

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 September 2004 (discontinued).

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 2003 TO SEPTEMBER 2004
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	8.5	2.4	1.5
2	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	7.6	1.7	0.92
3	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	7.8	3.4	0.74
4	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e16	7.9	8.2	0.59
5	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e9.8	7.1	2.7	0.43
6	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e12	6.8	1.4	e0.40
7	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e16	8.3	1.1	e0.60
8	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e28	8.1	1.5	0.78
9	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e53	8.9	2.7	0.52
10	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	42	6.0	3.0	0.33
11	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	33	8.0	1.8	0.28
12	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	31	9.9	1.5	0.24
13	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	33	8.1	1.9	0.15
14	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	35	8.3	1.4	e0.11
15	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	34	9.4	1.4	0.11
16	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	32	16	1.6	0.09
17	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	28	15	1.7	0.07
18	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	24	9.1	2.1	e0.06
19	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	21	6.5	3.0	e0.05
20	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	19	6.8	2.6	e0.06
21	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	17	5.3	2.0	0.04
22	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	15	4.9	1.3	0.03
23	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	13	4.8	1.0	0.06
24	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	13	3.8	0.98	1.8
25	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	13	3.5	0.68	6.3
26	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	13	3.6	0.54	7.9
27	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	12	3.0	0.80	e4.0
28	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	11	2.2	0.72	e1.0
29	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	10	1.6	1.2	e0.00
30	e0.00	e0.00	e0.00	e0.00	---	e0.00	e0.00	e0.00	8.4	3.2	0.58	e0.00
31	e0.00	---	e0.00	e0.00	---	e0.00	---	e0.00	---	5.0	2.5	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	592.20	215.0	59.40	29.16
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.7	6.94	1.92	0.97
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53	16	8.2	7.9
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.6	0.54	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1170	426	118	58
CFSM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.08	2.49	0.69	0.35
IN.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.90	2.87	0.79	0.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2004, BY WATER YEAR (WY)

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004			
MEAN	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	8.62	2.14	0.89	1.05																							
MAX	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.55	19.7	9.93	6.79	8.34																							
(WY)	1980	1972	1972	1972	1972	1972	1972	1972	1990	2004	1981	1994	1986																							
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.73	0.09	0.00	0.00																							
(WY)	1972	1972	1972	1972	1972	1972	1972	1972	1972	1992	1983	1983	1975																							

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1972 - 2004

ANNUAL TOTAL	253.36	895.76		
ANNUAL MEAN	0.69	2.45	1.08	
HIGHEST ANNUAL MEAN			2.45	2004
LOWEST ANNUAL MEAN			0.26	1992
HIGHEST DAILY MEAN	25	Jun 9	110	Jun 14 1994
LOWEST DAILY MEAN	a0.00	Jan 1	c0.00	Oct 1 1971
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1 1971
MAXIMUM PEAK FLOW			55	Jun 9
MAXIMUM PEAK STAGE			f	g34.36
ANNUAL RUNOFF (AC-FT)	503	1780	779	Jun 11 1994
ANNUAL RUNOFF (CFSM)	0.249	0.877	0.386	
ANNUAL RUNOFF (INCHES)	3.38	11.94	5.24	
10 PERCENT EXCEEDS	1.8	8.2	2.1	
50 PERCENT EXCEEDS	0.00	0.00	0.00	
90 PERCENT EXCEEDS	0.00	0.00	0.00	

- a From Jan. 1 to Jun 4 and Oct 01 to Dec 31
b From Oct. 1 to Jun 3, Sep 29 to Sep 30
c No flow during winter months and at times during summer months
d At site and datum then in use, flow over snow
e Estimated
f Undetermined
g 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.

