

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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

YUKON ALASKA

15389000 -- PORCUPINE RIVER NEAR FORT YUKON

Date	Time	Sample location, cross section ft from rt bank (72103)	Specif. 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								
09...	1230	120.0	404	7.4	.0	764	5.7	39
09...	1250	200.0	404	7.4	.0	764	5.6	39
09...	1310	220.0	404	7.4	.0	764	5.7	39
09...	1330	300.0	400	7.4	.0	764	5.7	39
09...	1350	350.0	404	7.4	.0	764	5.7	39
JUN								
02...	1500	171.0	107	7.7	10.1	741	10.8	99
02...	1510	398.0	105	7.6	10.0	741	10.7	98
02...	1520	636.0	102	7.6	9.9	742	10.8	98
02...	1530	872.0	100	7.6	9.9	742	10.7	97
02...	1540	1151	98	7.5	10.0	742	10.7	97
07...	1420	86.0	138	7.6	12.7	752	9.9	95
07...	1430	289.0	136	7.6	12.6	752	9.6	91
07...	1440	580.0	131	7.7	12.6	752	9.4	89
07...	1450	703.0	129	7.7	12.7	752	9.4	90
07...	1500	955.0	124	7.7	12.8	752	9.4	90
11...	1300	88.0	139	7.7	13.0	744	8.8	85
11...	1310	242.0	138	7.7	13.0	744	8.6	83
11...	1320	420.0	137	7.7	13.0	744	8.6	84
11...	1330	694.0	134	7.7	13.0	744	8.6	83
11...	1340	867.0	133	7.7	13.1	744	8.6	84
JUL								
29...	1500	185.0	288	8.2	17.3	742	--	--
29...	1510	313.0	289	8.2	17.3	742	--	--
29...	1520	450.0	288	8.2	17.4	742	--	--
29...	1530	621.0	289	8.3	17.4	742	--	--
29...	1540	759.0	289	8.2	17.4	742	--	--
AUG								
09...	1500	200.0	223	7.8	15.2	756	9.8	98
09...	1510	390.0	223	7.7	15.1	766	9.7	96
09...	1520	550.0	223	7.7	4.0	756	9.3	71
09...	1530	760.0	223	7.7	15.0	756	9.3	93
09...	1540	980.0	222	7.7	15.1	756	9.2	92
SEP								
09...	1530	90.0	287	8.1	5.7	755	11.1	89
09...	1540	270.0	288	8.1	5.6	755	11.1	89
09...	1550	450.0	287	8.1	5.7	755	11.1	89
09...	1600	630.0	288	8.1	5.7	755	11.1	90
09...	1610	810.0	288	8.1	5.4	755	11.4	91

Date	Time	Medium code	Sample type	Ice thickness, feet (82130)	Stream width, feet (00004)	Instantaneous discharge, cfs (00061)	Sampling method, code (82398)	Sampler type, code (84164)	Type of sample related QA data, code (99111)	Specif. conductance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd, std units (00400)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
APR													
09...	1400	9	9	4.00	--	--	20	3060	1	404	7.4	14.0	.0
JUN													
02...	1620	9	9	--	--	65000	20	3055	1	102	7.6	--	10
07...	1520	9	9	--	--	53500	20	3055	1	131	7.7	--	12.7
11...	1350	9	9	--	1400	37600	20	3055	1	137	7.7	--	13.0
JUL													
29...	1420	9	9	--	--	7000	20	3055	30	289	8.2	--	17.4
AUG													
09...	1610	9	9	--	--	21700	20	3055	10	223	7.7	--	15.1
SEP													
09...	1300	9	9	--	908	5510	20	3055	1	287	8.1	--	5.6

Date	Turbidity, wat unf 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 incr., field, mg/L (00453)	Carbonate, wat flt incr., field, mg/L (00452)
APR													
09...	<2	.0396	.0279	764	5.7	39	210	61.9	13.5	5.38	.59	210	.0
JUN													
02...	137	.5507	.4139	743	10.7	98	54	17.1	2.69	2.11	.71	48	.0
07...	76	.3630	.2700	752	9.4	90	62	19.3	3.34	1.21	.63	55	.0
11...	50	.3660	.2708	744	8.6	84	70	21.4	3.95	1.71	.61	57	.0
JUL													
29...	18	.0795	.0557	742	--	--	160	50.8	8.38	3.75	.63	140	.0
AUG													
09...	24	.209	.154	756	93.5	936	110	30.1	7.77	3.29	.65	76	.0
SEP													
09...	<2	.1263	.0891	755	11.2	90	140	41.2	8.77	4.07	.53	122	.0

