

15798700 NUNAVAK CREEK NEAR BARROW

LOCATION.--Lat 71°15'35", long 156°46'57", in SE¹/₄ sec. 18, T. 22 N., R. 18 W. (Barrow B-4 quad), North Slope Borough, Hydrologic Unit 19060202, 0.7 mi downstream from Emaiksoun Lake, 1.2 mi upstream from Nunavak Bay, and 2.3 mi south of Barrow Post Office.

DRAINAGE AREA.--2.79 mi², approximately.

PERIOD OF RECORD.--October 1971 to current year.

REVISED RECORDS.--WDR AK-76-1: 1972.

GAGE.--Water-stage recorder. Elevation of gage is 19 ft above sea level, from topographic map. Prior to May 29, 1982, at site 10 ft downstream at datum about 29.6 ft higher.

REMARKS.--Records poor.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	1.4	0.24	0.11
2	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	2.5	0.20	0.12
3	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	2.4	0.18	0.12
4	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	2.1	0.17	0.14
5	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e3.1	2.4	0.19	0.15
6	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e6.0	3.2	0.17	0.14
7	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e10	3.1	0.16	0.17
8	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e14	3.2	0.13	0.64
9	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e25	3.0	0.13	0.67
10	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e17	2.8	0.17	17
11	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	11	2.8	0.16	12
12	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	7.7	4.2	0.14	7.5
13	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	6.2	3.5	0.12	3.5
14	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	4.6	3.5	0.11	4.5
15	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	3.2	2.2	0.19	7.5
16	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	2.6	1.7	0.18	5.5
17	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	2.1	1.3	0.20	e1.7
18	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	1.9	1.4	0.19	e1.1
19	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	1.8	2.3	0.18	e0.75
20	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	1.6	0.98	0.16	e0.55
21	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	1.5	0.44	0.15	e0.42
22	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	1.3	0.31	0.17	e0.34
23	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	1.2	0.33	0.18	e0.28
24	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	1.1	0.37	0.17	e0.24
25	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	1.1	0.28	0.16	e0.20
26	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	1.2	0.22	0.13	e0.18
27	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	1.1	0.19	0.12	e0.20
28	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	0.93	0.17	0.10	e0.17
29	e0.00	e0.00	e0.00	e0.00	---	e0.00	e0.00	e0.00	0.87	0.16	0.10	e0.15
30	e0.00	e0.00	e0.00	e0.00	---	e0.00	e0.00	e0.00	1.1	0.35	0.11	e0.13
31	e0.00	---	e0.00	e0.00	---	e0.00	---	e0.00	---	0.31	0.12	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	129.20	53.11	4.88	66.17
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.31	1.71	0.16	2.21
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25	4.2	0.24	17
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.10	0.11
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	256	105	9.7	131
CFSM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	0.61	0.06	0.79
IN.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.72	0.71	0.07	0.88

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2003, BY WATER YEAR (WY)

MEAN	0.029	0.000	0.000	0.000	0.000	0.000	0.000	0.27	8.27	1.99	0.86	1.05
MAX	0.22	0.000	0.000	0.000	0.000	0.000	0.000	3.55	17.3	9.93	6.79	8.34
(WY)	1980	1972	1972	1972	1972	1972	1972	1990	1999	1981	1994	1986
MIN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.73	0.091	0.001	0.000
(WY)	1972	1972	1972	1972	1972	1972	1972	1992	1992	1983	1983	1975

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1972 - 2003

ANNUAL TOTAL	278.17	253.36		
ANNUAL MEAN	0.76	0.69	1.03	
HIGHEST ANNUAL MEAN			2.26	1989
LOWEST ANNUAL MEAN			0.26	1992
HIGHEST DAILY MEAN	18	May 26	25	Jun 9
LOWEST DAILY MEAN	a0.00	Jan 1	b0.00	Oct 1
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1
MAXIMUM PEAK FLOW			d	Jun 9
MAXIMUM PEAK STAGE			g	
ANNUAL RUNOFF (AC-FT)	552	503	748	
ANNUAL RUNOFF (CFSM)	0.27	0.25	0.37	
ANNUAL RUNOFF (INCHES)	3.71	3.38	5.03	
10 PERCENT EXCEEDS	2.9	1.8	2.0	
50 PERCENT EXCEEDS	0.00	0.00	0.00	
90 PERCENT EXCEEDS	0.00	0.00	0.00	

- a From Jan. 1 to May 22 and Oct. 1 to Dec. 31
 b From Oct. 1 to Jun. 4
 c No flow during winter months and at times during summer months
 d Undetermined see highest daily mean
 e Estimated
 f At site and datum then in use, flow over snow
 g Undetermined
 h Backwater from snow and ice

15875000 COLVILLE RIVER AT UMIAT

LOCATION.--Lat 69°21'38", long 152°07'18", in NW¹/₄, sec. 15, T. 1 S., R. 1 W. (Umiat B-4 quad), Hydrologic Unit 19060303, on left bank, 1 mile upstream from Seabee Creek, and 1.0 mile east of Umiat.

DRAINAGE AREA.--13,830 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 275 ft above sea level, from topographic map.

EXTREMES FOR WATER YEAR 2002.-- Maximum discharge for period, August 20 to September 30, 37,300 ft³/s, August 20, gage-height, 50.53 ft. Minimum not determined, occurs during the winter.

