

15320100 WADE CREEK TRIBUTARY NEAR CHICKEN

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

DRAINAGE AREA.--4.24 mi².

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

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

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

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

EXTREMES FOR CURRENT PERIOD.--Maximum discharge 96 ft³/s May 28, 2005, gage height, 21.80 ft; no flow most days during the winter.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.05	---	---	---	---	---	---	---	6.7	0.15	0.09	0.18
2	0.04	---	---	---	---	---	---	---	4.0	0.24	0.11	0.25
3	0.04	---	---	---	---	---	---	---	2.6	0.67	0.14	e0.24
4	0.04	---	---	---	---	---	---	---	1.6	0.59	0.14	e0.21
5	0.04	---	---	---	---	---	---	---	1.1	0.47	0.13	e0.19
6	0.04	---	---	---	---	---	---	---	0.85	0.41	0.15	e0.18
7	0.04	---	---	---	---	---	---	---	0.75	0.33	0.18	e0.17
8	0.03	---	---	---	---	---	---	---	0.67	0.27	0.18	0.24
9	0.02	---	---	---	---	---	---	---	0.59	0.24	0.16	0.26
10	e0.01	---	---	---	---	---	---	e1.6	0.42	0.23	0.15	0.30
11	---	---	---	---	---	---	---	1.2	0.35	0.22	0.14	0.35
12	---	---	---	---	---	---	---	0.90	2.5	0.20	0.14	0.35
13	---	---	---	---	---	---	---	0.80	9.7	0.19	0.13	1.1
14	---	---	---	---	---	---	---	0.73	3.0	0.17	0.12	1.4
15	---	---	---	---	---	---	---	0.61	1.1	0.15	e0.11	1.1
16	---	---	---	---	---	---	---	0.43	0.64	0.14	e0.10	0.96
17	---	---	---	---	---	---	---	6.9	0.47	0.15	e0.11	0.93
18	---	---	---	---	---	---	---	10	0.41	0.17	0.12	1.3
19	---	---	---	---	---	---	---	4.5	0.35	0.16	0.12	1.3
20	---	---	---	---	---	---	---	2.3	0.36	0.14	0.13	1.2
21	---	---	---	---	---	---	---	3.4	0.31	0.12	0.14	1.2
22	---	---	---	---	---	---	---	5.6	0.27	0.11	0.14	1.2
23	---	---	---	---	---	---	---	4.8	0.27	0.11	0.14	1.2
24	---	---	---	---	---	---	---	3.4	0.25	0.11	e0.12	1.2
25	---	---	---	---	---	---	---	11	0.23	0.11	e0.12	1.2
26	---	---	---	---	---	---	---	16	0.20	0.10	e0.11	1.1
27	---	---	---	---	---	---	---	8.9	0.17	0.09	e0.11	1.0
28	---	---	---	---	---	---	---	46	0.16	0.08	e0.11	e0.95
29	---	---	---	---	---	---	---	12	0.16	0.08	e0.10	e0.90
30	---	---	---	---	---	---	---	6.0	0.15	0.09	e0.11	e0.80
31	---	---	---	---	---	---	---	5.3	---	0.08	0.15	---
TOTAL	---	---	---	---	---	---	---	---	40.33	6.37	4.00	22.96
MEAN	---	---	---	---	---	---	---	---	1.34	0.21	0.13	0.77
MAX	---	---	---	---	---	---	---	---	9.7	0.67	0.18	1.4
MIN	---	---	---	---	---	---	---	---	0.15	0.08	0.09	0.17
AC-FT	---	---	---	---	---	---	---	---	80	13	7.9	46
CFSM	---	---	---	---	---	---	---	---	0.32	0.05	0.03	0.18
IN.	---	---	---	---	---	---	---	---	0.35	0.06	0.04	0.20

e Estimated

15356000 YUKON RIVER AT EAGLE (International Gaging Station)

LOCATION.--Lat 64°47'22", long 141°11'52", in NW $\frac{1}{4}$ 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, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75300	e45000	e28000	e22000	e20000	e19000	e19000	e39000	280000	167000	160000	118000
2	75000	e44000	e28000	e22000	e20000	e19000	e19000	e44000	286000	166000	163000	120000
3	75200	e43000	e28000	e21000	e19000	e19000	e19000	e50000	283000	169000	167000	126000
4	75000	e42000	e27000	e21000	e19000	e19000	e19000	e57000	276000	185000	164000	129000
5	74500	e40000	e27000	e21000	e19000	e19000	e19000	e63000	268000	210000	160000	127000
6	74000	e38000	e27000	e21000	e19000	e19000	e19000	e72000	257000	221000	158000	123000
7	74300	e36000	e27000	e21000	e19000	e19000	e19000	e85000	251000	213000	154000	120000
8	76400	e34000	e26000	e21000	e19000	e19000	e19000	e100000	250000	206000	153000	117000
9	77300	e33000	e26000	e21000	e19000	e19000	e19000	e115000	248000	202000	152000	114000
10	77000	e33000	e26000	e21000	e19000	e19000	e19000	e130000	238000	198000	151000	112000
11	76300	e34000	e25000	e21000	e19000	e19000	e19000	144000	232000	194000	150000	111000
12	75000	e36000	e25000	e21000	e19000	e19000	e19000	151000	232000	182000	149000	111000
13	74200	e37000	e25000	e20000	e19000	e19000	e19000	159000	231000	173000	147000	111000
14	73900	e37000	e24000	e20000	e19000	e19000	e19000	171000	232000	170000	146000	115000
15	73300	e37000	e24000	e20000	e19000	e19000	e19000	185000	232000	166000	146000	120000
16	72600	e36000	e24000	e20000	e19000	e19000	e19000	198000	231000	162000	147000	122000
17	71400	e35000	e24000	e20000	e19000	e19000	e19000	211000	227000	159000	146000	124000
18	70100	e35000	e23000	e20000	e19000	e19000	e19000	230000	220000	156000	143000	125000
19	68400	e35000	e23000	e20000	e19000	e19000	e19000	259000	212000	160000	140000	125000
20	64000	e34000	e23000	e20000	e19000	e19000	e19000	264000	204000	168000	137000	126000
21	e61000	e33000	e23000	e20000	e19000	e19000	e19000	269000	206000	174000	131000	126000
22	e59000	e33000	e23000	e20000	e19000	e19000	e20000	274000	223000	176000	128000	125000
23	e57000	e32000	e23000	e20000	e19000	e19000	e20000	287000	219000	174000	121000	123000
24	e55000	e32000	e23000	e20000	e19000	e19000	e21000	298000	199000	166000	119000	123000
25	e53000	e31000	e22000	e20000	e19000	e19000	e22000	300000	186000	157000	122000	124000
26	e51000	e31000	e22000	e20000	e19000	e19000	e23000	297000	178000	152000	123000	125000
27	e50000	e30000	e22000	e20000	e19000	e19000	e25000	293000	172000	149000	129000	125000
28	e49000	e30000	e22000	e20000	e19000	e19000	e28000	291000	168000	147000	130000	123000
29	e48000	e29000	e22000	e20000	---	e19000	e32000	308000	169000	145000	127000	121000
30	e47000	e29000	e22000	e20000	---	e19000	e35000	287000	169000	147000	123000	121000
31	e46000	---	e22000	e20000	---	e19000	---	277000	---	152000	119000	---
TOTAL	2049200	1054000	756000	634000	534000	589000	625000	5908000	6779000	5366000	4405000	3632000
MEAN	66100	35130	24390	20450	19070	19000	20830	190600	226000	173100	142100	121100
MAX	77300	45000	28000	22000	20000	19000	35000	308000	286000	221000	167000	129000
MIN	46000	29000	22000	20000	19000	19000	19000	39000	168000	145000	119000	111000
AC-FT	4065000	2091000	1500000	1258000	1059000	1168000	1240000	11720000	13450000	10640000	8737000	7204000
CFSM	0.58	0.31	0.21	0.18	0.17	0.17	0.18	1.68	1.99	1.53	1.25	1.07
IN.	0.67	0.35	0.25	0.21	0.18	0.19	0.20	1.94	2.22	1.76	1.44	1.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2005, BY WATER YEAR (WY)#

	MEAN	74530	38360	25800	21130	18880	17320	19340	126200	223100	181000	143700	112200
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 and break in record
e Estimated

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1950 - 2005#	
ANNUAL TOTAL	28507700		32331200		84050	
ANNUAL MEAN	77890		88580		110900	1964
HIGHEST ANNUAL MEAN					61020	1958
LOWEST ANNUAL MEAN					545000	Jun 12 1964
HIGHEST DAILY MEAN	282000	Jun 12	308000	May 29	61020	1958
LOWEST DAILY MEAN	a19000	Mar 21	b19000	Feb 3	c7200	Feb 1 1951
ANNUAL SEVEN-DAY MINIMUM	19000	Mar 21	19000	Feb 3	7200	Feb 1 1951
MAXIMUM PEAK FLOW			314000	May 29	545000	Jun 12 1964
MAXIMUM PEAK STAGE			24.70	May 29	33.85	Jun 12 1964
ANNUAL RUNOFF (AC-FT)	56550000		64130000		60890000	
ANNUAL RUNOFF (CFSM)	0.686		0.780		0.740	
ANNUAL RUNOFF (INCHES)	9.34		10.60		10.06	
10 PERCENT EXCEEDS	194000		212000		197000	
50 PERCENT EXCEEDS	44500		45000		45000	
90 PERCENT EXCEEDS	19500		19000		16500	

See Period of Record; partial years used in monthly statistics and break in record

a From Mar. 21 to Apr. 23

b From Feb. 3 to Apr. 21

c Feb. 1 to 28, 1951

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

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1950-57, 1962-70, 1974-76, 1978-79 and 2001 to August 2005 (discontinued).

PERIOD OF DAILY RECORD.--
SUSPENDED SEDIMENT: 1962 to 1966

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Loca- tion in X-sect. looking dwnstrm ft from l bank (00009)	Sample loc- ation, cross section ft from rt bank (72103)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temper- ature, water, deg C (00010)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)
APR									
07...	1800	130	--	256	7.6	.0	734	10.8	77
07...	1802	270	--	256	7.6	.0	734	10.8	77
07...	1804	410	--	256	7.6	.0	734	10.8	77
07...	1806	550	--	256	7.6	.0	734	10.8	77
07...	1808	730	--	259	7.6	.0	734	10.8	77
MAY									
11...	1050	--	450.0	174	7.9	8.0	747	11.0	95
11...	1052	--	650.0	173	7.9	8.1	747	11.0	95
11...	1054	--	800.0	171	7.9	8.1	747	11.0	95
11...	1056	--	950.0	171	7.9	8.1	747	11.6	100
11...	1058	--	1150	171	7.9	8.1	747	11.2	97
24...	1220	--	450.0	177	7.8	9.1	752	10.7	94
24...	1222	--	650.0	178	7.9	9.3	752	10.6	94
24...	1224	--	800.0	179	7.9	9.3	752	10.6	94
24...	1226	--	950.0	179	8.0	9.3	752	10.6	94
24...	1228	--	1150	180	8.0	9.3	752	10.6	94
JUN									
14...	1240	--	368.0	214	--	14.4	736	96.0	974
14...	1242	--	576.0	213	7.9	14.5	737	--	--
14...	1244	--	716.0	212	7.9	14.3	736	9.5	96
14...	1246	--	903.0	212	--	14.4	736	9.5	96
14...	1248	--	1125	212	7.9	14.4	736	9.4	95
JUL									
07...	1120	--	450.0	200	8.0	14.6	--	10.6	--
07...	1122	--	650.0	197	8.0	14.7	--	9.8	--
07...	1124	--	800.0	197	8.0	14.7	--	9.8	--
07...	1126	--	950.0	196	8.0	14.7	--	9.8	--
07...	1128	--	1180	196	8.0	14.6	--	9.8	--
AUG									
04...	1100	--	374.0	220	8.1	13.3	736	9.8	97
04...	1102	--	600.0	216	8.1	13.4	736	9.8	97
04...	1104	--	775.0	215	8.1	13.4	736	9.8	97
04...	1106	--	955.0	214	8.1	13.4	736	9.8	97
04...	1108	--	1080	214	8.1	13.4	736	9.8	97
30...	1120	--	403.0	237	8.2	11.5	735	9.8	93
30...	1122	--	554.0	236	8.2	11.4	735	9.7	92
30...	1124	--	700.0	236	8.2	11.4	735	9.7	92
30...	1126	--	850.0	236	8.2	11.4	735	9.7	92
30...	1128	--	1030	236	8.2	11.4	735	9.6	91

Date	Time	Medium code	Sample type	Ice thick- ness, feet (82130)	Stream width, feet (00004)	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Sam- pling method, code (82398)	Sampler type, code (84164)	Type of sample related QA data, code (99111)	Type of blank solu- tion, code (99100)	Type of blank sample, code (99102)	Type of repli- cate, code (99105)
APR													
07...	1740	9	9	4.00	--	--	19200	20	3061	10	--	150	--
MAY													
11...	1030	9	9	--	--	15.80	142000	20	3055	110	--	--	--
24...	1200	9	9	--	1600	--	300000	--	--	30	--	--	10
JUN													
14...	1220	9	9	--	1520	--	240000	20	3055	110	--	--	--
JUL													
07...	1100	9	9	--	1500	--	220000	20	3055	110	--	--	--
AUG													
04...	1040	9	9	--	--	--	163000	20	3055	110	--	--	--
30...	1100	9	9	--	1450	14.24	127000	20	3055	10	200	150	--

15356000 YUKON RIVER AT EAGLE—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Specif. conduc- tance, wat unf 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	UV absorb- ance, 254 nm, wat flt units /cm (50624)	UV absorb- ance, 280 nm, wat flt units /cm (61726)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)
APR 07...	256	7.6	1.5	.0	2	.0322	.0227	735	10.8	77	130	35.6	9.42
MAY 11...	172	7.9	--	8.1	77	.4630	.3472	747	11.2	97	88	24.0	6.85
24...	179	7.9	--	9.3	177	.2507	.1882	--	10.6	--	88	23.7	7.02
JUN 14...	213	7.9	18.0	14.5	105	.0977	.0712	736	9.5	97	100	28.3	8.21
JUL 07...	197	8.0	--	14.7	386	.2329	.1730	--	9.8	--	100	28.3	7.66
AUG 04...	216	8.1	--	13.4	144	.1930	.1416	736	9.7	96	110	29.9	7.70
30...	236	8.2	--	11.5	239	.0896	.0651	735	9.7	92	110	31.8	8.48
Date	Sodium, water, fltrd, mg/L (00930)	Potas- sium, water, fltrd, mg/L (00935)	Bicar- bonate, wat flt incrm. titr., field, mg/L (00453)	Carbon- ate, wat flt incrm. titr., field, mg/L (00452)	Alka- linity, wat flt inc tit field, mg/L as CaCO3 (39086)	Sulfate water, fltrd, mg/L (00945)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue water, sum of consti- tuents mg/L (70301)	Nitrite water, fltrd, mg/L as N (00613)	Nitrite + nitrate water, fltrd, mg/L as N (00631)
APR 07...	2.97	1.16	117	.0	96	31.9	.54	.12	7.06	146	147	E.001	.081
MAY 11...	1.95	1.19	78	.0	60	25.1	.49	E.08	5.49	136	104	.002	.056
24...	1.75	.96	73	.0	60	25.9	.27	E.09	5.90	126	102	<.002	.046
JUN 14...	1.85	.81	84	.0	69	33.7	.26	.11	6.18	119	121	<.002	.039
JUL 07...	2.41	1.43	80	.0	66	30.5	.54	.12	6.97	138	118	E.001	.075
AUG 04...	2.88	1.30	90	.0	74	32.9	.41	.12	7.23	142	127	E.001	.050
30...	2.81	1.49	98	.0	80	37.8	.48	.12	6.34	154	138	E.001	.032
Date	Ammonia water, fltrd, mg/L as N (00608)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Phos- phorus, water, unfltrd mg/L (00665)	Phos- phorus, water, fltrd, mg/L (00666)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Alum- inum, water, fltrd, ug/L (01106)	Anti- mony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryll- ium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)
APR 07...	E.006	E.05	E.06	.004	<.004	<.006	E1.5	E.1	.4	51.5	<.06	E6	E.04
MAY 11...	<.010	.6	.4	.46	.009	<.006	40.1	E.1	.5	41.1	<.06	E5	.05
24...	<.010	.7	.3	.80	E.003	<.006	39.5	E.2	.6	38.2	<.06	E5	E.03
JUN 14...	<.010	.2	E.10	.31	<.004	<.006	26.4	E.2	.5	40.6	<.06	<8	<.04
JUL 07...	E.005	.7	.2	.90	.004	<.006	27.6	E.2	.7	35.9	<.06	10	<.04
AUG 04...	<.010	.4	.2	.40	E.003	<.006	28.6	E.2	.6	37.5	<.06	14	<.04
30...	<.010	.2	.1	.34	E.003	<.006	23.5	.2	.6	35.9	<.06	13	<.04

E Estimated

15356000 YUKON RIVER AT EAGLE—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Chrom- ium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Mangan- ese, water, fltrd, ug/L (01056)	Molyb- denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selen- ium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Stront- ium, water, fltrd, ug/L (01080)	Vanad- ium, water, fltrd, ug/L (01085)
APR 07...	<.8	.089	1.1	E4	<.08	1.9	1.2	1.3	1.86	.5	<.20	179	.42
MAY 11...	<.8	.139	3.1	104	E.08	1.7	13.9	.7	2.79	.5	<.20	121	.55
24...	<.8	.204	2.7	60	E.06	2.2	7.2	.8	3.42	.6	<.20	118	.47
JUN 14...	<.8	.068	1.9	17	.18	2.8	2.2	.9	2.37	.6	<.20	129	.38
JUL 07...	<.8	.096	2.9	28	<.08	2.7	2.0	1.2	2.47	.5	<.20	132	.77
AUG 04...	<.8	.119	2.2	23	<.08	2.4	3.6	1.2	1.80	.4	<.20	146	.60
30...	.1	.089	4.3	13	E.05	3.1	1.6	1.5	2.37	.6	<.20	155	.51
Date	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)	Organic carbon, water, fltrd, mg/L (00681)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Total carbon, suspnd sedimnt total, mg/L (00694)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)			
APR 07...	1.5	1.08	1.3	<.12	.163	.163	<.022	27	1400	23			
MAY 11...	4.8	.75	12	.641	2.66	3.30	.230	424	163000	49			
24...	1.0	.63	6.7	.849	5.08	5.93	.319	933	756000	60			
JUN 14...	.7	.69	3.2	.550	1.95	2.50	.074	311	202000	57			
JUL 07...	.9	.78	6.8	6.87	6.54	13.4	.324	1240	736000	83			
AUG 04...	E.4	.81	5.4	1.40	3.38	4.78	.220	378	166000	69			
30...	1.2	.86	3.3	1.58	2.05	3.63	.086	400	137000	75			

E Estimated

**15388960 PORCUPINE RIVER NEAR INTERNATIONAL BOUNDARY
(International Gaging Station)**

LOCATION.--Lat 67°25'2", long 140°53'28", 3.1 mi upstream from old townsite of Ramparts House, at Alaska-Yukon Territory Boundary.

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

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

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

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

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3050	e1820	e1320	e964	e727	e583	e487	e5830	54500	4560	3900	6190
2	2800	e1800	e1310	e946	e724	e576	e491	e7240	52400	4450	4070	6070
3	2910	e1780	e1300	e939	e720	e572	e491	e10400	46600	4280	5160	5680
4	2740	e1760	e1290	e929	e713	e569	e494	e26300	42700	4160	8040	5400
5	3210	e1740	e1280	e918	e706	e558	e494	e36200	42900	4370	9120	5240
6	3740	e1720	e1270	e904	e699	e551	e494	e44100	40300	4780	8690	5140
7	3320	e1710	e1250	e886	e689	e547	e498	e55600	37400	5110	8200	5220
8	3250	e1690	e1240	e876	e678	e540	e501	e71500	34400	5550	7640	5610
9	3240	e1660	e1230	e865	e674	e530	e505	e97100	30800	5890	7180	6140
10	3050	e1630	e1210	e862	e671	e523	e508	e126000	27200	8060	6690	6690
11	2510	e1610	e1200	e855	e667	e519	e512	100000	24700	10200	6370	7400
12	2480	e1590	e1190	e851	e660	e516	e519	85000	23100	13000	6130	7860
13	2810	e1580	e1170	e844	e657	e512	e526	73900	22000	16300	6030	8540
14	2140	e1560	e1160	e840	e650	e508	e530	69100	20200	19500	5920	9140
15	e1950	e1550	e1150	e837	e646	e505	e537	67300	17200	20900	5740	9940
16	e1720	e1540	e1140	e830	e643	e501	e544	75700	14400	18800	5530	11100
17	e1620	e1530	e1130	e823	e639	e501	e569	88300	12000	15600	5240	12300
18	e1560	e1530	e1130	e816	e632	e498	e593	88400	10500	13200	4900	13600
19	e1530	e1520	e1120	e812	e625	e498	e643	77900	9410	11300	5090	13900
20	e1520	e1500	e1110	e805	e621	e494	e699	64200	8920	10100	4940	13500
21	e1540	e1490	e1100	e798	e618	e494	e770	53700	9360	8850	4870	13200
22	e1590	e1480	e1090	e794	e614	e491	e855	51500	9070	7960	4830	13300
23	e1640	e1470	e1080	e787	e611	e491	e982	48800	8040	7250	4770	13900
24	e1740	e1450	e1070	e777	e604	e491	e1160	48200	6990	6320	4860	14200
25	e1800	e1430	e1060	e766	e597	e487	e1390	45800	6410	5810	4950	15400
26	e1840	e1410	e1050	e756	e593	e487	e1640	40800	5990	5420	4910	19000
27	e1870	e1390	e1030	e745	e590	e487	e2080	40400	5700	5290	4960	22600
28	e1870	e1370	e1020	e742	e586	e487	e2750	44700	5350	4840	5040	25900
29	e1870	e1360	e999	e738	---	e487	e3880	47400	5010	4500	5170	26500
30	e1860	e1340	e985	e731	---	e487	e4770	47800	4690	4090	5480	24300
31	e1840	---	e975	e731	---	e487	---	50200	---	3910	5960	---
TOTAL	70610	47010	35659	25767	18254	15977	30912	1789370	638240	264350	180380	352960
MEAN	2278	1567	1150	831	652	515	1030	57720	21270	8527	5819	11770
MAX	3740	1820	1320	964	727	583	4770	126000	54500	20900	9120	26500
MIN	1520	1340	975	731	586	487	487	5830	4690	3910	3900	5140
AC-FT	140100	93240	70730	51110	36210	31690	61310	3549000	1266000	524300	357800	700100
CFSM	0.10	0.07	0.05	0.04	0.03	0.02	0.04	2.50	0.92	0.37	0.25	0.51
IN.	0.11	0.08	0.06	0.04	0.03	0.03	0.05	2.88	1.03	0.43	0.29	0.57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2005, BY WATER YEAR (WY)

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	4530	1878	1145	843	695	649	781	35120	40850	14750	18490	15760						
MAX	8241	3161	1638	1176	966	870	1711	63160	86470	29580	37940	34320						
(WY)	1996	1999	2004	2004	2001	2001	1998	1990	1992	1994	1991	1995						
MIN	2278	1122	870	551	398	383	562	1369	20410	4187	5819	3932						
(WY)	2005	1997	2000	1997	1997	1997	1997	2001	1999	2004	2005	2004						

e Estimated

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1988 - 2005	
ANNUAL TOTAL	3100036		3469489		11330	
ANNUAL MEAN	8470		9505		16090	1995
HIGHEST ANNUAL MEAN					6569	1999
LOWEST ANNUAL MEAN					248000	Jun 1 1992
HIGHEST DAILY MEAN	194000	May 20	126000	May 10	6569	1999
LOWEST DAILY MEAN	763	Apr 11	a487	Mar 25	b367	Mar 3 1997
ANNUAL SEVEN-DAY MINIMUM	766	Apr 7	487	Mar 25	369	Mar 1 1997
MAXIMUM PEAK FLOW			c	May 10	250000	Jun 1 1992
MAXIMUM PEAK STAGE					50.76	Jun 1 1992
ANNUAL RUNOFF (AC-FT)	6149000		6882000		8209000	
ANNUAL RUNOFF (CFSM)	0.367		0.411		0.491	
ANNUAL RUNOFF (INCHES)	4.99		5.59		6.66	
10 PERCENT EXCEEDS	13000		28600		32900	
50 PERCENT EXCEEDS	1590		1760		1990	
90 PERCENT EXCEEDS	801		530		639	

a From Mar. 25 to Apr. 1

b From Mar. 3 to 6

c Not determined see highest daily mean

15392000 BIRCH CREEK ABOVE TWELVEMILE CREEK NEAR MILLER HOUSE

LOCATION.--Lat 65°23'33", Long 145°42'45", in NW¹/₄, SW¹/₄, NW¹/₄ sec.33, T. 7 N., R. 10 E., Fairbanks Meridian (Circle B-4 quad), Yukon-Koyukuk Borough, Hydrologic Unit 19040402, on right bank one quarter mile upstream of the Bureau of Land Management Twelvemile wayside parking lot at mile 93.9 of the Steese Highway.

