

ANALYSES OF SAMPLES COLLECTED AT PAYETTE LAKE SITES
445550116055000 PAYETTE LAKE ST. 1 SW BASIN NEAR MCCALL, ID

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Sam- pling depth, meters (00098)	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)	Phos- phorus, water, unfltrd mg/L (00665)	Phos- phorus, water, fltrd, mg/L (00666)	Chloro- phyll a phyto- plank- ton, fluoro, ug/L (70953)	Pheo- phytin a, phyto- plank- ton, ug/L (62360)
MAY									
20...	1000	2.0	<.022	<.015	.1	E.003	<.004	2.31	1.30
20...	1015	62.0	.047	E.010	.1	E.002	E.002	--	--
JUN									
25...	1000	2.0	<.022	<.015	.1	.005	<.004	2.47	1.15
25...	1015	67.0	.089	<.015	.1	.005	<.004	--	--
JUL									
23...	1215	2.0	<.022	<.015	<.1	.006	E.002	2.14	1.48
23...	1230	65.0	.106	<.015	<.1	.008	.004	--	--
AUG									
25...	0930	2.0	<.022	<.015	.2	.005	E.002	1.76	.900
25...	0945	65.0	.150	<.015	E.09	.013	.009	--	--
SEP									
23...	1010	2.0	<.022	<.015	.1	.005	E.003	1.22	.340
23...	1020	65.0	.181	.017	.1	.022	.012	--	--

Date	Time	Depth at sample locati- on, feet (81903)	Temper- ature, air, deg C (00020)	Inci- dent light intnsty 400- 700 nm, uE/m2/s (00200)	Light attenu- ation coeffi- cient, alpha/m (70971)	Depth to 1% of surface light, meters (85328)	Trans- parency Secchi disc, meters (00078)
MAY							
20...	0935	215.0	10.0	1000	.41	11	6.20
JUN							
25...	0930	230.0	13.0	1300	.44	11	6.50
JUL							
23...	1140	230.0	27.0	1900	.38	12	8.50
AUG							
25...	0855	233.0	13.0	650	.42	11	7.20
SEP							
23...	0935	233.0	19.0	750	.38	11	7.50

Note: Sampling depths of 2 meters denote a depth-integrated sample of the euphotic zone

< Less than
E Estimated value

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Sam- pling depth, meters (00098)	Temper- ature, water, deg C (00010)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	Baro- metric pres- sure, mm Hg (00025)
MAY							
20...	0940	.1	7.5	21	10.6	103	655
20...	0941	1.0	7.5	21	10.6	103	655
20...	0942	3.0	7.3	21	10.7	103	655
20...	0943	5.0	6.8	21	10.7	102	655
20...	0944	7.0	6.6	20	10.7	102	655
20...	0945	10.0	6.2	20	10.5	99	655
20...	0946	15.0	5.0	20	10.0	91	655
20...	0947	20.0	4.8	19	9.4	85	655
20...	0948	30.0	4.5	19	9.1	82	655
20...	0949	40.0	4.3	18	8.8	79	655
20...	0950	50.0	4.2	18	8.5	76	655
20...	0951	60.0	4.0	18	8.0	71	655
20...	0952	63.0	4.0	18	7.0	62	655
20...	0953	64.0	4.0	18	7.0	62	655
20...	0954	64.5	4.0	18	7.0	62	655

