

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 current year.

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

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

Date	Time	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								
30...	1600	150.0	--	7.6	.0	753	10.3	--
30...	1620	295.0	--	7.6	.0	753	10.3	--
30...	1640	430.0	313	7.5	.0	753	10.3	71
30...	1700	570.0	--	7.6	.0	753	10.3	--
30...	1720	765.0	--	7.5	.0	753	10.3	--
MAY								
28...	1230	244.0	198	7.8	12.9	745	10.2	99
28...	1232	299.0	198	7.8	12.9	745	10.2	99
28...	1234	381.0	198	7.8	12.9	745	10.2	99
28...	1236	473.0	197	7.8	12.8	745	10.2	99
28...	1238	556.0	198	7.8	12.8	745	10.2	99
JUN								
10...	1240	205.0	225	7.9	14.5	751	9.7	97
10...	1245	322.0	238	7.9	14.6	751	9.4	94
10...	1250	411.0	238	7.9	14.6	751	9.4	94
10...	1255	492.0	239	7.9	14.6	751	9.5	95
10...	1300	571.0	238	7.9	14.6	751	9.4	94
25...	1600	286.0	217	7.9	20.2	758	8.9	99
25...	1605	422.0	215	7.9	20.2	758	8.9	99
25...	1610	539.0	213	7.9	20.2	758	8.9	99
25...	1615	636.0	214	7.9	20.2	758	8.9	99
25...	1620	741.0	213	7.9	20.2	758	9.3	103
JUL								
23...	1500	171.0	209	7.9	14.9	755	10.0	100
23...	1510	274.0	209	7.9	14.9	755	9.9	99
23...	1520	376.0	209	7.9	14.9	755	9.9	98
23...	1530	499.0	209	7.9	14.9	755	9.8	98
23...	1540	670.0	209	7.9	14.9	755	9.7	97
AUG								
26...	1500	176.0	236	7.8	10.3	753	8.5	77
26...	1505	289.0	236	7.8	10.3	753	8.7	78
26...	1510	352.0	236	7.8	10.7	753	8.3	76
26...	1515	455.0	236	7.8	10.7	753	8.9	81
26...	1520	635.0	236	7.8	10.7	753	9.2	84
SEP								
22...	1540	155.0	284	7.7	4.3	--	11.8	--
22...	1542	270.0	284	7.8	4.3	--	11.9	--
22...	1544	350.0	284	7.8	4.3	--	11.9	--
22...	1546	340.0	284	7.8	4.4	--	11.8	--

Date	Time	Medium code	Sample type	Stream width, feet (00004)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Sam-pling method, code (82398)	Sampler type, code (84164)	Type of sample related QA data, code (99111)	Specif. conduc-tance, wat unf 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)
MAR													
30...	1750	9	7	920	--	6560	20	3060	30	313	7.9	-6.5	.0
MAY													
28...	1200	9	9	696	7.76	52500	20	3055	1	198	7.8	--	12.9
JUN													
10...	1310	9	9	707	7.51	50900	20	3055	1	238	7.9	--	14.6
25...	1635	9	9	935	8.79	58800	20	3055	1	214	7.9	28.5	20.2
JUL													
23...	1610	9	9	925	9.15	66200	20	3055	10	209	7.9	--	14.9
AUG													
26...	1530	9	9	910	8.07	55400	20	3055	10	236	7.8	12.0	10.7
SEP													
22...	1600	9	9	785	3.19	18800	20	3055	10	284	7.8	--	4.3

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15515500 TANANA RIVER AT NENANA—Continued

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

Date	Turbidity, lab, Hach 2100AN NTU (99872)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	Potassium, water, fltrd, mg/L (00935)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)
MAR 30...	4	.0241	.0177	756	10.1	69	160	48.5	10.1	4.70	2.4	151	.0
MAY 28...	336	.1914	.1427	745	10.2	99	100	29.1	6.70	3.33	1.9	96	.0
JUN 10...	448	.0753	.0555	751	9.4	94	110	31.9	7.38	3.79	2.0	92	.0
JUN 25...	1260	.0307	.0224	758	9.0	100	110	31.1	8.26	3.67	2.80	101	.0
JUL 23...	1200	.0163	.0122	754	9.8	98	110	32.1	6.33	3.28	2.2	82	.0
AUG 26...	1130	.0150	.0110	753	8.4	76	78	22.5	5.35	2.77	1.4	87	.0
SEP 22...	68	.0392	.0281	--	11.8	--	150	42.9	9.47	5.05	1.9	137	.0

