60
ANNUAL RUNOFF (AC-FT)	959700000	839200000	866900000
ANNUAL RUNOFF (CFSM)	0.68	0.59	0.61
ANNUAL RUNOFF (INCHES)	9.17	8.02	8.29
10 PERCENT EXCEEDS	323000	256000	278000
50 PERCENT EXCEEDS	62000	63000	57000
90 PERCENT EXCEEDS	23500	20000	22000

a From Mar. 29 to Apr. 22
b From Apr. 12 to Apr. 28
c From Apr. 14 to 25
e Estimated

15453500 YUKON RIVER NEAR STEVENS VILLAGE—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	TURBID- ITY LAB HACH 2100AN (NTU) (99872)	UV ABSORB- ANCE 254 NM, WTR FLT (UNITS /CM) (50624)	UV ABSORB- ANCE 280 NM, WTR FLT (UNITS /CM) (61726)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00300)	HARD- NESS TOTAL AS (MG/L CACO3) (00900)	CALCIUM DIS- SOLVED AS (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED AS (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED AS (MG/L AS NA) (00930)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	POTAS- SIUM, DIS- SOLVED AS (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	
MAR													
19...	7.0	.041	.029	780	8.8	59	130	36.4	9.30	2.42	120	1.05	146
JUN													
04...	88	.281	.210	757	9.0	87	84	24.0	5.73	1.67	62	1.06	76
24...	73	.220	.162	758	12.6	121	99	27.8	7.07	2.12	66	.84	80
JUL													
18...	320	.136	.100	766	7.9	85	100	28.0	7.37	2.42	75	1.38	91
30...	300	.097	.070	777	9.1	95	120	32.4	8.28	2.70	78	1.48	95
AUG													
23...	210	.242	.180	761	11.1	98	100	28.4	7.43	2.28	71	.95	87
SEP													
04...	110	.206	.152	766	9.9	90	110	29.2	8.16	2.09	71	.87	84
Date	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ALKA- LINITY WAT DIS FIX END FIELD CACO3 (MG/L) (39036)	SULFATE DIS- SOLVED AS SO4 (MG/L) (00945)	CHLO- RIDE, DIS- SOLVED AS CL (MG/L) (00940)	FLUO- RIDE, DIS- SOLVED AS F (MG/L) (00950)	SILICA, DIS- SOLVED AS SIO2 (MG/L) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED AS (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED AS (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED AS N (MG/L) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED AS N (MG/L) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED AS N (MG/L) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL MG/L (MG/L) (00625)
MAR													
19...	.0	120	120	32.6	.57	.1	6.45	178	161	<.002	.103	<.015	E.10
JUN													
04...	.0	62	--	22.4	.84	.15	4.41	128	98	E.002	.025	<.015	.57
24...	.0	66	--	27.5	.49	<.10	5.12	125	111	<.002	.033	<.015	.32
JUL													
18...	.0	74	--	30.5	.53	E.07	5.30	129	120	<.002	.027	<.015	.28
30...	.0	78	--	32.8	1.08	.12	5.73	140	132	<.002	.031	<.015	.23
AUG													
23...	.0	72	--	32.0	1.10	.14	5.10	145	121	<.002	.061	<.015	.57
SEP													
04...	.0	69	--	34.2	.52	E.09	6.20	140	123	<.002	.053	<.015	.32
Date	NITRO- GEN,AM- MONIA + ORGANIC DIS. AS N (00623)	PHOS- PHORUS TOTAL AS P (MG/L) (00665)	PHOS- PHORUS DIS- SOLVED AS P (MG/L) (00666)	ORTHO- PHOS- PHATE, DIS- SOLVED AS P (MG/L) (00671)	NITRO- GEN, TOTAL, SEDIMNT SUSP. PERCENT (WEIGHT PERCENT) (62845)	PHOS- PHORUS SEDI- MENT SUSP. PERCENT (30292)	ALUM- INUM, DIS- SOLVED AS AL (UG/L) (30221)	ALUM- INUM, DIS- SOLVED AS AL (UG/L) (01106)	AN- TIMONY SED. SUSP. (UG/G) (29816)	ANTI- MONY, DIS- SOLVED AS SB (UG/L) (01095)	ARSENIC SED. SUSP. (UG/G) (29818)	ARSENIC DIS- SOLVED AS AS (UG/L) (01000)	BARIUM SED. SUSP. (UG/G) (29820)
MAR													
19...	E.09	.010	<.004	<.007	--	.100	6.5	3	1.8	.16	16	.4	960
JUN													
04...	.24	.37	.007	<.007	.11	.100	6.3	24	1.8	.19	10	.5	960
24...	.20	.20	.005	<.007	<.10	.090	6.5	22	1.4	.17	11	.5	920
JUL													
18...	E.09	.39	E.002	<.007	<.10	.090	7.1	26	2.1	.24	14	.7	710
30...	.11	.35	E.002	<.007	<.10	.100	6.9	19	2.2	.22	14	.6	720
AUG													
23...	.18	.46	.004	<.007	.13	.100	6.5	20	1.5	.22	11	.5	810
SEP													
04...	.17	.26	E.003	<.007	.14	.100	6.7	32	2.0	.22	15	.5	1100

15453500 YUKON RIVER NEAR STEVENS VILLAGE—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM SED. SUSP. (UG/G) (29822)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM SED. SUSP. (UG/G) (29826)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM SED. SUSP. (UG/G) (29829)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT SEDI- MENT SUSP. (UG/G) (35031)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER SED. SUSP. (UG/G) (29832)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON SEDI- MENT SUSP. (UG/L AS U) (30269)
MAR 19...	61	2	<.06	9	1.4	E.03	110	<.8	19	.09	56	1.3	4.3
JUN 04...	40	1	<.06	E7	3.3	E.02	97	1.0	15	.11	32	3.3	3.5
JUN 24...	40	1	<.06	E6	.5	<.04	91	<.8	16	.10	31	2.3	3.7
JUL 18...	44	2	<.06	12	.4	<.04	150	<.8	20	.09	43	2.2	4.7
JUL 30...	45	2	<.06	11	.6	<.04	100	<.8	20	.07	43	1.6	4.6
AUG 23...	38	2	<.06	8	.5	E.02	110	<.8	15	.10	35	2.3	3.9
SEP 04...	44	2	<.06	9	.7	E.02	110	<.8	17	.09	40	2.4	4.0

Date	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD SED. SUSP. (UG/G) (29836)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM SEDI- MENT SUSP. (UG/G) (35050)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MAN- GANESE SED. SUSP. (UG/G) (29839)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY SED. SUSP. (UG/G) (29841)	MOLYB- DENUM SED. SUSP. (UG/G) (29843)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL SED. SUSP. (UG/G) (29845)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM SED. SUSP. (UG/G) (29847)
MAR 19...	E8	20	.16	31	2.7	1900	13.7	.13	4	1.2	68	1.30	1
JUN 04...	75	26	.21	28	2.1	740	6.1	.06	3	.5	48	2.28	1
JUN 24...	48	16	.14	28	2.4	750	4.0	.03	2	.8	47	1.72	M
JUL 18...	11	15	<.08	35	3.3	780	2.5	.04	8	1.3	74	.95	M
JUL 30...	E7	14	<.08	32	3.2	810	2.0	.57	3	1.2	53	.85	M
AUG 23...	55	13	E.07	34	3.2	730	4.4	.17	2	.6	51	2.02	M
SEP 04...	45	14	<.08	32	3.0	860	3.1	.08	3	.9	62	1.47	1

Date	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER SED. SUSP. (UG/G) (29850)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM SEDI- MENT SUSP. (UG/G) (35040)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	THAL- LIUM SUS SED (UG/G) (49955)	TITA- NIUM SEDI- MENT SUSP. PERCENT (UG/G) (30317)	VANA- DIUM SED. SUSP. (UG/G) (29853)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC SED. SUSP. (UG/G) (29855)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM SEDI- MENT SUSP. (UG/G) (35046)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)
MAR 19...	.6	<.5	<1	300	150	<50	.450	140	<.2	180	4	<50	1.01
JUN 04...	.5	<.5	<1	290	94.1	<50	.430	130	.9	120	6	<50	.58
JUN 24...	E.3	<.5	<1	300	105	<50	.440	130	1.0	120	2	<50	.63
JUL 18...	.5	<.5	<1	300	118	<50	.440	130	.7	100	<1	<50	.68
JUL 30...	.5	<.5	<1	310	126	<50	.440	130	.7	110	2	<50	.77
AUG 23...	.5	<.5	<1	270	114	<50	.420	140	.7	110	7	<50	.58
SEP 04...	.6	<.5	<1	280	125	<50	.420	140	.6	150	6	<50	.79

Date	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, INOR- GANIC, PARTIC. TOTAL (MG/L AS C) (00688)	CARBON, ORGANIC PARTIC- ULATE TOTAL (MG/L AS C) (00689)	CARBON, INORG + ORGANIC PARTIC. TOTAL (MG/L AS C) (00694)	CARBON SED. SUSP. PERCENT (AS C) (30244)	CARBON, ORGANIC SUS- PENDE, TOTAL PERCENT (AS C) (50465)	NITRO- GEN, PAR TICULATE WAT FLT SUSP. (MG/L) (49570)	SEDI- MENT SUSP., FLOW- THROUGH CENTRIF (MG/L) (50279)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN (0.062 MM) (70331)
MAR 19...	1.9	<.1	<.1	<.1	3.7	--	<.02	7	8.0	445	86
JUN 04...	7.9	.7	4.4	5.1	2.3	1.5	.29	386	388	265000	63
JUN 24...	6.5	.2	2.2	2.5	2.2	1.3	.09	239	223	134000	60
JUL 18...	4.0	5.0	3.6	8.5	2.7	.8	.18	375	381	185000	85
JUL 30...	3.4	4.4	4.3	8.7	2.7	.9	.17	408	403	182000	85
AUG 23...	7.3	3.8	5.7	9.4	2.5	1.3	.40	438	468	332000	74
SEP 04...	6.2	.4	2.6	3.0	2.2	1.3	.14	229	236	161000	73

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 estimated daily discharges and the period August 19 to September 30 which are poor.

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	e0.30	e0.09	e0.06	e0.01	e0.01	e0.01	e0.01	e1.3	4.9	0.35	0.54	1.3
2	e0.29	e0.09	e0.05	e0.01	e0.01	e0.01	e0.01	e0.66	1.8	0.51	0.50	1.6
3	e0.30	e0.09	e0.05	e0.01	e0.01	e0.01	e0.01	e0.48	1.0	5.0	0.44	2.1
4	e0.31	e0.08	e0.05	e0.01	e0.01	e0.01	e0.01	e0.34	0.72	3.8	0.43	2.1
5	e0.34	e0.08	e0.04	e0.01	e0.01	e0.01	e0.01	e0.36	0.64	1.7	0.42	2.1
6	e0.48	e0.08	e0.04	e0.01	e0.01	e0.01	e0.01	e0.54	2.2	2.8	0.42	2.5
7	e0.42	e0.08	e0.04	e0.01	e0.01	e0.01	e0.01	e0.96	1.1	1.8	0.44	2.5
8	e0.38	e0.08	e0.03	e0.01	e0.01	e0.01	e0.01	e1.8	0.69	1.3	1.3	1.6
9	e0.36	e0.08	e0.03	e0.01	e0.01	e0.01	e0.01	e2.2	0.53	0.94	3.2	1.5
10	e0.34	e0.08	e0.03	e0.01	e0.01	e0.01	e0.01	e2.2	0.49	0.87	3.0	1.2
11	e0.34	e0.07	e0.03	e0.01	e0.01	e0.01	e0.01	e2.4	4.6	0.75	2.2	1.2
12	e0.32	e0.07	e0.03	e0.01	e0.01	e0.01	e0.01	e2.8	3.6	0.63	1.8	1.1
13	e0.30	e0.07	e0.02	e0.01	e0.01	e0.01	e0.01	e3.3	2.0	0.60	2.1	1.1
14	e0.28	e0.07	e0.02	e0.01	e0.01	e0.01	e0.01	e4.0	1.5	0.58	1.9	1.0
15	e0.26	e0.07	e0.02	e0.01	e0.01	e0.01	e0.01	e3.0	1.1	0.52	1.5	0.91
16	e0.24	e0.07	e0.02	e0.01	e0.01	e0.01	e0.01	e2.1	0.74	0.46	1.9	0.86
17	e0.23	e0.07	e0.02	e0.01	e0.01	e0.01	e0.01	e2.2	0.52	0.50	5.8	0.84
18	e0.21	e0.07	e0.02	e0.01	e0.01	e0.01	e0.01	e2.4	0.42	0.47	5.9	0.82
19	e0.20	e0.07	e0.02	e0.01	e0.01	e0.01	e0.01	e2.2	0.34	0.44	6.8	0.92
20	e0.18	e0.07	e0.02	e0.01	e0.01	e0.01	e0.01	e2.0	0.58	0.59	4.2	0.89
21	e0.16	e0.07	e0.02	e0.01	e0.01	e0.01	e0.01	e1.7	0.87	0.61	3.8	0.88
22	e0.15	e0.07	e0.02	e0.01	e0.01	e0.01	e0.01	e1.4	0.76	0.53	4.2	0.82
23	e0.14	e0.07	e0.01	e0.01	e0.01	e0.01	e0.01	e1.2	0.54	0.43	3.8	0.78
24	e0.13	e0.07	e0.01	e0.01	e0.01	e0.01	e0.01	e0.96	0.41	0.46	3.4	0.71
25	e0.12	e0.06	e0.01	e0.01	e0.01	e0.01	e0.01	e0.80	0.44	0.89	2.8	0.66
26	e0.12	e0.06	e0.01	e0.01	e0.01	e0.01	e0.01	e0.68	0.47	1.0	2.1	0.51
27	e0.11	e0.06	e0.01	e0.01	e0.01	e0.01	e0.02	e0.56	0.44	0.71	1.7	0.46
28	e0.11	e0.06	e0.01	e0.01	e0.01	e0.01	e0.03	e0.52	0.34	0.68	1.6	0.45
29	e0.10	e0.06	e0.01	e0.01	---	e0.01	e0.05	e0.48	0.30	0.71	1.3	0.46
30	e0.10	e0.06	e0.01	e0.01	---	e0.01	e0.33	e0.51	0.30	0.67	1.1	0.46
31	e0.10	---	e0.01	e0.01	---	e0.01	---	e1.3	---	0.56	1.0	---
TOTAL	7.42	2.17	0.77	0.31	0.28	0.31	0.69	47.35	34.34	31.86	71.59	34.33
MEAN	0.24	0.072	0.025	0.010	0.010	0.010	0.023	1.53	1.14	1.03	2.31	1.14
MAX	0.48	0.09	0.06	0.01	0.01	0.01	0.33	4.0	4.9	5.0	6.8	2.5
MIN	0.10	0.06	0.01	0.01	0.01	0.01	0.01	0.34	0.30	0.35	0.42	0.45
MED	0.24	0.07	0.02	0.01	0.01	0.01	0.01	1.3	0.67	0.63	1.9	0.91
AC-FT	15	4.3	1.5	0.6	0.6	0.6	1.4	94	68	63	142	68
CFSM	0.22	0.07	0.02	0.01	0.01	0.01	0.02	1.41	1.06	0.95	2.14	1.06
IN.	0.26	0.07	0.03	0.01	0.01	0.01	0.02	1.63	1.18	1.10	2.47	1.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2002, BY WATER YEAR (WY)#