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

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	3250	e1100	e250	e15	e3.0	e1.0	e0.00	e0.00	99100	5980	25600	13900
2	3350	e1000	e200	e15	e3.0	e1.0	e0.00	e0.00	89200	5260	79600	19500
3	18300	e1000	e200	e10	e3.0	e1.0	e0.00	e0.00	76800	4830	56000	36400
4	77500	e900	e150	e10	e3.0	e1.0	e0.00	e0.00	58900	4600	35500	48900
5	68300	e900	e150	e10	e3.0	e1.0	e0.00	e0.00	51100	4490	26400	39000
6	36400	e800	e150	e10	e3.0	e0.00	e0.00	e0.00	42500	4640	20000	30400
7	22700	e800	e100	e9.0	e3.0	e0.00	e0.00	e0.00	35200	5840	16700	23100
8	14700	e800	e100	e9.0	e3.0	e0.00	e0.00	e0.00	31200	10000	14800	17900
9	10600	e700	e100	e8.0	e3.0	e0.00	e0.00	e0.00	26300	13900	13300	14600
10	8790	e700	e90	e8.0	e3.0	e0.00	e0.00	e1.0	22500	17600	12600	12300
11	7990	e700	e80	e8.0	e2.0	e0.00	e0.00	e2.0	18400	27300	14400	10800
12	7260	e600	e70	e7.0	e2.0	e0.00	e0.00	e3.0	15800	35900	16600	9900
13	6520	e600	e60	e7.0	e2.0	e0.00	e0.00	e4.0	13800	28100	14400	9330
14	5430	e600	e60	e7.0	e2.0	e0.00	e0.00	e6.0	12500	20700	17500	8880
15	4550	e500	e50	e7.0	e2.0	e0.00	e0.00	e8.0	11500	15600	69900	8280
16	3970	e500	e50	e6.0	e2.0	e0.00	e0.00	e10	11300	12200	65000	7270
17	3310	e500	e40	e6.0	e2.0	e0.00	e0.00	e20	12200	9880	42900	6150
18	2620	e400	e40	e6.0	e2.0	e0.00	e0.00	e80	12400	8710	31600	5310
19	e2200	e400	e40	e6.0	e2.0	e0.00	e0.00	e400	11200	8580	26500	4610
20	e2000	e400	e30	e5.0	e2.0	e0.00	e0.00	e4000	10600	24800	22500	e4050
21	e1800	e400	e30	e5.0	e2.0	e0.00	e0.00	e20000	11000	49100	18900	e3900
22	e1700	e300	e30	e5.0	e2.0	e0.00	e0.00	e50000	8970	34400	16600	e3750
23	e1600	e300	e25	e5.0	e2.0	e0.00	e0.00	e100000	7920	26000	14900	e3600
24	e1500	e300	e25	e4.0	e2.0	e0.00	e0.00	227000	7420	20100	13800	e3450
25	e1400	e300	e25	e4.0	e1.0	e0.00	e0.00	199000	6950	15800	13000	e3250
26	e1400	e300	e20	e4.0	e1.0	e0.00	e0.00	194000	7030	12600	12700	e3100
27	e1300	e250	e20	e4.0	e1.0	e0.00	e0.00	134000	9470	10600	12600	e2900
28	e1300	e250	e20	e4.0	e1.0	e0.00	e0.00	93400	10800	9630	12200	e2700
29	e1200	e250	e15	e3.0	e1.0	e0.00	e0.00	92900	9010	9310	11500	e2500
30	e1200	e250	e15	e3.0	---	e0.00	e0.00	92200	7160	8980	11100	e2200
31	e1100	---	e15	e3.0	---	e0.00	---	98700	---	9090	12000	---
TOTAL	325240	16800	2250	213.0	63.0	5.00	0.00	1305734.00	748230	474520	771100	361930
MEAN	10490	560	72.6	6.87	2.17	0.16	0.00	42120	24940	15310	24870	12060
MAX	77500	1100	250	15	3.0	1.0	0.00	227000	99100	49100	79600	48900
MIN	1100	250	15	3.0	1.0	0.00	0.00	0.00	6950	4490	11100	2200
AC-FT	645100	33320	4460	422	125	9.9	0.00	2590000	1484000	941200	1529000	717900
CFSM	0.76	0.04	0.01	0.00	0.00	0.00	0.00	3.05	1.80	1.11	1.80	0.87
IN.	0.87	0.05	0.01	0.00	0.00	0.00	0.00	3.51	2.01	1.28	2.07	0.97

