



Watercourse A60-A59. Downstream view. July 6, 2015.



Watercourse A62-A17. Aerial view. Flow from right to left. June 19, 2015.



Watercourse A62-A17. Upstream view from near Lake A17. July 7, 2015.



Watercourse A63-A18. Downstream view from near Lake A63. July 5, 2015.



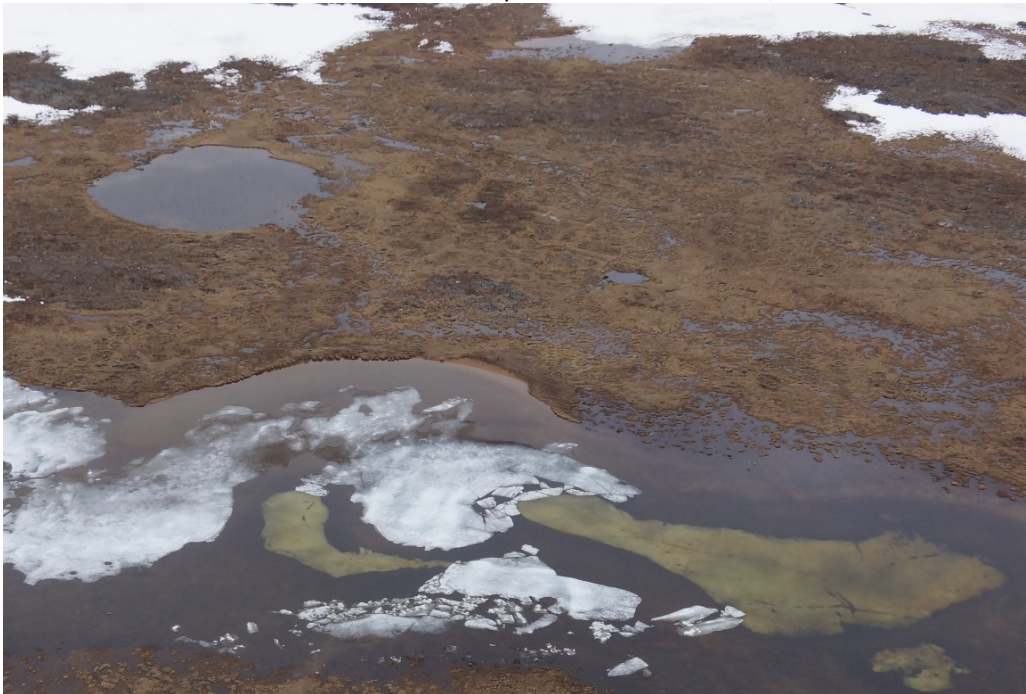
Watercourse A65-A17. Downstream view. June 27 2015.



Watercourse A-P21-A52. Downstream view. August 1, 2015.



Watercourse A-P23-A17. Upstream view. June 26, 2015.



Watercourse A-P38-A47. Aerial photo shows A-P38 as small pond in upper-left, with poorly defined watercourse flowing down to the right to A47 across bottom. June 19, 2015.



Watercourse A-P54-A-P23. Downstream view. June 26, 2015.



Watercourse A113-A47. Downstream view. June 28, 2015.



Watercourse A113-A47. Downstream view. August 1, 2015.

APPENDIX C. MERCURY AND METALS ANALYSES

Table C-1. Total length and weight of Ninespine Stickleback in composite samples submitted for mercury and metals analyses.

Lake	Composite Sample #	total length (mm)	weight (g)	Lake	Composite Sample #	total length (mm)	weight (g)
Whale Tail	1	68	2.2	Mammoth	8	64	na
		53	1.0			70	na
		58	1.1			60	na
		55	0.9			52	na
		56	1.0			53	na
	2	55	1.0		9	39	na
		45	0.5			47	0.5
		51	0.8			45	0.7
		53	0.7			51	0.9
		47	0.5			59	1.1
	3	45	0.5		10	47	0.5
		40	0.4			51	0.7
		40	0.3			46	0.6
		46	0.5			43	0.5
	4	45	0.5		11	45	0.6
		37	0.3			44	0.6
		37	0.3			46	0.6
		39	0.3			43	0.5
		40	0.4			42	0.6
	5	41	0.4		12	44	0.6
		44	0.5			43	0.5
		40	0.3			45	0.7
		36	0.2			42	0.4
	6	37	0.4		13	44	0.5
		45	0.6			41	0.4
		37	0.2			38	0.4
		31	0.1			39	0.4
		40	0.4			38	0.3
	7	37	0.3		14	44	0.6
		38	0.3			37	0.4
		31	<0.1			37	0.3
		40	0.4			40	0.4
		35	0.1			40	0.4
		42	0.5			41	0.4
		36	0.2		34	0.2	
		30	<0.1		15	30	0.2
		47	0.3			34	0.3
		35	0.3			35	0.3
						33	0.3



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Report Date: 10-NOV-15 11:49 (MT)
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Client Phone: 519-824-8227

Certificate of Analysis

Lab Work Order #: L1677176
Project P.O. #: NOT SUBMITTED
Job Reference: AMARUQ 2015
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Legal Site Desc:

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L1677176-1 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #46	L1677176-2 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #47	L1677176-3 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #48	L1677176-4 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #49	L1677176-5 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #50
Grouping	Analyte					
TISSUE						
Physical Tests	% Moisture (%)	80.4	78.3	79.1	80.1	78.4
Metals	Aluminum (Al)-Total (mg/kg)					
	Aluminum (Al)-Total (mg/kg wwt)					
	Antimony (Sb)-Total (mg/kg)					
	Antimony (Sb)-Total (mg/kg wwt)					
	Arsenic (As)-Total (mg/kg)					
	Arsenic (As)-Total (mg/kg wwt)					
	Barium (Ba)-Total (mg/kg)					
	Barium (Ba)-Total (mg/kg wwt)					
	Beryllium (Be)-Total (mg/kg)					
	Beryllium (Be)-Total (mg/kg wwt)					
	Bismuth (Bi)-Total (mg/kg)					
	Bismuth (Bi)-Total (mg/kg wwt)					
	Boron (B)-Total (mg/kg)					
	Boron (B)-Total (mg/kg wwt)					
	Cadmium (Cd)-Total (mg/kg)					
	Cadmium (Cd)-Total (mg/kg wwt)					
	Calcium (Ca)-Total (mg/kg)					
	Calcium (Ca)-Total (mg/kg wwt)					
	Cesium (Cs)-Total (mg/kg)					
	Cesium (Cs)-Total (mg/kg wwt)					
	Chromium (Cr)-Total (mg/kg)					
	Chromium (Cr)-Total (mg/kg wwt)					
	Cobalt (Co)-Total (mg/kg)					
	Cobalt (Co)-Total (mg/kg wwt)					
	Copper (Cu)-Total (mg/kg)					
	Copper (Cu)-Total (mg/kg wwt)					
	Iron (Fe)-Total (mg/kg)					
	Iron (Fe)-Total (mg/kg wwt)					
	Lead (Pb)-Total (mg/kg)					
	Lead (Pb)-Total (mg/kg wwt)					
	Lithium (Li)-Total (mg/kg)					
	Lithium (Li)-Total (mg/kg wwt)					
	Magnesium (Mg)-Total (mg/kg)					
	Magnesium (Mg)-Total (mg/kg wwt)					
	Manganese (Mn)-Total (mg/kg)					
	Manganese (Mn)-Total (mg/kg wwt)					

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L1677176-6 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #52	L1677176-7 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #53	L1677176-8 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #54A	L1677176-9 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #54B	L1677176-10 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #56
Grouping	Analyte					
TISSUE						
Physical Tests	% Moisture (%)	69.6	78.5	75.1	75.3	74.8
Metals	Aluminum (Al)-Total (mg/kg)					
	Aluminum (Al)-Total (mg/kg wwt)					
	Antimony (Sb)-Total (mg/kg)					
	Antimony (Sb)-Total (mg/kg wwt)					
	Arsenic (As)-Total (mg/kg)					
	Arsenic (As)-Total (mg/kg wwt)					
	Barium (Ba)-Total (mg/kg)					
	Barium (Ba)-Total (mg/kg wwt)					
	Beryllium (Be)-Total (mg/kg)					
	Beryllium (Be)-Total (mg/kg wwt)					
	Bismuth (Bi)-Total (mg/kg)					
	Bismuth (Bi)-Total (mg/kg wwt)					
	Boron (B)-Total (mg/kg)					
	Boron (B)-Total (mg/kg wwt)					
	Cadmium (Cd)-Total (mg/kg)					
	Cadmium (Cd)-Total (mg/kg wwt)					
	Calcium (Ca)-Total (mg/kg)					
	Calcium (Ca)-Total (mg/kg wwt)					
	Cesium (Cs)-Total (mg/kg)					
	Cesium (Cs)-Total (mg/kg wwt)					
	Chromium (Cr)-Total (mg/kg)					
	Chromium (Cr)-Total (mg/kg wwt)					
	Cobalt (Co)-Total (mg/kg)					
	Cobalt (Co)-Total (mg/kg wwt)					
	Copper (Cu)-Total (mg/kg)					
	Copper (Cu)-Total (mg/kg wwt)					
	Iron (Fe)-Total (mg/kg)					
	Iron (Fe)-Total (mg/kg wwt)					
	Lead (Pb)-Total (mg/kg)					
	Lead (Pb)-Total (mg/kg wwt)					
	Lithium (Li)-Total (mg/kg)					
	Lithium (Li)-Total (mg/kg wwt)					
	Magnesium (Mg)-Total (mg/kg)					
	Magnesium (Mg)-Total (mg/kg wwt)					
	Manganese (Mn)-Total (mg/kg)					
	Manganese (Mn)-Total (mg/kg wwt)					

