

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

YUKON ALASKA

15389000 -- PORCUPINE RIVER NEAR FORT YUKON

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

PERIOD OF RECORD--Water years 1966-72, 1974-75, 1978, and 2001-05 (discontinued).

Date	Time	Location in X-section, looking dwnstrm ft from l bank (00009)	Sample location, cross section ft from rt bank (72103)	Specif. conductance, wat unft 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									
06...	1620	10.0	--	403	7.4	.0	748	4.6	32
06...	1622	70.0	--	403	7.4	.0	748	4.6	32
06...	1624	135	--	403	7.4	.0	748	4.6	32
06...	1626	190	--	403	7.4	.0	748	4.6	32
06...	1628	250	--	403	7.4	.0	748	4.6	32
06...	1630	460	--	403	7.4	.0	748	4.6	32
06...	1632	485	--	403	7.4	.0	748	4.8	33
MAY									
25...	1530	--	70.0	130	7.7	7.5	--	11.3	--
25...	1532	--	261.0	129	7.7	7.5	--	11.3	--
25...	1534	--	479.0	126	7.7	7.3	--	11.3	--
25...	1536	--	729.0	124	7.7	7.3	--	11.2	--
25...	1538	--	991.0	121	7.6	7.5	--	11.0	--
JUN									
07...	1720	--	70.0	133	7.6	12.0	--	9.3	--
07...	1722	--	250.0	133	7.6	12.0	--	9.3	--
07...	1724	--	440.0	132	7.6	11.8	--	9.2	--
07...	1726	--	650.0	131	7.6	11.8	--	9.1	--
07...	1728	--	910.0	132	7.6	11.9	--	9.2	--
JUL									
14...	1450	--	56.0	262	7.8	15.3	755	9.4	94
14...	1452	--	230.0	262	7.8	15.3	755	9.3	94
14...	1454	--	375.0	261	7.9	15.3	755	9.2	93
14...	1456	--	560.0	261	7.9	15.2	755	9.2	92
14...	1458	--	780.0	261	7.9	15.2	755	9.2	92
AUG									
03...	1350	--	120.0	263	8.0	12.6	--	9.7	--
03...	1352	--	270.0	263	8.0	12.7	--	9.7	--
03...	1354	--	381.0	263	8.0	12.8	--	9.6	--
03...	1356	--	510.0	263	8.0	12.8	--	9.6	--
03...	1358	--	632.0	263	8.0	12.9	--	9.6	--
26...	1320	--	157.0	--	--	--	753	--	--
26...	1322	--	270.0	257	8.1	11.4	753	11.5	107
26...	1324	--	396.0	257	8.0	11.4	753	11.1	103
26...	1326	--	575.0	257	8.0	11.5	753	11.1	103
26...	1328	--	802.0	257	8.0	11.6	753	11.2	104

Date	Time	Medium code	Sample type	Stream width, feet (00004)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Sampler type, code (84164)	Type of sample related QA data, code (99111)	Type of blank sample, code (99102)	Type of replicate, code (99105)	Specif. conductance, wat unft uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temperature, air, deg C (00020)
APR													
06...	1540	9	9	--	830	20	3045	110	--	--	403	7.4	-2.2
MAY													
19...	1300	9	9	1480	E92600	70	3070	1	--	--	100	7.4	--
25...	1510	9	9	--	51300	--	3055	110	--	--	126	7.7	--
JUN													
07...	1700	9	9	--	40100	20	3055	10	100	--	132	7.6	23.8
JUL													
14...	1430	9	7	--	16400	20	3055	30	--	10	261	7.8	--
AUG													
03...	1330	9	9	850	4770	20	3045	110	--	--	263	8.0	17.0
26...	1300	9	9	960	4520	20	3045	110	--	--	257	8.0	15.3