DRAINAGE AREA.--89.2 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 28, 2001 to current year (no winter records).

GAGE.--Water-stage recorder. Elevation of gage is 1,950 ft above sea level, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,100 ft³/s, July 27, 2003, from rating curve extended above 280 ft³/s on basis of slope-area measurement of peak flow, gage height, 48.14 ft. Minimum not determined, occurs during winter.

EXTREMES FOR WATER YEAR 2005.--Maximum discharge, 1,180 ft³/s, May 30, gage height, 46.27 ft, minimum not determined occurs during winter.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	e200	1030	e574	54	51
2	---	---	---	---	---	---	---	e300	609	e350	53	51
3	---	---	---	---	---	---	---	e400	380	e250	50	50
4	---	---	---	---	---	---	---	e500	249	e200	48	49
5	---	---	---	---	---	---	---	e600	184	e165	50	48
6	---	---	---	---	---	---	---	e650	140	126	51	48
7	---	---	---	---	---	---	---	e700	112	194	49	50
8	---	---	---	---	---	---	---	e700	93	255	47	54
9	---	---	---	---	---	---	---	e650	80	178	46	56
10	---	---	---	---	---	---	---	555	71	290	44	58
11	---	---	---	---	---	---	---	456	66	269	43	58
12	---	---	---	---	---	---	---	416	93	225	42	59
13	---	---	---	---	---	---	---	421	137	183	41	67
14	---	---	---	---	---	---	---	415	100	152	40	72
15	---	---	---	---	---	---	---	455	80	122	40	73
16	---	---	---	---	---	---	---	542	73	118	39	72
17	---	---	---	---	---	---	---	435	71	170	40	69
18	---	---	---	---	---	---	---	561	61	300	39	67
19	---	---	---	---	---	---	---	384	56	230	39	63
20	---	---	---	---	---	---	---	294	54	175	39	61
21	---	---	---	---	---	---	---	217	49	146	39	62
22	---	---	---	---	---	---	---	172	45	126	38	71
23	---	---	---	---	---	---	---	145	41	109	38	96
24	---	---	---	---	---	---	---	134	37	95	41	210
25	---	---	---	---	---	---	---	136	35	85	44	281
26	---	---	---	---	---	---	---	139	32	76	43	268
27	---	---	---	---	---	---	---	174	29	69	44	236
28	---	---	---	---	---	---	---	358	27	63	46	197
29	---	---	---	---	---	---	---	310	e40	60	47	160
30	---	---	---	---	---	---	---	531	e130	59	46	137
31	---	---	---	---	---	---	---	728	---	56	49	---
TOTAL	---	---	---	---	---	---	---	12678	4204	5470	1369	2894
MEAN	---	---	---	---	---	---	---	409	140	176	44.2	96.5
MAX	---	---	---	---	---	---	---	728	1030	574	54	281
MIN	---	---	---	---	---	---	---	134	27	56	38	48
MED	---	---	---	---	---	---	---	416	72	165	44	65
AC-FT	---	---	---	---	---	---	---	25150	8340	10850	2720	5740
CFSM	---	---	---	---	---	---	---	4.58	1.57	1.98	0.50	1.08
IN.	---	---	---	---	---	---	---	5.29	1.75	2.28	0.57	1.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

	2002	2003	2004	2005
MEAN	---	---	---	---
MAX	---	---	---	---
(WY)	---	---	---	---
MIN	---	---	---	---
(WY)	---	---	---	---

e Estimated

15392000 BIRCH CREEK ABOVE TWELVEMILE CREEK NEAR MILLER HOUSE—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2003 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

						Sample location, cross sec-					Specif. conduc-	pH, water, unfl-		
Date	Time	Medium code	Sample type	Stream width feet (00004)	tion ft from rt bank (72103)	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Sam- pling method, code (82398)	Sam- pler type, code (84164)	wat unf uS/cm 25 degC (00095)	field, std units (00400)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	
JUN														
01...	1208	9	9	--	1.5	45.66	E1000	70	3044	52	7.3	6.9	3.4	
13...	1240	9	9	52.5	--	43.00	142	10	3044	--	--	23.6	12.5	
27...	1810	9	9	36.0	--	42.27	28	10	3044	194	7.6	23.8	12.2	
SEP														
12...	1730	9	9	--	--	--	59	10	3044	--	--	--	--	
Date	Dis- olved oxy- gen, mg/L (00300)	Hard- ness, water. mg/L as CaCO3 (00900)	Cal- cium water, fltrd, mg/L (00915)	Magne- sium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	Potas- sium, water, fltrd, mg/L (00935)	Sul- fate water, fltrd, mg/L (00945)	Chlo- ride, water, fltrd, mg/L (00940)	Flou- ride, water, fltrd, mg/L (00950)	Sil- ica, water, fltrd, mg/L (00955)	Resi- due on evap. at 180degC wat flt mg/L (70300)	Nitrite water, fltrd, mg/L as N (00613)	Nitrite + nitrate water mg/L as N (00631)	
JUN														
01...	11.7	--	--	--	--	--	--	--	--	--	--	--	--	
13...	--	--	--	--	--	--	--	--	--	--	--	--	--	
27...	9.8	--	--	--	--	--	--	--	--	--	--	--	--	
SEP														
12...	--	96	24.9	8.21	.89	.69	28.2	E.11	E.1	5.10	115	<.002	.110	
Date	Ammo- nia water, fltrd, mg/L as N (00608)	Ammo- nia + org-N, water, unfl- trd mg/ L as N (00625)	Ammo- nia + org-N, water, fltrd, mg/L as N (00623)	Phos- pho- rus, water, unfl- trd mg/ L (00665)	Phos- pho- rus, water, fltrd, mg/L (00666)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Iron, water, fltrd, ug/L (01046)	Manga- nese, water, fltrd, ug/L (01056)	Mer- cury water, unfl- trd recov- erable, ug/L (71900)	Mer- cury water, fltrd, ug/L (71890)	Sus- pended sedi- ment concen- tra- tion mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)		
JUN														
01...	--	--	--	--	--	--	--	--	--	--	E785	--		
13...	--	--	--	--	--	--	--	--	--	--	17	6.5		
27...	--	--	--	--	--	--	--	--	--	--	2	.15		
SEP														
12...	<.010	.11	.19	.009	.010	<.006	19	11.0	<.01	<.01	--	--		

E Estimated

15453500 YUKON RIVER NEAR STEVENS VILLAGE

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

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

WATER-DISCHARGE RECORDS

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

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

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

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85200	e55000	e38000	e29000	e26000	e24000	e22000	e64000	387000	e203000	172000	154000
2	84600	e54000	e37000	e29000	e26000	e24000	e22000	e72000	396000	197000	170000	154000
3	84200	e52000	e37000	e29000	e26000	e24000	e22000	e84000	399000	195000	169000	151000
4	83800	e51000	e36000	e29000	e25000	e24000	e22000	e100000	406000	194000	172000	150000
5	83500	e50000	e36000	e28000	e25000	e24000	e22000	e126000	411000	192000	176000	150000
6	83400	e48000	e36000	e28000	e25000	e23000	e22000	e158000	408000	193000	180000	153000
7	83300	e46000	e35000	e28000	e25000	e23000	e22000	e190000	397000	198000	183000	159000
8	83400	e44000	e35000	e28000	e25000	e23000	e22000	e220000	382000	212000	183000	164000
9	83300	e43000	e35000	e28000	e25000	e23000	e22000	e248000	366000	230000	182000	166000
10	83100	e43000	e34000	e28000	e25000	e23000	e22000	e276000	352000	239000	181000	167000
11	83100	e45000	e34000	e28000	e25000	e23000	e22000	299000	339000	239000	179000	165000
12	83700	e46000	e34000	e28000	e25000	e23000	e22000	326000	331000	235000	177000	162000
13	84100	e47000	e33000	e27000	e25000	e23000	e22000	368000	320000	230000	175000	159000
14	83500	e48000	e33000	e27000	e25000	e23000	e22000	391000	310000	227000	174000	157000
15	82600	e48000	e33000	e27000	e25000	e23000	e22000	397000	300000	225000	172000	156000
16	81900	e47000	e32000	e27000	e25000	e23000	e22000	397000	299000	221000	170000	157000
17	81300	e46000	e32000	e27000	e25000	e22000	e22000	399000	302000	217000	169000	157000
18	80800	e45000	e32000	e27000	e24000	e22000	e22000	407000	302000	215000	167000	160000
19	80200	e44000	e32000	e27000	e24000	e22000	e22000	425000	302000	214000	166000	164000
20	e78000	e43000	e31000	e27000	e24000	e22000	e22000	449000	299000	211000	166000	167000
21	e76000	e43000	e31000	e26000	e24000	e22000	e22000	471000	293000	206000	165000	169000
22	e75000	e42000	e31000	e26000	e24000	e22000	e23000	486000	284000	202000	163000	171000
23	e73000	e41000	e31000	e26000	e24000	e22000	e25000	482000	274000	202000	161000	173000
24	e71000	e40000	e30000	e26000	e24000	e22000	e28000	458000	265000	207000	159000	176000
25	e69000	e40000	e30000	e26000	e24000	e22000	e31000	428000	262000	210000	155000	182000
26	e67000	e39000	e30000	e26000	e24000	e22000	e35000	409000	267000	210000	151000	184000
27	e65000	e39000	e30000	e26000	e24000	e22000	e41000	401000	264000	206000	147000	185000
28	e62000	e39000	e30000	e26000	e24000	e22000	e48000	396000	253000	199000	145000	186000
29	e60000	e38000	e29000	e26000	---	e22000	e55000	389000	e235000	191000	144000	190000
30	e58000	e38000	e29000	e26000	---	e22000	e60000	382000	e216000	183000	146000	197000
31	e56000	---	e29000	e26000	---	e22000	---	378000	---	177000	151000	---
TOTAL	2389000	1344000	1015000	842000	692000	703000	808000	10076000	9621000	6480000	5170000	4985000
MEAN	77060	44800	32740	27160	24710	22680	26930	325000	320700	209000	166800	166200
MAX	85200	55000	38000	29000	26000	24000	60000	486000	411000	239000	183000	197000
MIN	56000	38000	29000	26000	24000	22000	22000	64000	216000	177000	144000	150000
AC-FT	4739000	2666000	2013000	1670000	1373000	1394000	1603000	19990000	19080000	12850000	10250000	9888000
CFSM	0.39	0.23	0.17	0.14	0.13	0.12	0.14	1.66	1.63	1.06	0.85	0.85
IN.	0.45	0.25	0.19	0.16	0.13	0.13	0.15	1.91	1.82	1.23	0.98	0.94

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2005, BY WATER YEAR (WY)

	MEAN	99070	51440	36580	29850	25500	22540	22390	212000	335000	228300	196700	163200
MAX	164500	70300	48450	37680	32140	28970	28170	373000	614100	320200	255100	229500	
(WY)	2001	2003	1983	1977	1981	1981	1991	1991	1992	1992	2000	2000	
MIN	75340	34530	26770	23550	19320	16000	14800	90680	226800	168600	142400	97800	
(WY)	1993	1990	1990	1996	1999	1999	1997	1992	1995	2004	1989	2004	

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1977 - 2005
ANNUAL TOTAL	38472100	44125000	
ANNUAL MEAN	105100	120900	119000
HIGHEST ANNUAL MEAN			144400
LOWEST ANNUAL MEAN			93910
HIGHEST DAILY MEAN	466000	May 26	823000
LOWEST DAILY MEAN	a21000	Mar 17	c14000
ANNUAL SEVEN-DAY MINIMUM	21000	Mar 17	14000
MAXIMUM PEAK FLOW		489000	827000
MAXIMUM PEAK STAGE		47.58	59.60
ANNUAL RUNOFF (AC-FT)	76310000	87520000	86210000
ANNUAL RUNOFF (CFSM)	0.535	0.616	0.606
ANNUAL RUNOFF (INCHES)	7.29	8.36	8.24
10 PERCENT EXCEEDS	274000	302000	277000
50 PERCENT EXCEEDS	50000	60000	58000

a From Mar. 17 to Apr. 27
b From Mar. 17 to Apr. 21
c From Apr. 14 to Apr. 25
e Estimated

15453500 YUKON RIVER NEAR STEVENS VILLAGE—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1970-72, 1978, and 2001 to August 2005 (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Sample location, cross section ft from rt bank (72103)	Specif. conductance, wat unf 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temperature, water, deg C (00010)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)					
MAR													
30...	1750	225.0	277	--	.1	757	8.6	59					
30...	1752	380.0	273	--	.1	757	8.6	59					
30...	1754	600.0	274	--	.1	757	8.7	60					
30...	1756	850.0	--	--	.1	757	8.6	--					
30...	1758	1275	274	--	.1	757	8.6	59					
MAY													
13...	1135	375.0	171	8.0	5.9	756	11.4	92					
13...	1137	700.0	171	8.0	5.8	756	12.6	101					
13...	1139	1050	171	8.0	5.8	756	12.6	101					
13...	1141	1400	171	8.0	5.7	756	11.5	92					
13...	1143	1750	170	8.0	5.8	756	11.5	93					
23...	1620	318.0	155	8.4	9.7	--	10.7	--					
23...	1622	744.0	155	8.3	9.6	--	9.7	--					
23...	1624	1150	155	8.4	9.6	--	9.7	--					
23...	1626	1520	152	8.5	9.6	--	9.7	--					
23...	1628	1873	155	8.5	9.6	--	9.7	--					
JUN													
02...	1720	312.0	188	7.9	12.8	767	10.0	94					
02...	1722	770.0	189	8.0	12.8	767	9.7	91					
02...	1724	1125	189	8.0	12.7	767	9.5	89					
02...	1726	1500	189	8.0	12.6	767	9.5	89					
02...	1728	1890	189	8.0	12.6	767	9.6	89					
JUL													
06...	1750	223.0	228	7.9	17.3	750	10.4	110					
06...	1752	569.0	228	8.0	17.2	750	10.3	109					
06...	1754	872.0	228	8.0	17.2	750	10.4	110					
06...	1756	1176	226	8.0	17.2	750	10.4	110					
06...	1758	1538	228	8.0	17.2	750	10.3	109					
AUG													
01...	1620	200.0	242	8.1	15.1	762	9.8	97					
01...	1622	570.0	240	8.1	15.0	762	9.8	97					
01...	1624	885.0	240	8.1	14.9	762	9.9	98					
01...	1626	1180	238	8.1	14.9	762	9.8	97					
01...	1628	1530	242	8.1	14.9	762	9.8	97					
22...	1740	240.0	247	7.9	13.4	--	11.6	--					
22...	1742	604.0	247	7.9	13.4	--	11.6	--					
22...	1744	892.0	247	7.9	13.4	--	11.6	--					
22...	1746	1200	247	7.9	13.4	--	11.6	--					
22...	1748	1502	247	7.9	13.4	--	11.6	--					
Date	Time	Medium code	Sample type	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Sampler type, code (84164)	Type of sample related QA data, code (99111)	Type of blank sample, code (99102)	Type of replicate, code (99105)	Specif. conductance, wat unf 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temperature, air, deg C (00020)
MAR													
30...	1730	9	9	--	22000	20	3039	110	--	--	274	--	-7.8
MAY													
13...	1115	9	9	--	402000	20	3055	110	--	--	171	8.0	--
23...	1600	9	9	47.38	466000	20	3055	10	100	--	155	8.4	--
JUN													
02...	1700	9	9	--	398000	20	3055	30	--	10	189	8.0	--
JUL													
06...	1730	9	9	32.08	188000	20	3055	110	--	--	228	8.0	--
AUG													
01...	1600	9	9	30.60	173000	20	3055	110	--	--	240	8.1	--
22...	1720	9	9	29.90	163000	20	3055	110	--	--	247	7.9	--
Date	Temperature, water, deg C (00010)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	Potassium, water, fltrd, mg/L (00935)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)
MAR													
30...	.0	--	.0353	.0248	757	8.6	59	150	43.0	10.5	2.93	1.20	133
MAY													
13...	5.8	268	.6188	.4631	756	11.9	96	86	25.1	5.63	1.96	1.52	72
23...	9.6	235	.4134	.3108	--	9.9	--	80	23.3	5.25	1.70	1.12	70
JUN													
02...	12.7	156	.2852	.2129	767	9.7	91	36	10.4	2.49	.80	.40	84
JUL													
06...	17.2	223	.1086	.0802	750	10.4	110	120	33.3	8.64	2.60	1.44	91
AUG													
01...	14.9	135	.3118	.2445	762	9.8	97	120	32.5	8.59	2.83	1.23	103
22...	13.4	534	.0874	.0637	--	11.6	--	120	32.8	8.84	3.25	1.70	104

15453500 YUKON RIVER NEAR STEVENS VILLAGE—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Carbon- ate, wat flt incrm. titr., field, mg/L (00452)	Alka- linity, wat flt inc tit field, mg/L as CaCO3 (39086)	Sulfate water, fltrd, mg/L (00945)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue water, fltrd, sum of consti- tuents mg/L (70301)	Nitrite water, fltrd, mg/L as N (00613)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
MAR 30...	.0	109	33.0	.85	.13	7.60	173	165	.002	.097	E.006	.1	E.06
MAY 13...	.0	55	20.5	1.22	E.07	4.14	140	96	.002	.066	.024	1.4	.6
23...	.0	58	20.1	.45	E.08	4.21	119	91	E.001	.053	<.010	.9	.3
JUN 02...	.0	69	25.8	.38	E.08	2.09	131	84	E.001	.058	<.010	.6	.3
JUL 06...	.0	75	33.8	.67	E.10	6.31	140	132	E.001	.044	.010	.3	.1
AUG 01...	.0	85	37.0	.59	.14	6.42	152	140	E.001	.053	.013	.3	.2
22...	.0	86	34.8	.62	.12	6.14	142	140	.002	.038	.015	.4	.2

Date	Phos- phorus, water, unfltrd mg/L (00665)	Phos- phorus, water, fltrd, mg/L (00666)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Alum- inum, water, fltrd, ug/L (01106)	Anti- mony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryll- ium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chrom- ium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)
MAR 30...	.022	<.004	<.006	E1.0	E.1	.4	57.5	<.06	12	<.04	<.8	.079	.7
MAY 13...	.62	.015	<.006	28.7	E.1	.7	45.4	<.06	E6	E.02	<.8	.329	5.7
23...	.55	.008	<.006	33.2	<.2	.7	38.0	<.06	13	<.04	<.8	.198	4.8
JUN 02...	.47	E.004	<.006	11.4	<.2	.2	17.3	<.06	E5	E.03	<.8	.076	5.1
JUL 06...	.43	E.003	<.006	24.1	E.2	.7	50.3	<.06	10	<.04	<.8	.080	1.8
AUG 01...	.28	E.002	<.006	19.9	E.2	.7	41.9	<.06	12	<.04	<.8	.097	2.1
22...	.52	E.003	<.006	17.4	.3	.7	48.3	<.06	14	<.04	<.8	.105	2.9

Date	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Mangan- ese, water, fltrd, ug/L (01056)	Molyb- denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selen- ium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Stront- ium, water, fltrd, ug/L (01080)	Vanad- ium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)	Organic carbon, water, fltrd, mg/L (00681)
MAR 30...	9	<.08	2.4	6.8	1.2	1.32	.7	<.20	180	.70	.6	.91	1.4
MAY 13...	163	.13	2.8	31.7	.5	4.15	E.2	<.20	92.1	.65	5.5	.53	17
23...	112	<.08	2.7	9.4	.6	2.63	.4	<.20	83.8	.57	1.7	.61	11
JUN 02...	26	1.44	1.0	2.5	E.3	3.54	<.4	<.20	43.2	.25	16.5	.22	8.0
JUL 06...	10	<.08	3.3	3.4	1.2	1.77	.6	<.20	140	.64	2.5	.89	3.8
AUG 01...	8	<.08	3.1	5.0	1.3	1.51	.7	<.20	148	.71	E.5	.78	3.8
22...	9	<.08	4.1	3.8	1.5	2.42	.6	<.20	148	.81	.7	.83	2.8

Date	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Total carbon, suspnd sedimnt total, mg/L (00694)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)
MAR 30...	<.12	.418	.439	.027	14	832	94
MAY 13...	4.04	13.6	17.6	.823	985	1070000	84
23...	2.51	2.61	5.12	.241	781	984000	80
JUN 02...	3.17	6.72	9.89	.347	499	536000	79
JUL 06...	2.08	2.58	4.65	.156	403	205000	81
AUG 01...	2.66	3.19	5.84	.205	311	145000	75
22...	5.43	2.32	7.75	.209	616	271000	91