MEAN	0.22	0.052	0.008	0.003	0.003	0.003	0.022	1.49	1.41	0.92	1.82	1.00
MAX	0.37	0.083	0.025	0.010	0.010	0.010	0.042	1.62	2.31	1.34	2.31	1.43
(WY)	2001	2001	2002	2002	2002	2002	2001	2000	2000	2001	2002	2000
MIN	0.032	0.000	0.000	0.000	0.000	0.000	0.000	1.32	0.79	0.39	0.98	0.43
(WY)	2000	2000	2000	2000	2000	2000	2000	2001	2001	2000	2001	2001

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 2000 - 2002

ANNUAL TOTAL	160.95	231.42		
ANNUAL MEAN	0.44	0.63	0.58	
HIGHEST ANNUAL MEAN			0.66	2000
LOWEST ANNUAL MEAN			0.45	2001
HIGHEST DAILY MEAN	6.6	May 23	7.0	May 22 2000
LOWEST DAILY MEAN	a0.00	Jan 1	b0.01	Dec 23
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.01	Dec 23
MAXIMUM PEAK FLOW			9.6	Aug 19
MAXIMUM PEAK STAGE			20.38	Aug 19
MAXIMUM PEAK STAGE				d22.8
ANNUAL RUNOFF (AC-FT)	319	459		May 18 2000
ANNUAL RUNOFF (CFSM)	0.41	0.59	0.54	
ANNUAL RUNOFF (INCHES)	5.54	7.97	7.33	
10 PERCENT EXCEEDS	1.1	2.1	1.8	
50 PERCENT EXCEEDS	0.11	0.10	0.08	
90 PERCENT EXCEEDS	0.00	0.01	0.00	

- a Jan. 1 to Apr. 21
b Dec. 23 to Apr 26
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.

REMARKS.--Records good except for estimated daily discharges, which are poor.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	367	e170	e92	e68	e52	e46	e38	e500	1420	519	490	1040
2	364	e170	e90	e66	e52	e46	e38	e400	1080	483	454	1070
3	330	e160	e88	e66	e52	e46	e38	e320	879	1600	439	1110
4	354	e160	e86	e66	e52	e44	e38	e280	715	4740	407	1050
5	350	e150	e84	e66	e52	e44	e38	e240	683	1930	385	938
6	476	e150	e82	e66	e52	e44	e38	e220	1010	2120	379	1020
7	727	e140	e80	e66	e50	e44	e38	e260	996	1770	397	1880
8	610	e140	e80	e66	e50	e44	e38	e400	834	1150	503	1720
9	508	e140	e80	e64	e50	e44	e38	e540	666	877	876	1450
10	460	e130	e78	e64	e50	e42	e38	e700	586	842	1160	1350
11	445	e130	e78	e64	e50	e42	e38	e1000	2370	824	1050	1250
12	388	e130	e78	e64	e50	e42	e38	e1300	2860	714	905	1140
13	298	e130	e76	e64	e50	e42	e38	e1600	1640	657	852	1040
14	236	e120	e74	e64	e50	e42	e38	e2000	1320	613	856	973
15	e200	e120	e74	e62	e50	e42	e38	e2200	1020	563	754	918
16	e230	e120	e72	e62	e50	e40	e38	1990	778	519	807	860
17	e240	e120	e72	e62	e50	e40	e38	1890	636	514	3720	825
18	e230	e120	e72	e60	e50	e40	e38	2210	536	496	4950	795
19	e220	e120	e70	e60	e50	e40	e40	3100	465	466	4830	782
20	e210	e120	e70	e60	e50	e38	e40	3490	562	581	3610	762
21	e210	e110	e70	e58	e50	e38	e40	4360	1240	988	2440	729
22	e200	e110	e70	e58	e50	e38	e40	3570	1250	731	2620	682
23	e190	e110	e70	e56	e50	e38	e40	2950	955	593	2260	657
24	e190	e110	e68	e56	e48	e38	e40	2360	702	529	2030	634
25	e180	e110	e68	e56	e48	e38	e42	1890	618	659	1800	622
26	e180	e100	e68	e54	e48	e38	e46	1670	589	1030	1620	604
27	e180	e100	e68	e54	e48	e38	e70	1520	517	831	1420	628
28	e180	e100	e68	e54	e46	e38	e100	916	464	741	1240	643
29	e170	e98	e68	e54	---	e38	e150	643	424	692	1110	611
30	e170	e94	e68	e52	---	e38	e250	559	429	604	1070	595
31	e170	---	e68	e52	---	e38	---	1060	---	544	1020	---
TOTAL	9263	3782	2330	1884	1400	1270	1582	46138	28244	29920	46454	28378
MEAN	298.8	126.1	75.16	60.77	50.00	40.97	52.73	1488	941.5	965.2	1499	945.9
MAX	727	170	92	68	52	46	250	4360	2860	4740	4950	1880
MIN	170	94	68	52	46	38	38	220	424	466	379	595
AC-FT	18370	7500	4620	3740	2780	2520	3140	91510	56020	59350	92140	56290
CFSM	0.44	0.19	0.11	0.09	0.07	0.06	0.08	2.20	1.39	1.43	2.21	1.40
IN.	0.51	0.21	0.13	0.10	0.08	0.07	0.09	2.54	1.55	1.64	2.55	1.56

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2002, BY WATER YEAR (WY)#

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
MEAN	234.1	109.6	76.90	56.05	44.22	39.91	97.65	961.7	981.4	781.1	1069	654.2
MAX	374	143	109	90.6	82.2	76.4	155	1488	1993	1092	1651	985
(WY)	2001	2001	2001	2001	2001	2001	1998	2002	2000	2001	2000	2000
MIN	149	90.1	57.5	28.9	13.6	10.5	52.7	635	468	419	590	421
(WY)	2000	1999	1999	1999	1999	1999	1999	2002	2001	1998	1999	1999

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1997 - 2002

ANNUAL TOTAL	151122	200645	
ANNUAL MEAN	414.0	549.7	435.0
HIGHEST ANNUAL MEAN			595 2000
LOWEST ANNUAL MEAN			272 1999
HIGHEST DAILY MEAN	3600	Jul 30	4950 Aug 18
LOWEST DAILY MEAN	a68	Dec 24	b38 Mar 20
ANNUAL SEVEN-DAY MINIMUM	68	Dec 24	38 Mar 20
MAXIMUM PEAK FLOW			6470 Jul 4
MAXIMUM PEAK STAGE			16.70 Jul 4
ANNUAL RUNOFF (AC-FT)	299800	398000	315200
ANNUAL RUNOFF (CFSM)	0.61	0.81	0.64
ANNUAL RUNOFF (INCHES)	8.30	11.03	8.73
10 PERCENT EXCEEDS	929	1430	1040
50 PERCENT EXCEEDS	180	170	150
90 PERCENT EXCEEDS	74	40	36

See Period of Record; partial years used in monthly statistics
a From Dec. 24 to Dec. 31
b From Mar. 20 to Apr. 18
c From Mar. 8 to 24, 1999
e Estimated

15477761 UPPER WEST CREEK NEAR BIG DELTA

LOCATION.--Lat 64°25'01", long 144°50'55", in SW¹/₄ sec.6, T.6 S., R.15 E., (Big Delta B-2 quad), Hydrologic Unit 19040503, on right bank, 5.1 mi upstream from mouth, 3.4 mi southeast of Pogo Mine Camp site, and 31 mi northeast of Big Delta.

DRAINAGE AREA.--1.64 mi².

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

GAGE.--Water-stage recorder. Elevation of gage is 1,900 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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.83	e0.54	e0.42	e0.28	e0.24	e0.20	e0.18	e1.0	1.2	0.86	1.1	2.1
2	0.83	e0.54	e0.40	e0.28	e0.22	e0.20	e0.18	e0.50	0.78	0.89	1.1	2.1
3	0.82	e0.52	e0.40	e0.28	e0.22	e0.20	e0.18	e0.40	0.71	1.3	1.0	2.1
4	0.82	e0.52	e0.38	e0.28	e0.22	e0.20	e0.18	e0.30	0.68	1.1	1.0	2.1
5	0.82	e0.52	e0.38	e0.28	e0.22	e0.20	e0.18	e0.30	0.68	1.0	1.0	2.1
6	0.92	e0.52	e0.36	e0.28	e0.22	e0.18	e0.18	e0.40	0.71	1.1	1.0	2.4
7	0.88	e0.50	e0.36	e0.28	e0.22	e0.18	e0.18	e0.60	0.71	1.0	1.0	2.5
8	0.86	e0.50	e0.34	e0.28	e0.22	e0.18	e0.18	e1.0	0.69	0.99	1.2	2.4
9	0.84	e0.50	e0.34	e0.28	e0.22	e0.18	e0.18	e2.0	0.67	0.96	1.3	2.4
10	0.83	e0.50	e0.34	e0.28	e0.20	e0.18	e0.18	e2.0	0.73	0.96	1.4	2.3
11	0.82	e0.50	e0.32	e0.28	e0.20	e0.18	e0.18	e2.0	1.8	0.96	1.3	2.2
12	0.80	e0.50	e0.32	e0.28	e0.20	e0.18	e0.18	e2.4	1.3	0.94	1.3	2.1
13	0.79	e0.50	e0.32	e0.28	e0.20	e0.18	e0.18	e2.8	0.98	0.95	1.3	2.1
14	e0.76	e0.50	e0.32	e0.28	e0.20	e0.18	e0.18	e3.6	0.94	0.94	1.2	2.1
15	e0.76	e0.50	e0.30	e0.28	e0.20	e0.18	e0.18	e2.3	e0.87	0.94	1.2	2.1
16	e0.74	e0.48	e0.30	e0.28	e0.20	e0.18	e0.18	1.7	e0.84	0.95	1.2	2.0
17	e0.74	e0.48	e0.30	e0.28	e0.20	e0.18	e0.18	1.8	e0.82	0.96	1.9	2.0
18	e0.72	e0.48	e0.30	e0.28	e0.20	e0.18	e0.18	2.1	e0.81	0.96	2.3	2.0
19	e0.72	e0.48	e0.30	e0.28	e0.20	e0.18	e0.18	1.9	e0.80	0.98	2.8	2.1
20	e0.70	e0.48	e0.30	e0.28	e0.20	e0.18	e0.18	1.7	e1.1	1.1	2.2	2.1
21	e0.70	e0.48	e0.30	e0.28	e0.20	e0.18	e0.18	1.4	e1.1	1.0	1.8	2.0
22	e0.68	e0.48	e0.29	e0.26	e0.20	e0.18	e0.18	1.0	e1.0	1.0	1.8	2.0
23	e0.66	e0.48	e0.28	e0.26	e0.20	e0.18	e0.18	0.86	e0.90	1.0	1.9	1.9
24	e0.64	e0.46	e0.28	e0.26	e0.20	e0.18	e0.18	0.72	e0.86	1.1	2.1	1.9
25	e0.62	e0.46	e0.28	e0.26	e0.20	e0.18	e0.18	0.61	e0.94	1.4	2.1	1.9
26	e0.62	e0.46	e0.28	e0.26	e0.20	e0.18	e0.20	0.51	0.83	1.2	2.2	1.8
27	e0.60	e0.44	e0.28	e0.26	e0.20	e0.18	e0.22	0.44	0.81	1.1	2.2	1.7
28	e0.58	e0.44	e0.28	e0.24	e0.20	e0.18	e0.26	0.41	0.79	1.1	2.1	1.7
29	e0.56	e0.42	e0.28	e0.24	---	e0.18	e0.40	0.41	0.79	1.1	2.1	1.7
30	e0.56	e0.42	e0.28	e0.24	---	e0.18	e0.80	0.42	0.83	1.1	2.1	1.7
31	e0.54	---	e0.28	e0.24	---	e0.18	---	0.70	---	1.1	2.1	---
TOTAL	22.76	14.60	9.91	8.40	5.80	5.68	6.38	38.28	26.67	32.04	50.3	61.6
MEAN	0.734	0.487	0.320	0.271	0.207	0.183	0.213	1.235	0.889	1.034	1.623	2.053
MAX	0.92	0.54	0.42	0.28	0.24	0.20	0.80	3.6	1.8	1.4	2.8	2.5
MIN	0.54	0.42	0.28	0.24	0.20	0.18	0.18	0.30	0.67	0.86	1.0	1.7
MED	0.74	0.49	0.30	0.28	0.20	0.18	0.18	1.0	0.82	1.0	1.4	2.1
AC-FT	45	29	20	17	12	11	13	76	53	64	100	122
CFSM	0.45	0.30	0.19	0.17	0.13	0.11	0.13	0.75	0.54	0.63	0.99	1.25
IN.	0.52	0.33	0.22	0.19	0.13	0.13	0.14	0.87	0.60	0.73	1.14	1.40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2002, BY WATER YEAR (WY)#

MEAN	1.068	0.740	0.450	0.332	0.258	0.225	0.256	0.912	1.039	1.155	1.954	2.043
MAX	1.92	1.33	0.69	0.44	0.32	0.26	0.30	1.23	1.67	1.45	2.83	3.06
(WY)	2001	2001	2001	2001	2001	2001	2001	2002	2000	2000	2000	2000
MIN	0.55	0.41	0.32	0.27	0.21	0.18	0.21	0.50	0.56	0.98	1.41	1.02
(WY)	2000	2000	2002	2002	2002	2002	2002	2001	2001	2001	2001	2001