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	22300
2	---	---	---	---	---	---	---	---	---	---	---	19600
3	---	---	---	---	---	---	---	---	---	---	---	17200
4	---	---	---	---	---	---	---	---	---	---	---	15300
5	---	---	---	---	---	---	---	---	---	---	---	14000
6	---	---	---	---	---	---	---	---	---	---	---	13200
7	---	---	---	---	---	---	---	---	---	---	---	14700
8	---	---	---	---	---	---	---	---	---	---	---	22700
9	---	---	---	---	---	---	---	---	---	---	---	25100
10	---	---	---	---	---	---	---	---	---	---	---	26300
11	---	---	---	---	---	---	---	---	---	---	---	26100
12	---	---	---	---	---	---	---	---	---	---	---	24400
13	---	---	---	---	---	---	---	---	---	---	---	24700
14	---	---	---	---	---	---	---	---	---	---	---	23600
15	---	---	---	---	---	---	---	---	‡19800	---	---	22800
16	---	---	---	---	---	---	---	---	---	---	---	29800
17	---	---	---	---	---	---	---	---	---	---	---	29600
18	---	---	---	---	---	---	---	---	---	---	---	29000
19	---	---	---	---	---	---	---	---	---	---	---	30400
20	---	---	---	---	---	---	---	---	---	---	‡37300	28900
21	---	---	---	---	---	---	---	---	---	---	e31000	24000
22	---	---	---	---	---	---	---	---	---	---	28000	20000
23	---	---	---	---	---	---	---	---	---	---	25600	17000
24	---	---	---	---	---	---	---	---	---	---	24000	15000
25	---	---	---	---	---	---	---	---	---	---	21500	14000
26	---	---	---	---	---	---	---	---	---	---	18900	13200
27	---	---	---	---	---	---	---	---	---	---	16700	13600
28	---	---	---	---	---	---	---	---	---	---	15000	17200
29	---	---	---	---	---	---	---	---	---	---	13900	17900
30	---	---	---	---	---	---	---	---	---	---	15500	19300
31	---	---	---	---	---	---	---	---	---	---	21600	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	630900
MEAN	---	---	---	---	---	---	---	---	---	---	---	21030
MAX	---	---	---	---	---	---	---	---	---	---	---	30400
MIN	---	---	---	---	---	---	---	---	---	---	---	13200
AC-FT	---	---	---	---	---	---	---	---	---	---	---	1251000
CFSM	---	---	---	---	---	---	---	---	---	---	---	1.52
IN.	---	---	---	---	---	---	---	---	---	---	---	1.70

‡ Result of discharge measurement
e Estimated

15875000 COLVILLE RIVER AT UMIAT—Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20100	e1800	e270	e14	e0.00	e0.00	e0.00	e0.00	e10000	22500	13700	19300
2	20900	e1700	e250	e12	e0.00	e0.00	e0.00	e0.00	e15000	18400	14400	17600
3	20300	e1600	e230	e11	e0.00	e0.00	e0.00	e0.00	e25000	27500	15300	17800
4	18200	e1500	e210	e10	e0.00	e0.00	e0.00	e0.00	e40000	101000	15200	19400
5	15900	e1400	e200	e9.0	e0.00	e0.00	e0.00	e0.00	63100	80100	20100	20200
6	13700	e1300	e180	e8.0	e0.00	e0.00	e0.00	e0.00	102000	53600	21700	23100
7	11500	e1300	e170	e7.0	e0.00	e0.00	e0.00	e0.00	173000	43300	25000	26200
8	9830	e1200	e160	e6.5	e0.00	e0.00	e0.00	e0.00	207000	33400	20300	24000
9	8480	e1100	e140	e5.5	e0.00	e0.00	e0.00	e1.0	217000	23700	15900	21800
10	7350	e1000	e130	e5.0	e0.00	e0.00	e0.00	e1.5	225000	17900	13100	22900
11	e6700	e1000	e120	e4.5	e0.00	e0.00	e0.00	e2.0	206000	14500	11400	23400
12	e6200	e900	e110	e4.0	e0.00	e0.00	e0.00	e3.0	160000	12500	12000	19500
13	e5700	e850	e100	e3.5	e0.00	e0.00	e0.00	e5.0	106000	11300	29700	15800
14	e5100	e800	e95	e3.0	e0.00	e0.00	e0.00	e8.0	69300	10600	45800	13000
15	e4800	e750	e85	e2.5	e0.00	e0.00	e0.00	e15	49700	10000	43400	11000
16	e4500	e700	e80	e2.0	e0.00	e0.00	e0.00	e25	43100	10400	40300	9700
17	e4200	e680	e75	e1.5	e0.00	e0.00	e0.00	e50	39700	11800	39700	9220
18	e4000	e620	e65	e1.0	e0.00	e0.00	e0.00	e80	32700	13800	62200	8850
19	e3800	e600	e60	e0.00	e0.00	e0.00	e0.00	e150	28000	14900	77700	8320
20	e3600	e550	e52	e0.00	e0.00	e0.00	e0.00	e250	26600	13700	61600	7700
21	e3500	e520	e48	e0.00	e0.00	e0.00	e0.00	e400	19800	12100	44100	6990
22	e3200	e500	e42	e0.00	e0.00	e0.00	e0.00	e600	16900	11000	33700	5990
23	e3000	e470	e38	e0.00	e0.00	e0.00	e0.00	e800	16100	9960	28200	5150
24	e2900	e430	e34	e0.00	e0.00	e0.00	e0.00	e900	16200	9150	32200	4700
25	e2800	e400	e31	e0.00	e0.00	e0.00	e0.00	e850	15300	8860	43200	4230
26	e2600	e380	e28	e0.00	e0.00	e0.00	e0.00	e800	15100	13700	47600	3840
27	e2500	e350	e25	e0.00	e0.00	e0.00	e0.00	e750	16200	38200	39500	3540
28	e2300	e330	e22	e0.00	e0.00	e0.00	e0.00	e700	20800	37800	36400	3250
29	e2200	e310	e20	e0.00	---	e0.00	e0.00	e3000	29000	25900	32600	3130
30	e2100	e290	e18	e0.00	---	e0.00	e0.00	e5000	29200	18700	27300	3200
31	e1900	---	e16	e0.00	---	e0.00	---	e7000	---	14600	22600	---
TOTAL	223860	25330	3104	110.00	0.00	0.00	0.00	21390.50	2032800	744870	985900	382810
MEAN	7221	844	100	3.55	0.000	0.000	0.000	690	67760	24030	31800	12760
MAX	20900	1800	270	14	0.00	0.00	0.00	7000	225000	101000	77700	26200
MIN	1900	290	16	0.00	0.00	0.00	0.00	0.00	10000	8860	11400	3130
AC-FT	444000	50240	6160	218	0.00	0.00	0.00	42430	4032000	1477000	1956000	759300
CFSM	0.52	0.06	0.01	0.00	0.00	0.00	0.00	0.05	4.90	1.74	2.30	0.92
IN.	0.60	0.07	0.01	0.00	0.00	0.00	0.00	0.06	5.47	2.00	2.65	1.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2003, BY WATER YEAR (WY)#

