

SOUTHEAST ALASKA

15056210 TAIYA RIVER NEAR SKAGWAY

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1969-74, 1976-1977, and 2004.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: June to October 1971, July 1972 to October 1973, March to September 1974, February to September 1977, and October 2003 to September 2004.

INSTRUMENTATION.--Electronic water temperature recorder, recorder set at 15 minute recording interval.

REMARKS.--Records represent water temperature at sensor within 0.5°C. Temperature at the sensor was compared with the stream average by cross section on April 6, 2004. No variation was found within the cross section, or between mean stream temperature and temperature at the sensor. Missing record December 1-14, and May 24 to June 24 due to recorder malfunction.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 10.0°C, May 21, 1974 ; minimum, 0.0°C, on many days during winter periods.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 8.5°C, July 16 and 19, but may have been higher during period of missing record; minimum, 0.0°C on many days during winter.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Loca- tion in X-sect. looking dwnstrm ft from l bank (00009)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temper- ature, water, deg C (00010)	Dis- solved oxygen, mg/L (00300)
06...	0923	2.00	79	7.7	2.0	13.9
06...	0924	28.0	79	7.7	2.0	13.9
06...	0925	54.0	79	7.7	2.0	13.9
06...	0926	80.0	79	7.7	2.0	13.9
06...	0927	106	79	7.7	2.0	13.8

Date	Time	Medium code	Sample type	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Sam- pling method, code (82398)	Stream width, feet (00004)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	
DEC	15...	1000	9	9	--	112	10	101	734	13.3	100	7.8	77	-2.0
FEB	10...	1030	9	9	--	325	10	84.0	765	13.2	90	7.7	63	2.0
APR	06...	0915	9	9	12.65	197	10	130	756	13.9	100	7.7	79	1.0
JUN	25...	0730	9	9	16.50	5300	10	190	758	12.6	98	7.1	22	25.0
AUG	17...	0920	9	9	16.16	4620	10	184	760	13.1	104	7.0	17	24.5

Date	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Calcium water unfltrd recover- able, mg/L (00916)	Magnes- ium, water, fltrd, mg/L (00925)	Magnes- ium, water, unfltrd recover- able, mg/L (00927)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alka- linity, wat flt inc tit mg/L as CaCO3 (39086)	Bicar- bonate, wat flt incrm. mg/L (00453)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	
DEC	15...	.5	36	11.8	--	1.65	--	1.55	1.27	34	41	.85	<.2	5.32
FEB	10...	.0	30	9.68	--	1.53	--	1.25	1.09	26	32	1.42	<.2	4.57
APR	06...	2.0	36	11.6	10.7	1.77	1.58	1.54	1.47	34	42	1.24	<.2	5.62
JUN	25...	4.5	9	3.10	5.04	.387	2.40	.57	.28	9	11	1.76	.9	1.21
AUG	17...	5.5	8	2.64	--	.324	--	.43	.18	6	7	.96	<.2	1.01

SOUTHEAST ALASKA

15056210 TAIYA RIVER NEAR SKAGWAY—Continued

Date	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)
DEC 15...	3.5	47	42	<.10	<.10	<.010	.230	<.002	--	<.006	E.002	<.004	--
FEB 10...	2.6	39	45	E.07	E.09	E.008	.316	E.001	--	<.006	E.003	<.04	--
APR 06...	2.6	48	48	E.05	E.07	<.010	.260	<.002	<.02	<.006	E.004	<.004	<.1
JUN 25...	28.6	42	16	E.10	<.10	E.005	.027	<.002	.02	.017	.022	.109	.3
AUG 17...	.7	10	11	<.10	<.10	E.006	E.014	E.001	--	E.003	<.004	.139	--

Date	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, recoverable, ug/L (01106)	Aluminum, water, unfltrd recoverable, ug/L (01105)	Antimony, water, fltrd, ug/L (01095)	Antimony, water, unfltrd ug/L (01097)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Barium, water, unfltrd recoverable, ug/L (01007)	Beryllium, water, fltrd, recoverable, ug/L (01010)	Beryllium, water, unfltrd recoverable, ug/L (01012)	Boron, water, fltrd, ug/L (01020)	Boron, water, unfltrd recoverable, ug/L (01022)	Cadmium water, fltrd, ug/L (01025)
DEC 15...	.9	--	--	--	--	--	--	--	--	--	--	--	--
FEB 10...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 06...	2.3	36	74	<.20	<.2	<.2	37	37	<.06	<.06	<8	<8	<.04
JUN 25...	E.2	48	4760	<.20	<.2	<.2	10	117	<.06	.08	<8	<8	<.04
AUG 17...	E.2	--	--	--	--	--	--	--	--	--	--	--	--

