

# NORTHWEST ALASKA

## 15746991 IKALUKROK CREEK BELOW RED DOG CREEK NEAR KIVALINA

LOCATION.--Lat 68°02'51", long 163°01'34", in NE<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> sec.33, T.31 N., R.19 W. (Delong Mountains A-2 quad) Northwest Arctic Borough, Hydrologic Unit 19050404, on left bank about 3.5 mi downstream from the mouth of Red Dog Creek, 2.5 mi upstream from the mouth of Dudd Creek, and 45 mi northeast of Kivalina.

DRAINAGE AREA.--98.6 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1995 to current year (no winter record).

GAGE.--Water-stage recorder. Elevation of gage is 650 ft above sea level, from topographic map. Prior to June 1, 1998 at site 1 mi upstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Runoff from 3.6 mi<sup>2</sup> is impounded in tailings ponds and released intermittently at a maximum rate of 25 ft<sup>3</sup>/s. Meteor-burst telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, undetermined, July 25, 1996; gage height, 12.22 ft, at site and datum then in use.

EXTREMES FOR CURRENT PERIOD.--Maximum discharge, 4950 ft<sup>3</sup>/s, August 9, gage height, 12.18 ft; minimum not determined, occurs during the 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	278	---	---	---	---	---	---	---	e520	211	231	230
2	532	---	---	---	---	---	---	---	e560	199	208	214
3	419	---	---	---	---	---	---	---	518	189	197	190
4	e310	---	---	---	---	---	---	---	426	174	196	177
5	---	---	---	---	---	---	---	---	483	213	187	169
6	---	---	---	---	---	---	---	---	429	308	187	158
7	---	---	---	---	---	---	---	---	400	266	192	147
8	---	---	---	---	---	---	---	---	362	259	1140	140
9	---	---	---	---	---	---	---	---	336	243	2460	139
10	---	---	---	---	---	---	---	---	321	226	1140	e130
11	---	---	---	---	---	---	---	---	281	209	704	e120
12	---	---	---	---	---	---	---	---	260	194	654	e110
13	---	---	---	---	---	---	---	---	247	188	1130	e105
14	---	---	---	---	---	---	---	---	289	180	763	e100
15	---	---	---	---	---	---	---	---	252	172	630	e95
16	---	---	---	---	---	---	---	---	237	162	523	e85
17	---	---	---	---	---	---	---	---	394	167	425	e80
18	---	---	---	---	---	---	---	---	333	188	363	e75
19	---	---	---	---	---	---	---	---	392	175	303	e70
20	---	---	---	---	---	---	---	---	459	167	263	e65
21	---	---	---	---	---	---	---	---	322	160	244	e63
22	---	---	---	---	---	---	---	---	296	153	216	e61
23	---	---	---	---	---	---	---	---	351	149	208	e60
24	---	---	---	---	---	---	---	---	446	143	201	e58
25	---	---	---	---	---	---	---	---	399	136	180	e54
26	---	---	---	---	---	---	---	---	373	136	174	e50
27	---	---	---	---	---	---	---	---	316	139	167	e50
28	---	---	---	---	---	---	---	---	270	137	161	e50
29	---	---	---	---	---	---	---	---	246	137	153	e50
30	---	---	---	---	---	---	---	---	227	137	147	e50
31	---	---	---	---	---	---	---	---	---	237	175	---
TOTAL	---	---	---	---	---	---	---	---	10745	5754	13922	3145
MEAN	---	---	---	---	---	---	---	---	358	186	449	105
MAX	---	---	---	---	---	---	---	---	560	308	2460	230
MIN	---	---	---	---	---	---	---	---	227	136	147	50
AC-FT	---	---	---	---	---	---	---	---	21310	11410	27610	6240
CFSM	---	---	---	---	---	---	---	---	3.75	1.95	4.71	1.10
IN.	---	---	---	---	---	---	---	---	4.19	2.24	5.43	1.23

### STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2004, BY WATER YEAR (WY)

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004		
MEAN	59.9	12.5	---	---	---	---	---	112	451	210	403	252
MAX	88.0	21.5	---	---	---	---	---	200	872	328	687	515
(WY)	2003	1999	---	---	---	---	---	1999	2003	2003	1998	2002
MIN	39.8	2.56	---	---	---	---	---	23.7	259	91.6	125	84.7
(WY)	2001	2000	---	---	---	---	---	2001	1999	1999	1995	1996

e Estimated