

YUKON ALASKA

15565447 YUKON RIVER AT PILOT STATION

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1954-1956, 1975-96, and April 2001 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: 1976 and 1978, (seasonal).

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)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)
APR								
06...	1820	1870	320	6.9	.0	745	2.5	18
06...	1910	1780	318	7.0	.0	745	2.5	17
06...	1925	1600	322	7.0	.0	745	2.6	18
06...	1943	1420	324	7.0	.0	745	2.6	18
06...	2005	1120	324	7.0	.0	745	2.5	17
06...	2017	695	326	7.0	.0	745	2.5	18
MAY								
26...	1740	2080	148	7.6	9.1	--	--	--
26...	1745	1820	147	7.9	9.1	--	--	--
26...	1750	1480	147	7.8	9.0	--	--	--
26...	1755	1100	147	7.8	9.0	--	--	--
26...	1758	620	147	7.8	9.0	--	--	--
JUN								
15...	1440	2150	163	7.3	16.4	767	--	--
15...	1442	1850	163	7.5	16.5	767	--	--
15...	1444	1600	163	7.5	16.5	767	--	--
15...	1446	1220	162	7.5	16.4	767	--	--
15...	1448	700	163	7.5	16.5	767	--	--
29...	1814	2150	186	7.4	18.8	764	8.8	95
29...	1818	1850	195	7.3	18.9	764	8.7	93
29...	1820	1600	197	7.3	18.9	764	8.6	93
29...	1822	1220	196	7.3	18.9	764	8.6	92
29...	1824	700	198	7.3	18.9	764	8.5	92
JUL								
19...	1915	620	221	7.7	19.4	761	8.6	94
19...	1918	1100	219	7.7	19.4	761	8.5	93
19...	1921	1480	220	7.7	19.5	761	8.6	94
19...	1924	1820	212	7.7	19.6	761	8.5	92
19...	1926	2080	208	7.7	19.6	761	8.4	92
AUG								
18...	1154	2050	222	7.7	18.0	--	--	--
18...	1155	1750	235	7.8	18.0	--	--	--
18...	1157	1400	239	7.8	18.0	--	--	--
18...	1159	1050	238	7.8	18.0	--	--	--
18...	1200	600	239	--	18.0	--	--	--
SEP								
22...	1307	600	264	8.0	7.5	748	10.8	92
22...	1309	1000	264	8.0	7.5	748	10.8	92
22...	1311	1400	264	8.0	7.5	748	10.9	92
22...	1313	1700	264	8.0	7.5	748	10.8	92
22...	1315	2000	261	8.0	7.5	748	10.8	92

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)	Type of repli- cate, code (99105)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temper- ature, air, deg C (00020)
APR													
07...	1020	9	9	1980	--	46300	20	3060	--	--	323	7.0	3.5
MAY													
26...	1620	9	9	2400	22.10	521000	20	3055	--	--	147	7.8	13.5
JUN													
15...	1520	9	9	3040	25.35	639000	20	3055	--	--	163	7.5	--
29...	1640	9	7	2600	21.69	512000	20	3055	30	10.00	197	7.9	--
JUL													
20...	1030	9	9	2260	15.98	330000	20	3055	--	--	220	7.7	24.5
AUG													
18...	1110	9	9	2300	15.50	330000	20	3055	10	--	238	7.8	25.0
SEP													
22...	1300	9	9	2100	10.62	218000	20	3055	10	--	264	8.0	5.5

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15565447 YUKON RIVER AT PILOT STATION—Continued

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

Date	Temperature, water, deg C (00010)	Turbidity, wat unflab, 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)	ANC, wat unfl fixed end pt, field, mg/L as CaCO3 (00410)	Potassium, water, fltrd, mg/L (00935)
APR 07...	.0	5.9	.059	.043	--	2.5	--	170	48.7	11.5	3.95	--	1.52
MAY 26...	9.0	150	.548	.413	--	--	--	75	22.8	4.43	1.83	--	.96
JUN 15...	16.5	140	.320	.238	767	7.3	74	87	26.9	4.89	1.77	--	1.08
JUN 29...	19.0	170	.222	.164	764	8.6	93	94	28.0	5.69	2.25	--	1.15
JUL 20...	19.5	450	.094	.068	761	8.5	93	110	32.8	7.34	3.07	76	1.90
AUG 18...	18.0	350	.086	.062	--	--	--	120	34.5	7.69	3.13	--	1.76
SEP 22...	7.5	190	.090	.066	748	10.8	92	140	38.2	9.72	3.82	--	1.68