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 2000 - 2002

ANNUAL TOTAL	223.88	282.42	
ANNUAL MEAN	0.613	0.774	0.872
HIGHEST ANNUAL MEAN			1.03 2000
LOWEST ANNUAL MEAN			0.77 2002
HIGHEST DAILY MEAN	a1.6 Jul 29	3.6 May 14	4.6 Aug 30 2000
LOWEST DAILY MEAN	b0.24 Mar 24	c0.18 Mar 6	c0.18 Mar 6 2002
ANNUAL SEVEN-DAY MINIMUM	0.24 Mar 24	0.18 Mar 6	0.18 Mar 6 2002
MAXIMUM PEAK FLOW		4.6 May 14	5.0 Aug 30 2000
MAXIMUM PEAK STAGE		d20.93 May 14	20.98 Aug 30 2000
ANNUAL RUNOFF (AC-FT)	444	560	632
ANNUAL RUNOFF (CFSM)	0.37	0.47	0.53
ANNUAL RUNOFF (INCHES)	5.08	6.41	7.23
10 PERCENT EXCEEDS	1.2	2.0	1.9
50 PERCENT EXCEEDS	0.48	0.50	0.53
90 PERCENT EXCEEDS	0.26	0.18	0.23

a From Jul. 29 to Aug. 1
b From Mar. 24 to Apr. 14
c From Mar. 6 to Apr. 25
d From floodmarks
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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	2.0	1.4	1.1	1.2	1.1	1.1	9.0	7.4	1.7	2.6	e7.2
2	3.0	2.0	1.4	1.1	1.2	1.1	1.1	4.0	4.3	1.9	2.6	e7.4
3	2.8	2.0	1.4	1.1	1.2	1.1	1.1	2.5	3.2	7.9	2.4	e7.8
4	3.1	2.0	1.3	1.1	1.1	1.2	1.1	2.0	2.7	9.6	2.4	e7.4
5	3.1	2.0	1.3	1.1	1.2	1.2	1.1	2.0	2.5	5.1	2.4	e7.2
6	4.3	2.0	1.3	1.1	1.2	1.2	1.1	2.6	2.6	6.1	2.4	e8.0
7	4.1	1.9	1.3	1.1	1.2	1.2	1.0	4.0	2.9	4.2	2.5	e11
8	3.9	1.9	1.3	1.1	1.2	1.2	1.0	9.2	2.4	3.4	3.5	e10
9	3.7	1.7	1.3	1.1	1.2	1.2	1.0	17	2.1	2.9	6.2	e9.4
10	3.6	1.6	1.2	1.1	1.1	1.2	1.0	17	2.6	2.8	5.8	e8.8
11	3.5	1.6	1.2	1.1	1.1	1.2	1.0	17	9.4	2.6	4.9	e8.4
12	2.8	1.6	1.2	1.1	1.1	1.2	1.0	20	6.6	2.5	e4.4	e8.0
13	2.3	1.6	1.1	1.1	1.2	1.2	1.0	23	4.7	2.4	e4.3	e7.6
14	e2.3	1.6	1.1	1.1	1.1	1.2	0.98	30	4.6	2.3	e3.9	e7.4
15	2.6	1.6	1.2	1.1	1.1	1.2	0.99	26	3.8	2.2	e3.7	e7.2
16	3.0	1.6	1.1	1.1	1.2	1.1	0.99	19	2.8	2.2	e4.2	e7.0
17	3.1	1.6	1.1	1.1	1.2	1.1	0.98	19	2.4	2.4	e22	e7.0
18	e3.0	1.6	1.1	1.1	1.2	1.1	0.95	20	2.1	2.8	e24	e7.4
19	2.7	1.6	1.1	1.1	1.2	1.1	0.95	18	2.1	2.5	e32	e7.8
20	2.6	1.6	1.1	1.1	1.2	1.1	0.94	13	2.9	3.4	e15	e8.0
21	2.5	1.6	1.0	1.1	1.2	1.1	0.95	10	2.9	3.8	e11	e7.8
22	2.6	1.6	1.0	1.2	1.2	1.1	0.95	8.3	2.7	3.0	e12	e7.4
23	2.4	1.5	1.0	1.2	1.2	1.1	0.95	7.0	2.3	2.6	e10	e7.0
24	2.4	1.6	1.1	1.2	1.2	1.1	0.95	6.0	2.1	2.7	e9.2	e6.6
25	2.3	1.5	1.0	1.2	1.1	1.1	0.95	5.2	2.1	6.6	e8.6	6.4
26	2.3	1.5	1.0	1.2	1.1	1.1	0.94	4.7	2.1	5.4	e8.2	6.4
27	2.3	1.5	0.99	1.2	1.1	1.1	0.95	4.1	2.0	3.9	e7.8	e6.3
28	2.2	1.5	1.0	1.2	1.1	1.1	0.95	3.5	1.8	3.5	e7.6	e6.2
29	2.1	1.4	1.1	1.1	---	1.1	1.2	3.1	1.7	3.2	e7.4	e6.2
30	2.1	1.4	1.1	1.1	---	1.1	7.7	2.8	1.6	3.0	e7.2	e6.3
31	2.1	---	1.1	1.1	---	1.1	---	3.7	---	2.8	e7.0	---
TOTAL	87.9	50.2	35.89	34.8	32.6	35.3	36.87	332.7	95.4	111.4	247.2	226.6
MEAN	2.84	1.67	1.16	1.12	1.16	1.14	1.23	10.7	3.18	3.59	7.97	7.55
MAX	4.3	2.0	1.4	1.2	1.2	1.2	7.7	30	9.4	9.6	32	11
MIN	2.1	1.4	0.99	1.1	1.1	1.1	0.94	2.0	1.6	1.7	2.4	6.2
MED	2.7	1.6	1.1	1.1	1.2	1.1	1.0	8.3	2.6	2.9	6.2	7.4
AC-FT	174	100	71	69	65	70	73	660	189	221	490	449
CFSM	0.47	0.28	0.19	0.19	0.19	0.19	0.20	1.77	0.53	0.59	1.32	1.25
IN.	0.54	0.31	0.22	0.21	0.20	0.22	0.23	2.05	0.59	0.68	1.52	1.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2002, BY WATER YEAR (WY)#

	2000	2001	2002	2000	2001	2002	2000	2001	2002	2000	2001	2002
MEAN	4.43	2.78	1.89	1.58	1.42	1.31	1.63	7.99	3.32	3.59	6.87	6.88
MAX	6.03	3.89	2.63	2.03	1.68	1.49	2.03	10.7	3.95	4.58	7.97	9.42
(WY)	2001	2001	2001	2001	2001	2001	2001	2002	2000	2001	2002	2000
MIN	2.84	1.67	1.16	1.12	1.16	1.14	1.23	4.30	2.84	2.58	4.79	3.68
(WY)	2002	2002	2002	2002	2002	2002	2002	2001	2001	2000	2001	2001

SUMMARY STATISTICS

	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 2000 - 2002#
ANNUAL TOTAL	1010.19	1326.86	
ANNUAL MEAN	2.77	3.64	3.49
HIGHEST ANNUAL MEAN			3.64 2002
LOWEST ANNUAL MEAN			3.35 2001
HIGHEST DAILY MEAN	12 May 23	e32 Aug 19	e32 Aug 19 2002
LOWEST DAILY MEAN	0.99 Dec 27	a0.94 Apr 20	0.94 Apr 20 2002
ANNUAL SEVEN-DAY MINIMUM	1.0 Dec 21	0.95 Apr 20	0.95 Apr 20 2002
MAXIMUM PEAK FLOW		b49 May 14	b49 May 14 2002
MAXIMUM PEAK STAGE		b21.56 May 14	b21.56 May 14 2002
INSTANTANEOUS LOW FLOW		0.86 Apr 24	c0.58 Mar 21 2000
ANNUAL RUNOFF (AC-FT)	2000	2630	2530
ANNUAL RUNOFF (CFSM)	0.46	0.60	0.58
ANNUAL RUNOFF (INCHES)	6.21	8.16	7.84
10 PERCENT EXCEEDS	4.7	7.9	6.6
50 PERCENT EXCEEDS	2.3	2.0	2.5
90 PERCENT EXCEEDS	1.4	1.1	1.1

See Period of Record; partial years used in monthly statistics
a Apr. 20 and 26
b May have been higher during period of missing record, Aug. 19, 2002
c Minimum observed outside Period of Record, result of discharge measurement
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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	e3.3	e2.2	e1.4	e1.5	e1.5	e1.4	e12	15	1.8	3.1	e8.8
2	4.5	e3.2	e2.1	e1.4	e1.5	e1.5	e1.4	e7.0	9.0	2.0	3.0	e9.2
3	5.0	e3.2	e2.1	e1.4	e1.5	e1.5	e1.4	e5.0	6.0	11	2.8	e9.6
4	5.0	e3.1	e2.0	e1.4	e1.5	e1.5	e1.4	e3.0	4.7	15	2.8	e9.0
5	7.5	e3.0	e2.0	e1.4	e1.5	e1.5	e1.4	e3.0	4.3	7.5	2.8	e8.8
6	7.3	e3.0	e2.0	e1.4	e1.5	e1.5	e1.4	e4.0	4.3	8.7	2.8	e10
7	6.8	e2.8	e2.0	e1.4	e1.5	e1.5	e1.4	e7.0	4.4	5.6	3.0	e15
8	6.3	e2.7	e1.9	e1.4	e1.5	e1.5	e1.4	e14	3.7	4.1	4.6	e14
9	5.9	e2.6	e1.9	e1.4	e1.5	e1.5	e1.4	e19	3.1	3.4	9.4	e13
10	5.7	e2.6	e1.9	e1.4	e1.5	e1.5	e1.4	e20	4.0	3.0	9.2	e12
11	4.4	e2.5	e1.8	e1.4	e1.5	e1.5	e1.4	e19	19	2.7	7.4	e11
12	3.4	e2.5	e1.8	e1.4	e1.5	e1.5	e1.4	e25	13	2.6	6.3	e10
13	3.8	e2.5	e1.8	e1.4	e1.5	e1.5	e1.3	e30	8.9	2.5	6.1	e9.8
14	e4.0	e2.4	e1.8	e1.4	e1.5	e1.5	e1.3	e40	7.8	2.3	5.5	e9.4
15	e4.4	e2.4	e1.7	e1.4	e1.5	e1.5	e1.3	e33	5.7	2.2	5.0	e9.0
16	e4.8	e2.4	e1.7	e1.4	e1.5	e1.4	e1.3	e31	3.8	2.1	6.0	e8.8
17	e4.8	e2.4	e1.7	e1.4	e1.5	e1.4	e1.3	33	3.1	2.4	27	e8.6
18	e4.6	e2.4	e1.6	e1.4	e1.5	e1.4	e1.3	32	2.6	2.8	e30	e9.0
19	e4.4	e2.4	e1.6	e1.4	e1.5	e1.4	e1.3	25	2.5	2.5	e43	e9.6
20	e4.2	e2.4	e1.6	e1.4	e1.5	e1.4	e1.3	14	3.5	3.7	e23	e10
21	e4.1	e2.4	e1.5	e1.4	e1.5	e1.4	e1.3	9.5	3.7	4.4	e15	e10
22	e4.0	e2.4	e1.5	e1.5	e1.5	e1.4	e1.3	10	3.2	3.3	e16	e9.6
23	e3.9	e2.3	e1.4	e1.5	e1.5	e1.4	e1.3	5.9	2.7	2.8	e14	e9.2
24	e3.9	e2.3	e1.4	e1.5	e1.5	e1.4	e1.3	4.9	2.4	2.9	e12	e9.0
25	e3.8	e2.3	e1.4	e1.5	e1.5	e1.4	e1.3	6.7	2.4	8.0	e10	e8.9
26	e3.7	e2.3	e1.4	e1.5	e1.5	e1.4	e1.3	7.4	2.3	7.0	e9.8	8.6
27	e3.6	e2.3	e1.4	e1.5	e1.5	e1.4	e1.3	6.6	2.1	4.8	e9.4	8.5
28	e3.6	e2.2	e1.4	e1.5	e1.5	e1.4	e1.4	5.4	1.9	4.3	e9.0	8.4
29	e3.5	e2.2	e1.4	e1.5	---	e1.4	e2.5	4.8	1.8	4.0	e9.0	8.4
30	e3.4	e2.2	e1.4	e1.5	---	e1.4	e10	4.5	1.7	3.6	e8.8	8.6
31	e3.3	---	e1.4	e1.5	---	e1.4	---	6.2	---	3.3	e8.6	---
TOTAL	141.6	76.7	52.8	44.4	42.0	44.9	50.2	447.9	152.6	136.3	324.4	293.8
MEAN	4.57	2.56	1.70	1.43	1.50	1.45	1.67	14.4	5.09	4.40	10.5	9.79
MAX	7.5	3.3	2.2	1.5	1.5	1.5	10	40	19	15	43	15
MIN	3.3	2.2	1.4	1.4	1.5	1.4	1.3	3.0	1.7	1.8	2.8	8.4
AC-FT	281	152	105	88	83	89	100	888	303	270	643	583
CFSM	0.44	0.24	0.16	0.14	0.14	0.14	0.16	1.38	0.48	0.42	1.00	0.93
IN.	0.50	0.27	0.19	0.16	0.15	0.16	0.18	1.59	0.54	0.48	1.15	1.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2002, BY WATER YEAR (WY)#

	1997	1998	1999	2000	2001	2002
MEAN	3.96	2.23	1.43	1.09	0.96	0.87
MAX	8.88	4.26	2.37	1.70	1.50	1.45
(WY)	2001	2001	2001	2001	2002	2002
MIN	1.63	1.31	0.98	0.71	0.56	0.45
(WY)	2000	2000	1998	1998	1998	1998

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1997 - 2002#

ANNUAL TOTAL	1458.7	1807.6	
ANNUAL MEAN	4.00	4.95	4.09
HIGHEST ANNUAL MEAN			5.91
LOWEST ANNUAL MEAN			2.07
HIGHEST DAILY MEAN	22	May 23	e49
LOWEST DAILY MEAN	a1.2	Mar 25	b1.3
ANNUAL SEVEN-DAY MINIMUM	1.2	Mar 25	1.3
MAXIMUM PEAK FLOW			c
MAXIMUM PEAK STAGE			d
ANNUAL RUNOFF (AC-FT)	2890	3590	f33.40
ANNUAL RUNOFF (CFSM)	0.38	0.47	2960
ANNUAL RUNOFF (INCHES)	5.17	6.40	0.39
10 PERCENT EXCEEDS	7.5	10	5.29
50 PERCENT EXCEEDS	3.2	2.5	9.0
90 PERCENT EXCEEDS	1.3	1.4	2.2
			0.60