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L1677176-11 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #57	L1677176-12 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #58	L1677176-13 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #59	L1677176-14 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #60	L1677176-15 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #61
Grouping	Analyte					
TISSUE						
Physical Tests	% Moisture (%)	72.7	75.3	76.0	78.7	77.0
Metals	Aluminum (Al)-Total (mg/kg)			<2.0		<2.0
	Aluminum (Al)-Total (mg/kg ww)			<0.40		<0.40
	Antimony (Sb)-Total (mg/kg)			<0.010		<0.010
	Antimony (Sb)-Total (mg/kg ww)			<0.0020		<0.0020
	Arsenic (As)-Total (mg/kg)			0.033		0.025
	Arsenic (As)-Total (mg/kg ww)			0.0079		0.0058
	Barium (Ba)-Total (mg/kg)			0.090		<0.050
	Barium (Ba)-Total (mg/kg ww)			0.022		<0.010
	Beryllium (Be)-Total (mg/kg)			<0.010		<0.010
	Beryllium (Be)-Total (mg/kg ww)			<0.0020		<0.0020
	Bismuth (Bi)-Total (mg/kg)			<0.010		<0.010
	Bismuth (Bi)-Total (mg/kg ww)			<0.0020		<0.0020
	Boron (B)-Total (mg/kg)			<1.0		<1.0
	Boron (B)-Total (mg/kg ww)			<0.20		<0.20
	Cadmium (Cd)-Total (mg/kg)			<0.0050		<0.0050
	Cadmium (Cd)-Total (mg/kg ww)			<0.0010		<0.0010
	Calcium (Ca)-Total (mg/kg)			508		261
	Calcium (Ca)-Total (mg/kg ww)			122		60.0
	Cesium (Cs)-Total (mg/kg)			0.0273		0.0801
	Cesium (Cs)-Total (mg/kg ww)			0.0066		0.0185
	Chromium (Cr)-Total (mg/kg)			<0.050		<0.050
	Chromium (Cr)-Total (mg/kg ww)			<0.010		<0.010
	Cobalt (Co)-Total (mg/kg)			<0.020		<0.020
	Cobalt (Co)-Total (mg/kg ww)			<0.0040		<0.0040
	Copper (Cu)-Total (mg/kg)			0.91		1.48
	Copper (Cu)-Total (mg/kg ww)			0.218		0.341
	Iron (Fe)-Total (mg/kg)			12.9		10.5
	Iron (Fe)-Total (mg/kg ww)			3.10		2.42
	Lead (Pb)-Total (mg/kg)			<0.020		<0.020
	Lead (Pb)-Total (mg/kg ww)			<0.0040		<0.0040
	Lithium (Li)-Total (mg/kg)			<0.50		<0.50
	Lithium (Li)-Total (mg/kg ww)			<0.10		<0.10
	Magnesium (Mg)-Total (mg/kg)			1270		1150
	Magnesium (Mg)-Total (mg/kg ww)			306		266
	Manganese (Mn)-Total (mg/kg)			0.302		0.328
	Manganese (Mn)-Total (mg/kg ww)			0.072		0.076

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L1677176-16 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #62	L1677176-17 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #63	L1677176-18 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #64	L1677176-19 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #65	L1677176-20 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #66
Grouping	Analyte					
TISSUE						
Physical Tests	% Moisture (%)	77.3	77.1	78.6	75.7	77.5
Metals	Aluminum (Al)-Total (mg/kg)	<2.0	<2.0	<2.0	<2.0	<2.0
	Aluminum (Al)-Total (mg/kg ww)	<0.40	<0.40	<0.40	<0.40	<0.40
	Antimony (Sb)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010
	Antimony (Sb)-Total (mg/kg ww)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Arsenic (As)-Total (mg/kg)	0.100	0.114	0.030	0.029	0.038
	Arsenic (As)-Total (mg/kg ww)	0.0226	0.0261	0.0065	0.0071	0.0086
	Barium (Ba)-Total (mg/kg)	0.093	0.116	<0.050	<0.050	0.074
	Barium (Ba)-Total (mg/kg ww)	0.021	0.027	0.010	<0.010	0.017
	Beryllium (Be)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010
	Beryllium (Be)-Total (mg/kg ww)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Bismuth (Bi)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	0.020
	Bismuth (Bi)-Total (mg/kg ww)	<0.0020	<0.0020	<0.0020	<0.0020	0.0046
	Boron (B)-Total (mg/kg)	<1.0	<1.0	<1.0	<1.0	<1.0
	Boron (B)-Total (mg/kg ww)	<0.20	<0.20	<0.20	<0.20	<0.20
	Cadmium (Cd)-Total (mg/kg)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	Cadmium (Cd)-Total (mg/kg ww)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Calcium (Ca)-Total (mg/kg)	306	419	239	463	660
	Calcium (Ca)-Total (mg/kg ww)	69.3	96.0	51.2	113	148
	Cesium (Cs)-Total (mg/kg)	0.114	0.0704	0.0372	0.107	0.0421
	Cesium (Cs)-Total (mg/kg ww)	0.0259	0.0161	0.0080	0.0260	0.0094
	Chromium (Cr)-Total (mg/kg)	<0.050	<0.050	<0.050	<0.050	<0.050
	Chromium (Cr)-Total (mg/kg ww)	<0.010	<0.010	<0.010	<0.010	<0.010
	Cobalt (Co)-Total (mg/kg)	<0.020	<0.020	0.022	<0.020	<0.020
	Cobalt (Co)-Total (mg/kg ww)	<0.0040	<0.0040	0.0048	<0.0040	<0.0040
	Copper (Cu)-Total (mg/kg)	1.49	0.68	0.75	0.94	0.92
	Copper (Cu)-Total (mg/kg ww)	0.338	0.157	0.161	0.230	0.206
	Iron (Fe)-Total (mg/kg)	11.4	13.1	12.6	10.6	10.4
	Iron (Fe)-Total (mg/kg ww)	2.59	3.00	2.69	2.58	2.35
	Lead (Pb)-Total (mg/kg)	<0.020	<0.020	<0.020	<0.020	<0.020
	Lead (Pb)-Total (mg/kg ww)	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
	Lithium (Li)-Total (mg/kg)	<0.50	<0.50	<0.50	<0.50	<0.50
	Lithium (Li)-Total (mg/kg ww)	<0.10	<0.10	<0.10	<0.10	<0.10
	Magnesium (Mg)-Total (mg/kg)	1390	1290	989	1150	1260
	Magnesium (Mg)-Total (mg/kg ww)	316	296	212	281	284
	Manganese (Mn)-Total (mg/kg)	0.468	0.611	0.444	0.471	0.593
	Manganese (Mn)-Total (mg/kg ww)	0.106	0.140	0.095	0.115	0.133

