YUKON ALASKA

15511000 LITTLE CHENA RIVER NEAR FAIRBANKS

LOCATION.--Lat 64°53′10″, long 147°14′50″, in SW$^1/_4$ NE$^1/_4$ sec. 25, T. 1 N., R. 2 E. (Fairbanks D-1 quad), Fairbanks North Star Borough, Hydrologic Unit 19040506, on downstream side of left bridge abutment at mi 11.9 Chena Hot Springs Highway, 22.5 mi upstream from mouth, and 14 mi northeast of Fairbanks.

DRAINAGE AREA.--372 mi^2.

PERIOD OF RECORD.--August 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 458.79 ft above sea level.

REMARKS.--Records good except for estimated daily discharges, which are poor. Corps of Engineers Meteor-burst and NOAA telephone telemetry at station.

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	136	e50	e75	e50	e40	e35	e45	1160	317	381	392	258
2	148	e50	e75	e45	e40	e35	e50	956	775	889	381	252
3	141	e50	e75	e45	e40	e35	e50	776	631	827	368	243
4	140	e50	e75	e45	e40	e35	e50	685	652	731	354	237
5	138	e55	e70	e45	e40	e35	e50	620	699	748	353	232
6	138	e60	e70	e45	e40	e35	e50	553	618	721	361	227
7	137	e65	e70	e45	e40	e35	e50	493	522	706	356	226
8	134	e70	e70	e45	e40	e35	e50	459	455	775	340	242
9	132	e75	e65	e45	e40	e35	e50	446	409	713	327	251
10	128	e80	e65	e45	e35	e35	e50	439	378	794	314	246
11	122	e85	e65	e45	e35	e35	e50	417	354	838	301	247
12	117	e85	e60	e45	e35	e35	e55	389	370	787	291	243
13	115	e90	e60	e45	e35	e35	e55	375	403	713	284	239
14	112	e90	e60	e45	e35	e40	e55	369	477	663	276	239
15	111	e90	e60	e45	e35	e40	e60	357	457	618	267	241
16	106	e90	e60	e45	e35	e40	e60	345	394	579	260	237
17	105	e90	e55	e45	e35	e40	e60	344	409	554	258	232
18	100	e90	e55	e45	e35	e40	e70	656	479	563	261	230
19	e95	e85	e55	e45	e35	e40	e80	989	453	736	254	232
20	e90	e85	e55	e45	e35	e40	e95	641	631	846	250	230
21	e90	e85	e55	e45	e35	e40	e130	511	751	707	249	238
22	e90	e85	e55	e45	e35	e40	e170	436	611	633	248	245
23	e85	e85	e50	e45	e35	e40	e250	386	536	584	245	263
24	e85	e80	e50	e45	e35	e40	e330	350	474	549	240	314
25	e85	e80	e50	e45	e35	e40	e500	319	435	518	245	442
26	e85	e80	e50	e45	e35	e45	e800	296	414	491	247	530
27	e85	e80	e50	e45	e35	e45	e1400	280	391	472	243	539
28	e80	e80	e50	e45	e35	e45	e1800	270	372	450	237	506
29	e70	e80	e50	e45	---	e45	e1700	260	348	430	236	485
30	e60	e80	e50	e45	---	e45	e1350	248	331	418	243	448
31	e55	---	e50	e40	---	e45	---	246	---	405	241	---
TOTAL	3315	2300	1855	1395	1025	1205	9565	15071	14546	19839	8922	8794
MEAN	107	76.7	59.8	45.0	36.6	38.9	319	486	485	640	288	293
MAX	148	90	75	50	40	45	1800	1160	775	889	392	539
MIN	55	50	50	40	35	35	45	246	317	381	236	226
AC-FT	6580	4560	3680	2770	2030	2390	18970	29890	28850	39350	17700	17440
CFSM	0.29	0.21	0.16	0.12	0.10	0.10	0.86	1.31	1.30	1.72	0.77	0.79
IN.	0.33	0.23	0.19	0.14	0.10	0.12	0.96	1.51	1.45	1.98	0.89	0.88

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2005, BY WATER YEAR (WY)#

MEAN	194	105	72.1	48.6	36.9	32.6	98.2	544	340	303	385	325
MAX	490	264	176	112	74.8	72.0	319	1217	932	665	2147	773
(WY)	1987	1994	1986	1987	2001	1993	2005	1991	1992	1981	1967	2003
MIN	69.8	32.0	22.5	7.90	6.00	3.23	19.1	147	99.2	85.0	124	107
(WY)	1967	1967	1978	1970	1970	1967	1970	1998	1998	1997	1997	1966

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1966 - 2005#	
ANNUAL TOTAL	56822		87832			
ANNUAL MEAN	155		241		209	
HIGHEST ANNUAL MEAN					414	1967
LOWEST ANNUAL MEAN					103	1997
HIGHEST DAILY MEAN	1120	May 8	1800	Apr 28	12000	Aug 13 1967
LOWEST DAILY MEAN	a50	Nov 1	b35	Feb 10	c0.00	Mar 11 1967
ANNUAL SEVEN-DAY MINIMUM	50	Dec 23	35	Feb 10	0.00	Mar 11 1967
MAXIMUM PEAK FLOW			d	Apr 28	f17000	Aug 13 1967
MAXIMUM PEAK STAGE			g22.53	Apr 28	31.95	Aug 13 1967
ANNUAL RUNOFF (AC-FT)	112700		174200		151700	
ANNUAL RUNOFF (CFSM)	0.417		0.647		0.563	
ANNUAL RUNOFF (INCHES)	5.68		8.78		7.65	
10 PERCENT EXCEEDS	380		619		480	
50 PERCENT EXCEEDS	100		95		120	
90 PERCENT EXCEEDS	60		40		25	

\# See Period of Record; partial years used in monthly statistics
a From Nov. 1-4 and Dec.23-31
b From Feb. 10 to Mar. 13
c From Mar. 11 to Apr. 15, 1967
d Not determined, occurred during period of backwater from ice, see highest daily mean
e Estimated
f From rating curve extended above 3,000 ft^3/s on basis of contracted-opening determination of peak flow
g Backwater from ice