ANALYSES OF SAMPLE COLLECTED AT PAYETTE LAKE SITES
445550116055000 PAYETTE LAKE ST. 1 SW BASIN NEAR MCCALL, ID--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Sam- pling depth, meters (00098)	Temper- ature, water, deg C (00010)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	Baro- metric pres- sure, mm Hg (00025)
JUN							
25...	0935	1.0	13.3	18	9.4	105	655
25...	0936	3.0	13.2	18	9.5	106	655
25...	0937	5.0	13.1	18	9.5	105	655
25...	0938	7.0	10.1	18	10.1	104	655
25...	0939	9.0	8.8	19	10.5	105	655
25...	0940	11.0	7.5	19	10.8	105	655
25...	0941	13.0	7.2	19	10.6	102	655
25...	0942	15.0	6.4	20	10.4	98	655
25...	0943	20.0	5.2	20	9.8	90	655
25...	0944	30.0	4.6	20	8.9	80	655
25...	0945	40.0	4.4	20	8.6	77	655
25...	0946	50.0	4.2	20	8.2	73	655
25...	0947	60.0	4.1	20	7.5	67	655
25...	0948	63.0	4.0	20	7.0	62	655
25...	0949	66.0	4.0	20	6.5	58	655
25...	0950	68.0	4.0	21	6.1	54	655
JUL							
23...	1145	1.0	23.9	18	7.5	105	650
23...	1146	3.0	23.2	18	7.6	105	650
23...	1147	5.0	18.5	17	9.6	121	650
23...	1148	6.0	15.0	17	10.6	124	650
23...	1149	7.0	13.1	17	10.8	121	650
23...	1150	8.0	11.5	17	11.0	118	650
23...	1151	9.0	10.3	18	11.0	115	650
23...	1152	10.0	9.4	18	10.6	109	650
23...	1153	12.0	8.1	18	10.3	102	650
23...	1154	15.0	6.9	19	9.6	93	650
23...	1155	20.0	5.7	19	9.2	86	650
23...	1156	30.0	4.8	19	8.5	78	650
23...	1157	40.0	4.5	19	8.1	73	650
23...	1158	50.0	4.3	19	7.7	69	650
23...	1159	60.0	4.1	19	7.1	64	650
23...	1200	62.0	4.1	19	6.6	59	650
23...	1201	64.0	4.1	20	6.1	55	650
23...	1202	66.0	4.1	20	5.0	45	650
AUG							
25...	0900	.1	20.7	20	7.7	100	655
25...	0901	1.0	20.7	20	7.7	100	655
25...	0902	3.0	20.7	20	7.7	100	655
25...	0903	5.0	20.5	19	7.7	100	655
25...	0904	6.0	20.0	19	8.0	103	655
25...	0905	7.0	16.7	19	10.0	120	655
25...	0906	8.0	12.8	20	10.7	118	655
25...	0907	9.0	11.1	20	10.6	112	655
25...	0908	10.0	9.5	20	10.1	103	655
25...	0909	12.0	8.2	20	9.2	91	655
25...	0910	15.0	7.0	21	8.6	82	655
25...	0911	20.0	5.6	21	8.1	75	655
25...	0912	30.0	4.7	21	7.9	71	655
25...	0913	40.0	4.4	21	7.8	70	655
25...	0914	50.0	4.2	21	7.4	66	655
25...	0915	60.0	4.1	21	6.0	53	655
25...	0916	62.0	4.1	21	5.6	50	655
25...	0917	64.0	4.1	22	4.3	38	655
25...	0918	66.0	4.1	24	3.0	27	655
25...	0919	67.5	4.1	26	2.1	19	655
SEP							
23...	0940	.5	15.2	20	8.7	102	650
23...	0941	1.0	15.1	20	8.7	102	650
23...	0942	3.0	15.1	20	8.8	103	650
23...	0943	5.0	15.0	20	8.6	100	650
23...	0944	6.0	14.9	20	8.7	101	650
23...	0945	7.0	14.8	20	8.6	100	650
23...	0946	8.0	13.5	20	9.0	101	650
23...	0947	9.0	12.9	20	9.4	105	650
23...	0948	10.0	11.7	20	9.5	103	650
23...	0949	12.0	8.6	20	8.8	88	650
23...	0950	15.0	7.2	20	8.0	78	650
23...	0951	20.0	5.6	21	7.4	69	650
23...	0952	30.0	4.8	21	7.6	69	650
23...	0953	40.0	4.4	21	7.9	71	650
23...	0954	50.0	4.3	21	7.4	67	650
23...	0955	60.0	4.1	21	5.0	45	650
23...	0956	62.0	4.1	21	4.5	40	650
23...	0957	64.0	4.1	22	3.8	34	650
23...	0958	66.0	4.1	26	1.0	9	650
23...	0959	66.5	4.1	30	.4	4	650

ANALYSES OF SAMPLES COLLECTED AT PAYETTE LAKE SITES
445615116033500 PAYETTE LAKE ST. 4 SE BASIN NEAR MCCALL, ID

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Sam- pling depth, meters (00098)	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)	Phos- phorus, water, unfltrd mg/L (00665)	Phos- phorus, water, fltrd, mg/L (00666)	Chloro- phyll a phyto- plank- ton, fluoro, ug/L (70953)	Pheo- phytin a, phyto- plank- ton, ug/L (62360)
MAY									
20...	1330	2.0	.025	<.015	E.10	E.002	E.002	1.93	.740
20...	1345	30.0	.037	<.015	E.10	<.004	E.002	--	--
JUN									
25...	1215	2.0	<.022	<.015	.1	.005	<.004	2.14	.970
25...	1230	33.0	.038	E.009	.1	E.003	<.004	--	--
JUL									
23...	1100	2.0	<.022	<.015	<.1	.005	E.003	1.23	.920
23...	1115	33.0	.037	E.010	E.08	.005	E.002	--	--
AUG									
25...	1045	2.0	<.022	<.015	.1	.005	E.002	1.64	.910
25...	1100	33.0	.046	.025	.1	.008	.004	--	--
SEP									
23...	1240	2.0	<.022	<.015	.1	E.003	E.003	1.44	.580
23...	1300	33.0	.056	<.015	.1	.006	.005	--	--