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)#

	2002	2003	2004	2002	2003	2004	2002	2003	2004	2002	2003	2004
MEAN	8856	702	86.4	5.21	1.11	0.08	0.00	21410	46350	19670	28340	15280
MAX	10490	844	100	6.87	2.17	0.16	0.00	42120	67760	24030	31800	21030
(WY)	2004	2003	2003	2004	2004	2004	2003	2004	2003	2003	2003	2002
MIN	7221	560	72.6	3.55	0.00	0.00	0.00	690	24940	15310	24870	12060
(WY)	2003	2004	2004	2003	2003	2003	2003	2003	2004	2004	2004	2004

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

15875000 COLVILLE RIVER AT UMIAT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 2002 - 2004#
ANNUAL TOTAL	4512170.50	4006085.00	
ANNUAL MEAN	12360	10950	11530
HIGHEST ANNUAL MEAN			12110 2003
LOWEST ANNUAL MEAN			10950 2004
HIGHEST DAILY MEAN	225000 Jun 10	227000 May 24	227000 May 24 2004
LOWEST DAILY MEAN	a0.00 Jan 19	b0.00 Mar 6	c0.00 Jan 19 2003
ANNUAL SEVEN-DAY MINIMUM	0.00 Jan 19	0.00 Mar 6	0.00 Jan 19 2003
MAXIMUM PEAK FLOW		261000 May 24	261000 May 24 2004
MAXIMUM PEAK STAGE		58.86 May 24	58.86 May 24 2004
ANNUAL RUNOFF (AC-FT)	8950000	7946000	8351000
ANNUAL RUNOFF (CFSM)	0.894	0.791	0.833
ANNUAL RUNOFF (INCHES)	12.14	10.78	11.32
10 PERCENT EXCEEDS	33500	27500	29600
50 PERCENT EXCEEDS	400	400	500
90 PERCENT EXCEEDS	0.00	0.00	0.00

