

# NORTHWEST ALASKA

## 15565700 UNALAKLEET RIVER ABOVE CHIROSKEY RIVER NEAR UNALAKLEET

### WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1982-83, 1998 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: June 1998 to current year.

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

REMARKS.-- No record from December 26 to January 21 and February 15-16 due to frozen probe. Records represent water temperature at the sensor within 0.5°C. Temperature was compared with the stream average by cross section on June 29 and August 13. No variation was found within the June 29 cross section, a 0.1°C variation found within the August 13 cross section. The variation found between mean stream temperature and sensor temperature was less than 0.5°C.

EXTREMES FOR PERIOD OF RECORD.--

WATER TEMPERATURE: Maximum, 15.5°C, July 14, 2004; minimum, 0.0°C, many days during winter and spring breakup periods.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 14.0°C, June 28-29 July 25-27; minimum, 0.0°C, many days during fall, winter and spring breakup periods.

#### WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Stream width, feet (00004)	Sample location, cross section ft from rt bank (72103)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)
JUN								
29...	1701	249	10.0	88.42	1660	10	14.0	19.5
29...	1702	249	50.0	88.42	1660	10	14.0	19.5
29...	1703	249	100.0	88.42	1660	10	14.0	19.5
29...	1704	249	200.0	88.42	1660	10	14.0	19.5
29...	1705	249	200.0	88.42	1660	10	14.0	19.5
AUG								
13...	1800	250	5.0	87.24	584	10	12.9	24.5
13...	1820	250	30.0	87.24	584	10	12.8	24.5
13...	1830	250	75.0	87.24	584	10	12.8	24.5
13...	1840	250	115.0	87.24	584	10	12.9	24.5
13...	1855	250	215.0	87.24	584	10	12.9	24.5

#### TEMPERATURE, WATER (DEGREES CELSIUS), WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	2.5	1.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
2	2.0	1.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
3	1.5	1.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
4	2.5	1.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
5	3.0	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
6	2.5	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
7	2.5	2.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
8	2.5	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
9	2.5	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
10	3.0	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
11	3.0	2.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
12	2.5	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
13	2.5	1.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
14	2.0	1.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
15	2.0	1.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
16	3.0	2.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
17	2.5	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
18	2.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
19	2.0	1.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
20	2.5	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
21	2.0	1.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
22	1.5	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	1.5	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	1.5	1.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	1.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.5	0.0	0.0	0.0	0.0	0.0	---	---	---	0.0	0.0	0.0
27	2.0	0.5	1.0	0.0	0.0	0.0	---	---	---	0.0	0.0	0.0
28	1.0	1.0	1.0	0.0	0.0	0.0	---	---	---	0.0	0.0	0.0
29	1.5	1.0	1.0	0.0	0.0	0.0	---	---	---	0.0	0.0	0.0
30	1.0	0.0	0.5	0.0	0.0	0.0	---	---	---	0.0	0.0	0.0
31	0.0	0.0	0.0	---	---	---	---	---	---	0.0	0.0	0.0
MONTH	3.0	0.0	1.7	0.0	0.0	0.0	---	---	---	---	---	---