Date	Time	Depth at sample locati- on, feet (81903)	Temper- ature, air, deg C (00020)	Inci- dent light intnsty 400- 700 nm, uE/m2/s (00200)	Light attenu- ation coeffi- cient, alpha/m (70971)	Depth to 1% of surface light, meters (85328)	Trans- parency Secchi disc, meters (00078)
MAY							
20...	1300	112.0	15.0	1850	.34	11	5.30
JUN							
25...	1145	115.0	16.0	600	.41	11	6.00
JUL							
23...	1030	118.0	31.0	1600	.43	11	7.00
AUG							
25...	1020	121.0	23.0	1000	.40	11	7.50
SEP							
23...	1215	115.0	26.0	1370	.39	11	7.50

Note: Sampling depths of 2 meters denote a depth-integrated sample of the euphotic zone

< Less than
E Estimated value

ANALYSES OF SAMPLES COLLECTED AT PAYETTE LAKE SITES
445615116033500 PAYETTE LAKE ST. 4 SE BASIN NEAR MCCALL, ID--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Sam- pling depth, meters (00098)	Temper- ature, water, deg C (00010)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	Baro- metric pres- sure, mm Hg (00025)
MAY							
20...	1305	.1	9.1	20	10.5	106	655
20...	1306	1.0	7.5	20	10.8	105	655
20...	1307	3.0	6.9	19	10.9	104	655
20...	1308	5.0	6.1	19	10.9	102	655
20...	1309	7.0	5.8	19	10.8	101	655
20...	1310	10.0	5.6	18	10.7	99	655
20...	1311	15.0	4.3	18	10.6	95	655
20...	1312	20.0	4.7	18	10.4	94	655
20...	1313	25.0	4.5	17	10.2	92	655
20...	1314	30.0	4.4	17	10.1	91	655
20...	1315	32.5	4.4	17	9.4	84	655
JUN							
25...	1150	1.0	13.3	17	9.5	106	655
25...	1151	3.0	13.3	16	9.4	105	655
25...	1152	5.0	11.5	16	9.7	104	655
25...	1153	7.0	10.6	16	10.0	105	655
25...	1154	9.0	6.9	17	10.6	101	655
25...	1155	11.0	6.5	17	10.5	99	655
25...	1156	13.0	6.3	17	10.4	98	655
25...	1157	15.0	5.5	17	10.4	96	655
25...	1158	20.0	5.2	17	10.2	93	655
25...	1159	25.0	4.9	18	10.1	92	655
25...	1200	30.0	4.9	18	10.0	91	655
25...	1201	34.0	4.8	18	9.9	90	655
JUL							
23...	1035	1.0	23.9	17	7.4	103	650
23...	1036	3.0	23.1	17	7.5	103	650
23...	1037	5.0	21.0	17	7.9	104	650
23...	1038	6.0	17.2	16	9.2	112	650
23...	1039	7.0	12.8	15	10.0	111	650
23...	1040	8.0	10.2	15	10.5	110	650
23...	1041	9.0	8.1	16	10.6	105	650
23...	1042	10.0	7.5	16	10.3	101	650
23...	1043	12.0	6.8	16	10.2	98	650
23...	1044	15.0	6.0	16	10.0	94	650
23...	1045	20.0	5.4	17	9.9	92	650
23...	1046	25.0	5.1	17	9.7	89	650
23...	1047	30.0	5.0	17	9.5	87	650
23...	1048	33.0	5.0	17	9.3	85	650
23...	1049	35.0	5.0	18	7.7	71	650
AUG							
25...	1025	.1	20.6	19	7.8	101	655
25...	1026	1.0	20.5	19	7.7	100	655
25...	1027	3.0	20.2	20	7.7	99	655
25...	1028	5.0	20.2	19	7.7	99	655
25...	1029	6.0	20.2	19	7.7	99	655
25...	1030	7.0	19.8	19	7.7	99	655
25...	1031	8.0	15.5	17	9.4	110	655
25...	1032	9.0	10.2	17	10.2	106	655
25...	1033	10.0	7.6	18	9.7	94	655
25...	1034	15.0	6.5	18	9.1	86	655
25...	1035	20.0	5.9	18	9.2	86	655
25...	1036	25.0	5.2	18	9.2	84	655
25...	1037	30.0	5.1	19	8.9	81	655
25...	1038	34.0	5.0	20	6.3	57	655
SEP							
23...	1220	.5	14.9	20	8.9	104	650
23...	1221	1.0	14.8	20	8.8	102	650
23...	1222	3.0	14.6	20	8.8	102	650
23...	1223	5.0	14.4	20	8.7	100	650
23...	1224	7.0	14.2	19	8.7	100	650
23...	1225	8.0	14.0	19	8.5	97	650
23...	1226	9.0	13.6	19	8.6	97	650
23...	1227	10.0	9.1	17	9.0	92	650
23...	1228	11.0	7.6	18	9.0	88	650
23...	1229	12.0	7.1	18	8.8	85	650
23...	1230	15.0	6.5	18	8.8	84	650
23...	1231	20.0	5.7	18	8.8	82	650
23...	1232	25.0	5.3	18	8.7	81	650
23...	1233	30.0	5.2	19	8.3	77	650
23...	1234	33.0	5.2	19	7.2	66	650