See Period of Record, partial years used in monthly statistics

a Jan. 19 to May 8

b Mar. 6 to May 9

c No flow during winter months

ARCTIC SLOPE ALASKA

15875000 COLVILLE RIVER AT UMIAT—Continued

WATER TEMPERATURE, (DEGREES CELSIUS), WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	0.5	0.0	0.0
24	---	---	---	---	---	---	---	---	---	1.0	0.0	0.5
25	---	---	---	---	---	---	---	---	---	1.0	0.5	1.0
26	---	---	---	---	---	---	---	---	---	1.0	0.5	0.5
27	---	---	---	---	---	---	---	---	---	1.5	0.5	0.5
28	---	---	---	---	---	---	---	---	---	2.0	1.5	1.5
29	---	---	---	---	---	---	---	---	---	3.0	2.0	2.0
30	---	---	---	---	---	---	---	---	---	4.0	3.0	3.0
31	---	---	---	---	---	---	---	---	---	7.0	4.0	4.5
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7.0	5.5	6.5	15.0	13.0	14.0	12.0	10.0	11.0	11.0	9.5	10.0
2	7.5	6.5	7.0	18.5	13.5	16.0	10.5	10.0	10.5	10.0	8.0	9.5
3	9.0	7.0	8.0	18.0	15.5	16.5	11.5	10.5	11.0	8.0	7.0	7.0
4	10.5	8.0	9.0	16.0	14.0	15.0	13.0	10.5	11.5	7.0	6.0	6.5
5	11.5	9.5	10.5	16.0	12.0	13.5	14.0	12.5	13.0	6.5	6.0	6.0
6	11.5	10.0	11.0	15.5	11.5	13.5	15.0	13.0	14.0	6.5	5.5	6.0
7	11.5	10.0	11.0	14.5	13.0	14.0	16.0	14.5	15.0	7.5	6.0	6.5
8	11.5	10.0	11.0	14.0	12.0	13.0	16.5	14.5	15.5	9.0	7.5	8.0
9	11.0	9.5	10.0	13.5	12.5	13.0	16.5	15.0	15.5	8.0	7.5	7.5
10	10.0	8.5	9.0	12.5	12.0	12.0	15.5	14.5	15.0	8.5	7.0	7.5
11	9.5	8.5	9.0	14.0	11.5	13.0	15.5	14.0	15.0	8.0	6.5	7.0
12	9.0	8.0	8.5	14.0	13.5	13.5	15.0	14.0	14.5	7.5	5.5	6.5
13	11.0	8.0	9.5	14.5	13.0	14.0	15.0	14.0	14.5	7.0	6.0	6.5
14	13.0	9.5	11.0	15.5	14.0	14.5	15.0	13.5	14.0	7.0	5.0	6.0
15	14.5	12.0	13.5	16.0	15.0	15.5	14.5	13.5	14.0	7.0	5.0	6.0
16	16.0	13.5	14.5	15.0	14.5	15.0	15.5	14.0	14.5	7.0	5.0	6.0
17	15.5	14.5	15.0	16.0	14.5	15.5	16.5	15.0	15.5	8.0	5.5	6.5
18	15.5	11.5	14.0	17.0	15.5	16.5	17.5	16.0	16.5	8.0	4.5	6.0
19	15.0	13.5	14.5	16.5	14.5	15.5	17.5	16.5	17.0	---	---	---
20	15.5	14.0	15.0	15.0	14.0	14.5	17.0	15.5	16.0	---	---	---
21	15.0	13.5	14.5	14.0	12.5	13.0	16.5	14.5	15.5	---	---	---
22	16.5	13.5	15.0	15.0	12.5	14.0	17.0	15.5	16.0	---	---	---
23	16.5	15.0	15.5	17.0	14.5	15.5	16.0	13.0	14.5	---	---	---
24	16.0	15.0	15.5	17.5	15.5	16.5	13.0	11.5	12.0	---	---	---
25	15.0	14.5	14.5	18.0	16.0	17.0	12.0	10.5	11.0	---	---	---
26	15.5	13.5	14.5	18.5	16.5	17.5	11.0	10.0	10.5	---	---	---
27	16.5	13.5	15.0	18.0	17.0	17.0	10.5	9.5	10.0	---	---	---
28	17.0	15.0	16.0	17.0	14.0	15.5	12.5	9.5	10.5	---	---	---
29	17.0	14.5	15.5	14.5	13.0	13.5	11.5	10.0	10.5	---	---	---
30	16.0	14.0	15.0	14.0	12.5	13.5	11.0	10.0	10.5	---	---	---
31	---	---	---	14.0	12.0	13.0	12.0	10.0	11.0	---	---	---
MONTH	17.0	5.5	12.3	18.5	11.5	14.6	17.5	9.5	13.4	---	---	---

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 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 auffs in the vicinity of springs. Flow may cease at other points. GOES satellite telemetry at station.

