

# SOUTHWEST ALASKA

## 15300300 ILIAMNA RIVER NEAR PEDRO BAY

LOCATION.--Lat 59°45'31", long 153°50'41", in NE<sup>1</sup>/<sub>4</sub> SE<sup>1</sup>/<sub>4</sub> 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 mi<sup>2</sup>.

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.

REVISED RECORDS.--WRD AK-04-1: 1998-2001 (M), 2003 (M).

### 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	1520	481	644	e200	e220	e120	e170	1420	2590	1900	e700	562
2	993	e470	579	466	e210	e120	e170	1240	2180	1600	e680	490
3	1250	e450	533	593	e210	e120	e170	1120	1950	1680	e620	481
4	4360	e420	e500	819	e200	e130	e170	1100	1990	1470	e580	833
5	2700	e400	e470	623	e200	e140	e170	1960	2340	1270	e570	845
6	1460	e390	e440	e350	e190	e160	e160	3180	2270	1300	e550	1150
7	1030	e380	e400	e290	e190	e180	e160	2540	2310	1390	e530	1270
8	820	e370	e360	e280	e180	198	e160	2030	3450	1370	e520	989
9	880	480	344	e280	e180	325	e160	1690	3100	1240	e510	2230
10	855	520	318	e270	e170	281	e160	1810	2690	1290	e500	2530
11	1020	464	303	e270	e170	261	161	1820	2460	1160	e480	1460
12	2590	392	294	e270	e170	268	161	2500	2420	1650	476	1350
13	1740	416	289	e260	e160	280	159	2820	2100	2840	477	2050
14	1680	412	273	e260	e160	248	162	3330	2070	1510	472	1290
15	1270	521	261	e260	e160	235	165	2720	2330	1160	450	2780
16	1030	480	293	e260	e160	221	172	1990	2570	1900	420	4040
17	852	491	300	e250	e160	213	171	1760	2660	1630	500	1780
18	730	441	334	e250	e150	202	170	1700	3880	1300	557	1150
19	750	455	325	e250	e150	195	176	1830	2830	1210	483	871
20	699	479	e320	e250	e150	191	194	1800	1890	1090	434	715
21	653	466	e310	e250	e150	210	276	2060	1820	961	566	609
22	598	601	e300	e250	e140	188	760	1950	1880	912	532	572
23	843	680	e290	e250	e140	184	660	2130	1860	840	828	854
24	947	684	e280	e250	e140	177	670	2250	1570	e1000	853	1450
25	793	592	e280	e240	e130	e170	661	1950	1640	e900	662	1770
26	725	530	e270	e240	e130	e170	736	1940	1490	e800	556	1370
27	708	591	e260	e240	e120	e170	1020	3640	1790	e700	495	2170
28	687	1000	e250	e230	e120	e170	1260	4600	1880	e650	485	1560
29	632	744	e240	e230	---	173	1370	4700	1940	e630	774	1110
30	560	625	e230	e220	---	173	1500	3480	2030	e610	789	910
31	498	---	e210	e220	---	e170	---	2970	---	e600	641	---
TOTAL	35873	15425	10500	9371	4610	6043	12254	72030	67980	38563	17690	41241
MEAN	1157	514	339	302	165	195	408	2324	2266	1244	571	1375
MAX	4360	1000	644	819	220	325	1500	4700	3880	2840	853	4040
MIN	498	370	210	200	120	120	159	1100	1490	600	420	481
AC-FT	71150	30600	20830	18590	9140	11990	24310	142900	134800	76490	35090	81800
CFSM	9.04	4.02	2.65	2.36	1.29	1.52	3.19	18.2	17.7	9.72	4.46	10.7
IN.	10.43	4.48	3.05	2.72	1.34	1.76	3.56	20.93	19.76	11.21	5.14	11.99

### STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2005, BY WATER YEAR (WY)#

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005		
MEAN	1140	661	332	223	190	168	283	1364	2503	1639	1043	1259
MAX	2924	2346	976	410	688	407	500	2324	3790	2931	1631	2178
(WY)	2004	2003	2003	2002	2003	1998	1998	2005	1998	2001	1999	1999
MIN	289	161	84.5	75.2	61.6	60.6	87.8	752	1716	788	479	357
(WY)	1997	1997	1997	1998	1998	1999	1999	2001	1996	1997	2004	2004

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

# SOUTHWEST ALASKA

## 15300300 ILIAMNA RIVER NEAR PEDRO BAY—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1996 - 2005#	
ANNUAL TOTAL	310164		331580			
ANNUAL MEAN	847		908		922	
HIGHEST ANNUAL MEAN					1188 2003	
LOWEST ANNUAL MEAN					622 1997	
HIGHEST DAILY MEAN	5740	Jul 27	4700	May 29	33800	Oct 1 2003
LOWEST DAILY MEAN	a60	Jan 28	b120	Feb 27	c38	Jan 5 1997
ANNUAL SEVEN-DAY MINIMUM	66	Jan 24	123	Feb 25	40	Jan 2 1997
MAXIMUM PEAK FLOW			5940	Oct 4	d53000	Oct 1 2003
MAXIMUM PEAK STAGE			64.92	Oct 4	78.42	Oct 1 2003
ANNUAL RUNOFF (AC-FT)	615200		657700		668000	
ANNUAL RUNOFF (CFSM)	6.62		7.10		7.20	
ANNUAL RUNOFF (INCHES)	90.14		96.37		97.87	
10 PERCENT EXCEEDS	2340		2150		2250	
50 PERCENT EXCEEDS	426		562		495	
90 PERCENT EXCEEDS	80		170		90	

# See Period of Record; partial year was used in monthly statistics.

a Jan. 28-30

b Feb. 27 to Mar. 3

c Jan. 5-6, 1997

d From rating curve extended above 8,900 ft<sup>3</sup>/s on the basis of a slope-conveyance computation at gage height 78.42 ft.