Water-Data Report 2012

15388960 PORCUPINE RIVER NEAR INTERNATIONAL BOUNDARY, AK

Undefined Basin

LOCATION.--Lat 67°25′27″, long 140°53′28″ referenced to North American Datum of 1927, Hydrologic Unit is unknown, 3.1 mi upstream from old townsite of Ramparts House, at Alaska-Yukon Territory Boundary.

DRAINAGE AREA.--23,100 mi^2, approximately.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1987 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 600 ft above sea level, from topographic map.

COOPERATION.--Discharge records furnished by the Water Survey of Canada.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Differences between data published herein and corresponding data in the reports of the Water Survey of Canada are due to variations in automated program techniques. After December 1978, data published in reports of the Water Survey of Canada are in International System (SI) units, and have been converted to inch-pound units for this report. Formerly the data reported in the USGS Water-Data Report were one year prior to those reported for U.S. gages because the Water Survey of Canada discharge records for the calendar year were not received until the following year. Since the 2003 water year, periods of record for this station are current with U.S. gage reports.

15388960 PORCUPINE RIVER NEAR INTERNATIONAL BOUNDARY, AK—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e6,460	e2,670	e1,810	e1,270	e946	e798	e749	e742	54,700	20,500	14,500	11,400
2	e5,900	e2,610	e1,790	e1,260	e939	e794	e749	e742	47,000	16,800	14,800	11,000
3	e5,470	e2,580	e1,770	e1,250	e929	e787	e745	e745	41,000	14,000	14,800	10,800
4	e5,120	e2,540	e1,740	e1,240	e922	e784	e745	e745	36,400	12,000	14,800	11,100
5	e4,770	e2,510	e1,720	e1,230	e911	e784	e745	e745	31,700	10,800	14,300	11,400
6	e4,450	e2,470	e1,700	e1,210	e904	e784	e745	e749	27,600	10,100	13,300	11,800
7	e4,030	e2,440	e1,680	e1,200	e897	e780	e745	e787	23,900	9,710	12,200	12,300
8	e3,710	e2,400	e1,660	e1,190	e890	e780	e742	e840	20,700	9,570	11,200	12,400
9	e3,390	e2,370	e1,640	e1,180	e886	e777	e742	e893	18,400	10,200	10,100	12,600
10	e3,180	e2,330	e1,620	e1,170	e883	e777	e742	e950	16,600	11,200	9,250	13,800
11	e3,070	e2,300	e1,600	e1,160	e876	e777	e742	e1,060	14,900	11,900	8,790	17,300
12	e3,280	e2,260	e1,580	e1,150	e872	e773	e742	e1,240	13,800	12,400	8,510	19,700
13	e3,670	e2,230	e1,560	e1,140	e869	e773	e742	e1,480	14,000	14,600	8,440	21,300
14	e4,030	e2,200	e1,540	e1,130	e862	e770	e742	e1,860	14,600	20,700	8,720	23,200
15	e4,240	e2,180	e1,530	e1,120	e858	e770	e742	e2,430	18,100	26,400	15,700	24,900
16	e4,310	e2,150	e1,510	e1,110	e855	e770	e742	e3,460	19,600	33,200	22,200	24,900
17	e4,240	e2,120	e1,500	e1,090	e851	e766	e742	e5,440	20,900	48,000	21,300	23,100
18	e3,990	e2,090	e1,490	e1,080	e844	e766	e742	e8,690	23,600	54,400	19,500	21,400
19	e3,810	e2,060	e1,470	e1,070	e840	e763	e742	e13,900	29,800	46,300	20,100	20,000
20	e3,640	e2,040	e1,450	e1,060	e837	e763	e742	e22,200	50,100	37,400	21,000	18,600
21	e3,530	e2,010	e1,440	e1,050	e833	e763	e742	e35,300	58,300	32,500	19,500	17,600
22	e3,430	e1,990	e1,430	e1,040	e826	e759	e742	e56,900	54,400	29,200	16,800	16,400
23	e3,280	e1,970	e1,410	e1,030	e823	e759	e742	e93,200	45,600	26,400	14,300	15,300
24	e3,180	e1,950	e1,400	e1,020	e819	e756	e742	e174,000	38,800	23,300	12,800	14,400
25	e3,070	e1,930	e1,380	e1,010	e816	e756	e742	223,000	37,100	20,200	12,700	13,800
26	e2,980	e1,910	e1,370	e1,000	e809	e756	e742	186,000	36,000	17,400	12,500	13,500
27	e2,910	e1,890	e1,360	e992	e805	e752	e742	148,000	36,700	15,400	12,000	13,000
28	e2,860	e1,870	e1,340	e985	e802	e752	e742	119,000	37,100	14,200	11,800	12,700
29	e2,820	e1,850	e1,320	e975	---	e752	e742	97,800	31,200	14,000	12,200	12,200
30	e2,770	e1,830	e1,310	e964	---	e749	e742	79,100	25,100	13,600	12,300	11,700
31	e2,720	---	e1,290	e957	---	e749	---	64,300	---	13,800	11,900	---
Total	118,310	65,750	47,410	34,333	24,204	23,839	22,289	1,346,298	937,700	650,180	432,310	473,600
Mean	3,816	2,192	1,529	1,108	864	769	743	43,430	31,260	20,970	13,950	15,790
Max	6,460	2,670	1,810	1,270	946	798	749	223,000	58,300	54,400	22,200	24,900
Min	2,720	1,830	1,290	957	802	749	742	742	13,800	9,570	8,440	10,800
Ac-ft	234,700	130,400	94,040	68,100	48,010	47,280	44,210	2,670,000	1,860,000	1,290,000	857,500	939,400
Cfsm	0.17	0.09	0.07	0.05	0.04	0.03	0.03	1.88	1.35	0.91	0.60	0.68
In.	0.19	0.11	0.08	0.06	0.04	0.04	0.04	2.17	1.51	1.05	0.70	0.76