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L1677176-21 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #68	L1677176-22 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #69	L1677176-23 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #70	L1677176-24 Tissue 25-AUG-15 MAMMOTH LAKE LAKE TROUT #97	L1677176-25 Tissue 25-AUG-15 MAMMOTH LAKE LAKE TROUT #98
Grouping	Analyte					
TISSUE						
Physical Tests	% Moisture (%)	77.8	76.9	75.3	74.8	75.1
Metals	Aluminum (Al)-Total (mg/kg)	<2.0	<5.0	2.3	<2.0	<2.0
	Aluminum (Al)-Total (mg/kg ww)	<0.40	<1.0	0.56	<0.40	<0.40
	Antimony (Sb)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010
	Antimony (Sb)-Total (mg/kg ww)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Arsenic (As)-Total (mg/kg)	0.031	<0.030	0.034	0.113	0.182
	Arsenic (As)-Total (mg/kg ww)	0.0068	<0.0060	0.0084	0.0286	0.0453
	Barium (Ba)-Total (mg/kg)	0.146	0.162	0.080	0.095	0.159
	Barium (Ba)-Total (mg/kg ww)	0.033	0.037	0.020	0.024	0.040
	Beryllium (Be)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010
	Beryllium (Be)-Total (mg/kg ww)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Bismuth (Bi)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010
	Bismuth (Bi)-Total (mg/kg ww)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Boron (B)-Total (mg/kg)	<1.0	<1.0	<1.0	<1.0	<1.0
	Boron (B)-Total (mg/kg ww)	<0.20	<0.20	<0.20	<0.20	<0.20
	Cadmium (Cd)-Total (mg/kg)	<0.0050	<0.010	<0.0050	<0.0050	<0.0050
	Cadmium (Cd)-Total (mg/kg ww)	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010
	Calcium (Ca)-Total (mg/kg)	760	1350	647	499	549
	Calcium (Ca)-Total (mg/kg ww)	169	312	160	126	137
	Cesium (Cs)-Total (mg/kg)	0.0335	0.0279	0.0339	0.0533	0.0832
	Cesium (Cs)-Total (mg/kg ww)	0.0075	0.0064	0.0084	0.0134	0.0207
	Chromium (Cr)-Total (mg/kg)	<0.050	<0.20	<0.050	<0.050	<0.050
	Chromium (Cr)-Total (mg/kg ww)	<0.010	<0.040	<0.010	<0.010	<0.010
	Cobalt (Co)-Total (mg/kg)	<0.020	<0.020	<0.020	0.029	0.049
	Cobalt (Co)-Total (mg/kg ww)	<0.0040	0.0043	<0.0040	0.0072	0.0122
	Copper (Cu)-Total (mg/kg)	0.93	0.85	0.79	0.75	0.76
	Copper (Cu)-Total (mg/kg ww)	0.207	0.196	0.195	0.188	0.188
	Iron (Fe)-Total (mg/kg)	9.7	10.8	16.6	11.6	9.5
	Iron (Fe)-Total (mg/kg ww)	2.15	2.5	4.10	2.93	2.36
	Lead (Pb)-Total (mg/kg)	<0.020	<0.050	<0.020	<0.020	<0.020
	Lead (Pb)-Total (mg/kg ww)	<0.0040	<0.010	<0.0040	<0.0040	<0.0040
	Lithium (Li)-Total (mg/kg)	<0.50	<0.50	<0.50	<0.50	<0.50
	Lithium (Li)-Total (mg/kg ww)	<0.10	<0.10	<0.10	<0.10	<0.10
	Magnesium (Mg)-Total (mg/kg)	1340	1020	1130	1130	1230
	Magnesium (Mg)-Total (mg/kg ww)	298	235	280	284	307
	Manganese (Mn)-Total (mg/kg)	0.533	0.543	0.538	0.676	0.539
	Manganese (Mn)-Total (mg/kg ww)	0.119	0.125	0.133	0.171	0.134

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L1677176-26 Tissue 25-AUG-15 MAMMOTH LAKE LAKE TROUT #99	L1677176-27 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #100	L1677176-28 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #101	L1677176-29 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #102	L1677176-30 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #103
Grouping	Analyte					
TISSUE						
Physical Tests	% Moisture (%)	76.0	74.8	75.9	76.1	75.7
Metals	Aluminum (Al)-Total (mg/kg)	<2.0	3.5	<2.0	3.3	<2.0
	Aluminum (Al)-Total (mg/kg ww)	0.42	0.89	<0.40	0.80	<0.40
	Antimony (Sb)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010
	Antimony (Sb)-Total (mg/kg ww)	<0.0020	0.0023	<0.0020	<0.0020	<0.0020
	Arsenic (As)-Total (mg/kg)	0.470	0.108	0.055	0.227	0.363
	Arsenic (As)-Total (mg/kg ww)	0.113	0.0273	0.0134	0.0543	0.0883
	Barium (Ba)-Total (mg/kg)	0.126	0.154	0.067	0.210	0.058
	Barium (Ba)-Total (mg/kg ww)	0.030	0.039	0.016	0.050	0.014
	Beryllium (Be)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010
	Beryllium (Be)-Total (mg/kg ww)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Bismuth (Bi)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010
	Bismuth (Bi)-Total (mg/kg ww)	<0.0020	0.0021	<0.0020	<0.0020	<0.0020
	Boron (B)-Total (mg/kg)	<1.0	<1.0	<1.0	<1.0	<1.0
	Boron (B)-Total (mg/kg ww)	<0.20	<0.20	<0.20	<0.20	<0.20
	Cadmium (Cd)-Total (mg/kg)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	Cadmium (Cd)-Total (mg/kg ww)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Calcium (Ca)-Total (mg/kg)	856	1030	294	1360	455
	Calcium (Ca)-Total (mg/kg ww)	206	259	70.6	325	111
	Cesium (Cs)-Total (mg/kg)	0.0889	0.0650	0.0618	0.0827	0.0864
	Cesium (Cs)-Total (mg/kg ww)	0.0213	0.0163	0.0149	0.0198	0.0210
	Chromium (Cr)-Total (mg/kg)	0.057	0.074	<0.050	0.060	<0.050
	Chromium (Cr)-Total (mg/kg ww)	0.014	0.019	<0.010	0.014	<0.010
	Cobalt (Co)-Total (mg/kg)	0.054	<0.020	<0.020	0.043	0.070
	Cobalt (Co)-Total (mg/kg ww)	0.0130	<0.0040	0.0041	0.0102	0.0171
	Copper (Cu)-Total (mg/kg)	0.95	0.69	1.16	0.85	0.85
	Copper (Cu)-Total (mg/kg ww)	0.229	0.174	0.280	0.204	0.208
	Iron (Fe)-Total (mg/kg)	12.8	16.3	11.9	19.5	11.3
	Iron (Fe)-Total (mg/kg ww)	3.08	4.11	2.86	4.65	2.74
	Lead (Pb)-Total (mg/kg)	<0.020	0.120	<0.020	0.042	0.029
	Lead (Pb)-Total (mg/kg ww)	<0.0040	0.0302	0.0044	0.0102	0.0070
	Lithium (Li)-Total (mg/kg)	<0.50	<0.50	<0.50	<0.50	<0.50
	Lithium (Li)-Total (mg/kg ww)	<0.10	<0.10	<0.10	<0.10	<0.10
	Magnesium (Mg)-Total (mg/kg)	1440	1210	1290	1250	1300
	Magnesium (Mg)-Total (mg/kg ww)	347	304	310	299	317
	Manganese (Mn)-Total (mg/kg)	0.756	1.05	0.443	1.23	0.467
	Manganese (Mn)-Total (mg/kg ww)	0.181	0.263	0.107	0.294	0.114

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L1677176-31 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #105	L1677176-32 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #106	L1677176-33 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #108	L1677176-34 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #110	L1677176-35 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #111
Grouping	Analyte					
TISSUE						
Physical Tests	% Moisture (%)	75.4	80.0	77.4	74.0	75.9
Metals	Aluminum (Al)-Total (mg/kg)	<2.0	<2.0	<2.0		
	Aluminum (Al)-Total (mg/kg ww)	<0.40	<0.40	0.44		
	Antimony (Sb)-Total (mg/kg)	<0.010	<0.010	<0.010		
	Antimony (Sb)-Total (mg/kg ww)	<0.0020	<0.0020	<0.0020		
	Arsenic (As)-Total (mg/kg)	0.188	0.358	0.109		
	Arsenic (As)-Total (mg/kg ww)	0.0462	0.0715	0.0247		
	Barium (Ba)-Total (mg/kg)	0.053	0.152	0.153		
	Barium (Ba)-Total (mg/kg ww)	0.013	0.030	0.035		
	Beryllium (Be)-Total (mg/kg)	<0.010	<0.010	<0.010		
	Beryllium (Be)-Total (mg/kg ww)	<0.0020	<0.0020	<0.0020		
	Bismuth (Bi)-Total (mg/kg)	<0.010	<0.010	<0.010		
	Bismuth (Bi)-Total (mg/kg ww)	<0.0020	<0.0020	<0.0020		
	Boron (B)-Total (mg/kg)	<1.0	<1.0	<1.0		
	Boron (B)-Total (mg/kg ww)	<0.20	<0.20	<0.20		
	Cadmium (Cd)-Total (mg/kg)	0.0130	<0.0050	<0.0050		
	Cadmium (Cd)-Total (mg/kg ww)	0.0032	<0.0010	<0.0010		
	Calcium (Ca)-Total (mg/kg)	381	550	641		
	Calcium (Ca)-Total (mg/kg ww)	93.7	110	145		
	Cesium (Cs)-Total (mg/kg)	0.0594	0.0598	0.0682		
	Cesium (Cs)-Total (mg/kg ww)	0.0146	0.0120	0.0154		
	Chromium (Cr)-Total (mg/kg)	<0.050	<0.050	<0.050		
	Chromium (Cr)-Total (mg/kg ww)	<0.010	<0.010	<0.010		
	Cobalt (Co)-Total (mg/kg)	0.049	0.063	0.051		
	Cobalt (Co)-Total (mg/kg ww)	0.0119	0.0126	0.0115		
	Copper (Cu)-Total (mg/kg)	0.88	0.98	1.00		
	Copper (Cu)-Total (mg/kg ww)	0.217	0.196	0.227		
	Iron (Fe)-Total (mg/kg)	15.8	21.4	15.7		
	Iron (Fe)-Total (mg/kg ww)	3.89	4.27	3.57		
	Lead (Pb)-Total (mg/kg)	<0.020	0.047	0.024		
	Lead (Pb)-Total (mg/kg ww)	<0.0040	0.0094	0.0054		
	Lithium (Li)-Total (mg/kg)	<0.50	<0.50	<0.50		
	Lithium (Li)-Total (mg/kg ww)	<0.10	<0.10	<0.10		
	Magnesium (Mg)-Total (mg/kg)	1210	1360	1420		
	Magnesium (Mg)-Total (mg/kg ww)	297	271	321		
	Manganese (Mn)-Total (mg/kg)	0.622	0.474	0.677		
	Manganese (Mn)-Total (mg/kg ww)	0.153	0.095	0.153		