MEAN	7221	844	100	3.55	0.000	0.000	0.000	690	67760	24030	31800	16900
MAX	7221	844	100	3.55	0.000	0.000	0.000	690	67760	24030	31800	21030
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2002
MIN	7221	844	100	3.55	0.000	0.000	0.000	690	67760	24030	31800	12760
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003	2003

SUMMARY STATISTICS

FOR 2003 WATER YEAR

WATER YEARS 2002 - 2003#

ANNUAL TOTAL	4420174.50	
ANNUAL MEAN	12110	12110
HIGHEST ANNUAL MEAN		12110
LOWEST ANNUAL MEAN		12110
HIGHEST DAILY MEAN	225000	225000
LOWEST DAILY MEAN	a0.00	b0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	0.00
MAXIMUM PEAK FLOW	c234000	c234000
MAXIMUM PEAK STAGE	c58.62	c58.62
MAXIMUM PEAK STAGE	c58.68	c58.68
ANNUAL RUNOFF (AC-FT)	8767000	8773000
ANNUAL RUNOFF (CFSM)	0.88	0.88
ANNUAL RUNOFF (INCHES)	11.89	11.90
10 PERCENT EXCEEDS	32400	32400
50 PERCENT EXCEEDS	550	550
90 PERCENT EXCEEDS	0.00	0.00

See Period of Record, partial years used in monthly statistics

a Jan. 19 to May 8

b No flow during winter months

c Peak discharge adjusted to exclude surge; peak stage not adjusted to exclude surge

e Estimated

ARCTIC SLOPE ALASKA

15875000 COLVILLE RIVER AT UMIAT—Continued

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

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	1.0	0.0	0.0	15.5	14.0	14.5	9.5	8.0	9.0	8.0	7.0	7.5
2	2.0	0.5	1.0	14.0	13.0	13.5	9.5	8.5	9.0	7.0	6.5	6.5
3	3.0	1.0	2.0	13.0	10.0	11.5	9.0	8.0	8.5	7.0	6.5	6.5
4	2.5	1.5	2.0	10.0	8.5	9.5	10.0	8.0	9.0	7.0	6.5	6.5
5	3.5	0.5	2.0	9.5	9.0	9.5	9.5	8.5	9.0	6.5	6.0	6.0
6	4.0	2.0	3.0	11.5	9.5	10.5	9.5	8.0	8.5	6.0	5.5	5.5
7	4.0	3.0	3.5	11.5	10.5	11.0	9.5	8.5	9.0	6.0	5.5	6.0
8	5.0	3.5	4.0	13.0	11.5	12.0	10.5	8.0	9.0	6.0	5.5	6.0
9	6.0	4.5	5.5	15.0	12.5	13.5	11.5	10.0	11.0	5.5	4.5	5.0
10	6.5	5.0	5.5	14.5	13.5	14.0	12.0	11.5	11.5	5.0	4.0	4.0
11	6.5	5.5	6.0	14.5	13.0	13.5	11.5	9.5	10.5	4.0	3.0	3.5
12	6.5	5.5	5.5	14.5	12.5	13.5	9.5	8.5	8.5	3.0	2.0	2.5
13	7.0	5.5	6.0	15.0	12.5	13.5	8.5	7.0	7.5	2.5	2.5	2.5
14	7.5	6.0	7.0	13.5	11.5	12.0	7.0	6.0	6.5	3.0	2.5	2.5
15	9.0	7.0	8.0	11.5	10.0	10.5	8.5	7.0	7.5	3.0	3.0	3.0
16	10.5	8.5	9.5	10.5	9.0	10.0	9.5	8.0	8.5	3.0	3.0	3.0
17	11.0	9.5	10.0	10.0	9.0	9.5	9.5	9.0	9.0	3.0	2.5	2.5
18	10.5	9.0	9.5	12.0	9.0	10.0	9.0	8.5	8.5	2.5	2.0	2.0
19	9.5	8.5	9.0	13.5	11.0	12.0	8.5	8.0	8.5	2.5	2.0	2.0
20	10.0	8.0	9.0	15.0	12.5	13.5	9.0	8.5	8.5	2.5	2.0	2.0
21	11.0	8.0	9.5	15.5	13.5	14.5	9.0	8.0	8.5	2.5	2.0	2.0
22	12.5	9.5	11.0	15.0	14.0	14.5	9.0	8.0	8.5	2.5	2.0	2.0
23	13.5	11.5	12.5	14.0	13.5	13.5	8.5	8.0	8.5	2.5	2.0	2.0
24	13.5	11.5	12.5	13.5	13.0	13.5	8.5	7.5	8.0	2.0	1.5	2.0
25	15.0	12.0	13.5	13.0	11.0	12.0	7.5	6.5	7.0	2.0	1.5	2.0
26	14.5	13.5	14.5	11.0	10.5	11.0	7.0	6.0	6.5	2.0	1.5	1.5
27	15.5	14.0	14.5	11.0	8.5	9.5	6.5	6.0	6.0	2.0	1.5	1.5
28	15.5	14.0	14.5	9.0	7.5	8.0	7.5	6.0	6.5	1.5	0.5	1.0
29	16.0	14.5	15.5	9.0	8.0	8.5	8.5	7.0	7.5	2.5	0.5	1.0
30	16.0	14.5	15.0	8.5	8.0	8.0	8.5	8.0	8.0	1.0	0.5	0.5
31	---	---	---	9.0	8.0	8.5	8.5	8.0	8.0	---	---	---
MONTH	16.0	0.0	8.0	15.5	7.5	11.6	12.0	6.0	8.4	8.0	0.5	3.4

15896000 KUPARUK RIVER NEAR DEADHORSE

LOCATION.--Lat 70°16'54", long 148°57'35", in NE¹/₄ sec. 25, T. 11 N., R. 12 E. (Beechey Point B-4 quad), North Slope Borough, Hydrologic Unit 19060401, on right bank, 1.8 mi northeast of SE Eileen State No. 1, 2.1 mi south of Frontier Service City Camp, 10 mi upstream from mouth on Gwyder Bay, 3 miles upstream of the Spine Road, and 13 mi northwest of Deadhorse.

