

# SOUTHWEST ALASKA

## 15302000 NUYAKUK RIVER NEAR DILLINGHAM

LOCATION.--Lat 59°56'08", long 158°11'16", in NE<sup>1</sup>/<sub>4</sub> NE<sup>1</sup>/<sub>4</sub> sec. 10, T.3 S., R.52 W. (Dillingham D-6 quad), Hydrologic Unit 19030301, on the left bank 350 ft downstream from outlet of Tikchik Lake, about 0.6 mi upstream from unnamed tributary entering from left bank and 62 mi north of Dillingham.

DRAINAGE AREA.--1,490 mi<sup>2</sup>, approximately.

PERIOD OF RECORD.--May 1953 to September 1996 and July 2002 to September 2003 (discontinued).

REVISED RECORDS.--WRD-Alaska 1972; 1971.

GAGE.--Water-stage recorder. Elevation of gage is 325 ft above sea level from topographic map. Prior to Oct.8, 1983, at site 650 ft downstream at different datum, but datum was 2.00 ft higher from May 1953 to Oct. 1. 1957.

REMARKS.--Records good, except for estimated daily discharges, which are poor. Rain gage at station. GOES satellite telemetry at station. Discharge affected by storage in Tikchik Lake, Nuyakuk Lake, Lake Chauekuktuli, and other smaller lakes covering over 170 mi<sup>2</sup> of the basin.

### 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	4800	7120	e3800	e2700	e2200	e1900	e1800	3020	16000	11700	7870	4870
2	5610	7070	e3700	e2700	e2200	e1900	e1800	3180	16100	11400	7800	4820
3	5910	6940	e3700	e2700	e2200	e1900	e1800	3360	16100	11300	7720	4730
4	6020	6860	e3600	e2700	e2200	e1900	e1800	3550	16200	11000	7740	4620
5	6260	6870	e3600	e2600	e2100	e1900	1790	3790	16100	10800	7620	4520
6	e6500	6910	e3500	e2600	e2100	e1900	1840	4040	16100	10500	7550	4440
7	e6800	6840	e3400	e2600	e2100	e1900	1860	4360	16100	10200	7450	4320
8	e7100	e6800	e3400	e2500	e2100	e1900	1880	4720	16000	10000	7320	4230
9	e7300	e6600	e3300	e2500	e2100	e1900	1840	5020	15800	9720	7150	4170
10	e7600	e6400	e3300	e2500	e2100	e1900	1940	5310	15400	9450	7090	4100
11	7760	e6200	e3200	e2500	e2100	e1900	2000	5630	15500	9170	7000	4090
12	e7900	e6000	e3200	e2400	e2100	e1900	2030	5930	15300	8860	6780	4120
13	e8100	e5900	e3100	e2400	e2100	e1900	2040	6140	15100	8650	6620	4040
14	e8200	e5800	e3100	e2400	e2100	e1900	2050	6370	14800	8400	6570	3970
15	8520	e5600	e3000	e2400	e2100	e1900	2050	6550	14500	8160	6510	3880
16	9170	e5400	e3000	e2400	e2000	e1900	2080	6950	14400	7980	6440	3850
17	9260	e5300	e3000	e2300	e2000	e1900	2100	7790	14200	7850	6290	3780
18	e9200	e5200	e2900	e2300	e2000	e1900	2100	8390	14200	7800	6140	e3750
19	9190	e5000	e2900	e2300	e2000	e1900	2130	8800	14400	7780	6020	3710
20	9040	e4800	e2900	e2300	e2000	e1900	2150	9120	14300	7760	5930	3750
21	8930	e4700	e2800	e2300	e2000	e1800	2190	9480	14100	7580	5780	e3650
22	8760	e4600	e2800	e2300	e2000	e1800	2250	9910	13900	7480	5540	3620
23	8580	e4500	e2800	e2300	e2000	e1800	2300	10600	13700	7260	5370	3610
24	8440	e4400	e2700	e2300	e2000	e1800	2380	11600	13500	7100	5490	3520
25	8220	e4300	e2700	e2300	e2000	e1800	2460	12500	13300	6720	5530	3460
26	8080	e4200	e2700	e2200	e2000	e1800	2450	13300	13100	6930	5520	3460
27	7850	e4100	e2600	e2200	e2000	e1800	2560	14000	12800	7340	5400	3320
28	7640	e4000	e2600	e2200	e2000	e1800	2640	14600	12500	7690	5320	3270
29	7410	e4000	e2600	e2200	e2000	e1800	2750	15200	12300	7830	5220	3290
30	7160	e3900	e2800	e2200	---	e1800	2910	15600	12000	7880	5090	3350
31	7140	---	e2800	e2200	---	e1800	---	15800	---	7880	4950	---
TOTAL	238450	166310	95500	74500	59900	57800	63970	254610	437800	270170	198820	118310
MEAN	7692	5544	3081	2403	2066	1865	2132	8213	14590	8715	6414	3944
MAX	9260	7120	3800	2700	2200	1900	2910	15800	16200	11700	7870	4870
MIN	4800	3900	2600	2200	2000	1800	1790	3020	12000	6720	4950	3270
AC-FT	473000	329900	189400	147800	118800	114600	126900	505000	868400	535900	394400	234700
CFSM	5.16	3.72	2.07	1.61	1.39	1.25	1.43	5.51	9.79	5.85	4.30	2.65
IN.	5.95	4.15	2.38	1.86	1.50	1.44	1.60	6.36	10.93	6.75	4.96	2.95

### STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2004, BY WATER YEAR (WY)#

MEAN	7767	5207	3383	2517	2121	1859	1805	4575	15290	13850	8923	8037
MAX	13350	13150	11160	5310	4082	3265	2692	11320	23290	26220	24190	17070
(WY)	1992	2003	2003	2003	2003	2003	1993	1978	1969	1977	1977	1989
MIN	3816	2570	1848	1397	1252	990	800	1719	10360	6794	3855	3944
(WY)	1969	1969	1964	1964	1964	1976	1960	1964	1954	1954	1957	2004

# See Period of Record  
e Estimated

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## 15302000 NUYAKUK RIVER NEAR DILLINGHAM—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1953 - 2004#	
ANNUAL TOTAL	2269990		2036140			
ANNUAL MEAN	6219		5563		6313	
HIGHEST ANNUAL MEAN					9470	
LOWEST ANNUAL MEAN					4236	
HIGHEST DAILY MEAN					32100	
LOWEST DAILY MEAN	15800	Jun 21	16200	Jun 4	Jul 2 1977	
ANNUAL SEVEN-DAY MINIMUM	a2200	Apr 8	1790	Apr 5	b770	
MAXIMUM PEAK FLOW	2200	Apr 8	1800	Mar 30	770	
MAXIMUM PEAK STAGE			16300	Jun 3	32200	
INSTANTANEOUS LOW FLOW			9.19	Jun 3	c10.49	
ANNUAL RUNOFF (AC-FT)	4503000		d		770	
ANNUAL RUNOFF (CFSM)			4039000		4573000	
ANNUAL RUNOFF (INCHES)	4.17		3.73		4.24	
10 PERCENT EXCEEDS	11600		50.84		57.56	
50 PERCENT EXCEEDS	5200		12100		14300	
90 PERCENT EXCEEDS	2660		4140		4390	
			1900		1700	

- # See Period of Record
- a Apr. 8-17
- b Apr.16-30, 1960
- c Site and datum then in use
- d Not determined, see lowest daily mean