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L1677176-36 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #112	L1677176-37 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #114	L1677176-38 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #115	L1677176-39 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #116	L1677176-40 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #117
Grouping	Analyte					
TISSUE						
Physical Tests	% Moisture (%)	74.8	80.0	77.2	77.0	74.6
Metals	Aluminum (Al)-Total (mg/kg)					
	Aluminum (Al)-Total (mg/kg wwt)					
	Antimony (Sb)-Total (mg/kg)					
	Antimony (Sb)-Total (mg/kg wwt)					
	Arsenic (As)-Total (mg/kg)					
	Arsenic (As)-Total (mg/kg wwt)					
	Barium (Ba)-Total (mg/kg)					
	Barium (Ba)-Total (mg/kg wwt)					
	Beryllium (Be)-Total (mg/kg)					
	Beryllium (Be)-Total (mg/kg wwt)					
	Bismuth (Bi)-Total (mg/kg)					
	Bismuth (Bi)-Total (mg/kg wwt)					
	Boron (B)-Total (mg/kg)					
	Boron (B)-Total (mg/kg wwt)					
	Cadmium (Cd)-Total (mg/kg)					
	Cadmium (Cd)-Total (mg/kg wwt)					
	Calcium (Ca)-Total (mg/kg)					
	Calcium (Ca)-Total (mg/kg wwt)					
	Cesium (Cs)-Total (mg/kg)					
	Cesium (Cs)-Total (mg/kg wwt)					
	Chromium (Cr)-Total (mg/kg)					
	Chromium (Cr)-Total (mg/kg wwt)					
	Cobalt (Co)-Total (mg/kg)					
	Cobalt (Co)-Total (mg/kg wwt)					
	Copper (Cu)-Total (mg/kg)					
	Copper (Cu)-Total (mg/kg wwt)					
	Iron (Fe)-Total (mg/kg)					
	Iron (Fe)-Total (mg/kg wwt)					
	Lead (Pb)-Total (mg/kg)					
	Lead (Pb)-Total (mg/kg wwt)					
	Lithium (Li)-Total (mg/kg)					
	Lithium (Li)-Total (mg/kg wwt)					
	Magnesium (Mg)-Total (mg/kg)					
	Magnesium (Mg)-Total (mg/kg wwt)					
	Manganese (Mn)-Total (mg/kg)					
	Manganese (Mn)-Total (mg/kg wwt)					

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L1677176-41 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #118	L1677176-42 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #119	L1677176-43 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #120	L1677176-44 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #121	L1677176-45 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #122
Grouping	Analyte					
TISSUE						
Physical Tests	% Moisture (%)	77.8	75.4	75.3	74.6	76.1
Metals	Aluminum (Al)-Total (mg/kg)					
	Aluminum (Al)-Total (mg/kg wwt)					
	Antimony (Sb)-Total (mg/kg)					
	Antimony (Sb)-Total (mg/kg wwt)					
	Arsenic (As)-Total (mg/kg)					
	Arsenic (As)-Total (mg/kg wwt)					
	Barium (Ba)-Total (mg/kg)					
	Barium (Ba)-Total (mg/kg wwt)					
	Beryllium (Be)-Total (mg/kg)					
	Beryllium (Be)-Total (mg/kg wwt)					
	Bismuth (Bi)-Total (mg/kg)					
	Bismuth (Bi)-Total (mg/kg wwt)					
	Boron (B)-Total (mg/kg)					
	Boron (B)-Total (mg/kg wwt)					
	Cadmium (Cd)-Total (mg/kg)					
	Cadmium (Cd)-Total (mg/kg wwt)					
	Calcium (Ca)-Total (mg/kg)					
	Calcium (Ca)-Total (mg/kg wwt)					
	Cesium (Cs)-Total (mg/kg)					
	Cesium (Cs)-Total (mg/kg wwt)					
	Chromium (Cr)-Total (mg/kg)					
	Chromium (Cr)-Total (mg/kg wwt)					
	Cobalt (Co)-Total (mg/kg)					
	Cobalt (Co)-Total (mg/kg wwt)					
	Copper (Cu)-Total (mg/kg)					
	Copper (Cu)-Total (mg/kg wwt)					
	Iron (Fe)-Total (mg/kg)					
	Iron (Fe)-Total (mg/kg wwt)					
	Lead (Pb)-Total (mg/kg)					
	Lead (Pb)-Total (mg/kg wwt)					
	Lithium (Li)-Total (mg/kg)					
	Lithium (Li)-Total (mg/kg wwt)					
	Magnesium (Mg)-Total (mg/kg)					
	Magnesium (Mg)-Total (mg/kg wwt)					
	Manganese (Mn)-Total (mg/kg)					
	Manganese (Mn)-Total (mg/kg wwt)					

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L1677176-46 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #123	L1677176-47 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #124	L1677176-48 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #126	L1677176-49 Tissue 26-AUG-15 WHALE TAIL LAKE SMALL FISH COMPOSITE #1	L1677176-50 Tissue 26-AUG-15 WHALE TAIL LAKE SMALL FISH COMPOSITE #2
Grouping	Analyte					
TISSUE						
Physical Tests	% Moisture (%)	78.0	78.7	78.1	74.4	74.0
Metals	Aluminum (Al)-Total (mg/kg)				8.0	<5.0
	Aluminum (Al)-Total (mg/kg wwt)				2.1	<1.0
	Antimony (Sb)-Total (mg/kg)				<0.010	<0.010
	Antimony (Sb)-Total (mg/kg wwt)				<0.0020	<0.0020
	Arsenic (As)-Total (mg/kg)				0.521	0.538
	Arsenic (As)-Total (mg/kg wwt)				0.133	0.140
	Barium (Ba)-Total (mg/kg)				19.1	16.0
	Barium (Ba)-Total (mg/kg wwt)				4.89	4.16
	Beryllium (Be)-Total (mg/kg)				<0.010	<0.010
	Beryllium (Be)-Total (mg/kg wwt)				<0.0020	<0.0020
	Bismuth (Bi)-Total (mg/kg)				<0.010	<0.010
	Bismuth (Bi)-Total (mg/kg wwt)				<0.0020	<0.0020
	Boron (B)-Total (mg/kg)				<1.0	<1.0
	Boron (B)-Total (mg/kg wwt)				<0.20	<0.20
	Cadmium (Cd)-Total (mg/kg)				0.140	0.233
	Cadmium (Cd)-Total (mg/kg wwt)				0.0360	0.0604
	Calcium (Ca)-Total (mg/kg)				50300	40500
	Calcium (Ca)-Total (mg/kg wwt)				12900	10500
	Cesium (Cs)-Total (mg/kg)				0.0427	0.0310
	Cesium (Cs)-Total (mg/kg wwt)				0.0109	0.0081
	Chromium (Cr)-Total (mg/kg)				<0.20	<0.20
	Chromium (Cr)-Total (mg/kg wwt)				0.041	<0.040
	Cobalt (Co)-Total (mg/kg)				0.071	0.057
	Cobalt (Co)-Total (mg/kg wwt)				0.0182	0.0148
	Copper (Cu)-Total (mg/kg)				6.89	6.81
	Copper (Cu)-Total (mg/kg wwt)				1.76	1.77
	Iron (Fe)-Total (mg/kg)				87.2	72.7
	Iron (Fe)-Total (mg/kg wwt)				22.3	18.9
	Lead (Pb)-Total (mg/kg)				0.066	0.057
	Lead (Pb)-Total (mg/kg wwt)				0.017	0.015
	Lithium (Li)-Total (mg/kg)				<0.50	<0.50
	Lithium (Li)-Total (mg/kg wwt)				<0.10	<0.10
	Magnesium (Mg)-Total (mg/kg)				1960	1570
	Magnesium (Mg)-Total (mg/kg wwt)				503	409
	Manganese (Mn)-Total (mg/kg)				59.3	63.8
	Manganese (Mn)-Total (mg/kg wwt)				15.2	16.6