DRAINAGE AREA.--3,130 mi².

PERIOD OF RECORD.--June 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is at sea level (levels by private engineering firm).

REMARKS.--Records fair except for estimated daily discharges, which are poor. Winter low flow may be discontinuous as the flow probably varies significantly along the main stem of the river due to the formation of aufeis in the vicinity of springs. Flow may cease at other points. GOES satellite telemetry at station.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5680	e200	e9.0	e0.0	e0.0	e0.0	e0.0	e0.0	e500	1180	3480	3090
2	4940	e180	e8.0	e0.0	e0.0	e0.0	e0.0	e0.0	e2000	1060	3170	2870
3	4340	e160	e8.0	e0.0	e0.0	e0.0	e0.0	e0.0	e4000	1020	2970	2750
4	3890	e150	e7.0	e0.0	e0.0	e0.0	e0.0	e0.0	e9000	1020	2960	2700
5	3500	e140	e6.0	e0.0	e0.0	e0.0	e0.0	e0.0	e20000	3830	2920	2680
6	e3100	e120	e6.0	e0.0	e0.0	e0.0	e0.0	e0.0	e38000	7050	2660	2780
7	e2800	e110	e5.0	e0.0	e0.0	e0.0	e0.0	e0.0	e43000	5380	2620	2880
8	e2600	e100	e5.0	e0.0	e0.0	e0.0	e0.0	e0.0	31400	4590	2410	3200
9	e2300	e90	e4.0	e0.0	e0.0	e0.0	e0.0	e0.0	21400	4050	2300	3390
10	e2100	e80	e4.0	e0.0	e0.0	e0.0	e0.0	e0.0	16500	4390	2190	3500
11	e1900	e70	e3.0	e0.0	e0.0	e0.0	e0.0	e0.0	12100	3690	2180	3490
12	e1700	e65	e3.0	e0.0	e0.0	e0.0	e0.0	e0.0	9150	3010	2380	3480
13	e1500	e60	e3.0	e0.0	e0.0	e0.0	e0.0	e0.0	7090	2490	2800	3360
14	e1400	e55	e3.0	e0.0	e0.0	e0.0	e0.0	e0.0	5780	2160	4500	3180
15	e1200	e48	e2.0	e0.0	e0.0	e0.0	e0.0	e0.0	4900	2170	6370	2940
16	e1100	e44	e2.0	e0.0	e0.0	e0.0	e0.0	e0.0	4330	2250	5960	2670
17	e1000	e39	e2.0	e0.0	e0.0	e0.0	e0.0	e0.0	3950	3110	4710	2460
18	e890	e35	e2.0	e0.0	e0.0	e0.0	e0.0	e0.0	3630	3670	3780	e2200
19	e800	e31	e2.0	e0.0	e0.0	e0.0	e0.0	e0.0	3320	3200	3670	e2000
20	e750	e29	e1.0	e0.0	e0.0	e0.0	e0.0	e0.0	3000	3140	4530	e1900
21	e650	e26	e1.0	e0.0	e0.0	e0.0	e0.0	e0.0	2760	3280	4310	e1750
22	e580	e23	e1.0	e0.0	e0.0	e0.0	e0.0	e0.0	2490	2720	3780	e1600
23	e520	e21	e1.0	e0.0	e0.0	e0.0	e0.0	e0.0	2190	2320	3310	e1500
24	e470	e19	e1.0	e0.0	e0.0	e0.0	e0.0	e0.0	1930	1970	2970	e1400
25	e420	e17	e1.0	e0.0	e0.0	e0.0	e0.0	e0.0	1780	1780	2780	e1300
26	e380	e15	e1.0	e0.0	e0.0	e0.0	e0.0	e0.0	1650	1790	2920	e1250
27	e340	e14	e1.0	e0.0	e0.0	e0.0	e0.0	e0.0	1550	2810	3540	e1200
28	e310	e13	e0.0	e0.0	e0.0	e0.0	e0.0	e0.0	1490	7440	3610	e1150
29	e280	e11	e0.0	e0.0	---	e0.0	e0.0	e0.0	1440	6680	3510	e1100
30	e250	e10	e0.0	e0.0	---	e0.0	e0.0	e10	1350	5090	3540	e1050
31	e230	---	e0.0	e0.0	---	e0.0	---	e100	---	4230	3410	---
TOTAL	51920	1975	92.0	0.0	0.0	0.0	0.0	110.0	261680	102570	106240	70820
MEAN	1675	65.8	2.97	0.000	0.000	0.000	0.000	3.55	8723	3309	3427	2361
MAX	5680	200	9.0	0.0	0.0	0.0	0.0	100	43000	7440	6370	3500
MIN	230	10	0.0	0.0	0.0	0.0	0.0	0.0	500	1020	2180	1050
MED	1100	46	2.0	0.0	0.0	0.0	0.0	0.0	3790	3110	3310	2680
AC-FT	103000	3920	182	0.00	0.00	0.00	0.00	218	519000	203400	210700	140500
CFSM	0.54	0.02	0.00	0.00	0.00	0.00	0.00	0.00	2.79	1.06	1.09	0.75
IN.	0.62	0.02	0.00	0.00	0.00	0.00	0.00	0.00	3.11	1.22	1.26	0.84

