

# ARCTIC SLOPE ALASKA

## 15875000 COLVILLE RIVER AT UMIAT

LOCATION.--Lat 69°21'38", long 152°07'18", in NW<sup>1</sup>/<sub>4</sub>, sec. 15, T. 1 S., R. 1 W. (Umiat B-4 quad), Hydrologic Unit 19060303, on left bank, 1 mile upstream from Seabee Creek, and 1.0 mile east of Umiat.

DRAINAGE AREA.--13,830 mi<sup>2</sup>.

### WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 275 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Rain gage at station. GOES satellite telemetry at station.

#### 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	e1900	e220	e85	e35	e9.5	e0.50	e0.00	e0.00	104000	16800	3430	7190
2	e1600	e210	e80	e35	e9.0	e0.00	e0.00	e0.00	88200	24600	3250	6490
3	e1300	e200	e80	e30	e8.5	e0.00	e0.00	e0.00	72800	23300	3070	5750
4	e976	e200	e80	e30	e8.0	e0.00	e0.00	e0.00	66600	17700	2930	5100
5	e900	e190	e75	e30	e7.5	e0.00	e0.00	e3.0	80900	13800	2850	5740
6	e800	e190	e75	e30	e7.0	e0.00	e0.00	e4.0	117000	11300	2820	7260
7	e700	e180	e70	e30	e6.5	e0.00	e0.00	e5.0	154000	9760	2810	6630
8	e650	e180	e70	e25	e6.0	e0.00	e0.00	e8.0	171000	9920	2950	5880
9	e600	e170	e65	e25	e5.5	e0.00	e0.00	e10	146000	10800	3010	5140
10	e575	e160	e65	e25	e5.5	e0.00	e0.00	e15	131000	11600	3370	4570
11	e550	e160	e65	e25	e5.0	e0.00	e0.00	e20	139000	19500	5310	4150
12	e500	e150	e60	e23	e4.5	e0.00	e0.00	e30	114000	33600	6040	3700
13	e475	e150	e60	e23	e4.0	e0.00	e0.00	e50	96800	33300	5690	3320
14	e450	e140	e60	e20	e4.0	e0.00	e0.00	e70	97700	25500	e4800	3180
15	e425	e140	e55	e20	e3.5	e0.00	e0.00	e100	103000	20500	e4300	3140
16	e400	e130	e55	e20	e3.5	e0.00	e0.00	e200	97100	16600	e4000	3580
17	e380	e130	e55	e20	e3.0	e0.00	e0.00	e400	86800	13800	e3700	e8200
18	e360	e130	e50	e20	e2.5	e0.00	e0.00	e800	82400	12100	3440	e8000
19	e350	e120	e50	e20	e2.5	e0.00	e0.00	e1500	68900	13900	3150	e7800
20	e340	e120	e50	e15	e2.5	e0.00	e0.00	e3000	52300	16100	3010	7420
21	e330	e120	e50	e15	e2.0	e0.00	e0.00	e5000	38000	13600	2950	6930
22	e320	e110	e45	e15	e2.0	e0.00	e0.00	e9000	27600	11500	e2900	6550
23	e300	e110	e45	e15	e1.5	e0.00	e0.00	e14000	21500	9690	e2950	7140
24	e290	e100	e45	e15	e1.5	e0.00	e0.00	e19000	18900	8030	e3000	6930
25	e280	e100	e40	e15	e1.0	e0.00	e0.00	e23000	15500	6700	e3100	6340
26	e270	e100	e40	e15	e1.0	e0.00	e0.00	e26000	13100	5850	e3500	6560
27	e260	e95	e40	e15	e1.0	e0.00	e0.00	28200	12100	5180	e4000	7320
28	e250	e90	e40	e10	e0.50	e0.00	e0.00	35900	11200	4670	e5000	e7000
29	e250	e90	e35	e10	---	e0.00	e0.00	59700	10800	4260	e9900	e6800
30	e240	e85	e35	e10	---	e0.00	e0.00	75900	11300	3920	9130	e6600
31	e230	---	e35	e10	---	e0.00	---	95900	---	3670	8080	---
TOTAL	17251	4270	1755	646	118.50	0.50	0.00	397815.00	2249500	431550	128440	180410
MEAN	556	142	56.6	20.8	4.23	0.02	0.00	12830	74980	13920	4143	6014
MAX	1900	220	85	35	9.5	0.50	0.00	95900	171000	33600	9900	8200
MIN	230	85	35	10	0.50	0.00	0.00	0.00	10800	3670	2810	3140
AC-FT	34220	8470	3480	1280	235	1.0	0.00	789100	4462000	856000	254800	357800
CFSM	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.93	5.42	1.01	0.30	0.43
IN.	0.05	0.01	0.00	0.00	0.00	0.00	0.00	1.07	6.05	1.16	0.35	0.49

#### STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)#

MEAN	6090	516	76.4	10.4	2.14	0.06	0.00	18550	55890	17750	20270	12970
MAX	10490	844	100	20.8	4.23	0.16	0.00	42120	74980	24030	31800	21030
(WY)	2004	2003	2003	2005	2005	2004	2003	2004	2005	2003	2003	2002
MIN	556	142	56.6	3.55	0.00	0.00	0.00	690	24940	13920	4143	6014
(WY)	2005	2005	2005	2003	2003	2003	2003	2003	2004	2005	2005	2005

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

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## 15875000 COLVILLE RIVER AT UMIAT—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 2002 - 2005#
ANNUAL TOTAL	3685071.00	3411756.00	
ANNUAL MEAN	10070	9347	10800
HIGHEST ANNUAL MEAN			12110
LOWEST ANNUAL MEAN			9347
HIGHEST DAILY MEAN	227000	171000	227000
LOWEST DAILY MEAN	a0.00	b0.00	c0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	0.00	0.00
MAXIMUM PEAK FLOW		179000	261000
MAXIMUM PEAK STAGE		57.17	58.86
ANNUAL RUNOFF (AC-FT)	7309000	6767000	7825000
ANNUAL RUNOFF (CFSM)	0.728	0.676	0.781
ANNUAL RUNOFF (INCHES)	9.91	9.18	10.61
10 PERCENT EXCEEDS	26300	19900	27300
50 PERCENT EXCEEDS	130	140	275
90 PERCENT EXCEEDS	0.00	0.00	0.00

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

a Mar. 6 to May 9

b Mar. 2 to May 4

c No flow during winter months