Date	Cadmium water, unfltrd ug/L (01027)	Chromium, water, fltrd, recoverable, ug/L (01030)	Chromium, water, unfltrd recoverable, ug/L (01034)	Cobalt water, fltrd, ug/L (01035)	Cobalt water, unfltrd recoverable, ug/L (01037)	Copper, water, fltrd, ug/L (01040)	Copper, water, unfltrd recoverable, ug/L (01042)	Iron, water, fltrd, ug/L (01046)	Iron, water, unfltrd recoverable, ug/L (01045)	Lead, water, fltrd, recoverable, ug/L (01049)	Lead, water, unfltrd recoverable, ug/L (01051)	Lithium water, fltrd, ug/L (01130)	Lithium water, unfltrd recoverable, ug/L (01132)
DEC 15...	--	--	--	--	--	--	--	23	--	--	--	--	--
FEB 10...	--	--	--	--	--	--	--	61	--	--	--	--	--
APR 06...	<.04	<.8	<.8	.072	.080	1.4	1.6	49	120	.13	.09	<.6	E.4
JUN 25...	.05	<.8	3.6	.034	1.73	E.2	2.6	37	6070	E.06	1.96	E.3	3.5
AUG 17...	--	--	--	--	--	--	--	92	--	--	--	--	--

SOUTHEAST ALASKA

15056210 TAIYA RIVER NEAR SKAGWAY—Continued

Date	Mangan- ese, water, unfltrd recover- able, ug/L (01056)	Mangan- ese, water, unfltrd recover- able, ug/L (01055)	Mercury water, unfltrd recover- able, ug/L (71890)	Mercury water, unfltrd recover- able, ug/L (71900)	Molyb- denum, water, unfltrd recover- able, ug/L (01060)	Molyb- denum, water, unfltrd recover- able, ug/L (01062)	Nickel, water, unfltrd recover- able, ug/L (01065)	Nickel, water, unfltrd recover- able, ug/L (01067)	Selen- ium, water, unfltrd recover- able, ug/L (01145)	Selen- ium, water, unfltrd recover- able, ug/L (01147)	Silver, water, unfltrd recover- able, ug/L (01075)	Silver, water, unfltrd recover- able, ug/L (01077)	Stront- ium, water, unfltrd recover- able, ug/L (01080)
DEC 15...	11.2	--	--	--	--	--	--	--	--	--	--	--	--
FEB 10...	9.7	--	--	--	--	--	--	--	--	--	--	--	--
APR 06...	10.8	12	<.02	<.02	1.2	1.2	.61	.28	<.4	<.4	<.2	<.16	64.0
JUN 25...	5.5	105	<.02	<.02	.6	.6	.12	1.73	<.4	<.4	<.2	<.16	17.7
AUG 17...	8.0	--	--	--	--	--	--	--	--	--	--	--	--

Date	Stront- ium, water, unfltrd recover- able, ug/L (01082)	Thall- ium, water, unfltrd recover- able, ug/L (01057)	Thall- ium, water, unfltrd recover- able, ug/L (01059)	Vanad- ium, water, unfltrd recover- able, ug/L (01085)	Zinc, water, unfltrd recover- able, ug/L (01090)	Zinc, water, unfltrd recover- able, ug/L (01092)	Uranium natural water, unfltrd recover- able, ug/L (22703)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)	Sampler type, code (84164)
DEC 15...	--	--	--	--	--	--	--	2	.60	3044
FEB 10...	--	--	--	--	--	--	--	9	7.9	3044
APR 06...	68.8	<.04	<.2	.2	1.4	E1	.44	1	.53	3044
JUN 25...	30.9	<.04	<.2	.2	.7	24	.09	234	3350	3054
AUG 17...	--	--	--	--	--	--	--	144	1800	3054

