

YUKON ALASKA

15565447 YUKON RIVER AT PILOT STATION

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1954-1956, 1975-96, and April 2001 to September 2005 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: 1976 and 1978 (seasonal).

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

Date	Time	Loca- tion in X-sect. looking dwnstrm ft from l bank (00009)	Specif. conduc- tance, wat unfltrd uS/cm 25 degC (00095)	pH, water, unfltrd 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								
17...	1750	1850	313	7.0	.0	767	2.6	18
17...	1800	1650	302	7.0	.0	767	2.5	17
17...	1810	1400	322	7.0	.0	767	2.8	19
17...	1820	1150	322	7.0	.0	767	2.5	17
17...	1830	700	315	7.2	.0	767	2.8	19
MAY								
17...	1005	2150	156	7.9	5.5	748	10.0	79
17...	1028	1850	152	7.9	5.5	748	10.1	79
17...	1040	1580	150	7.9	5.5	748	10.1	80
17...	1050	1250	149	7.9	5.5	748	10.1	80
17...	1055	800	149	8.0	5.5	748	10.1	80
JUN								
01...	1118	2480	164	7.8	12.5	762	9.2	86
01...	1139	2180	165	7.8	12.5	762	9.2	86
01...	1202	1900	165	7.8	12.5	762	9.2	86
01...	1219	1580	165	7.8	12.5	762	9.2	87
01...	1231	1130	165	7.8	12.5	762	9.2	86
14...	1500	2500	190	7.9	15.5	762	7.9	79
14...	1514	2200	189	7.9	15.5	762	8.0	81
14...	1531	1920	189	7.9	15.5	762	8.1	81
14...	1544	1600	189	7.9	15.5	762	8.1	81
14...	1605	1150	189	7.9	15.5	762	8.2	82
JUL								
12...	0900	650	213	8.2	17.0	756	9.2	95
12...	0915	1200	221	8.2	17.5	756	8.9	93
12...	0927	1600	222	8.1	17.5	756	8.9	93
12...	0945	1850	222	8.0	17.5	756	9.1	95
12...	1030	2150	222	8.0	17.5	756	9.4	98
AUG								
16...	1800	1850	251	7.8	17.0	762	8.5	88
16...	1813	1550	257	8.1	17.0	762	8.6	88
16...	1821	1300	255	7.9	17.0	762	8.6	89
16...	1835	925	255	8.0	17.0	762	8.5	88
16...	1851	400	255	8.0	17.0	762	8.4	87
SEP								
27...	1410	620	228	7.9	9.0	742	10.9	94
27...	1425	1100	225	8.0	9.0	742	10.8	93
27...	1440	1480	225	8.0	9.0	742	10.8	94
27...	1510	1800	225	8.0	9.0	742	10.9	94
27...	1530	2000	215	7.9	9.0	742	10.9	94

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 unfltrd uS/cm 25 degC (00095)	pH, water, unfltrd std units (00400)	Temper- ature, air, deg C (00020)
MAR													
17...	1930	9	9	2000	--	41600	20	8010	10	--	315	7.0	--.5
MAY													
17...	1030	9	9	2600	27.76	1150000	20	3055	--	--	150	7.9	4.5
JUN													
01...	1200	9	7	2930	26.28	761000	20	3055	30	10.00	165	7.8	12.5
14...	1530	9	9	2950	26.10	680000	20	3055	--	--	189	7.9	19.5
JUL													
12...	0930	9	9	2600	18.98	416000	20	3055	--	--	222	8.1	--
AUG													
16...	1820	9	9	2300	15.59	316000	20	3055	--	--	255	7.9	19.5
SEP													
27...	1450	9	9	2530	17.84	377000	20	3055	--	--	225	7.9	9.0

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15565447 YUKON RIVER AT PILOT STATION—Continued