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L1677176-51 Tissue 26-AUG-15 WHALE TAIL LAKE SMALL FISH COMPOSITE #3	L1677176-52 Tissue 26-AUG-15 WHALE TAIL LAKE SMALL FISH COMPOSITE #4	L1677176-53 Tissue 26-AUG-15 WHALE TAIL LAKE SMALL FISH COMPOSITE #5	L1677176-54 Tissue 26-AUG-15 WHALE TAIL LAKE SMALL FISH COMPOSITE #6	L1677176-55 Tissue 26-AUG-15 WHALE TAIL LAKE SMALL FISH COMPOSITE #7
Grouping	Analyte					
TISSUE						
Physical Tests	% Moisture (%)	73.7	73.6	74.1	74.4	74.8
Metals	Aluminum (Al)-Total (mg/kg)	15.2	11.8	9.4	8.6	9.4
	Aluminum (Al)-Total (mg/kg ww)	4.0	3.1	2.4	2.2	2.4
	Antimony (Sb)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010
	Antimony (Sb)-Total (mg/kg ww)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Arsenic (As)-Total (mg/kg)	0.447	0.442	0.398	0.426	0.501
	Arsenic (As)-Total (mg/kg ww)	0.118	0.117	0.103	0.109	0.126
	Barium (Ba)-Total (mg/kg)	13.8	15.8	13.1	18.8	18.3
	Barium (Ba)-Total (mg/kg ww)	3.63	4.18	3.41	4.82	4.60
	Beryllium (Be)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010
	Beryllium (Be)-Total (mg/kg ww)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Bismuth (Bi)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010
	Bismuth (Bi)-Total (mg/kg ww)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Boron (B)-Total (mg/kg)	<1.0	<1.0	<1.0	<1.0	<1.0
	Boron (B)-Total (mg/kg ww)	<0.20	<0.20	<0.20	<0.20	<0.20
	Cadmium (Cd)-Total (mg/kg)	0.293	0.255	0.199	0.228	0.251
	Cadmium (Cd)-Total (mg/kg ww)	0.0771	0.0673	0.0515	0.0584	0.0632
	Calcium (Ca)-Total (mg/kg)	37000	44500	36000	47000	40000
	Calcium (Ca)-Total (mg/kg ww)	9740	11800	9340	12000	10100
	Cesium (Cs)-Total (mg/kg)	0.0238	0.0204	0.0226	0.0198	0.0227
	Cesium (Cs)-Total (mg/kg ww)	0.0063	0.0054	0.0059	0.0051	0.0057
	Chromium (Cr)-Total (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20
	Chromium (Cr)-Total (mg/kg ww)	<0.040	<0.040	<0.040	<0.040	<0.040
	Cobalt (Co)-Total (mg/kg)	0.061	0.056	0.058	0.059	0.064
	Cobalt (Co)-Total (mg/kg ww)	0.0161	0.0148	0.0150	0.0152	0.0161
	Copper (Cu)-Total (mg/kg)	4.77	5.03	4.54	4.67	5.70
	Copper (Cu)-Total (mg/kg ww)	1.25	1.33	1.18	1.19	1.44
	Iron (Fe)-Total (mg/kg)	81.2	83.2	76.1	83.1	84.1
	Iron (Fe)-Total (mg/kg ww)	21.3	22.0	19.7	21.3	21.2
	Lead (Pb)-Total (mg/kg)	0.084	0.060	0.063	0.059	0.060
	Lead (Pb)-Total (mg/kg ww)	0.022	0.016	0.016	0.015	0.015
	Lithium (Li)-Total (mg/kg)	<0.50	<0.50	<0.50	<0.50	<0.50
	Lithium (Li)-Total (mg/kg ww)	<0.10	<0.10	<0.10	<0.10	<0.10
	Magnesium (Mg)-Total (mg/kg)	1600	1600	1510	1720	1560
	Magnesium (Mg)-Total (mg/kg ww)	420	423	392	440	394
	Manganese (Mn)-Total (mg/kg)	42.9	48.1	46.8	64.5	56.8
	Manganese (Mn)-Total (mg/kg ww)	11.3	12.7	12.1	16.5	14.3

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L1677176-56 Tissue 30-AUG-15 MAMMOTH LAKE SMALL FISH COMPOSITE #8	L1677176-57 Tissue 29-AUG-15 MAMMOTH LAKE SMALL FISH COMPOSITE #9	L1677176-58 Tissue 29-AUG-15 MAMMOTH LAKE SMALL FISH COMPOSITE #10	L1677176-59 Tissue 29-AUG-15 MAMMOTH LAKE SMALL FISH COMPOSITE #11	L1677176-60 Tissue 29-AUG-15 MAMMOTH LAKE SMALL FISH COMPOSITE #12
Grouping	Analyte					
TISSUE						
Physical Tests	% Moisture (%)	73.8	73.0	73.6	74.0	73.3
Metals	Aluminum (Al)-Total (mg/kg)	<5.0	11.6	8.4	14.8	12.8
	Aluminum (Al)-Total (mg/kg ww)	<1.0	3.1	2.2	3.8	3.4
	Antimony (Sb)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010
	Antimony (Sb)-Total (mg/kg ww)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Arsenic (As)-Total (mg/kg)	0.483	0.568	0.558	0.602	0.577
	Arsenic (As)-Total (mg/kg ww)	0.127	0.154	0.148	0.156	0.154
	Barium (Ba)-Total (mg/kg)	13.5	10.9	12.2	11.5	14.4
	Barium (Ba)-Total (mg/kg ww)	3.54	2.94	3.21	2.99	3.84
	Beryllium (Be)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010
	Beryllium (Be)-Total (mg/kg ww)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Bismuth (Bi)-Total (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010
	Bismuth (Bi)-Total (mg/kg ww)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Boron (B)-Total (mg/kg)	<1.0	<1.0	<1.0	<1.0	<1.0
	Boron (B)-Total (mg/kg ww)	<0.20	<0.20	<0.20	<0.20	<0.20
	Cadmium (Cd)-Total (mg/kg)	0.121	0.203	0.253	0.309	0.266
	Cadmium (Cd)-Total (mg/kg ww)	0.0316	0.0549	0.0670	0.0803	0.0710
	Calcium (Ca)-Total (mg/kg)	37400	34200	33300	34400	37600
	Calcium (Ca)-Total (mg/kg ww)	9800	9240	8790	8940	10100
	Cesium (Cs)-Total (mg/kg)	0.0519	0.0583	0.0661	0.0620	0.0595
	Cesium (Cs)-Total (mg/kg ww)	0.0136	0.0158	0.0175	0.0161	0.0159
	Chromium (Cr)-Total (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20
	Chromium (Cr)-Total (mg/kg ww)	<0.040	<0.040	<0.040	<0.040	<0.040
	Cobalt (Co)-Total (mg/kg)	0.038	0.075	0.064	0.086	0.087
	Cobalt (Co)-Total (mg/kg ww)	0.0101	0.0204	0.0169	0.0224	0.0234
	Copper (Cu)-Total (mg/kg)	5.77	7.66	3.58	4.70	4.78
	Copper (Cu)-Total (mg/kg ww)	1.51	2.07	0.947	1.22	1.28
	Iron (Fe)-Total (mg/kg)	48.9	74.2	52.8	77.4	77.4
	Iron (Fe)-Total (mg/kg ww)	12.8	20.1	14.0	20.1	20.7
	Lead (Pb)-Total (mg/kg)	<0.050	0.091	0.076	0.069	0.079
	Lead (Pb)-Total (mg/kg ww)	<0.010	0.025	0.020	0.018	0.021
	Lithium (Li)-Total (mg/kg)	<0.50	<0.50	<0.50	<0.50	<0.50
	Lithium (Li)-Total (mg/kg ww)	<0.10	<0.10	<0.10	<0.10	<0.10
	Magnesium (Mg)-Total (mg/kg)	1560	1370	1360	1380	1410
	Magnesium (Mg)-Total (mg/kg ww)	410	370	359	358	378
	Manganese (Mn)-Total (mg/kg)	45.0	55.7	53.4	57.8	47.7
	Manganese (Mn)-Total (mg/kg ww)	11.8	15.1	14.1	15.0	12.7

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID Description Sampled Date Sampled Time Client ID	L1677176-61 Tissue 29-AUG-15 MAMMOTH LAKE SMALL FISH COMPOSITE #13	L1677176-62 Tissue 29-AUG-15 MAMMOTH LAKE SMALL FISH COMPOSITE #14	L1677176-63 Tissue 29-AUG-15 MAMMOTH LAKE SMALL FISH COMPOSITE #15		
Grouping	Analyte						
TISSUE							
Physical Tests	% Moisture (%)		73.2	73.9	74.7		
Metals	Aluminum (Al)-Total (mg/kg)		8.8	15.9	10.2		
	Aluminum (Al)-Total (mg/kg ww)		2.4	4.1	2.6		
	Antimony (Sb)-Total (mg/kg)		<0.010	<0.010	<0.010		
	Antimony (Sb)-Total (mg/kg ww)		<0.0020	<0.0020	<0.0020		
	Arsenic (As)-Total (mg/kg)		0.615	0.654	0.582		
	Arsenic (As)-Total (mg/kg ww)		0.164	0.171	0.147		
	Barium (Ba)-Total (mg/kg)		13.5	15.0	14.4		
	Barium (Ba)-Total (mg/kg ww)		3.61	3.91	3.66		
	Beryllium (Be)-Total (mg/kg)		<0.010	<0.010	<0.010		
	Beryllium (Be)-Total (mg/kg ww)		<0.0020	<0.0020	<0.0020		
	Bismuth (Bi)-Total (mg/kg)		<0.010	<0.010	<0.010		
	Bismuth (Bi)-Total (mg/kg ww)		<0.0020	<0.0020	<0.0020		
	Boron (B)-Total (mg/kg)		<1.0	<1.0	<1.0		
	Boron (B)-Total (mg/kg ww)		<0.20	<0.20	<0.20		
	Cadmium (Cd)-Total (mg/kg)		0.223	0.359	0.207		
	Cadmium (Cd)-Total (mg/kg ww)		0.0597	0.0937	0.0525		
	Calcium (Ca)-Total (mg/kg)		32900	39400	34900		
	Calcium (Ca)-Total (mg/kg ww)		8810	10300	8830		
	Cesium (Cs)-Total (mg/kg)		0.0563	0.0636	0.0624		
	Cesium (Cs)-Total (mg/kg ww)		0.0151	0.0166	0.0158		
	Chromium (Cr)-Total (mg/kg)		<0.20	<0.20	<0.20		
	Chromium (Cr)-Total (mg/kg ww)		<0.040	<0.040	<0.040		
	Cobalt (Co)-Total (mg/kg)		0.081	1.51	0.143		
	Cobalt (Co)-Total (mg/kg ww)		0.0216	0.393	0.0362		
	Copper (Cu)-Total (mg/kg)		5.45	4.80	4.38		
	Copper (Cu)-Total (mg/kg ww)		1.46	1.25	1.11		
	Iron (Fe)-Total (mg/kg)		69.2	83.1	74.6		
	Iron (Fe)-Total (mg/kg ww)		18.5	21.7	18.9		
	Lead (Pb)-Total (mg/kg)		0.088	0.102	0.103		
	Lead (Pb)-Total (mg/kg ww)		0.023	0.027	0.026		
	Lithium (Li)-Total (mg/kg)		<0.50	<0.50	<0.50		
	Lithium (Li)-Total (mg/kg ww)		<0.10	<0.10	<0.10		
	Magnesium (Mg)-Total (mg/kg)		1370	1560	1680		
	Magnesium (Mg)-Total (mg/kg ww)		368	408	426		
	Manganese (Mn)-Total (mg/kg)		55.4	71.3	61.8		
	Manganese (Mn)-Total (mg/kg ww)		14.8	18.6	15.7		