TEMPERATURE, WATER (DEGREES C), 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	1.0	1.5	---	---	---	0.0	0.0	0.0
2	---	---	---	2.0	1.0	1.5	---	---	---	0.0	0.0	0.0
3	---	---	---	2.0	0.5	1.5	---	---	---	0.0	0.0	0.0
4	---	---	---	1.0	0.0	0.5	---	---	---	0.0	0.0	0.0
5	---	---	---	1.0	0.0	0.5	---	---	---	0.0	0.0	0.0
6	---	---	---	0.5	0.0	0.0	---	---	---	0.0	0.0	0.0
7	---	---	---	1.5	0.5	1.0	---	---	---	0.0	0.0	0.0
8	---	---	---	2.0	0.0	1.0	---	---	---	0.0	0.0	0.0
9	---	---	---	2.5	2.0	2.0	---	---	---	0.0	0.0	0.0
10	---	---	---	2.0	1.5	2.0	---	---	---	0.0	0.0	0.0
11	---	---	---	1.5	1.0	1.5	---	---	---	0.0	0.0	0.0
12	4.0	2.5	3.0	2.5	1.5	2.0	---	---	---	0.0	0.0	0.0
13	4.5	3.0	4.0	2.5	2.0	2.0	---	---	---	0.0	0.0	0.0
14	4.5	3.0	4.0	2.5	2.0	2.0	---	---	---	0.0	0.0	0.0
15	4.0	2.0	3.0	2.5	1.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0
16	3.5	2.5	3.0	2.0	0.5	1.5	0.5	0.0	0.0	0.0	0.0	0.0
17	4.5	3.0	3.5	0.5	0.0	0.0	0.5	0.0	0.5	0.0	0.0	0.0
18	5.0	4.0	4.5	0.5	0.0	0.0	0.5	0.0	0.5	0.0	0.0	0.0
19	5.0	4.0	4.5	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
20	4.5	3.5	4.0	0.5	0.0	0.0	1.0	0.5	0.5	0.0	0.0	0.0
21	4.0	2.5	3.5	0.5	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
22	4.0	3.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	5.0	4.0	4.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
24	4.5	3.5	4.0	0.0	0.0	0.0	1.0	0.0	0.5	0.0	0.0	0.0
25	5.5	4.0	4.5	0.0	0.0	0.0	1.0	0.5	0.5	0.0	0.0	0.0
26	5.5	4.5	5.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
27	5.0	4.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	4.0	3.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	3.0	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	2.0	0.5	1.0	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0
31	1.5	0.5	1.0	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0
MONTH	---	---	---	---	---	---	---	---	---	0.0	0.0	0.0

