

YUKON ALASKA

15485500 TANANA RIVER AT FAIRBANKS

LOCATION.--Lat 64°47'34", long 147°50'20", in NE¹/₄ SW¹/₄ SW¹/₄ sec. 25, T. 1 S., R. 2 W. (Fairbanks D-2 quad), Fairbanks North Star Borough, Hydrologic Unit 19040507, on right bank at the end of Groin No. 1 on Corps of Engineers flood-protection levee, 1.0 mi south of Fairbanks International Airport, and 1.0 mi upstream from Chena River.

DRAINAGE AREA.--Undefined. Part of river flows through Salchaket Slough and is ungaged.

PERIOD OF RECORD.--June 1973 to current year.

GAGE.--Water-stage recorder. Datum of gage is 400 ft above sea level. Prior to September 14, 1973, nonrecording gage, and September 14, 1973 to June 14, 1985, water-stage recorder, at site 2.8 mi upstream at same datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of August 16, 1967 reached a stage of 34.4 ft, from floodmarks at site then in use; discharge, about 125,000 ft³/s, contained in reports of the Corps of Engineers.

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	14300	e7700	e6400	e5600	e5500	e5500	e6900	e40000	34000	55800	49300	34600
2	14400	e6900	e6400	e5600	e5500	e5500	e6900	e40000	35300	58000	46700	33600
3	14400	e6500	e6300	e5600	e5500	e5500	e7000	e39000	38900	59100	44700	31800
4	14300	e6400	e6300	e5600	e5500	e5500	e7000	36900	38700	59600	45400	30400
5	14700	e6400	e6200	e5600	e5500	e5500	e7100	33000	39000	59800	45400	29900
6	14700	e6400	e6100	e5500	e5500	e5600	e7200	30600	39200	61300	45600	30200
7	14600	e6500	e6100	e5500	e5500	e5600	e7300	29500	38200	64000	46200	31400
8	14400	e6600	e6100	e5500	e5500	e5600	e7400	28200	36700	65200	46000	33000
9	14300	e7000	e6100	e5500	e5500	e5600	e7500	28000	36300	65900	45100	33500
10	14100	e7500	e6000	e5500	e5500	e5600	e7600	28600	36000	65100	45800	33000
11	14000	e7800	e6000	e5500	e5500	e5600	e7700	29500	36500	64300	48200	32900
12	13900	e7900	e6000	e5500	e5500	e5600	e7900	30100	37700	66200	51200	33400
13	13500	e7800	e5900	e5500	e5500	e5600	e8000	30500	39600	67800	54000	32400
14	13600	e7500	e5900	e5500	e5500	e5600	e8100	30700	42800	67000	56200	32500
15	13700	e7200	e5900	e5500	e5500	e5600	e8300	31600	48200	64800	58100	31800
16	13600	e7100	e5900	e5500	e5500	e5600	e8400	32600	50900	63400	58200	30200
17	13500	e7100	e5900	e5500	e5500	e5600	e8500	34000	52000	64100	57300	29600
18	13200	e7100	e5900	e5500	e5500	e5600	e8600	33800	53300	64800	56700	29700
19	12600	e7000	e5800	e5500	e5500	e5700	e8700	36300	56800	67900	56100	30000
20	12400	e6900	e5800	e5500	e5500	e5800	e8900	38400	62000	71000	50700	29800
21	11900	e6900	e5800	e5500	e5500	e5800	e9200	34900	70400	68200	47800	29100
22	12000	e6900	e5800	e5500	e5500	e5900	e9400	33200	69900	64200	46600	28600
23	11900	e6800	e5800	e5500	e5500	e5900	e9700	32300	64200	60500	46800	28000
24	11500	e6700	e5700	e5500	e5500	e6000	e10000	31500	60600	58700	44800	27700
25	11300	e6600	e5700	e5500	e5500	e6000	e10500	31000	57300	57000	47200	28300
26	11300	e6600	e5700	e5500	e5500	e6100	e11000	30900	53500	55000	46500	29900
27	11200	e6500	e5700	e5500	e5500	e6200	e12000	30700	51800	54400	40700	29500
28	e11000	e6400	e5700	e5500	e5500	e6300	e20000	30600	51000	55500	38100	28500
29	e10500	e6400	e5700	e5500	---	e6500	e32000	31200	51600	55100	36900	27700
30	e10000	e6400	e5600	e5500	---	e6700	e39000	32200	52500	53100	35600	27200
31	e8600	---	e5600	e5500	---	e6800	---	33000	---	52000	35200	---
TOTAL	399400	207500	183800	171000	154000	180000	317800	1012800	1434900	1908800	1473100	918200
MEAN	12880	6917	5929	5516	5500	5806	10590	32670	47830	61570	47520	30610
MAX	14700	7900	6400	5600	5500	6800	39000	40000	70400	71000	58200	34600
MIN	8600	6400	5600	5500	5500	5500	6900	28000	34000	52000	35200	27200
AC-FT	792200	411600	364600	339200	305500	357000	630400	2009000	2846000	3786000	2922000	1821000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2005, BY WATER YEAR (WY)#

MEAN	13920	7894	6265	5665	5473	5426	7594	23080	36670	53230	48880	27290
MAX	20840	12520	8252	7135	6700	6761	12700	36290	51350	66090	70080	44880
(WY)	2003	2003	2004	1986	1991	1993	1995	1991	1992	1992	1997	1990
MIN	8669	5000	4500	4016	3207	3100	4230	14810	25120	39550	34680	16950
(WY)	1997	1977	1977	1974	1974	1974	1974	1998	1978	1996	1996	1976

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005 WATER YEAR WATER YEARS 1973 - 2005#

ANNUAL TOTAL	7910100	8361300		
ANNUAL MEAN	21610	22910	20290	
HIGHEST ANNUAL MEAN			22970	2002
LOWEST ANNUAL MEAN			16080	1996
HIGHEST DAILY MEAN	67300	71000	92400	Jul 22 1986
LOWEST DAILY MEAN	a5600	Dec 30	b5500	Jan 6
ANNUAL SEVEN-DAY MINIMUM	5670	Dec 25	5500	Jan 6
MAXIMUM PEAK FLOW		73600	73600	Jun 21
MAXIMUM PEAK STAGE		24.50	26.25	Aug 14 1997
ANNUAL RUNOFF (AC-FT)	15690000	16580000	14700000	
10 PERCENT EXCEEDS	55600	56100	50600	
50 PERCENT EXCEEDS	11700	11300	10000	
90 PERCENT EXCEEDS	6100	5500	5200	

See Period of Record, partial years used in monthly statistics
a From Dec. 30 to Dec. 31
b From Jan. 06 to Mar. 05
c From Feb. 14 to Mar. 31, 1974
e Estimated