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2003, BY WATER YEAR (WY)#

	MEAN	280	22.2	2.68	0.96	0.94	0.94	0.94	1640	10420	1183	1797	1591
MAX	1675	174	24.3	10.0	10.0	10.0	10.0	8877	26360	3309	5229	4863	
(WY)	2003	1973	1973	1972	1972	1972	1972	1996	1982	2003	2002	1997	
MIN	10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	726	300	127	192	
(WY)	1975	1977	1977	1976	1976	1975	1975	1975	1990	1971	1990	1974	

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

5896000 KUPARUK RIVER NEAR DEADHORSE—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1971 - 2003#	
ANNUAL TOTAL	651133.0		595407.0			
ANNUAL MEAN	1784		1631		1395	
HIGHEST ANNUAL MEAN					2304	
LOWEST ANNUAL MEAN					658	
HIGHEST DAILY MEAN	50000	May 24	43000	Jun 7	100000	Jun 7 1978
LOWEST DAILY MEAN	a0.0	Jan 1	b0.0	Dec 28	c0.0	Mar 1 1975
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Dec 28	0.00	Mar 1 1975
MAXIMUM PEAK FLOW			d		118000	Jun 7 1978
MAXIMUM PEAK STAGE			f36.0	Jun 7	37.60	Jun 7 1978
ANNUAL RUNOFF (AC-FT)	1292000		1181000		1011000	
ANNUAL RUNOFF (CFSM)	0.57		0.52		0.45	
ANNUAL RUNOFF (INCHES)	7.74		7.08		6.06	
10 PERCENT EXCEEDS	3940		3780		2870	
50 PERCENT EXCEEDS	31		11		10	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

See Period of Record, partial years used in monthly statistics

a From Jan. 1 to May 20

b From Dec. 28 to May 29

c No flow during winter months

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

f From floodmarks, backwater from snow and ice

15906000 SAGAVANIRKTOK RIVER TRIBUTARY NEAR PUMP STATION 3

LOCATION.--Lat 68°41'13", long 149°05'42", in SW¹/₄ sec. 4, T. 9 S., R. 13 E. (Phillip Smith Mountains C-4 quad), Hydrologic Unit 19060402, on right bank 30 ft downstream from culvert, at mi 297.9 Dalton Highway, 14 mi south of Pump Station 3, and 16.5 mi upstream from mouth.

DRAINAGE AREA.--28.4 mi².

PERIOD OF RECORD.--Annual maximums, water years 1979-87. October 1987 to current year. (No winter record in water year 1989.)

REVISED RECORDS.--WDR AK-96-1:1992(M), 1994(M), 1995(M).

GAGE.--Water stage recorder. Elevation of gage is 2,475 ft above sea level, from topographic map. Crest-stage gage only, August 15, 1979 to September 12, 1987, 30 ft upstream of culvert at same datum.

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e4.0	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	21	53	9.2	46
2	e3.8	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	18	44	8.4	39
3	e3.4	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	16	54	7.6	34
4	e3.0	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	16	51	6.5	30
5	e2.8	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	16	65	6.3	28
6	e2.5	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	16	74	7.2	28
7	e2.2	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	16	108	7.1	113
8	e2.0	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.20	14	94	7.1	122
9	e1.8	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e1.0	13	68	9.6	84
10	e1.6	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e1.8	16	55	12	60
11	e1.5	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e1.4	15	46	16	44
12	e1.3	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e1.3	12	37	34	34
13	e1.2	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e1.3	11	36	60	30
14	e1.0	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e1.3	37	39	48	26
15	e0.90	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e1.2	54	33	489	23
16	e0.80	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e1.2	42	28	871	22
17	e0.70	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e1.4	31	24	467	20
18	e0.60	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e2.0	24	18	241	20
19	e0.50	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e3.0	18	16	165	19
20	e0.50	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e7.0	17	16	116	18
21	e0.40	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e20	17	40	88	17
22	e0.30	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e50	45	39	80	18
23	e0.20	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e140	71	39	75	17
24	e0.20	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e280	78	33	81	16
25	e0.10	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	249	54	26	91	14
26	e0.10	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	142	33	23	93	14
27	e0.0	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	76	25	19	84	22
28	e0.0	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	51	52	16	69	27
29	e0.0	e0.00	e0.00	e0.00	---	e0.00	e0.00	40	78	14	74	23
30	e0.0	e0.00	e0.00	e0.00	---	e0.00	e0.00	24	64	12	71	20
31	e0.0	---	e0.00	e0.00	---	e0.00	---	26	---	10	56	---
TOTAL	37.40	0.00	0.00	0.00	0.00	0.00	0.00	1122.10	940	1230	3450.0	1028
MEAN	1.21	0.000	0.000	0.000	0.000	0.000	0.000	36.2	31.3	39.7	111	34.3
MAX	4.0	0.00	0.00	0.00	0.00	0.00	0.00	280	78	108	871	122
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11	10	6.3	14
AC-FT	74	0.00	0.00	0.00	0.00	0.00	0.00	2230	1860	2440	6840	2040
CFSM	0.04	0.00	0.00	0.00	0.00	0.00	0.00	1.27	1.10	1.40	3.92	1.21
IN.	0.05	0.00	0.00	0.00	0.00	0.00	0.00	1.47	1.23	1.61	4.52	1.35

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

MEAN	2.62	0.000	0.000	0.000	0.000	0.000	0.000	36.0	53.7	34.7	49.6	28.3
MAX	6.84	0.000	0.000	0.000	0.000	0.000	0.000	95.6	150	81.6	111	77.4
(WY)	1999	1988	1988	1988	1988	1988	1988	1995	1992	1999	2002	1997
MIN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.032	10.4	8.19	3.17	9.56
(WY)	1988	1988	1988	1988	1988	1988	1988	2001	1988	1990	1990	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1988 - 2002#	
ANNUAL TOTAL	5314.60		7807.50			
ANNUAL MEAN	14.6		21.4		17.4	
HIGHEST ANNUAL MEAN					27.9	
LOWEST ANNUAL MEAN					7.49	
HIGHEST DAILY MEAN	199	Jun 8	871	Aug 16	871	Aug 16 2002
LOWEST DAILY MEAN	a0.00	Jan 1	b0.00	Oct 27	c0.00	Oct 1 1987
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 27	0.00	Oct 1 1987
MAXIMUM PEAK FLOW			de1810	Aug 15	de1810	Aug 15 2002
MAXIMUM PEAK STAGE			21.90	Aug 15	21.90	Aug 15 2002
ANNUAL RUNOFF (AC-FT)	10540		15490		12590	
ANNUAL RUNOFF (CFSM)	0.51		0.75		0.61	
ANNUAL RUNOFF (INCHES)	6.96		10.23		8.31	
10 PERCENT EXCEEDS	49		55		49	
50 PERCENT EXCEEDS	0.00		0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