Date	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Alkalinity, wat tit inc tit field, mg/L as CaCO3 (39086)	Sulfate, 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, sum of constituents, mg/L (70301)	Nitrite + nitrate, 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)
APR 07...	16	.0	13	27.5	1.32	<.2	12.8	197	117	.002	.188	.100	.22
MAY 26...	63	.0	52	13.4	.80	<.2	4.96	115	81	.002	.084	<.010	.69
JUN 15...	77	.0	63	17.9	.75	<.2	5.19	118	97	E.001	.054	E.005	.71
JUN 29...	83	.0	68	23.7	.81	<.2	6.36	120	109	E.001	.069	<.010	.79
JUL 20...	95	.0	76	29.9	1.12	<.2	6.84	E145	130	E.001	.082	E.006	E.41
AUG 18...	94	.0	77	36.0	1.28	<.2	6.26	155	137	E.001	.082	<.010	.41
SEP 22...	114	.0	94	36.7	1.13	<.2	7.48	E153	156	E.001	.108	E.014	E.32

Date	Ammonia + org-N, water, fltrd, mg/L as N (00623)	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)
APR 07...	.20	.024	E.002	<.006	M	<.20	.4	80	<.06	10	E.04	<.8	.317
MAY 26...	.42	.34	.014	<.006	27	E.17	.8	37	<.06	E5	<.04	<.8	.156
JUN 15...	.27	.50	.010	<.006	15	.26	1.0	41	<.06	E6	<.04	<.8	.143
JUN 29...	.17	.31	.007	E.003	14	.25	.9	42	<.06	E8	<.04	<.8	.129
JUL 20...	E.10	E.43	E.005	E.003	17	.34	.9	49	<.06	13	<.04	<.8	.119
AUG 18...	E.08	.24	.004	<.006	15	.30	.9	51	<.06	14	<.04	<.8	.108
SEP 22...	E.12	E.18	E.005	E.003	7	.27	.8	54	<.06	18	<.04	<.8	.140

Date	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium, water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	Uranium natural, water, fltrd, ug/L (22703)
APR 07...	1.2	91	<.08	3.1	143	.8	2.70	E.3	<.2	200	.6	3.0	.85
MAY 26...	5.4	306	.20	1.8	16.4	.5	2.31	E.2	<.2	88.6	.7	2.3	.52
JUN 15...	3.6	123	.11	1.9	14.3	.7	1.57	E.3	<.2	93.6	.8	E.5	.51
JUN 29...	2.9	141	.09	2.2	5.4	.9	1.45	E.4	<.2	95.0	.7	2.0	.64
JUL 20...	1.8	14	<.08	3.4	.5	1.5	1.04	.7	<.2	132	.8	<.6	.94
AUG 18...	1.9	25	<.08	3.3	1.9	1.4	.86	E.4	<.2	139	.9	E.4	.89
SEP 22...	1.3	64	<.08	3.7	15.3	1.3	.94	.4	<.2	161	.8	<.6	.99

YUKON ALASKA

15565447 YUKON RIVER AT PILOT STATION—Continued

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

Date	Organic carbon, water, fltrd, mg/L (00681)	Inor-ganic carbon, suspd, total, mg/L (00688)	Organic carbon, suspd, total, mg/L (00689)	Total carbon, suspd, 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)
APR 07...	2.2	<.1	.6	.6	.05	5	625	97
MAY 26...	13.9	.3	5.2	5.5	.34	339	477000	75
JUN 15...	9.1	.3	4.1	4.4	.26	514	887000	68
JUN 29...	6.2	.3	4.5	4.8	.30	299	413000	84
JUL 20...	E3.1	E4.4	E4.3	E8.8	E.30	--	--	--
AUG 18...	2.6	5.4	3.7	9.0	.25	499	445000	96
SEP 22...	E2.7	E.7	E4.1	E4.8	E.22	--	--	--