Water-Data Report 2012

15300300 ILIAMNA RIVER NEAR PEDRO BAY, AK

Kvichak-Port Heiden Basin
Lake Iliamna Subbasin

LOCATION.--Lat 59°45′31″, long 153°50′41″ referenced to North American Datum of 1927, in NE ¼ SE ¼ sec.10, T.5 S., R.27 W., Lake and Peninsula Borough, AK, Hydrologic Unit 19030206, (Iliamna D-3 quad), on left bank 100 ft downstream from bridge at mile 4 on Williamsport Road, 9.2 mi east of Pedro Bay, and 37 mi east of Iliamna.

DRAINAGE AREA.--128 mi^2.

SURFACE-WATER RECORDS

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

REVISED RECORDS.--WRD AK-04-1: 1998-2001, 2003 (Instantaneous maximum discharge).

GAGE.--Water-stage recorder. Elevation of gage is 80 ft above mean 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.

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 15300300, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/15300300.2012.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	592	574	e170	e120	e100	e90	e90	625	1,750	2,070	3,210	1,060
2	574	e530	e169	e115	e100	e90	e90	561	1,760	1,940	4,060	917
3	734	e500	e167	e115	e100	e85	e90	519	1,910	1,700	2,310	2,500
4	802	e473	e165	e115	e100	e85	e95	485	2,190	1,960	1,720	2,750
5	807	e450	e165	e115	e100	e85	e95	479	1,870	3,540	1,630	5,030
6	1,210	e430	e165	e115	e100	e85	e95	510	1,820	2,640	1,350	3,140
7	995	e408	e164	e115	e100	e85	e95	563	1,990	2,180	1,190	2,030
8	912	e391	e162	e115	e100	e85	e98	654	2,420	2,130	1,070	1,550
9	809	e375	e160	e115	e95	e80	e100	616	2,190	1,630	1,000	1,180
10	722	e360	e160	e110	e95	e80	e101	676	2,120	1,520	1,050	959
11	656	e344	e160	e110	e95	e80	e102	684	1,900	2,640	965	828
12	597	e331	e160	e110	e95	e80	e104	667	2,330	4,340	949	963
13	553	e320	e160	e110	e95	e80	e108	621	2,310	2,620	915	863
14	1,600	e305	e160	e110	e95	e80	e112	555	2,330	2,000	933	777
15	2,150	e292	e159	e110	e95	e80	e120	541	2,590	3,680	969	1,360
16	1,280	e278	e155	e110	e95	e75	e131	566	2,330	2,660	1,000	5,470
17	980	e264	e155	e110	e95	e75	e152	657	2,650	2,040	1,010	2,930
18	826	e250	e155	e110	e95	e75	e178	785	3,910	1,840	820	6,610
19	712	e235	e154	e110	e95	e75	e215	778	2,830	1,990	1,270	7,110
20	632	e223	e151	e105	e95	e75	e265	820	2,550	2,120	1,110	4,620
21	582	e215	e146	e105	e90	e75	e325	893	2,730	2,510	897	2,790
22	542	e205	e140	e105	e90	e75	e370	1,020	3,330	2,700	757	10,900
23	507	e200	e133	e105	e90	e75	415	1,230	3,660	2,270	839	5,990
24	561	e195	e127	e105	e90	e80	427	1,620	4,090	1,830	839	2,680
25	3,020	e190	e122	e105	e90	e80	436	1,990	2,880	1,550	833	2,050
26	1,710	e186	e121	e105	e90	e80	458	2,040	2,380	1,640	922	2,470
27	1,130	e183	e120	e105	e90	e85	485	1,730	1,970	1,610	2,900	1,830
28	909	e180	e120	e105	e90	e85	529	1,910	2,010	1,540	1,480	1,370
29	784	e176	e120	e105	e90	e85	584	1,860	2,080	2,000	1,030	1,110
30	686	e173	e120	e105	---	e85	631	1,910	2,110	3,810	1,070	960
31	604	---	e120	e100	---	e90	---	1,890	---	2,110	1,510	---
Total	29,178	9,236	4,605	3,395	2,750	2,520	7,096	30,455	72,990	70,810	41,608	84,797
Mean	941	308	149	110	94.8	81.3	237	982	2,433	2,284	1,342	2,827
Max	3,020	574	170	120	100	90	631	2,040	4,090	4,340	4,060	10,900
Min	507	173	120	100	90	75	90	479	1,750	1,520	757	777
Ac-ft	57,870	18,320	9,130	6,730	5,450	5,000	14,070	60,410	144,800	140,500	82,530	168,200
Cfsm	7.35	2.41	1.16	0.86	0.74	0.64	1.85	7.68	19.0	17.8	10.5	22.1
In.	8.48	2.68	1.34	0.99	0.80	0.73	2.06	8.85	21.21	20.58	12.09	24.64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2012, BY WATER YEAR (WY) #

