

SOUTHEAST ALASKA

15052475 JORDAN CREEK BELOW EGAN DRIVE NEAR AUKE BAY

LOCATION.--Lat 58°21'59", long 134°34'34", in SW¹/₄ SW¹/₄ SE¹/₄ sec. 30, T. 40 S., R. 66 (Juneau B-2 SW quad), Hydrologic Unit 19010301, City and Borough of Juneau on right bank at downstream side of footbridge, 50 ft downstream from Egan Drive, 0.4 mi southeast of intersection of Egan Drive and Mendenhall Loop Road and 3 mi east of Auke Bay Post Office.

DRAINAGE AREA.--2.60 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1997 to September 2004 (discontinued). Prior to October 1996, published as miscellaneous site 15052482 Jordan Creek at Trout Street Bridge near Auke Bay, at site about 500 ft downstream at different datum.

GAGE.--Water-stage recorder. Datum of gage is 19.80 ft above sea level, determined by levels survey.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTEREMES OUTSIDE PERIOD OF DAILY RECORD.--Flood of September 25, 1996, reached a stage of 4.34 ft, site and datum then in use, from floodmarks, discharge 140 ft³/s; no flow observed March 2, 1989, March 5, 1996, January 15, 1997, and July 2-4,7,8,10-24,26, 2004; August 7-10,13-26,31, 2004; September 1, 2004.

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	12	4.2	3.4	e5.0	e2.8	4.1	4.2	9.4	2.0	0.11	0.25	0.00
2	9.5	3.9	8.5	e4.0	e2.7	3.6	12	9.8	2.3	0.00	0.18	0.52
3	8.3	3.5	5.0	e3.6	e2.8	3.4	32	8.6	2.2	0.00	0.43	1.3
4	8.0	3.0	3.6	e3.2	e6.0	3.3	16	8.5	1.8	0.00	0.38	1.8
5	7.0	2.6	3.1	e2.7	15	3.2	11	7.1	1.7	0.16	0.16	1.5
6	7.6	2.2	2.7	e2.5	7.7	2.9	9.7	6.2	1.4	0.12	0.10	5.9
7	6.5	2.2	2.4	e2.4	4.4	4.4	9.7	5.9	1.4	0.00	0.00	4.9
8	5.8	2.1	2.3	e2.5	8.6	9.2	14	5.9	1.2	0.00	0.00	1.3
9	6.0	4.0	2.1	e3.0	24	6.1	11	5.6	1.5	0.24	0.00	0.79
10	5.1	3.4	e2.0	e3.6	25	6.4	9.7	5.1	1.7	0.00	0.00	0.67
11	4.6	4.8	e1.9	e5.0	14	8.0	8.7	5.1	1.1	0.00	0.15	0.59
12	4.0	24	e1.9	e4.0	19	5.5	8.6	5.0	0.99	0.00	0.10	0.82
13	4.3	22	2.0	e8.0	11	4.6	8.0	4.9	1.3	0.00	0.00	10
14	4.2	12	1.7	e3.0	10	4.0	7.2	4.8	1.4	0.00	0.00	5.1
15	3.6	11	1.7	e1.3	8.1	4.5	6.3	4.6	1.1	0.00	0.00	2.4
16	3.2	8.9	3.0	e8.0	7.2	4.4	5.7	4.2	0.90	0.00	0.00	1.8
17	2.9	7.6	7.5	e1.5	6.5	3.9	5.7	3.6	0.96	0.00	0.00	1.4
18	2.8	6.3	7.4	e2.0	6.9	3.1	5.7	3.2	0.74	0.00	0.00	1.2
19	2.6	e4.0	15	e1.6	7.9	2.7	5.0	3.5	0.62	0.00	0.00	1.0
20	2.5	e3.5	14	e1.9	11	2.3	4.5	3.4	0.56	0.00	0.00	4.0
21	2.2	e3.0	12	22	13	e2.3	4.1	3.1	0.45	0.00	0.00	20
22	2.2	4.9	34	28	18	2.0	4.2	2.6	e0.25	0.00	0.00	10
23	2.2	3.8	32	21	10	1.9	4.6	2.3	0.50	0.00	0.00	28
24	2.2	3.5	19	e1.1	8.4	1.9	5.5	3.3	0.37	0.00	0.00	29
25	12	3.2	15	e7.0	7.2	5.1	9.2	5.0	0.21	0.12	0.00	9.0
26	23	2.9	11	e5.1	6.2	9.2	14	4.6	0.16	0.00	0.00	5.1
27	9.3	2.6	e8.0	e4.1	5.5	5.4	8.8	3.4	0.15	1.3	0.19	7.9
28	14	e2.4	e6.8	e3.5	5.0	5.0	7.0	2.7	0.22	3.9	1.0	5.7
29	6.4	e2.2	e6.7	e3.2	4.5	5.3	6.3	2.4	0.16	3.7	0.65	5.6
30	5.1	2.1	6.6	e3.0	---	5.3	6.9	2.1	0.12	0.98	0.14	6.6
31	4.7	---	6.0	e2.9	---	4.3	---	1.8	---	0.44	0.00	---
TOTAL	193.8	165.8	248.3	281.3	278.4	137.3	265.3	147.7	29.46	11.07	3.73	173.89
MEAN	6.25	5.53	8.01	9.07	9.60	4.43	8.84	4.76	0.98	0.36	0.12	5.80
MAX	23	24	34	30	25	9.2	32	9.8	2.3	3.9	1.0	29
MIN	2.2	2.1	1.7	2.4	2.7	1.9	4.1	1.8	0.12	0.00	0.00	0.00
AC-FT	384	329	493	558	552	272	526	293	58	22	7.4	345
CFSM	2.40	2.13	3.08	3.49	3.69	1.70	3.40	1.83	0.38	0.14	0.05	2.23
IN.	2.77	2.37	3.55	4.02	3.98	1.96	3.80	2.11	0.42	0.16	0.05	2.49

