

ARCTIC SLOPE ALASKA

15875000 COLVILLE RIVER AT UMIAT

LOCATION.--Lat 69°21'38", long 152°07'18", in NW¹/₄, 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 mi².

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. GOES satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3250	e1100	e250	e15	e3.0	e1.0	e0.00	e0.00	99100	5980	25600	13900
2	3350	e1000	e200	e15	e3.0	e1.0	e0.00	e0.00	89200	5260	79600	19500
3	18300	e1000	e200	e10	e3.0	e1.0	e0.00	e0.00	76800	4830	56000	36400
4	77500	e900	e150	e10	e3.0	e1.0	e0.00	e0.00	58900	4600	35500	48900
5	68300	e900	e150	e10	e3.0	e1.0	e0.00	e0.00	51100	4490	26400	39000
6	36400	e800	e150	e10	e3.0	e0.00	e0.00	e0.00	42500	4640	20000	30400
7	22700	e800	e100	e9.0	e3.0	e0.00	e0.00	e0.00	35200	5840	16700	23100
8	14700	e800	e100	e9.0	e3.0	e0.00	e0.00	e0.00	31200	10000	14800	17900
9	10600	e700	e100	e8.0	e3.0	e0.00	e0.00	e0.00	26300	13900	13300	14600
10	8790	e700	e90	e8.0	e3.0	e0.00	e0.00	e1.0	22500	17600	12600	12300
11	7990	e700	e80	e8.0	e2.0	e0.00	e0.00	e2.0	18400	27300	14400	10800
12	7260	e600	e70	e7.0	e2.0	e0.00	e0.00	e3.0	15800	35900	16600	9900
13	6520	e600	e60	e7.0	e2.0	e0.00	e0.00	e4.0	13800	28100	14400	9330
14	5430	e600	e60	e7.0	e2.0	e0.00	e0.00	e6.0	12500	20700	17500	8880
15	4550	e500	e50	e7.0	e2.0	e0.00	e0.00	e8.0	11500	15600	69900	8280
16	3970	e500	e50	e6.0	e2.0	e0.00	e0.00	e10	11300	12200	65000	7270
17	3310	e500	e40	e6.0	e2.0	e0.00	e0.00	e20	12200	9880	42900	6150
18	2620	e400	e40	e6.0	e2.0	e0.00	e0.00	e80	12400	8710	31600	5310
19	e2200	e400	e40	e6.0	e2.0	e0.00	e0.00	e400	11200	8580	26500	4610
20	e2000	e400	e30	e5.0	e2.0	e0.00	e0.00	e4000	10600	24800	22500	e4050
21	e1800	e400	e30	e5.0	e2.0	e0.00	e0.00	e20000	11000	49100	18900	e3900
22	e1700	e300	e30	e5.0	e2.0	e0.00	e0.00	e50000	8970	34400	16600	e3750
23	e1600	e300	e25	e5.0	e2.0	e0.00	e0.00	e100000	7920	26000	14900	e3600
24	e1500	e300	e25	e4.0	e2.0	e0.00	e0.00	227000	7420	20100	13800	e3450
25	e1400	e300	e25	e4.0	e1.0	e0.00	e0.00	199000	6950	15800	13000	e3250
26	e1400	e300	e20	e4.0	e1.0	e0.00	e0.00	194000	7030	12600	12700	e3100
27	e1300	e250	e20	e4.0	e1.0	e0.00	e0.00	134000	9470	10600	12600	e2900
28	e1300	e250	e20	e4.0	e1.0	e0.00	e0.00	93400	10800	9630	12200	e2700
29	e1200	e250	e15	e3.0	e1.0	e0.00	e0.00	92900	9010	9310	11500	e2500
30	e1200	e250	e15	e3.0	---	e0.00	e0.00	92200	7160	8980	11100	e2200
31	e1100	---	e15	e3.0	---	e0.00	---	98700	---	9090	12000	---
TOTAL	325240	16800	2250	213.0	63.0	5.00	0.00	1305734.00	748230	474520	771100	361930
MEAN	10490	560	72.6	6.87	2.17	0.16	0.00	42120	24940	15310	24870	12060
MAX	77500	1100	250	15	3.0	1.0	0.00	227000	99100	49100	79600	48900
MIN	1100	250	15	3.0	1.0	0.00	0.00	0.00	6950	4490	11100	2200
AC-FT	645100	33320	4460	422	125	9.9	0.00	2590000	1484000	941200	1529000	717900
CFSM	0.76	0.04	0.01	0.00	0.00	0.00	0.00	3.05	1.80	1.11	1.80	0.87
IN.	0.87	0.05	0.01	0.00	0.00	0.00	0.00	3.51	2.01	1.28	2.07	0.97

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

	2002	2003	2004	2002	2003	2004	2002	2003	2004	2002	2003	2004
MEAN	8856	702	86.4	5.21	1.11	0.08	0.00	21410	46350	19670	28340	15280
MAX	10490	844	100	6.87	2.17	0.16	0.00	42120	67760	24030	31800	21030
(WY)	2004	2003	2003	2004	2004	2004	2003	2004	2003	2003	2003	2002
MIN	7221	560	72.6	3.55	0.00	0.00	0.00	690	24940	15310	24870	12060
(WY)	2003	2004	2004	2003	2003	2003	2003	2003	2004	2004	2004	2004

See Period of Record, partial years used in monthly statistics
e Estimated

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004#	
ANNUAL TOTAL	4512170.50		4006085.00			
ANNUAL MEAN	12360		10950		11530	
HIGHEST ANNUAL MEAN					12110 2003	
LOWEST ANNUAL MEAN					10950 2004	
HIGHEST DAILY MEAN	225000	Jun 10	227000	May 24	227000	May 24 2004
LOWEST DAILY MEAN	a0.00	Jan 19	b0.00	Mar 6	c0.00	Jan 19 2003
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 19	0.00	Mar 6	0.00	Jan 19 2003
MAXIMUM PEAK FLOW			261000	May 24	261000	May 24 2004
MAXIMUM PEAK STAGE			58.86	May 24	58.86	May 24 2004
ANNUAL RUNOFF (AC-FT)	8950000		7946000		8351000	
ANNUAL RUNOFF (CFSM)	0.894		0.791		0.833	
ANNUAL RUNOFF (INCHES)	12.14		10.78		11.32	
10 PERCENT EXCEEDS	33500		27500		29600	
50 PERCENT EXCEEDS	400		400		500	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

See Period of Record, partial years used in monthly statistics

a Jan. 19 to May 8

b Mar. 6 to May 9

c No flow during winter months