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 right bank, 0.3 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. August 1997 to August 13, 2000 gage located 300 ft upstream of present site at same datum. August 14, 2000 to May 4, 2004 gage located 700 ft downstream of present site at same datum.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	288	e100	e110	e90	e85	e75	e75	2840	963	673	1020	554
2	269	e100	e110	e90	e85	e75	e75	1960	1070	648	1750	640
3	251	e100	e100	e90	e80	e75	e75	1600	1460	641	1320	597
4	263	e100	e100	e90	e80	e75	e75	1470	2110	647	1090	556
5	248	e100	e100	e90	e80	e75	e75	1260	1550	747	988	524
6	249	e110	e90	e90	e80	e75	e75	1170	1150	742	965	503
7	248	e110	e90	e90	e80	e75	e75	1190	961	787	965	489
8	246	e120	e90	e90	e80	e75	e75	1430	847	854	883	506
9	239	e130	e90	e90	e80	e75	e75	1710	786	769	822	569
10	222	e130	e90	e85	e80	e75	e75	2050	728	764	757	570
11	224	e120	e90	e85	e80	e75	e75	1820	682	705	711	548
12	e200	e120	e90	e85	e80	e75	e80	1550	722	648	676	532
13	220	e120	e90	e85	e80	e75	e80	1820	1270	608	648	527
14	214	e120	e90	e85	e80	e75	e80	1920	1270	581	624	509
15	207	e120	e90	e85	e80	e75	e80	1800	1060	562	608	504
16	e200	e120	e90	e85	e80	e75	e80	2110	881	543	595	491
17	e180	e120	e90	e85	e80	e75	e80	1410	796	544	584	479
18	e170	e120	e90	e85	e75	e75	e80	5430	828	806	574	487
19	e160	e120	e90	e85	e75	e75	e90	2640	1190	1150	553	507
20	e150	e110	e90	e85	e75	e75	e90	1720	4270	1020	541	659
21	e160	e110	e90	e85	e75	e75	e90	1310	2520	845	534	829
22	e180	e110	e90	e85	e75	e75	e90	1150	1590	746	556	792
23	e180	e110	e90	e85	e75	e75	e100	1020	1290	689	555	837
24	e170	e110	e90	e85	e75	e75	e200	903	1060	653	526	1010
25	e160	e110	e90	e85	e75	e75	e400	887	942	619	516	1440
26	e160	e110	e90	e85	e75	e75	e1000	879	870	588	510	1240
27	e150	e110	e90	e85	e75	e75	e1400	945	787	565	507	1030
28	e150	e110	e90	e85	e75	e75	e2000	1140	732	597	504	946
29	e140	e110	e90	e85	---	e75	e3000	1020	684	584	491	905
30	e140	e110	e90	e85	---	e75	e3300	891	650	649	487	902
31	e120	---	e90	e85	---	e75	---	871	---	724	528	---
TOTAL	6158	3390	2860	2680	2195	2325	13145	49916	35719	21698	22388	20682
MEAN	199	113	92.3	86.5	78.4	75.0	438	1610	1191	700	722	689
MAX	288	130	110	90	85	75	3300	5430	4270	1150	1750	1440
MIN	120	100	90	85	75	75	75	871	650	543	487	479
AC-FT	12210	6720	5670	5320	4350	4610	26070	99010	70850	43040	44410	41020
CFSM	0.29	0.17	0.14	0.13	0.12	0.11	0.65	2.38	1.76	1.03	1.07	1.02
IN.	0.34	0.19	0.16	0.15	0.12	0.13	0.72	2.74	1.96	1.19	1.23	1.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)#

	MEAN	267	121	88.9	66.6	56.5	51.5	190	1069	932	769	940	748
MAX	385	153	123	90.6	83.3	76.4	440	1610	1993	1158	1651	1785	
(WY)	2004	2003	2003	2001	2004	2001	2003	2005	2000	2003	2000	2003	
MIN	149	90.1	57.5	28.9	13.6	10.5	52.7	562	468	384	481	329	
(WY)	2000	1999	1999	1999	1999	1999	2002	2003	1998	2004	2004	2004	

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1997 - 2005#

ANNUAL TOTAL	132953	183156	
ANNUAL MEAN	363	502	448
HIGHEST ANNUAL MEAN			595
LOWEST ANNUAL MEAN			272
HIGHEST DAILY MEAN	4820	May 7	5430
LOWEST DAILY MEAN	a72	Mar 25	b75
ANNUAL SEVEN-DAY MINIMUM	72	Mar 25	75
MAXIMUM PEAK FLOW			7750
MAXIMUM PEAK STAGE			19.08
ANNUAL RUNOFF (AC-FT)	263700	363300	324400
ANNUAL RUNOFF (CFSM)	0.537	0.741	0.661
ANNUAL RUNOFF (INCHES)	7.31	10.06	8.99
10 PERCENT EXCEEDS	836	1210	1060
50 PERCENT EXCEEDS	160	160	180
90 PERCENT EXCEEDS	76	75	44

See Period of Record; partial years used in monthly statistics

a From Mar. 25 to Apr. 9

b From Feb. 18 to Apr. 11

c From Mar. 8 to 24, 1999

d Recorded at downstream gage site. (19.49 ft was recorded Aug. 14, 2000 at upstream gage site but corresponds to a lower peak flow.)

e Estimated

15477768 SONORA CREEK ABOVE TRIBUTARY NEAR BIG DELTA

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

DRAINAGE AREA.--6.05 mi².

PERIOD OF RECORD.--May 2000 to September 2005 (discontinued).

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.

REVISIONS.--Peak discharges for the period of record have been revised and are tabulated below. They supersede figures published in reports for 2001 to 2004:

Date	Discharge (ft ³ /s)	Gage Height (ft)	Date	Discharge (ft ³ /s)	Gage Height (ft)
May 22, 2000	a47	21.17	Apr. 27, 2003	a42	21.09
May 23, 2001	17	20.47	May 7, 2004	a92	21.74
May 14, 2002	a76	21.56			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	1.9	e1.4	e1.2	e1.1	e1.0	e1.0	9.5	3.0	5.3	8.5	4.6
2	2.3	1.9	e1.4	e1.2	e1.1	e1.0	e1.0	6.4	4.0	5.4	9.9	4.6
3	2.6	1.9	e1.4	e1.2	e1.1	e1.0	e1.0	6.9	7.3	5.4	7.9	4.5
4	2.5	1.9	e1.4	e1.2	e1.1	e1.0	e1.0	8.4	7.8	5.5	6.9	4.4
5	2.4	1.8	e1.4	e1.2	e1.0	e1.0	e1.0	7.0	5.7	6.0	6.5	4.3
6	2.5	e1.8	e1.4	e1.2	e1.0	e1.0	e1.0	6.4	4.3	6.3	6.6	4.3
7	2.5	e1.8	e1.4	e1.2	e1.0	e1.0	e1.0	8.1	3.7	6.4	6.3	4.2
8	2.5	e1.8	e1.4	e1.2	e1.0	e1.0	e1.0	10	3.5	6.2	5.9	4.3
9	2.4	e1.8	e1.3	e1.2	e1.0	e1.0	e1.0	10	3.3	6.1	5.7	4.3
10	2.4	e1.8	e1.3	e1.1	e1.0	e1.0	e1.0	8.3	3.2	6.0	5.4	4.3
11	2.3	e1.8	e1.3	e1.1	e1.0	e1.0	e1.0	6.5	3.1	5.7	5.2	4.3
12	2.3	e1.7	e1.3	e1.1	e1.0	e1.0	e1.0	5.0	3.2	5.5	5.1	4.3
13	2.4	e1.7	e1.3	e1.1	e1.0	e1.0	e1.0	5.0	4.4	5.3	4.9	4.2
14	2.3	e1.7	e1.3	e1.1	e1.0	e1.0	e1.0	4.3	4.2	5.1	4.8	4.2
15	2.2	e1.7	e1.3	e1.1	e1.0	e1.0	e1.0	3.6	4.6	5.0	4.7	4.2
16	2.2	e1.6	e1.3	e1.1	e1.0	e1.0	e1.0	3.1	3.9	4.9	4.6	4.1
17	2.0	e1.6	e1.3	e1.1	e1.0	e1.0	e1.0	4.0	4.5	5.6	4.6	4.1
18	e1.8	e1.6	e1.3	e1.1	e1.0	e1.0	e1.0	18	5.5	6.8	4.5	4.3
19	1.8	e1.6	e1.3	e1.1	e1.0	e1.0	e1.0	6.3	13	7.9	4.4	4.4
20	2.1	e1.6	e1.3	e1.1	e1.0	e1.0	e1.1	4.2	21	6.4	4.4	4.6
21	2.2	e1.6	e1.3	e1.1	e1.0	e1.0	e1.3	3.6	10	5.8	4.4	4.9
22	2.3	e1.6	e1.3	e1.1	e1.0	e1.0	e1.7	3.5	7.5	5.5	4.3	4.9
23	2.2	e1.5	e1.3	e1.1	e1.0	e1.0	e2.3	3.2	6.5	5.3	4.3	5.1
24	2.1	e1.5	e1.3	e1.1	e1.0	e1.0	e3.4	3.0	5.9	5.1	4.2	6.2
25	2.1	e1.5	e1.2	e1.1	e1.0	e1.0	e5.0	3.0	5.9	5.0	4.2	6.5
26	2.1	e1.5	e1.2	e1.1	e1.0	e1.0	6.4	3.1	5.7	4.9	4.2	6.0
27	2.1	e1.5	e1.2	e1.1	e1.0	e1.0	8.1	3.0	5.5	4.8	4.1	5.7
28	2.0	e1.5	e1.2	e1.1	e1.0	e1.0	8.5	3.0	5.3	5.0	4.1	5.4
29	2.0	e1.5	e1.2	e1.1	---	e1.0	9.5	3.0	5.1	4.8	4.1	5.4
30	2.0	e1.4	e1.2	e1.1	---	e1.0	11	2.9	5.0	5.1	4.2	5.4
31	2.0	---	e1.2	e1.1	---	e1.0	---	2.9	---	4.9	4.3	---
TOTAL	69.2	50.1	40.4	35.0	28.4	31.0	77.3	175.2	175.6	173.0	163.2	142.0
MEAN	2.23	1.67	1.30	1.13	1.01	1.00	2.58	5.65	5.85	5.58	5.26	4.73
MAX	2.6	1.9	1.4	1.2	1.1	1.0	11	18	21	7.9	9.9	6.5
MIN	1.8	1.4	1.2	1.1	1.0	1.0	1.0	2.9	3.0	4.8	4.1	4.1
MED	2.2	1.6	1.3	1.1	1.0	1.0	1.0	4.3	5.1	5.4	4.6	4.4
AC-FT	137	99	80	69	56	61	153	348	348	343	324	282
CF5M	0.37	0.28	0.22	0.19	0.17	0.17	0.43	0.93	0.97	0.92	0.87	0.78
IN.	0.43	0.31	0.25	0.22	0.17	0.19	0.48	1.08	1.08	1.06	1.00	0.87

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2005, BY WATER YEAR (WY)#

	2000	2001	2002	2003	2004	2005
MEAN	4.15	2.64	1.90	1.51	1.39	1.31
MAX	6.03	3.89	2.63	2.03	1.68	1.50
(WY)	2001	2001	2001	2001	2003	2003
MIN	2.23	1.67	1.16	1.12	1.01	1.00
(WY)	2005	2005	2002	2002	2005	2005

See Period of Record; partial year was used in monthly statistics

a From rating curve extended above 16 cfs based on step-backwater analysis

e Estimated

15453500 YUKON RIVER NEAR STEVENS VILLAGE—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1970-72, 1978, and 2001 to August 2005 (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Sample location, cross section ft from rt bank (72103)	Specif. conductance, uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temperature, water, deg C (00010)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)					
MAR													
30...	1750	225.0	277	--	.1	757	8.6	59					
30...	1752	380.0	273	--	.1	757	8.6	59					
30...	1754	600.0	274	--	.1	757	8.7	60					
30...	1756	850.0	--	--	.1	757	8.6	--					
30...	1758	1275	274	--	.1	757	8.6	59					
MAY													
13...	1135	375.0	171	8.0	5.9	756	11.4	92					
13...	1137	700.0	171	8.0	5.8	756	12.6	101					
13...	1139	1050	171	8.0	5.8	756	12.6	101					
13...	1141	1400	171	8.0	5.7	756	11.5	92					
13...	1143	1750	170	8.0	5.8	756	11.5	93					
23...	1620	318.0	155	8.4	9.7	--	10.7	--					
23...	1622	744.0	155	8.3	9.6	--	9.7	--					
23...	1624	1150	155	8.4	9.6	--	9.7	--					
23...	1626	1520	152	8.5	9.6	--	9.7	--					
23...	1628	1873	155	8.5	9.6	--	9.7	--					
JUN													
02...	1720	312.0	188	7.9	12.8	767	10.0	94					
02...	1722	770.0	189	8.0	12.8	767	9.7	91					
02...	1724	1125	189	8.0	12.7	767	9.5	89					
02...	1726	1500	189	8.0	12.6	767	9.5	89					
02...	1728	1890	189	8.0	12.6	767	9.6	89					
JUL													
06...	1750	223.0	228	7.9	17.3	750	10.4	110					
06...	1752	569.0	228	8.0	17.2	750	10.3	109					
06...	1754	872.0	228	8.0	17.2	750	10.4	110					
06...	1756	1176	226	8.0	17.2	750	10.4	110					
06...	1758	1538	228	8.0	17.2	750	10.3	109					
AUG													
01...	1620	200.0	242	8.1	15.1	762	9.8	97					
01...	1622	570.0	240	8.1	15.0	762	9.8	97					
01...	1624	885.0	240	8.1	14.9	762	9.9	98					
01...	1626	1180	238	8.1	14.9	762	9.8	97					
01...	1628	1530	242	8.1	14.9	762	9.8	97					
22...	1740	240.0	247	7.9	13.4	--	11.6	--					
22...	1742	604.0	247	7.9	13.4	--	11.6	--					
22...	1744	892.0	247	7.9	13.4	--	11.6	--					
22...	1746	1200	247	7.9	13.4	--	11.6	--					
22...	1748	1502	247	7.9	13.4	--	11.6	--					
Date	Time	Medium code	Sample type	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Sampler type, code (84164)	Type of sample related QA data, code (99111)	Type of blank sample, code (99102)	Type of replicate, code (99105)	Specif. conductance, uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temperature, air, deg C (00020)
MAR													
30...	1730	9	9	--	22000	20	3039	110	--	--	274	--	-7.8
MAY													
13...	1115	9	9	--	402000	20	3055	110	--	--	171	8.0	--
23...	1600	9	9	47.38	466000	20	3055	10	100	--	155	8.4	--
JUN													
02...	1700	9	9	--	398000	20	3055	30	--	10	189	8.0	--
JUL													
06...	1730	9	9	32.08	188000	20	3055	110	--	--	228	8.0	--
AUG													
01...	1600	9	9	30.60	173000	20	3055	110	--	--	240	8.1	--
22...	1720	9	9	29.90	163000	20	3055	110	--	--	247	7.9	--
Date	Time	Turbidity white light, det ang 90+/-30 correctd (00010)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	Potassium, water, fltrd, mg/L (00935)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)
MAR													
30...	.0	--	.0353	.0248	757	8.6	59	150	43.0	10.5	2.93	1.20	133
MAY													
13...	5.8	268	.6188	.4631	756	11.9	96	86	25.1	5.63	1.96	1.52	72
23...	9.6	235	.4134	.3108	--	9.9	--	80	23.3	5.25	1.70	1.12	70
JUN													
02...	12.7	156	.2852	.2129	767	9.7	91	36	10.4	2.49	.80	.40	84
JUL													
06...	17.2	223	.1086	.0802	750	10.4	110	120	33.3	8.64	2.60	1.44	91
AUG													
01...	14.9	135	.3118	.2445	762	9.8	97	120	32.5	8.59	2.83	1.23	103

15477768 SONORA CREEK ABOVE TRIBUTARY NEAR BIG DELTA—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 2000 - 2005#
ANNUAL TOTAL	1090.4	1160.4	
ANNUAL MEAN	2.98	3.18	3.35
HIGHEST ANNUAL MEAN			3.64 2002
LOWEST ANNUAL MEAN			3.18 2005
HIGHEST DAILY MEAN	37 May 7	21 Jun 20	37 May 7 2004
LOWEST DAILY MEAN	b1.2 Dec 25	c1.0 Feb 5	0.94 Apr 20 2002
ANNUAL SEVEN-DAY MINIMUM	1.2 Dec 25	1.0 Feb 5	0.95 Apr 20 2002
MAXIMUM PEAK FLOW		36 Jun 20	92 May 7 2004
MAXIMUM PEAK STAGE		20.96 Jun 20	21.74 May 7 2004
INSTANTANEOUS LOW FLOW			d0.56 Mar 21 2000
ANNUAL RUNOFF (AC-FT)	2160	2300	2430
ANNUAL RUNOFF (CFSM)	0.492	0.525	0.554
ANNUAL RUNOFF (INCHES)	6.70	7.14	7.53
10 PERCENT EXCEEDS	4.9	6.3	6.3
50 PERCENT EXCEEDS	2.1	2.1	2.5
90 PERCENT EXCEEDS	1.4	1.0	1.1

See Period of Record; partial year was used in monthly statistics

b Dec. 25 through Dec. 31

c Feb. 5 through Apr. 19

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

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 September 2005 (discontinued).

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	e2.3	e1.9	e1.8	e1.6	e1.6	e1.7	21	e6.8	10	17	7.6
2	3.1	e2.3	e1.9	e1.8	e1.6	e1.6	e1.7	15	e8.8	11	19	7.6
3	3.5	e2.2	e1.9	e1.8	e1.6	e1.6	e1.7	14	e15	10	15	7.4
4	3.5	e2.2	e1.8	e1.8	e1.6	e1.6	e1.7	14	e16	11	12	7.0
5	3.3	e2.2	e1.8	e1.8	e1.6	e1.6	e1.7	11	e12	12	11	6.7
6	3.3	e2.2	e1.8	e1.8	e1.6	e1.6	e1.7	10	e9.6	12	11	6.7
7	3.3	e2.2	e1.8	e1.8	e1.6	e1.6	e1.7	12	e8.4	12	11	6.6
8	3.3	e2.1	e1.8	e1.8	e1.6	e1.7	e1.7	15	e7.8	11	10	6.9
9	3.1	e2.1	e1.8	e1.7	e1.6	e1.7	e1.7	15	e7.4	11	9.4	6.9
10	3.3	e2.1	e1.8	e1.7	e1.6	e1.7	e1.7	12	e7.2	11	8.7	6.8
11	3.0	e2.1	e1.8	e1.7	e1.6	e1.7	e1.7	9.5	e7.0	10	8.2	6.7
12	3.0	e2.0	e1.8	e1.7	e1.6	e1.7	e1.7	7.4	e7.2	9.7	8.0	6.7
13	3.1	e2.0	e1.8	e1.7	e1.6	e1.7	e1.7	7.5	e9.8	9.2	7.8	6.6
14	3.0	e2.0	e1.8	e1.7	e1.6	e1.7	e1.7	6.6	e9.4	8.9	7.5	6.7
15	2.7	e2.0	e1.8	e1.7	e1.6	e1.7	e1.7	5.5	e10	8.6	7.4	6.6
16	2.8	e2.0	e1.8	e1.7	e1.6	e1.7	e1.7	e5.0	e8.2	8.4	7.4	6.5
17	2.3	e2.0	e1.8	e1.7	e1.6	e1.7	e1.7	e8.0	e9.6	9.7	7.3	6.3
18	e2.0	e2.0	e1.8	e1.7	e1.6	e1.7	e1.7	e40	e13	16	7.1	6.6
19	e2.2	e2.0	e1.8	e1.7	e1.6	e1.7	e1.7	e13	e28	20	7.0	6.9
20	e2.4	e2.0	e1.8	e1.7	e1.6	e1.7	e1.8	e9.0	e50	14	7.1	7.4
21	e2.5	e2.0	e1.8	e1.7	e1.6	e1.7	e2.0	e8.0	e23	12	6.9	7.9
22	e2.6	e2.0	e1.8	e1.7	e1.6	e1.7	e2.5	e7.6	e15	10	6.6	7.7
23	e2.6	e1.9	e1.8	e1.7	e1.6	e1.7	e3.5	e6.8	e13	9.8	6.7	8.1
24	e2.5	e1.9	e1.8	e1.7	e1.6	e1.7	e5.0	e6.3	e12	9.1	6.4	10
25	e2.5	e1.9	e1.8	e1.7	e1.6	e1.7	e8.0	e6.2	e12	8.7	6.6	11
26	e2.5	e1.9	e1.8	e1.7	e1.6	e1.7	e12	e6.3	e11	8.2	6.5	10
27	e2.4	e1.9	e1.8	e1.6	e1.6	e1.7	e16	e6.0	e10	8.3	6.4	9.2
28	e2.4	e1.9	e1.8	e1.6	e1.6	e1.7	e19	e6.0	e10	8.5	6.5	8.6
29	e2.4	e1.9	e1.8	e1.6	---	e1.7	23	e6.0	e9.8	8.1	6.4	8.7
30	e2.3	e1.9	e1.8	e1.6	---	e1.7	23	e5.8	9.7	8.8	6.7	8.8
31	e2.3	---	e1.8	e1.6	---	e1.7	---	e5.8	---	8.4	6.9	---
TOTAL	86.9	61.2	56.1	53.0	44.8	52.0	148.1	321.3	376.7	325.4	271.5	227.2
MEAN	2.80	2.04	1.81	1.71	1.60	1.68	4.94	10.4	12.6	10.5	8.76	7.57
MAX	3.7	2.3	1.9	1.8	1.6	1.7	23	40	50	20	19	11
MIN	2.0	1.9	1.8	1.6	1.6	1.6	1.7	5.0	6.8	8.1	6.4	6.3
AC-FT	172	121	111	105	89	103	294	637	747	645	539	451
CFSM	0.27	0.19	0.17	0.16	0.15	0.16	0.47	0.99	1.20	1.00	0.83	0.72
IN.	0.31	0.22	0.20	0.19	0.16	0.18	0.52	1.14	1.33	1.15	0.96	0.80

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)#

	4.52	2.80	1.95	1.45	1.29	1.21	2.99	10.3	5.98	5.64	7.71	8.00
MEAN	4.52	2.80	1.95	1.45	1.29	1.21	2.99	10.3	5.98	5.64	7.71	8.00
MAX	8.88	5.06	3.41	2.69	2.34	2.12	7.40	16.4	12.6	10.5	16.0	18.5
(WY)	2001	2004	2004	2004	2004	2004	2003	2000	2005	2005	2000	2000
MIN	1.63	1.31	0.98	0.71	0.56	0.45	0.91	4.27	1.74	3.11	4.29	2.69
(WY)	2000	2000	1998	1998	1998	1998	1998	1998	1998	1998	1998	1999

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR			FOR 2005 WATER YEAR			WATER YEARS 1997 - 2005#		
ANNUAL TOTAL	1661.0			2024.2			4.54		
ANNUAL MEAN	4.54			5.55			5.91		
HIGHEST ANNUAL MEAN							2.07		
LOWEST ANNUAL MEAN							2.07		
HIGHEST DAILY MEAN	99			50			99		
LOWEST DAILY MEAN	a1.8			b1.6			0.40		
ANNUAL SEVEN-DAY MINIMUM	1.8			1.6			0.40		
MAXIMUM PEAK FLOW				86			c180		
MAXIMUM PEAK STAGE				d29.82			30.46		
ANNUAL RUNOFF (AC-FT)	3290			4020			3290		
ANNUAL RUNOFF (CFSM)	0.432			0.528			0.432		
ANNUAL RUNOFF (INCHES)	5.88			7.17			5.87		
10 PERCENT EXCEEDS	7.9			12			9.5		
50 PERCENT EXCEEDS	2.8			2.5			2.7		
90 PERCENT EXCEEDS	1.9			1.6			0.80		

See Period of Record; partial years used in monthly statistics

a From Dec 4 to Dec 31

b From Jan 27 to Mar 7

c From rating curve extended above 30 ft³/s

d From crest-stage gage

e Estimated

15477790 CENTRAL CREEK NEAR BIG DELTA

LOCATION.--Lat 64°2'37", 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 September 2005 (discontinued).

