

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 2003 TO SEPTEMBER 2004 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21700	e13500	e9600	e7800	e6600	e6200	e6100	17800	36100	67000	50200	31300
2	26100	e13000	e9400	e7800	e6600	e6200	e6100	19000	36600	61200	50900	30200
3	28700	e12500	e9200	e7800	e6600	e6200	e6100	20500	37600	59700	49800	28700
4	28500	e12500	e8800	e7600	e6600	e6200	e6100	21000	41900	59700	48600	27300
5	27900	e12500	e8600	e7600	e6400	e6200	e6100	21200	37600	60100	48800	25500
6	25700	e12000	e8600	e7400	e6400	e6200	e6100	22300	33900	62900	49600	23900
7	24100	e12000	e8400	e7400	e6400	e6200	e6100	25300	32800	60500	50500	22900
8	23800	e11500	e8400	e7200	e6400	e6200	e6100	36400	34300	57400	51100	22000
9	23400	e11000	e8200	e7200	e6400	e6200	e6100	48800	35900	57200	51200	20900
10	22700	e10000	e8200	e7200	e6400	e6200	e6100	40400	39400	56300	52400	19900
11	22000	e9500	e8200	e7000	e6400	e6200	e6200	35000	42800	54600	53000	19200
12	20900	e8500	e8200	e7000	e6400	e6200	e6300	32800	43100	53900	52400	18600
13	19900	e7600	e8000	e6900	e6400	e6200	e6500	35700	41200	54600	53000	18000
14	19300	e7200	e8000	e6900	e6300	e6200	e6700	38900	38200	57000	53000	18000
15	18700	e6800	e8000	e6900	e6300	e6200	e6900	35900	37900	58800	53000	17800
16	17800	e6800	e8000	e6900	e6300	e6100	e7100	34100	39300	59000	53600	17400
17	17300	e7000	e8000	e6900	e6300	e6100	e7400	34300	39800	58400	54600	16900
18	16800	e7400	e8000	e6900	e6300	e6100	e7900	34300	39700	60000	57200	16500
19	16000	e7600	e8000	e6900	e6200	e6100	e8500	32300	40100	60100	58400	16200
20	14600	e8000	e8000	e6900	e6200	e6100	e9000	30500	41500	59200	57600	15900
21	e14000	e8400	e8000	e6900	e6200	e6100	e9600	29100	44900	59700	57800	15400
22	e14000	e8600	e8000	e6700	e6200	e6100	e10500	28100	49200	60000	57700	15300
23	e14000	e9000	e8000	e6700	e6200	e6100	e11000	27400	52300	60200	57800	15300
24	e14500	e9200	e8000	e6700	e6200	e6100	e12000	28100	54000	57800	57100	15200
25	e15000	e9400	e8000	e6700	e6200	e6100	e12500	29500	56100	55300	53900	15000
26	e15500	e9600	e8000	e6700	e6200	e6100	e13500	32300	59200	55100	47900	14800
27	e15500	e9800	e8000	e6700	e6200	e6100	e14500	35800	62200	56100	41900	14800
28	e15000	e9800	e8000	e6600	e6200	e6100	e15500	36800	63500	56500	40800	14800
29	e14500	e9800	e8000	e6600	e6200	e6100	e16500	35900	65000	55400	39700	14600
30	e14000	e9800	e8000	e6600	---	e6100	17200	36200	67300	51900	36300	14300
31	e14000	---	e8000	e6600	---	e6100	---	36900	---	50000	33100	---
TOTAL	595900	290300	255800	217700	183700	190600	266300	972600	1343400	1795600	1572900	576600
MEAN	19220	9677	8252	7023	6334	6148	8877	31370	44780	57920	50740	19220
MAX	28700	13500	9600	7800	6600	6200	17200	48800	67300	67000	58400	31300
MIN	14000	6800	8000	6600	6200	6100	6100	17800	32800	50000	33100	14300
AC-FT	1182000	575800	507400	431800	364400	378100	528200	1929000	2665000	3562000	3120000	1144000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2004, BY WATER YEAR (WY)

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004			
MEAN	13960	7925	6276	5669	5473	5414	7497	22780	36320	52970	48920	27180																							
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 2003 CALENDAR YEAR FOR 2004 WATER YEAR WATER YEARS 1973 - 2004

ANNUAL TOTAL	7204100	8261400	
ANNUAL MEAN	19740	22570	20210
HIGHEST ANNUAL MEAN			22970
LOWEST ANNUAL MEAN			16080
HIGHEST DAILY MEAN	80500	Jul 18	67300
LOWEST DAILY MEAN	a6000	Jan 1	b6100
ANNUAL SEVEN-DAY MINIMUM	6000	Jan 1	6100
MAXIMUM PEAK FLOW			68400
MAXIMUM PEAK STAGE			23.89
ANNUAL RUNOFF (AC-FT)	14290000	16390000	14640000
10 PERCENT EXCEEDS	42100	55600	50400
50 PERCENT EXCEEDS	14500	14200	10000
90 PERCENT EXCEEDS	6100	6200	5200

See Period of Record, partial years used in monthly statistics
a From Jan. 1 to Feb. 4
b From Mar. 16 to Apr. 10
c From Feb. 14 to Mar. 31, 1974
e Estimated