See Period of Record; partial years used in monthly statistics

a From Mar. 25 to Apr. 13

b From Apr. 13 to 27

c Not determined see highest daily mean

d Not determined

e Estimated

f Backwater from snow and ice

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 2001 TO SEPTEMBER 2002

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	e17	e4.0	e0.50	e0.40	e0.20	e0.10	e140	246	28	42	104
2	41	e16	e3.6	e0.50	e0.40	e0.20	e0.10	e70	256	27	38	112
3	33	e16	e3.0	e0.50	e0.40	e0.20	e0.10	e60	132	222	34	114
4	43	e16	e2.6	e0.50	e0.40	e0.20	e0.10	e50	89	742	32	108
5	40	e15	e2.2	e0.50	e0.40	e0.20	e0.10	e45	81	235	30	101
6	68	e15	e2.2	e0.50	e0.40	e0.10	e0.10	46	124	356	30	115
7	119	e15	e1.8	e0.50	e0.40	e0.10	e0.10	49	152	229	31	240
8	98	e15	e1.6	e0.50	e0.30	e0.10	e0.10	63	95	132	45	205
9	80	e15	e1.6	e0.50	e0.30	e0.10	e0.10	123	71	92	154	179
10	69	e14	e1.4	e0.50	e0.30	e0.10	e0.10	214	113	79	204	152
11	64	e14	e1.4	e0.50	e0.30	e0.10	e0.10	224	671	85	158	132
12	49	e14	e1.2	e0.50	e0.30	e0.10	e0.10	255	509	73	119	118
13	36	e14	e1.2	e0.50	e0.30	e0.10	e0.10	322	237	118	104	108
14	20	e14	e1.0	e0.50	e0.30	e0.10	e0.10	421	185	89	101	98
15	24	e13	e1.0	e0.50	e0.30	e0.10	e0.10	536	134	67	86	93
16	e27	e13	e0.90	e0.50	e0.30	e0.10	e0.10	427	90	55	98	88
17	e29	e13	e0.90	e0.50	e0.30	e0.10	e0.10	548	67	53	992	92
18	e28	e13	e0.80	e0.50	e0.30	e0.10	e0.10	689	52	61	942	91
19	e27	e13	e0.80	e0.40	e0.30	e0.10	e0.10	772	43	51	954	100
20	e26	e12	e0.80	e0.40	e0.20	e0.10	e0.10	768	57	61	482	107
21	e25	e12	e0.70	e0.40	e0.20	e0.10	e0.10	717	118	112	262	103
22	e24	e11	e0.70	e0.40	e0.20	e0.10	e0.10	481	118	76	258	97
23	e22	e11	e0.60	e0.40	e0.20	e0.10	e0.10	329	83	58	207	92
24	e21	e10	e0.60	e0.40	e0.20	e0.10	e0.10	229	60	48	170	88
25	e21	e9.0	e0.60	e0.40	e0.20	e0.10	e0.10	171	52	104	159	86
26	e20	e8.0	e0.60	e0.40	e0.20	e0.10	e0.50	138	55	149	141	84
27	e19	e7.0	e0.60	e0.40	e0.20	e0.10	e2.0	111	47	98	125	93
28	e19	e6.0	e0.60	e0.40	e0.20	e0.10	e10	78	39	78	113	99
29	e18	e5.6	e0.50	e0.40	---	e0.10	e30	61	33	72	108	98
30	e18	e4.6	e0.50	e0.40	---	e0.10	e70	52	30	60	105	101
31	e17	---	e0.50	e0.40	---	e0.10	---	72	---	50	101	---
TOTAL	1187	371.2	40.50	14.20	8.20	3.60	115.00	8261	4039	3760	6425	3398
MEAN	38.29	12.37	1.306	0.458	0.293	0.116	3.833	266.5	134.6	121.3	207.3	113.3
MAX	119	47	4.0	0.50	0.40	0.20	70	772	671	742	992	240
MIN	17	4.6	0.50	0.40	0.20	0.10	0.10	45	30	27	30	84
AC-FT	2350	736	80	28	16	7.1	228	16390	8010	7460	12740	6740
CFSM	0.33	0.11	0.01	0.00	0.00	0.00	0.03	2.32	1.17	1.05	1.80	0.98
IN.	0.38	0.12	0.01	0.00	0.00	0.00	0.04	2.67	1.31	1.22	2.08	1.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2002, BY WATER YEAR (WY)#

	1997	1998	1999	2000	2001	2002
MEAN	26.89	11.76	4.594	2.728	1.989	1.609
MAX	46.4	30.9	16.7	11.3	8.74	7.10
(WY)	2001	2001	2001	2001	2001	2001
MIN	13.8	4.71	0.75	0.026	0.000	0.000
(WY)	2000	1999	1999	1999	1999	1999

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1997 - 2002#

ANNUAL TOTAL	17358.90	27622.70		
ANNUAL MEAN	47.56	75.68	52.34	
HIGHEST ANNUAL MEAN			75.7	2002
LOWEST ANNUAL MEAN			26.8	1998
HIGHEST DAILY MEAN	382	Jul 30	992	Aug 17 2002
LOWEST DAILY MEAN	a0.50	Dec 29	b0.10	Mar 6 1999
ANNUAL SEVEN-DAY MINIMUM	0.56	Dec 25	0.10	Mar 6 1999
MAXIMUM PEAK FLOW			d1700	Aug 17 2002
MAXIMUM PEAK STAGE			45.72	Aug 17 2002
ANNUAL RUNOFF (AC-FT)	34430	54790	37920	
ANNUAL RUNOFF (CFSM)	0.41	0.66	0.46	
ANNUAL RUNOFF (INCHES)	5.62	8.94	6.18	
10 PERCENT EXCEEDS	119	181	131	
50 PERCENT EXCEEDS	21	19	18	
90 PERCENT EXCEEDS	6.2	0.10	0.10	

See Period of Record; partial years used in monthly statistics
a From Dec. 29 to 31
b From Mar. 6 to Apr. 25
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

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 (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 16	1500	10500	11.50	July 7	0800	10500	11.52
May 22	0330	14000	12.72	Aug 19	0500	27300*	16.40*
July 4	2100	11800	11.99				

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	1150	e530	e360	e240	e210	e150	e140	e1100	1880	1320	1900	3700
2	1140	e520	e350	e240	e200	e150	e140	e3400	2530	1260	1700	3600
3	1120	e510	e340	e230	e200	e150	e140	e5100	3660	1690	1560	3820
4	1100	e510	e320	e230	e200	e150	e140	e5700	3030	9510	1460	3790
5	1100	e500	e310	e230	e190	e150	e140	e4200	2440	9480	1380	3580
6	1150	e500	e300	e230	e190	e150	e140	e3400	2080	7970	1320	3490
7	1310	e500	e300	e230	e190	e150	e140	e2700	2090	10100	e1280	e4090
8	1560	e490	e300	e230	e190	e150	e140	e3000	1980	7600	e1270	e5780
9	1540	e490	e290	e230	e190	e150	e140	e4400	1800	e5000	1360	5460
10	1410	e490	e290	e230	e180	e150	e140	e7000	1590	3720	1940	4880
11	e1300	e480	e290	e230	e180	e150	e140	e9700	1480	3130	2960	4460
12	e1200	e470	e280	e230	e170	e150	e140	e7800	3690	2700	2880	4070
13	e1100	e460	e280	e230	e170	e150	e140	e6600	e5000	2380	2620	3730
14	e1000	e450	e270	e230	e170	e150	e140	6510	3970	2430	2550	3460
15	e930	e440	e270	e230	e170	e150	e140	8170	4250	2200	2400	3240
16	e850	e430	e260	e230	e170	e150	e140	9590	3620	1970	2310	3070
17	e780	e420	e260	e230	e170	e140	e140	8500	2630	1780	e5400	2920
18	e750	e420	e260	e230	e170	e140	e140	8920	2060	1660	e18900	2830
19	e710	e410	e260	e230	e160	e140	e140	10300	1710	1570	23900	2820
20	e680	e410	e250	e230	e160	e140	e140	11300	1510	1500	17100	2950
21	e660	e410	e250	e220	e160	e140	e140	11700	1990	1870	11900	2880
22	e650	e400	e250	e230	e160	e140	e140	12700	4730	e2810	9330	2740
23	e620	e400	e250	e230	e160	e140	e150	10500	5540	e2430	9190	2600
24	e600	e400	e250	e220	e160	e140	e160	8400	3850	2060	8090	2480
25	e590	e400	e250	e210	e160	e140	e170	6740	e2690	1820	6980	2390
26	e570	e400	e240	e210	e150	e140	e180	5700	2200	2120	6200	2330
27	e570	e400	e240	e210	e150	e140	e210	5190	1950	3070	5480	2280
28	e560	e390	e240	e210	e150	e140	e250	4240	1770	2660	4910	2250
29	e550	e380	e240	e210	---	e140	e310	2820	1580	2500	4470	2210
30	e540	e370	e240	e210	---	e140	e520	2150	1410	2410	4170	2210
31	e540	---	e240	e210	---	e140	---	1860	---	2150	3910	---
TOTAL	28330	13380	8530	6990	4880	4500	5030	199390	80710	104870	170820	100110
MEAN	913.9	446.0	275.2	225.5	174.3	145.2	167.7	6432	2690	3383	5510	3337
MAX	1560	530	360	240	210	150	520	12700	5540	10100	23900	5780
MIN	540	370	240	210	150	140	140	1100	1410	1260	1270	2210
AC-FT	56190	26540	16920	13860	9680	8930	9980	395500	160100	208000	338800	198600
CFSM	0.42	0.21	0.13	0.10	0.08	0.07	0.08	2.96	1.24	1.56	2.54	1.54
IN.	0.49	0.23	0.15	0.12	0.08	0.08	0.09	3.42	1.38	1.80	2.93	1.72

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2002, BY WATER YEAR (WY)#

	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	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							
MEAN	1081	503.6	353.4	258.5	209.2	189.1	399.0	4276	3802	2656	3075	2453	1969	1028	730	471	449	377	1373	8666	8640	7330	13350	6186	1994	1994	1994	1992	1994	1992	1993	1962	1964	1964	1949	1967	1952	484	230	160	130	62.0	60.0	104	1564	963	568	717	636	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 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1949 - 2002#	
ANNUAL TOTAL	501020		727540			
ANNUAL MEAN	1373		1993		1613	
HIGHEST ANNUAL MEAN					2957 1967	
LOWEST ANNUAL MEAN					796 1999	
HIGHEST DAILY MEAN	10700	Jul 31	23900	Aug 19	94100	Aug 14 1967
LOWEST DAILY MEAN	a240	Dec 26	b140	Mar 17	c60	Mar 1 1953
ANNUAL SEVEN-DAY MINIMUM	241	Dec 25	140	Mar 17	60	Mar 1 1953
MAXIMUM PEAK FLOW			27300	Aug 19	97000	Aug 14 1967
MAXIMUM PEAK STAGE			16.40	Aug 19	21.78	Aug 14 1967
ANNUAL RUNOFF (AC-FT)	993800		1443000		1169000	
ANNUAL RUNOFF (CFSM)	0.63		0.92		0.74	
ANNUAL RUNOFF (INCHES)	8.59		12.47		10.10	
10 PERCENT EXCEEDS	3350		5420		3950	
50 PERCENT EXCEEDS	620		540		640	
90 PERCENT EXCEEDS	280		140		170	

See Period of Record

a From Dec. 26 to Dec. 31

b From Mar. 17 to Apr. 22

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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19500	e11000	e8200	e6500	e6200	e6200	e6200	e9000	34700	42700	57300	42200
2	19300	e11000	e8000	e6500	e6200	e6200	e6200	e9900	35400	43300	57600	40900
3	19000	e11000	e7900	e6500	e6200	e6200	e6200	e13000	36400	45000	54900	39700
4	18800	e11000	e7800	e6400	e6200	e6200	e6200	e17000	36600	49200	51700	38400
5	18600	e11000	e7700	e6400	e6200	e6200	e6200	e21000	35000	58600	52500	36800
6	18800	e12000	e7600	e6400	e6200	e6200	e6200	e19000	33700	58500	54300	36800
7	19000	e12000	e7600	e6400	e6200	e6200	e6200	e17000	34100	57200	56200	38400
8	19100	e12000	e7500	e6400	e6200	e6200	e6200	e17000	34500	58500	57000	41900
9	19200	e12000	e7300	e6400	e6200	e6200	e6200	e19000	34600	57600	56500	42200
10	19000	e11000	e7300	e6400	e6200	e6200	e6200	e20000	35500	54800	58500	39600
11	18600	e10000	e7200	e6400	e6200	e6200	e6200	e25000	37600	51000	56000	37300
12	18200	e10000	e7200	e6300	e6200	e6200	e6200	e29000	37900	47800	56300	35100
13	18000	e9900	e7200	e6300	e6200	e6200	e6200	e33000	42900	47900	56800	33600
14	17000	e9700	e7200	e6300	e6200	e6200	e6200	e35000	46100	48900	57100	32900
15	15700	e9600	e7200	e6300	e6200	e6200	e6300	36500	45000	49800	53000	32000
16	15000	e9500	e7100	e6300	e6200	e6200	e6300	39000	43600	50500	48900	30800
17	14200	e9300	e7100	e6300	e6200	e6200	e6400	39100	41100	51700	49100	29700
18	13100	e9300	e7000	e6300	e6200	e6200	e6400	38100	39400	53300	57900	28800
19	12800	e9200	e7000	e6300	e6200	e6200	e6400	40200	40000	55000	69700	28400
20	e13000	e9200	e7000	e6300	e6200	e6200	e6400	44400	40800	55900	70500	28200
21	e13000	e9100	e6900	e6300	e6200	e6200	e6400	46900	40700	55900	67100	27600
22	e13000	e9000	e6900	e6300	e6200	e6200	e6400	51500	42000	57000	62300	26700
23	e13000	e8900	e6800	e6300	e6200	e6200	e6400	53300	43000	59000	63900	26000
24	e12000	e8900	e6700	e6300	e6200	e6200	e6400	50800	42900	59900	66900	25400
25	e12000	e8900	e6700	e6200	e6200	e6200	e6400	47800	41500	61600	64500	25000
26	e12000	e8800	e6700	e6200	e6200	e6200	e6600	45900	43200	62700	60300	25300
27	e12000	e8700	e6700	e6200	e6200	e6200	e6800	45400	43400	63000	54700	26100
28	e12000	e8700	e6600	e6200	e6200	e6200	e7000	44600	41200	61400	50000	26500
29	e11000	e8600	e6600	e6200	---	e6200	e7400	40500	41000	59000	46800	27300
30	e11000	e8300	e6500	e6200	---	e6200	e8000	36700	42400	60100	44100	26800
31	e11000	---	e6500	e6200	---	e6200	---	34500	---	58500	42800	---
TOTAL	477900	297600	221700	196000	173600	192200	192800	1019100	1186200	1695300	1755200	976400
MEAN	15420	9920	7152	6323	6200	6200	6427	32870	39540	54690	56620	32550
MAX	19500	12000	8200	6500	6200	6200	8000	53300	46100	63000	70500	42200
MIN	11000	8300	6500	6200	6200	6200	6200	9000	33700	42700	42800	25000
AC-FT	947900	590300	439700	388800	344300	381200	382400	2021000	2353000	3363000	3481000	1937000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2002, BY WATER YEAR (WY)#