ANALYSES OF SAMPLES COLLECTED AT PAYETTE LAKE SITES
 445850116035000 PAYETTE LAKE ST. 3 NE BASIN NEAR MCCALL, ID

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Sam- pling depth, meters (00098)	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)	Phos- phorus, water, unfltrd mg/L (00665)	Phos- phorus, water, fltrd, mg/L (00666)	Chloro- phyll a phyto- plank- ton, fluoro, ug/L (70953)	Pheo- phytin a, phyto- plank- ton, ug/L (62360)
MAY									
20...	1215	2.0	.034	<.015	.1	<.004	<.004	1.88	.740
20...	1230	88.0	.041	<.015	.1	<.004	E.002	--	--
JUN									
25...	1100	2.0	<.022	<.015	.1	.005	<.004	1.79	.810
25...	1115	88.0	.045	.017	.1	E.004	<.004	--	--
JUL									
23...	1015	2.0	<.022	<.015	<.1	.014	<.004	1.23	.980
23...	1030	85.0	.046	.022	E.08	.004	E.002	--	--
AUG									
25...	1215	2.0	<.022	<.015	.1	.015	E.003	1.70	.790
25...	1230	85.0	.105	<.015	.1	.008	.004	--	--
SEP									
23...	1330	2.0	<.022	<.015	.2	.015	E.003	1.05	.370
23...	1345	85.0	.133	<.015	E.09	.006	.004	--	--

Date	Time	Depth at sample locati- on, feet (81903)	Temper- ature, air, deg C (00020)	Inci- dent light intnsty 400- 700 nm, uE/m2/s (00200)	Light attenu- ation coeffi- cient, alpha/m (70971)	Depth to 1% of surface light, meters (85328)	Trans- parency Secchi disc, meters (00078)
MAY							
20...	1130	295.0	16.0	1700	.35	12	8.60
JUN							
25...	1025	300.0	15.0	2100	.44	10	5.50
JUL							
23...	0940	302.0	30.0	1200	.43	10	8.50
AUG							
25...	1135	302.0	30.0	1600	.39	11	8.00
SEP							
23...	1255	305.0	17.0	1600	.38	11	8.00

Note: Sampling depths of 2 meters denote a depth-integrated sample of the euphotic zone.

< Less than
 E Estimated value

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Sam- pling depth, meters (00098)	Temper- ature, water, deg C (00010)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	Baro- metric pres- sure, mm Hg (00025)
MAY							
20...	1135	.1	7.6	20	11.0	107	655
20...	1136	1.0	6.6	19	11.0	104	655
20...	1137	3.0	5.5	19	11.0	102	655
20...	1138	5.0	5.3	19	10.9	100	655
20...	1139	7.0	5.1	19	10.8	99	655
20...	1140	10.0	5.0	18	10.8	98	655
20...	1141	20.0	4.5	18	10.8	97	655
20...	1142	30.0	4.2	17	10.6	95	655
20...	1143	40.0	4.2	17	10.5	94	655
20...	1144	50.0	4.0	17	10.4	92	655
20...	1145	60.0	4.0	17	10.4	92	655
20...	1146	70.0	4.0	17	10.3	91	655
20...	1147	80.0	3.9	17	10.2	90	655
20...	1148	85.0	3.9	17	10.2	90	655