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	e1000	e200	e20	e0.0	e0.0	e0.0	e0.0	e0.0	e26000	1370	1860	1660
2	e950	e190	e15	e0.0	e0.0	e0.0	e0.0	e0.0	e28000	1270	8010	2590
3	e900	e180	e15	e0.0	e0.0	e0.0	e0.0	e0.0	e30000	1170	12700	6180
4	e850	e170	e15	e0.0	e0.0	e0.0	e0.0	e0.0	e29000	1090	8970	8230
5	e800	e160	e10	e0.0	e0.0	e0.0	e0.0	e0.0	e26500	1040	7090	8030
6	e760	e160	e10	e0.0	e0.0	e0.0	e0.0	e0.0	24600	1010	6260	7240
7	e720	e150	e9.0	e0.0	e0.0	e0.0	e0.0	e0.0	19400	1020	4660	6080
8	e680	e140	e8.0	e0.0	e0.0	e0.0	e0.0	e0.0	16000	1020	3500	4870
9	e640	e130	e7.0	e0.0	e0.0	e0.0	e0.0	e0.0	12900	1250	2720	3930
10	e620	e120	e6.0	e0.0	e0.0	e0.0	e0.0	e0.0	9370	2410	2190	3280
11	e580	e110	e5.0	e0.0	e0.0	e0.0	e0.0	e0.0	7110	3070	1830	2850
12	e550	e110	e5.0	e0.0	e0.0	e0.0	e0.0	e0.0	5910	5610	1590	2660
13	e520	e100	e4.0	e0.0	e0.0	e0.0	e0.0	e0.0	5220	8340	1520	2480
14	e500	e95	e4.0	e0.0	e0.0	e0.0	e0.0	e0.0	4960	6440	1460	2260
15	e470	e85	e3.0	e0.0	e0.0	e0.0	e0.0	e0.0	4570	4530	1650	2020
16	e450	e80	e3.0	e0.0	e0.0	e0.0	e0.0	e0.0	4000	3340	3030	1810
17	e430	e75	e2.0	e0.0	e0.0	e0.0	e0.0	e0.0	3600	2590	4110	1620
18	e410	e65	e2.0	e0.0	e0.0	e0.0	e0.0	e0.0	3370	2110	3440	1480
19	e390	e60	e2.0	e0.0	e0.0	e0.0	e0.0	e10	2890	1760	2760	1350
20	e370	e55	e2.0	e0.0	e0.0	e0.0	e0.0	e50	2590	1550	2300	1240
21	e350	e50	e1.0	e0.0	e0.0	e0.0	e0.0	e300	2310	2490	2010	1150
22	e330	e45	e1.0	e0.0	e0.0	e0.0	e0.0	e1000	2020	4460	1820	1080
23	e310	e45	e1.0	e0.0	e0.0	e0.0	e0.0	e1800	1810	3460	1650	1030
24	e300	e40	e1.0	e0.0	e0.0	e0.0	e0.0	e3000	1680	2730	1550	989
25	e290	e35	e1.0	e0.0	e0.0	e0.0	e0.0	e5000	1570	2110	1470	e930
26	e270	e30	e0.0	e0.0	e0.0	e0.0	e0.0	e8000	1550	1730	1410	e890
27	e260	e30	e0.0	e0.0	e0.0	e0.0	e0.0	e11000	1490	1480	1380	e850
28	e250	e25	e0.0	e0.0	e0.0	e0.0	e0.0	e15000	1630	1320	1400	e810
29	e240	e25	e0.0	e0.0	e0.0	e0.0	e0.0	e19000	1730	1190	1430	e780
30	e220	e20	e0.0	e0.0	---	e0.0	e0.0	e22000	1550	1130	1390	e760
31	e210	---	e0.0	e0.0	---	e0.0	---	e24000	---	1320	1440	---
TOTAL	15620	2780	152.0	0.0	0.0	0.0	0.0	110160.0	283330	75410	98600	81129
MEAN	504	92.7	4.90	0.00	0.00	0.00	0.00	3554	9444	2433	3181	2704
MAX	1000	200	20	0.0	0.0	0.0	0.0	24000	30000	8340	12700	8230
MIN	210	20	0.0	0.0	0.0	0.0	0.0	0.0	1490	1010	1380	760
MED	450	82	3.0	0.0	0.0	0.0	0.0	0.0	4280	1730	1860	1740
AC-FT	30980	5510	301	0.00	0.00	0.00	0.00	218500	562000	149600	195600	160900
CFSM	0.16	0.03	0.00	0.00	0.00	0.00	0.00	1.14	3.02	0.78	1.02	0.86
IN.	0.19	0.03	0.00	0.00	0.00	0.00	0.00	1.31	3.37	0.90	1.17	0.96

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2004, BY WATER YEAR (WY)#

	MEAN	287	24.4	2.75	0.93	0.91	0.91	0.91	1698	10390	1220	1838	1624
MAX	1675	174	24.3	10.0	10.0	10.0	10.0	10.0	8877	26360	3309	5229	4863
(WY)	2003	1973	1973	1972	1972	1972	1972	1972	1996	1982	2003	2002	1997
MIN	10.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	726	300	127	192	
(WY)	1975	1977	1977	1976	1976	1975	1975	1975	1990	1971	1990	1974	

