

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 2004 TO SEPTEMBER 2005 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17700	e9200	e7400	e6200	e6000	e6000	e7600	e46400	42600	65600	61400	42400
2	17500	e8400	e7400	e6200	e6000	e6000	e7700	e48000	43900	68100	58100	41000
3	17700	e8000	e7300	e6200	e6000	e6000	e7800	e48000	46800	69100	55900	38700
4	18000	e7600	e7300	e6100	e6000	e6000	e7800	e45600	49000	69900	55500	36300
5	18400	e7500	e7200	e6100	e6000	e6000	e7900	e45600	50500	70200	56000	35200
6	18500	e7600	e7200	e6100	e6000	e6000	e8000	e44000	53300	71100	55900	35800
7	18300	e8000	e7100	e6100	e6000	e6000	e8100	e36800	52600	72800	56200	38500
8	18000	e8400	e7100	e6100	e6000	e6000	e8200	e36800	50400	74300	56300	42600
9	17900	e8800	e7000	e6100	e6000	e6000	e8300	e36800	48800	75200	55600	44400
10	17600	e9200	e6900	e6100	e6000	e6000	e8400	e36000	48000	75600	55600	44100
11	17400	e9600	e6900	e6100	e6000	e6000	e8500	e36000	48100	75200	57400	44400
12	e17500	e9800	e6800	e6100	e6000	e6000	e8600	36400	50300	75500	60300	45200
13	e17500	e9800	e6800	e6000	e6000	e6000	e8800	35900	51500	76800	62500	44400
14	e17500	e9600	e6700	e6000	e6000	e6000	e8900	35700	55700	76400	64300	43700
15	e17500	e9400	e6600	e6000	e6000	e6000	e9000	37000	62600	74100	65700	42800
16	e17500	e9200	e6600	e6000	e6000	e6000	e9100	39400	67400	72800	66300	40500
17	e17000	e9000	e6600	e6000	e6000	e6000	e9200	40300	68900	73600	65500	38600
18	e17000	e8800	e6500	e6000	e6000	e6000	e9300	40600	69800	73700	64500	38700
19	e16500	e8600	e6500	e6000	e6000	e6000	e9600	39400	71300	75800	63600	39500
20	e16000	e8400	e6500	e6000	e6000	e6100	e9700	44900	73800	79100	60100	39800
21	e16000	e8200	e6500	e6000	e6000	e6100	e9800	43500	77400	78900	55500	38800
22	e15000	e8100	e6400	e6000	e6000	e6200	e10000	40000	79400	74900	54100	37300
23	e15000	e8000	e6400	e6000	e6000	e6200	e10200	39500	75500	70800	53900	36700
24	e15000	e7900	e6400	e6000	e6000	e6300	e10500	38300	72300	68500	52700	37000
25	e14500	e7800	e6400	e6000	e6000	e6300	e11000	37400	70300	66800	53300	39000
26	e14500	e7800	e6300	e6000	e6000	e6500	e12000	36600	68200	65800	55100	41400
27	e14500	e7700	e6300	e6000	e6000	e6700	e13000	36800	66700	65200	51600	42400
28	e14500	e7600	e6300	e6000	e6000	e7000	e17000	37000	65700	65200	47600	41200
29	e14000	e7600	e6300	e6000	---	e7200	e30000	38100	65500	64700	45700	39300
30	e13500	e7500	e6300	e6000	---	e7400	e44500	39400	64900	63200	44200	37500
31	e11500	---	e6300	e6000	---	e7500	---	40800	---	63100	43100	---
TOTAL	509000	253100	208300	187500	168000	193500	338500	1237000	1811200	2212000	1753500	1207200
MEAN	16420	8437	6719	6048	6000	6242	11280	39900	60370	71350	56560	40240
MAX	18500	9800	7400	6200	6000	7500	44500	48000	79400	79100	66300	45200
MIN	11500	7500	6300	6000	6000	6000	7600	35700	42600	63100	43100	35200
MED	17400	8300	6600	6000	6000	6000	9050	39400	63800	72800	55900	39600
AC-FT	1010000	502000	413200	371900	333200	383800	671400	2454000	3593000	4388000	3478000	2394000
CFSM	0.64	0.33	0.26	0.24	0.23	0.24	0.44	1.56	2.36	2.79	2.21	1.57
IN.	0.74	0.37	0.30	0.27	0.24	0.28	0.49	1.80	2.63	3.21	2.55	1.75

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2005, BY WATER YEAR (WY)#

MEAN	17270	9451	7486	6786	6567	6502	8857	31380	47770	60420	56960	33680
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

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1962 - 2005 #	
ANNUAL TOTAL	9459700		10078800			
ANNUAL MEAN	25850		27610		24350	
HIGHEST ANNUAL MEAN					29310 1967	
LOWEST ANNUAL MEAN					19530 1970	
HIGHEST DAILY MEAN	70800	Jul 1	79400	Jun 22	183000 Aug 18 1967	
LOWEST DAILY MEAN	a6300	Dec 26	b6000	Jan 13	c4000 Mar 6 1974	
ANNUAL SEVEN-DAY MINIMUM	6310	Dec 25	6000	Jan 13	4000 Mar 6 1974	
MAXIMUM PEAK FLOW			80200	Jul 20	186000 Aug 18 1967	
MAXIMUM PEAK STAGE			11.08	Jul 20	d18.90 Aug 18 1967	
ANNUAL RUNOFF (AC-FT)	18760000		19990000		17640000	
ANNUAL RUNOFF (CFSM)	1.01		1.08		0.951	
ANNUAL RUNOFF (INCHES)	13.75		14.65		12.92	
10 PERCENT EXCEEDS	61100		66500		58500	
50 PERCENT EXCEEDS	15000		14500		12000	
90 PERCENT EXCEEDS	6600		6000		6200	

See Period of Record; partial years used in monthly statistics
a From Dec. 26 to Dec. 31
b From Jan. 13 to Mar. 13
c From Mar. 6 to Mar. 20, 1974
d At site then in use