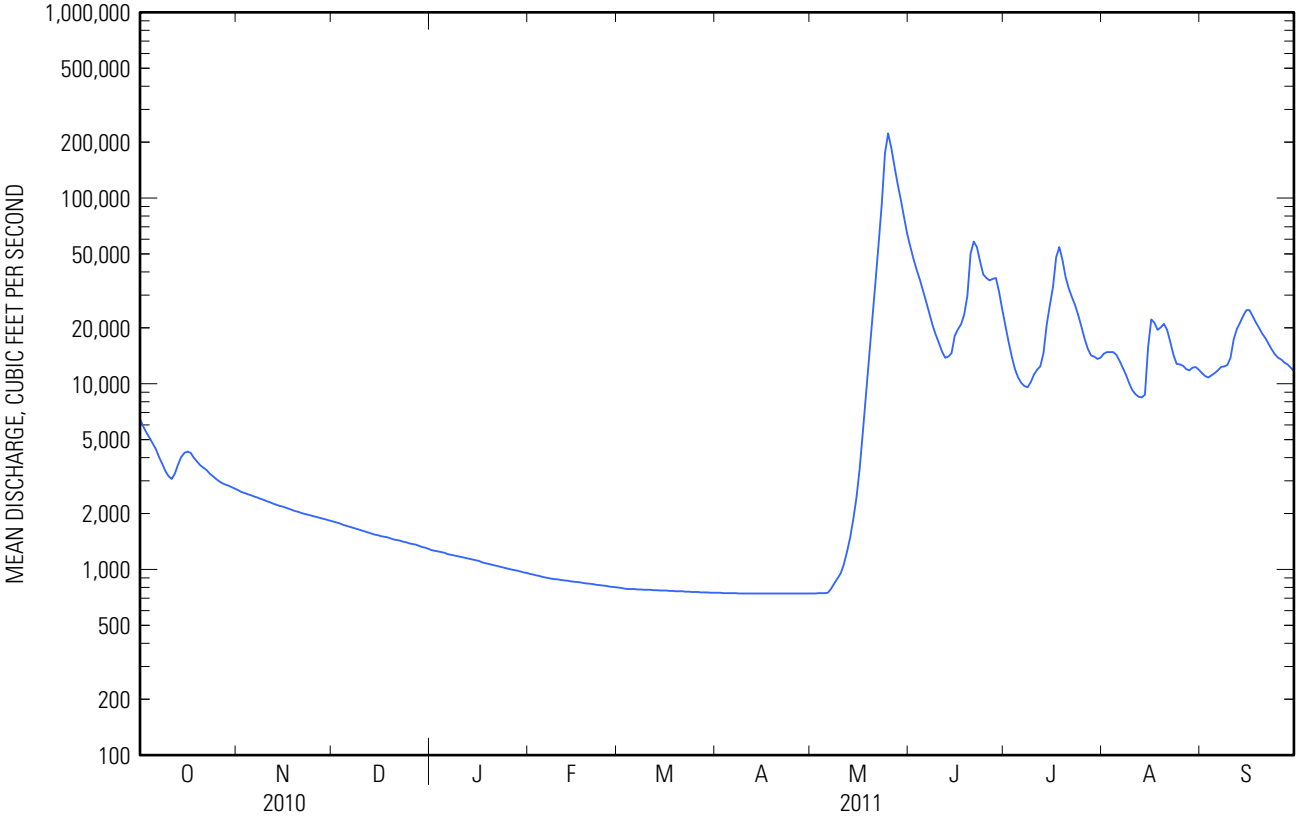
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	4,951	1,958	1,152	844	696	642	787	36,500	37,530	16,300	21,440	16,270
Max	14,140	3,298	1,638	1,176	966	870	1,711	64,930	86,470	33,190	64,610	34,320
(WY)	(2007)	(2007)	(2004)	(2004)	(2001)	(2001)	(1998)	(2006)	(1992)	(2010)	(2010)	(1995)
Min	2,278	1,122	826	551	398	383	518	1,369	13,100	4,187	5,819	3,932
(WY)	(2005)	(1997)	(2008)	(1997)	(1997)	(1997)	(2006)	(2001)	(2010)	(2004)	(2005)	(2004)