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1971 - 2004#
ANNUAL TOTAL	559972.0	667181.0	
ANNUAL MEAN	1534	1823	1408
HIGHEST ANNUAL MEAN			2304
LOWEST ANNUAL MEAN			658
HIGHEST DAILY MEAN	43000	30000	100000
LOWEST DAILY MEAN	a0.0	b0.0	c0.0
ANNUAL SEVEN-DAY MINIMUM	0.00	0.00	0.00
MAXIMUM PEAK FLOW		d	118000
MAXIMUM PEAK STAGE		f35.65	37.60
ANNUAL RUNOFF (AC-FT)	1111000	1323000	1020000
ANNUAL RUNOFF (CFSM)	0.490	0.582	0.450
ANNUAL RUNOFF (INCHES)	6.66	7.93	6.11
10 PERCENT EXCEEDS	3650	4600	2910
50 PERCENT EXCEEDS	25	58	10
90 PERCENT EXCEEDS	0.00	0.00	0.00

See Period of Record, partial years used in monthly statistics

a From Dec. 29, 2002 to May 29, 2003

b From Dec. 26 to May 18

c No flow during winter months

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

e Estimated

f Backwater from snow and ice

15906000 SAGAVANIRK TOK 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 good except for estimated daily discharges, which are poor.

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	e30	e1.6	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	32	4.7	233	16
2	e70	e1.5	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	27	4.1	158	18
3	e55	e1.4	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	24	3.7	208	17
4	e44	e1.3	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	24	3.5	177	16
5	e38	e1.2	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	20	3.5	108	15
6	e33	e1.1	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	17	8.5	74	15
7	e28	e1.0	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	15	13	56	14
8	e24	e0.90	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	13	24	46	14
9	e20	e0.80	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	12	52	38	13
10	e17	e0.60	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	10	246	33	15
11	e15	e0.40	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	9.5	306	31	16
12	e13	e0.20	e0.00	e0.00	e0.00	e0.00	e0.00	e0.20	8.7	147	29	15
13	e11	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.50	8.1	88	39	14
14	e10	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.80	7.9	e64	91	e12
15	e8.5	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e1.5	11	e48	73	e10
16	e7.5	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e3.0	17	40	55	e8.4
17	e6.8	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e5.0	16	40	44	e7.5
18	e6.0	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e8.0	12	42	37	e6.6
19	e5.3	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e12	9.3	40	33	e6.0
20	e4.8	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e20	7.6	38	30	e5.2
21	e4.3	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e30	6.7	36	27	e4.3
22	e3.8	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e60	6.4	34	25	e3.6
23	e3.4	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	111	6.2	32	23	e3.1
24	e3.1	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	154	5.8	29	23	e2.7
25	e2.8	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	138	5.6	25	22	e2.3
26	e2.5	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	93	6.4	22	21	e2.0
27	e2.3	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	75	6.4	20	19	e1.7
28	e2.1	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	63	5.8	27	18	e1.4
29	e1.9	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	51	5.3	33	17	e1.1
30	e1.8	e0.00	e0.00	e0.00	---	e0.00	e0.00	44	5.0	33	17	e0.90
31	e1.7	---	e0.00	e0.00	---	e0.00	---	38	---	142	17	---
TOTAL	476.6	12.00	0.00	0.00	0.00	0.00	0.00	908.00	360.7	1649.0	1822	276.80
MEAN	15.4	0.40	0.00	0.00	0.00	0.00	0.00	29.3	12.0	53.2	58.8	9.23
MAX	70	1.6	0.00	0.00	0.00	0.00	0.00	154	32	306	233	18
MIN	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.0	3.5	17	0.90
AC-FT	945	24	0.00	0.00	0.00	0.00	0.00	1800	715	3270	3610	549
CFSM	0.54	0.01	0.00	0.00	0.00	0.00	0.00	1.03	0.42	1.87	2.07	0.32
IN.	0.62	0.02	0.00	0.00	0.00	0.00	0.00	1.19	0.47	2.16	2.39	0.36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)#