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,124	554	302	248	164	136	261	1,269	2,408	1,737	1,097	1,401
Max	2,924	2,346	976	943	688	407	500	2,324	3,790	2,931	1,631	2,827
(WY)	(2004)	(2003)	(2003)	(2009)	(2003)	(1998)	(1998)	(2005)	(1998)	(2001)	(1999)	(2012)
Min	289	161	84.5	75.2	61.6	60.6	87.8	752	1,716	788	479	357
(WY)	(1997)	(1997)	(1997)	(1998)	(1998)	(1999)	(1999)	(2001)	(1996)	(1997)	(2004)	(2004)

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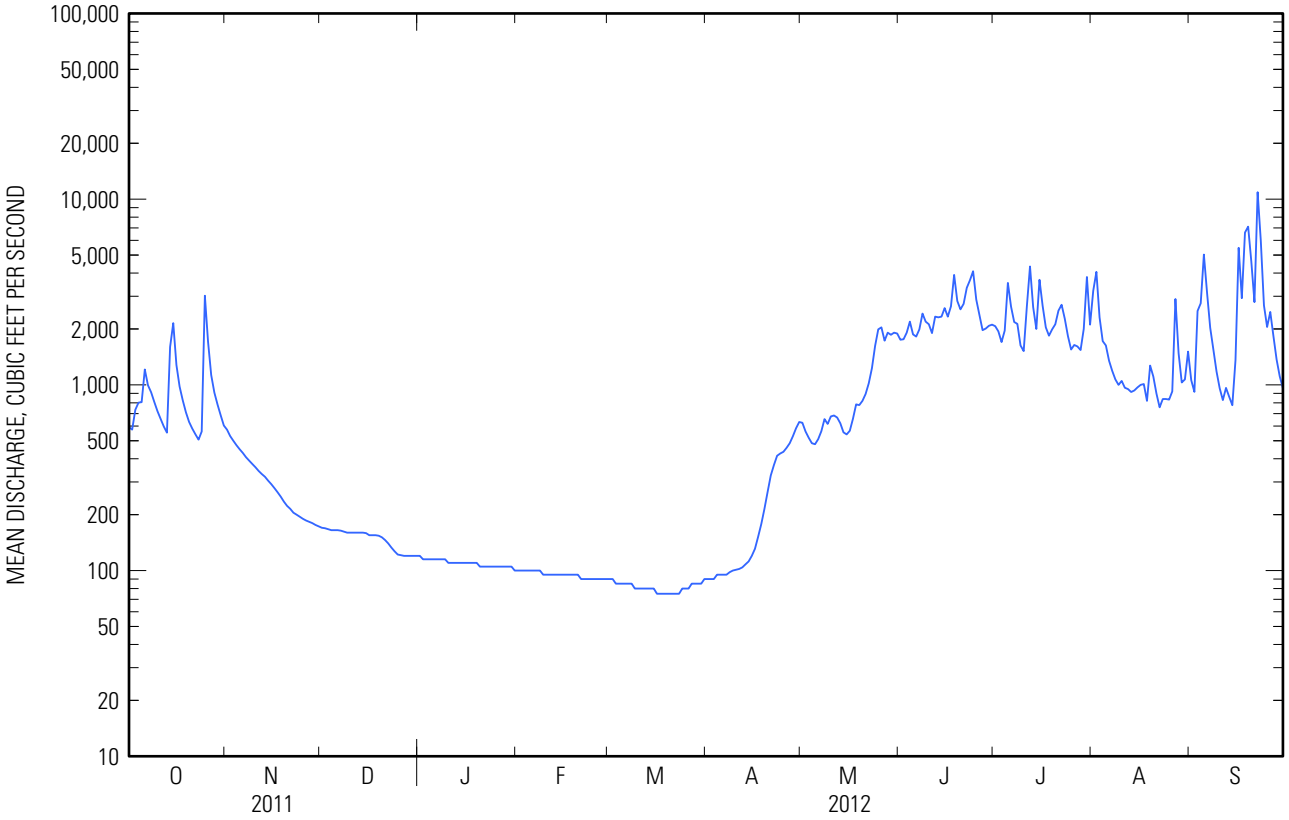
SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1996 - 2012#	
Annual total	292,100		359,440			
Annual mean	800		982		906	
Highest annual mean					1,188	2003
Lowest annual mean					622	1997
Highest daily mean	5,100	Sep 8	10,900	Sep 22	33,800	Oct 1, 2003
Lowest daily mean	77	Mar 26	75	Mar 16	38	Jan 5, 1997
Annual seven-day minimum	77	Mar 25	75	Mar 16	40	Jan 2, 1997
Maximum peak flow			16,100	Sep 22	53,000	Oct 1, 2003
Maximum peak stage			69.99	Sep 22	78.42	Oct 1, 2003
Instantaneous low flow					38	Jan 5, 1997
Annual runoff (ac-ft)	579,400		712,900		656,400	
Annual runoff (cfsm)	6.25		7.67		7.08	
Annual runoff (inches)	84.89		104.46		96.18	
10 percent exceeds	1,990		2,500		2,200	
50 percent exceeds	561		530		500	
90 percent exceeds	87		90		95	

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