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L1677176-1 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #46	L1677176-2 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #47	L1677176-3 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #48	L1677176-4 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #49	L1677176-5 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #50
Grouping	Analyte					
TISSUE						
Metals	Mercury (Hg)-Total (mg/kg)	3.01	3.84	4.13	4.84	2.20
	Mercury (Hg)-Total (mg/kg wwt)	0.590	0.831	0.863	0.965	0.474
	Molybdenum (Mo)-Total (mg/kg)					
	Molybdenum (Mo)-Total (mg/kg wwt)					
	Nickel (Ni)-Total (mg/kg)					
	Nickel (Ni)-Total (mg/kg wwt)					
	Phosphorus (P)-Total (mg/kg)					
	Phosphorus (P)-Total (mg/kg wwt)					
	Potassium (K)-Total (mg/kg)					
	Potassium (K)-Total (mg/kg wwt)					
	Rubidium (Rb)-Total (mg/kg)					
	Rubidium (Rb)-Total (mg/kg wwt)					
	Selenium (Se)-Total (mg/kg)					
	Selenium (Se)-Total (mg/kg wwt)					
	Sodium (Na)-Total (mg/kg)					
	Sodium (Na)-Total (mg/kg wwt)					
	Strontium (Sr)-Total (mg/kg)					
	Strontium (Sr)-Total (mg/kg wwt)					
	Tellurium (Te)-Total (mg/kg)					
	Tellurium (Te)-Total (mg/kg wwt)					
	Thallium (Tl)-Total (mg/kg)					
	Thallium (Tl)-Total (mg/kg wwt)					
	Tin (Sn)-Total (mg/kg)					
	Tin (Sn)-Total (mg/kg wwt)					
	Uranium (U)-Total (mg/kg)					
	Uranium (U)-Total (mg/kg wwt)					
	Vanadium (V)-Total (mg/kg)					
	Vanadium (V)-Total (mg/kg wwt)					
	Zinc (Zn)-Total (mg/kg)					
	Zinc (Zn)-Total (mg/kg wwt)					
	Zirconium (Zr)-Total (mg/kg)					
	Zirconium (Zr)-Total (mg/kg wwt)					

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID Description Sampled Date Sampled Time Client ID	L1677176-6 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #52	L1677176-7 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #53	L1677176-8 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #54A	L1677176-9 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #54B	L1677176-10 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #56
Grouping	Analyte						
TISSUE							
Metals	Mercury (Hg)-Total (mg/kg)	0.444	1.71	1.33	1.16	1.30	
	Mercury (Hg)-Total (mg/kg wwt)	0.135	0.368	0.331	0.286	0.328	
	Molybdenum (Mo)-Total (mg/kg)						
	Molybdenum (Mo)-Total (mg/kg wwt)						
	Nickel (Ni)-Total (mg/kg)						
	Nickel (Ni)-Total (mg/kg wwt)						
	Phosphorus (P)-Total (mg/kg)						
	Phosphorus (P)-Total (mg/kg wwt)						
	Potassium (K)-Total (mg/kg)						
	Potassium (K)-Total (mg/kg wwt)						
	Rubidium (Rb)-Total (mg/kg)						
	Rubidium (Rb)-Total (mg/kg wwt)						
	Selenium (Se)-Total (mg/kg)						
	Selenium (Se)-Total (mg/kg wwt)						
	Sodium (Na)-Total (mg/kg)						
	Sodium (Na)-Total (mg/kg wwt)						
	Strontium (Sr)-Total (mg/kg)						
	Strontium (Sr)-Total (mg/kg wwt)						
	Tellurium (Te)-Total (mg/kg)						
	Tellurium (Te)-Total (mg/kg wwt)						
	Thallium (Tl)-Total (mg/kg)						
	Thallium (Tl)-Total (mg/kg wwt)						
	Tin (Sn)-Total (mg/kg)						
	Tin (Sn)-Total (mg/kg wwt)						
	Uranium (U)-Total (mg/kg)						
	Uranium (U)-Total (mg/kg wwt)						
	Vanadium (V)-Total (mg/kg)						
	Vanadium (V)-Total (mg/kg wwt)						
	Zinc (Zn)-Total (mg/kg)						
	Zinc (Zn)-Total (mg/kg wwt)						
	Zirconium (Zr)-Total (mg/kg)						
	Zirconium (Zr)-Total (mg/kg wwt)						

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L1677176-11 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #57	L1677176-12 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #58	L1677176-13 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #59	L1677176-14 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #60	L1677176-15 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #61
Grouping	Analyte					
TISSUE						
Metals	Mercury (Hg)-Total (mg/kg)	1.03	1.49	0.727	2.13	9.52
	Mercury (Hg)-Total (mg/kg ww)	0.281	0.370	0.175	0.453	2.19
	Molybdenum (Mo)-Total (mg/kg)			<0.020		<0.020
	Molybdenum (Mo)-Total (mg/kg ww)			<0.0040		<0.0040
	Nickel (Ni)-Total (mg/kg)			<0.20		<0.20
	Nickel (Ni)-Total (mg/kg ww)			<0.040		<0.040
	Phosphorus (P)-Total (mg/kg)			10500		10600
	Phosphorus (P)-Total (mg/kg ww)			2520		2450
	Potassium (K)-Total (mg/kg)			16700		17500
	Potassium (K)-Total (mg/kg ww)			4020		4030
	Rubidium (Rb)-Total (mg/kg)			12.1		19.1
	Rubidium (Rb)-Total (mg/kg ww)			2.91		4.40
	Selenium (Se)-Total (mg/kg)			1.16		2.14
	Selenium (Se)-Total (mg/kg ww)			0.279		0.494
	Sodium (Na)-Total (mg/kg)			603		1280
	Sodium (Na)-Total (mg/kg ww)			145		294
	Strontium (Sr)-Total (mg/kg)			0.594		0.245
	Strontium (Sr)-Total (mg/kg ww)			0.143		0.056
	Tellurium (Te)-Total (mg/kg)			<0.020		<0.020
	Tellurium (Te)-Total (mg/kg ww)			<0.0040		<0.0040
	Thallium (Tl)-Total (mg/kg)			0.0149		0.0215
	Thallium (Tl)-Total (mg/kg ww)			0.00359		0.00495
	Tin (Sn)-Total (mg/kg)			<0.10		<0.10
	Tin (Sn)-Total (mg/kg ww)			0.023		<0.020
	Uranium (U)-Total (mg/kg)			<0.0020		<0.0020
	Uranium (U)-Total (mg/kg ww)			<0.00040		<0.00040
	Vanadium (V)-Total (mg/kg)			<0.10		<0.10
	Vanadium (V)-Total (mg/kg ww)			<0.020		<0.020
	Zinc (Zn)-Total (mg/kg)			12.4		13.8
	Zinc (Zn)-Total (mg/kg ww)			2.98		3.19
	Zirconium (Zr)-Total (mg/kg)			<0.20		<0.20
	Zirconium (Zr)-Total (mg/kg ww)			<0.040		<0.040