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

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

REVISIONS.--Revised daily discharges in cubic feet per second for water year 2004 are given below. These figures supersede those published in report and AK-04-1.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	e8.5	e7.5	e5.5	e5.0	e4.5	e4.2	483	61	85	283	91
2	22	e8.0	e7.0	e5.5	e5.0	e4.5	e4.2	337	77	83	346	107
3	24	e7.6	e7.0	e5.5	e5.0	e4.5	e4.2	280	230	81	217	100
4	25	e7.4	e7.0	e5.5	e5.0	e4.5	e4.2	288	324	82	167	92
5	21	e7.0	e7.0	e5.5	e4.5	e4.5	e4.2	257	200	90	159	86
6	25	e7.4	e7.0	e5.5	e4.5	e4.5	e4.2	225	138	91	154	82
7	23	e8.0	e7.0	e5.5	e4.5	e4.5	e4.2	248	108	89	148	80
8	23	e9.0	e7.0	e5.0	e4.5	e4.5	e4.2	311	91	90	135	81
9	22	e9.4	e6.5	e5.0	e4.5	e4.5	e4.2	329	79	89	123	81
10	20	e10	e6.5	e5.0	e4.5	e4.5	e4.2	301	71	100	113	80
11	22	e11	e6.5	e5.0	e4.5	e4.5	e4.2	231	64	94	105	79
12	18	e11	e6.5	e5.0	e4.5	e4.5	e4.5	190	63	86	99	78
13	22	e10	e6.5	e5.0	e4.5	e4.5	e4.5	193	81	80	94	78
14	21	e9.5	e6.5	e5.0	e4.5	e4.5	e4.5	169	96	75	90	78
15	20	e9.5	e6.5	e5.0	e4.5	e4.2	e4.5	144	110	72	85	77
16	16	e9.0	e6.0	e5.0	e4.5	e4.2	e4.5	128	93	69	85	77
17	e13	e9.0	e6.0	e5.0	e4.5	e4.2	e4.5	105	94	71	83	76
18	e10	e8.5	e6.0	e5.0	e4.5	e4.2	e4.5	526	103	96	81	77
19	e9.0	e8.5	e6.0	e5.0	e4.5	e4.2	e5.0	255	183	257	79	83
20	e10	e8.0	e6.0	e5.0	e4.5	e4.2	e7.0	156	769	172	78	102
21	e12	e8.0	e6.0	e5.0	e4.5	e4.2	e10	121	318	131	76	122
22	e15	e8.0	e6.0	e5.0	e4.5	e4.2	e14	119	189	111	75	116
23	e15	e8.0	e6.0	e5.0	e4.5	e4.2	18	106	143	100	73	117
24	e14	e8.0	e6.0	e5.0	e4.5	e4.2	30	94	120	92	72	132
25	e14	e8.0	e6.0	e5.0	e4.5	e4.2	62	85	111	87	72	162
26	e13	e8.0	e6.0	e5.0	e4.5	e4.2	136	84	106	81	72	151
27	e12	e8.0	e5.5	e5.0	e4.5	e4.2	241	79	99	77	71	137
28	e11	e8.0	e5.5	e5.0	e4.5	e4.2	318	75	96	85	70	127
29	e10	e8.0	e5.5	e5.0	---	e4.2	358	70	89	84	70	121
30	e9.5	e8.0	e5.5	e5.0	---	e4.2	482	65	82	93	70	122
31	e9.0	---	e5.5	e5.0	---	e4.2	---	61	---	111	82	---
TOTAL	527.5	256.3	195.5	158.5	128.0	134.4	1758.7	6115	4388	3004	3527	2992
MEAN	17.0	8.54	6.31	5.11	4.57	4.34	58.6	197	146	96.9	114	99.7
MAX	27	11	7.5	5.5	5.0	4.5	482	526	769	257	346	162
MIN	9.0	7.0	5.5	5.0	4.5	4.2	4.2	61	61	69	70	76
AC-FT	1050	508	388	314	254	267	3490	12130	8700	5960	7000	5930
CFSM	0.15	0.07	0.05	0.04	0.04	0.04	0.51	1.72	1.27	0.84	0.99	0.87
IN.	0.17	0.08	0.06	0.05	0.04	0.04	0.57	1.98	1.42	0.97	1.14	0.97

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)

	MEAN	32.3	14.2	7.29	4.36	3.43	3.06	24.4	179	97.6	80.3	111	92.5
MAX	60.3	30.9	17.4	11.3	8.74	8.00	68.4	318	170	128	237	228	
(WY)	2003	2001	2003	2001	2001	2004	2003	2004	2000	2001	2000	2003	
MIN	13.8	4.71	0.75	0.03	0.00	0.00	3.83	81.6	26.3	33.0	36.1	26.0	
(WY)	2000	1999	1999	1999	1999	1999	2002	1998	1998	2004	2004	2004	

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1997 - 2005

ANNUAL TOTAL	18315.2	23184.9	
ANNUAL MEAN	50.0	63.5	55.0
HIGHEST ANNUAL MEAN			75.7
LOWEST ANNUAL MEAN			26.8
HIGHEST DAILY MEAN	2040	May 7	2040
LOWEST DAILY MEAN	a5.5	Dec 27	c0.00
ANNUAL SEVEN-DAY MINIMUM	5.6	Dec 25	0.00
MAXIMUM PEAK FLOW			d2800
MAXIMUM PEAK STAGE			46.42
ANNUAL RUNOFF (AC-FT)	36330	45990	39850
ANNUAL RUNOFF (CFSM)	0.435	0.552	0.478
ANNUAL RUNOFF (INCHES)	5.92	7.50	6.50
10 PERCENT EXCEEDS	96	155	132
50 PERCENT EXCEEDS	14	13	21
90 PERCENT EXCEEDS	8.0	4.5	0.40

See Period of Record; partial years used in monthly statistics
a From Dec 27 to Dec 31
b From Mar 15 to Apr 11
c From Jan. 8 to Apr. 17, 1999 and Feb. 18 to Apr. 17, 2000
d From rating curve extended above 430 ft³/s
e Estimated

15478040 PHELAN CREEK NEAR PAXSON

LOCATION.--Lat 63°14'27", Long 145°28'03", in SW¹/₄ sec. 28, T. 19 S., R. 12 E. (Mt.Hayes A-3 quad), Hydrologic Unit 19020102, on left bank about 1 mi downstream from terminus of Gulkana Glacier and 14.5 mi north of Paxson, Alaska.

DRAINAGE AREA.--12.2 mi².

PERIOD OF RECORD.--October 1966 to September 1978, annual maximums, water years 1984-85, October 1989 to current year. Water year 1994 not published, daily mean values of discharge are available from the computer files of the Alaska Science Center. Prior to October 1968, published as Gulkana Creek near Paxson.

GAGE.--Water-stage recorder. Datum of gage is 3,690 ft above sea level.

REMARKS.--Records are poor. Streamflow augmented by Gulkana Glacier and other glaciers that cover 7.5 mi² and 1.1 mi², respectively, of the drainage basin. A recording air temperature and precipitation gage at 4,860 ft above sea level, plus 3 snow and ice balance measurement sites, are located in the basin. Combined snow, ice, and water balances of the basin are published in other reports of the Geological Survey. GOES satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	e8.7	e6.2	e5.3	e4.5	e3.8	e3.4	e4.5	112	306	139	83
2	15	e8.5	e6.1	e5.2	e4.5	e3.8	e3.4	e5.0	101	314	163	74
3	16	e8.4	e6.1	e5.2	e4.4	e3.8	e3.4	e6.0	103	389	175	74
4	16	e8.3	e6.1	e5.2	e4.4	e3.8	e3.4	e7.0	124	376	206	94
5	17	e8.1	e6.0	e5.2	e4.4	e3.8	e3.4	e8.0	152	391	229	113
6	16	e8.0	e6.0	e5.2	e4.4	e3.8	e3.4	e10	190	330	225	124
7	15	e7.8	e5.9	e5.1	e4.3	e3.8	e3.4	e15	194	438	238	125
8	e14	e7.7	e5.9	e5.1	e4.3	e3.7	e3.3	e20	196	475	288	98
9	14	e7.6	e5.9	e5.0	e4.3	e3.7	e3.3	e30	203	446	358	110
10	13	e7.5	e5.9	e5.0	e4.2	e3.7	e3.3	e40	236	511	457	189
11	13	e7.4	e5.8	e5.0	e4.2	e3.7	e3.3	e50	289	476	517	127
12	13	e7.3	e5.8	e5.0	e4.2	e3.7	e3.3	e60	255	363	508	142
13	12	e7.2	e5.8	e5.0	e4.2	e3.6	e3.3	e70	352	611	448	136
14	12	e7.1	e5.8	e5.0	e4.1	e3.6	e3.3	e85	339	631	487	101
15	12	e7.1	e5.7	e4.9	e4.1	e3.6	e3.3	e100	294	399	368	89
16	e12	e7.0	e5.7	e4.9	e4.1	e3.6	e3.3	e125	330	401	414	99
17	e12	e6.9	e5.7	e4.9	e4.0	e3.6	e3.3	e125	353	397	480	92
18	e11	e6.8	e5.6	e4.9	e4.0	e3.6	e3.3	e100	320	696	364	70
19	e11	e6.8	e5.6	e4.9	e4.0	e3.6	e3.3	84	370	473	299	65
20	e11	e6.7	e5.6	e4.8	e4.0	e3.6	e3.3	97	330	369	271	59
21	e11	e6.7	e5.6	e4.8	e4.0	e3.6	e3.3	102	303	306	422	49
22	e11	e6.6	e5.5	e4.8	e3.9	e3.6	e3.3	98	265	314	289	45
23	e10	e6.6	e5.5	e4.8	e3.9	e3.5	e3.4	96	256	238	375	59
24	e10	e6.5	e5.5	e4.7	e3.9	e3.5	e3.4	104	257	246	307	92
25	e10	e6.5	e5.5	e4.7	e3.9	e3.5	e3.4	108	259	235	186	56
26	e9.8	e6.4	e5.5	e4.7	e3.8	e3.5	e3.5	106	281	284	165	48
27	e9.6	e6.4	e5.4	e4.7	e3.8	e3.5	e3.6	111	314	344	143	44
28	e9.4	e6.3	e5.4	e4.6	e3.8	e3.5	e3.7	119	326	275	123	40
29	e9.3	e6.3	e5.4	e4.6	---	e3.4	e3.8	118	387	268	124	37
30	e9.1	e6.2	e5.3	e4.5	---	e3.4	e3.9	121	317	223	137	32
31	e8.9	---	e5.3	e4.5	---	e3.4	---	120	---	167	117	---
TOTAL	378.1	215.4	177.1	152.2	115.6	112.3	102.0	2244.5	7808	11692	9022	2566
MEAN	12.2	7.18	5.71	4.91	4.13	3.62	3.40	72.4	260	377	291	85.5
MAX	17	8.7	6.2	5.3	4.5	3.8	3.9	125	387	696	517	189
MIN	8.9	6.2	5.3	4.5	3.8	3.4	3.3	4.5	101	167	117	32
AC-FT	750	427	351	302	229	223	202	4450	15490	23190	17900	5090
CFSM	1.00	0.59	0.47	0.40	0.34	0.30	0.28	5.93	21.3	30.9	23.9	7.01
IN.	1.15	0.66	0.54	0.46	0.35	0.34	0.31	6.84	23.81	35.65	27.51	7.82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2005, BY WATER YEAR (WY)#

	MEAN	12.5	6.18	4.36	3.38	2.84	2.51	2.38	19.7	156	318	260	62.5
MAX	36.6	15.1	8.67	5.32	5.00	4.71	4.00	72.4	414	536	516	129	
(WY)	2004	2003	2003	1996	2004	2004	1971	2005	2004	2004	2004	1995	
MIN	5.55	2.50	2.00	1.48	1.00	1.00	1.00	2.39	72.9	181	73.6	14.3	
(WY)	1999	1978	1978	1967	1967	1967	1967	1992	1975	1991	1992	1992	

See Period of Record; breaks in record.
e Estimated

15478040 PHELAN CREEK NEAR PAXSON—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1967 - 2005#	
ANNUAL TOTAL	49146.6		34585.2			
ANNUAL MEAN	134		94.8		71.5	
HIGHEST ANNUAL MEAN					136	2004
LOWEST ANNUAL MEAN					43.0	1973
HIGHEST DAILY MEAN	725	Aug 7	696	Jul 18	1330	Aug 13 1997
LOWEST DAILY MEAN	a4.0	Mar 23	b3.3	Apr 8	c1.0	Jan 16 1967
ANNUAL SEVEN-DAY MINIMUM	4.0	Mar 23	3.3	Apr 8	1.0	Jan 16 1967
MAXIMUM PEAK FLOW			1120	Jul 14	2320	Aug 13 1967
MAXIMUM PEAK STAGE			9.59	Jul 14	11.51	Aug 13 1967
MAXIMUM PEAK STAGE					df14.70	Jun 1 1967
ANNUAL RUNOFF (AC-FT)	97480		68600		51820	
ANNUAL RUNOFF (CFSM)	11.0		7.77		5.86	
ANNUAL RUNOFF (INCHES)	149.86		105.46		79.66	
10 PERCENT EXCEEDS	546		330		261	
50 PERCENT EXCEEDS	7.6		8.3		6.0	
90 PERCENT EXCEEDS	4.0		3.6		2.0	

See Period of Record; breaks in record.

a From Mar. 23 to May 2

b From Apr. 8 to 22

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

d Backwater from snow and ice

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

15484000 SALCHA RIVER NEAR SALCHAKET

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

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

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

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

REMARKS.--Records good 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)
	May 19	0730	*12400	*12.19

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005 DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	932	e460	e430	e350	e310	e270	e330	7920	2550	2170	1950	1560
2	949	e430	e430	e350	e310	e270	e330	7180	6450	3100	2010	1680
3	920	e410	e430	e350	e310	e270	e330	5630	6810	3090	2100	1720
4	920	e420	e420	e340	e300	e270	e330	4690	6710	2820	2140	1700
5	939	e430	e410	e340	e300	e270	e330	4340	6190	2670	2060	1650
6	925	e440	e400	e340	e290	e270	e330	3960	4810	2950	2100	1590
7	928	e450	e390	e330	e290	e270	e340	3700	3810	3120	2220	1560
8	922	e460	e390	e330	e290	e270	e340	3740	3210	3370	2330	1560
9	906	e480	e390	e330	e280	e270	e340	4260	2810	3660	2250	1660
10	880	e500	e390	e330	e280	e270	e350	5220	2520	3380	2120	1820
11	874	e520	e390	e330	e270	e270	e360	5230	2310	3730	2010	1840
12	862	e520	e380	e330	e270	e270	e370	4680	2240	3720	1900	1810
13	854	e510	e380	e330	e270	e270	e370	4190	2720	3250	1820	1780
14	848	e500	e370	e320	e270	e280	e370	4520	3300	2900	1760	1830
15	853	e490	e370	e320	e260	e280	e380	4530	3400	2640	1720	1890
16	834	e480	e360	e320	e260	e280	e380	4700	2920	2460	1680	1910
17	800	e470	e360	e320	e260	e280	e390	5070	2610	2320	1650	1880
18	e770	e460	e350	e320	e260	e280	e400	4910	2540	2340	1620	1850
19	e740	e460	e350	e320	e260	e280	e410	10100	2500	2920	1590	1900
20	e710	e460	e350	e320	e260	e280	e420	6360	4410	3580	1570	2040
21	e680	e470	e350	e320	e260	e280	e440	4610	8310	3220	1560	2170
22	e680	e470	e350	e320	e260	e280	e480	3680	5540	2850	1560	2350
23	e690	e460	e350	e320	e270	e290	e550	3070	4330	2590	1500	2450
24	e700	e460	e350	e320	e270	e290	e700	2630	3900	2400	1490	2670
25	e690	e450	e350	e320	e270	e300	e1000	2350	3330	2260	1510	3510
26	e680	e440	e350	e320	e270	e300	e1800	2260	2980	2150	1530	5160
27	e670	e440	e350	e320	e270	e310	e3400	2190	2750	2070	1540	4880
28	e660	e430	e350	e310	e270	e310	e4500	2170	2540	1990	1510	4240
29	e630	e430	e350	e310	---	e310	6670	2310	2340	1950	1490	3890
30	e600	e430	e350	e310	---	e320	7430	2510	2200	1880	1480	3680
31	e540	---	e350	e310	---	e320	---	2280	---	1900	1490	---
TOTAL	24586	13830	11590	10100	7740	8780	34170	134990	113040	85450	55260	70230
MEAN	793	461	374	326	276	283	1139	4355	3768	2756	1783	2341
MAX	949	520	430	350	310	320	7430	10100	8310	3730	2330	5160
MIN	540	410	350	310	260	270	330	2170	2200	1880	1480	1560
AC-FT	48770	27430	22990	20030	15350	17420	67780	267800	224200	169500	109600	139300
CFSM	0.37	0.21	0.17	0.15	0.13	0.13	0.52	2.01	1.74	1.27	0.82	1.08
IN.	0.42	0.24	0.20	0.17	0.13	0.15	0.59	2.31	1.94	1.46	0.95	1.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2005, BY WATER YEAR (WY)#

	MEAN	1095	513	363	265	215	195	426	4251	3741	2654	3035	2484
MAX	1969	1028	730	471	449	377	1373	8666	8640	7330	13350	6186	
(WY)	1994	1994	1994	1992	1994	1992	1993	1962	1964	1949	1967	1952	
MIN	484	230	160	130	62.0	60.0	104	1564	963	568	717	636	
(WY)	1959	1954	1954	1954	1953	1953	1974	1964	1969	1958	1966	1966	

See Period of Record
e Estimated

15484000 SALCHA RIVER NEAR SALCHAKET—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1949 - 2005#	
ANNUAL TOTAL	446350		569766			
ANNUAL MEAN	1220		1561		1612	
HIGHEST ANNUAL MEAN					2957	1967
LOWEST ANNUAL MEAN					796	1999
HIGHEST DAILY MEAN	15300	May 8	10100	May 19	94100	Aug 14 1967
LOWEST DAILY MEAN	a300	Mar 27	b260	Feb 15	c60	Mar 1 1953
ANNUAL SEVEN-DAY MINIMUM	300	Mar 27	260	Feb 15	60	Mar 1 1953
MAXIMUM PEAK FLOW			12400	May 19	97000	Aug 14 1967
MAXIMUM PEAK STAGE			12.19	May 19	21.78	Aug 14 1967
ANNUAL RUNOFF (AC-FT)	885300		1130000		1167000	
ANNUAL RUNOFF (CFSM)	0.562		0.719		0.743	
ANNUAL RUNOFF (INCHES)	7.65		9.77		10.09	
10 PERCENT EXCEEDS	2780		3840		3940	
50 PERCENT EXCEEDS	700		690		660	
90 PERCENT EXCEEDS	320		280		170	

See Period of Record

a From Mar. 27 to Apr. 6

b From Feb. 15 to Feb. 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 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 fair 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14300	e7700	e6400	e5600	e5500	e5500	e6900	e40000	34000	55800	49300	34600
2	14400	e6900	e6400	e5600	e5500	e5500	e6900	e40000	35300	58000	46700	33600
3	14400	e6500	e6300	e5600	e5500	e5500	e7000	e39000	38900	59100	44700	31800
4	14300	e6400	e6300	e5600	e5500	e5500	e7000	36900	38700	59600	45400	30400
5	14700	e6400	e6200	e5600	e5500	e5500	e7100	33000	39000	59800	45400	29900
6	14700	e6400	e6100	e5500	e5500	e5600	e7200	30600	39200	61300	45600	30200
7	14600	e6500	e6100	e5500	e5500	e5600	e7300	29500	38200	64000	46200	31400
8	14400	e6600	e6100	e5500	e5500	e5600	e7400	28200	36700	65200	46000	33000
9	14300	e7000	e6100	e5500	e5500	e5600	e7500	28000	36300	65900	45100	33500
10	14100	e7500	e6000	e5500	e5500	e5600	e7600	28600	36000	65100	45800	33000
11	14000	e7800	e6000	e5500	e5500	e5600	e7700	29500	36500	64300	48200	32900
12	13900	e7900	e6000	e5500	e5500	e5600	e7900	30100	37700	66200	51200	33400
13	13500	e7800	e5900	e5500	e5500	e5600	e8000	30500	39600	67800	54000	32400
14	13600	e7500	e5900	e5500	e5500	e5600	e8100	30700	42800	67000	56200	32500
15	13700	e7200	e5900	e5500	e5500	e5600	e8300	31600	48200	64800	58100	31800
16	13600	e7100	e5900	e5500	e5500	e5600	e8400	32600	50900	63400	58200	30200
17	13500	e7100	e5900	e5500	e5500	e5600	e8500	34000	52000	64100	57300	29600
18	13200	e7100	e5900	e5500	e5500	e5600	e8600	33800	53300	64800	56700	29700
19	12600	e7000	e5800	e5500	e5500	e5700	e8700	36300	56800	67900	56100	30000
20	12400	e6900	e5800	e5500	e5500	e5800	e8900	38400	62000	71000	50700	29800
21	11900	e6900	e5800	e5500	e5500	e5800	e9200	34900	70400	68200	47800	29100
22	12000	e6900	e5800	e5500	e5500	e5900	e9400	33200	69900	64200	46600	28600
23	11900	e6800	e5800	e5500	e5500	e5900	e9700	32300	64200	60500	46800	28000
24	11500	e6700	e5700	e5500	e5500	e6000	e10000	31500	60600	58700	44800	27700
25	11300	e6600	e5700	e5500	e5500	e6000	e10500	31000	57300	57000	47200	28300
26	11300	e6600	e5700	e5500	e5500	e6100	e11000	30900	53500	55000	46500	29900
27	11200	e6500	e5700	e5500	e5500	e6200	e12000	30700	51800	54400	40700	29500
28	e11000	e6400	e5700	e5500	e5500	e6300	e20000	30600	51000	55500	38100	28500
29	e10500	e6400	e5700	e5500	---	e6500	e32000	31200	51600	55100	36900	27700
30	e10000	e6400	e5600	e5500	---	e6700	e39000	32200	52500	53100	35600	27200
31	e8600	---	e5600	e5500	---	e6800	---	33000	---	52000	35200	---
TOTAL	399400	207500	183800	171000	154000	180000	317800	1012800	1434900	1908800	1473100	918200
MEAN	12880	6917	5929	5516	5500	5806	10590	32670	47830	61570	47520	30610
MAX	14700	7900	6400	5600	5500	6800	39000	40000	70400	71000	58200	34600
MIN	8600	6400	5600	5500	5500	5500	6900	28000	34000	52000	35200	27200
AC-FT	792200	411600	364600	339200	305500	357000	630400	2009000	2846000	3786000	2922000	1821000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2005, 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	2003	2004	2005
MEAN	13920	7894	6265	5665	5473	5426	7594	23080	36670	53230	48880	27290																					
MAX	20840	12520	8252	7135	6700	6761	12700	36290	51350	66090	70080	44880																					
(WY)	2003	2003	2004	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 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1973 - 2005#
ANNUAL TOTAL	7910100	8361300	
ANNUAL MEAN	21610	22910	20290
HIGHEST ANNUAL MEAN			22970
LOWEST ANNUAL MEAN			16080
HIGHEST DAILY MEAN	67300	71000	92400
LOWEST DAILY MEAN	a5600	b5500	c3100
ANNUAL SEVEN-DAY MINIMUM	5670	5500	3100
MAXIMUM PEAK FLOW		73600	96400
MAXIMUM PEAK STAGE		24.50	26.25
ANNUAL RUNOFF (AC-FT)	15690000	16580000	14700000
10 PERCENT EXCEEDS	55600	56100	50600
50 PERCENT EXCEEDS	11700	11300	10000
90 PERCENT EXCEEDS	6100	5500	5200

