

# SOUTHEAST ALASKA

## 15052475 JORDAN CREEK BELOW EGAN DRIVE NEAR AUKE BAY

LOCATION.--Lat 58°21'59", long 134°34'34", in SW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> SE<sup>1</sup>/<sub>4</sub> 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 mi<sup>2</sup>.

### WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1997 to current year. 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. GOES satellite telemetry at station.

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 ft<sup>3</sup>/s; no flow observed March 2, 1989, March 5, 1996, and January 15, 1997.

#### 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	9.0	9.5	20	7.7	e9.0	26	4.0	4.4	0.88	0.27	2.4	11
2	7.7	14	33	6.3	e6.0	19	3.9	4.2	0.70	0.87	2.1	8.2
3	5.0	30	31	5.8	e4.5	16	3.8	3.9	0.60	0.94	2.4	6.5
4	8.1	23	17	4.8	e3.5	19	3.8	3.8	1.9	1.6	4.1	5.6
5	14	11	12	4.5	e2.8	18	3.5	3.3	1.5	0.92	11	5.7
6	8.5	7.5	9.5	e3.5	e2.5	14	3.6	3.2	0.84	0.66	6.5	14
7	9.7	6.4	8.2	e3.0	e2.4	15	3.3	3.2	0.84	0.43	3.8	31
8	13	5.5	7.1	e2.5	e6.0	17	2.9	3.1	0.36	0.28	3.1	22
9	15	5.0	6.5	e2.0	e13	20	3.0	3.1	0.26	0.21	2.7	12
10	11	4.0	6.0	e1.8	e11	37	3.5	3.0	0.18	0.14	2.4	9.3
11	7.7	3.3	7.1	e1.1	e9.0	38	3.2	2.9	0.12	0.00	2.1	8.9
12	11	2.8	10	e0.95	e7.5	29	3.2	2.8	0.00	0.00	1.9	8.0
13	17	2.9	7.3	e0.80	e6.0	26	3.0	2.7	0.12	0.00	1.8	13
14	7.8	3.0	11	e0.68	e5.3	20	2.9	3.3	0.00	0.00	1.6	8.3
15	7.3	2.9	7.6	e0.60	e4.8	15	2.8	3.2	0.10	0.18	1.5	7.0
16	6.1	3.9	23	e0.90	e4.4	11	2.5	2.6	0.00	0.00	1.4	6.6
17	5.2	3.7	19	e1.5	4.1	9.1	2.5	2.3	0.00	1.3	1.2	12
18	4.4	3.0	29	e1.2	3.7	7.8	2.9	2.0	0.00	3.7	3.0	17
19	3.8	7.4	39	e0.95	3.2	6.9	12	1.9	0.00	1.4	6.0	36
20	3.4	28	26	e0.80	2.9	6.2	10	1.8	0.00	0.91	5.9	31
21	3.2	37	15	e0.90	2.7	5.6	14	1.6	0.84	3.6	4.4	35
22	3.4	16	20	e1.5	4.6	5.1	10	1.5	0.45	2.6	10	20
23	2.3	12	50	e4.0	13	4.7	8.0	1.4	0.23	1.5	5.1	29
24	3.3	15	49	e3.1	8.3	4.3	9.5	1.4	0.16	1.2	3.8	29
25	2.8	14	28	e2.5	7.4	4.0	10	1.3	0.00	1.1	11	21
26	1.9	19	16	e2.8	6.4	3.9	9.3	1.2	0.00	1.9	15	15
27	6.2	17	12	e3.5	7.7	4.3	8.9	1.2	0.00	9.8	6.5	14
28	8.8	15	13	e3.2	14	4.5	8.1	1.1	0.00	11	4.8	21
29	30	11	9.5	e3.0	---	5.0	6.7	1.1	0.64	4.8	5.2	32
30	13	11	e9.0	e4.5	---	3.8	5.2	1.3	0.29	3.2	17	32
31	8.1	---	e8.5	e6.4	---	4.9	---	1.1	---	2.7	15	---
TOTAL	257.7	343.8	559.3	86.78	175.7	420.1	170.0	74.9	11.01	57.21	164.7	521.1
MEAN	8.31	11.5	18.0	2.80	6.28	13.6	5.67	2.42	0.37	1.85	5.31	17.4
MAX	30	37	50	7.7	14	38	14	4.4	1.9	11	17	36
MIN	1.9	2.8	6.0	0.60	2.4	3.8	2.5	1.1	0.00	0.00	1.2	5.6
AC-FT	511	682	1110	172	349	833	337	149	22	113	327	1030
CFSM	3.20	4.41	6.94	1.08	2.41	5.21	2.18	0.93	0.14	0.71	2.04	6.68
IN.	3.69	4.92	8.00	1.24	2.51	6.01	2.43	1.07	0.16	0.82	2.36	7.46

#### STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY) #

	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	15.1	8.42	11.0	6.28	4.05	4.45	5.09	6.18	3.75
MAX	23.2	11.5	20.8	11.3	9.60	13.6	12.1	13.7	10.2
(WY)	2003	2005	2000	1999	2004	2005	1999	1999	2000
MIN	6.25	4.21	2.67	2.80	0.47	1.62	0.72	1.70	0.37
(WY)	2004	1999	1999	2005	1999	1998	2002	2003	2005

# 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 1997 - 2005	
ANNUAL TOTAL	2488.95		2842.30			
ANNUAL MEAN	6.80		7.79		7.34	
HIGHEST ANNUAL MEAN					9.87	
LOWEST ANNUAL MEAN					5.29	
HIGHEST DAILY MEAN					129	
LOWEST DAILY MEAN	50	Dec 23	50	Dec 23	c0.00	Mar 3 1999
ANNUAL SEVEN-DAY MINIMUM	a0.00	Jul 2	b0.00	Jun 12	c0.00	Mar 3 1999
MAXIMUM PEAK FLOW	0.00	Jul 10	0.01	Jun 14	0.00	Mar 3 1999
MAXIMUM PEAK STAGE			64	Dec 23	149	
INSTANTANEOUS LOW FLOW			6.06	Dec 23	7.59	
ANNUAL RUNOFF (AC-FT)	4940		5640		5320	
ANNUAL RUNOFF (CFSM)	2.62		3.00		2.82	
ANNUAL RUNOFF (INCHES)	35.61		40.67		38.37	
10 PERCENT EXCEEDS	16		19		17	
50 PERCENT EXCEEDS	4.6		4.5		4.6	
90 PERCENT EXCEEDS	0.00		0.67		0.90	

- # See Period of Record; partial years used in monthly statistics
- a July 2-4, 7, 8, 10-24, 26, Aug. 7-10, 13-26, 31, and Sept. 1
- b June 12, 14, 16-20, 25-28, and July 11-14, 16
- c Occurs on many days throughout period of record.
- d June 11-20,24-28; July 11-17