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

YUKON ALASKA—Continued

15389000 -- PORCUPINE RIVER NEAR FORT YUKON—Continued

Date	Alka- linity, wat flt inc tit field, mg/L as CaCO3 (39086)	Alka- linity, wat flt end field, mg/L as CaCO3 (39036)	Sulfate water, fltrd, mg/L (00945)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, 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 consti- tuents 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)
APR 09...	172	170	30.5	5.15	<.17	4.65	233	226	<.002	.217	<.010	<.1	E.05
JUN 02...	39	40	9.46	.62	<.17	2.17	91	59	.003	.025	<.010	.8	.4
JUN 07...	45	47	13.1	.67	<.17	2.56	92	68	E.001	.032	<.010	.6	.3
JUN 11...	47	47	16.7	.83	<.17	2.82	114	77	E.001	.037	<.010	.5	.3
JUL 29...	115	120	35.6	2.97	<.17	2.51	181	174	E.001	.040	E.005	.2	.1
AUG 09...	60	60	49.9	1.47	<.17	3.31	159	134	E.001	.075	E.007	.3	.2
SEP 09...	100	100	47.9	2.19	<.17	2.68	194	168	E.001	E.012	<.010	.2	.2
Date	Phos- phorus, water, unfltrd mg/L (00665)	Phos- phorus, water, fltrd, mg/L (00666)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Alum- inum, water, fltrd, ug/L (01106)	Anti- mony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryll- ium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chrom- ium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)
APR 09...	E.003	E.003	<.006	E1.2	<.2	.3	94.0	<.06	8	<.04	<.8	.179	.7
JUN 02...	.198	.017	E.003	34.5	E.1	.4	38.1	<.06	E7	<.04	<.8	.180	2.5
JUN 07...	.130	.012	<.006	19.9	<.2	.4	37.2	<.06	<8	<.04	<.8	.127	4.3
JUN 11...	.061	.009	<.006	25.6	<.2	.4	43.6	<.06	E5	<.04	<.8	.126	2.0
JUL 29...	.006	E.004	<.006	12.2	<.2	.3	67.8	<.06	8	<.04	<.8	.160	1.4
AUG 09...	.043	E.003	<.006	20.1	<.2	.3	54.9	<.06	8	<.04	<.8	.165	2.2
SEP 09...	E.003	E.002	<.006	12.0	<.2	.3	66.8	<.06	10	<.04	<.8	.205	1.7
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)
APR 09...	8.8	E.07	7.3	11.1	1.2	1.57	.5	<.20	161	.60	1.6	.83	1.7
JUN 02...	310	.24	1.8	6.6	E.3	3.21	<.4	<.20	44.4	.47	1.0	.20	16
JUN 07...	148	.14	2.0	4.2	E.3	2.34	<.4	<.20	54.6	.37	E.6	.25	11
JUN 11...	171	.14	2.5	4.5	E.3	2.15	E.3	<.20	64.1	.43	1.1	.25	13
JUL 29...	E4.0	<.08	5.6	.5	.7	1.80	.4	<.20	134	.29	.7	.66	3.1
AUG 09...	72.0	<.08	5.3	4.6	E.4	2.28	E.3	<.20	130	.61	1.6	.26	5.8
SEP 09...	25.2	<.08	7.5	4.4	.5	1.86	<.4	<.20	144	.21	1.5	.46	4.4
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 09...	<.12	<.12	<.12	<.022	2	--	64						
JUN 02...	.694	2.58	3.27	.278	218	38300	90						
JUN 07...	.209	3.97	4.18	.317	150	21700	89						
JUN 11...	.208	2.21	2.42	.186	90	9140	93						
JUL 29...	<.12	.359	.359	.043	2	38	81						
AUG 09...	<.1	1.1	--	--	39	2290	97						
SEP 09...	<.12	.208	.208	<.022	--	--	--						