See Period of Record, partial years used in monthly statistics
a From Dec. 30 to Dec. 31
b From Jan. 06 to Mar. 05
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 NE $\frac{1}{4}$ 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 good 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 26.60 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	407	e150	e190	e150	e120	e110	e150	3830	1920	1470	1050	758
2	413	e150	e180	e150	e120	e110	e150	2960	3980	2390	1020	779
3	396	e150	e170	e140	e120	e110	e150	2240	2600	1940	988	762
4	399	e160	e170	e140	e110	e110	e150	2060	2320	1710	952	741
5	392	e170	e170	e140	e110	e110	e150	1840	1950	1730	978	717
6	386	e180	e170	e140	e110	e110	e150	1620	1590	1680	1030	695
7	390	e190	e170	e140	e110	e110	e150	1520	1350	1720	1060	685
8	385	e200	e170	e140	e110	e110	e150	1570	1190	2240	1020	721
9	380	e220	e170	e140	e110	e120	e160	1680	1090	2000	973	782
10	372	e230	e170	e140	e110	e120	e160	1750	1010	2570	927	806
11	361	e240	e160	e140	e110	e120	e160	1540	939	2860	886	801
12	353	e250	e160	e140	e110	e120	e160	1390	981	2320	852	786
13	343	e250	e160	e140	e110	e120	e160	1340	1170	1960	819	792
14	339	e240	e160	e140	e110	e120	e170	1470	1190	1720	795	822
15	336	e230	e160	e140	e110	e120	e170	1360	1080	1550	774	823
16	330	e220	e160	e140	e110	e120	e170	1590	962	1450	758	813
17	e320	e210	e160	e130	e110	e120	e180	1460	1480	1490	745	793
18	e310	e210	e160	e130	e110	e130	e190	3290	1480	2000	732	786
19	e300	e220	e160	e130	e110	e130	e200	3000	1290	3460	716	788
20	e290	e230	e160	e130	e110	e130	e220	1920	2400	2910	700	801
21	e280	e230	e160	e130	e110	e130	e260	1500	2520	2240	694	872
22	e280	e230	e160	e130	e110	e140	e340	1260	1840	1890	685	944
23	e280	e220	e160	e130	e110	e140	e450	1110	1540	1670	672	1020
24	e280	e210	e150	e130	e110	e140	e600	996	1340	1520	661	1390
25	e280	e200	e150	e130	e110	e140	e900	918	1180	1410	696	2600
26	e270	e200	e150	e130	e110	e140	e1500	869	1100	1320	701	3020
27	e270	e200	e150	e130	e110	e140	e2300	834	1020	1250	687	2580
28	e260	e190	e150	e130	e110	e140	e3000	814	951	1180	683	2170
29	e230	e190	e150	e130	---	e140	3410	804	894	1120	684	1930
30	e200	e190	e150	e120	---	e140	3670	766	846	1110	683	1690
31	e170	---	e150	e120	---	e140	---	759	---	1090	690	---
TOTAL	10002	6160	5010	4190	3110	3880	19730	50060	45203	56970	25311	33667
MEAN	323	205	162	135	111	125	658	1615	1507	1838	816	1122
MAX	413	250	190	150	120	140	3670	3830	3980	3460	1060	3020
MIN	170	150	150	120	110	110	150	759	846	1090	661	685
AC-FT	19840	12220	9940	8310	6170	7700	39130	99290	89660	113000	50200	66780
CFSM	0.34	0.22	0.17	0.14	0.12	0.13	0.70	1.72	1.61	1.96	0.87	1.20
IN.	0.40	0.24	0.20	0.17	0.12	0.15	0.78	1.99	1.79	2.26	1.00	1.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2005, BY WATER YEAR (WY)

	MEAN	573	277	191	136	110	97.5	259	1851	1334	1083	1302	1167
MAX	1656	617	369	242	246	171	912	4210	4038	2505	3207	2739	
(WY)	1987	1987	1994	1994	1994	1991	2003	1971	1992	1984	1969	2003	
MIN	260	120	85.5	38.1	20.2	21.9	68.3	625	323	380	437	423	
(WY)	1969	1969	1977	1970	1970	1970	1982	1998	1969	1976	1976	2004	

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1968 - 2005
ANNUAL TOTAL	182163	263293	
ANNUAL MEAN	498	721	702
HIGHEST ANNUAL MEAN			1080
LOWEST ANNUAL MEAN			398
HIGHEST DAILY MEAN	4350	May 8	17700 Jun 3 1992
LOWEST DAILY MEAN	a140	Mar 24	c20 Feb 6 1970
ANNUAL SEVEN-DAY MINIMUM	140	Mar 24	110 Feb 4
MAXIMUM PEAK FLOW		4820 Jun 2	20000 Jun 3 1992
MAXIMUM PEAK STAGE		18.34 Jun 2	d22.04 Jun 3 1992
MAXIMUM PEAK STAGE			f23.56 Jul 28 2003
ANNUAL RUNOFF (AC-FT)	361300	522200	508700
ANNUAL RUNOFF (CFSM)	0.531	0.770	0.749
ANNUAL RUNOFF (INCHES)	7.23	10.45	10.18
10 PERCENT EXCEEDS	1170	1860	1650
50 PERCENT EXCEEDS	330	280	340
90 PERCENT EXCEEDS	150	120	87

a From Mar. 24 to Apr. 5

b From Feb. 4 to Mar. 8

c From Feb. 6 to Mar. 12, 1970

d At site and datum then in use

e Estimated

f At present gage site and datum, corresponds to a discharge of 16000 ft³/s

15511000 LITTLE CHENA RIVER NEAR FAIRBANKS

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

DRAINAGE AREA.--372 mi².

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

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

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	136	e50	e75	e50	e40	e35	e45	1160	317	381	392	258
2	148	e50	e75	e45	e40	e35	e50	956	775	889	381	252
3	141	e50	e75	e45	e40	e35	e50	776	631	827	368	243
4	140	e50	e75	e45	e40	e35	e50	685	652	731	354	237
5	138	e55	e70	e45	e40	e35	e50	620	699	748	353	232
6	138	e60	e70	e45	e40	e35	e50	553	618	721	361	227
7	137	e65	e70	e45	e40	e35	e50	493	522	706	356	226
8	134	e70	e70	e45	e40	e35	e50	459	455	775	340	242
9	132	e75	e65	e45	e40	e35	e50	446	409	713	327	251
10	128	e80	e65	e45	e35	e35	e50	439	378	794	314	246
11	122	e85	e65	e45	e35	e35	e50	417	354	838	301	247
12	117	e85	e60	e45	e35	e35	e55	389	370	787	291	243
13	115	e90	e60	e45	e35	e35	e55	375	403	713	284	239
14	112	e90	e60	e45	e35	e40	e55	369	477	663	276	239
15	111	e90	e60	e45	e35	e40	e60	357	457	618	267	241
16	106	e90	e60	e45	e35	e40	e60	345	394	579	260	237
17	105	e90	e55	e45	e35	e40	e60	344	409	554	258	232
18	100	e90	e55	e45	e35	e40	e70	656	479	563	261	230
19	e95	e85	e55	e45	e35	e40	e80	989	453	736	254	232
20	e90	e85	e55	e45	e35	e40	e95	641	631	846	250	230
21	e90	e85	e55	e45	e35	e40	e130	511	751	707	249	238
22	e90	e85	e55	e45	e35	e40	e170	436	611	633	248	245
23	e85	e85	e50	e45	e35	e40	e250	386	536	584	245	263
24	e85	e80	e50	e45	e35	e40	e330	350	474	549	240	314
25	e85	e80	e50	e45	e35	e40	e500	319	435	518	245	442
26	e85	e80	e50	e45	e35	e45	e800	296	414	491	247	530
27	e85	e80	e50	e45	e35	e45	e1400	280	391	472	243	539
28	e80	e80	e50	e45	e35	e45	e1800	270	372	450	237	506
29	e70	e80	e50	e45	---	e45	e1700	260	348	430	236	485
30	e60	e80	e50	e45	---	e45	e1350	248	331	418	243	448
31	e55	---	e50	e40	---	e45	---	246	---	405	241	---
TOTAL	3315	2300	1855	1395	1025	1205	9565	15071	14546	19839	8922	8794
MEAN	107	76.7	59.8	45.0	36.6	38.9	319	486	485	640	288	293
MAX	148	90	75	50	40	45	1800	1160	775	889	392	539
MIN	55	50	50	40	35	35	45	246	317	381	236	226
AC-FT	6580	4560	3680	2770	2030	2390	18970	29890	28850	39350	17700	17440
CFSM	0.29	0.21	0.16	0.12	0.10	0.10	0.86	1.31	1.30	1.72	0.77	0.79
IN.	0.33	0.23	0.19	0.14	0.10	0.12	0.96	1.51	1.45	1.98	0.89	0.88

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2005, BY WATER YEAR (WY)#

MEAN	194	105	72.1	48.6	36.9	32.6	98.2	544	340	303	385	325
MAX	490	264	176	112	74.8	72.0	319	1217	932	665	2147	773
(WY)	1987	1994	1986	1987	2001	1993	2005	1991	1992	1981	1967	2003
MIN	69.8	32.0	22.5	7.90	6.00	3.23	19.1	147	99.2	85.0	124	107
(WY)	1967	1967	1978	1970	1970	1967	1970	1998	1998	1997	1997	1966

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1966 - 2005#
ANNUAL TOTAL	56822	87832	
ANNUAL MEAN	155	241	209
HIGHEST ANNUAL MEAN			414
LOWEST ANNUAL MEAN			103
HIGHEST DAILY MEAN	1120	May 8	12000
LOWEST DAILY MEAN	a50	Nov 1	c0.00
ANNUAL SEVEN-DAY MINIMUM	50	Dec 23	0.00
MAXIMUM PEAK FLOW		d	f17000
MAXIMUM PEAK STAGE		g22.53	31.95
ANNUAL RUNOFF (AC-FT)	112700	174200	151700
ANNUAL RUNOFF (CFSM)	0.417	0.647	0.563
ANNUAL RUNOFF (INCHES)	5.68	8.78	7.65
10 PERCENT EXCEEDS	380	619	480
50 PERCENT EXCEEDS	100	95	120
90 PERCENT EXCEEDS	60	40	25

See Period of Record; partial years used in monthly statistics

a From Nov. 1-4 and Dec.23-31

b From Feb. 10 to Mar. 13

c From Mar. 11 to Apr. 15, 1967

d Not determined, occurred during period of backwater from ice, see highest daily mean

e Estimated

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

g Backwater from ice

15514000 CHENA RIVER AT FAIRBANKS

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

DRAINAGE AREA.--1,995 mi².

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

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

REMARKS.--Records are good except for estimated daily discharges, which are fair. Regulation during high-flow periods began July 9, 1981 at Moose Creek Dam 31.8 mi upstream. Flows were not regulated this year. GOES satellite telemetry at station.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	802	e350	e450	e360	e320	e260	e310	5970	1570	1910	2100	1420
2	826	e345	e450	e350	e320	e260	e310	5690	2000	2440	2040	1460
3	848	e340	e450	e350	e310	e270	e310	4850	4050	3900	1990	1500
4	851	e350	e430	e350	e300	e270	e310	4050	3810	3830	1940	1500
5	844	e360	e420	e350	e300	e270	e310	3610	3720	3590	1890	1490
6	833	e370	e410	e340	e290	e270	e320	3270	3500	3530	1880	1470
7	829	e380	e400	e340	e290	e270	e320	2950	3040	3520	1890	1440
8	824	e410	e390	e340	e280	e270	e320	2700	2660	3550	1920	1420
9	824	e440	e390	e340	e280	e270	e330	2600	2380	3900	1890	1440
10	815	e460	e400	e340	e280	e270	e340	2610	2170	3850	1840	1500
11	802	e500	e390	e340	e270	e270	e350	2630	2030	4100	1790	1540
12	790	e520	e390	e340	e270	e270	e360	2480	1930	4540	1740	1560
13	777	e530	e380	e330	e270	e270	e360	2330	1940	4210	1700	1550
14	770	e540	e380	e330	e270	e280	e360	2220	2060	3800	1670	1550
15	761	e530	e370	e330	e260	e280	e370	2230	2260	3460	1630	1570
16	756	e510	e370	e330	e260	e280	e370	2170	2190	3190	1590	1570
17	744	e480	e360	e330	e260	e290	e380	2190	2010	2980	1560	1570
18	e710	e470	e360	e330	e260	e290	e380	2340	2140	2920	1540	1550
19	e690	e470	e360	e330	e260	e290	e380	3930	2440	3190	1520	1540
20	e650	e490	e360	e330	e260	e290	e380	4670	2420	4280	1490	1520
21	e630	e500	e360	e330	e260	e290	e390	3650	3380	4510	1470	1520
22	e640	e500	e370	e330	e270	e280	e400	3010	4180	3920	1460	1570
23	e660	e490	e370	e330	e270	e280	e460	2610	3560	3500	1450	1640
24	e665	e480	e370	e330	e270	e290	e570	2330	3070	3170	1440	1740
25	e650	e470	e370	e330	e270	e290	e780	1970	2740	2930	1430	2020
26	e645	e450	e370	e330	e270	e290	e1300	1960	2490	2740	1430	3020
27	e640	e450	e360	e330	e270	e300	e2700	1850	2310	2580	1440	3860
28	e645	e450	e360	e320	e270	e300	e5000	1760	2170	2450	1430	3840
29	e580	e450	e360	e320	---	e300	5710	1690	2050	2340	1420	3530
30	e540	e450	e360	e320	---	e310	6170	1640	1950	2240	1410	3270
31	e450	---	e360	e320	---	e310	---	1600	---	2160	1410	---
TOTAL	22491	13535	11920	10370	7760	8730	30350	89560	78220	103230	51400	56170
MEAN	726	451	385	335	277	282	1012	2889	2607	3330	1658	1872
MAX	851	540	450	360	320	310	6170	5970	4180	4540	2100	3860
MIN	450	340	360	320	260	260	310	1600	1570	1910	1410	1420
MED	756	465	370	330	270	280	370	2600	2350	3500	1590	1550
AC-FT	44610	26850	23640	20570	15390	17320	60200	177600	155100	204800	102000	111400
CFSM	0.36	0.23	0.19	0.17	0.14	0.14	0.51	1.45	1.31	1.67	0.83	0.94
IN.	0.42	0.25	0.22	0.19	0.14	0.16	0.57	1.67	1.46	1.92	0.96	1.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2005, BY WATER YEAR (WY)#

	1200	599	453	347	287	264	488	3601	2521	2057	2478	2185
MEAN	1200	599	453	347	287	264	488	3601	2521	2057	2478	2185
MAX	2413	1231	922	595	509	445	1406	10250	6721	6133	13120	5735
(WY)	1962	1994	1994	1987	1968	1968	1993	1948	1949	1949	1967	1962
MIN	461	297	194	163	120	120	209	1050	816	665	682	615
(WY)	1967	1959	1977	1977	1953	1958	1977	1998	1969	1958	1957	1957

See Period of Record
e Estimated

15514000 CHENA RIVER AT FAIRBANKS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1948 - 2005#	
ANNUAL TOTAL	347081		483736			
ANNUAL MEAN	948		1325		1360	
HIGHEST ANNUAL MEAN					2603	1962
LOWEST ANNUAL MEAN					713	1958
HIGHEST DAILY MEAN	6350	May 9	6170	Apr 30	64600	Aug 15 1967
LOWEST DAILY MEAN	a330	Mar 30	b260	Feb 15	c120	Feb 1 1953
ANNUAL SEVEN-DAY MINIMUM	330	Mar 30	260	Feb 15	120	Feb 1 1953
MAXIMUM PEAK FLOW			6300	Apr 30	74400	Aug 15 1967
MAXIMUM PEAK STAGE			6.53	Apr 30	d18.82	Aug 15 1967
INSTANTANEOUS LOW FLOW			260	Feb 15	260	Feb 15 2005
ANNUAL RUNOFF (AC-FT)	688400		959500		985100	
ANNUAL RUNOFF (CFSM)	0.475		0.664		0.682	
ANNUAL RUNOFF (INCHES)	6.47		9.02		9.26	
10 PERCENT EXCEEDS	2220		3480		3080	
50 PERCENT EXCEEDS	700		645		725	
90 PERCENT EXCEEDS	360		280		240	

See Period of Record

a Mar. 30 to Apr. 5

b Feb. 15-21, and Mar. 1-2

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

d Site then in use

15515060 MARGUERITE CREEK ABOVE EMMA CREEK NEAR HEALY

LOCATION.--Lat 64°00'32", long 148°43'33", in NE¹/₄ sec. 33, T. 10 S., R. 6 W., (Fairbanks A-4 quad), Hydrologic Unit 19040507, on left bank 1200 ft upstream of mouth of Emma Cr, 12.6 mi northeast of Healy.

DRAINAGE AREA.--15.2 mi².

PERIOD OF RECORD.--June 2004 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,850 ft above sea level, from topographic map.

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

EXTREMES FOR CURRENT YEAR.--

Water year 2004--Maximum discharge for period June through September, 51 ft³/s, August 1, 2004, gage height 24.81 ft; minimum not determined, occurs during winter.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	8.1	30	6.2
2	---	---	---	---	---	---	---	---	---	8.0	20	6.4
3	---	---	---	---	---	---	---	---	---	8.7	12	6.0
4	---	---	---	---	---	---	---	---	---	8.2	9.8	5.7
5	---	---	---	---	---	---	---	---	---	9.1	8.9	5.7
6	---	---	---	---	---	---	---	---	---	13	8.1	5.4
7	---	---	---	---	---	---	---	---	---	10	7.4	5.6
8	---	---	---	---	---	---	---	---	---	9.5	6.9	5.4
9	---	---	---	---	---	---	---	---	---	9.1	6.5	5.4
10	---	---	---	---	---	---	---	---	---	9.6	6.5	5.4
11	---	---	---	---	---	---	---	---	---	8.3	6.5	5.4
12	---	---	---	---	---	---	---	---	---	7.6	6.4	5.3
13	---	---	---	---	---	---	---	---	---	7.1	6.0	6.2
14	---	---	---	---	---	---	---	---	---	6.9	5.8	6.6
15	---	---	---	---	---	---	---	---	---	7.6	5.9	6.5
16	---	---	---	---	---	---	---	---	---	9.5	5.8	6.0
17	---	---	---	---	---	---	---	---	---	7.4	5.8	6.3
18	---	---	---	---	---	---	---	---	---	6.6	5.8	8.6
19	---	---	---	---	---	---	---	---	---	6.6	5.8	7.4
20	---	---	---	---	---	---	---	---	---	7.3	5.8	7.5
21	---	---	---	---	---	---	---	---	e8.8	6.7	5.9	8.3
22	---	---	---	---	---	---	---	---	8.7	6.2	5.9	7.7
23	---	---	---	---	---	‡5.1	---	---	8.4	8.4	5.8	9.2
24	---	---	---	---	---	---	---	---	8.1	8.8	5.9	8.8
25	---	---	---	---	---	‡5.8	---	---	7.9	7.2	6.0	e8.4
26	---	---	---	---	---	---	---	---	7.8	6.7	6.5	e8.2
27	---	---	---	---	---	---	---	---	7.6	6.4	6.5	8.3
28	---	---	---	---	---	---	---	---	7.6	6.4	6.4	8.4
29	---	---	---	---	---	---	---	---	7.7	7.0	6.3	e8.2
30	---	---	---	---	---	---	---	---	7.8	7.6	6.2	e7.8
31	---	---	---	---	---	---	---	---	---	6.9	6.1	---
TOTAL	---	---	---	---	---	---	---	---	---	246.5	243.2	206.3
MEAN	---	---	---	---	---	---	---	---	---	7.95	7.85	6.88
MAX	---	---	---	---	---	---	---	---	---	13	30	9.2
MIN	---	---	---	---	---	---	---	---	---	6.2	5.8	5.3
AC-FT	---	---	---	---	---	---	---	---	---	489	482	409
CFSM	---	---	---	---	---	---	---	---	---	0.52	0.52	0.45
IN.	---	---	---	---	---	---	---	---	---	0.60	0.59	0.50