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YUKON ALASKA

15389000 -- PORCUPINE RIVER NEAR FORT YUKON--Continued

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

Date	Temperature, water, deg C (00010)	Turbidity white light, det ang 90+/-30 corrctd 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)	Sodium, water, fltrd, mg/L (00930)	Potassium, water, fltrd, mg/L (00935)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)
APR 06...	.0	<2	.0397	.0287	748	4.6	32	210	62.4	14.1	5.69	.67	209
MAY 19...	6.1	E99	.6531	.4936	747	11.2	92	50	15.5	2.80	1.20	.97	41
25...	7.5	88	.5441	.4083	--	11.3	--	61	18.7	3.45	1.32	1.02	59
JUN 07...	11.9	40	.5344	.3967	--	9.2	--	69	20.4	4.45	1.81	.71	62
JUL 14...	15.3	17	.1871	.1368	755	9.2	93	130	39.8	8.35	4.23	.70	--
AUG 03...	12.8	2	.1731	.1225	--	9.6	--	130	38.6	8.42	3.55	.67	110
26...	11.5	<2	.2378	.1702	753	11.2	104	79	22.8	5.32	2.70	.36	102

Date	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Alkalinity, 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 + 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)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
APR 06...	.0	173	34.4	5.07	.13	4.69	234	231	<.002	.205	<.010	<.1	<.1
MAY 19...	.0	34	11.0	.61	E.05	2.20	99	55	E.001	.026	E.005	E.8	.5
25...	.0	48	12.8	.68	E.05	2.50	105	70	.003	.049	E.005	.9	.7
JUN 07...	.0	51	16.9	.86	E.06	3.14	97	79	E.001	.034	<.010	.6	.4
JUL 14...	.0	80	40.9	2.18	E.09	2.84	163	147	E.001	<.016	<.010	.3	.2
AUG 03...	.0	90	43.1	1.67	.11	2.87	168	153	E.001	E.008	<.010	.2	.2
26...	.0	84	43.4	1.78	E.08	1.56	168	128	E.001	E.009	<.010	.3	.2

Date	Phosphorus, water, unfltrd, mg/L (00665)	Phosphorus, water, fltrd, mg/L (00666)	Orthophosphate, water, fltrd, 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)
APR 06...	.004	E.003	<.006	2.1	<.2	.2	102	<.06	13	<.04	<.8	.173	.9
MAY 19...	E.154	.015	<.006	68.8	<.2	.4	33.3	<.06	8	E.03	<.8	.304	3.7
25...	.169	.013	<.006	40.4	<.2	.4	42.4	<.06	E4	<.04	E.8	.259	3.3
JUN 07...	.081	.011	<.006	39.0	<.2	.4	43.1	E.05	E6	<.04	E.6	.135	2.5
JUL 14...	.041	E.003	<.006	11.2	<.2	.4	67.5	<.06	E7	<.04	<.8	.111	1.4
AUG 03...	.006	E.003	<.006	9.5	<.2	.3	58.3	<.06	13	<.04	<.8	.093	1.5
26...	.006	E.003	<.006	12.2	<.2	E.2	43.6	E.03	E5	.05	<.8	.105	8.4

Date	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)	Organic carbon, water, fltrd, mg/L (00681)
APR 06...	7	<.08	8.5	16.0	.7	4.60	.4	<.20	187	.27	1.3	.82	1.3
MAY 19...	302	<.08	2.6	17.3	<.4	3.61	E.2	<.20	44.3	.38	6.6	.26	17
25...	220	.12	2.4	6.8	E.3	3.74	E.3	<.20	42.9	.46	1.1	.25	15
JUN 07...	224	.11	3.2	4.0	E.3	3.15	E.3	<.20	65.8	.46	.8	.21	14
JUL 14...	29	<.08	5.8	1.3	.5	2.29	E.3	<.20	135	.24	.7	.46	6.2
AUG 03...	16	<.08	5.3	2.2	.5	2.32	E.3	<.20	135	.30	E.5	.40	5.8
26...	20	.27	3.4	4.2	E.3	2.12	<.4	<.20	80.5	.15	16.0	.19	7.6

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YUKON ALASKA

15389000 -- PORCUPINE RIVER NEAR FORT YUKON--Continued

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

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)
APR 06...	<.12	<.12	<.12	<.022	13	29	76
MAY 19...	E.217	E3.87	E4.08	E.323	E178	--	E98
25...	.136	4.16	4.29	.370	158	21900	95
JUN 07...	<.12	1.75	1.81	.134	69	7470	94
JUL 14...	<.12	2.98	3.00	.160	34	1510	96
AUG 03...	<.12	.274	.274	.037	1	13	81
26...	<.12	.231	.231	<.022	1	12	87