Water-Data Report 2013

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.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	12,600	e3,330	e1,410	e1,060	e904	e812	e780	e752	135,000	15,500	10,100	11,200
2	14,100	e3,150	e1,390	e1,060	e900	e812	e780	e752	130,000	13,900	10,100	10,500
3	14,400	e2,980	e1,370	e1,050	e897	e809	e777	e752	119,000	13,400	10,700	9,960
4	13,500	e2,810	e1,350	e1,050	e890	e809	e777	e752	103,000	15,100	10,500	9,680
5	12,400	e2,660	e1,320	e1,040	e886	e809	e777	e752	87,200	20,200	10,500	9,390
6	11,400	e2,540	e1,310	e1,030	e883	e809	e773	e752	84,000	31,000	9,990	8,930
7	10,600	e2,440	e1,290	e1,030	e876	e805	e773	e756	85,100	33,000	8,930	8,830
8	9,850	e2,340	e1,260	e1,020	e872	e805	e773	e756	90,700	28,000	8,050	8,760
9	9,290	e2,250	e1,250	e1,020	e869	e805	e773	e756	92,500	23,200	7,240	8,900
10	e8,790	e2,190	e1,240	e1,010	e865	e802	e770	e766	79,400	19,400	6,640	9,600
11	e7,130	e2,120	e1,220	e1,010	e858	e802	e770	e784	63,200	19,500	6,180	11,300
12	e5,930	e2,060	e1,210	e1,000	e855	e802	e770	e805	55,400	39,900	5,790	17,500
13	e4,980	e2,010	e1,190	e999	e851	e798	e766	e847	51,200	91,800	5,540	33,500
14	e4,200	e1,970	e1,180	e992	e847	e798	e766	e904	47,300	80,200	5,300	37,800
15	e3,740	e1,930	e1,170	e989	e844	e798	e766	e982	46,300	55,800	5,370	36,000
16	e3,520	e1,890	e1,160	e982	e840	e798	e766	e1,070	42,400	39,500	5,370	34,400
17	e3,380	e1,850	e1,150	e978	e837	e794	e763	e1,160	37,100	29,400	5,510	32,300
18	e3,340	e1,820	e1,140	e975	e833	e794	e763	e1,260	32,400	22,500	5,790	29,300
19	e3,300	e1,780	e1,130	e968	e830	e794	e763	e1,370	29,500	17,700	6,110	26,000
20	e3,300	e1,750	e1,130	e964	e830	e791	e759	e1,490	27,700	14,300	6,810	23,200
21	e3,310	e1,720	e1,120	e957	e826	e791	e759	e1,730	24,400	12,300	7,520	21,000
22	e3,390	e1,680	e1,120	e953	e823	e791	e759	e3,260	21,600	11,300	8,160	19,100
23	e3,500	e1,650	e1,110	e946	e823	e791	e759	e6,920	19,700	10,700	9,320	17,800
24	e3,710	e1,620	e1,110	e943	e819	e787	e756	e18,600	19,700	10,300	10,900	16,800
25	e4,030	e1,590	e1,100	e939	e819	e787	e756	e54,000	20,000	10,600	13,100	15,900
26	e4,270	e1,560	e1,090	e932	e816	e787	e756	119,000	22,100	11,700	16,900	15,200
27	e4,380	e1,530	e1,090	e929	e816	e784	e756	142,000	23,300	12,500	18,200	14,300
28	e4,170	e1,500	e1,080	e925	e812	e784	e752	163,000	22,400	12,300	17,100	13,500
29	e3,920	e1,470	e1,080	e918	---	e784	e752	151,000	20,500	11,500	15,500	12,800
30	e3,710	e1,440	e1,070	e915	---	e780	e752	144,000	17,900	10,900	13,800	12,200
31	e3,520	---	e1,070	e911	---	e780	---	137,000	---	10,400	12,400	---
Total	201,660	61,630	36,910	30,495	23,821	24,692	22,962	958,728	1,650,000	747,800	293,420	535,650
Mean	6,505	2,054	1,191	984	851	797	765	30,930	55,000	24,120	9,465	17,860
Max	14,400	3,330	1,410	1,060	904	812	780	163,000	135,000	91,800	18,200	37,800
Min	3,300	1,440	1,070	911	812	780	752	752	17,900	10,300	5,300	8,760
Ac-ft	400,000	122,200	73,210	60,490	47,250	48,980	45,550	1,902,000	3,273,000	1,483,000	582,000	1,062,000
Cfsm	0.28	0.09	0.05	0.04	0.04	0.03	0.03	1.34	2.38	1.04	0.41	0.77
In.	0.32	0.10	0.06	0.05	0.04	0.04	0.04	1.54	2.66	1.20	0.47	0.86