	1973	1974	1975	1976	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	
MEAN	13540	7706	6166	5611	5413	5361	7388	22590	36360	52670	49180	27450																			
MAX	20720	10370	8090	7135	6700	6761	12700	36290	51350	66090	70080	44880																			
(WY)	2001	1986	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 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1973 - 2002#
ANNUAL TOTAL	7707500	8384000	
ANNUAL MEAN	21120	22970	20130
HIGHEST ANNUAL MEAN			22970
LOWEST ANNUAL MEAN			16080
HIGHEST DAILY MEAN	78000	Aug 1	92400
LOWEST DAILY MEAN	a5600	Mar 25	c3100
ANNUAL SEVEN-DAY MINIMUM	5600	Mar 25	3100
MAXIMUM PEAK FLOW		72500	96400
MAXIMUM PEAK STAGE		24.57	26.25
ANNUAL RUNOFF (AC-FT)	15290000	16630000	14580000
10 PERCENT EXCEEDS	49300	55400	50300
50 PERCENT EXCEEDS	11500	12000	9800
90 PERCENT EXCEEDS	5800	6200	5000

See Period of Record, partial years used in monthly statistics
a From Mar. 25 to Apr. 8
b From Jan. 25 to Apr. 14
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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	562	e255	e195	e155	e130	e98	e94	e1200	798	590	976	1860
2	554	e245	e195	e155	e130	e98	e94	e2200	1550	577	875	1820
3	539	e240	e195	e155	e130	e98	e94	e2800	1590	2360	810	1770
4	533	e230	e190	e155	e125	e98	e94	e2100	1260	6800	756	1670
5	532	e225	e190	e155	e125	e98	e94	e1500	1050	3280	716	1580
6	599	e220	e185	e155	e125	e98	e94	e1060	1110	5580	675	1630
7	747	e215	e185	e155	e125	e96	e94	1120	1090	5870	647	2460
8	808	e210	e185	e155	e120	e96	e94	1310	909	3100	654	2490
9	759	e205	e180	e155	e120	e96	e94	2300	795	2040	729	2260
10	710	e205	e180	e155	e120	e96	e94	4130	716	1590	1000	2090
11	685	e205	e175	e155	e120	e96	e94	3600	879	1320	1200	1890
12	648	e205	e175	e155	e115	e96	e94	3250	2810	1130	1130	1730
13	580	e205	e170	e150	e115	e96	e94	3560	2570	1390	1140	1610
14	516	e205	e170	e150	e115	e96	e94	4410	1960	1230	1120	1500
15	e500	e205	e165	e150	e110	e96	e94	5440	1780	993	1000	1420
16	e470	e205	e165	e150	e110	e96	e94	5700	1320	871	1160	1340
17	e415	e200	e165	e150	e110	e96	e94	5030	1040	794	5320	1270
18	e400	e200	e165	e150	e110	e96	e94	5250	853	737	e9600	1250
19	e385	e200	e160	e145	e105	e96	e96	5300	754	725	7850	1250
20	e370	e200	e160	e145	e105	e96	e96	5220	817	787	6210	1290
21	e355	e200	e160	e145	e105	e96	e98	5520	1290	1740	4910	1260
22	e345	e200	e160	e145	e105	e96	e98	4650	1680	1360	5180	1210
23	e330	e200	e160	e145	e105	e96	e100	3570	1560	1040	5490	1150
24	e315	e200	e160	e140	e100	e94	e105	2770	1140	874	4260	1100
25	e300	e200	e155	e140	e100	e94	e110	2270	933	886	3640	1070
26	e295	e200	e155	e140	e100	e94	e120	2010	858	1570	3110	1040
27	e290	e195	e155	e140	e98	e94	e135	1780	804	1740	2720	1040
28	e285	e195	e155	e135	e98	e94	e160	1230	721	1610	2440	1020
29	e275	e195	e155	e135	---	e94	e220	954	668	1630	2220	1050
30	e265	e195	e155	e135	---	e94	e370	821	632	1380	2060	1150
31	e260	---	e155	e135	---	e94	---	788	---	1140	1910	---
TOTAL	14627	6260	5275	4585	3176	2972	3400	92843	35937	56734	81508	45270
MEAN	472	209	170	148	113	95.9	113	2995	1198	1830	2629	1509
MAX	808	255	195	155	130	98	370	5700	2810	6800	9600	2490
MIN	260	195	155	135	98	94	94	788	632	577	647	1020
AC-FT	29010	12420	10460	9090	6300	5890	6740	184200	71280	112500	161700	89790
CFSM	0.50	0.22	0.18	0.16	0.12	0.10	0.12	3.20	1.28	1.95	2.81	1.61
IN.	0.58	0.25	0.21	0.18	0.13	0.12	0.13	3.69	1.43	2.25	3.24	1.80

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2002, BY WATER YEAR (WY)#

	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)
1968	568	1656	1987	260	1969	272	617	1987	120	1969	186	369	1994	85.5	1977
1969	132	242	1994	38.1	1970	107	246	1994	20.2	1970	171	246	1991	21.9	1970
1970	93.9	171	1989	68.3	1970	222	578	1971	625	1982	1878	4210	1971	625	1982
1971	1359	4038	1992	323	1969	1050	2505	1984	380	1976	1310	3207	1969	380	1976
1972	1145	2702	1990	455	1970	1145	2702	1990	455	1970	1145	2702	1990	455	1970

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1968 - 2002

ANNUAL TOTAL	213817	352587	
ANNUAL MEAN	586	966	697
HIGHEST ANNUAL MEAN			1080
LOWEST ANNUAL MEAN			398
HIGHEST DAILY MEAN	3640	Jul 30	9600
LOWEST DAILY MEAN	a120	Mar 25	b94
ANNUAL SEVEN-DAY MINIMUM	120	Mar 25	94
MAXIMUM PEAK FLOW			11000
MAXIMUM PEAK STAGE			21.26
ANNUAL RUNOFF (AC-FT)	424100	699400	505200
ANNUAL RUNOFF (CFSM)	0.63	1.03	0.74
ANNUAL RUNOFF (INCHES)	8.49	14.00	10.11
10 PERCENT EXCEEDS	1410	2450	1630
50 PERCENT EXCEEDS	295	275	325
90 PERCENT EXCEEDS	140	96	84

a From Mar. 25 to Apr. 9
 b From Mar. 24 to Apr. 17
 c From Feb. 6 to Mar. 12, 1970
 d At site and datum then in use
 e Estimated

15515500 TANANA RIVER AT NENANA

LOCATION.--Lat 64°33'55", long 149°05'30", in SE¹/₄ sec. 14, T. 4 S., R. 8 W. (Fairbanks C-5 quad), Hydrologic Unit 19040507, on left bank on east end of Alaska Railroad dock in Nenana, and 0.3 mi upstream from Nenana River.

DRAINAGE AREA.--25,600 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1962 to current year.

REVISED RECORDS.--WSP 2136: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 338.50 ft above sea level. Prior to March 10, 1965, on right bank 280 ft downstream from railroad bridge 0.5 mi upstream at present datum. March 10, 1965 to March 23, 1968, nonrecording gage on railroad bridge 0.5 mi upstream at present datum.

REMARKS.--Records fair. GOES satellite telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 1948 reached a stage of 15.9 ft, discharge, about 135,000 ft³/s, contained in reports of Corps of Engineers.

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	22900	e12000	e9200	e7400	e6800	e6800	e6800	e10000	43400	48000	58900	51900
2	22500	e12000	e9000	e7300	e6800	e6800	e6800	e12000	43100	50100	58100	50900
3	22200	e12000	e8800	e7300	e6800	e6800	e6800	e14000	43900	54600	57900	49200
4	21900	e12000	e8800	e7300	e6800	e6800	e6800	e18000	44100	60100	55800	47600
5	21600	e13000	e8600	e7300	e6800	e6800	e6800	e24000	43200	66700	55300	45800
6	21700	e13000	e8400	e7200	e6800	e6800	e7000	e22000	42100	71900	55900	44800
7	22200	e13000	e8400	e7200	e6800	e6800	e7000	e20000	42500	71800	58400	46700
8	22200	e13000	e8400	e7200	e6800	e6800	e7000	e19000	43500	70400	62300	49300
9	22000	e12500	e8200	e7200	e6800	e6800	e7000	e20000	43000	68900	62600	50700
10	22000	e12000	e8200	e7200	e6800	e6800	e7000	e22000	41800	65100	63500	49300
11	21600	e12000	e8200	e7200	e6800	e6800	e7000	e28000	42200	61000	63500	46400
12	21200	e12000	e8200	e7000	e6800	e6800	e7000	e34000	42600	57600	62100	43400
13	20200	e11000	e8000	e7000	e6800	e6800	e7000	e40000	44000	55700	62600	41600
14	e20000	e11000	e8000	e7000	e6800	e6800	e7000	e43000	49000	55000	62600	40800
15	e19000	e11000	e8000	e7000	e6800	e6800	e7000	e46000	49600	55100	59500	39600
16	e18000	e11000	e8000	e7000	e6800	e6800	e7000	48400	48600	55100	55500	38000
17	e17000	e11000	e7800	e7000	e6800	e6800	e7200	51400	47200	55200	58000	36300
18	e17000	e10000	e7800	e7000	e6800	e6800	e7200	51700	45600	56600	64200	34600
19	e16000	e10000	e7800	e7000	e6800	e6800	e7200	53500	45300	57900	73400	33700
20	e15000	e10000	e7800	e7000	e6800	e6800	e7200	58500	48100	59100	80800	33800
21	e15000	e10000	e7600	e7000	e6800	e6800	e7200	61100	49900	58200	79700	33300
22	e14000	e10000	e7600	e6800	e6800	e6800	e7200	63000	51200	57600	76800	31700
23	e14000	e10000	e7600	e6800	e6800	e6800	e7200	66000	50800	59300	75200	30700
24	e14000	e10000	e7600	e6800	e6800	e6800	e7400	63600	49400	60400	77900	29900
25	e13000	e10000	e7600	e6800	e6800	e6800	e7400	60800	48400	61700	77700	29300
26	e13000	e10000	e7600	e6800	e6800	e6800	e7400	58100	48800	62100	73400	29700
27	e13000	e9800	e7400	e6800	e6800	e6800	e7700	57400	49100	62000	67800	32000
28	e13000	e9600	e7400	e6800	e6800	e6800	e8000	55300	47400	61800	61500	33300
29	e12000	e9600	e7400	e6800	---	e6800	e8400	51900	46200	60100	57300	34300
30	e12000	e9400	e7400	e6800	---	e6800	e9200	47400	46700	60600	54300	34200
31	e12000	---	e7400	e6800	---	e6800	---	45000	---	61400	52700	---
TOTAL	551200	331900	248200	217800	190400	210800	216900	1265100	1380700	1861100	1985200	1192800
MEAN	17780	11060	8006	7026	6800	6800	7230	40810	46020	60040	64040	39760
MAX	22900	13000	9200	7400	6800	6800	9200	66000	51200	71900	80800	51900
MIN	12000	9400	7400	6800	6800	6800	6800	10000	41800	48000	52700	29300
MED	18000	11000	8000	7000	6800	6800	7000	46000	45900	60100	62300	38800
AC-FT	1093000	658300	492300	432000	377700	418100	430200	2509000	2739000	3691000	3938000	2366000
CFSM	0.69	0.43	0.31	0.27	0.27	0.27	0.28	1.59	1.80	2.35	2.50	1.55
IN.	0.80	0.48	0.36	0.32	0.28	0.31	0.32	1.84	2.01	2.70	2.88	1.73

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2002, BY WATER YEAR (WY)#

MEAN	16950	9306	7385	6751	6537	6472	8703	31030	47590	59950	57010	33650
MAX	26870	14070	10770	9065	8171	8161	15090	62210	87390	76770	98210	57690
(WY)	2001	1986	1986	1986	1986	1993	1995	1963	1962	1988	1967	1990
MIN	11420	5517	4532	4694	4421	4071	5870	16030	29750	44920	41510	21710
(WY)	1977	1977	1977	1977	1974	1974	1974	1964	1970	1996	1996	1976

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

15515500 TANANA RIVER AT NENANA—Continued

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1962 - 2002#	
ANNUAL TOTAL	9238900		9652100			
ANNUAL MEAN	25310		26440		24180	
HIGHEST ANNUAL MEAN					29310 1967	
LOWEST ANNUAL MEAN					19530 1970	
HIGHEST DAILY MEAN	93300	Aug 1	80800	Aug 20	183000	Aug 18 1967
LOWEST DAILY MEAN	7400	Mar 26	6800	Jan 22	4000	Mar 6 1974
ANNUAL SEVEN-DAY MINIMUM	a7400	Mar 26	b6800	Jan 22	c4000	Mar 6 1974
MAXIMUM PEAK FLOW			81600	Aug 20	186000	Aug 18 1967
MAXIMUM PEAK STAGE			11.24	Aug 20	d18.90	Aug 18 1967
ANNUAL RUNOFF (AC-FT)	18330000		19140000		17520000	
ANNUAL RUNOFF (CFSM)	0.99		1.03		0.94	
ANNUAL RUNOFF (INCHES)	13.43		14.03		12.83	
10 PERCENT EXCEEDS	59600		60500		58200	
50 PERCENT EXCEEDS	13000		13000		12000	
90 PERCENT EXCEEDS	7600		6800		6200	

