

SOUTHWEST ALASKA

15300300 ILIAMNA RIVER NEAR PEDRO BAY

LOCATION.--Lat 59°45'31", long 153°50'41", in NE¹/₄ SE¹/₄ sec. 10, T. 5 S., R. 27 W. (Iliamna D-3 quad), Lake and Peninsula Borough, Hydrologic Unit 19030206, on left bank 100 ft downstream from bridge on road between Pile Bay and Williamsport, 9.2 mi east of Pedro Bay, and 37 mi east of Iliamna.

DRAINAGE AREA.--128 mi².

PERIOD OF RECORD.--May 1996 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 80 ft above sea level, from topographic map.

REMARKS.--Records are good except for estimated daily discharges which are poor. GOES satellite telemetry at station. Precipitation gage at station.

REVISIONS.--The maximum discharges for some water years have been revised, as shown in the following table. They supersede figures published in the reports for 1998-2001 and 2003.

Water Year	Date	Discharge (ft ³ /s)	Gage Height (ft)
1998	Jun. 8, 1998	a22,300	71.82
1999	Sep. 18, 1999	a20,000	71.16
2000	Aug. 2, 2000	a13,700	69.20
2001	Jul. 19, 2001	a14,400	69.44
2003	Nov. 6, 2002	a17,400	70.39

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	33800	394	e350	e100	e70	e150	e80	1330	2030	1810	889	308
2	25700	445	e300	e100	e70	e150	e70	1550	2100	1540	819	329
3	5810	430	e300	e100	e70	e150	e70	1270	2040	1430	725	358
4	2530	466	e275	e90	e70	e150	e90	1260	2190	1480	662	318
5	1860	580	e275	e90	e70	e150	150	1620	2610	1590	619	291
6	1710	1530	e275	e90	e80	e150	297	1790	2520	1480	571	279
7	1510	1390	e250	e90	e80	e150	617	2220	2980	1470	542	270
8	1660	1080	e250	e90	e80	e100	653	2340	2630	1570	524	263
9	1330	1040	e250	e90	e90	e100	641	1930	2210	1470	514	254
10	1100	866	e225	e80	e90	e125	649	1510	2270	1360	506	249
11	961	719	e225	e80	e100	e125	500	1560	2520	1290	494	250
12	830	671	e225	e80	e100	e125	415	1540	2220	1280	477	246
13	764	e650	e200	e80	e100	e125	363	1490	1930	1310	458	244
14	787	e600	e200	e80	e100	e125	333	1720	2030	1160	440	233
15	1570	e580	e175	e80	e125	e100	327	1520	2210	1050	424	223
16	1080	e550	e175	e80	e125	e100	352	2580	2930	1010	414	218
17	846	704	e175	e80	e125	e100	348	3570	4880	1270	414	211
18	716	752	e175	e70	e100	e100	333	2510	5390	1820	419	205
19	630	708	e150	e70	e100	e90	339	2010	4540	1420	403	212
20	564	642	e150	e70	e125	e90	358	2200	3510	1140	443	392
21	518	664	e150	e70	e125	e90	377	2460	3120	994	409	405
22	481	637	e150	e70	e125	e90	401	2630	2750	941	385	393
23	452	535	e100	e70	e125	e100	438	4330	2520	1050	371	475
24	427	e500	e100	e70	e125	e100	429	4220	2440	960	392	386
25	415	e450	e100	e70	e150	e100	447	3680	2650	939	369	343
26	453	e450	e100	e70	e150	e90	470	3100	2510	2450	405	367
27	505	e400	e125	e70	e150	e90	539	3210	2550	5740	433	362
28	451	e400	e125	e60	e150	e80	593	3410	2340	3860	364	370
29	407	e375	e125	e60	e150	e80	755	2780	1940	1970	338	633
30	387	e375	e125	e60	---	e80	935	2240	1920	1370	325	1630
31	394	---	e100	e70	---	e80	---	2080	---	1070	313	---
TOTAL	90648	19583	5900	2430	3120	3435	12369	71660	80480	49294	14861	10717
MEAN	2924	653	190	78.4	108	111	412	2312	2683	1590	479	357
MAX	33800	1530	350	100	150	150	935	4330	5390	5740	889	1630
MIN	387	375	100	60	70	80	70	1260	1920	939	313	205
AC-FT	179800	38840	11700	4820	6190	6810	24530	142100	159600	97770	29480	21260
CFSM	22.8	5.10	1.49	0.61	0.84	0.87	3.22	18.1	21.0	12.4	3.75	2.79
IN.	26.34	5.69	1.71	0.71	0.91	1.00	3.59	20.83	23.39	14.33	4.32	3.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2004, BY WATER YEAR (WY)#

	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	1137	680	331	214	193	165	267	1244	2529
MAX	2924	2346	976	410	688	407	500	2312	3790
(WY)	2004	2003	2003	2002	2003	1998	1998	2004	1998
MIN	289	161	84.5	75.2	61.6	60.6	87.8	752	1716
(WY)	1997	1997	1997	1998	1998	1999	1999	2001	1996

See Period of Record; partial year used in monthly statistics

a From rating curve extended above 8,900 ft³/s on the basis of a slope-conveyance computation at gage height 78.42 ft

e Estimated

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15300300 ILIAMNA RIVER NEAR PEDRO BAY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1996 - 2004#	
ANNUAL TOTAL	373599		364497			
ANNUAL MEAN	1024		996		924	
HIGHEST ANNUAL MEAN					1188	
LOWEST ANNUAL MEAN					622	
HIGHEST DAILY MEAN	33800	Oct 1	33800	Oct 1	33800	Oct 1 2003
LOWEST DAILY MEAN	a100	Dec 23	b60	Jan 28	c38	Jan 5 1997
ANNUAL SEVEN-DAY MINIMUM	111	Dec 23	66	Jan 24	40	Jan 2 1997
MAXIMUM PEAK FLOW			d53000	Oct 1	d53000	Oct 1 2003
MAXIMUM PEAK STAGE			78.42	Oct 1	78.42	Oct 1 2003
ANNUAL RUNOFF (AC-FT)	741000		723000		669200	
ANNUAL RUNOFF (CFSM)	8.00		7.78		7.22	
ANNUAL RUNOFF (INCHES)	108.58		105.93		98.06	
10 PERCENT EXCEEDS	2000		2370		2280	
50 PERCENT EXCEEDS	540		408		484	
90 PERCENT EXCEEDS	167		80		85	

See Period of Record; partial year used in monthly statistics

a Dec. 23-26

b Jan. 28-30

c Jan. 5-6, 1997

d From rating curve extended above 8,900 ft³/s on the basis of a slope-conveyance computation at gage height 78.42 ft