

# YUKON ALASKA

## 15515500 TANANA RIVER AT NENANA

### WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1954-57, 1963-64, 1966-75, 1978-1995, and 2001 to August 2005 (discontinued).

PERIOD OF RECORD.--  
WATER TEMPERATURE: 1954 to 1956 (seasonal).

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

Date	Time	Location in X-sect. looking downstrm l bank (00009)	Sample location, cross section ft from rt bank (72103)	Specif. conduc- tance, wat unf 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temper- ature, water, deg C (00010)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)
MAR									
31...	1820	--	205.0	304	7.8	.0	747	10.0	70
31...	1822	--	345.0	303	7.8	.0	747	10.1	71
31...	1824	--	485.0	308	7.8	.0	747	10.1	71
31...	1826	--	655.0	300	7.7	.0	747	10.1	71
31...	1828	--	735.0	302	7.5	.0	747	10.1	71
MAY									
10...	1820	--	110.0	218	7.9	11.8	745	9.9	94
10...	1822	--	160.0	217	7.3	11.8	745	10.1	96
10...	1824	--	250.0	217	7.5	11.9	745	10.0	95
10...	1826	--	330.0	217	7.3	11.9	745	9.9	94
10...	1828	--	440.0	217	7.4	11.9	745	9.8	93
18...	1650	--	200.0	222	7.8	10.4	--	10.1	--
18...	1652	--	280.0	221	7.8	10.4	--	10.1	--
18...	1654	--	380.0	222	7.8	10.4	--	10.1	--
18...	1656	--	470.0	222	7.8	10.4	--	10.1	--
18...	1658	--	585.0	223	7.7	10.4	--	10.2	--
27...	1520	--	189.0	269	8.0	13.9	--	10.4	--
27...	1522	--	298.0	268	7.9	13.8	--	10.2	--
27...	1524	--	365.0	268	7.9	13.8	--	10.3	--
27...	1526	--	428.0	267	7.9	13.8	--	10.3	--
27...	1528	--	507.0	267	7.9	13.8	--	10.4	--
JUL									
12...	1450	--	279.0	252	8.0	15.8	758	9.3	94
12...	1452	--	379.0	252	7.9	15.8	758	9.3	94
12...	1454	--	489.0	251	7.9	15.7	758	9.3	94
12...	1456	--	652.0	255	7.9	15.6	758	9.2	93
12...	1458	--	768.0	256	7.9	15.5	758	9.3	94
AUG									
05...	1510	--	296.0	259	7.9	14.2	--	10.3	--
05...	1512	--	379.0	258	7.9	14.1	--	10.4	--
05...	1514	--	453.0	256	7.9	14.2	--	10.4	--
05...	1516	--	519.0	252	7.9	14.1	--	10.5	--
05...	1518	--	587.0	258	7.9	14.1	--	10.6	--
30...	1430	--	123.0	264	7.9	10.8	756	10.3	93
30...	1432	--	155.0	264	7.9	10.9	756	10.7	98
30...	1434	--	211.0	263	7.9	10.9	756	10.7	98
30...	1436	--	285.0	263	7.9	10.9	756	10.7	98
30...	1438	--	416.0	263	7.9	10.9	756	10.7	98

Date	Time	Medium code	Sample type	Stream width, feet (00004)	Gage height, feet (00065)	Instan- taneous discharge, cfs (00061)	Sam- pling method, code (82398)	Sam- pler type, code (84164)	Type of sample related QA code (99111)	Type of repli- cate, code (99105)	Specif. conduc- tance, uS/cm 25 degC (00095)	pH water, unfl- trd field, std units (00400)	Temper- ature, air, deg C (00020)
MAR													
31...	1800	9	7	840	--	7500	20	3011	30	10	303	7.8	25.0
MAY													
10...	1800	9	9	654	5.96	36200	20	3056	110	--	217	7.4	18.0
18...	1630	9	9	900	7.27	40600	20	3055	110	--	222	7.8	--
27...	1500	9	9	632	6.83	34800	20	3055	110	--	268	7.9	--
JUL													
12...	1430	9	9	829	10.58	759000	20	3055	30	--	253	7.9	--
AUG													
05...	1450	9	7	703	8.41	54000	20	3055	30	10	257	7.9	--
30...	1410	9	9	611	6.92	43900	20	3055	110	--	264	7.9	--

YUKON ALASKA

15515500 TANANA RIVER AT NENANA—Continued

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

Date	Temperature, water deg C (00010)	Turbidity white light, det ang 90+/-30 NTRU (63676)	UV absor- bance, 254 nm, wat flt units/ cm (50624)	UV absor- bance, 280 nm, wat flt units/ cm (61726)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxy- gen, mg/L (00300)	Dis- solved oxy- gen, per- cent of satura- tion (00301)	Hard- ness, mg/L as CaCO3 (00900)	Cal- cium water, mg/L fltrd, (00915)	Magne- sium, mg/L fltrd, (00925)	Sodium, mg/L fltrd, (00930)	Potas- sium, mg/L fltrd, (00935)	Bocar- bonate, wat flt incrm. titr., field, mg/L (00453)
MAR													
31...	.0	7	.0254	.0191	747	10.1	71	160	47.0	10.1	4.45	2.34	156
MAY													
10...	11.9	128	.2391	.1774	745	9.9	94	110	30.3	7.15	3.70	1.76	93
18...	10.4	211	.1377	.1032	--	10.1	--	110	29.8	7.86	3.57	1.77	73
27...	13.8	157	.0826	.0607	--	10.3	--	130	34.7	10.2	4.50	2.13	109
JUL													
12...	15.7	648	.0893	.0655	758	9.3	94	120	33.4	7.91	3.81	2.04	87
AUG													
05...	14.1	388	.0847	.0617	--	10.4	--	120	35.6	7.91	4.12	1.88	100
30...	10.9	344	.0480	.0345	--	10.7	--	130	38.7	8.88	4.81	2.4	105

