

# YUKON ALASKA

## 15388960 PORCUPINE RIVER NEAR INTERNATIONAL BOUNDARY (International Gaging Station)

LOCATION.--Lat 67°25'2", long 140°53'28", 3.1 mi upstream from old townsite of Ramparts House, at Alaska-Yukon Territory Boundary.

DRAINAGE AREA.--23,100 mi<sup>2</sup>, approximately.

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

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

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.

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

### 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	3050	e1820	e1320	e964	e727	e583	e487	e5830	54500	4560	3900	6190
2	2800	e1800	e1310	e946	e724	e576	e491	e7240	52400	4450	4070	6070
3	2910	e1780	e1300	e939	e720	e572	e491	e10400	46600	4280	5160	5680
4	2740	e1760	e1290	e929	e713	e569	e494	e26300	42700	4160	8040	5400
5	3210	e1740	e1280	e918	e706	e558	e494	e36200	42900	4370	9120	5240
6	3740	e1720	e1270	e904	e699	e551	e494	e44100	40300	4780	8690	5140
7	3320	e1710	e1250	e886	e689	e547	e498	e55600	37400	5110	8200	5220
8	3250	e1690	e1240	e876	e678	e540	e501	e71500	34400	5550	7640	5610
9	3240	e1660	e1230	e865	e674	e530	e505	e97100	30800	5890	7180	6140
10	3050	e1630	e1210	e862	e671	e523	e508	e126000	27200	8060	6690	6690
11	2510	e1610	e1200	e855	e667	e519	e512	100000	24700	10200	6370	7400
12	2480	e1590	e1190	e851	e660	e516	e519	85000	23100	13000	6130	7860
13	2810	e1580	e1170	e844	e657	e512	e526	73900	22000	16300	6030	8540
14	2140	e1560	e1160	e840	e650	e508	e530	69100	20200	19500	5920	9140
15	e1950	e1550	e1150	e837	e646	e505	e537	67300	17200	20900	5740	9940
16	e1720	e1540	e1140	e830	e643	e501	e544	75700	14400	18800	5530	11100
17	e1620	e1530	e1130	e823	e639	e501	e569	88300	12000	15600	5240	12300
18	e1560	e1530	e1130	e816	e632	e498	e593	88400	10500	13200	4900	13600
19	e1530	e1520	e1120	e812	e625	e498	e643	77900	9410	11300	5090	13900
20	e1520	e1500	e1110	e805	e621	e494	e699	64200	8920	10100	4940	13500
21	e1540	e1490	e1100	e798	e618	e494	e770	53700	9360	8850	4870	13200
22	e1590	e1480	e1090	e794	e614	e491	e855	51500	9070	7960	4830	13300
23	e1640	e1470	e1080	e787	e611	e491	e982	48800	8040	7250	4770	13900
24	e1740	e1450	e1070	e777	e604	e491	e1160	48200	6990	6320	4860	14200
25	e1800	e1430	e1060	e766	e597	e487	e1390	45800	6410	5810	4950	15400
26	e1840	e1410	e1050	e756	e593	e487	e1640	40800	5990	5420	4910	19000
27	e1870	e1390	e1030	e745	e590	e487	e2080	40400	5700	5290	4960	22600
28	e1870	e1370	e1020	e742	e586	e487	e2750	44700	5350	4840	5040	25900
29	e1870	e1360	e999	e738	---	e487	e3880	47400	5010	4500	5170	26500
30	e1860	e1340	e985	e731	---	e487	e4770	47800	4690	4090	5480	24300
31	e1840	---	e975	e731	---	e487	---	50200	---	3910	5960	---
TOTAL	70610	47010	35659	25767	18254	15977	30912	1789370	638240	264350	180380	352960
MEAN	2278	1567	1150	831	652	515	1030	57720	21270	8527	5819	11770
MAX	3740	1820	1320	964	727	583	4770	126000	54500	20900	9120	26500
MIN	1520	1340	975	731	586	487	487	5830	4690	3910	3900	5140
AC-FT	140100	93240	70730	51110	36210	31690	61310	3549000	1266000	524300	357800	700100
CFSM	0.10	0.07	0.05	0.04	0.03	0.02	0.04	2.50	0.92	0.37	0.25	0.51
IN.	0.11	0.08	0.06	0.04	0.03	0.03	0.05	2.88	1.03	0.43	0.29	0.57

### STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2005, BY WATER YEAR (WY)

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	4530	1878	1145	843	695	649	781	35120	40850	14750	18490	15760						
MAX	8241	3161	1638	1176	966	870	1711	63160	86470	29580	37940	34320						
(WY)	1996	1999	2004	2004	2001	2001	1998	1990	1992	1994	1991	1995						
MIN	2278	1122	870	551	398	383	562	1369	20410	4187	5819	3932						
(WY)	2005	1997	2000	1997	1997	1997	1997	2001	1999	2004	2005	2004						

### SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1988 - 2005
ANNUAL TOTAL	3100036	3469489	
ANNUAL MEAN	8470	9505	11330
HIGHEST ANNUAL MEAN			16090
LOWEST ANNUAL MEAN			6569
HIGHEST DAILY MEAN	194000	May 20	248000
LOWEST DAILY MEAN	763	Apr 11	b367
ANNUAL SEVEN-DAY MINIMUM	766	Apr 7	369
MAXIMUM PEAK FLOW			c
MAXIMUM PEAK STAGE			May 10
ANNUAL RUNOFF (AC-FT)	6149000	6882000	8209000
ANNUAL RUNOFF (CFSM)	0.367	0.411	0.491
ANNUAL RUNOFF (INCHES)	4.99	5.59	6.66
10 PERCENT EXCEEDS	13000	28600	32900
50 PERCENT EXCEEDS	1590	1760	1990
90 PERCENT EXCEEDS	801	530	639

- a From Mar. 25 to Apr. 1
- b From Mar. 3 to 6
- c Not determined see highest daily mean
- e Estimated