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	5,032	1,976	1,163	858	709	654	791	36,950	37,710	17,020	20,600	16,200
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)

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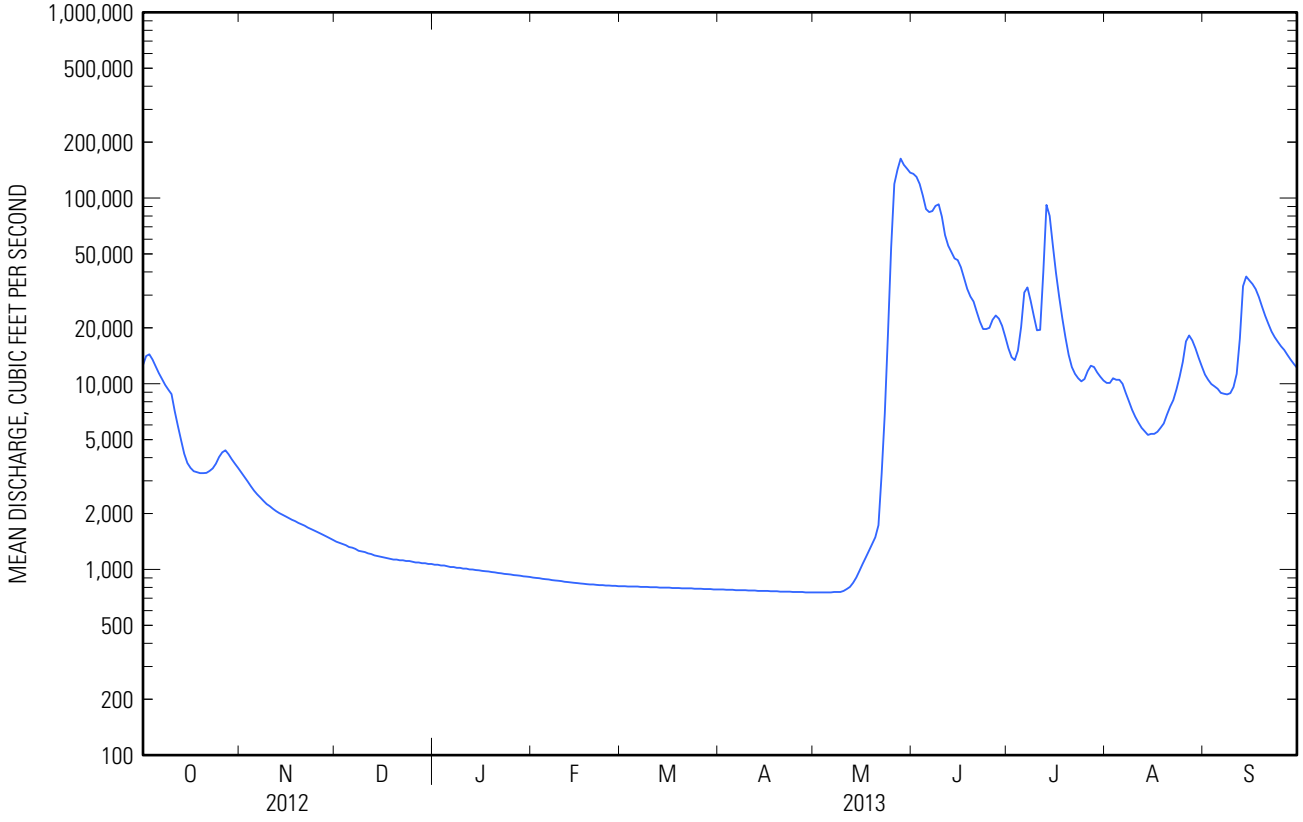
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1988 - 2013	
Annual total	4,409,583		4,587,768			
Annual mean	12,050		12,570		11,690	
Highest annual mean					17,170	2006
Lowest annual mean					6,569	1999
Highest daily mean	151,000	May 21	163,000	May 28	248,000	Jun 1, 1992
Lowest daily mean	780	Apr 6	752	Apr 28	367	Mar 3, 1997
Annual seven-day minimum	782	Apr 3	752	Apr 28	369	Mar 1, 1997
Maximum peak flow			167,000	May 28	250,000	Jun 1, 1992
Maximum peak stage			44.85	May 28	50.76	Jun 1, 1992
Annual runoff (ac-ft)	8,746,000		9,100,000		8,471,000	
Annual runoff (cfsm)	0.522		0.544		0.506	
Annual runoff (inches)	7.10		7.39		6.88	
10 percent exceeds	27,200		31,500		33,200	
50 percent exceeds	2,440		1,750		2,110	
90 percent exceeds	812		777		643