MEAN	3.51	0.03	0.00	0.00	0.00	0.00	0.00	33.4	55.8	38.7	53.7	26.9
MAX	15.4	0.40	0.00	0.00	0.00	0.00	0.01	95.6	150	84.3	111	77.4
(WY)	2004	2004	1988	1988	1988	1988	2003	1995	1992	2003	2002	1997
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	10.4	8.19	3.17	9.23
(WY)	1988	1988	1988	1988	1988	1988	1988	2001	1988	1990	1990	2004

SUMMARY STATISTICS FOR 2003 CALENDAR YEAR FOR 2004 WATER YEAR WATER YEARS 1988 - 2004#

ANNUAL TOTAL	11088.70	5505.10		
ANNUAL MEAN	30.4	15.0	18.0	
HIGHEST ANNUAL MEAN			29.4	2003
LOWEST ANNUAL MEAN			7.49	1988
HIGHEST DAILY MEAN	526	Jun 6	306	Jul 11
LOWEST DAILY MEAN	a0.00	Jan 1	b0.00	Nov 13
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Nov 13
MAXIMUM PEAK FLOW			392	Jul 11
MAXIMUM PEAK STAGE			20.27	Jul 11
ANNUAL RUNOFF (AC-FT)	21990	10920	13030	
ANNUAL RUNOFF (CFSM)	1.07	0.530	0.633	
ANNUAL RUNOFF (INCHES)	14.52	7.21	8.60	
10 PERCENT EXCEEDS	76	39	50	
50 PERCENT EXCEEDS	0.00	0.30	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 Apr. 24 and from Apr. 27 to May 25

b From Nov. 13 to May 11

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.

REVISED RECORDS-- WDR AK-03-1:1991(M), 1992(M), 1999(M).

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.

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	e1500	e580	e190	e80	e18	e1.0	e1.0	e1.0	e13000	2960	13100	2120
2	e4000	e570	e180	e80	e18	e1.0	e1.0	e1.0	e14000	3130	10000	2350
3	e3900	e570	e170	e75	e16	e1.0	e1.0	e1.0	e14000	3000	10400	2210
4	e3000	e560	e170	e75	e14	e1.0	e1.0	e1.0	e12000	2860	14200	2120
5	e2500	e550	e170	e70	e14	e1.0	e1.0	e1.0	e9000	2950	9210	2010
6	e2200	e540	e160	e70	e14	e1.0	e1.0	e1.0	e8000	5130	6770	1810
7	e1900	e530	e160	e65	e12	e1.0	e1.0	e1.0	e7000	6270	5440	1690
8	e1700	e510	e160	e60	e12	e1.0	e1.0	e1.0	e6200	6670	4780	1620
9	e1600	e480	e160	e60	e10	e1.0	e1.0	e20	5800	5630	4500	1580
10	e1500	e450	e160	e55	e10	e1.0	e1.0	e60	4760	14000	4090	1550
11	e1400	e430	e150	e55	e10	e1.0	e1.0	e120	4870	21100	3780	1530
12	e1300	e410	e150	e50	e8.0	e1.0	e1.0	e110	5160	14000	3470	1480
13	e1300	e390	e150	e48	e8.0	e1.0	e1.0	e100	4580	8550	3540	1410
14	e1200	e370	e150	e46	e8.0	e1.0	e1.0	e130	4090	6170	5870	1340
15	e1100	e360	e140	e44	e6.0	e1.0	e1.0	e180	4320	5120	6760	1220
16	e1000	e350	e140	e42	e6.0	e1.0	e1.0	e250	4830	4510	5770	1190
17	e1000	e340	e140	e40	e6.0	e1.0	e1.0	e350	5030	4590	5100	1100
18	e960	e320	e140	e38	e4.0	e1.0	e1.0	e450	4530	4750	4790	e1000
19	e920	e310	e130	e36	e4.0	e1.0	e1.0	e550	3860	5190	4350	e980
20	e880	e290	e130	e34	e4.0	e1.0	e1.0	e750	3560	5580	4050	e1000
21	e840	e280	e130	e32	e4.0	e1.0	e1.0	e1000	3650	6770	3880	e1000
22	e800	e260	e120	e30	e2.0	e1.0	e1.0	e1500	3930	6800	3650	e900
23	e780	e250	e120	e30	e2.0	e1.0	e1.0	e2500	3450	6520	3460	e960
24	e740	e240	e110	e28	e2.0	e1.0	e1.0	e4000	3490	5480	3330	e930
25	e710	e230	e110	e28	e2.0	e1.0	e1.0	e6000	3440	4630	3130	e870
26	e680	e220	e100	e26	e2.0	e1.0	e1.0	e9000	3680	4130	2970	e900
27	e660	e210	e100	e24	e1.0	e1.0	e1.0	e10000	3190	3920	2770	e950
28	e640	e210	e95	e22	e1.0	e1.0	e11	e9000	2710	4300	2550	e900
29	e620	e200	e95	e22	e1.0	e1.0	e1.0	e9000	2710	4950	2400	e870
30	e600	e190	e90	e20	---	e1.0	e1.0	e10000	2820	4710	2340	e840
31	e590	---	e85	e20	---	e1.0	---	e11000	---	6780	2200	---
TOTAL	42520	11200	4255	1405	219.0	31.0	30.0	76078.0	171660	191150	162650	40430
MEAN	1372	373	137	45.3	7.55	1.00	1.00	2454	5722	6166	5247	1348
MAX	4000	580	190	80	18	1.0	1.0	11000	14000	21100	14200	2350
MIN	590	190	85	20	1.0	1.0	1.0	1.0	2710	2860	2200	840
AC-FT	84340	22220	8440	2790	434	61	60	150900	340500	379100	322600	80190
CFSM	0.74	0.20	0.07	0.02	0.00	0.00	0.00	1.32	3.08	3.32	2.82	0.72
IN.	0.85	0.22	0.09	0.03	0.00	0.00	0.00	1.52	3.43	3.82	3.25	0.81