SOUTHEAST ALASKA

15056210 TAIYA RIVER NEAR SKAGWAY—Continued

TEMPERATURE, WATER (DEGREES C), 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	0.0	0.0	0.0	0.5	0.0	0.0	3.0	1.0	2.0	4.5	1.5	3.0
2	0.0	0.0	0.0	0.5	0.0	0.0	2.0	1.0	1.5	4.5	2.0	3.0
3	0.0	0.0	0.0	1.5	0.0	1.0	1.5	0.5	1.0	6.5	1.5	3.5
4	0.0	0.0	0.0	1.0	0.5	0.5	4.0	1.0	2.0	6.0	1.5	3.5
5	0.0	0.0	0.0	2.0	0.0	1.0	4.0	1.5	2.5	6.5	1.5	3.5
6	0.0	0.0	0.0	2.5	0.5	1.5	5.0	1.5	3.0	6.5	2.0	4.0
7	0.0	0.0	0.0	2.5	0.0	1.5	5.5	2.0	3.5	6.5	2.0	4.0
8	0.0	0.0	0.0	1.5	0.0	0.5	6.0	2.0	3.5	6.0	2.5	4.0
9	0.0	0.0	0.0	2.0	0.0	1.0	3.5	1.5	2.5	5.0	2.5	4.0
10	0.5	0.0	0.0	2.0	1.0	1.5	6.0	2.0	4.0	7.5	2.0	4.0
11	0.0	0.0	0.0	3.5	1.0	2.0	5.5	1.0	3.0	7.5	2.0	4.5
12	0.0	0.0	0.0	2.0	1.0	1.5	4.0	2.0	3.0	7.5	2.0	4.5
13	0.5	0.0	0.0	3.5	1.5	2.0	5.5	2.5	4.0	7.5	2.5	4.5
14	0.5	0.0	0.5	2.0	0.0	1.0	6.0	2.0	4.0	7.0	2.5	4.5
15	1.0	0.5	0.5	3.5	1.0	2.0	6.0	1.5	3.5	6.5	2.5	4.0
16	1.5	0.5	1.0	4.0	1.5	2.5	5.0	1.0	3.0	5.5	2.5	4.0
17	1.5	0.5	1.0	3.5	1.0	2.0	4.5	2.5	3.5	6.0	3.0	4.0
18	2.0	0.5	1.0	2.5	0.0	1.0	5.5	2.5	3.5	7.5	3.0	4.5
19	3.0	1.5	2.0	1.5	0.0	0.5	6.5	2.0	4.0	7.5	2.5	4.5
20	2.5	1.5	2.0	0.5	0.0	0.0	6.5	1.5	4.0	7.0	3.0	4.5
21	2.5	1.0	2.0	0.5	0.0	0.0	6.5	1.5	4.0	6.5	2.5	4.5
22	2.0	1.0	1.5	2.0	0.0	0.5	4.5	2.5	3.5	7.0	2.5	4.5
23	2.5	1.0	1.5	2.5	0.0	1.0	5.5	2.0	3.5	7.5	2.5	4.5
24	3.0	1.0	2.0	3.0	0.5	1.5	4.5	2.5	3.5	---	---	---
25	2.0	0.5	1.0	4.0	1.5	2.5	4.5	2.5	3.5	---	---	---
26	1.5	0.0	0.5	4.5	1.0	2.5	4.0	1.5	3.0	---	---	---
27	0.5	0.0	0.0	5.0	2.0	3.0	6.5	2.0	4.0	---	---	---
28	0.5	0.0	0.0	2.5	0.5	1.5	6.0	2.5	4.0	---	---	---
29	1.0	0.0	0.0	3.0	1.5	2.0	7.5	1.5	4.0	---	---	---
30	---	---	---	3.5	1.0	2.0	7.0	1.5	4.0	---	---	---
31	---	---	---	3.0	0.5	2.0	---	---	---	---	---	---
MONTH	3.0	0.0	0.6	5.0	0.0	1.3	7.5	0.5	3.3	---	---	---
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	5.5	4.5	5.0	6.5	4.0	5.0	7.0	3.5	5.0
2	---	---	---	7.0	4.0	5.5	6.0	4.0	5.0	6.0	4.5	5.0
3	---	---	---	6.0	4.5	5.0	5.5	4.5	5.0	6.5	4.5	5.5
4	---	---	---	6.0	4.0	5.0	8.0	4.0	5.5	5.5	4.0	4.5
5	---	---	---	6.0	4.0	5.0	8.0	4.0	5.5	5.0	4.0	4.5
6	---	---	---	7.0	4.0	5.5	8.0	4.0	5.5	6.0	4.0	4.5
7	---	---	---	6.0	4.0	5.0	8.0	4.0	5.5	6.0	3.0	4.5
8	---	---	---	7.5	4.0	5.5	8.0	4.0	5.5	6.5	2.5	4.5
9	---	---	---	7.0	4.5	5.5	8.0	4.0	5.5	6.0	2.5	4.0
10	---	---	---	6.0	4.5	5.0	7.5	4.5	5.5	6.0	2.0	4.0
11	---	---	---	8.0	4.0	5.5	6.0	4.5	5.5	5.5	3.5	4.5
12	---	---	---	8.0	4.0	5.5	7.5	4.0	5.5	5.5	4.0	5.0
13	---	---	---	7.5	4.5	5.5	8.0	4.0	5.5	6.0	4.0	5.0
14	---	---	---	7.5	4.5	6.0	8.0	4.0	5.5	6.5	4.5	5.0
15	---	---	---	8.0	5.0	6.0	7.5	4.5	5.5	6.0	4.0	5.0
16	---	---	---	8.5	4.5	6.0	7.5	4.5	6.0	6.0	3.5	4.5
17	---	---	---	7.5	5.0	6.0	7.5	4.5	5.5	6.0	4.0	5.0
18	---	---	---	7.5	5.0	6.0	6.0	4.5	5.0	6.5	4.0	5.0
19	---	---	---	8.5	4.5	6.0	6.5	4.5	5.5	5.5	2.5	4.0
20	---	---	---	8.0	4.5	6.0	7.0	4.5	5.5	5.5	4.0	5.0
21	---	---	---	7.0	5.0	6.0	7.5	4.5	5.5	6.0	4.5	5.5
22	---	---	---	7.0	4.5	5.5	7.5	4.5	5.5	5.0	4.0	4.5
23	---	---	---	6.5	5.0	5.5	7.5	3.5	5.0	5.5	4.0	5.0
24	---	---	---	6.5	4.5	5.5	6.5	3.5	5.0	5.5	4.5	5.0
25	8.0	4.5	6.0	6.5	4.5	5.5	6.0	4.0	5.0	5.5	4.0	4.5
26	7.0	4.5	5.5	5.5	4.5	5.0	5.5	4.0	5.0	5.5	4.5	5.0
27	8.0	4.0	5.5	5.5	4.5	5.0	6.0	4.5	5.0	5.5	4.0	5.0
28	5.5	4.5	5.0	6.0	4.5	5.5	6.0	4.5	5.0	5.5	4.0	4.5
29	7.0	4.0	5.5	5.5	4.5	5.0	6.0	4.0	5.0	6.0	5.0	5.5
30	6.0	4.5	5.0	6.0	4.0	5.0	6.5	4.0	5.0	6.0	5.0	5.5
31	---	---	---	7.0	4.0	5.0	7.0	3.5	5.0	---	---	---
MONTH	---	---	---	8.5	4.0	5.5	8.0	3.5	5.3	7.0	2.0	4.8