ANALYSES OF SAMPLES COLLECTED AT PAYETTE LAKE SITES
445850116035000 PAYETTE LAKE ST. 3 NE BASIN NEAR MCCALL, ID--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Sam- pling depth, meters (00098)	Temper- ature, water, deg C (00010)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	Baro- metric pres- sure, mm Hg (00025)
JUN							
25...	1030	1.0	12.9	16	9.6	106	655
25...	1031	3.0	12.2	16	9.7	105	655
25...	1032	5.0	10.9	15	9.7	102	655
25...	1033	7.0	10.5	15	9.9	103	655
25...	1034	9.0	9.4	15	10.0	102	655
25...	1035	11.0	7.7	15	10.2	100	655
25...	1036	15.0	6.4	15	10.4	98	655
25...	1037	20.0	5.8	15	10.4	97	655
25...	1038	30.0	5.1	16	10.4	95	655
25...	1039	40.0	4.8	16	10.4	94	655
25...	1040	50.0	4.6	17	10.4	94	655
25...	1041	60.0	4.4	17	10.2	92	655
25...	1042	70.0	4.3	18	10.1	90	655
25...	1043	80.0	4.2	18	10.0	89	655
25...	1044	85.0	4.2	18	9.8	88	655
JUL							
23...	0945	1.0	22.1	17	7.7	104	650
23...	0946	3.0	22.0	17	7.7	104	650
23...	0947	5.0	21.3	17	7.9	105	650
23...	0948	6.0	14.5	16	9.7	112	650
23...	0949	7.0	13.4	15	10.0	112	650
23...	0950	8.0	11.2	15	10.3	110	650
23...	0951	9.0	10.1	15	10.2	106	650
23...	0952	10.0	9.0	15	10.1	103	650
23...	0953	12.0	6.8	15	10.2	98	650
23...	0954	15.0	6.2	15	9.7	91	655
23...	0955	20.0	5.8	15	9.8	92	650
23...	0956	30.0	5.1	16	10.0	92	650
23...	0957	40.0	4.8	16	10.0	91	650
23...	0958	50.0	4.5	17	10.0	91	650
23...	0959	60.0	4.4	17	9.9	90	650
23...	1000	70.0	4.3	17	9.8	88	650
23...	1001	80.0	4.3	18	9.6	87	650
23...	1002	85.0	4.3	18	9.2	83	650
AUG							
25...	1140	.1	21.5	20	7.9	105	655
25...	1141	1.0	20.4	20	8.0	104	655
25...	1142	3.0	20.2	20	7.9	102	655
25...	1143	5.0	19.9	20	7.8	100	655
25...	1144	6.0	19.9	19	7.8	100	655
25...	1145	7.0	19.6	20	7.9	101	655
25...	1146	8.0	14.3	17	9.6	109	655
25...	1147	9.0	11.6	17	10.0	107	655
25...	1148	10.0	9.3	17	9.9	100	655
25...	1149	15.0	6.3	17	9.6	90	655
25...	1150	20.0	6.0	17	9.5	89	655
25...	1151	30.0	5.2	18	9.6	88	655
25...	1152	40.0	4.8	18	9.7	88	655
25...	1153	50.0	4.5	19	9.6	86	655
25...	1154	60.0	4.4	19	9.4	84	655
25...	1155	70.0	4.3	19	9.3	83	655
25...	1156	80.0	4.2	20	8.9	79	655
25...	1157	85.0	4.2	22	7.4	66	655
25...	1158	88.0	4.2	24	6.0	54	655
SEP							
23...	1300	.5	15.7	20	8.7	103	650
23...	1301	1.0	14.8	20	8.7	101	650
23...	1302	3.0	14.3	20	8.7	100	650
23...	1303	5.0	14.1	19	8.7	99	650
23...	1304	7.0	13.5	19	8.6	97	650
23...	1305	9.0	13.3	19	8.6	97	650
23...	1306	10.0	10.0	17	8.8	92	650
23...	1307	11.0	7.2	17	8.8	86	650
23...	1308	12.0	6.9	17	8.7	84	650
23...	1309	15.0	6.4	17	8.7	83	650
23...	1310	20.0	5.8	18	8.8	83	650
23...	1311	30.0	5.1	18	9.1	84	650
23...	1312	40.0	4.8	18	9.2	84	650
23...	1313	50.0	4.5	18	9.2	83	650
23...	1314	60.0	4.4	19	8.9	81	650
23...	1315	70.0	4.3	19	8.7	78	650
23...	1316	80.0	4.3	20	7.6	69	650
23...	1317	85.0	4.2	21	6.8	61	650
23...	1318	88.0	4.2	22	5.3	48	650