15388960 PORCUPINE RIVER NEAR INTERNATIONAL BOUNDARY, AK—Continued

SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1988 - 2011	
Annual total	4,975,030		4,176,223			
Annual mean	13,630		11,440		11,640	
Highest annual mean					17,170	2006
Lowest annual mean					6,569	1999
Highest daily mean	150,000	Aug 11	223,000	May 25	248,000	Jun 1, 1992
Lowest daily mean	639	Mar 22	742	Apr 8	367	Mar 3, 1997
Annual seven-day minimum	639	Mar 22	742	Apr 8	369	Mar 1, 1997
Maximum peak flow			240,000	May 25	250,000	Jun 1, 1992
Maximum peak stage			50.20	May 25	50.76	Jun 1, 1992
Annual runoff (ac-ft)	9,868,000		8,284,000		8,435,000	
Annual runoff (cfsm)	0.590		0.495		0.504	
Annual runoff (inches)	8.01		6.73		6.85	
10 percent exceeds	36,700		26,400		33,600	
50 percent exceeds	2,980		2,230		2,110	
90 percent exceeds	653		749		636	



15388960 PORCUPINE RIVER NEAR INTERNATIONAL BOUNDARY, AK—Continued

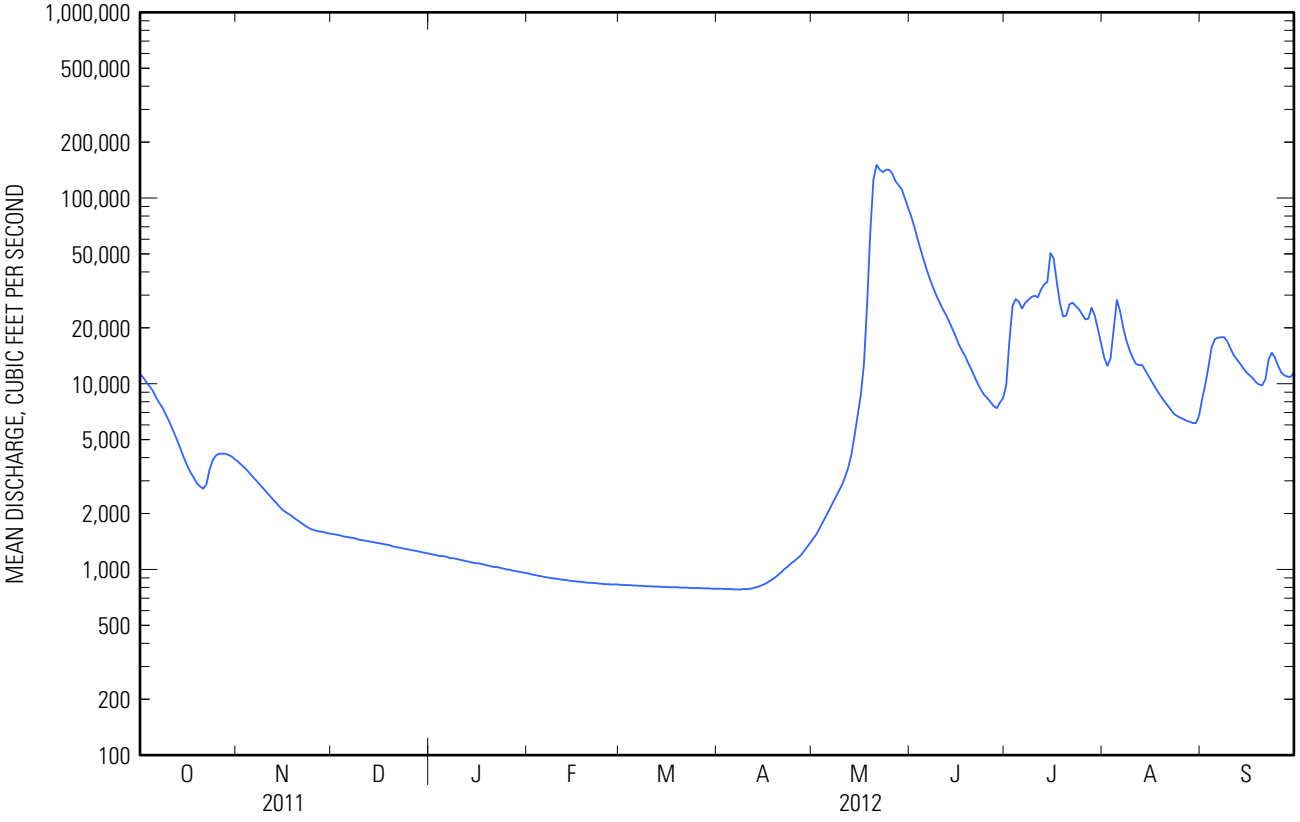
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	11,300	e3,810	e1,550	e1,210	e950	e826	e787	e1,470	79,100	9,820	13,800	8,330
2	10,800	e3,670	e1,540	e1,200	e939	e826	e787	e1,550	69,200	16,900	12,500	9,960
3	10,200	e3,530	e1,530	e1,190	e932	e823	e784	e1,670	59,700	26,200	13,700	12,400
4	9,710	e3,400	e1,510	e1,180	e925	e823	e784	e1,800	52,300	28,600	19,700	15,800
5	9,180	e3,250	e1,500	e1,180	e918	e819	e784	e1,940	45,900	27,600	28,200	17,400
6	8,510	e3,110	e1,490	e1,170	e911	e819	e780	e2,090	40,300	25,400	24,600	17,700
7	7,910	e2,980	e1,480	e1,150	e904	e816	e780	e2,260	36,000	27,200	20,100	17,800
8	7,490	e2,850	e1,470	e1,150	e900	e816	e780	e2,440	32,500	28,300	17,100	17,800
9	6,920	e2,730	e1,450	e1,140	e893	e812	e784	e2,630	29,600	29,300	15,200	16,800
10	6,390	e2,610	e1,440	e1,130	e890	e812	e784	e2,840	27,200	29,800	13,800	15,400
11	e5,860	e2,500	e1,430	e1,120	e883	e809	e787	e3,140	25,100	29,200	12,800	14,200
12	e5,330	e2,390	e1,420	e1,110	e879	e809	e794	e3,520	23,400	32,100	12,600	13,500
13	e4,840	e2,290	e1,410	e1,100	e876	e809	e802	e4,130	21,500	34,300	12,600	12,800