See Period of Record, partial years used in monthly statistics

a From Jan. 1 to Jun. 5

b From Oct. 27 to May 12

c No flow during winter months

d Estimated, from rating extended above 450 ft³/s on basis of slope-area measurement of peak discharge.

e Estimated

15906000 SAGAVANIRK TOK RIVER TRIBUTARY NEAR PUMP STATION 3—Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	e0.20	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e70	12	92	e60
2	16	e0.20	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e150	11	85	e70
3	e13	e0.10	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	266	49	76	e60
4	e11	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	322	84	72	e45
5	e9.0	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	440	62	72	e38
6	e8.0	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	526	43	70	e34
7	e7.0	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	494	111	67	e30
8	e6.0	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	415	130	74	e26
9	e5.2	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	312	77	63	e24
10	e4.6	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	200	51	62	e22
11	e4.0	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	129	42	194	e20
12	e3.5	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	86	38	452	e19
13	e3.0	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	59	48	433	e18
14	e2.6	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	43	70	e250	e17
15	e2.3	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	35	94	e150	e16
16	e2.0	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	38	89	e100	e15
17	e1.7	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	37	75	e150	e14
18	e1.5	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	34	73	e140	e13
19	e1.3	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	30	76	e110	e13
20	e1.1	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	24	56	e80	e12
21	e1.0	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	21	41	e60	e12
22	e0.90	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	19	33	e55	e11
23	e0.80	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	16	31	e60	e11
24	e0.70	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	15	33	e60	e10
25	e0.60	e0.00	e0.00	e0.00	e0.00	e0.00	e0.10	e0.00	14	103	e60	e9.5
26	e0.50	e0.00	e0.00	e0.00	e0.00	e0.00	e0.10	e0.20	15	332	e65	e9.0
27	e0.50	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.50	16	244	e70	e9.0
28	e0.40	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e1.2	16	183	e60	e8.5
29	e0.40	e0.00	e0.00	e0.00	---	e0.00	e0.00	e3.0	14	124	e50	e12
30	e0.30	e0.00	e0.00	e0.00	---	e0.00	e0.00	e8.0	13	103	e45	e10
31	e0.30	---	e0.00	e0.00	---	e0.00	---	e20	---	95	e40	---
TOTAL	126.20	0.50	0.00	0.00	0.00	0.00	0.20	32.90	3869	2613	3417	668.0
MEAN	4.07	0.017	0.000	0.000	0.000	0.000	0.007	1.06	129	84.3	110	22.3
MAX	17	0.20	0.00	0.00	0.00	0.00	0.10	20	526	332	452	70
MIN	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13	11	40	8.5
AC-FT	250	1.0	0.00	0.00	0.00	0.00	0.4	65	7670	5180	6780	1320
CFSM	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.04	4.54	2.97	3.88	0.78
IN.	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.04	5.07	3.42	4.48	0.87

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

MEAN	2.71	0.001	0.000	0.000	0.000	0.000	0.000	33.7	58.7	37.8	53.4	28.0
MAX	6.84	0.017	0.000	0.000	0.000	0.000	0.007	95.6	150	84.3	111	77.4
(WY)	1999	2003	1988	1988	1988	1988	2003	1995	1992	2003	2002	1997
MIN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.032	10.4	8.19	3.17	9.56
(WY)	1988	1988	1988	1988	1988	1988	1988	2001	1988	1990	1990	2000

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1988 - 2003#

ANNUAL TOTAL	7896.80	10726.80	
ANNUAL MEAN	21.6	29.4	18.2
HIGHEST ANNUAL MEAN			29.4
LOWEST ANNUAL MEAN			7.49
HIGHEST DAILY MEAN	871	Aug 16	526
LOWEST DAILY MEAN	a0.00	Jan 1	b0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00
MAXIMUM PEAK FLOW			664
MAXIMUM PEAK STAGE			20.92
ANNUAL RUNOFF (AC-FT)	15660	21280	13170
ANNUAL RUNOFF (CFSM)	0.76	1.03	0.64
ANNUAL RUNOFF (INCHES)	10.34	14.05	8.70
10 PERCENT EXCEEDS	55	76	51
50 PERCENT EXCEEDS	0.00	0.00	0.00
90 PERCENT EXCEEDS	0.00	0.00	0.00

See Period of Record, partial years used in monthly statistics

a From Jan. 1 to May 7

b From Nov. 4 to Apr. 24 and from Apr. 27 to May 25

c No flow during winter months

d Estimated, from rating extended above 450 ft³/s on basis of slope-area measurement of peak discharge

e Estimated

15908000 SAGAVANIRKTOK RIVER NEAR PUMP STATION 3

LOCATION.--Lat 69°00'54", long 148°49'02", in NW¹/₄ sec. 16, T. 5 S., R. 14 E. (Sagavanirktok River A-4 quad), North Slope Borough, Hydrologic Unit 19060402, on left bank 600 ft east of Dalton Highway at mi 324.7, 6.0 mi upstream from Lupine River, and 15 mi north of Pump Station 3.

DRAINAGE AREA.--1,860 mi², approximately.

PERIOD OF RECORD.--September 1982 to current year.

GAGE.--Water-stage recorder. Elevation is 1,150 ft above sea level, from topographic map.

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

REVISIONS.--The maximum discharges for some water years have been revised, as shown in the following table. The daily discharge for July 18, 1999 has been revised to 32,000 ft³/s. These figures supersede those published in the reports for 1991, 1992 and 1999.