‡ Result of discharge measurement
e Estimated

15515060 MARGUERITE CREEK ABOVE EMMA CREEK NEAR HEALY—Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e7.2	e6.7	e6.5	e5.6	e5.0	e5.0	e4.9	e54	18	15	15	14
2	e9.0	e6.6	e6.5	e5.5	e5.0	e5.0	e4.9	38	14	21	14	13
3	e9.5	e6.5	e6.4	e5.5	e5.0	e5.0	e4.9	31	17	16	13	12
4	e12	e6.5	e6.4	e5.5	e5.0	e5.0	e4.9	29	31	21	13	11
5	e10	e6.6	e6.4	e5.4	e5.0	e5.0	e4.9	27	36	23	13	11
6	e9.0	e6.7	e6.4	e5.4	e5.0	e5.0	e4.9	24	25	19	14	11
7	e7.8	e6.8	e6.4	e5.4	e5.0	e5.0	e4.9	27	17	24	13	18
8	e7.2	e7.0	e6.3	e5.4	e5.0	e5.0	e4.9	25	14	23	12	32
9	e9.0	e7.1	e6.3	e5.3	e5.0	e5.0	e4.9	23	13	43	12	20
10	e7.0	e7.2	e6.3	e5.3	e5.0	e5.0	e4.9	21	12	28	12	16
11	e7.0	e7.3	e6.2	e5.2	e5.0	e5.0	e4.9	18	11	20	11	15
12	e6.6	e7.3	e6.2	e5.2	e5.0	e5.0	e4.9	16	11	18	11	14
13	e6.6	e7.2	e6.2	e5.1	e5.0	e5.0	e4.9	14	16	17	11	14
14	e6.8	e7.2	e6.1	e5.1	e5.0	e5.0	e4.9	13	14	16	11	14
15	e7.0	e7.1	e6.1	e5.1	e5.0	e5.0	e4.9	18	13	15	10	13
16	e6.9	e7.1	e6.1	e5.1	e5.1	e5.0	e4.9	22	19	15	10	13
17	e6.6	e7.0	e6.0	e5.1	e5.1	e5.0	e4.8	22	16	14	10	12
18	e6.6	e7.0	e6.0	e5.1	e5.1	e5.0	e4.8	28	13	26	10	13
19	e6.7	e6.9	e6.0	e5.0	e5.1	e5.0	e4.8	17	15	25	9.8	21
20	e6.7	e6.9	e6.0	e5.0	e5.1	e5.0	e4.8	14	32	19	9.8	18
21	e6.8	e6.8	e5.9	e5.0	e5.1	e5.0	e4.8	13	21	16	11	16
22	e6.9	e6.8	e5.9	e5.0	e5.1	e5.0	e5.5	15	17	15	11	14
23	e7.0	e6.8	e5.9	e5.0	e5.1	e4.9	e8.0	21	16	14	10	14
24	e7.1	e6.7	e5.8	e5.0	e5.1	e4.9	e14	15	15	14	9.6	16
25	e7.2	e6.7	e5.8	e5.0	e5.1	e4.9	e20	12	18	14	11	15
26	e7.3	e6.7	e5.8	e5.0	e5.0	e4.9	e30	12	19	13	11	13
27	e7.2	e6.6	e5.7	e5.0	e5.0	e4.9	e40	11	15	13	11	13
28	e7.1	e6.6	e5.7	e5.0	e5.0	e4.9	e50	10	13	14	11	13
29	e7.0	e6.6	e5.7	e5.0	---	e4.9	e56	9.8	12	13	12	13
30	e6.9	e6.5	e5.6	e5.0	---	e4.9	e60	9.4	12	20	12	12
31	e6.9	---	e5.6	e5.0	---	e4.9	---	14	---	17	15	---
TOTAL	232.6	205.5	188.2	160.3	141.0	154.1	385.9	623.2	515	581	359.2	444
MEAN	7.50	6.85	6.07	5.17	5.04	4.97	12.9	20.1	17.2	18.7	11.6	14.8
MAX	12	7.3	6.5	5.6	5.1	5.0	60	54	36	43	15	32
MIN	6.6	6.5	5.6	5.0	5.0	4.9	4.8	9.4	11	13	9.6	11
AC-FT	461	408	373	318	280	306	765	1240	1020	1150	712	881
CFSM	0.49	0.45	0.40	0.34	0.33	0.33	0.84	1.32	1.13	1.23	0.76	0.97
IN.	0.57	0.50	0.46	0.39	0.34	0.38	0.94	1.52	1.26	1.42	0.88	1.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)#

	MEAN	7.50	6.85	6.07	5.17	5.04	4.97	12.9	20.1	17.2	13.3	9.72	10.8
MAX	7.50	6.85	6.07	5.17	5.04	4.97	12.9	20.1	17.2	18.7	11.6	14.8	
(WY)	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005	2005
MIN	7.50	6.85	6.07	5.17	5.04	4.97	12.9	20.1	17.2	7.95	7.85	6.88	
(WY)	2005	2005	2005	2005	2005	2005	2005	2005	2005	2004	2004	2004	2004

SUMMARY STATISTICS

FOR 2005 WATER YEAR

WATER YEARS 2004 - 2005#

ANNUAL TOTAL	3990.0		
ANNUAL MEAN	10.9	10.9	
HIGHEST ANNUAL MEAN		10.9	2005
LOWEST ANNUAL MEAN		10.9	2005
HIGHEST DAILY MEAN	60	Apr 30	2005
LOWEST DAILY MEAN	a4.8	Apr 17	2005
ANNUAL SEVEN-DAY MINIMUM	4.8	Apr 15	2005
MAXIMUM PEAK FLOW	b	Apr 30	2004
MAXIMUM PEAK STAGE		Aug 1	2004
MAXIMUM PEAK STAGE	c25.84	Apr 25	2005
ANNUAL RUNOFF (AC-FT)	7910		
ANNUAL RUNOFF (CFSM)	0.718		
ANNUAL RUNOFF (INCHES)	9.75		
10 PERCENT EXCEEDS	20		
50 PERCENT EXCEEDS	7.1		
90 PERCENT EXCEEDS	5.0		

See Period of Record, partial year used in monthly statistics

a From Apr. 17-21

b Not determined, occurred during period of backwater from ice and snow, see highest daily mean

c Backwater from snow and ice

e Estimated

15515060 MARGUERITE CREEK ABOVE EMMA CREEK NEAR HEALY—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2004 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Medium code	Sample type	Stream width, feet (00004)	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Sam- pling method, code (82398)	Sampler type, code (84164)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)
JUN 21...	1702	9	9	22.4	24.45	20	10	3044	18.8	12.8	16	.86	68
JUL 21...	1420	9	9	21.7	24.34	17	10	3044	18.9	10.8	10	.46	58

15515080 EMMA CREEK CREEK NEAR HEALY

LOCATION.--Lat 64°00'42", long 148°43'31", in SE¹/₄ sec. 28, T. 10 S., R. 6 W., (Fairbanks A-4 quad), Hydrologic Unit 19040507, on right bank 70 ft upstream of mouth, 13.1 mi northeast of Healy.

DRAINAGE AREA.--5.80 mi².

PERIOD OF RECORD.--October 2004 to September 2005.

GAGE.--Water-stage recorder. Elevation of gage is 1,850 ft above sea level, from topographic map.

REMARKS.--Records poor.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18 ft³/s, April 30, gage height 10.60 ft from floodmark; minimum discharge 1.9 cfs, August 27-28, gage height, 10.04 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e4.0	e3.6	e3.3	e2.9	e2.3	e2.8	e2.8	e16	4.0	2.9	4.6	3.3
2	e4.5	e3.6	e3.3	e2.9	e2.3	e2.8	e2.8	e12	3.2	2.9	4.3	2.9
3	e5.0	e3.5	e3.2	e2.9	e2.3	e2.8	e2.8	e10	3.7	2.7	4.1	2.6
4	e6.0	e3.5	e3.2	e2.9	e2.3	e2.8	e2.8	e9.0	4.7	3.8	4.5	2.7
5	e5.5	e3.6	e3.2	e2.9	e2.3	e2.8	e2.8	e8.0	4.5	4.2	4.9	3.2
6	e5.0	e3.6	e3.2	e2.8	e2.3	e2.8	e2.8	e7.0	3.8	3.4	4.6	2.8
7	e4.6	e3.7	e3.2	e2.8	e2.3	e2.8	e2.8	e8.0	3.4	4.5	4.2	4.3
8	e4.4	e3.7	e3.2	e2.8	e2.3	e2.8	e2.8	e7.0	2.8	4.1	4.3	7.9
9	e5.2	e3.8	e3.2	e2.8	e2.4	e2.8	e2.8	e6.4	2.6	e8.0	4.2	5.8
10	e4.6	e3.8	e3.2	e2.8	e2.4	e2.8	e2.8	e6.0	2.3	e7.0	4.1	5.8
11	e4.4	e3.7	e3.1	e2.8	e2.5	e2.8	e2.8	e5.6	2.4	e6.0	4.0	5.7
12	e4.3	e3.7	e3.1	e2.8	e2.5	e2.8	e2.8	e5.3	2.7	e5.5	e3.9	5.9
13	e4.2	e3.6	e3.1	e2.8	e2.5	e2.8	e2.8	e5.1	3.6	e5.2	e3.9	5.4
14	e4.1	e3.6	e3.1	e2.7	e2.6	e2.8	e2.8	e4.9	3.2	e5.0	e3.8	5.1
15	e4.0	e3.6	e3.1	e2.7	e2.6	e2.8	e2.8	e6.0	3.0	e4.8	e3.8	4.8
16	e4.0	e3.5	e3.1	e2.7	e2.7	e2.8	e2.8	e6.5	3.5	e4.6	e3.7	4.7
17	e3.9	e3.5	e3.1	e2.6	e2.7	e2.8	e2.8	e7.0	5.3	e4.5	3.3	4.8
18	e3.9	e3.5	e3.1	e2.6	e2.8	e2.8	e2.8	e8.0	4.7	e6.5	3.4	4.7
19	e3.9	e3.5	e3.0	e2.6	e2.8	e2.8	e2.8	e6.0	4.0	e6.2	3.1	6.6
20	e3.9	e3.5	e3.0	e2.5	e2.8	e2.8	e2.8	e4.5	6.2	e5.7	2.9	6.7
21	e4.0	e3.5	e3.0	e2.5	e2.8	e2.8	e2.9	4.3	5.0	e5.1	3.1	6.1
22	e4.0	e3.4	e3.0	e2.5	e2.8	e2.8	e3.0	4.9	4.6	4.5	3.0	6.2
23	e4.0	e3.4	e3.0	e2.5	e2.8	e2.8	e4.0	5.7	4.7	4.3	2.5	6.0
24	e4.1	e3.4	e3.0	e2.5	e2.8	e2.8	e5.2	4.3	3.7	4.8	2.4	6.1
25	e4.2	e3.4	e3.0	e2.5	e2.8	e2.8	e7.4	3.7	4.0	4.5	2.2	5.1
26	e4.2	e3.4	e3.0	e2.5	e2.8	e2.8	e10	3.5	3.8	4.3	2.2	4.9
27	e4.1	e3.4	e3.0	e2.5	e2.8	e2.8	e13	3.3	3.2	4.3	2.1	4.7
28	e4.0	e3.3	e2.9	e2.4	e2.8	e2.8	e15	3.1	3.0	4.0	2.0	5.0
29	e3.9	e3.3	e2.9	e2.4	---	e2.8	e17	3.0	2.8	3.9	2.2	4.8
30	e3.8	e3.3	e2.9	e2.4	---	e2.8	e18	2.8	2.9	6.0	2.9	4.4
31	e3.7	---	e2.9	e2.4	---	e2.8	---	3.8	---	4.9	3.5	---
TOTAL	133.4	105.9	95.6	82.4	72.1	86.8	151.5	190.7	111.3	148.1	107.7	149.0
MEAN	4.30	3.53	3.08	2.66	2.58	2.80	5.05	6.15	3.71	4.78	3.47	4.97
MAX	6.0	3.8	3.3	2.9	2.8	2.8	18	16	6.2	8.0	4.9	7.9
MIN	3.7	3.3	2.9	2.4	2.3	2.8	2.8	2.8	2.3	2.7	2.0	2.6
AC-FT	265	210	190	163	143	172	301	378	221	294	214	296
CFSM	0.74	0.61	0.53	0.46	0.44	0.48	0.87	1.06	0.64	0.82	0.60	0.86
IN.	0.86	0.68	0.61	0.53	0.46	0.56	0.97	1.22	0.71	0.95	0.69	0.96

e Estimated

LOCATION.--Lat 64°33'55", long 149°05'30", in SE $\frac{1}{4}$ 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.

WATER-DISCHARGE RECORDS

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.

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.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17700	e9200	e7400	e6200	e6000	e6000	e7600	e46400	42600	65600	61400	42400
2	17500	e8400	e7400	e6200	e6000	e6000	e7700	e48000	43900	68100	58100	41000
3	17700	e8000	e7300	e6200	e6000	e6000	e7800	e48000	46800	69100	55900	38700
4	18000	e7600	e7300	e6100	e6000	e6000	e7800	e45600	49000	69900	55500	36300
5	18400	e7500	e7200	e6100	e6000	e6000	e7900	e45600	50500	70200	56000	35200
6	18500	e7600	e7200	e6100	e6000	e6000	e8000	e44000	53300	71100	55900	35800
7	18300	e8000	e7100	e6100	e6000	e6000	e8100	e36800	52600	72800	56200	38500
8	18000	e8400	e7100	e6100	e6000	e6000	e8200	e36800	50400	74300	56300	42600
9	17900	e8800	e7000	e6100	e6000	e6000	e8300	e36800	48800	75200	55600	44400
10	17600	e9200	e6900	e6100	e6000	e6000	e8400	e36000	48000	75600	55600	44100
11	17400	e9600	e6900	e6100	e6000	e6000	e8500	e36000	48100	75200	57400	44400
12	e17500	e9800	e6800	e6100	e6000	e6000	e8600	36400	50300	75500	60300	45200
13	e17500	e9800	e6800	e6000	e6000	e6000	e8800	35900	51500	76800	62500	44400
14	e17500	e9600	e6700	e6000	e6000	e6000	e8900	35700	55700	76400	64300	43700
15	e17500	e9400	e6600	e6000	e6000	e6000	e9000	37000	62600	74100	65700	42800
16	e17500	e9200	e6600	e6000	e6000	e6000	e9100	39400	67400	72800	66300	40500
17	e17000	e9000	e6600	e6000	e6000	e6000	e9200	40300	68900	73600	65500	38600
18	e17000	e8800	e6500	e6000	e6000	e6000	e9300	40600	69800	73700	64500	38700
19	e16500	e8600	e6500	e6000	e6000	e6000	e9600	39400	71300	75800	63600	39500
20	e16000	e8400	e6500	e6000	e6000	e6100	e9700	44900	73800	79100	60100	39800
21	e16000	e8200	e6500	e6000	e6000	e6100	e9800	43500	77400	78900	55500	38800
22	e15000	e8100	e6400	e6000	e6000	e6200	e10000	40000	79400	74900	54100	37300
23	e15000	e8000	e6400	e6000	e6000	e6200	e10200	39500	75500	70800	53900	36700
24	e15000	e7900	e6400	e6000	e6000	e6300	e10500	38300	72300	68500	52700	37000
25	e14500	e7800	e6400	e6000	e6000	e6300	e11000	37400	70300	66800	53300	39000
26	e14500	e7800	e6300	e6000	e6000	e6500	e12000	36600	68200	65800	55100	41400
27	e14500	e7700	e6300	e6000	e6000	e6700	e13000	36800	66700	65200	51600	42400
28	e14500	e7600	e6300	e6000	e6000	e7000	e17000	37000	65700	65200	47600	41200
29	e14000	e7600	e6300	e6000	---	e7200	e30000	38100	65500	64700	45700	39300
30	e13500	e7500	e6300	e6000	---	e7400	e44500	39400	64900	63200	44200	37500
31	e11500	---	e6300	e6000	---	e7500	---	40800	---	63100	43100	---
TOTAL	509000	253100	208300	187500	168000	193500	338500	1237000	1811200	2212000	1753500	1207200
MEAN	16420											

MEAN	17270	9451	7486	6786	6567	6502	8857	31380	47770	60420	56960	33680
MAX	26870	14460	10770	9065	8171	8161	15090	62210	87390	76770	98210	57690
(WY)	2001	2003	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

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# See Period of Record; partial years used in monthly statistics
# Estimated
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15515500 TANANA RIVER AT NENANA—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1962 - 2005 #	
ANNUAL TOTAL	9459700		10078800			
ANNUAL MEAN	25850		27610		24350	
HIGHEST ANNUAL MEAN					29310	1967
LOWEST ANNUAL MEAN					19530	1970
HIGHEST DAILY MEAN	70800	Jul 1	79400	Jun 22	183000	Aug 18 1967
LOWEST DAILY MEAN	a6300	Dec 26	b6000	Jan 13	c4000	Mar 6 1974
ANNUAL SEVEN-DAY MINIMUM	6310	Dec 25	6000	Jan 13	4000	Mar 6 1974
MAXIMUM PEAK FLOW			80200	Jul 20	186000	Aug 18 1967
MAXIMUM PEAK STAGE			11.08	Jul 20	d18.90	Aug 18 1967
ANNUAL RUNOFF (AC-FT)	18760000		19990000		17640000	
ANNUAL RUNOFF (CFSM)	1.01		1.08		0.951	
ANNUAL RUNOFF (INCHES)	13.75		14.65		12.92	
10 PERCENT EXCEEDS	61100		66500		58500	
50 PERCENT EXCEEDS	15000		14500		12000	
90 PERCENT EXCEEDS	6600		6000		6200	

See Period of Record; partial years used in monthly statistics

a From Dec. 26 to Dec. 31

b From Jan. 13 to Mar. 13

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 August 2005 (discontinued).

PERIOD OF RECORD.--

WATER TEMPERATURE: 1954 to 1956 (seasonal).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

		Loca- tion in X-sect. looking downstrm ft from l bank (00009)	Sample loc- ation, cross section ft from rt bank (72103)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temper- ature, water, deg C (00010)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)
MAR									
31...	1820	--	205.0	304	7.8	.0	747	10.0	70
31...	1822	--	345.0	303	7.8	.0	747	10.1	71
31...	1824	--	485.0	308	7.8	.0	747	10.1	71
31...	1826	--	655.0	300	7.7	.0	747	10.1	71
31...	1828	--	735.0	302	7.5	.0	747	10.1	71
MAY									
10...	1820	--	110.0	218	7.9	11.8	745	9.9	94
10...	1822	--	160.0	217	7.3	11.8	745	10.1	96
10...	1824	--	250.0	217	7.5	11.9	745	10.0	95
10...	1826	--	330.0	217	7.3	11.9	745	9.9	94
10...	1828	--	440.0	217	7.4	11.9	745	9.8	93
18...	1650	--	200.0	222	7.8	10.4	--	10.1	--
18...	1652	--	280.0	221	7.8	10.4	--	10.1	--
18...	1654	--	380.0	222	7.8	10.4	--	10.1	--
18...	1656	--	470.0	222	7.8	10.4	--	10.1	--
18...	1658	--	585.0	223	7.7	10.4	--	10.2	--
27...	1520	--	189.0	269	8.0	13.9	--	10.4	--
27...	1522	--	298.0	268	7.9	13.8	--	10.2	--
27...	1524	--	365.0	268	7.9	13.8	--	10.3	--
27...	1526	--	428.0	267	7.9	13.8	--	10.3	--
27...	1528	--	507.0	267	7.9	13.8	--	10.4	--
JUL									
12...	1450	--	279.0	252	8.0	15.8	758	9.3	94
12...	1452	--	379.0	252	7.9	15.8	758	9.3	94
12...	1454	--	489.0	251	7.9	15.7	758	9.3	94
12...	1456	--	652.0	255	7.9	15.6	758	9.2	93
12...	1458	--	768.0	256	7.9	15.5	758	9.3	94
AUG									
05...	1510	--	296.0	259	7.9	14.2	--	10.3	--
05...	1512	--	379.0	258	7.9	14.1	--	10.4	--
05...	1514	--	453.0	256	7.9	14.2	--	10.4	--
05...	1516	--	519.0	252	7.9	14.1	--	10.5	--
05...	1518	--	587.0	258	7.9	14.1	--	10.6	--
30...	1430	--	123.0	264	7.9	10.8	756	10.3	93
30...	1432	--	155.0	264	7.9	10.9	756	10.7	98
30...	1434	--	211.0	263	7.9	10.9	756	10.7	98
30...	1436	--	285.0	263	7.9	10.9	756	10.7	98
30...	1438	--	416.0	263	7.9	10.9	756	10.7	98

											Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	pH water, unfl- trd field, std units (00400)	Temper- ature, air, deg C (00020)
Date	Time	Medium code	Sample type	Stream width, feet (00004)	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Sam- pling method, code (82398)	Sam- pler type, code (84164)	Type of sample related QA data, code (99111)	Type of repli- cate, code (99105)			
MAR											303	7.8	25.0
MAY											217	7.4	18.0
10...	1800	9	9	654	5.96	36200	20	3056	110	--	222	7.8	--
18...	1630	9	9	900	7.27	40600	20	3055	110	--	268	7.9	--
27...	1500	9	9	632	6.83	34800	20	3055	110	--			
JUL											253	7.9	--
12...	1430	9	9	829	10.58	759000	20	3055	30	--			
AUG											257	7.9	--
05...	1450	9	7	703	8.41	54000	20	3055	30	10	264	7.9	--
30...	1410	9	9	611	6.92	43900	20	3055	110	--			

15515500 TANANA RIVER AT NENANA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Temperature, water deg C (00010)	Turbidity white light, det ang 90+/-30 cor- rectd NTRU (63676)	UV absor- bance, 254 nm, wat flt units/ cm (50624)	UV absor- bance, 280 nm, wat flt units/ cm (61726)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxy- gen, per- cent of satura- tion mg/L (00300)	Dis- solved oxy- gen, per- cent of satura- tion mg/L (00301)	Hard- ness, water mg/L as CaCO3 (00900)	Cal- cium water, fltrd, mg/L (00915)	Magne- sium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	Potas- sium, water, fltrd, mg/L (00935)	Bicar- bonate, wat flt incrm. titr., field, mg/L (00453)
MAR													
31...	.0	7	.0254	.0191	747	10.1	71	160	47.0	10.1	4.45	2.34	156
MAY													
10...	11.9	128	.2391	.1774	745	9.9	94	110	30.3	7.15	3.70	1.76	93
18...	10.4	211	.1377	.1032	--	10.1	--	110	29.8	7.86	3.57	1.77	73
27...	13.8	157	.0826	.0607	--	10.3	--	130	34.7	10.2	4.50	2.13	109
JUL													
12...	15.7	648	.0893	.0655	758	9.3	94	120	33.4	7.91	3.81	2.04	87
AUG													
05...	14.1	388	.0847	.0617	--	10.4	--	120	35.6	7.91	4.12	1.88	100
30...	10.9	344	.0480	.0345	--	10.7	--	130	38.7	8.88	4.81	2.4	105
Date	Carbon- ate, wat flt incrm. titr., field, mg/L (00452)	Alka- lin- ity, wat flt inc tit field, mg/L as CaCO3 (39086)	Sul- fate water, fltrd, mg/L (00945)	Chlo- ride, water, fltrd, mg/L (00940)	Fluo- ride, water, fltrd, mg/L (00950)	Sil- ica, water, fltrd, mg/L (00955)	Resi- due on evap. at 180degC wat flt mg/L (70300)	Resi- due water, fltrd, sum on con- stitu- ents mg/L (70301)	Nitrite water, fltrd, mg/L as N (00613)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Ammo- nia water, fltrd, mg/L as N (00608)	Ammo- nia + org-N, water, unfl- trd mg/ L as N (00625)	Ammo- nia + org-N water, fltrd, mg/L as N (00623)
MAR													
31...	.0	128	35.3	1.26	.14	16.1	184	195	.003	.164	.053	.1	.1
MAY													
10...	.0	76	30.8	1.82	.10	9.14	152	132	.003	.148	.010	.5	.2
18...	.0	60	38.0	1.48	E.10	8.36	159	128	E.001	.188	E.009	.4	.2
27...	.0	89	46.3	1.91	.10	9.57	170	165	E.001	.142	E.009	.3	.2
JUL													
12...	.0	72	47.0	1.23	.10	7.10	154	146	E.001	.112	E.006	.6	.2
AUG													
05...	.0	82	46.7	1.34	.11	8.11	164	156	E.001	.125	E.005	.4	.1
30...	.0	86	50.0	1.75	.12	8.77	172	167	E.001	.089	.012	.4	.6