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L1677176-16 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #62	L1677176-17 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #63	L1677176-18 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #64	L1677176-19 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #65	L1677176-20 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #66
Grouping	Analyte					
TISSUE						
Metals	Mercury (Hg)-Total (mg/kg)	3.52	2.12	1.36	1.26	0.614
	Mercury (Hg)-Total (mg/kg ww)	0.798	0.486	0.292	0.306	0.138
	Molybdenum (Mo)-Total (mg/kg)	<0.020	<0.020	<0.020	<0.020	<0.020
	Molybdenum (Mo)-Total (mg/kg ww)	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
	Nickel (Ni)-Total (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20
	Nickel (Ni)-Total (mg/kg ww)	<0.040	<0.040	<0.040	<0.040	<0.040
	Phosphorus (P)-Total (mg/kg)	11800	10600	8460	10400	11100
	Phosphorus (P)-Total (mg/kg ww)	2680	2430	1810	2520	2490
	Potassium (K)-Total (mg/kg)	19300	17900	13900	17300	18000
	Potassium (K)-Total (mg/kg ww)	4370	4100	2980	4210	4050
	Rubidium (Rb)-Total (mg/kg)	27.2	19.5	9.74	22.5	17.5
	Rubidium (Rb)-Total (mg/kg ww)	6.16	4.48	2.09	5.48	3.92
	Selenium (Se)-Total (mg/kg)	1.58	2.26	1.18	1.44	1.41
	Selenium (Se)-Total (mg/kg ww)	0.358	0.519	0.252	0.350	0.317
	Sodium (Na)-Total (mg/kg)	1130	866	545	741	704
	Sodium (Na)-Total (mg/kg ww)	256	199	117	180	158
	Strontium (Sr)-Total (mg/kg)	0.265	0.368	0.180	0.543	0.836
	Strontium (Sr)-Total (mg/kg ww)	0.060	0.084	0.038	0.132	0.188
	Tellurium (Te)-Total (mg/kg)	<0.020	<0.020	<0.020	<0.020	<0.020
	Tellurium (Te)-Total (mg/kg ww)	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
	Thallium (Tl)-Total (mg/kg)	0.0246	0.0152	0.0176	0.0191	0.0287
	Thallium (Tl)-Total (mg/kg ww)	0.00557	0.00349	0.00378	0.00464	0.00645
	Tin (Sn)-Total (mg/kg)	<0.10	<0.10	0.10	<0.10	0.15
	Tin (Sn)-Total (mg/kg ww)	<0.020	<0.020	0.022	<0.020	0.034
	Uranium (U)-Total (mg/kg)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Uranium (U)-Total (mg/kg ww)	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040
	Vanadium (V)-Total (mg/kg)	<0.10	<0.10	<0.10	<0.10	<0.10
	Vanadium (V)-Total (mg/kg ww)	<0.020	<0.020	<0.020	<0.020	<0.020
	Zinc (Zn)-Total (mg/kg)	14.4	12.5	9.93	12.8	16.1
	Zinc (Zn)-Total (mg/kg ww)	3.26	2.87	2.13	3.11	3.61
	Zirconium (Zr)-Total (mg/kg)	<0.20	<0.20	<0.20	<0.20	0.26
	Zirconium (Zr)-Total (mg/kg ww)	<0.040	<0.040	<0.040	<0.040	0.058

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L1677176-21 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #68	L1677176-22 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #69	L1677176-23 Tissue 18-AUG-15 WHALE TAIL LAKE LAKE TROUT #70	L1677176-24 Tissue 25-AUG-15 MAMMOTH LAKE LAKE TROUT #97	L1677176-25 Tissue 25-AUG-15 MAMMOTH LAKE LAKE TROUT #98
Grouping	Analyte					
TISSUE						
Metals	Mercury (Hg)-Total (mg/kg)	0.711	0.334	1.29	0.902	0.625
	Mercury (Hg)-Total (mg/kg ww)	0.158	0.0771	0.318	0.227	0.156
	Molybdenum (Mo)-Total (mg/kg)	<0.020	<0.040	<0.020	<0.020	<0.020
	Molybdenum (Mo)-Total (mg/kg ww)	<0.0040	<0.0080	<0.0040	<0.0040	<0.0040
	Nickel (Ni)-Total (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20
	Nickel (Ni)-Total (mg/kg ww)	<0.040	<0.040	<0.040	<0.040	<0.040
	Phosphorus (P)-Total (mg/kg)	11300	8620	9110	9460	10600
	Phosphorus (P)-Total (mg/kg ww)	2510	1990	2250	2380	2640
	Potassium (K)-Total (mg/kg)	18200	16600	14600	15300	17200
	Potassium (K)-Total (mg/kg ww)	4040	3830	3610	3860	4280
	Rubidium (Rb)-Total (mg/kg)	16.9	13.0	11.4	12.1	13.3
	Rubidium (Rb)-Total (mg/kg ww)	3.75	3.01	2.82	3.06	3.31
	Selenium (Se)-Total (mg/kg)	1.25	1.58	0.981	1.03	1.24
	Selenium (Se)-Total (mg/kg ww)	0.278	0.365	0.243	0.259	0.310
	Sodium (Na)-Total (mg/kg)	696	2770	831	896	822
	Sodium (Na)-Total (mg/kg ww)	155	639	206	226	205
	Strontium (Sr)-Total (mg/kg)	0.999	4.30	0.728	0.448	0.490
	Strontium (Sr)-Total (mg/kg ww)	0.222	0.992	0.180	0.113	0.122
	Tellurium (Te)-Total (mg/kg)	<0.020	<0.020	<0.020	<0.020	<0.020
	Tellurium (Te)-Total (mg/kg ww)	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
	Thallium (Tl)-Total (mg/kg)	0.0177	0.0126	0.0151	0.0203	0.0137
	Thallium (Tl)-Total (mg/kg ww)	0.00393	0.00292	0.00372	0.00512	0.00341
	Tin (Sn)-Total (mg/kg)	0.16	<0.10	0.13	0.11	0.11
	Tin (Sn)-Total (mg/kg ww)	0.035	<0.020	0.031	0.027	0.028
	Uranium (U)-Total (mg/kg)	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
	Uranium (U)-Total (mg/kg ww)	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040
	Vanadium (V)-Total (mg/kg)	<0.10	<0.10	<0.10	<0.10	<0.10
	Vanadium (V)-Total (mg/kg ww)	<0.020	<0.020	<0.020	<0.020	<0.020
	Zinc (Zn)-Total (mg/kg)	14.8	46.0	9.77	15.3	12.5
	Zinc (Zn)-Total (mg/kg ww)	3.28	10.6	2.42	3.86	3.10
	Zirconium (Zr)-Total (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20
	Zirconium (Zr)-Total (mg/kg ww)	<0.040	<0.040	<0.040	<0.040	<0.040

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L1677176-26 Tissue 25-AUG-15 MAMMOTH LAKE LAKE TROUT #99	L1677176-27 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #100	L1677176-28 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #101	L1677176-29 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #102	L1677176-30 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #103
Grouping	Analyte					
TISSUE						
Metals	Mercury (Hg)-Total (mg/kg)	0.655	0.504	0.566	0.578	0.739
	Mercury (Hg)-Total (mg/kg ww)	0.157	0.127	0.136	0.138	0.180
	Molybdenum (Mo)-Total (mg/kg)	<0.020	<0.020	<0.020	<0.020	<0.020
	Molybdenum (Mo)-Total (mg/kg ww)	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
	Nickel (Ni)-Total (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20
	Nickel (Ni)-Total (mg/kg ww)	<0.040	<0.040	<0.040	<0.040	<0.040
	Phosphorus (P)-Total (mg/kg)	12300	10900	10700	11400	11300
	Phosphorus (P)-Total (mg/kg ww)	2940	2740	2570	2720	2750
	Potassium (K)-Total (mg/kg)	20300	16200	17000	17800	18400
	Potassium (K)-Total (mg/kg ww)	4880	4090	4080	4250	4470
	Rubidium (Rb)-Total (mg/kg)	19.4	12.4	15.0	14.6	21.4
	Rubidium (Rb)-Total (mg/kg ww)	4.66	3.12	3.61	3.49	5.20
	Selenium (Se)-Total (mg/kg)	1.62	1.31	1.22	1.42	1.57
	Selenium (Se)-Total (mg/kg ww)	0.388	0.330	0.293	0.339	0.380
	Sodium (Na)-Total (mg/kg)	884	922	664	656	1020
	Sodium (Na)-Total (mg/kg ww)	212	232	160	157	249
	Strontium (Sr)-Total (mg/kg)	0.944	1.27	0.298	1.72	0.396
	Strontium (Sr)-Total (mg/kg ww)	0.227	0.321	0.072	0.411	0.096
	Tellurium (Te)-Total (mg/kg)	<0.020	<0.020	<0.020	<0.020	<0.020
	Tellurium (Te)-Total (mg/kg ww)	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
	Thallium (Tl)-Total (mg/kg)	0.0257	0.0123	0.0155	0.0253	0.0184
	Thallium (Tl)-Total (mg/kg ww)	0.00617	0.00309	0.00373	0.00604	0.00448
	Tin (Sn)-Total (mg/kg)	0.12	0.10	0.14	0.18	0.11
	Tin (Sn)-Total (mg/kg ww)	0.028	0.025	0.033	0.043	0.026
	Uranium (U)-Total (mg/kg)	<0.0020	<0.0020	<0.0020	0.0026	<0.0020
	Uranium (U)-Total (mg/kg ww)	<0.00040	<0.00040	<0.00040	0.00063	<0.00040
	Vanadium (V)-Total (mg/kg)	<0.10	<0.10	<0.10	<0.10	<0.10
	Vanadium (V)-Total (mg/kg ww)	<0.020	<0.020	<0.020	<0.020	<0.020
	Zinc (Zn)-Total (mg/kg)	12.1	13.1	13.6	14.6	13.3
	Zinc (Zn)-Total (mg/kg ww)	2.90	3.30	3.28	3.49	3.23
	Zirconium (Zr)-Total (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20
	Zirconium (Zr)-Total (mg/kg ww)	<0.040	<0.040	<0.040	<0.040	<0.040