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2004, 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	2004	
MEAN	622	227	90.8	47.9	31.6	26.2	26.3	1264	5884	4933	4103	1905												
MAX	1372	402	233	180	154	143	136	3588	9737	7370	6355	3984												
(WY)	2004	2003	1998	1998	2002	2002	2002	1993	1992	1995	2003	1997												
MIN	279	76.0	4.03	0.00	0.00	0.00	0.00	4.77	3304	2839	1897	883												
(WY)	1983	1984	1991	1983	1983	1983	1984	1986	2002	1991	1990	1983												

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

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1982 - 2004#	
ANNUAL TOTAL	794769		701628.0			
ANNUAL MEAN	2177		1917		1606	
HIGHEST ANNUAL MEAN					2148 2003	
LOWEST ANNUAL MEAN					993 1983	
HIGHEST DAILY MEAN	16100		21100		33000 Aug 16 2002	
LOWEST DAILY MEAN	a58	Aug 13	b1.0	Jul 11	c0.00	Dec 25 1982
ANNUAL SEVEN-DAY MINIMUM	58	May 11	1.0	Feb 27	0.00	Dec 25 1982
MAXIMUM PEAK FLOW			24200		d48300 Aug 16 2002	
MAXIMUM PEAK STAGE			19.55		21.94 Aug 16 2002	
MAXIMUM PEAK STAGE			f25.42		f25.68 Jun 8 2000	
ANNUAL RUNOFF (AC-FT)	1576000		1392000		1163000	
ANNUAL RUNOFF (CFSM)	1.17		1.03		0.863	
ANNUAL RUNOFF (INCHES)	15.90		14.03		11.73	
10 PERCENT EXCEEDS	7100		5670		5050	
50 PERCENT EXCEEDS	200		350		200	
90 PERCENT EXCEEDS	66		1.0		0.00	

See Period of Record, partial years used in monthly statistics

a From May 11 to May 24

b From Feb. 27 to May 8

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

f From floodmarks, backwater from ice and snow