E Estimated

15515500 TANANA RIVER AT NENANA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Phos- pho- rus, water, unfl- trd mg/ L (00665)	Phos- pho- rus, water, fltrd mg/L (00666)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Alumi- num, water, fltrd, ug/L (01106)	Anti- mony water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Bar- ium, water, fltrd, ug/L (01005)	Beryl- lium water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cad- mium water, fltrd, ug/L (01025)	Chro- mium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Cop- per, water, fltrd, ug/L (01040)
MAR													
31...	.028	<.004	E.003	E1.6	E.2	.5	50.0	<.06	18	E.03	<.08	.247	1.5
MAY													
10...	.60	.010	E.004	18.4	.2	1.1	33.7	<.06	28	E.03	<.8	.164	4.3
18...	.71	.005	<.006	16.2	.2	.9	32.8	<.06	18	<.04	<.8	.184	4.2
27...	.47	.49	.494	14.0	.3	1.0	32.6	<.06	29	<.04	<.8	.151	2.2
JUL													
12...	1.19	.005	<.006	14.1	.3	1.1	35.7	<.06	26	E.02	<.8	.104	2.2
AUG													
05...	.76	E.003	<.006	14.0	.3	1.0	31.0	<.06	22	<.04	<.8	.109	2.3
30...	.71	E.003	<.006	14.9	.3	1.0	35.8	<.06	27	.04	<.8	.129	1.6

Date	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lith- ium water, fltrd, ug/L (01130)	Manga- nese, water, fltrd, ug/L (01056)	Molyb- denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Sele- nium, water, fltrd, ug/L (01145)	Sil- ver, water, fltrd, ug/L (01075)	Stron- tium, water, fltrd, ug/L (01080)	Vana- dium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	Ura- nium natu- ral water, fltrd, ug/L (22703)	Organic car- bon, water, fltrd, mg/L (00681)
MAR													
31...	12	<.08	2.7	88.0	1.2	3.31	.5	<.20	222	1.02	1.2	.84	1.0
MAY													
10...	88	.09	3.4	16.2	.9	1.85	.5	<.20	148	.71	1.3	.73	6.9
18...	41	E.06	3.4	15.5	.9	2.50	.6	<.20	132	.58	4.0	.80	3.8
27...	20	<.08	5.1	10.5	1.1	2.69	.6	<.20	168	.52	E.5	.79	3.8
JUL													
12...	8	E.05	4.3	5.0	1.2	2.29	.8	<.20	151	.57	E.5	.81	4.4
AUG													
05...	14	<.08	3.9	7.1	1.2	1.54	.6	<.20	159	1.18	E.5	.78	2.9
30...	E3	<.08	5.3	22.2	1.3	1.40	.6	<.20	182	1.75	E.6	.93	2.0

Date	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Total carbon, suspnd sedimnt total, mg/L (00694)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)
MAR							
31...	<.12	.318	.337	<.022	20	405	68
MAY							
10...	.434	4.54	4.97	.291	787	76900	43
18...	.360	4.07	4.43	.257	930	102000	52
27...	.329	2.33	2.66	.164	646	60700	53
JUL							
12...	1.53	5.31	6.84	.360	2210	4530000	70
AUG							
05...	.547	2.11	2.66	.192	1600	233000	50
30...	.317	2.00	2.31	.137	1090	129000	66

E Estimated

15518040 NENANA RIVER AT HEALY

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

DRAINAGE AREA.--2,100 mi².

PERIOD OF RECORD.--April 1990 to September 1991 (year-round), May 2003 to current year (no winter record).

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

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

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

EXTREMES FOR CURRENT PERIOD.-- Maximum discharge 20,800 ft³/s, June 19, gage-height, 13.20 ft; minimum discharge not determined, occurred during the winter.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2200	---	---	---	---	---	---	e2700	13500	11400	6560	4770
2	1970	---	---	---	---	---	---	e2900	12900	11300	6040	4250
3	2250	---	---	---	---	---	---	e3100	12100	10900	5950	3970
4	2780	---	---	---	---	---	---	e3300	12200	10800	6050	4380
5	2720	---	---	---	---	---	---	3520	12900	11100	6400	4940
6	2520	---	---	---	---	---	---	3840	14100	10800	6620	6060
7	2380	---	---	---	---	---	---	4430	14000	10800	6510	7850
8	2290	---	---	---	---	---	---	5250	14300	10900	6350	8300
9	2220	---	---	---	---	---	---	5610	14300	10800	6490	7380
10	2160	---	---	---	---	---	---	6490	14300	10600	6910	8630
11	2110	---	---	---	---	---	---	7320	14600	10600	7540	8860
12	2080	---	---	---	---	---	---	7840	14500	10600	7860	8410
13	2060	---	---	---	---	---	---	8250	14800	9960	8070	8530
14	2130	---	---	---	---	---	---	9540	17100	9260	8020	7790
15	2170	---	---	---	---	---	---	10900	17800	9130	7760	7170
16	2070	---	---	---	---	---	---	10900	17800	9430	7450	6810
17	1910	---	---	---	---	---	---	10400	18900	9410	6820	6790
18	e1400	---	---	---	---	---	---	9770	19400	9710	6680	7030
19	e1300	---	---	---	---	---	---	9210	19900	9430	5840	7130
20	e1200	---	---	---	---	---	---	9390	19300	9180	5220	6680
21	e1100	---	---	---	---	---	---	10200	14700	8500	5280	6270
22	e1000	---	---	---	---	---	---	11300	12500	7800	5790	6040
23	e1000	---	---	---	---	---	---	11700	12200	7700	5540	6410
24	e950	---	---	---	---	---	---	11900	11300	7690	6200	8070
25	e950	---	---	---	---	---	---	11900	11200	7510	6470	8810
26	e900	---	---	---	---	---	---	11900	11000	7800	5810	8060
27	e900	---	---	---	---	---	---	12000	11200	7860	5260	7460
28	e850	---	---	---	---	---	---	13000	11300	7600	4880	7020
29	e850	---	---	---	---	---	---	13100	11200	7250	4800	6730
30	e800	---	---	---	---	---	---	13400	11300	7750	4940	6400
31	e800	---	---	---	---	---	---	13800	---	7790	4880	---
TOTAL	52020	---	---	---	---	---	---	268860	426600	291360	194990	207000
MEAN	1678	---	---	---	---	---	---	8673	14220	9399	6290	6900
MAX	2780	---	---	---	---	---	---	13800	19900	11400	8070	8860
MIN	800	---	---	---	---	---	---	2700	11000	7250	4800	3970
AC-FT	103200	---	---	---	---	---	---	533300	846200	577900	386800	410600
CFSM	0.80	---	---	---	---	---	---	4.13	6.77	4.48	3.00	3.29
IN.	0.92	---	---	---	---	---	---	4.76	7.56	5.16	3.45	3.67

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2005, BY WATER YEAR (WY)#

	MEAN	3263	1407	1123	965	925	826	828	6446	11340	10180	8304	6802
MAX	4197	1407	1123	965	925	826	828	8945	14370	13410	11230	13440	
(WY)	2004	1991	1991	1991	1991	1991	1991	1990	1990	2003	1990	1990	
MIN	1678	1407	1123	965	925	826	828	2811	8150	7045	6210	2549	
(WY)	2005	1991	1991	1991	1991	1991	1991	2003	2004	2004	2004	2004	

See Period of Record; partial years were used in monthly statistics and break in record
e Estimated

15564879 SLATE CREEK AT COLDFOOT

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

DRAINAGE AREA.--73.4 mi².

WATER-DISCHARGE RECORDS

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

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

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

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e19	e4.2	e0.00	e0.00	e0.00	e0.00	e0.00	e20	333	93	83	98
2	e20	e3.8	e0.00	e0.00	e0.00	e0.00	e0.00	e23	290	91	79	92
3	e22	e3.4	e0.00	e0.00	e0.00	e0.00	e0.00	e27	274	87	76	91
4	e21	e2.8	e0.00	e0.00	e0.00	e0.00	e0.00	e34	254	92	73	88
5	e20	e2.4	e0.00	e0.00	e0.00	e0.00	e0.00	e42	253	90	71	90
6	e18	e2.0	e0.00	e0.00	e0.00	e0.00	e0.00	e54	246	88	70	107
7	e16	e1.6	e0.00	e0.00	e0.00	e0.00	e0.00	e68	231	87	70	107
8	e15	e1.2	e0.00	e0.00	e0.00	e0.00	e0.00	e100	220	83	69	98
9	e14	e1.0	e0.00	e0.00	e0.00	e0.00	e0.00	e160	212	85	66	95
10	e13	e0.8	e0.00	e0.00	e0.00	e0.00	e0.00	e290	207	112	64	98
11	e13	e0.8	e0.00	e0.00	e0.00	e0.00	e0.00	487	206	263	63	98
12	e12	e0.6	e0.00	e0.00	e0.00	e0.00	e0.00	509	206	455	62	100
13	e12	e0.6	e0.00	e0.00	e0.00	e0.00	e0.00	546	211	371	61	121
14	e11	e0.6	e0.00	e0.00	e0.00	e0.00	e0.00	512	196	260	60	156
15	e11	e0.4	e0.00	e0.00	e0.00	e0.00	e0.00	803	195	205	59	161
16	e10	e0.4	e0.00	e0.00	e0.00	e0.00	e0.00	1440	188	171	58	149
17	e10	e0.4	e0.00	e0.00	e0.00	e0.00	e0.00	1020	175	160	56	139
18	e9.6	e0.2	e0.00	e0.00	e0.00	e0.00	e0.00	1040	160	156	55	132
19	e9.4	e0.2	e0.00	e0.00	e0.00	e0.00	e0.00	816	148	177	55	124
20	e9.0	e0.2	e0.00	e0.00	e0.00	e0.00	e0.00	639	137	161	55	119
21	e8.8	e0.00	e0.00	e0.00	e0.00	e0.00	e1.0	572	130	142	54	116
22	e8.6	e0.00	e0.00	e0.00	e0.00	e0.00	e2.0	503	123	130	53	118
23	e8.2	e0.00	e0.00	e0.00	e0.00	e0.00	e3.0	427	116	122	55	168
24	e7.8	e0.00	e0.00	e0.00	e0.00	e0.00	e4.0	404	111	113	78	207
25	e7.4	e0.00	e0.00	e0.00	e0.00	e0.00	e6.0	392	107	105	85	177
26	e7.0	e0.00	e0.00	e0.00	e0.00	e0.00	e8.0	367	102	99	92	185
27	e6.6	e0.00	e0.00	e0.00	e0.00	e0.00	e10	383	98	94	88	182
28	e6.0	e0.00	e0.00	e0.00	e0.00	e0.00	e13	389	95	90	83	163
29	e5.6	e0.00	e0.00	e0.00	---	e0.00	e15	350	93	87	79	147
30	e5.0	e0.00	e0.00	e0.00	---	e0.00	e18	343	91	83	76	136
31	e4.6	---	e0.00	e0.00	---	e0.00	---	376	---	81	89	---
TOTAL	360.6	27.60	0.00	0.00	0.00	0.00	80.00	13136	5408	4433	2137	3862
MEAN	11.6	0.92	0.00	0.00	0.00	0.00	2.67	424	180	143	68.9	129
MAX	22	4.2	0.00	0.00	0.00	0.00	18	1440	333	455	92	207
MIN	4.6	0.00	0.00	0.00	0.00	0.00	0.00	20	91	81	53	88
AC-FT	715	55	0.00	0.00	0.00	0.00	159	26060	10730	8790	4240	7660
CFSM	0.16	0.01	0.00	0.00	0.00	0.00	0.04	5.77	2.46	1.95	0.94	1.75
IN.	0.18	0.01	0.00	0.00	0.00	0.00	0.04	6.66	2.74	2.25	1.08	1.96

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2005, BY WATER YEAR (WY)#

	MEAN	51.9	15.3	6.73	2.84	1.70	1.32	2.52	219	207	104	172	143
MAX	107	31.1	17.3	12.1	9.07	7.13	9.32	424	319	184	435	234	
(WY)	2004	2004	1999	1999	1999	1999	1998	2005	2003	1995	1998	2003	
MIN	11.6	0.92	0.00	0.00	0.00	0.00	0.00	27.5	114	25.6	52.8	33.4	
(WY)	2005	2005	2005	2005	2001	2001	2001	2003	2004	2004	2002	2004	

See Period of Record; partial year was used in monthly statistics

e Estimated

15564879 SLATE CREEK AT COLDFOOT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1995 - 2005#	
ANNUAL TOTAL	13651.90		29444.20			
ANNUAL MEAN	37.3		80.7		73.0	
HIGHEST ANNUAL MEAN					93.4	2003
LOWEST ANNUAL MEAN					48.4	2004
HIGHEST DAILY MEAN	560	May 26	1440	May 16	a2850	May 26 1998
LOWEST DAILY MEAN	b0.00	Jan 9	c0.00	Nov 21	0.00	Jan 13 2001
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 9	0.00	Nov 21	0.00	Jan 13 2001
MAXIMUM PEAK FLOW			1720	May 16	d4930	May 26 1998
MAXIMUM PEAK STAGE			17.64	May 16	19.73	May 26 1998
ANNUAL RUNOFF (AC-FT)	27080		58400		52860	
ANNUAL RUNOFF (CFSM)	0.508		1.10		0.994	
ANNUAL RUNOFF (INCHES)	6.92		14.92		13.51	
10 PERCENT EXCEEDS	85		209		191	
50 PERCENT EXCEEDS	4.4		7.4		17	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

- # See Period of Record; partial year was used in monthly statistics
a Revised in 1999 from 2740 ft³/s
b From Jan. 9 to Apr. 26
c From Nov. 21 to Apr. 20
d From rating curve extended above 2,190 ft³/s on basis of slope-area measurement at discharge 4,700 ft³/s, gage height 19.6 ft, at previous site 60 ft downstream.

15564879 SLATE CREEK AT COLDFOOT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1998 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: May 1998 to current year (seasonal).

INSTRUMENTATION.--Water-temperature recorder since May 11, 1998. Electronic water temperature recorder set for 1-hour recording interval.

REMARKS.--Record missing October 1 to May 10 due to probe frozen in ice or malfunctioning probe. Records represent water temperature at sensor within 0.5°C. Temperature at the sensor was compared with the stream average by cross section on May 26, June 5, July 19 and September 12. Variation within the cross sections was less than 0.2°C. The variation found between mean stream temperature and sensor temperature was less than 0.2°C.

EXTREMES FOR PERIOD OF RECORD.--

WATER TEMPERATURE: Maximum, 15.5°C, August 20, 2004; minimum, 0.0°C, on many days during winter and spring breakup periods.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 14.0°C, June 28-29, and August 13; minimum, 0.0°C, on several days during winter and spring breakup.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Stream width, feet (00004)	Loca- tion in X-sect. looking downstrm ft from l bank (00009)	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Sam- pling method, code (82398)	Temper- ature, water, deg C (00010)	Temper- ature, air, deg C (00020)
MAY								
26...	1009	64.0	5.0	15.24	381	10	2.9	18.2
26...	1010	64.0	15.0	15.24	381	10	3.0	18.2
26...	1011	64.0	25.0	15.24	381	10	2.9	18.2
26...	1012	64.0	35.0	15.24	381	10	2.9	18.2
26...	1013	64.0	45.0	15.24	381	10	3.0	18.2
26...	1014	64.0	55.0	15.24	381	10	2.9	18.2
JUN								
5...	1006	55.5	9.2	14.93	255	10	3.8	11.5
5...	1007	55.5	18.5	14.93	255	10	3.8	11.5
5...	1008	55.5	27.8	14.93	255	10	3.8	11.5
5...	1009	55.5	37.0	14.93	255	10	4.0	11.5
5...	1010	55.5	46.2	14.93	255	10	3.9	11.5
JUL								
19...	0923	55.5	51.0	14.75	188	10	8.4	13.6
19...	0924	55.5	41.0	14.75	188	10	8.4	13.6
19...	0925	55.5	31.0	14.75	188	10	8.4	13.6
19...	0927	55.5	21.0	14.75	188	10	8.4	13.6
19...	0928	55.5	11.0	14.75	188	10	8.4	13.6
19...	0930	55.5	1.0	14.75	188	10	8.4	13.6
SEP								
12...	1945	53.5	50.5	14.46	101	10	6.5	7.3
12...	1950	53.5	40.5	14.46	101	10	6.5	7.3
12...	1955	53.5	30.5	14.46	101	10	6.6	7.3
12...	2000	53.5	20.5	14.46	101	10	6.6	7.3
12...	2005	53.5	10.5	14.46	101	10	6.4	7.3

15564879 SLATE CREEK AT COLDFOOT—Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

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	---	---	---	---	---	---	---	---	---	1.0	0.0	---
12	---	---	---	---	---	---	---	---	---	1.5	0.0	0.5
13	---	---	---	---	---	---	---	---	---	1.5	0.0	0.5
14	---	---	---	---	---	---	---	---	---	1.5	0.0	0.5
15	---	---	---	---	---	---	---	---	---	1.0	0.0	0.5
16	---	---	---	---	---	---	---	---	---	1.5	0.0	0.5
17	---	---	---	---	---	---	---	---	---	2.0	0.0	0.5
18	---	---	---	---	---	---	---	---	---	1.5	0.5	1.0
19	---	---	---	---	---	---	---	---	---	4.0	0.0	2.0
20	---	---	---	---	---	---	---	---	---	4.5	0.5	2.5
21	---	---	---	---	---	---	---	---	---	5.0	1.0	3.0
22	---	---	---	---	---	---	---	---	---	5.0	1.5	3.0
23	---	---	---	---	---	---	---	---	---	6.0	0.5	3.5
24	---	---	---	---	---	---	---	---	---	7.5	1.0	4.0
25	---	---	---	---	---	---	---	---	---	8.0	1.0	4.5
26	---	---	---	---	---	---	---	---	---	6.0	1.5	4.0
27	---	---	---	---	---	---	---	---	---	8.0	3.0	5.0
28	---	---	---	---	---	---	---	---	---	7.5	2.0	5.0
29	---	---	---	---	---	---	---	---	---	8.0	3.5	5.5
30	---	---	---	---	---	---	---	---	---	8.0	3.0	5.0
31	---	---	---	---	---	---	---	---	---	8.0	2.5	5.0
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	7.5	3.5	5.0	11.5	8.5	10.5	11.5	8.0	9.5	6.5	4.5	5.5
2	5.0	3.0	4.0	12.0	8.5	10.0	12.5	7.5	10.0	6.5	4.0	5.0
3	8.5	2.5	5.0	12.5	8.5	10.5	12.5	7.0	9.5	6.5	5.0	5.5
4	7.5	3.0	5.5	11.0	9.0	9.5	12.5	7.0	10.0	7.0	5.0	6.0
5	8.5	3.5	5.5	12.5	7.5	10.0	10.5	7.0	9.0	7.0	5.0	6.0
6	8.5	3.5	6.0	11.0	8.0	9.5	9.5	8.5	9.0	7.5	5.0	6.0
7	9.5	3.5	6.5	13.5	7.0	10.0	9.0	8.0	8.5	8.0	4.5	6.5
8	8.0	3.5	6.0	11.0	8.0	9.0	10.5	8.0	9.0	7.5	5.5	6.5
9	9.5	4.5	7.0	9.5	8.5	9.0	13.5	8.5	10.5	5.5	3.0	4.5
10	12.5	5.5	8.5	9.0	8.0	8.5	13.0	8.0	10.5	7.0	5.0	6.0
11	11.0	5.5	8.5	8.5	6.5	7.5	12.0	8.5	10.5	8.0	6.0	6.5
12	12.5	6.0	8.5	7.0	5.5	6.0	13.5	8.5	10.5	7.0	6.0	6.5
13	12.5	6.0	9.0	10.5	5.5	7.5	14.0	8.5	11.0	6.5	5.0	5.5
14	13.0	7.0	9.5	11.0	6.0	8.5	13.5	9.5	11.5	7.0	5.0	6.0
15	12.5	6.0	9.0	13.0	6.0	9.5	13.5	9.0	11.0	7.0	5.0	6.0
16	11.5	6.5	9.0	12.5	7.5	10.0	13.5	8.5	11.0	7.5	5.0	6.0
17	13.0	6.5	9.5	11.0	8.0	9.5	13.0	8.5	11.0	7.5	5.5	6.0
18	11.5	6.0	8.5	11.5	8.0	10.0	11.0	7.5	9.0	6.5	4.5	5.5
19	10.5	6.0	8.0	13.0	8.0	10.0	10.0	6.0	8.5	6.5	4.5	5.5
20	12.5	6.0	9.0	12.5	8.0	10.0	10.0	6.0	8.0	5.5	5.0	5.5
21	12.0	6.5	9.5	13.5	6.5	9.5	10.0	8.5	9.0	5.5	4.0	5.0
22	12.5	6.5	9.0	13.0	7.0	10.0	10.5	8.5	9.0	5.0	4.0	4.5
23	10.0	6.5	8.5	13.5	7.5	10.5	9.5	8.0	8.5	5.0	3.5	4.5
24	10.5	6.0	8.5	13.5	8.5	10.5	10.0	8.0	9.0	4.5	2.5	3.5
25	11.0	6.0	8.5	13.5	7.5	10.5	9.5	8.0	8.5	5.0	3.5	4.0
26	12.0	6.5	9.5	13.0	7.5	10.5	8.5	6.5	7.5	4.5	3.0	4.0
27	13.5	7.5	10.5	13.0	7.5	10.0	9.5	5.5	7.0	3.0	1.5	2.0
28	14.0	8.0	11.0	13.5	8.0	10.5	9.0	6.5	7.5	3.0	0.5	1.5
29	14.0	9.0	11.5	13.0	8.0	10.5	9.5	6.5	8.0	2.0	1.0	1.5
30	13.0	9.0	11.0	12.0	7.5	10.0	9.5	6.5	8.0	2.0	1.0	1.5
31	---	---	---	12.0	8.0	10.0	8.0	5.0	6.0	---	---	---
MONTH	14.0	2.5	8.2	13.5	5.5	9.6	14.0	5.0	9.2	8.0	0.5	5.0

15565400 ANVIK RIVER NEAR ANVIK

LOCATION.--Lat 62°47'22", long 160°41'49", in NW¹/₄ NW¹/₄ SE¹/₄ sec. 10, T.31 N., R.61 W. (Holy Cross D-4 quad), Hydrologic Unit 19040801, on the right bank, approximately 25 river mi upstream from mouth, 18 mi northwest of Anvik.