# NORTHWEST ALASKA

## 15565700 UNALAKLEET RIVER ABOVE CHIROSKEY RIVER NEAR UNALAKLEET—Continued

TEMPERATURE, WATER (DEGREES CELSIUS), WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.5	1.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.5	1.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.5	1.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.5	1.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.5	1.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.0	1.5
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	1.5	2.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	2.5	3.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	2.5	3.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.0	3.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	3.5	4.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	3.0	3.5
15	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0	4.0	2.5	3.0
16	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0	4.0	3.5	4.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	3.0	3.5
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	3.5	4.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.0	3.5
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	3.5	4.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	4.0	5.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	4.0	4.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	4.5	5.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0	5.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	5.0	6.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	6.0	6.5
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	6.0	6.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	6.5	6.5
29	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0	7.0	6.5	6.5
30	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0	7.5	6.5	7.0
31	---	---	---	0.0	0.0	0.0	---	---	---	---	---	---
MONTH	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---
	JUNE			JULY			AUGUST			SEPTEMBER		
1	6.0	5.5	6.0	13.0	11.0	12.0	13.0	11.0	12.0	8.5	7.5	8.0
2	5.5	5.0	5.5	13.5	11.5	12.5	12.0	10.5	11.5	7.5	7.0	7.0
3	5.0	4.5	4.5	13.5	11.5	12.5	11.5	10.0	10.5	7.5	7.0	7.0
4	5.0	4.5	5.0	13.5	11.5	12.5	11.5	10.5	10.5	8.0	7.0	7.5
5	7.0	5.0	5.5	13.5	11.5	12.5	11.0	10.5	10.5	7.5	7.5	7.5
6	---	7.0	7.0	13.5	11.5	12.5	11.0	10.5	10.5	8.0	7.5	7.5
7	8.5	---	---	12.5	11.5	12.0	11.0	10.0	10.5	8.5	8.0	8.0
8	9.0	8.5	8.5	11.5	10.5	11.0	11.5	10.0	11.0	8.5	7.5	8.0
9	8.5	8.0	8.5	10.5	10.0	10.0	12.5	10.0	11.5	8.0	7.5	7.5
10	9.5	8.0	8.5	10.0	9.0	9.5	13.0	11.5	12.0	8.0	7.5	7.5
11	9.0	8.0	9.0	9.0	8.5	9.0	12.0	11.0	11.5	8.0	8.0	8.0
12	8.5	7.5	8.0	10.0	9.0	9.5	11.5	10.0	10.5	8.0	7.0	7.5
13	10.0	8.5	9.0	11.0	10.0	10.5	13.0	10.5	11.5	7.5	7.0	7.0
14	11.0	9.5	10.0	11.5	9.5	10.5	12.5	11.5	12.0	7.0	7.0	7.0
15	11.5	10.0	10.5	13.0	10.5	12.0	12.0	11.0	11.5	7.0	7.0	7.0
16	12.0	10.5	11.0	13.5	12.0	12.5	12.0	10.5	11.5	7.0	6.5	7.0
17	12.5	11.0	12.0	12.5	11.5	12.0	11.5	10.5	11.0	6.5	6.5	6.5
18	12.0	10.0	11.5	12.0	11.0	11.5	10.5	9.5	10.0	6.5	6.0	6.0
19	10.0	9.0	9.5	11.5	10.0	10.5	9.5	8.5	9.0	6.0	6.0	6.0
20	10.5	8.5	9.5	12.5	10.5	11.5	9.0	8.5	9.0	6.0	6.0	6.0
21	10.5	10.0	10.0	13.0	11.5	12.0	9.5	8.5	9.0	6.0	6.0	6.0
22	10.5	9.5	10.0	13.5	11.5	12.5	9.5	9.0	9.5	6.5	6.0	6.0
23	11.0	9.5	10.0	13.5	12.0	12.5	10.0	9.5	9.5	6.5	6.5	6.5
24	12.0	10.0	11.0	13.5	12.0	12.5	10.0	9.5	9.5	6.5	5.5	5.5
25	12.0	10.5	11.5	14.0	11.5	12.5	10.0	9.0	9.5	5.5	5.5	5.5
26	12.5	11.0	11.5	14.0	12.5	13.0	9.5	9.0	9.0	5.5	5.5	5.5
27	13.0	11.5	12.0	14.0	12.0	13.0	9.0	8.5	8.5	5.5	5.0	5.0
28	14.0	12.0	13.0	13.5	12.5	13.0	8.5	8.5	8.5	5.0	4.0	4.5
29	14.0	13.0	13.5	13.0	11.5	12.0	9.0	8.0	8.5	4.5	4.0	4.0
30	13.5	12.0	12.5	11.5	11.0	11.5	9.5	8.5	9.0	4.0	3.0	3.5
31	---	---	---	13.0	11.0	11.5	9.0	8.5	9.0	---	---	---
MONTH	---	---	---	14.0	8.5	11.7	13.0	8.0	10.2	8.5	3.0	6.5