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)#

	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	16.1	7.99	9.99	6.77	3.74	3.15	5.01	6.65
MAX	23.2	11.2	20.8	11.3	9.60	4.74	12.1	13.7
(WY)	2003	2000	2000	1999	2004	2001	1999	1999
MIN	6.25	4.21	2.67	3.52	0.47	1.62	0.72	1.70
(WY)	2004	1999	1999	1998	1999	1998	2002	2003

e Estimated
See Period of Record; partial year used in monthly statistics

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1997 - 2004#	
ANNUAL TOTAL	1797.31		1936.05			
ANNUAL MEAN	4.92		5.29		7.28	
HIGHEST ANNUAL MEAN					9.87 2000	
LOWEST ANNUAL MEAN					5.29 2004	
HIGHEST DAILY MEAN	52	Sep 27	34	Dec 22	129	Dec 28 1999
LOWEST DAILY MEAN	a0.34	Jun 15	b0.00	Jul 2	c0.00	Mar 3 1999
ANNUAL SEVEN-DAY MINIMUM	0.44	Jun 11	0.00	Jul 10	0.00	Mar 3 1999
MAXIMUM PEAK FLOW			d46	Dec 22	149	Dec 28 1999
MAXIMUM PEAK STAGE			5.41	Dec 22	7.59	Dec 28 1999
INSTANTANEOUS LOW FLOW			f		0.00	Mar 3 1999
ANNUAL RUNOFF (AC-FT)	3560		3840		5270	
ANNUAL RUNOFF (CFSM)	1.89		2.03		2.80	
ANNUAL RUNOFF (INCHES)	25.72		27.70		38.04	
10 PERCENT EXCEEDS	12		12		16	
50 PERCENT EXCEEDS	2.6		3.6		4.6	
90 PERCENT EXCEEDS	0.90		0.00		0.91	

See Period of Record; partial year used in monthly statistics

a June 15 and June 16

b July 2-4,7,8,10-24,26; August 7-10,13-26,31; September 1

c Mar. 3 to Mar. 9, 1999 and Apr. 8 to Apr. 18, 2002; July 2-4,7,8,10-24,26, 2004; August 7-10,13-26,31, 2004; September 1, 2004

d May have been higher during period of estimated discharge.

e Estimated

f Not determined, see lowest daily mean