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

Date	Temperature, water, deg C (00010)	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. field, mg/L (00453)	Carbonate, wat flt incrm. field, mg/L (00452)
MAR 17...	.0	.063	.045	767	2.5	17	170	47.9	11.7	3.93	1.39	156	.0
MAY 17...	5.5	.524	.393	748	10.1	82	73	22.4	4.20	1.72	1.16	76	.0
JUN 01...	12.5	.371	.277	762	9.2	86	80	24.2	4.63	1.66	1.16	79	.0
JUN 14...	15.5	.255	.189	762	8.0	80	94	27.6	5.95	1.80	1.11	72	.0
JUL 12...	17.5	.194	.143	756	9.1	96	110	30.8	7.39	2.76	1.58	122	.0
AUG 16...	17.0	.197	.160	762	8.5	88	120	35.2	8.61	3.24	1.53	145	.0
SEP 27...	9.0	.248	.184	742	10.9	97	110	30.8	7.86	2.75	1.07	124	.0
Date	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	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)	Phosphorus, water, unfltrd mg/L (00665)
MAR 17...	128	26.8	1.15	.1	13.2	189	184	.002	.195	.080	.22	.20	.022
MAY 17...	62	12.8	.73	E.1	4.76	112	86	.004	.121	.049	.98	.51	.70
JUN 01...	64	18.0	.52	E.1	4.97	120	95	.002	.079	E.008	.68	.31	.30
JUN 14...	59	25.7	.51	E.1	5.86	114	105	E.001	.084	E.005	.51	.22	.30
JUL 12...	100	32.3	.83	.1	6.88	144	144	E.001	.094	E.006	.64	.19	.39
AUG 16...	119	39.4	.78	.1	7.27	165	168	.002	.105	E.007	.35	E.10	.32
SEP 27...	101	36.6	1.26	E.1	7.55	160	150	E.001	.113	E.006	.40	.22	.173
Date	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)	Iron, water, fltrd, ug/L (01046)
MAR 17...	E.003	E.003	E1	<.20	.4	81	<.06	14	E.04	<.8	.239	1.4	94
MAY 17...	.018	.006	29	.22	1.1	39	<.06	9	<.04	<.8	.294	6.0	332
JUN 01...	.010	<.006	21	.25	1.0	45	<.06	E4	<.04	<.8	.176	5.3	193
JUN 14...	.007	<.006	14	.25	.9	43	<.06	E5	E.02	<.8	.118	2.9	150
JUL 12...	.009	E.004	12	.29	1.1	48	<.06	12	.06	<.8	.092	2.6	207
AUG 16...	.006	E.003	13	.27	.9	50	<.06	12	<.04	<.8	.104	2.4	50
SEP 27...	.013	E.005	17	.22	.92	46	<.06	12	E.03	.21	.08	3.1	178
Date	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)	Organic carbon, water, fltrd, mg/L (00681)	Inorganic carbon, suspdnd sedimnt total, mg/L (00688)
MAR 17...	.20	2.9	139	.8	1.92	E.3	<.2	208	1.4	3.8	.95	2.1	<.1
MAY 17...	.23	1.9	72.4	.6	2.57	<.4	<.2	80.2	1.1	1.2	.56	14.4	2.4
JUN 01...	.63	1.7	29.3	.6	2.76	E.3	<.2	95.0	.8	1.7	.47	10.2	.6
JUN 14...	.17	2.4	16.8	.7	2.38	E.3	<.2	105	.8	2.4	.47	7.0	.4
JUL 12...	.20	2.7	2.7	1.2	2.03	.5	<.2	128	.8	1.7	.70	5.8	1.7
AUG 16...	E.07	3.5	3.7	1.3	2.26	.5	<.2	156	.6	1.1	.84	3.5	1.4
SEP 27...	.14	2.4	10.0	.9	1.1	.37	<.2	135	.63	.74	.76	6.5	.1

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15565447 YUKON RIVER AT PILOT STATION—Continued

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

Date	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 17...	.4	.4	.03	5	562	95
MAY 17...	9.4	11.8	.64	863	2680000	72
JUN 01...	5.5	6.0	.34	612	1260000	63
JUN 14...	4.9	5.4	.37	393	722000	69
JUL 12...	4.8	6.6	.35	461	518000	86
AUG 16...	4.2	5.6	.27	413	352000	64
SEP 27...	3.1	3.3	.21	287	292000	82