14	e4,380	e2,190	e1,400	e1,090	e869	e805	e812	e5,230	19,700	35,300	11,800	12,100
15	e3,950	e2,100	e1,390	e1,080	e865	e805	e826	e6,740	18,000	50,500	11,000	11,500
16	e3,600	e2,040	e1,380	e1,080	e862	e802	e840	e8,690	16,300	47,300	10,300	11,100
17	e3,330	e1,990	e1,370	e1,070	e858	e802	e862	e12,800	15,100	35,300	9,640	10,700
18	e3,120	e1,940	e1,360	e1,060	e855	e802	e883	e26,800	14,100	27,100	9,040	10,200
19	e2,910	e1,880	e1,350	e1,050	e851	e802	e907	e65,700	12,900	23,000	8,510	9,890
20	e2,800	e1,830	e1,330	e1,040	e847	e798	e939	e126,000	11,900	23,300	8,050	9,820
21	e2,720	e1,780	e1,320	e1,030	e847	e798	e971	151,000	10,900	26,800	7,660	10,600
22	e2,870	e1,730	e1,310	e1,030	e844	e798	e1,010	142,000	10,000	27,300	7,270	13,500
23	e3,440	e1,690	e1,300	e1,020	e840	e794	e1,040	138,000	9,290	26,200	6,890	14,700
24	e3,880	e1,650	e1,290	e1,010	e837	e794	e1,080	142,000	8,720	25,200	6,710	13,800
25	e4,100	e1,630	e1,280	e1,000	e833	e794	e1,110	142,000	8,370	23,700	6,570	12,500
26	e4,200	e1,610	e1,270	e996	e833	e794	e1,150	135,000	7,980	22,200	6,460	11,500
27	e4,200	e1,600	e1,260	e985	e830	e791	e1,190	123,000	7,590	22,400	6,320	11,100
28	e4,200	e1,590	e1,250	e978	e830	e791	e1,250	117,000	7,380	25,700	6,250	10,900
29	e4,130	e1,570	e1,240	e971	e830	e791	e1,320	111,000	7,910	23,300	6,140	10,900
30	e4,060	e1,560	e1,230	e964	---	e787	e1,390	98,900	8,370	19,700	6,140	11,500
31	e3,920	---	e1,220	e957	---	e787	---	88,300	---	16,500	6,740	---
Total	170,250	69,500	42,770	33,441	25,331	24,954	27,797	1,671,640	736,310	845,520	358,190	386,200
Mean	5,492	2,317	1,380	1,079	873	805	927	53,920	24,540	27,270	11,550	12,870
Max	11,300	3,810	1,550	1,210	950	826	1,390	151,000	79,100	50,500	28,200	17,800
Min	2,720	1,560	1,220	957	830	787	780	1,470	7,380	9,820	6,140	8,330
Ac-ft	337,700	137,900	84,830	66,330	50,240	49,500	55,140	3,316,000	1,460,000	1,677,000	710,500	766,000
Cfsm	0.24	0.10	0.06	0.05	0.04	0.03	0.04	2.33	1.06	1.18	0.50	0.56
In.	0.27	0.11	0.07	0.05	0.04	0.04	0.04	2.69	1.19	1.36	0.58	0.62