DRAINAGE AREA.-- 1420 mi².

WATER-DISCHARGE RECORDS

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

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

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	853	e1800	e630	e430	e360	e340	e320	e2400	5770	1880	657	1660
2	812	e1600	e620	e430	e360	e340	e320	e4000	7190	1770	638	1450
3	780	e1400	e610	e430	e360	e340	e320	e4200	7950	1650	623	1390
4	818	e1300	e600	e420	e360	e340	e320	e6000	6280	1560	618	1550
5	857	e1200	e590	e420	e360	e330	e320	e6300	5420	1480	617	1560
6	891	e1100	e570	e420	e350	e330	e320	e10000	4940	1410	621	1530
7	853	e1050	e560	e420	e350	e330	e320	e18000	4660	1330	617	1670
8	815	e1000	e560	e410	e350	e330	e320	e19500	4530	1280	638	1590
9	802	e970	e550	e410	e350	e330	e320	e17000	4400	1230	653	1530
10	830	e940	e550	e410	e350	e330	e320	e16500	4170	1200	619	2300
11	955	e910	e540	e410	e350	e330	e320	e17000	4130	1170	589	2950
12	1020	e880	e540	e400	e350	e330	e320	e18500	4210	1130	578	3350
13	1000	e860	e530	e400	e350	e330	e320	18500	4030	1090	573	4160
14	972	e840	e530	e400	e350	e330	e320	17200	3740	1040	554	4930
15	944	e820	e520	e400	e350	e330	e320	15800	3590	998	540	5490
16	1170	e800	e520	e390	e350	e330	e320	15000	3450	972	533	7650
17	1350	e780	e510	e390	e340	e330	e320	12800	3260	966	522	8430
18	1310	e760	e510	e390	e340	e330	e320	11000	3360	992	525	6790
19	2090	e740	e500	e390	e340	e330	e320	9700	4000	1050	526	5490
20	3330	e730	e490	e390	e340	e330	e320	8550	3580	983	522	4660
21	3560	e720	e490	e380	e340	e330	e320	8280	3150	931	564	4170
22	3160	e710	e480	e380	e340	e330	e320	7830	2900	883	632	4820
23	3110	e700	e480	e380	e340	e330	e330	7100	2830	837	819	8100
24	3890	e690	e460	e380	e340	e330	e340	6590	2790	804	1260	10000
25	3800	e680	e450	e380	e340	e330	e350	6320	2730	783	1680	8880
26	3180	e670	e440	e370	e340	e330	e370	6700	2600	781	1660	8320
27	3040	e660	e440	e370	e340	e330	e400	6820	2380	757	1370	7350
28	3010	e650	e430	e370	e340	e330	e700	6640	2200	723	1370	6260
29	2830	e640	e430	e370	---	e330	e1000	6470	2070	700	1700	5480
30	2560	e640	e430	e360	---	e325	e1600	6310	1960	685	2070	4980
31	2120	---	e430	e360	---	e320	---	6090	---	670	1970	---
TOTAL	56712	27240	15990	12260	9730	10255	12130	323100	118270	33735	26858	138490
MEAN	1829	908	516	395	348	331	404	10420	3942	1088	866	4616
MAX	3890	1800	630	430	360	340	1600	19500	7950	1880	2070	10000
MIN	780	640	430	360	340	320	320	2400	1960	670	522	1390
MED	1170	810	520	390	350	330	320	8280	3670	998	621	4740
AC-FT	112500	54030	31720	24320	19300	20340	24060	640900	234600	66910	53270	274700
CFSM	1.29	0.64	0.36	0.28	0.24	0.23	0.28	7.34	2.78	0.77	0.61	3.25
IN.	1.49	0.71	0.42	0.32	0.25	0.27	0.32	8.46	3.10	0.88	0.70	3.63

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2005, BY WATER YEAR (WY)#

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
MEAN	2108	1084	441	294	246	226	777	6975	3802	1799	1758	2592
MAX	2762	1728	571	395	348	331	1610	10420	4998	3051	3320	4616
(WY)	2004	2004	2003	2005	2005	2005	2004	2005	2003	2001	2003	2005
MIN	1302	520	304	233	198	176	162	4266	2881	984	656	922
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2004

See Period of Record: partial year was used in monthly statistics
e Estimated

15565400 ANVIK RIVER NEAR ANVIK—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2001 - 2005#	
ANNUAL TOTAL	601223		784770			
ANNUAL MEAN	1643		2150		1795	
HIGHEST ANNUAL MEAN					2150	2005
LOWEST ANNUAL MEAN					1130	2002
HIGHEST DAILY MEAN	10000	May 1	e19500	May 8	e19500	May 8 2005
LOWEST DAILY MEAN	a180	Mar 16	b320	Mar 31	c160	Apr 1 2002
ANNUAL SEVEN-DAY MINIMUM	180	Mar 16	320	Mar 31	160	Apr 1 2002
MAXIMUM PEAK FLOW			d	May 8	20700	May 25 2002
MAXIMUM PEAK STAGE			f27.70	May 8	f27.70	May 8 2005
INSTANTANEOUS LOW FLOW			320	Mar 31	160	Apr 1 2002
ANNUAL RUNOFF (AC-FT)	1193000		1557000		1301000	
ANNUAL RUNOFF (CFSM)	1.16		1.51		1.26	
ANNUAL RUNOFF (INCHES)	15.75		20.56		17.18	
10 PERCENT EXCEEDS	5020		6290		4820	
50 PERCENT EXCEEDS	846		710		800	
90 PERCENT EXCEEDS	190		330		210	

See Period of Record: partial year was used in monthly statistics

a From Mar. 16 to Apr. 8

b From Mar. 31 to Apr. 22

c From Apr. 1 to Apr. 26, 2002

d Not determined, occurred during period of backwater from ice and snow, see highest daily mean

e Estimated

f Backwater from ice

WATER-QUALITY RECORDS

WATER TEMPERATURE: Maximum recorded, 18.5°C, July 25; minimum, 0.0°C, many days during fall, winter and spring breakup period.

Date	Time	Stream width, feet (00004)	Sample loc- ation, cross section ft from rt bank (72103)	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Sam- pling method, code (82398)	Temper- ature, water, deg C (00010)	Temper- ature, air, deg C (00020)
JUL								
10...	1555	195	10.0	20.07	1220	10	14.0	17.0
10...	1556	195	80.0	20.07	1220	10	14.0	17.0
10...	1557	195	120.0	20.07	1220	10	14.0	17.0
10...	1558	195	150.0	20.07	1220	10	14.0	17.0
10...	1559	195	180.0	20.07	1220	10	14.0	17.0
SEP								
14...	1351	202	10.0	22.47	5030	10	7.5	6.0
14...	1352	202	70.0	22.47	5030	10	7.5	6.0
14...	1353	202	110.0	22.47	5030	10	7.5	6.0
14...	1354	202	150.0	22.47	5030	10	7.5	6.0
14...	1355	202	180.0	22.47	5030	10	7.5	6.0

[illegible]

15565400 ANVIK RIVER NEAR ANVIK—Continued

TEMPERATURE, WATER (DEGREES CELSIUS), WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.5
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.5
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.5	1.5
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	1.5	2.5
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	2.5	3.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
29	---	---	---	0.0	0.0	0.0	0.5	0.0	0.0	---	---	---
30	---	---	---	0.0	0.0	0.0	0.5	0.0	0.0	---	---	---
31	---	---	---	0.0	0.0	0.0	---	---	---	---	---	---
MONTH	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	---	---	---

[illegible]

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 Andreafsky River.

DRAINAGE AREA.--321,000 mi² approximately.

WATER-DISCHARGE RECORDS

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

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

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

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e173000	e136000	e80000	e53000	e44500	e42000	e41000	e250000	716000	e538000	389000	308000
2	e170000	e134000	e78000	e53000	e44000	e42000	e41000	e290000	710000	e522000	386000	303000
3	e166000	e132000	e76000	e52000	e44000	e42000	e41000	e325000	706000	e510000	382000	302000
4	e163000	e130000	e74000	e52000	e43500	e42000	e41000	e400000	701000	e496000	377000	300000
5	e160000	e128000	e72000	e51000	e43500	e42000	e41000	e450000	699000	e485000	371000	298000
6	e158000	e125000	e70000	e51000	e43500	e42000	e41000	e530000	701000	e472000	364000	297000
7	156000	e122000	e68000	e50500	e43500	e41500	e41000	e620000	696000	e459000	357000	296000
8	152000	e120000	e67000	e50500	e43500	e41500	e41000	e750000	691000	e447000	351000	294000
9	152000	e118000	e66000	e50000	e43000	e41500	e41000	e820000	693000	e435000	344000	293000
10	e151000	e116000	e65000	e50000	e43000	e41500	e41000	e930000	701000	e425000	338000	294000
11	e151000	e114000	e64000	e49500	e43000	e41500	e41000	e1150000	707000	e416000	333000	296000
12	e150000	e112000	e63000	e49500	e43000	e41500	e41000	e1160000	709000	408000	329000	296000
13	e148000	e110000	e62000	e49000	e43000	e41500	e41000	e1160000	704000	402000	326000	305000
14	e147000	e108000	e61000	e49000	e43000	e41500	e41000	e1170000	698000	397000	323000	309000
15	e147000	e106000	e60000	e48500	e43000	e41500	e41000	e1170000	689000	394000	320000	311000
16	151000	e104000	e59000	e48500	e43000	e41500	e41000	1180000	680000	394000	317000	319000
17	151000	e102000	e59000	e48000	e42500	e41500	e41000	1180000	669000	397000	316000	330000
18	150000	e100000	e58000	e48000	e42500	e41500	e41000	1080000	653000	400000	315000	338000
19	e150000	e100000	e58000	e47500	e42500	e41500	e41000	932000	646000	401000	314000	346000
20	e149000	e99000	e57000	e47500	e42500	e41500	e41000	831000	635000	402000	311000	349000
21	e148000	e98000	e57000	e47000	e42500	e41500	e42000	771000	626000	401000	311000	349000
22	e147000	e97000	e56000	e47000	e42500	e41500	e48000	741000	618000	400000	310000	351000
23	e146000	e96000	e56000	e46500	e42500	e41500	e56000	724000	610000	399000	312000	356000
24	e145000	e95000	e56000	e46500	e42500	e41500	e61000	706000	602000	398000	314000	364000
25	e144000	e93000	e55000	e46000	e42500	e41000	e67000	694000	597000	397000	314000	367000
26	e143000	e91000	e55000	e46000	e42000	e41000	e75000	703000	e590000	397000	314000	370000
27	e142000	e89000	e55000	e45500	e42000	e41000	e100000	714000	e580000	396000	313000	375000
28	e141000	e87000	e54000	e45500	e42000	e41000	e130000	717000	e570000	395000	311000	379000
29	e140000	e85000	e54000	e45000	---	e41000	e165000	723000	e560000	394000	313000	382000
30	e139000	e83000	e54000	e45000	---	e41000	e205000	723000	e550000	392000	314000	386000
31	e138000	---	e53000	e44500	---	e41000	---	721000	---	390000	312000	---
TOTAL	4668000	3230000	1922000	1502500	1202500	1286000	1769000	24315000	19707000	13159000	10301000	9863000
MEAN	150600	107700	62000	48470	42950	41480	58970	784400	656900	424500	332300	328800
MAX	173000	136000	80000	53000	44500	42000	205000	1180000	716000	538000	389000	386000
MIN	138000	83000	53000	44500	42000	41000	41000	250000	550000	390000	310000	293000
AC-FT	9259000	6407000	3812000	2980000	2385000	2551000	3509000	48230000	39090000	26100000	20430000	19560000
CFSM	0.47	0.34	0.19	0.15	0.13	0.13	0.18	2.44	2.05	1.32	1.04	1.02
IN.	0.54	0.37	0.22	0.17	0.14	0.15	0.21	2.82	2.28	1.52	1.19	1.14
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2005, BY WATER YEAR (WY)#												
MEAN	248800	128700	75520	61000	52740	47890	46810	299600	582500	444400	388800	356200
MAX	335900	211800	94840	76000	65360	56770	58970	784400	844600	563500	515800	481300
(WY)	1991	2003	1986	1986	1994	1980	2005	2005	1985	1992	1981	1994
MIN	150600	72500	50000	48470	38380	35160	38430	100200	364400	314000	312500	226700
(WY)	2005	1989	1988	2005	1984	1984	1976	1985	1978	1996	2004	2004

See Period of Record; partial year was used in monthly statistics and break in record
e Estimated

15565447 YUKON RIVER AT PILOT STATION—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1976 - 2005#	
ANNUAL TOTAL	74686000		92925000			
ANNUAL MEAN	204100		254600		227500	
HIGHEST ANNUAL MEAN					254600 2005	
LOWEST ANNUAL MEAN					185300 1978	
HIGHEST DAILY MEAN	a645000	Jun 12	b1180000	May 16	b1180000	May 16 2005
LOWEST DAILY MEAN	c46500	Mar 23	d41000	Mar 25	f35000	Feb 23 1984
ANNUAL SEVEN-DAY MINIMUM	46500	Mar 23	41000	Mar 25	35000	Feb 23 1984
MAXIMUM PEAK FLOW			1240000	May 16	1240000	May 16 2005
MAXIMUM PEAK STAGE			27.83	May 16		
MAXIMUM PEAK STAGE			g29.48	May 13	g36.25	May 25 1989
ANNUAL RUNOFF (AC-FT)	148100000		184300000		164800000	
ANNUAL RUNOFF (CFSM)	0.636		0.793		0.709	
ANNUAL RUNOFF (INCHES)	8.66		10.77		9.63	
10 PERCENT EXCEEDS	517000		693000		502000	
50 PERCENT EXCEEDS	133000		141000		130000	
90 PERCENT EXCEEDS	47500		41500		47000	

See Period of Record; partial year was used in monthly statistics and break in record

a June 12-13

b May 16-17

c Mar. 23 - Apr. 17

d Mar. 25 - Apr. 20

f Feb. 23 - Mar. 27, 1984

g 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 September 2005 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: 1976 and 1978 (seasonal).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Loca- tion in X-sect. looking dwnstrm ft from l bank (00009)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temper- ature, water, deg C (00010)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)
MAR								
17...	1750	1850	313	7.0	.0	767	2.6	18
17...	1800	1650	302	7.0	.0	767	2.5	17
17...	1810	1400	322	7.0	.0	767	2.8	19
17...	1820	1150	322	7.0	.0	767	2.5	17
17...	1830	700	315	7.2	.0	767	2.8	19
MAY								
17...	1005	2150	156	7.9	5.5	748	10.0	79
17...	1028	1850	152	7.9	5.5	748	10.1	79
17...	1040	1580	150	7.9	5.5	748	10.1	80
17...	1050	1250	149	7.9	5.5	748	10.1	80
17...	1055	800	149	8.0	5.5	748	10.1	80
JUN								
01...	1118	2480	164	7.8	12.5	762	9.2	86
01...	1139	2180	165	7.8	12.5	762	9.2	86
01...	1202	1900	165	7.8	12.5	762	9.2	86
01...	1219	1580	165	7.8	12.5	762	9.2	87
01...	1231	1130	165	7.8	12.5	762	9.2	86
14...	1500	2500	190	7.9	15.5	762	7.9	79
14...	1514	2200	189	7.9	15.5	762	8.0	81
14...	1531	1920	189	7.9	15.5	762	8.1	81
14...	1544	1600	189	7.9	15.5	762	8.1	81
14...	1605	1150	189	7.9	15.5	762	8.2	82
JUL								
12...	0900	650	213	8.2	17.0	756	9.2	95
12...	0915	1200	221	8.2	17.5	756	8.9	93
12...	0927	1600	222	8.1	17.5	756	8.9	93
12...	0945	1850	222	8.0	17.5	756	9.1	95
12...	1030	2150	222	8.0	17.5	756	9.4	98
AUG								
16...	1800	1850	251	7.8	17.0	762	8.5	88
16...	1813	1550	257	8.1	17.0	762	8.6	88
16...	1821	1300	255	7.9	17.0	762	8.6	89
16...	1835	925	255	8.0	17.0	762	8.5	88
16...	1851	400	255	8.0	17.0	762	8.4	87
SEP								
27...	1410	620	228	7.9	9.0	742	10.9	94
27...	1425	1100	225	8.0	9.0	742	10.8	93
27...	1440	1480	225	8.0	9.0	742	10.8	94
27...	1510	1800	225	8.0	9.0	742	10.9	94
27...	1530	2000	215	7.9	9.0	742	10.9	94

Date	Time	Medium code	Sample type	Stream width, feet (00004)	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Sam- pling method, code (82398)	Sampler type, code (84164)	Type of sample related QA data, code (99111)	Type of repli- cate, code (99105)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temper- ature, air, deg C (00020)
MAR													
17...	1930	9	9	2000	--	41600	20	8010	10	--	315	7.0	-.5
MAY													
17...	1030	9	9	2600	27.76	1150000	20	3055	--	--	150	7.9	4.5
JUN													
01...	1200	9	7	2930	26.28	761000	20	3055	30	10.00	165	7.8	12.5
14...	1530	9	9	2950	26.10	680000	20	3055	--	--	189	7.9	19.5
JUL													
12...	0930	9	9	2600	18.98	416000	20	3055	--	--	222	8.1	--
AUG													
16...	1820	9	9	2300	15.59	316000	20	3055	--	--	255	7.9	19.5
SEP													
27...	1450	9	9	2530	17.84	377000	20	3055	--	--	225	7.9	9.0

15565447 YUKON RIVER AT PILOT STATION—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Temperature, water, deg C (00010)	UV absorb- ance, 254 nm, wat flt units /cm (50624)	UV absorb- ance, 280 nm, wat flt units /cm (61726)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	Potas- sium, water, fltrd, mg/L (00935)	Bicar- bonate, wat flt incrm. titr., field, mg/L (00453)	Carbon- ate, wat flt incrm. titr., field, mg/L (00452)
MAR 17...	.0	.063	.045	767	2.5	17	170	47.9	11.7	3.93	1.39	156	.0
MAY 17...	5.5	.524	.393	748	10.1	82	73	22.4	4.20	1.72	1.16	76	.0
JUN 01...	12.5	.371	.277	762	9.2	86	80	24.2	4.63	1.66	1.16	79	.0
JUN 14...	15.5	.255	.189	762	8.0	80	94	27.6	5.95	1.80	1.11	72	.0
JUL 12...	17.5	.194	.143	756	9.1	96	110	30.8	7.39	2.76	1.58	122	.0
AUG 16...	17.0	.197	.160	762	8.5	88	120	35.2	8.61	3.24	1.53	145	.0
SEP 27...	9.0	.248	.184	742	10.9	97	110	30.8	7.86	2.75	1.07	124	.0
Date	Alka- linity, wat flt inc tit field, mg/L as CaCO3 (39086)	Sulfate water, fltrd, mg/L (00945)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue water, fltrd, sum of consti- tuents mg/L (70301)	Nitrite water, fltrd, mg/L as N (00613)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Phos- phorus, water, unfltrd mg/L (00665)
MAR 17...	128	26.8	1.15	.1	13.2	189	184	.002	.195	.080	.22	.20	.022
MAY 17...	62	12.8	.73	E.1	4.76	112	86	.004	.121	.049	.98	.51	.70
JUN 01...	64	18.0	.52	E.1	4.97	120	95	.002	.079	E.008	.68	.31	.30
JUN 14...	59	25.7	.51	E.1	5.86	114	105	E.001	.084	E.005	.51	.22	.30
JUL 12...	100	32.3	.83	.1	6.88	144	144	E.001	.094	E.006	.64	.19	.39
AUG 16...	119	39.4	.78	.1	7.27	165	168	.002	.105	E.007	.35	E.10	.32
SEP 27...	101	36.6	1.26	E.1	7.55	160	150	E.001	.113	E.006	.40	.22	.173
Date	Phos- phorus, water, fltrd, mg/L (00666)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Alum- inum, water, fltrd, ug/L (01106)	Anti- mony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryll- ium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chrom- ium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)
MAR 17...	E.003	E.003	E1	<.20	.4	81	<.06	14	E.04	<.8	.239	1.4	94
MAY 17...	.018	.006	29	.22	1.1	39	<.06	9	<.04	<.8	.294	6.0	332
JUN 01...	.010	<.006	21	.25	1.0	45	<.06	E4	<.04	<.8	.176	5.3	193
JUN 14...	.007	<.006	14	.25	.9	43	<.06	E5	E.02	<.8	.118	2.9	150
JUL 12...	.009	E.004	12	.29	1.1	48	<.06	12	.06	<.8	.092	2.6	207
AUG 16...	.006	E.003	13	.27	.9	50	<.06	12	<.04	<.8	.104	2.4	50
SEP 27...	.013	E.005	17	.22	.92	46	<.06	12	E.03	.21	.08	3.1	178

E Estimated

15565447 YUKON RIVER AT PILOT STATION—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Mangan- ese, water, fltrd, ug/L (01056)	Molyb- denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selen- ium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Stront- ium, water, fltrd, ug/L (01080)	Vanad- ium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)	Organic carbon, water, fltrd, mg/L (00681)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)
MAR 17...	.20	2.9	139	.8	1.92	E.3	<.2	208	1.4	3.8	.95	2.1	<.1
MAY 17...	.23	1.9	72.4	.6	2.57	<.4	<.2	80.2	1.1	1.2	.56	14.4	2.4
JUN 01...	.63	1.7	29.3	.6	2.76	E.3	<.2	95.0	.8	1.7	.47	10.2	.6
JUN 14...	.17	2.4	16.8	.7	2.38	E.3	<.2	105	.8	2.4	.47	7.0	.4
JUL 12...	.20	2.7	2.7	1.2	2.03	.5	<.2	128	.8	1.7	.70	5.8	1.7
AUG 16...	E.07	3.5	3.7	1.3	2.26	.5	<.2	156	.6	1.1	.84	3.5	1.4
SEP 27...	.14	2.4	10.0	.9	1.1	.37	<.2	135	.63	.74	.76	6.5	.1
Date	Organic carbon, suspnd sedimnt total, mg/L (00689)	Total carbon, suspnd sedimnt total, mg/L (00694)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)							
MAR 17...	.4	.4	.03	5	562	95							
MAY 17...	9.4	11.8	.64	863	2680000	72							
JUN 01...	5.5	6.0	.34	612	1260000	63							
JUN 14...	4.9	5.4	.37	393	722000	69							
JUL 12...	4.8	6.6	.35	461	518000	86							
AUG 16...	4.2	5.6	.27	413	352000	64							
SEP 27...	3.1	3.3	.21	287	292000	82							

E Estimated