

# YUKON ALASKA

## 15356000 YUKON RIVER AT EAGLE (International Gaging Station)

### WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1950-57, 1962-70, 1974-76, 1978-79 and 2001 to August 2005 (discontinued).

PERIOD OF DAILY RECORD.--  
SUSPENDED SEDIMENT: 1962 to 1966

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

Date	Time	Location in X-section, looking downstrm ft from l bank (00009)	Sample location, cross section ft from rt bank (72103)	Specific conductance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temperature, water, deg C (00010)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
APR									
07...	1800	130	--	256	7.6	.0	734	10.8	77
07...	1802	270	--	256	7.6	.0	734	10.8	77
07...	1804	410	--	256	7.6	.0	734	10.8	77
07...	1806	550	--	256	7.6	.0	734	10.8	77
07...	1808	730	--	259	7.6	.0	734	10.8	77
MAY									
11...	1050	--	450.0	174	7.9	8.0	747	11.0	95
11...	1052	--	650.0	173	7.9	8.1	747	11.0	95
11...	1054	--	800.0	171	7.9	8.1	747	11.0	95
11...	1056	--	950.0	171	7.9	8.1	747	11.6	100
11...	1058	--	1150	171	7.9	8.1	747	11.2	97
24...	1220	--	450.0	177	7.8	9.1	752	10.7	94
24...	1222	--	650.0	178	7.9	9.3	752	10.6	94
24...	1224	--	800.0	179	7.9	9.3	752	10.6	94
24...	1226	--	950.0	179	8.0	9.3	752	10.6	94
24...	1228	--	1150	180	8.0	9.3	752	10.6	94
JUN									
14...	1240	--	368.0	214	--	14.4	736	96.0	974
14...	1242	--	576.0	213	7.9	14.5	737	--	--
14...	1244	--	716.0	212	7.9	14.3	736	9.5	96
14...	1246	--	903.0	212	--	14.4	736	9.5	96
14...	1248	--	1125	212	7.9	14.4	736	9.4	95
JUL									
07...	1120	--	450.0	200	8.0	14.6	--	10.6	--
07...	1122	--	650.0	197	8.0	14.7	--	9.8	--
07...	1124	--	800.0	197	8.0	14.7	--	9.8	--
07...	1126	--	950.0	196	8.0	14.7	--	9.8	--
07...	1128	--	1180	196	8.0	14.6	--	9.8	--
AUG									
04...	1100	--	374.0	220	8.1	13.3	736	9.8	97
04...	1102	--	600.0	216	8.1	13.4	736	9.8	97
04...	1104	--	775.0	215	8.1	13.4	736	9.8	97
04...	1106	--	955.0	214	8.1	13.4	736	9.8	97
04...	1108	--	1080	214	8.1	13.4	736	9.8	97
30...	1120	--	403.0	237	8.2	11.5	735	9.8	93
30...	1122	--	554.0	236	8.2	11.4	735	9.7	92
30...	1124	--	700.0	236	8.2	11.4	735	9.7	92
30...	1126	--	850.0	236	8.2	11.4	735	9.7	92
30...	1128	--	1030	236	8.2	11.4	735	9.6	91

Date	Time	Medium code	Sample type	Ice thickness, feet (82130)	Stream width, feet (00004)	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Sampler type, code (84164)	Type of sample related QA data, code (99111)	Type of blank solution, code (99100)	Type of blank sample, code (99102)	Type of replicate, code (99105)
APR													
07...	1740	9	9	4.00	--	--	19200	20	3061	10	--	150	--
MAY													
11...	1030	9	9	--	--	15.80	142000	20	3055	110	--	--	--
24...	1200	9	9	--	1600	--	300000	--	--	30	--	--	10
JUN													
14...	1220	9	9	--	1520	--	240000	20	3055	110	--	--	--
JUL													
07...	1100	9	9	--	1500	--	220000	20	3055	110	--	--	--
AUG													
04...	1040	9	9	--	--	--	163000	20	3055	110	--	--	--
30...	1100	9	9	--	1450	14.24	127000	20	3055	10	200	150	--