See Period of Record, partial years used in monthly statistics

a From Mar. 26 to Apr. 7

b From Jan. 22 to Apr. 5

c From Mar. 6 to Mar. 20, 1974

d At site then in use

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 2001 TO SEPTEMBER 2002

Date	Time	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLE LOC- ATION, CROSS SECTION (FT FM R BK) (72103)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
MAR									
22...	1733	570	--	310	7.5	.0	766	7.9	54
22...	1750	470	--	310	7.5	.0	766	8.0	55
22...	1758	370	--	311	7.5	.0	766	8.0	55
22...	1811	255	--	311	7.5	.0	766	8.0	55
22...	1845	140	--	311	7.5	.0	766	8.1	55
MAY									
14...	1610	190	--	171	7.7	1.5	767	9.3	66
14...	1611	290	--	171	7.7	1.5	767	9.6	68
14...	1614	380	--	171	7.8	1.5	767	9.9	70
14...	1615	440	--	171	7.8	1.5	767	10.0	71
29...	1654	--	245.0	205	8.0	12.1	745	9.0	86
29...	1656	--	345.0	205	8.0	12.1	745	9.1	86
29...	1657	--	410.0	205	8.0	12.1	745	9.1	86
29...	1659	--	470.0	205	8.0	12.1	745	9.1	86
29...	1700	--	520.0	205	8.1	12.1	745	9.1	86
JUL									
16...	1550	550	--	208	8.0	17.3	762	9.3	97
16...	1552	500	--	208	8.0	17.3	762	9.2	96
16...	1553	460	--	208	8.0	17.3	762	9.2	96
16...	1554	384	--	208	8.0	17.3	762	9.2	95
16...	1556	295	--	208	8.0	17.3	762	9.1	95
29...	1345	190	--	206	8.1	14.3	771	9.2	89
29...	1348	350	--	206	8.1	14.3	771	9.2	89
29...	1351	470	--	206	8.1	14.3	771	9.2	89
29...	1355	550	--	206	8.1	14.3	771	9.2	89
29...	1400	660	--	206	8.1	14.3	771	9.2	89
AUG									
21...	1552	140	--	181	7.7	9.2	747	11.3	100
21...	1554	370	--	181	7.7	9.2	747	11.3	100
21...	1556	500	--	181	7.6	9.2	747	11.2	100
21...	1558	550	--	180	7.7	9.2	747	11.2	100
21...	1600	680	--	180	7.6	9.2	747	11.2	100
30...	1612	--	460.0	230	7.7	10.9	758	11.1	101
30...	1614	--	350.0	230	7.5	10.9	758	11.1	101
30...	1616	--	260.0	230	7.5	10.9	758	11.1	101
30...	1617	--	190.0	229	7.5	10.9	758	11.1	101
30...	1618	--	105.0	229	7.6	10.9	758	11.3	102

Date	Time	Medium code	Sample type	STREAM WIDTH (FT) (00004)	GAGE HEIGHT (FEET) (00065)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM- PLING METHOD, CODES (82398)	SAMPLER TYPE (CODE) (84164)	QUALITY ASSUR- ANCE DATA INDICA- TOR CODE (99111)	REP- LICATE TYPE (CODE) (99105)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)
MAR													
22...	1800	9	9	680	--	6600	20	3044	100	--	310	7.6	.0
MAY													
14...	1500	9	9	560	7.20	46100	20	3055	30	--	171	7.8	--
29...	1550	9	9	600	7.89	51000	20	3055	30	--	205	8.0	--
JUL													
16...	1430	9	9	591	8.29	55000	20	3055	100	--	208	8.0	--
29...	1310	9	9	--	8.88	60400	20	3055	30	--	206	8.1	--
AUG													
21...	1330	9	7	740	11.00	72500	20	3055	30	10.00	181	7.7	--
30...	1540	9	9	655	8.16	50000	20	3055	30	--	229	7.5	--

15515500 TANANA RIVER AT NENANA—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY LAB HACH 2100AN (NTU) (99872)	UV ABSORBANCE 254 NM, WTR FLT (UNITS /CM) (50624)	UV ABSORBANCE 280 NM, WTR FLT (UNITS /CM) (61726)	BAROMETRIC PRESURE OF (MM HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (MG/L) (00301)	HARDNESS TOTAL AS (MG/L) (00900)	CALCIUM DIS-SOLVED (MG/L) (00915)	MAGNESIUM, DIS-SOLVED (MG/L) (00925)	SODIUM, DIS-SOLVED (MG/L) (00930)	ANC WATER UNPLTRD FET FIELD (MG/L AS CACO3) (00410)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)
Date	BICARBONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CARBONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	ALKALINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	ALKALINITY WAT DIS FIX END FIELD (MG/L) (39036)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
Date	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHOPHOSPHATE, DIS-SOLVED (MG/L AS P) (00671)	NITROGEN, TOTAL, SEDIMNT SUSP, PERCENT (WEIGHT) (62845)	PHOSPHORUS SEDI-MENT SUSP. PERCENT (30292)	ALUMINUM SED, SUSP. PERCENT (30221)	ALUMINUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTIMONY, DIS-SOLVED (UG/L AS SB) (29816)	ARSENIC SED. SUSP. (UG/G) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (29818)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)
Date	BARIIUM SED. SUSP. (UG/G) (29820)	BARIIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYLLIUM SED. SUSP. (UG/G) (29822)	BERYLLIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM SED. SUSP. (UG/G) (29826)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHROMIUM SED. SUSP. (UG/G) (29829)	CHROMIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT SEDI-MENT SUSP. (UG/G) (35031)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER SED. SUSP. (UG/G) (29832)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)
MAR 22...	.0	4.7	.024	.018	766	8.2	56	150	45.0	9.28	4.11	126	2.24
MAY 14...	1.5	540	.406	.306	767	9.9	70	82	24.0	5.43	2.32	57	1.80
MAY 29...	12.1	790	.130	.097	745	9.0	86	92	25.9	6.57	2.57	65	1.95
JUL 16...	17.3	780	.053	.039	762	9.2	96	98	28.6	6.43	3.48	70	1.98
JUL 29...	14.5	1300	.044	.032	771	9.2	89	98	29.1	6.11	3.28	68	1.92
AUG 21...	9.0	380	.249	.185	747	11.3	79	88	25.3	6.01	2.58	59	1.41
AUG 30...	10.9	210	.125	.091	758	11.1	101	110	31.0	7.67	3.39	76	1.43
MAR 22...	151	.0	124	130	34.3	1.33	.1	14.7	202	187	E.002	.184	.049
MAY 14...	69	.0	57	--	23.1	.45	E.07	6.97	130	99	E.002	.081	E.009
MAY 29...	78	.0	64	--	31.8	.99	E.10	6.79	131	116	E.002	.089	<.015
JUL 16...	85	.0	70	--	30.8	1.23	<.10	6.98	126	122	<.002	.083	<.015
JUL 29...	82	.0	67	--	30.5	1.12	.11	6.61	129	120	<.002	.078	<.015
AUG 21...	72	.0	59	--	27.6	.76	E.09	7.64	132	107	E.002	.122	<.015
AUG 30...	93	.0	76	--	35.2	1.13	E.11	8.86	145	135	E.002	.105	<.015
MAR 22...	.11	.11	.027	<.004	<.007	--	.110	7.0	1	1.5	.17	44	.5
MAY 14...	1.1	.33	2.13	.011	E.004	<.10	.070	6.6	32	1.2	.29	13	1.2
MAY 29...	.64	.13	.83	.006	<.007	<.10	.080	7.8	16	2.2	.47	21	1.0
JUL 16...	.52	E.07	1.35	E.003	<.007	<.10	.080	8.1	22	1.8	.34	16	1.2
JUL 29...	.57	E.08	1.47	E.004	E.004	<.10	.080	7.9	16	1.8	.38	15	.9
AUG 21...	.45	.20	1.24	.006	<.007	<.10	.080	7.0	29	1.2	.30	14	1.1
AUG 30...	.33	.12	.66	E.004	<.007	<.10	.080	7.0	19	1.4	.34	15	1.0
MAR 22...	840	49	1	<.06	22	.7	E.02	100	E.5	17	.19	50	.9
MAY 14...	780	30	1	<.06	11	.3	E.03	85	<.8	14	.34	34	4.6
MAY 29...	1100	31	2	<.06	14	.4	E.02	110	<.8	21	.13	55	3.0
JUL 16...	900	31	2	<.06	18	.2	<.04	95	<.8	21	.08	59	1.5
JUL 29...	880	28	2	<.06	19	.3	<.04	76	<.8	20	.06	54	1.3
AUG 21...	770	25	1	<.06	12	.4	.04	85	E.6	16	.22	40	3.6
AUG 30...	790	32	2	<.06	20	.2	<.04	86	<.8	17	.16	42	2.5

15515500 TANANA RIVER AT NENANA—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	IRON SEDI- MENT SUSP. PERCENT (30269)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD SED. SUSP. (UG/G) (29836)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM SEDI- MENT SUSP. (UG/G) (35050)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MAN- GANESE SED. SUSP. (UG/G) (29839)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY SED. SUSP. (UG/G) (29841)	MOLYB- DENUM SED. SUSP. (UG/G) (29843)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL SED. SUSP. (UG/G) (29845)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)
MAR 22...	5.5	19	20	<.08	23	3.4	1100	89.0	.04	2	1.3	45	.25
MAY 14...	3.4	209	13	.24	20	1.8	680	72.5	.03	1	.7	37	2.71
29...	4.6	25	20	E.07	42	3.1	920	9.1	.04	2	.9	56	1.79
JUL 16...	4.7	E6	20	<.08	31	4.6	800	4.7	.04	3	1.1	46	.44
29...	4.6	E6	20	<.08	30	4.2	770	3.1	.03	2	1.2	43	.77
AUG 21...	4.0	88	18	.11	24	2.6	680	29.3	.20	1	.7	38	2.09
30...	4.0	42	12	<.08	22	4.2	750	19.1	.04	<1	1.2	46	.93
Date	SELE- NIUM SED. SUSP. (UG/G) (29847)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER SED. SUSP. (UG/G) (29850)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM SEDI- MENT SUSP. (UG/G) (35040)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	THAL- LIUM SUS SED (UG/G) (49955)	TITA- NIUM SEDI- MENT SUSP. PERCENT (30317)	VANA- DIUM SED. SUSP. (UG/G) (29853)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC SED. SUSP. (UG/G) (29855)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM SEDI- MENT SUSP. (UG/G) (35046)
MAR 22...	M	.9	<.5	<1	230	193	<50	.370	120	<.2	110	1	<50
MAY 14...	M	E.3	<.5	<1	230	105	<50	.400	110	.9	76	3	<50
29...	M	.5	<.5	<1	220	118	<50	.450	150	1.5	120	2	<50
JUL 16...	M	.7	<.5	<1	240	121	<50	.450	130	1.2	100	<1	<50
29...	M	.4	<.5	<1	240	113	<50	.440	130	.6	94	3	<50
AUG 21...	M	.4	<.5	<1	240	102	<50	.400	110	.6	77	4	<50
30...	M	.6	<.5	<1	230	136	<50	.440	120	.6	75	2	<50
Date	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, INOR- GANIC, PARTIC- ULATE TOTAL (MG/L AS C) (00688)	CARBON, ORGANIC PARTIC- ULATE TOTAL (MG/L AS C) (00689)	CARBON, INORG + ORGANIC PARTIC. TOTAL (MG/L AS C) (00694)	CARBON SED. SUSP. PERCENT (30244)	CARBON, ORGANIC SUS- PENDEd, TOTAL PERCENT (50465)	NITRO- GEN, PAR TICULATE SUSP (MG/L AS N) (49570)	SEDI- MENT SUSP., FLOW- THROUGH CENTRIF (MG/L) (50279)	SEDI- MENT, DIS- SUS- PENDEd, (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDEd (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN (70331)	
MAR 22...	.83	1.0	<.1	.3	.3	1.6	--	<.02	12	13	232	73	
MAY 14...	.68	11.7	1.6	8.6	10.2	.60	.4	.62	2880	3050	379000	46	
29...	.89	3.7	1.1	5.8	6.9	.60	.5	.40	1210	1200	166000	72	
JUL 16...	.82	1.8	1.1	3.8	4.9	.60	.3	.29	1610	1710	254000	69	
29...	.73	1.5	1.6	8.3	9.9	.60	.4	.48	2110	1940	316000	78	
AUG 21...	.60	7.4	1.6	7.2	8.8	.60	.4	.56	1920	1910	374000	61	
30...	.78	3.8	.5	4.4	5.0	.60	.4	.18	952	998	135000	55	

15518080 LIGNITE CREEK ABOVE MOUTH NEAR HEALY

WATER-QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	STREAM WIDTH (FT) (000004)	GAGE HEIGHT (FEET) (000065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (000061)	SAM-PLING METHOD, CODES (82398)	SAMPLER TYPE (CODE) (84164)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	
OCT	05...	1845	23.0	2.76	22	10	3001	7.0	7.0	145	8.6	--	--	--
JUN	21...	1230	45.0	3.45	124	10	3001	5.0	10.5	3640	1220	11	15	22
JUL	09...	1645	39.8	2.56	78	10	3001	13.5	20.5	1320	278	29	40	50
AUG	09...	1924	27.5	2.59	91	10	3001	9.5	8.5	2620	644	24	33	42
	21...	1247	39.5	2.74	108	10	3001	11.0	--	1970	574	23	33	44
SEP	20...	1111	22.6	2.44	61	10	3001	4.0	2.0	1170	193	11	18	23

Date	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM (70332)	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM (70333)	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM (70334)	SED. SUSP. SIEVE DIAM. % FINER THAN 1.00 MM (70335)	SED. SUSP. SIEVE DIAM. % FINER THAN 2.00 MM (70336)
OCT	05...	--	--	47	--	--	--	--
JUN	21...	31	41	47	62	85	97	100
JUL	09...	61	69	72	79	89	97	98
AUG	09...	51	60	66	81	96	100	--
	21...	54	63	65	72	83	98	99
SEP	20...	29	33	37	47	68	95	99
	27...	40	42	55	75	91	97	98

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 May 22, 2002, recording gage at site 40 ft downstream at same datum.

REMARKS.--Records good except for the periods Oct. 1 to 12, 2001 and May 27 to July 10 which are fair and estimated daily discharges which are poor. GOES satellite telemetry at station.

