

NORTHWEST ALASKA

15743850 DAHL CREEK NEAR KOBUK

LOCATION.--Lat 66°56'46", long 156°54'32", in NW¹/₄ SE¹/₄ sec. 21, T. 18 N., R.9 E. (Shungnak D-2 quad), Hydrologic Unit 19050302, on right bank 25 ft downstream from bridge on road to Bornite at west end of Dahl Creek landing strip, 3.5 mi upstream from mouth, 3 mi north of Kobuk, and 7.3 miles northeast of Shungnak.

DRAINAGE AREA.--11.0 mi².

PERIOD OF RECORD.--Annual maximum, water years 1986-87, April 1988 to current year. (No winter record in water years 1989, 1991-92, 1994, 1996 and 2005.)

REVISED RECORDS.--WDR AK-88-1: 1986(M).

GAGE.--Water-stage recorder. Elevation of gage is 225 ft above sea level, from topographic map. July 16, 1986, to April 28, 1988, the water-stage recorder was operated to obtain annual maximums. Prior to August 17, 1994 at site 50 ft upstream at same datum.

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

EXTREMES FOR PERIOD OF RECORD.-- Maximum discharge, 1840 ft³/s, August 17, 1994, gage height 6.73 ft, from rating curve extended above 170 ft³/s on basis of slope-area measurement of peak flow; minimum not determined, occurs during winter.

EXTREMES FOR CURRENT PERIOD.--Maximum discharge, 192 ft³/s, May 30, gage height 5.32 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	18	---	---	---	---	---	---	15	155	35	34	30
2	17	---	---	---	---	---	---	17	144	35	33	31
3	17	---	---	---	---	---	---	17	137	34	32	31
4	17	---	---	---	---	---	---	15	127	33	31	30
5	17	---	---	---	---	---	---	16	115	31	33	30
6	16	---	---	---	---	---	---	21	107	31	39	30
7	16	---	---	---	---	---	---	29	99	30	40	30
8	16	---	---	---	---	---	---	38	93	30	37	29
9	16	---	---	---	---	---	---	43	88	31	35	30
10	16	---	---	---	---	---	---	47	83	43	34	30
11	16	---	---	---	---	---	---	58	80	52	33	31
12	15	---	---	---	---	---	---	72	79	107	33	37
13	15	---	---	---	---	---	---	97	76	76	32	56
14	15	---	---	---	---	---	---	112	73	66	31	75
15	15	---	---	---	---	---	---	118	70	61	31	66
16	15	---	---	---	---	---	---	109	68	59	31	63
17	15	---	---	---	---	---	---	103	66	56	30	78
18	14	---	---	---	---	---	---	110	63	54	30	72
19	15	---	---	---	---	---	---	100	64	52	29	69
20	15	---	---	---	---	---	---	102	59	50	29	68
21	15	---	---	---	---	---	---	108	55	48	29	66
22	14	---	---	---	---	---	---	113	52	46	29	67
23	14	---	---	---	---	---	---	113	49	44	30	78
24	14	---	---	---	---	---	---	114	47	43	31	70
25	e14	---	---	---	---	---	---	122	45	41	32	69
26	14	---	---	---	---	---	---	138	41	40	31	69
27	14	---	---	---	---	---	---	e10 157	39	39	30	68
28	13	---	---	---	---	---	---	e11 159	38	38	31	67
29	e12	---	---	---	---	---	---	e13 163	37	37	33	65
30	e11	---	---	---	---	---	---	14 170	36	36	31	62
31	e10	---	---	---	---	---	---	163	---	35	31	---
TOTAL	461	---	---	---	---	---	---	2759	2285	1413	995	1597
MEAN	14.9	---	---	---	---	---	---	89.0	76.2	45.6	32.1	53.2
MAX	18	---	---	---	---	---	---	170	155	107	40	78
MIN	10	---	---	---	---	---	---	15	36	30	29	29
AC-FT	914	---	---	---	---	---	---	5470	4530	2800	1970	3170
CFSM	1.35	---	---	---	---	---	---	8.09	6.92	4.14	2.92	4.84
IN.	1.56	---	---	---	---	---	---	9.33	7.73	4.78	3.36	5.40

e Estimated