ARCTIC SLOPE ALASKA

15875000 COLVILLE RIVER AT UMIAT

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1953, 1969, 1975, 1978, 2002 to current year.

PERIOD OF DAILY RECORD.--
  WATER TEMPERATURE: August 2002 to current year.

INSTRUMENTATION.--Electronic water-temperature recorder set for 1-hour recording interval.

REMARKS.--No record from November 14, 2003 to May 22, 2004, and September 20 - 30, 2004, due to no flow conditions
  or probe out of water. Records represent water-temperature at the sensor within 0.5°C.

EXTREMES FOR PERIOD OF RECORD.--
  WATER TEMPERATURE: Maximum, 18.5°C, July 2 and 26, 2004; minimum, 0.0°C on many days during winter periods.

EXTREMES FOR PERIOD.--
  WATER TEMPERATURE: Maximum, 18.5°C, July 2 and 26, 2004; minimum 0.0°C on many days during winter.

WATER TEMPERATURE, (DEGREES CELSIUS), WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	2.0	0.5	1.0	0.0	0.0	0.0	---	---	---	---	---	---
2	1.5	1.0	1.5	0.0	0.0	0.0	---	---	---	---	---	---
3	1.5	0.0	1.0	0.0	0.0	0.0	---	---	---	---	---	---
4	0.5	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---	---
5	0.5	0.0	0.5	0.0	0.0	0.0	---	---	---	---	---	---
6	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---	---
7	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---	---
8	0.5	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---	---
9	0.5	0.0	0.5	0.0	0.0	0.0	---	---	---	---	---	---
10	0.5	0.5	0.5	0.0	0.0	0.0	---	---	---	---	---	---
11	0.5	0.5	0.5	0.0	0.0	0.0	---	---	---	---	---	---
12	0.5	0.5	0.5	0.0	0.0	0.0	---	---	---	---	---	---
13	0.5	0.5	0.5	0.0	0.0	0.0	---	---	---	---	---	---
14	0.5	0.5	0.5	---	---	---	---	---	---	---	---	---
15	0.5	0.5	0.5	---	---	---	---	---	---	---	---	---
16	0.5	0.0	0.5	---	---	---	---	---	---	---	---	---
17	0.5	0.0	0.0	---	---	---	---	---	---	---	---	---
18	0.0	0.0	0.0	---	---	---	---	---	---	---	---	---
19	0.0	0.0	0.0	---	---	---	---	---	---	---	---	---
20	0.0	0.0	0.0	---	---	---	---	---	---	---	---	---
21	0.0	0.0	0.0	---	---	---	---	---	---	---	---	---
22	0.0	0.0	0.0	---	---	---	---	---	---	---	---	---
23	0.0	0.0	0.0	---	---	---	---	---	---	---	---	---
24	0.0	0.0	0.0	---	---	---	---	---	---	---	---	---
25	0.0	0.0	0.0	---	---	---	---	---	---	---	---	---
26	0.0	0.0	0.0	---	---	---	---	---	---	---	---	---
27	0.0	0.0	0.0	---	---	---	---	---	---	---	---	---
28	0.0	0.0	0.0	---	---	---	---	---	---	---	---	---
29	0.0	0.0	0.0	---	---	---	---	---	---	---	---	---
30	0.0	0.0	0.0	---	---	---	---	---	---	---	---	---
31	0.0	0.0	0.0	---	---	---	---	---	---	---	---	---
MONTH	2.0	0.0	0.3	---	---	---	---	---	---	---	---	---