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	75	e11	e3.0	e0.60	e0.00	e0.00	e0.00	e0.20	270	117	48	45
2	74	e10	e2.8	e0.60	e0.00	e0.00	e0.00	e0.20	258	115	46	43
3	71	e9.6	e2.6	e0.40	e0.00	e0.00	e0.00	e0.20	306	114	47	43
4	70	e9.4	e2.6	e0.40	e0.00	e0.00	e0.00	e0.20	337	110	45	43
5	71	e8.8	e2.4	e0.40	e0.00	e0.00	e0.00	e0.40	316	96	44	52
6	74	e8.6	e2.2	e0.40	e0.00	e0.00	e0.00	e0.60	326	90	42	68
7	82	e8.0	e2.0	e0.40	e0.00	e0.00	e0.00	e0.80	307	214	42	72
8	78	e7.6	e2.0	e0.40	e0.00	e0.00	e0.00	e1.0	322	198	40	76
9	72	e7.2	e1.8	e0.40	e0.00	e0.00	e0.00	e1.8	283	139	40	77
10	73	e7.0	e1.8	e0.40	e0.00	e0.00	e0.00	e2.8	240	112	41	73
11	73	e6.8	e1.6	e0.20	e0.00	e0.00	e0.00	e4.4	222	97	45	73
12	65	e6.6	e1.6	e0.20	e0.00	e0.00	e0.00	e8.0	268	89	44	92
13	e54	e6.4	e1.4	e0.20	e0.00	e0.00	e0.00	e12	209	89	57	190
14	e46	e6.2	e1.4	e0.20	e0.00	e0.00	e0.00	e18	232	83	54	179
15	e41	e6.0	e1.2	e0.20	e0.00	e0.00	e0.00	e28	182	78	60	153
16	e36	e6.0	e1.2	e0.20	e0.00	e0.00	e0.00	e44	156	73	70	134
17	e32	e5.8	e1.2	e0.20	e0.00	e0.00	e0.00	e60	143	70	64	122
18	e29	e5.8	e1.0	e0.20	e0.00	e0.00	e0.00	e100	125	66	58	113
19	e27	e5.6	e1.0	e0.20	e0.00	e0.00	e0.00	e160	117	64	71	120
20	e24	e5.6	e1.0	e0.20	e0.00	e0.00	e0.00	e300	160	75	79	111
21	e22	e5.4	e1.0	e0.00	e0.00	e0.00	e0.00	e450	164	67	71	106
22	e21	e5.2	e0.80	e0.00	e0.00	e0.00	e0.00	e800	129	61	64	99
23	e19	e5.0	e0.80	e0.00	e0.00	e0.00	e0.00	e1100	117	59	59	94
24	e18	e4.8	e0.80	e0.00	e0.00	e0.00	e0.00	e1160	105	57	55	91
25	e17	e4.6	e0.80	e0.00	e0.00	e0.00	e0.00	e1310	98	55	53	94
26	e16	e4.2	e0.60	e0.00	e0.00	e0.00	e0.20	e1330	136	57	53	101
27	e15	e4.0	e0.60	e0.00	e0.00	e0.00	e0.20	855	320	63	51	170
28	e14	e3.6	e0.60	e0.00	e0.00	e0.00	e0.20	415	185	62	49	223
29	e13	e3.4	e0.60	e0.00	---	e0.00	e0.20	258	166	57	50	299
30	e12	e3.2	e0.60	e0.00	---	e0.00	e0.20	227	141	53	48	366
31	e11	---	e0.60	e0.00	---	e0.00	---	270	---	50	46	---
TOTAL	1345	191.4	43.60	6.40	0.00	0.00	1.00	8917.60	6340	2730	1636	3522
MEAN	43.4	6.38	1.41	0.21	0.000	0.000	0.033	288	211	88.1	52.8	117
MAX	82	11	3.0	0.60	0.00	0.00	0.20	1330	337	214	79	366
MIN	11	3.2	0.60	0.00	0.00	0.00	0.00	0.20	98	50	40	43
AC-FT	2670	380	86	13	0.00	0.00	2.0	17690	12580	5410	3250	6990
CFSM	0.59	0.09	0.02	0.00	0.00	0.00	0.00	3.92	2.88	1.20	0.72	1.60
IN.	0.68	0.10	0.02	0.00	0.00	0.00	0.00	4.52	3.21	1.38	0.83	1.78

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2002, BY WATER YEAR (WY)#

	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	45.1	14.2	7.30	4.12	2.88	2.31	3.48	220
MAX	88.5	30.0	17.3	12.1	9.07	7.13	9.32	378
(WY)	1999	1999	1999	1999	1999	1999	1998	1998
MIN	16.2	2.28	1.41	0.12	0.000	0.000	0.000	71.7
(WY)	1997	1998	2002	2001	2001	2001	2001	2000

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

15564879 SLATE CREEK AT COLDFOOT—Continued

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1995 - 2002#	
ANNUAL TOTAL	25845.50		24733.00			
ANNUAL MEAN	70.8		67.8		72.1	
HIGHEST ANNUAL MEAN					84.0 1999	
LOWEST ANNUAL MEAN					65.9 2000	
HIGHEST DAILY MEAN	1500	Aug 14	1330	May 26	a2850	May 26 1998
LOWEST DAILY MEAN	b0.00	Jan 13	c0.00	Jan 21	0.00	Jan 13 2001
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 13	0.00	Jan 21	0.00	Jan 13 2001
MAXIMUM PEAK FLOW			d	May 26	f4930	May 26 1998
MAXIMUM PEAK STAGE			17.54	May 26	19.73	May 26 1998
ANNUAL RUNOFF (AC-FT)	51260		49060		52230	
ANNUAL RUNOFF (CFSM)	0.96		0.92		0.98	
ANNUAL RUNOFF (INCHES)	13.10		12.53		13.35	
10 PERCENT EXCEEDS	154		174		178	
50 PERCENT EXCEEDS	6.4		7.0		18	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

See Period of Record; partial years used in monthly summary statistics

a Revised in 1999 from 2740 ft³/s

b From Jan. 13 to May 5

c From Jan. 21 to Apr. 25

d Not determined, see highest daily mean

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 40 ft downstream

15564879 SLATE CREEK AT COLDFOOT—Continued

TEMPERATURE, WATER (DEGREES C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

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	---	---	---	---	---	---	---	---	---	1.5	0.0	0.5
23	---	---	---	---	---	---	---	---	---	1.5	0.0	0.5
24	---	---	---	---	---	---	---	---	---	2.0	0.0	1.0
25	---	---	---	---	---	---	---	---	---	2.0	0.0	1.0
26	---	---	---	---	---	---	---	---	---	2.0	0.0	1.0
27	---	---	---	---	---	---	---	---	---	2.0	0.0	1.0
28	---	---	---	---	---	---	---	---	---	2.5	0.0	1.0
29	---	---	---	---	---	---	---	---	---	2.5	0.0	1.0
30	---	---	---	---	---	---	---	---	---	3.0	0.0	1.0
31	---	---	---	---	---	---	---	---	---	3.0	0.0	1.5
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	3.0	0.0	1.5	8.0	4.0	6.0	13.0	7.5	10.0	8.5	4.5	6.5
2	3.5	0.0	1.0	9.5	4.5	6.5	13.5	8.5	10.5	7.5	3.5	5.5
3	3.0	0.5	1.5	7.5	3.5	5.5	14.0	8.0	11.0	7.5	5.0	6.5
4	2.0	0.0	1.0	8.0	2.5	5.5	13.5	8.0	11.0	7.0	5.0	6.0
5	3.5	0.0	1.5	9.0	3.5	6.0	12.5	8.5	10.5	7.0	6.0	6.5
6	4.0	0.0	2.0	7.0	5.0	6.0	11.0	5.5	8.0	7.5	6.0	6.5
7	4.5	0.5	2.0	6.5	4.5	5.5	11.0	6.0	8.5	8.0	5.0	6.5
8	4.0	1.5	2.5	8.0	4.0	6.0	9.0	6.5	7.5	7.0	5.5	6.0
9	6.0	1.5	3.5	10.0	4.0	6.5	9.5	7.0	8.0	6.5	5.0	5.5
10	6.0	2.0	4.0	11.0	3.5	7.5	9.5	6.5	8.0	5.0	3.5	4.0
11	5.5	2.5	4.0	10.0	5.0	7.5	10.0	6.5	8.0	5.0	4.0	4.5
12	6.5	2.0	4.0	9.5	5.5	7.0	8.5	6.5	7.5	5.0	4.0	4.5
13	5.5	3.0	4.0	10.0	5.5	7.5	9.0	6.0	7.5	5.0	4.0	4.5
14	7.0	2.5	5.0	10.0	6.0	8.0	9.5	4.0	7.0	6.0	3.5	4.5
15	8.5	2.0	5.0	12.0	6.0	9.0	8.0	6.0	6.5	6.0	2.5	4.5
16	9.5	3.0	6.0	12.0	6.0	9.0	9.0	6.0	7.5	5.5	3.0	4.0
17	9.5	3.5	6.5	13.5	7.0	10.0	8.0	5.5	7.0	5.5	2.0	3.5
18	9.0	2.5	5.5	14.0	6.5	10.0	7.0	4.5	6.0	5.5	2.5	4.0
19	10.0	4.0	6.5	14.0	7.5	10.5	7.5	5.5	6.5	4.5	2.0	3.0
20	6.5	4.0	5.0	13.5	7.5	10.5	8.0	4.5	6.0	4.0	2.0	3.0
21	5.5	1.5	3.5	14.0	7.5	10.5	7.5	3.0	5.5	3.5	1.5	2.5
22	5.0	2.5	4.0	13.0	7.5	10.0	8.5	4.0	6.0	3.5	0.0	1.5
23	5.0	3.5	4.0	10.5	8.5	9.5	8.0	3.0	5.5	4.0	0.5	2.0
24	9.5	2.5	5.5	14.5	7.5	10.5	8.5	3.0	5.5	3.0	0.5	1.5
25	11.5	3.5	7.5	12.0	8.5	9.0	8.5	3.0	6.0	4.5	2.5	3.5
26	12.0	4.0	7.5	9.5	7.0	8.0	8.5	5.5	6.5	4.5	3.0	4.0
27	7.5	2.5	5.0	10.5	7.0	8.5	9.0	5.0	6.5	4.0	3.0	3.5
28	7.0	4.5	6.0	12.5	6.5	9.0	7.5	4.0	6.0	4.0	2.5	3.0
29	6.5	4.5	5.5	13.0	6.0	9.0	8.0	5.5	6.5	3.5	3.0	3.0
30	6.0	4.0	5.0	12.5	6.5	9.5	7.5	3.0	5.5	3.0	2.5	2.5
31	---	---	---	13.0	7.0	10.0	8.0	4.5	6.0	---	---	---
MONTH	12.0	0.0	4.2	14.5	2.5	8.2	14.0	3.0	7.4	8.5	0.0	4.2

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 good, except for July 8 to July 13 and July 24 to Aug. 20, which are fair and estimated daily discharges, which are poor. GOES satellite telemetry at station.

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	e290000	e130000	e70000	e55000	e48000	e44000	e38000	e48000	761000	407000	308000	375000
2	e280000	e120000	e70000	e55000	e48000	e44000	e38000	e53000	750000	396000	307000	380000
3	e280000	e120000	e70000	e55000	e48000	e44000	e38000	e57000	735000	389000	307000	384000
4	e290000	e120000	e65000	e55000	e48000	e42000	e38000	e63000	718000	382000	307000	386000
5	e280000	e120000	e65000	e55000	e48000	e42000	e38000	e70000	701000	375000	307000	387000
6	e270000	e110000	e65000	e55000	e48000	e42000	e38000	e81000	682000	368000	310000	389000
7	e260000	e110000	e65000	e55000	e48000	e42000	e38000	e93000	663000	360000	312000	391000
8	e250000	e110000	e65000	e55000	e48000	e42000	e38000	e105000	640000	354000	312000	391000
9	e240000	e110000	e65000	e55000	e46000	e42000	e38000	e117000	619000	352000	311000	389000
10	e230000	e100000	e65000	e55000	e46000	e42000	e38000	e136000	602000	348000	315000	385000
11	e220000	e100000	e60000	e55000	e46000	e42000	e38000	e151000	586000	346000	319000	381000
12	e210000	e100000	e60000	e50000	e46000	e42000	e38000	e169000	569000	345000	322000	379000
13	e210000	e100000	e60000	e50000	e46000	e40000	e38000	e184000	550000	344000	325000	377000
14	e200000	e95000	e60000	e50000	e46000	e40000	e38000	e220000	532000	346000	327000	375000
15	e200000	e95000	e60000	e50000	e46000	e40000	e38000	e250000	515000	345000	323000	373000
16	e190000	e95000	e60000	e50000	e46000	e40000	e38000	e290000	497000	344000	320000	371000
17	e190000	e90000	e60000	e50000	e46000	e40000	e38000	e330000	481000	343000	316000	373000
18	e180000	e90000	e60000	e50000	e44000	e40000	e38000	e370000	466000	343000	310000	374000
19	e180000	e90000	e60000	e50000	e44000	e40000	e38000	e430000	454000	340000	304000	375000
20	e170000	e85000	e60000	e50000	e44000	e40000	e38000	e501000	447000	336000	298000	375000
21	e170000	e85000	e60000	e50000	e44000	e40000	e38000	e577000	443000	331000	295000	376000
22	e160000	e85000	e60000	e50000	e44000	e40000	e38000	e647000	441000	328000	292000	377000
23	e160000	e85000	e55000	e50000	e44000	e40000	e38000	e745000	442000	324000	293000	377000
24	e150000	e85000	e55000	e50000	e44000	e40000	e38000	e829000	443000	322000	294000	377000
25	e150000	e80000	e55000	e50000	e44000	e40000	e40000	e870000	442000	321000	298000	376000
26	e150000	e80000	e55000	e50000	e44000	e40000	e40000	e884000	438000	319000	306000	372000
27	e140000	e75000	e55000	e50000	e44000	e40000	e42000	e865000	434000	317000	319000	366000
28	e140000	e75000	e55000	e48000	e44000	e40000	e44000	842000	429000	313000	336000	367000
29	e140000	e75000	e55000	e48000	---	e38000	e46000	814000	423000	310000	350000	368000
30	e130000	e70000	e55000	e48000	---	e38000	e47000	800000	416000	308000	360000	371000
31	e130000	---	e55000	e48000	---	e38000	---	782000	---	309000	368000	---
TOTAL	6240000	2885000	1880000	1597000	1282000	1264000	1171000	12373000	16319000	10665000	9771000	11337000
MEAN	201300	96170	60650	51520	45790	40770	39030	399100	544000	344000	315200	377900
MAX	290000	130000	70000	55000	48000	44000	47000	884000	761000	407000	368000	391000
MIN	130000	70000	55000	48000	44000	38000	38000	48000	416000	308000	292000	366000
AC-FT12380000	5722000	3729000	3168000	2543000	2507000	2323000	24540000	32370000	21150000	19380000	22490000	
CFSM	0.63	0.30	0.19	0.16	0.14	0.13	0.12	1.24	1.69	1.07	0.98	1.18
IN.	0.72	0.33	0.22	0.19	0.15	0.15	0.14	1.43	1.89	1.24	1.13	1.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2002, BY WATER YEAR (WY)#