Date	Carbon- ate, wat flt incrm. titr., field, mg/L (00452)	Alka- lin- ity, wat flt inc tit field, mg/L as CaCO3 (39086)	Sul- fate water, fltrd, mg/L (00945)	Chlo- ride, water, fltrd, mg/L (00940)	Fluo- ride, water, fltrd, mg/L (00950)	Sil- ica, water, fltrd, mg/L (00955)	Resi- due on evap. at 180degC wat flt mg/L (70300)	Resi- due water, fltrd, sum on con- stitu- ents mg/L (70301)	Nitrite water, mg/L as N fltrd, (00613)	Nitrite + nitrate water, mg/L as N fltrd, (00631)	Ammo- nia water, mg/L as N fltrd, (00608)	Ammo- nia + org-N, water, unfl- trd mg/ L as N (00625)	Ammo- nia + org-N water, fltrd, mg/L as N (00623)
MAR													
31...	.0	128	35.3	1.26	.14	16.1	184	195	.003	.164	.053	.1	.1
MAY													
10...	.0	76	30.8	1.82	.10	9.14	152	132	.003	.148	.010	.5	.2
18...	.0	60	38.0	1.48	E.10	8.36	159	128	E.001	.188	E.009	.4	.2
27...	.0	89	46.3	1.91	.10	9.57	170	165	E.001	.142	E.009	.3	.2
JUL													
12...	.0	72	47.0	1.23	.10	7.10	154	146	E.001	.112	E.006	.6	.2
AUG													
05...	.0	82	46.7	1.34	.11	8.11	164	156	E.001	.125	E.005	.4	.1
30...	.0	86	50.0	1.75	.12	8.77	172	167	E.001	.089	.012	.4	.6

# YUKON ALASKA

## 15515500 TANANA RIVER AT NENANA—Continued

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

Date	Phos- pho- rus, water, unfl- trd mg/ L (00665)	Phos- pho- rus, water, fltrd mg/L (00666)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Alumi- num, water, fltrd, ug/L (01106)	Anti- mony water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Bar- ium, water, fltrd, ug/L (01005)	Beryl- lium water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cad- mium water, fltrd, ug/L (01025)	Chro- mium, wter, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Cop- per, water, fltrd, ug/L (01040)
MAR													
31...	.028	<.004	E.003	E1.6	E.2	.5	50.0	<.06	18	E.03	<.08	.247	1.5
MAY													
10...	.60	.010	E.004	18.4	.2	1.1	33.7	<.06	28	E.03	<.8	.164	4.3
18...	.71	.005	<.006	16.2	.2	.9	32.8	<.06	18	<.04	<.8	.184	4.2
27...	.47	.49	.494	14.0	.3	1.0	32.6	<.06	29	<.04	<.8	.151	2.2
JUL													
12...	1.19	.005	<.006	14.1	.3	1.1	35.7	<.06	26	E.02	<.8	.104	2.2
AUG													
05...	.76	E.003	<.006	14.0	.3	1.0	31.0	<.06	22	<.04	<.8	.109	2.3
30...	.71	E.003	<.006	14.9	.3	1.0	35.8	<.06	27	.04	<.8	.129	1.6
Date	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lith- ium water, fltrd, ug/L (01130)	Manga- nese, water, fltrd, ug/L (01056)	Molyb- denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Sele- nium, water, fltrd, ug/L (01145)	Sil- ver, water, fltrd, ug/L (01075)	Stron- tium, water, fltrd, ug/L (01080)	Vana- dium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	Ura- nium natu- ral water, fltrd, ug/L (22703)	Organic car- bon, water, fltrd, mg/L (00681)
MAR													
31...	12	<.08	2.7	88.0	1.2	3.31	.5	<.20	222	1.02	1.2	.84	1.0
MAY													
10...	88	.09	3.4	16.2	.9	1.85	.5	<.20	148	.71	1.3	.73	6.9
18...	41	E.06	3.4	15.5	.9	2.50	.6	<.20	132	.58	4.0	.80	3.8
27...	20	<.08	5.1	10.5	1.1	2.69	.6	<.20	168	.52	E.5	.79	3.8
JUL													
12...	8	E.05	4.3	5.0	1.2	2.29	.8	<.20	151	.57	E.5	.81	4.4
AUG													
05...	14	<.08	3.9	7.1	1.2	1.54	.6	<.20	159	1.18	E.5	.78	2.9
30...	E3	<.08	5.3	22.2	1.3	1.40	.6	<.20	182	1.75	E.6	.93	2.0
Date	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Total carbon, suspnd sedimnt total, mg/L (00694)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)	Suspnd. sedi- ment, sieve diametr <.063mm (70331)						
MAR													
31...	<.12	.318	.337	<.022	20	405	68						
MAY													
10...	.434	4.54	4.97	.291	787	76900	43						
18...	.360	4.07	4.43	.257	930	102000	52						
27...	.329	2.33	2.66	.164	646	60700	53						
JUL													
12...	1.53	5.31	6.84	.360	2210	4530000	70						
AUG													
05...	.547	2.11	2.66	.192	1600	233000	50						
30...	.317	2.00	2.31	.137	1090	129000	66						