

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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.10	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e4.6	2.5	0.17	e0.00
2	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e7.3	2.7	0.13	e0.00
3	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e7.2	2.4	0.12	0.10
4	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	6.3	2.1	0.10	0.22
5	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	6.5	1.8	0.10	0.49
6	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	7.1	1.7	0.10	0.30
7	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	7.1	1.7	0.10	0.18
8	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	7.2	1.3	0.10	0.15
9	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	6.9	1.1	0.10	0.15
10	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	6.4	0.83	e0.00	0.26
11	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	6.0	0.74	e0.00	0.94
12	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	5.5	0.63	e0.00	0.55
13	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	5.1	0.54	e0.00	0.36
14	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	3.5	0.52	e0.00	0.35
15	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	3.6	0.53	4.8	0.31
16	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	4.5	0.51	1.2	0.27
17	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	4.0	0.44	0.19	0.25
18	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	3.5	0.38	0.13	0.34
19	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	3.1	0.34	0.12	0.52
20	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	3.6	0.30	0.10	0.56
21	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	3.4	0.28	0.10	2.4
22	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	3.4	0.28	0.10	0.99
23	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e14	3.6	0.26	e0.00	5.9
24	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e13	3.3	0.23	e0.00	1.0
25	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e16	2.7	0.23	e0.00	0.32
26	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e18	2.6	0.22	e0.00	0.32
27	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e12	4.1	0.18	e0.00	0.35
28	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e0.00	e3.7	3.5	0.17	e0.00	0.34
29	e0.00	e0.00	e0.00	e0.00	---	e0.00	e0.00	e3.0	2.9	0.15	e0.00	0.59
30	e0.00	e0.00	e0.00	e0.00	---	e0.00	e0.00	e3.3	2.5	0.14	e0.00	0.33
31	e0.00	---	e0.00	e0.00	---	e0.00	---	e2.2	---	0.17	e0.00	---
TOTAL	0.10	0.00	0.00	0.00	0.00	0.00	0.00	85.20	141.0	25.37	7.76	18.84
MEAN	0.003	0.000	0.000	0.000	0.000	0.000	0.000	2.748	4.700	0.818	0.250	0.628
MAX	0.10	0.00	0.00	0.00	0.00	0.00	0.00	18	7.3	2.7	4.8	5.9
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.5	0.14	0.00	0.00
AC-FT	0.2	0.00	0.00	0.00	0.00	0.00	0.00	169	280	50	15	37
CFSM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	1.68	0.29	0.09	0.23
IN.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14	1.88	0.34	0.10	0.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2002, BY WATER YEAR (WY)#

	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.278	8.401	2.004	0.878	1.012
MEAN	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.278	8.401	2.004	0.878	1.012
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	1972	1992	1983	1983	1975

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1972 - 2002

ANNUAL TOTAL	409.40	278.27	
ANNUAL MEAN	1.122	0.762	1.044
HIGHEST ANNUAL MEAN			2.26 1989
LOWEST ANNUAL MEAN			0.26 1992
HIGHEST DAILY MEAN	70 Jun 14	18 May 26	110 Jun 14 1994
LOWEST DAILY MEAN	a0.00 Jan 1	b0.00 Oct 2	c0.00 Oct 1 1971
ANNUAL SEVEN-DAY MINIMUM	0.00 Jan 1	0.00 Oct 2	0.00 Oct 1 1971
MAXIMUM PEAK FLOW		19 May 25	131 Jun 10 1980
MAXIMUM PEAK STAGE		fg33.67 May 21	g34.36 Jun 11 1994
ANNUAL RUNOFF (AC-FT)	812	552	756
ANNUAL RUNOFF (CFSM)	0.40	0.27	0.37
ANNUAL RUNOFF (INCHES)	5.46	3.71	5.08
10 PERCENT EXCEEDS	1.7	2.9	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 Jun. 9 and Oct. 2 to Dec. 31

b From Oct. 2 to May 22, Aug. 10-14 23-31, and Sept. 1-2

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 Maximum observed but may have been higher prior to gage startup, May 21-23

g Backwater from snow and ice

15896000 KUPARUK RIVER NEAR DEADHORSE—Continued

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1971 - 2002#	
ANNUAL TOTAL	512231.0		608109.0			
ANNUAL MEAN	1403		1666		1388	
HIGHEST ANNUAL MEAN					2304	
LOWEST ANNUAL MEAN					658	
HIGHEST DAILY MEAN	55000 Jun 10		50000 May 24		100000 Jun 7 1978	
LOWEST DAILY MEAN	a0.0 Jan 1		b0.0 Dec 23		c0.0 Mar 1 1975	
ANNUAL SEVEN-DAY MINIMUM	0.00 Jan 1		0.00 Dec 23		0.00 Mar 1 1975	
MAXIMUM PEAK FLOW			d		118000 Jun 7 1978	
MAXIMUM PEAK STAGE			f36.58 May 23		37.60 Jun 7 1978	
ANNUAL RUNOFF (AC-FT)	1016000		1206000		1005000	
ANNUAL RUNOFF (CFPM)	0.45		0.53		0.44	
ANNUAL RUNOFF (INCHES)	6.09		7.23		6.02	
10 PERCENT EXCEEDS	2290		3650		2780	
50 PERCENT EXCEEDS	7.0		22		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 Jun. 5

b From Dec. 23 to May 20

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 From Floddmarks, backwater from snow and ice