	1976	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
MEAN	252000	126800	75880	61500	53110	48080	46110	272600	582900	450500	394400	360200															
MAX	335900	188800	94840	76000	65360	56770	55000	501700	844600	563500	515800	481300															
(WY)	1991	1987	1986	1986	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															

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

15565447 YUKON RIVER AT PILOT STATION—Continued

SUMMARY STATISTICS	FOR 2002 WATER YEAR		WATER YEARS 1976 - 2002#	
ANNUAL TOTAL	76784000			
ANNUAL MEAN	210400		226600	
HIGHEST ANNUAL MEAN			253700	1994
LOWEST ANNUAL MEAN			185300	1978
HIGHEST DAILY MEAN	884000	May 26	ae1100000	Jun 5 1985
LOWEST DAILY MEAN	b38000	Mar 29	c35000	Feb 23 1984
ANNUAL SEVEN-DAY MINIMUM	38000	Mar 29	35000	Feb 23 1984
MAXIMUM PEAK FLOW	882000	May 28	d1070000	Jun 9 1985
MAXIMUM PEAK STAGE	d27.03	May 28	d27.50	Jun 9 1985
MAXIMUM PEAK STAGE			f36.25	May 25 1989
ANNUAL RUNOFF (AC-FT)	152300000		164200000	
ANNUAL RUNOFF (CFSM)	0.66		0.71	
ANNUAL RUNOFF (INCHES)	8.90		9.59	
10 PERCENT EXCEEDS	441000		500000	
50 PERCENT EXCEEDS	110000		130000	
90 PERCENT EXCEEDS	40000		47000	

See Period of Record, partial years used in monthly statistics
a Jun. 5-8, 1985
b Mar. 29 to Apr 24
c Feb. 23 to Mar. 27, 1984
d Not determined. See highest daily mean
e Estimated
f 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 2001 TO SEPTEMBER 2002

Date	Time	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN, DIS- SOLVED (MG/L) (00300)						
APR 2002														
02...	1710	1350	325	6.9	.0	778	2.4	16						
02...	1800	1100	326	6.9	.0	778	2.5	17						
02...	1815	700	327	6.9	.0	778	2.4	16						
02...	1855	1550	323	7.0	.0	778	2.4	16						
02...	1900	1750	321	6.9	.0	778	2.4	16						
JUN														
12...	1505	2450	140	7.6	13.5	773	8.9	84						
12...	1513	2100	141	7.6	13.5	773	8.8	83						
12...	1520	1800	143	7.6	13.5	773	8.7	82						
12...	1530	1450	143	7.7	13.5	773	8.6	81						
12...	1535	950	143	7.6	13.5	773	8.6	81						
JUL														
16...	0858	625	219	7.9	16.0	763	9.8	99						
16...	0904	1140	219	7.9	16.0	763	9.7	98						
16...	0908	1480	219	7.8	16.0	763	9.7	98						
16...	0910	1740	219	7.8	16.0	763	9.7	98						
16...	0913	2000	214	7.8	16.0	763	9.7	98						
SEP														
24...	1745	600	221	7.9	8.0	760	11.0	93						
24...	1746	1100	221	7.9	8.0	760	11.0	93						
24...	1748	1500	221	7.9	8.0	760	10.9	92						
24...	1750	1900	219	7.9	8.0	760	11.0	93						
24...	1751	2200	218	7.9	8.0	760	10.9	92						
Date	BARIUM SED. SUSP. UG/G) (29820)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM SED. SUSP. (UG/G) (29822)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM SED. SUSP. (UG/G) (29826)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM SED. SUSP. (UG/G) (29829)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT SEDI- MENT SUSP. (UG/G) (35031)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER SED. SUSP. (UG/G) (29832)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	
APR														
02...	970	82	1	<.06	11	2.1	E.03	210	<.8	15	.25	89	.8	
JUN														
12...	940	38	2	<.06	E6	.5	.05	110	<.8	17	.11	33	5.0	
20...	920	42	2	<.06	E5	.4	E.03	100	<.8	17	.09	34	3.3	
JUL														
01...	980	39	2	<.06	E6	.4	E.02	110	<.8	19	.09	40	3.3	
16...	1000	42	2	<.06	7	.4	E.04	110	<.8	21	.12	51	2.6	
AUG														
08...	1000	52	2	<.06	14	.5	E.02	110	<.8	23	.08	57	2.1	
SEP														
24...	1000	39	2	<.06	E6	.5	.04	100	<.8	18	.12	41	2.7	
Date	TEMPER- ATURE WATER (DEG C) (00010)	TURBID- ITY LAB HACH 2100AN (NTU) (99872)	UV ABSORB- ANCE 254 NM, WTR FLT (UNITS /CM) (50624)	UV ABSORB- ANCE 280 NM, WTR FLT (UNITS /CM) (61726)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	HARD- NESS TOTAL (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ANC WATER UNFLTRD FET FIELD MG/L AS (00410)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	
APR														
02...	.0	9.7	.053	.038	778	2.5	17	160	45.3	10.4	3.36	155	1.35	
JUN														
12...	13.5	76	.369	.280	773	8.7	84	73	22.3	4.25	1.46	51	1.14	
20...	17.5	78	.291	.218	764	8.0	83	79	22.9	5.23	1.95	66	1.14	
JUL														
01...	16.5	79	.272	.203	764	8.6	87	93	27.0	6.21	2.11	69	1.16	
16...	16.0	230	.165	.120	763	9.7	98	93	26.6	6.47	2.26	79	1.14	
AUG														
08...	19.0	--	.107	.077	760	9.0	97	110	30.1	7.41	2.84	80	1.61	
SEP														
24...	8.0	7.6	.187	.138	760	11.0	93	110	30.1	8.19	2.59	74	1.00	

15565447 YUKON RIVER AT PILOT STATION—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKALINITY WAT DIS TOT IT MG/L AS CAC03 (39086)	ALKALINITY WAT DIS FIX END CAC03 (39036)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLORIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUORIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (70301)	NITROGEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)
APR 02...	188	.0	154	160	26.4	.98	.2	11.6	200	193	E.002	.163	.125
JUN 12...	61	.0	50	--	14.4	.56	E.08	4.57	107	79	E.002	.046	E.011
JUN 20...	79	.0	65	--	19.5	.72	E.08	5.10	114	96	E.002	.055	<.015
JUL 01...	83	.0	68	--	22.9	.62	E.06	5.97	119	107	E.002	.056	<.015
JUL 16...	93	.0	76	--	28.4	1.23	E.11	5.53	142	118	E.002	.079	<.015
AUG 08...	98	.0	80	--	31.1	.77	.12	6.22	140	129	E.002	.079	<.015
SEP 24...	90	.0	74	--	31.6	.69	E.10	7.11	137	126	E.002	.087	<.015

Date	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DIS- SOLVED (MG/L AS P) (00666)	ORTHO-PHOSPHATE, DIS- SOLVED (MG/L AS P) (00671)	NITROGEN, TOTAL, SEDIMENT SUSP. PERCENT (WEIGHT PERCENT) (62845)	PHOSPHORUS SEDI- MENT SUSP. PERCENT (30292)	ALUMINUM, DIS- SOLVED (UG/L AS AL) (30221)	ALUMINUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTIMONY, DIS- SOLVED (UG/L AS SB) (29816)	ARSENIC SED. SUSP. (UG/G) (29818)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	
APR 02...	.22	.16	.023	E.002	<.007	--	.350	2.8	<1	2.6	<.05	120	.3
JUN 12...	.70	.41	.22	.014	<.007	.10	.090	6.9	18	1.5	.26	13	.8
JUN 20...	.59	.24	.27	.011	E.005	<.10	.090	6.9	15	1.5	.27	13	1.0
JUL 01...	E.44	.19	E.183	.011	E.005	.13	.100	7.2	13	2.0	.27	15	.9
JUL 16...	.46	.13	.35	.008	E.004	.10	.100	7.8	44	2.1	.29	18	.8
AUG 08...	.44	.10	.47	.005	<.007	<.10	.100	8.1	16	2.2	.39	18	.9
SEP 24...	.35	.17	.026	.007	<.007	--	.090	7.2	11	1.6	.23	15	.8

Date	BARIUM SED. SUSP. (UG/G) (29820)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYLLIUM SED. SUSP. (UG/G) (29822)	BERYLLIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM SED. SUSP. (UG/G) (29826)	CADMIUM, DIS- SOLVED (UG/L AS CD) (01025)	CHROMIUM SED. SUSP. (UG/G) (29829)	CHROMIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT SEDI- MENT SUSP. (UG/G) (35031)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER SED. SUSP. (UG/G) (29832)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
APR 02...	970	82	1	<.06	11	2.1	E.03	210	<.8	15	.25	89	.8
JUN 12...	940	38	2	<.06	E6	.5	.05	110	<.8	17	.11	33	5.0
JUN 20...	920	42	2	<.06	E5	.4	E.03	100	<.8	17	.09	34	3.3
JUL 01...	980	39	2	<.06	E6	.4	E.02	110	<.8	19	.09	40	3.3
JUL 16...	1000	42	2	<.06	7	.4	E.04	110	<.8	21	.12	51	2.6
AUG 08...	1000	52	2	<.06	14	.5	E.02	110	<.8	23	.08	57	2.1
SEP 24...	1000	39	2	<.06	E6	.5	.04	100	<.8	18	.12	41	2.7

Date	IRON SEDI- MENT SUSP. PERCENT (30269)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD SED. SUSP. (UG/G) (29836)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM SEDI- MENT SUSP. (UG/G) (35050)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MAN- GANESE SED. SUSP. (UG/G) (29839)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY SED. SUSP. (UG/G) (29841)	MOLYB- DENUM SED. SUSP. (UG/G) (29843)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL SED. SUSP. (UG/G) (29845)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)
APR 02...	19	51	47	<.08	13	2.8	1600	162	--	9	.8	89	1.39
JUN 12...	3.9	279	18	.29	30	1.7	810	15.1	.06	2	1.6	51	1.58
JUN 20...	4.0	320	16	.31	28	1.7	850	9.9	.05	1	.7	48	1.20
JUL 01...	4.5	238	18	.14	34	2.1	910	6.6	.05	2	.7	54	1.22
JUL 16...	5.0	115	21	.32	42	2.6	940	4.9	.07	2	.9	52	1.53
AUG 08...	5.2	24	19	E.06	40	3.1	960	2.4	.08	2	1.0	55	.75
SEP 24...	4.3	125	16	.09	34	2.5	890	6.9	.07	2	.9	57	2.21

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	SELENIUM, DIS-SOLVED SUSP. (UG/G) (29847)	SELENIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED SUSP. (UG/G) (29850)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRONTIUM, SEDI-MENT SUSP. (UG/G) (35040)	STRONTIUM, DIS-SOLVED (UG/L AS SR) (01080)	THALLIUM SUSP. (UG/G) (49955)	TITANIUM, SEDI-MENT SUSP. PERCENT (30317)	VANADIUM, DIUM SED. (UG/G) (29853)	VANADIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED SUSP. (UG/G) (29855)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM, SEDI-MENT SUSP. (UG/G) (35046)
APR 02...	3	.3	<.5	<1	260	188	<250	.230	100	.8	360	3	<250
JUN 12...	M	<.3	<.5	<1	220	80.1	<50	.460	130	.9	110	1	<50
JUN 20...	M	.3	<.5	<1	240	88.4	<50	.470	130	.9	110	1	<50
JUL 01...	M	.4	<.5	<1	230	99.1	<50	.470	140	.7	130	1	<50
JUL 16...	M	.4	M	<1	240	105	<50	.460	150	.9	130	3	<50
AUG 08...	M	E.2	<.5	<1	260	135	<50	.460	160	1.4	130	1	<50
SEP 24...	M	.4	<.5	<1	250	118	<50	.450	140	.7	120	2	<50
Date	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	TRITIUM IN WATER MOLECULES (TU) (07012)	TRITIUM WATER MOLECULES COUNT ERROR (TU) (07013)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, INORGANIC, PARTICULATE TOTAL (MG/L AS C) (00688)	CARBON, ORGANIC, PARTICULATE TOTAL (MG/L AS C) (00689)	CARBON, INORGANIC + ORGANIC PARTICULATE TOTAL (MG/L AS C) (00694)	CARBON SED. SUSP. PERCENT (30244)	CARBON, ORGANIC SUSPENDED, TOTAL (PERCENT) (50465)	NITROGEN, PARTICULATE SUSP. (MG/L AS N) (49570)	SEDI-MENT, FLOW-THROUGH CENTRIFUGED (MG/L) (50279)	SEDI-MENT, SUSPENDED (MG/L) (80154)	SEDI-MENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
APR 02...	.89	11.9	.5	2.3	<.1	.4	.4	--	--	.04	2	3.0	310
JUN 12...	.36	9.1	.4	10.6	<.1	1.3	1.4	1.4	1.4	.11	283	342	526000
JUN 20...	.47	9.7	.4	7.8	<.1	2.9	3.0	1.4	1.2	.16	260	269	324000
JUL 01...	.54	10.6	.4	7.3	<.1	1.3	1.3	1.5	1.3	.07	--	--	--
JUL 16...	.69	10.8	.4	4.5	.7	4.5	5.2	1.6	1.1	.28	363	344	320000
AUG 08...	.84	11.0	.7	3.5	2.7	3.9	6.7	1.7	.9	.26	494	502	430000
SEP 24...	.67	11.3	.7	6.0	<.1	2.7	2.7	1.6	1.3	.16	190	200	198000