

# SOUTH-CENTRAL ALASKA

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

LOCATION.--Lat 62°20'49", long 150°01'01", in NE<sup>1</sup>/<sub>4</sub> 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 mi<sup>2</sup>.

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 2004 TO SEPTEMBER 2005 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4770	1310	1530	e700	e600	e550	e700	9960	17100	13100	8380	8380
2	3400	1110	1130	e700	e600	e550	e800	10200	16300	13100	8090	7530
3	3020	e1000	912	e700	e600	e600	e800	10000	14600	12900	8320	6990
4	3030	e900	e800	e700	e600	e600	e800	9510	14400	12300	8100	7550
5	3010	e800	e700	e700	e600	e600	e800	9400	15400	12000	8460	8190
6	2980	e700	e600	e700	e600	e600	e800	8610	17700	11700	8630	9070
7	3030	e600	e600	e700	e600	e600	e800	8320	17800	11800	8280	13500
8	3120	e500	e650	e700	e600	e650	e800	9840	17300	11500	8000	11700
9	3000	e600	e650	e700	e600	e650	e850	11100	15200	11100	7910	10600
10	2910	e800	e650	e700	e600	e650	e850	11900	16000	11200	8450	22000
11	2850	e1000	e650	e700	e600	e650	e900	12800	19100	11400	9090	18300
12	2690	e1600	e700	e700	e600	e650	e900	13800	19200	11300	9710	15300
13	2640	e1500	e700	e700	e600	e700	e900	14600	18400	10500	10000	14800
14	3960	1420	e800	e700	e600	e700	e900	15900	21000	9840	9990	12300
15	4560	1160	e800	e700	e600	e700	e900	15900	22500	9410	9830	11000
16	3760	e1100	e800	e700	e600	e700	e950	15900	22300	10800	9300	10400
17	3180	e1150	e800	e700	e550	e700	e950	15300	21500	11900	8580	9940
18	2720	e1200	e800	e700	e550	e700	e1000	13700	21300	12000	8390	9760
19	2770	e1300	e800	e700	e550	e700	e1000	14600	21500	13100	8320	8600
20	2680	e1400	e750	e700	e550	e700	e1100	15500	17600	12700	7750	7980
21	2600	e1500	e750	e650	e550	e700	1300	17600	14700	11500	8150	7680
22	2320	e1550	e750	e650	e550	e700	1390	18400	13700	10200	7950	8200
23	2140	e1550	e750	e650	e550	e700	2130	18300	12700	9770	7710	10300
24	2140	e1500	e750	e650	e550	e700	3100	18500	11800	9680	10000	14900
25	1860	e1500	e750	e650	e550	e700	3410	18700	12000	9210	10400	13900
26	1980	e1400	e750	e650	e550	e700	3570	18300	12500	8700	10000	12500
27	2090	e1400	e750	e650	e550	e700	4210	18200	12400	8390	8660	10800
28	1970	e1350	e750	e650	e550	e700	5260	17800	12400	9070	7490	9710
29	1860	1600	e750	e650	---	e700	7870	15800	12500	9990	8890	8760
30	1720	2250	e750	e650	---	e700	9260	15700	13300	9500	8810	8130
31	1380	---	e750	e650	---	e700	---	17400	---	9570	7970	---
TOTAL	86140	36750	24072	21150	16200	20650	59000	441540	494200	339230	269610	328770
MEAN	2779	1225	777	682	579	666	1967	14240	16470	10940	8697	10960
MAX	4770	2250	1530	700	600	700	9260	18700	22500	13100	10400	22000
MIN	1380	500	600	650	550	550	700	8320	11800	8390	7490	6990
AC-FT	170900	72890	47750	41950	32130	40960	117000	875800	980200	672900	534800	652100
CFSM	1.39	0.61	0.39	0.34	0.29	0.33	0.99	7.14	8.25	5.48	4.36	5.49
IN.	1.61	0.68	0.45	0.39	0.30	0.38	1.10	8.23	9.21	6.32	5.02	6.13

### STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005, BY WATER YEAR (WY)#

	MEAN	MAX	(WY)	MIN	(WY)							
MEAN	2854	1202	833	675	572	515	705	5080	11010	10310	9081	5893
MAX	10000	2400	1122	996	990	1058	1967	14240	19040	15410	16770	12090
(WY)	1987	2003	1987	1990	1990	1990	2005	2005	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

# See Period of rRecord; partial years used in monthly statistics  
e Estimated

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## 15292700 TALKEETNA RIVER NEAR TALKEETNA—Continued (Hydrologic Bench-Mark Station)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1964 - 2005#	
ANNUAL TOTAL	1309322		2137312		4074	
ANNUAL MEAN	3577		5856		5856	
HIGHEST ANNUAL MEAN					2005	
LOWEST ANNUAL MEAN					1969	
HIGHEST DAILY MEAN	10900	Jun 8	22500	Jun 15	63200	Oct 11 1986
LOWEST DAILY MEAN	a460	Mar 24	500	Nov 8	b260	Feb 27 1982
ANNUAL SEVEN-DAY MINIMUM	460	Mar 24	550	Feb 17	260	Feb 27 1982
MAXIMUM PEAK FLOW			24300	Sep 10	75700	Oct 11 1986
MAXIMUM PEAK STAGE			10.51	Sep 10	17.38	Oct 11 1986
ANNUAL RUNOFF (AC-FT)	2597000		4239000		2952000	
ANNUAL RUNOFF (CFSM)	1.79		2.93		2.04	
ANNUAL RUNOFF (INCHES)	24.40		39.83		27.73	
10 PERCENT EXCEEDS	8840		15200		10600	
50 PERCENT EXCEEDS	1860		2250		1400	
90 PERCENT EXCEEDS	500		600		500	

# See Period of Record; partial years used in monthly statistics

a Mar. 24-31

b From Feb. 27 to Mar. 20, 1982