# YUKON ALASKA

## 15356000 YUKON RIVER AT EAGLE—Continued

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

Date	Specif. conductance, unfltrd wat unfltrd 25 degC (00095)	pH, water, field, std units (00400)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Turbidity white light, det ang 90+/-30 corrcrtd NTRU (63676)	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)
APR 07...	256	7.6	1.5	.0	2	.0322	.0227	735	10.8	77	130	35.6	9.42
MAY 11...	172	7.9	--	8.1	77	.4630	.3472	747	11.2	97	88	24.0	6.85
24...	179	7.9	--	9.3	177	.2507	.1882	--	10.6	--	88	23.7	7.02
JUN 14...	213	7.9	18.0	14.5	105	.0977	.0712	736	9.5	97	100	28.3	8.21
JUL 07...	197	8.0	--	14.7	386	.2329	.1730	--	9.8	--	100	28.3	7.66
AUG 04...	216	8.1	--	13.4	144	.1930	.1416	736	9.7	96	110	29.9	7.70
30...	236	8.2	--	11.5	239	.0896	.0651	735	9.7	92	110	31.8	8.48

  

Date	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)	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)
APR 07...	2.97	1.16	117	.0	96	31.9	.54	.12	7.06	146	147	E.001	.081
MAY 11...	1.95	1.19	78	.0	60	25.1	.49	E.08	5.49	136	104	.002	.056
24...	1.75	.96	73	.0	60	25.9	.27	E.09	5.90	126	102	<.002	.046
JUN 14...	1.85	.81	84	.0	69	33.7	.26	.11	6.18	119	121	<.002	.039
JUL 07...	2.41	1.43	80	.0	66	30.5	.54	.12	6.97	138	118	E.001	.075
AUG 04...	2.88	1.30	90	.0	74	32.9	.41	.12	7.23	142	127	E.001	.050
30...	2.81	1.49	98	.0	80	37.8	.48	.12	6.34	154	138	E.001	.032

  

Date	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)	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)
APR 07...	E.006	E.05	E.06	.004	<.004	<.006	E1.5	E.1	.4	51.5	<.06	E6	E.04
MAY 11...	<.010	.6	.4	.46	.009	<.006	40.1	E.1	.5	41.1	<.06	E5	.05
24...	<.010	.7	.3	.80	E.003	<.006	39.5	E.2	.6	38.2	<.06	E5	E.03
JUN 14...	<.010	.2	E.10	.31	<.004	<.006	26.4	E.2	.5	40.6	<.06	<8	<.04
JUL 07...	E.005	.7	.2	.90	.004	<.006	27.6	E.2	.7	35.9	<.06	10	<.04
AUG 04...	<.010	.4	.2	.40	E.003	<.006	28.6	E.2	.6	37.5	<.06	14	<.04
30...	<.010	.2	.1	.34	E.003	<.006	23.5	.2	.6	35.9	<.06	13	<.04

  

Date	Chromium, water, fltrd, ug/L (01030)	Cobalt, water, fltrd, ug/L (01035)	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)
APR 07...	<.8	.089	1.1	E4	<.08	1.9	1.2	1.3	1.86	.5	<.20	179	.42
MAY 11...	<.8	.139	3.1	104	E.08	1.7	13.9	.7	2.79	.5	<.20	121	.55
24...	<.8	.204	2.7	60	E.06	2.2	7.2	.8	3.42	.6	<.20	118	.47
JUN 14...	<.8	.068	1.9	17	.18	2.8	2.2	.9	2.37	.6	<.20	129	.38
JUL 07...	<.8	.096	2.9	28	<.08	2.7	2.0	1.2	2.47	.5	<.20	132	.77
AUG 04...	<.8	.119	2.2	23	<.08	2.4	3.6	1.2	1.80	.4	<.20	146	.60
30...	.1	.089	4.3	13	E.05	3.1	1.6	1.5	2.37	.6	<.20	155	.51

# YUKON ALASKA

## 15356000 YUKON RIVER AT EAGLE—Continued

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

Date	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)	Organic carbon, water, fltrd, mg/L (00681)	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)
APR 07...	1.5	1.08	1.3	<.12	.163	.163	<.022	27	1400	23
MAY 11...	4.8	.75	12	.641	2.66	3.30	.230	424	163000	49
24...	1.0	.63	6.7	.849	5.08	5.93	.319	933	756000	60
JUN 14...	.7	.69	3.2	.550	1.95	2.50	.074	311	202000	57
JUL 07...	.9	.78	6.8	6.87	6.54	13.4	.324	1240	736000	83
AUG 04...	E.4	.81	5.4	1.40	3.38	4.78	.220	378	166000	69
30...	1.2	.86	3.3	1.58	2.05	3.63	.086	400	137000	75