ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS LAKE SITES

SOUTH-CENTRAL ALASKA

613441149273800 -- LUCILE LAKE (STATION 2) AT WASILLA

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

Date	Time	Depth to bot. from surface at samp locatn, meters (82903)	Sam-pling depth, meters (00098)	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)	Chloro-phyll, tot, wt 650-700 nm, in-situ ug/L (32234)
AUG										
15...	1328	5.60	.05	192	9.3	21.4	755	11.4	131	--
15...	1330	5.60	1.0	192	9.4	21.4	755	11.4	130	--
15...	1332	5.60	2.0	192	9.4	21.4	755	11.4	130	--
15...	1334	5.60	3.0	192	9.4	21.3	755	11.5	131	--
15...	1336	5.60	3.5	200	9.1	20.7	755	10.0	113	--
15...	1338	5.60	4.0	200	8.9	20.0	755	9.4	105	--
15...	1340	5.60	5.0	200	8.6	18.8	755	7.1	77	--
15...	1342	5.60	5.5	202	7.8	18.6	755	5.4	58	--
SEP										
08...	1900	5.80	.10	221	8.9	14.1	768	10.1	97	2.00
08...	1902	5.80	.50	221	9.0	14.2	768	10.6	102	1.50
08...	1904	5.80	1.0	222	8.9	14.0	768	10.6	102	1.50
08...	1906	5.80	1.5	227	8.8	13.6	768	10.5	100	1.90
08...	1908	5.80	2.0	228	8.9	13.5	768	10.7	102	1.60
08...	1910	5.80	2.5	228	8.9	13.5	768	11.3	108	2.20
08...	1912	5.80	3.0	229	8.9	13.5	768	11.0	105	2.30
08...	1914	5.80	3.5	229	8.8	13.4	768	10.8	103	2.10
08...	1916	5.80	4.0	225	8.8	13.3	768	10.5	100	1.90
08...	1918	5.80	4.5	222	8.8	13.2	768	10.2	96	2.20
08...	1920	5.80	5.0	220	8.9	13.1	768	10.4	98	1.90
08...	1922	5.80	5.5	219	8.9	13.1	768	10.4	98	4.00
08...	1924	5.80	5.8	221	7.9	13.1	768	4.5	43	--

Date	Time	Medium code	Sample type	Sampler type, code (84164)	Sam-pling depth, meters (00098)	Depth to top of samplng intrval meters (82047)	Depth to bottom of samplng intrval meters (82048)	Depth to bot. from surface at samp locatn, meters (82903)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Temper-ature, air, deg C (00020)	Trans-parency Secchi disc, meters (00078)	Trans-parency water unfltrd secchi disc feet (49701)
AUG													
15...	1355	9	9	100	--	1.0	3.0	5.60	212	9.0	18.0	4.57	15.0
15...	1410	9	9	100	4.5	--	--	5.60	213	8.4	18.0	4.57	15.0
SEP													
08...	1930	9	9	100	3.0	--	--	5.80	229	--	11.1	4.72	15.5

Date	Baro-metric pres-sure, mm Hg (00025)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	Potas-sium, water, fltrd, mg/L (00935)	Bicar-bonate, wat flt incrm. titr., field, mg/L (00453)	Carbon-ate, wat flt incrm. titr., field, mg/L (00452)	Alka-linity, wat flt inc tit field, mg/L as CaCO3 (39086)	Alka-linity, wat flt fxd 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)
AUG													
15...	755	76	19.4	6.68	8.61	1.02	--	--	54	--	4.1	26.7	<.1
15...	755	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
08...	768	--	--	--	--	--	78	14	69	71	--	--	--

Date	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)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	Total nitro-gen, wat unf by anal ysis, mg/L (62855)	Ammonia water, fltrd, mg/L as N (00608)	Phos-phorus, water, unfltrd mg/L (00665)	Phos-phorus, water, fltrd, mg/L (00666)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)
AUG													
15...	2.63	112	102	E.001	<.016	.62	.52	.031	.010	.007	<.006	10	2.3
15...	--	--	--	E.001	<.016	.82	.60	.051	.013	.009	<.006	--	--
SEP													
08...	--	--	--	.002	.021	.58	.64	.067	.030	.009	<.006	--	--

Date	Deu-terium/ Protium ratio, water, unfltrd per mil (82082)	O-18 / O-16 ratio, water, unfltrd per mil (82085)	Organic carbon, water, fltrd, mg/L (00681)
AUG			
15...	-108	-11.88	5.2
15...	-108	-11.93	5.1
SEP			
08...	-108	-11.96	4.1