Date	Discharge (ft ³ /s)	Gage Height (ft)	Date	Discharge (ft ³ /s)	Gage Height (ft)
Jun 24, 1991	18,000	18.28	Jul 18, 1999	34,500	20.43
Aug 27, 1992	36,600	20.67			

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e850	e310	e220	e180	e160	e150	e140	e130	e1900	4150	1830	2590
2	e810	e310	e220	e180	e160	e150	e140	e130	e1800	3730	1860	2430
3	e770	e300	e220	e180	e160	e150	e140	e130	e1700	3520	2130	2260
4	e730	e300	e210	e180	e160	e150	e140	e130	e2000	3230	2300	2200
5	e700	e300	e210	e180	e160	e150	e140	e130	e2600	2860	2500	2350
6	e670	e290	e210	e180	e160	e150	e140	e130	2930	2930	2750	3980
7	e640	e290	e210	e180	e160	e150	e140	e130	3040	3930	2370	10400
8	e620	e280	e210	e180	e160	e150	e140	e130	3430	5250	2090	9450
9	e590	e280	e210	e170	e160	e150	e140	e130	3700	5410	2030	6190
10	e570	e270	e200	e170	e160	e150	e140	e130	3910	5050	2180	4810
11	e560	e270	e200	e170	e150	e140	e140	e130	3290	4450	2360	3860
12	e530	e270	e200	e170	e150	e140	e140	e130	2590	3900	2720	3320
13	e520	e260	e200	e170	e150	e140	e140	e130	2250	4410	3250	3040
14	e500	e260	e200	e170	e150	e140	e140	e130	3330	5020	3270	2750
15	e480	e260	e200	e170	e150	e140	e140	e130	4480	4670	8530	2610
16	e470	e260	e200	e170	e150	e140	e140	e130	3790	4270	33000	2460
17	e460	e250	e200	e170	e150	e140	e140	e130	3870	4010	13800	2320
18	e440	e250	e190	e170	e150	e140	e140	e130	3440	4220	8680	2200
19	e430	e250	e190	e170	e150	e140	e130	e140	2740	4060	6530	2120
20	e420	e240	e190	e170	e150	e140	e130	e170	2890	4390	5180	2020
21	e410	e240	e190	e170	e150	e140	e130	e230	2600	4540	4240	1870
22	e400	e240	e190	e170	e150	e140	e130	e460	2320	4820	3640	1760
23	e390	e230	e190	e160	e150	e140	e130	e1000	2890	4690	3170	1710
24	e380	e230	e190	e160	e150	e140	e130	e2500	3860	4410	2890	1640
25	e370	e230	e190	e160	e150	e140	e130	e8000	3650	4070	2750	1610
26	e360	e230	e190	e160	e150	e140	e130	e7000	4260	3690	2780	1570
27	e350	e230	e190	e160	e150	e140	e130	e6000	4690	3040	2920	1770
28	e340	e220	e180	e160	e150	e140	e130	e4700	5450	2620	2970	2100
29	e330	e220	e180	e160	---	e140	e130	e3400	5320	2330	3040	1850
30	e330	e220	e180	e160	---	e140	e130	e2600	4400	2100	3100	1710
31	e320	---	e180	e160	---	e140	---	e2000	---	1940	2810	---
TOTAL	15740	7790	6140	5260	4300	4440	4080	40540	99120	121710	143670	90950
MEAN	508	260	198	170	154	143	136	1308	3304	3926	4635	3032
MAX	850	310	220	180	160	150	140	8000	5450	5410	33000	10400
MIN	320	220	180	160	150	140	130	130	1700	1940	1830	1570
AC-FT	31220	15450	12180	10430	8530	8810	8090	80410	196600	241400	285000	180400
CFSM	0.27	0.14	0.11	0.09	0.08	0.08	0.07	0.70	1.78	2.11	2.49	1.63
IN.	0.31	0.16	0.12	0.11	0.09	0.09	0.08	0.81	1.98	2.43	2.87	1.82

e Estimated

15908000 SAGAVANIRKTOK RIVER NEAR PUMP STATION 3—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2002, BY WATER YEAR (WY)#

MEAN	570	211	82.0	42.7	28.9	24.5	25.5	1264	5791	4756	3934	1927
MAX	1172	358	233	180	154	143	136	3588	9737	7370	6252	3984
(WY)	1996	1996	1998	1998	2002	2002	2002	1993	1992	1995	1987	1997
MIN	279	76.0	4.03	0.000	0.000	0.000	0.000	4.77	3304	2839	1897	883
(WY)	1983	1984	1991	1983	1983	1983	1984	1986	2002	1991	1990	1983

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1982 - 2002#	
ANNUAL TOTAL	537696		543740			
ANNUAL MEAN	1473		1490		1563	
HIGHEST ANNUAL MEAN					2071	
LOWEST ANNUAL MEAN					993	
HIGHEST DAILY MEAN	10900	Jun 11	33000	Aug 16	33000	Aug 16 2002
LOWEST DAILY MEAN	a74	May 20	b130	Apr 19	c0.00	Dec 25 1982
ANNUAL SEVEN-DAY MINIMUM	74	May 20	130	Apr 19	0.00	Dec 25 1982
MAXIMUM PEAK FLOW			d48300	Aug 16	d48300	Aug 16 2002
MAXIMUM PEAK STAGE			21.94	Aug 16	21.94	Aug 16 2002
MAXIMUM PEAK STAGE					f25.68	Jun 8 2000
ANNUAL RUNOFF (AC-FT)	1067000		1079000		1133000	
ANNUAL RUNOFF (CFSM)	0.79		0.80		0.84	
ANNUAL RUNOFF (INCHES)	10.75		10.87		11.42	
10 PERCENT EXCEEDS	5190		4100		4930	
50 PERCENT EXCEEDS	220		240		200	
90 PERCENT EXCEEDS	82		140		0.00	

