

SOUTH-CENTRAL ALASKA

15292700 TALKEETNA RIVER NEAR TALKEETNA (Hydrologic Bench-Mark Station)

LOCATION.--Lat 62°20'49", long 150°01'01", in NE¹/₄ sec. 16, T. 26 N., R. 4 W. (Talkeetna B-1 quad), Matanuska-Susitna Borough, Hydrologic Unit 19020503, on left bank 1.7 mi downstream from Chunilna Creek, 3.5 mi northeast of Talkeetna, and about 5 mi upstream from mouth.

DRAINAGE AREA.--1,996 mi².

REVISED RECORDS.-- WRD AK 2000-1: Drainage Area.

PERIOD OF RECORD.--June 1964 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 400 ft above sea level, from topographic map. From October 1, 1992 to September 30, 1994 at site 0.5 mi upstream at different 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	4600	1630	e950	e700	e600	e500	e480	2590	8470	8610	8020	4830
2	4290	1870	e900	e700	e600	e500	e480	3390	8180	8920	7080	5080
3	4690	1880	e900	e700	e600	e500	e480	3670	8070	9740	7430	5870
4	5790	1750	e900	e700	e600	e500	e500	4010	6910	10700	7550	5050
5	4790	1690	e900	e700	e550	e500	e500	4510	6980	10400	7370	4190
6	4280	1740	e900	e700	e550	e500	e500	4930	7250	10200	7440	3750
7	3950	1920	e900	e700	e550	e500	e500	6590	8620	10100	7720	3390
8	3690	2220	e900	e700	e550	e500	e550	10300	10900	9960	8020	3120
9	3540	2200	e850	e700	e550	e500	e550	10600	8460	9600	7900	2950
10	3470	1870	e850	e700	e550	e500	e550	7510	7480	8630	7860	2830
11	3220	1580	e850	e700	e550	e500	e580	6490	7790	8510	8190	2710
12	2900	1540	e850	e700	e550	e480	e580	7880	7550	8840	7350	2580
13	2720	1540	e850	e700	e550	e480	e580	8090	7300	9080	6990	2620
14	2670	1320	e800	e650	e550	e480	e600	8240	7980	8890	6940	2510
15	2640	e1200	e800	e650	e550	e480	e620	8890	8590	8530	7040	2280
16	2450	e1100	e800	e650	e550	e480	e650	8810	7940	8640	6990	2140
17	2300	e1000	e800	e650	e550	e480	e680	8070	8680	8440	7160	1990
18	2120	e1100	e800	e650	e550	e480	e700	7870	9580	7470	7580	1900
19	2250	e1200	e800	e650	e550	e480	e750	8240	8840	7670	7810	1890
20	2260	e1100	e800	e650	e550	e480	e800	8070	9230	8490	8030	2270
21	2050	e1100	e800	e650	e500	e480	e900	7800	9520	8970	6400	2780
22	1990	e1100	e800	e630	e500	e480	e1000	8100	9300	9950	6910	2750
23	1970	e1000	e750	e600	e500	e480	1050	8350	9100	9650	6540	3090
24	2140	e1000	e750	e600	e500	e460	1130	9630	9160	9460	5880	2620
25	2160	e1000	e750	e600	e500	e460	1180	10200	9150	9130	6090	2210
26	2360	e1000	e750	e600	e500	e460	1390	9660	9410	8580	7600	2400
27	2150	e1000	e750	e600	e500	e460	1570	8450	9980	7780	8760	2630
28	1980	e950	e750	e600	e500	e460	1520	9000	10100	7980	7530	2290
29	1650	e950	e700	e600	e500	e460	1820	8230	10400	8150	6850	2130
30	1600	e950	e700	e600	---	e460	2110	7490	10400	8220	5930	2920
31	1840	---	e700	e600	---	e460	---	7820	---	8070	5200	---
TOTAL	90510	41500	25300	20330	15700	14940	25300	233480	261320	277360	224160	89770
MEAN	2920	1383	816	656	541	482	843	7532	8711	8947	7231	2992
MAX	5790	2220	950	700	600	500	2110	10600	10900	10700	8760	5870
MIN	1600	950	700	600	500	460	480	2590	6910	7470	5200	1890
AC-FT	179500	82320	50180	40320	31140	29630	50180	463100	518300	550100	444600	178100
CFSM	1.46	0.69	0.41	0.33	0.27	0.24	0.42	3.77	4.36	4.48	3.62	1.50
IN.	1.69	0.77	0.47	0.38	0.29	0.28	0.47	4.35	4.87	5.17	4.18	1.67

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2004, BY WATER YEAR (WY)#

MEAN	2856	1201	834	674	572	511	674	4851	10870	10300	9090	5769
MAX	10000	2400	1122	996	990	1058	1912	11510	19040	15410	16770	12090
(WY)	1987	2003	1987	1990	1990	1990	1990	1990	1971	1981	1971	1993
MIN	1424	672	538	457	401	285	396	2145	5207	7080	3787	2070
(WY)	1997	1992	1996	1996	1969	1982	1986	1971	1969	1969	1969	1969

e Estimated

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1964 - 2004#	
ANNUAL TOTAL	1426220		1319670		4030	
ANNUAL MEAN	3907		3606		5389	
HIGHEST ANNUAL MEAN					2249	
LOWEST ANNUAL MEAN					1969	
HIGHEST DAILY MEAN	22900	Jul 17	10900	Jun 8	63200	Oct 11 1986
LOWEST DAILY MEAN	a350	Apr 4	b460	Mar 24	c260	Feb 27 1982
ANNUAL SEVEN-DAY MINIMUM	353	Apr 2	460	Mar 24	260	Feb 27 1982
MAXIMUM PEAK FLOW			12100	Jun 8	75700	Oct 11 1986
MAXIMUM PEAK STAGE			7.65	Jun 8	17.38	Oct 11 1986
ANNUAL RUNOFF (AC-FT)	2829000		2618000		2919000	
ANNUAL RUNOFF (CFSM)	1.96		1.81		2.02	
ANNUAL RUNOFF (INCHES)	26.58		24.60		27.43	
10 PERCENT EXCEEDS	10100		8840		10500	
50 PERCENT EXCEEDS	2120		1910		1400	
90 PERCENT EXCEEDS	400		500		500	

See Period of Record; partial years used in monthly statistics

a Apr. 4-8

b Mar. 24-31

c From Feb. 27 to Mar. 20, 1982