

YUKON ALASKA

15515500 TANANA RIVER AT NENANA

LOCATION.--Lat 64°33'55", long 149°05'30", in SE¹/₄ sec. 14, T. 4 S., R. 8 W. (Fairbanks C-5 quad), Hydrologic Unit 19040507, on left bank on east end of Alaska Railroad dock in Nenana, and 0.3 mi upstream from Nenana River.

DRAINAGE AREA.--25,600 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1962 to current year.

REVISED RECORDS.--WSP 2136: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 338.50 ft above sea level. Prior to March 10, 1965, on right bank 280 ft downstream from railroad bridge 0.5 mi upstream at present datum. March 10, 1965 to March 23, 1968, nonrecording gage on railroad bridge 0.5 mi upstream at present datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 1948 reached a stage of 15.9 ft, discharge, about 135,000 ft³/s, contained in reports of 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	22500	e16000	e12000	e9200	e7200	e6700	e6600	22800	54300	70800	57100	41800
2	29100	e14000	e12000	e9200	e7200	e6700	e6600	25000	53900	67900	59900	41000
3	34900	e14000	e11500	e9000	e7200	e6700	e6600	27500	52300	65200	60100	40300
4	37300	e13500	e11500	e8800	e7200	e6700	e6600	29800	53500	65100	57800	38900
5	38800	e13500	e11000	e8600	e7200	e6700	e6600	30600	53300	64400	56800	36600
6	36300	e13500	e11000	e8400	e7000	e6700	e6600	32300	49000	66400	56900	33100
7	32500	e13000	e10500	e8200	e7000	e6700	e6600	38800	46100	66600	57700	31500
8	30800	e13000	e10500	e8200	e7000	e6700	e6600	50100	46800	63700	58000	29700
9	30200	e12500	e10000	e8000	e7000	e6700	e6600	63900	48700	62600	58000	27800
10	29100	e12500	e10000	e8000	e7000	e6700	e6600	62400	50700	62000	58600	26400
11	27700	e12000	e9800	e8000	e7000	e6700	e6600	52900	53400	60900	58900	25200
12	26000	e11500	e9600	e7800	e7000	e6700	e6700	48300	55800	60100	58300	24200
13	24400	e10000	e9600	e7800	e7000	e6700	e6900	47500	55200	60500	57700	23500
14	23300	e8500	e9400	e7700	e7000	e6700	e7300	51700	52000	62300	58400	23300
15	22300	e8000	e9400	e7700	e6900	e6700	e7800	51300	50400	64100	58100	23400
16	21400	e7800	e9400	e7700	e6900	e6700	e8300	48800	50900	64300	58700	22500
17	19400	e7800	e9400	e7600	e6900	e6600	e8900	47500	52100	63700	59900	21700
18	18700	e8200	e9400	e7600	e6900	e6600	e9400	45800	52700	63600	61400	21000
19	18600	e8600	e9400	e7600	e6900	e6600	e10000	43500	52500	64200	62300	20300
20	17500	e9000	e9400	e7600	e6800	e6600	e11000	40400	53400	63700	62300	19700
21	17200	e9500	e9400	e7600	e6800	e6600	e12000	38500	54900	63600	61700	19400
22	16200	e10000	e9400	e7600	e6800	e6600	e13000	37300	56500	64300	60700	19100
23	16200	e10500	e9400	e7400	e6800	e6600	e14000	36700	58300	64600	60600	19200
24	15800	e11000	e9400	e7400	e6800	e6600	e15000	37500	60100	63900	60800	19200
25	16500	e11000	e9400	e7400	e6800	e6600	e16000	40100	61000	61500	58700	18900
26	17000	e11500	e9400	e7400	e6800	e6600	e17000	43800	63500	60600	55600	18400
27	e17500	e11500	e9400	e7400	e6800	e6600	e18500	49900	66300	61600	51500	18500
28	e17500	e12000	e9400	e7400	e6800	e6600	e20000	53000	67900	62100	50000	18500
29	e17500	e12000	e9400	e7200	e6800	e6600	e21500	51600	69200	62500	50300	18000
30	e17000	e12000	e9400	e7200	---	e6600	e21000	51000	70300	59900	47900	17600
31	e17000	---	e9400	e7200	---	e6600	---	53500	---	57500	44400	---
TOTAL	726200	337900	308200	243900	201500	206200	316900	1353800	1665000	1964200	1779100	758700
MEAN	23430	11260	9942	7868	6948	6652	10560	43670	55500	63360	57390	25290
MAX	38800	16000	12000	9200	7200	6700	21500	63900	70300	70800	62300	41800
MIN	15800	7800	9400	7200	6800	6600	6600	22800	46100	57500	44400	17600
MED	21400	11500	9400	7700	6900	6700	8050	45800	53500	63700	58300	22900
AC-FT	1440000	670200	611300	483800	399700	409000	628600	2685000	3303000	3896000	3529000	1505000
CFSM	0.92	0.44	0.39	0.31	0.27	0.26	0.41	1.71	2.17	2.48	2.24	0.99
IN.	1.06	0.49	0.45	0.35	0.29	0.30	0.46	1.97	2.42	2.85	2.59	1.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2004, BY WATER YEAR (WY)#

MEAN	17290	9475	7504	6804	6580	6508	8800	31180	47470	60170	56960	33520
MAX	26870	14460	10770	9065	8171	8161	15090	62210	87390	76770	98210	57690
(WY)	2001	2003	1986	1986	1986	1993	1995	1963	1962	1988	1967	1990
MIN	11420	5517	4532	4694	4421	4071	5870	16030	29750	44920	41510	21710
(WY)	1977	1977	1977	1977	1974	1974	1974	1964	1970	1996	1996	1976

See Period of Record, partial years used in monthly statistics
e Estimated

YUKON ALASKA

15515500 TANANA RIVER AT NENANA—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1962 - 2004#	
ANNUAL TOTAL	9054700		9861600			
ANNUAL MEAN	24810		26940		24270	
HIGHEST ANNUAL MEAN					29310	1967
LOWEST ANNUAL MEAN					19530	1970
HIGHEST DAILY MEAN					183000	Aug 18 1967
LOWEST DAILY MEAN	a7700	Mar 24	b6600	Mar 17	c4000	Mar 6 1974
ANNUAL SEVEN-DAY MINIMUM	7700	Mar 24	6600	Mar 17	4000	Mar 6 1974
MAXIMUM PEAK FLOW			71900	Jul 1	186000	Aug 18 1967
MAXIMUM PEAK STAGE			9.97	Jul 1	d18.90	Aug 18 1967
ANNUAL RUNOFF (AC-FT)	17960000		19560000		17580000	
ANNUAL RUNOFF (CFSM)	0.969		1.05		0.948	
ANNUAL RUNOFF (INCHES)	13.16		14.33		12.88	
10 PERCENT EXCEEDS	54900		61100		58300	
50 PERCENT EXCEEDS	17000		17000		12000	
90 PERCENT EXCEEDS	7800		6700		6200	

See Period of Record, partial years used in monthly statistics

a From Mar. 24 to Apr. 13

b From Mar. 17 to Apr. 11

c From Mar. 6 to Mar. 20, 1974

d At site then in use

e Estimated