See Period of Record, partial years used in monthly statistics

a From May 20 to 30

b From Apr. 19 to May 18

c No flow during winter months water years 1983 to 1995

d From rating curve extended above 10,000 ft³/s on basis of slope-area measurement of peak flow at 21.94 ft

e Estimated

f From floodmarks, backwater from ice and snow

15908000 SAGAVANIRKTOK RIVER NEAR PUMP STATION 3—Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1590	e570	e280	e180	e130	e96	e72	e62	e700	6240	5080	3490
2	1540	e550	e270	e180	e130	e94	e72	e62	e1500	6860	4850	3520
3	1540	e540	e260	e180	e130	e94	e72	e62	e3500	11800	4570	3860
4	1500	e520	e260	e170	e120	e92	e72	e60	e8000	11400	4310	3740
5	e1400	e510	e250	e170	e120	e92	e72	e60	e10000	7160	4130	3330
6	e1300	e500	e250	e170	e120	e92	e70	e60	e12000	6140	4470	3020
7	e1180	e490	e250	e170	e120	e90	e70	e60	e13000	12800	3950	2750
8	e1050	e470	e240	e170	e120	e90	e70	e60	e14000	14900	4410	2540
9	e980	e460	e240	e160	e120	e90	e70	e60	14000	8840	3980	2380
10	e920	e450	e230	e160	e120	e88	e68	e60	13700	6630	4210	2200
11	e880	e440	e230	e160	e110	e88	e68	e58	12800	6810	7350	2100
12	e860	e420	e230	e160	e110	e86	e68	e58	11600	6360	14100	1950
13	e840	e410	e220	e160	e110	e86	e68	e58	8630	7450	16100	1810
14	e820	e400	e220	e160	e110	e84	e68	e58	6920	7660	12800	1800
15	e800	e390	e220	e150	e110	e84	e66	e58	6540	8270	9470	1750
16	e780	e380	e220	e150	e110	e84	e66	e58	8420	6780	7610	1820
17	e770	e370	e210	e150	e110	e82	e66	e58	8770	5750	11200	1650
18	e760	e370	e210	e150	e110	e82	e66	e58	7740	4950	12700	e1500
19	e740	e360	e210	e150	e100	e82	e66	e58	6660	4810	9540	e1440
20	e730	e350	e210	e150	e100	e80	e66	e58	6240	5090	7380	e1380
21	e720	e340	e200	e140	e100	e80	e64	e58	5660	4910	5750	e1340
22	e700	e330	e200	e140	e100	e80	e64	e58	5630	4740	4900	e1300
23	e690	e330	e200	e140	e100	e78	e64	e58	5240	4760	4490	e1240
24	e680	e320	e200	e140	e100	e78	e64	e58	5510	4430	4120	e1200
25	e670	e310	e190	e140	e100	e76	e64	e60	6250	4990	3880	e1180
26	e660	e310	e190	e140	e98	e76	e64	e66	6590	9990	3520	e1160
27	e650	e300	e190	e140	e98	e76	e64	e74	6710	10600	3430	e1140
28	e640	e290	e190	e130	e96	e76	e62	e82	7100	8640	3730	e1120
29	e620	e290	e190	e130	---	e74	e62	e94	6830	6720	3810	e1120
30	e620	e280	e180	e130	---	e74	e62	e120	7100	5930	3680	e1160
31	e590	---	e180	e130	---	e74	e62	e300	---	5370	3490	---
TOTAL	28220	12050	6820	4750	3102	2598	2010	2214	237340	227780	197010	59990
MEAN	910	402	220	153	111	83.8	67.0	71.4	7911	7348	6355	2000
MAX	1590	570	280	180	130	96	72	300	14000	14900	16100	3860
MIN	590	280	180	130	96	74	62	58	700	4430	3430	1120
AC-FT	55970	23900	13530	9420	6150	5150	3990	4390	470800	451800	390800	119000
CFSM	0.49	0.22	0.12	0.08	0.06	0.05	0.04	0.04	4.25	3.95	3.42	1.08
IN.	0.56	0.24	0.14	0.10	0.06	0.05	0.04	0.04	4.75	4.56	3.94	1.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2003, BY WATER YEAR (WY)#

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	
MEAN	587	220	88.6	48.0	32.8	27.3	27.5	1207	5892	4879	4049	1931											
MAX	1172	402	233	180	154	143	136	3588	9737	7370	6355	3984											
(WY)	1996	2003	1998	1998	2002	2002	2002	1993	1992	1995	2003	1997											
MIN	279	76.0	4.03	0.000	0.000	0.000	0.000	4.77	3304	2839	1897	883											
(WY)	1983	1984	1991	1983	1983	1983	1984	1986	2002	1991	1990	1983											

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1982 - 2003#

ANNUAL TOTAL	561160	783884		
ANNUAL MEAN	1537	2148	1591	
HIGHEST ANNUAL MEAN			2148	2003
LOWEST ANNUAL MEAN			993	1983
HIGHEST DAILY MEAN	33000	Aug 16	16100	Aug 13
LOWEST DAILY MEAN	a130	Apr 19	b58	May 11
ANNUAL SEVEN-DAY MINIMUM	130	Apr 19	58	May 11
MAXIMUM PEAK FLOW			23800	Jul 7
MAXIMUM PEAK STAGE			19.50	Jul 7
MAXIMUM PEAK STAGE				f25.68
ANNUAL RUNOFF (AC-FT)	1113000	1555000	1153000	
ANNUAL RUNOFF (CFSM)	0.83	1.15	0.86	
ANNUAL RUNOFF (INCHES)	11.22	15.68	11.63	
10 PERCENT EXCEEDS	4100	7100	5020	
50 PERCENT EXCEEDS	350	290	200	
90 PERCENT EXCEEDS	140	66	0.00	

See Period of Record, partial years used in monthly statistics

a From Apr. 19 to May 18

b From May 11 to May 24

c No flow during winter months water years 1983 to 1995

d From rating curve extended above 10,000 ft³/s on basis of slope-area measurement of peak flow at 21.94 ft

e Estimated

f From floodmarks, backwater from ice and snow