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	4,973	1,973	1,161	853	703	648	792	37,190	37,010	16,740	21,050	16,130
Max	14,140	3,298	1,638	1,176	966	870	1,711	64,930	86,470	33,190	64,610	34,320
(WY)	(2007)	(2007)	(2004)	(2004)	(2001)	(2001)	(1998)	(2006)	(1992)	(2010)	(2010)	(1995)
Min	2,278	1,122	826	551	398	383	518	1,369	13,100	4,187	5,819	3,932
(WY)	(2005)	(1997)	(2008)	(1997)	(1997)	(1997)	(2006)	(2001)	(2010)	(2004)	(2005)	(2004)

15388960 PORCUPINE RIVER NEAR INTERNATIONAL BOUNDARY, AK—Continued

SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1988 - 2012	
Annual total	4,227,273		4,391,903			
Annual mean	11,580		12,000		11,660	
Highest annual mean					17,170	2006
Lowest annual mean					6,569	1999
Highest daily mean	223,000	May 25	151,000	May 21	248,000	Jun 1, 1992
Lowest daily mean	742	Apr 8	780	Apr 6	367	Mar 3, 1997
Annual seven-day minimum	742	Apr 8	782	Apr 3	369	Mar 1, 1997
Maximum peak flow			154,000	May 21	250,000	Jun 1, 1992
Maximum peak stage			43.85	May 21	50.76	Jun 1, 1992
Annual runoff (ac-ft)	8,385,000		8,711,000		8,446,000	
Annual runoff (cfsm)	0.501		0.519		0.505	
Annual runoff (inches)	6.81		7.07		6.86	
10 percent exceeds	26,400		27,200		33,300	
50 percent exceeds	2,290		2,720		2,120	
90 percent exceeds	749		812		639