ARCTIC SLOPE ALASKA

15875000 COLVILLE RIVER AT UMIAT—Continued

WATER TEMPERATURE, (DEGREES CELSIUS), WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	0.5	0.0	0.0
24	---	---	---	---	---	---	---	---	---	1.0	0.0	0.5
25	---	---	---	---	---	---	---	---	---	1.0	0.5	1.0
26	---	---	---	---	---	---	---	---	---	1.0	0.5	0.5
27	---	---	---	---	---	---	---	---	---	1.5	0.5	0.5
28	---	---	---	---	---	---	---	---	---	2.0	1.5	1.5
29	---	---	---	---	---	---	---	---	---	3.0	2.0	2.0
30	---	---	---	---	---	---	---	---	---	4.0	3.0	3.0
31	---	---	---	---	---	---	---	---	---	7.0	4.0	4.5
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.0	5.5	6.5	15.0	13.0	14.0	12.0	10.0	11.0	11.0	9.5	10.0
2	7.5	6.5	7.0	18.5	13.5	16.0	10.5	10.0	10.5	10.0	8.0	9.5
3	9.0	7.0	8.0	18.0	15.5	16.5	11.5	10.5	11.0	8.0	7.0	7.0
4	10.5	8.0	9.0	16.0	14.0	15.0	13.0	10.5	11.5	7.0	6.0	6.5
5	11.5	9.5	10.5	16.0	12.0	13.5	14.0	12.5	13.0	6.5	6.0	6.0
6	11.5	10.0	11.0	15.5	11.5	13.5	15.0	13.0	14.0	6.5	5.5	6.0
7	11.5	10.0	11.0	14.5	13.0	14.0	16.0	14.5	15.0	7.5	6.0	6.5
8	11.5	10.0	11.0	14.0	12.0	13.0	16.5	14.5	15.5	9.0	7.5	8.0
9	11.0	9.5	10.0	13.5	12.5	13.0	16.5	15.0	15.5	8.0	7.5	7.5
10	10.0	8.5	9.0	12.5	12.0	12.0	15.5	14.5	15.0	8.5	7.0	7.5
11	9.5	8.5	9.0	14.0	11.5	13.0	15.5	14.0	15.0	8.0	6.5	7.0
12	9.0	8.0	8.5	14.0	13.5	13.5	15.0	14.0	14.5	7.5	5.5	6.5
13	11.0	8.0	9.5	14.5	13.0	14.0	15.0	14.0	14.5	7.0	6.0	6.5
14	13.0	9.5	11.0	15.5	14.0	14.5	15.0	13.5	14.0	7.0	5.0	6.0
15	14.5	12.0	13.5	16.0	15.0	15.5	14.5	13.5	14.0	7.0	5.0	6.0
16	16.0	13.5	14.5	15.0	14.5	15.0	15.5	14.0	14.5	7.0	5.0	6.0
17	15.5	14.5	15.0	16.0	14.5	15.5	16.5	15.0	15.5	8.0	5.5	6.5
18	15.5	11.5	14.0	17.0	15.5	16.5	17.5	16.0	16.5	8.0	4.5	6.0
19	15.0	13.5	14.5	16.5	14.5	15.5	17.5	16.5	17.0	---	---	---
20	15.5	14.0	15.0	15.0	14.0	14.5	17.0	15.5	16.0	---	---	---
21	15.0	13.5	14.5	14.0	12.5	13.0	16.5	14.5	15.5	---	---	---
22	16.5	13.5	15.0	15.0	12.5	14.0	17.0	15.5	16.0	---	---	---
23	16.5	15.0	15.5	17.0	14.5	15.5	16.0	13.0	14.5	---	---	---
24	16.0	15.0	15.5	17.5	15.5	16.5	13.0	11.5	12.0	---	---	---
25	15.0	14.5	14.5	18.0	16.0	17.0	12.0	10.5	11.0	---	---	---
26	15.5	13.5	14.5	18.5	16.5	17.5	11.0	10.0	10.5	---	---	---
27	16.5	13.5	15.0	18.0	17.0	17.0	10.5	9.5	10.0	---	---	---
28	17.0	15.0	16.0	17.0	14.0	15.5	12.5	9.5	10.5	---	---	---
29	17.0	14.5	15.5	14.5	13.0	13.5	11.5	10.0	10.5	---	---	---
30	16.0	14.0	15.0	14.0	12.5	13.5	11.0	10.0	10.5	---	---	---
31	---	---	---	14.0	12.0	13.0	12.0	10.0	11.0	---	---	---
MONTH	17.0	5.5	12.3	18.5	11.5	14.6	17.5	9.5	13.4	---	---	---