Date	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Alkalinity, wat flt fxd end field, mg/L as CaCO3 (39036)	Sulfate, water, fltrd, mg/L (00945)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Residue on evap. at 180degC, wat flt mg/L (70300)	Residue water, fltrd, sum of constituents mg/L (70301)	Nitrite water, fltrd, mg/L as N (00613)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
MAR 30...	124	120	35.3	1.35	<.17	15.8	204	194	.002	.182	.049	.1	.1
MAY 28...	74	74	32.5	1.93	<.17	7.51	125	131	.002	.099	<.010	.6	.2
JUN 10...	76	76	36.6	2.18	<.17	7.80	124	138	.002	.090	<.010	.5	E.08
JUN 25...	83	84	37.4	1.6	<.17	6.46	136	141	E.001	.067	<.010	.9	<.1
JUL 23...	67	67	37.2	1.48	<.17	6.33	123	129	<.002	.062	<.010	.7	<.1
AUG 26...	72	71	42.5	1.28	<.17	4.56	134	124	.002	.064	E.007	.6	<.1
SEP 22...	113	110	41.7	1.60	<.17	11.7	190	183	E.001	.123	.028	.2	E.07

Date	Phosphorus, water, unfltrd mg/L (00665)	Phosphorus, water, fltrd, mg/L (00666)	Orthophosphate, water, fltrd, mg/L as P (00671)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic, water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium, water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt, water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)
MAR 30...	.023	E.003	<.006	E.9	E.1	.6	50.7	<.06	27	<.04	<.8	.272	1.0
MAY 28...	.773	.006	E.004	20.6	.3	1.0	31.2	<.06	23	E.02	<.8	.158	4.8
JUN 10...	1.31	E.003	<.006	20.2	.3	1.0	36.0	<.06	22	<.04	<.8	.125	1.8
JUN 25...	1.19	<.004	<.006	27	.60	1.1	36.0	<.06	30	<.04	<.8	.111	1.1
JUL 23...	.39	E.003	<.006	18.7	.4	.8	30.3	<.06	19	<.04	<.8	.130	.8
AUG 26...	.53	<.004	<.006	15.2	.2	.5	21.3	<.06	16	E.02	<.8	.170	1.7
SEP 22...	.22	E.004	<.006	6.6	.2	1.0	39.9	<.06	29	E.03	<.8	.233	1.1

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15515500 TANANA RIVER AT NENANA—Continued

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

Date	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Mangan- ese, water, fltrd, ug/L (01056)	Molyb- denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selen- ium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Stront- ium, water, fltrd, ug/L (01080)	Vanad- ium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)	Organic carbon, water, fltrd, mg/L (00681)
MAR 30...	10.8	<.08	3.4	105	1.3	1.49	.9	<.20	202	1.89	2.4	.89	1.4
MAY 28...	43.7	<.08	3.9	9.8	.9	1.69	E.4	<.20	123	.66	.8	.75	5.9
JUN 10...	10.3	<.08	4.8	6.3	1.0	.96	.5	<.20	146	.50	E.3	.93	2.7
25...	<6.4	.05	6.2	2.0	1.5	.06	.6	<.2	141	.6	--	.97	1.2
JUL 23...	<6.4	<.08	4.5	2.4	1.2	1.41	.5	<.20	127	.58	<.6	.71	.7
AUG 26...	<6.4	E.06	3.2	10.9	.9	1.48	.5	<.20	85.8	.37	3.5	.61	.8
SEP 22...	21.2	<.08	4.2	53.4	1.3	1.19	.6	<.20	181	.98	.7	.83	1.6

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 percent <.063mm (70331)
MAR 30...	<.12	.271	.273	<.022	16	283	74
MAY 28...	.870	5.05	5.92	.349	1300	184000	53
JUN 10...	1.97	4.38	6.34	.311	1270	175000	55
25...	E3.32	E6.61	E9.93	E.483	2990	474000	82
JUL 23...	1.16	4.60	5.76	.327	2630	470000	78
AUG 26...	.215	1.10	1.31	.108	2610	390000	75
SEP 22...	.194	1.67	1.86	.095	399	20300	59