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L1677176-31 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #105	L1677176-32 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #106	L1677176-33 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #108	L1677176-34 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #110	L1677176-35 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #111
Grouping	Analyte					
TISSUE						
Metals	Mercury (Hg)-Total (mg/kg)	0.700	1.34	0.531	0.602	0.785
	Mercury (Hg)-Total (mg/kg ww)	0.172	0.268	0.120	0.156	0.189
	Molybdenum (Mo)-Total (mg/kg)	<0.020	<0.020	<0.020		
	Molybdenum (Mo)-Total (mg/kg ww)	<0.0040	<0.0040	<0.0040		
	Nickel (Ni)-Total (mg/kg)	<0.20	<0.20	<0.20		
	Nickel (Ni)-Total (mg/kg ww)	<0.040	<0.040	<0.040		
	Phosphorus (P)-Total (mg/kg)	10400	11500	12000		
	Phosphorus (P)-Total (mg/kg ww)	2560	2300	2720		
	Potassium (K)-Total (mg/kg)	17100	18700	20000		
	Potassium (K)-Total (mg/kg ww)	4200	3730	4520		
	Rubidium (Rb)-Total (mg/kg)	12.8	13.2	13.7		
	Rubidium (Rb)-Total (mg/kg ww)	3.15	2.63	3.09		
	Selenium (Se)-Total (mg/kg)	1.49	1.29	1.26		
	Selenium (Se)-Total (mg/kg ww)	0.365	0.258	0.286		
	Sodium (Na)-Total (mg/kg)	759	742	614		
	Sodium (Na)-Total (mg/kg ww)	187	148	139		
	Strontium (Sr)-Total (mg/kg)	0.328	0.610	0.702		
	Strontium (Sr)-Total (mg/kg ww)	0.081	0.122	0.159		
	Tellurium (Te)-Total (mg/kg)	<0.020	<0.020	<0.020		
	Tellurium (Te)-Total (mg/kg ww)	<0.0040	<0.0040	<0.0040		
	Thallium (Tl)-Total (mg/kg)	0.0167	0.0156	0.0184		
	Thallium (Tl)-Total (mg/kg ww)	0.00411	0.00312	0.00417		
	Tin (Sn)-Total (mg/kg)	0.11	0.20	0.16		
	Tin (Sn)-Total (mg/kg ww)	0.028	0.039	0.035		
	Uranium (U)-Total (mg/kg)	<0.0020	<0.0020	<0.0020		
	Uranium (U)-Total (mg/kg ww)	<0.00040	<0.00040	<0.00040		
	Vanadium (V)-Total (mg/kg)	<0.10	<0.10	<0.10		
	Vanadium (V)-Total (mg/kg ww)	<0.020	<0.020	<0.020		
	Zinc (Zn)-Total (mg/kg)	12.3	13.6	13.2		
	Zinc (Zn)-Total (mg/kg ww)	3.01	2.72	2.99		
	Zirconium (Zr)-Total (mg/kg)	<0.20	<0.20	<0.20		
	Zirconium (Zr)-Total (mg/kg ww)	<0.040	<0.040	<0.040		

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L1677176-36 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #112	L1677176-37 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #114	L1677176-38 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #115	L1677176-39 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #116	L1677176-40 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #117
Grouping	Analyte					
TISSUE						
Metals	Mercury (Hg)-Total (mg/kg)	0.693	2.91	0.572	0.811	0.845
	Mercury (Hg)-Total (mg/kg wwt)	0.175	0.583	0.130	0.187	0.215
	Molybdenum (Mo)-Total (mg/kg)					
	Molybdenum (Mo)-Total (mg/kg wwt)					
	Nickel (Ni)-Total (mg/kg)					
	Nickel (Ni)-Total (mg/kg wwt)					
	Phosphorus (P)-Total (mg/kg)					
	Phosphorus (P)-Total (mg/kg wwt)					
	Potassium (K)-Total (mg/kg)					
	Potassium (K)-Total (mg/kg wwt)					
	Rubidium (Rb)-Total (mg/kg)					
	Rubidium (Rb)-Total (mg/kg wwt)					
	Selenium (Se)-Total (mg/kg)					
	Selenium (Se)-Total (mg/kg wwt)					
	Sodium (Na)-Total (mg/kg)					
	Sodium (Na)-Total (mg/kg wwt)					
	Strontium (Sr)-Total (mg/kg)					
	Strontium (Sr)-Total (mg/kg wwt)					
	Tellurium (Te)-Total (mg/kg)					
	Tellurium (Te)-Total (mg/kg wwt)					
	Thallium (Tl)-Total (mg/kg)					
	Thallium (Tl)-Total (mg/kg wwt)					
	Tin (Sn)-Total (mg/kg)					
	Tin (Sn)-Total (mg/kg wwt)					
	Uranium (U)-Total (mg/kg)					
	Uranium (U)-Total (mg/kg wwt)					
	Vanadium (V)-Total (mg/kg)					
	Vanadium (V)-Total (mg/kg wwt)					
	Zinc (Zn)-Total (mg/kg)					
	Zinc (Zn)-Total (mg/kg wwt)					
	Zirconium (Zr)-Total (mg/kg)					
	Zirconium (Zr)-Total (mg/kg wwt)					

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID Description Sampled Date Sampled Time Client ID	L1677176-41 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #118	L1677176-42 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #119	L1677176-43 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #120	L1677176-44 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #121	L1677176-45 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #122
Grouping	Analyte						
TISSUE							
Metals	Mercury (Hg)-Total (mg/kg)	0.986	0.523	0.492	0.531	0.325	
	Mercury (Hg)-Total (mg/kg wwt)	0.219	0.129	0.122	0.135	0.0777	
	Molybdenum (Mo)-Total (mg/kg)						
	Molybdenum (Mo)-Total (mg/kg wwt)						
	Nickel (Ni)-Total (mg/kg)						
	Nickel (Ni)-Total (mg/kg wwt)						
	Phosphorus (P)-Total (mg/kg)						
	Phosphorus (P)-Total (mg/kg wwt)						
	Potassium (K)-Total (mg/kg)						
	Potassium (K)-Total (mg/kg wwt)						
	Rubidium (Rb)-Total (mg/kg)						
	Rubidium (Rb)-Total (mg/kg wwt)						
	Selenium (Se)-Total (mg/kg)						
	Selenium (Se)-Total (mg/kg wwt)						
	Sodium (Na)-Total (mg/kg)						
	Sodium (Na)-Total (mg/kg wwt)						
	Strontium (Sr)-Total (mg/kg)						
	Strontium (Sr)-Total (mg/kg wwt)						
	Tellurium (Te)-Total (mg/kg)						
	Tellurium (Te)-Total (mg/kg wwt)						
	Thallium (Tl)-Total (mg/kg)						
	Thallium (Tl)-Total (mg/kg wwt)						
	Tin (Sn)-Total (mg/kg)						
	Tin (Sn)-Total (mg/kg wwt)						
	Uranium (U)-Total (mg/kg)						
	Uranium (U)-Total (mg/kg wwt)						
	Vanadium (V)-Total (mg/kg)						
	Vanadium (V)-Total (mg/kg wwt)						
	Zinc (Zn)-Total (mg/kg)						
	Zinc (Zn)-Total (mg/kg wwt)						
	Zirconium (Zr)-Total (mg/kg)						
	Zirconium (Zr)-Total (mg/kg wwt)						

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L1677176-46 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #123	L1677176-47 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #124	L1677176-48 Tissue 26-AUG-15 MAMMOTH LAKE LAKE TROUT #126	L1677176-49 Tissue 26-AUG-15 WHALE TAIL LAKE SMALL FISH COMPOSITE #1	L1677176-50 Tissue 26-AUG-15 WHALE TAIL LAKE SMALL FISH COMPOSITE #2
Grouping	Analyte					
TISSUE						
Metals	Mercury (Hg)-Total (mg/kg)	0.340	4.99	0.329	0.252	0.270
	Mercury (Hg)-Total (mg/kg wwt)	0.0747	1.07	0.0722	0.0645	0.0701
	Molybdenum (Mo)-Total (mg/kg)				0.129	0.128
	Molybdenum (Mo)-Total (mg/kg wwt)				0.0329	0.0332
	Nickel (Ni)-Total (mg/kg)				0.22	<0.20
	Nickel (Ni)-Total (mg/kg wwt)				0.057	0.042
	Phosphorus (P)-Total (mg/kg)				33800	28000
	Phosphorus (P)-Total (mg/kg wwt)				8660	7270
	Potassium (K)-Total (mg/kg)				10500	9820
	Potassium (K)-Total (mg/kg wwt)				2690	2550
	Rubidium (Rb)-Total (mg/kg)				17.4	14.2
	Rubidium (Rb)-Total (mg/kg wwt)				4.44	3.70
	Selenium (Se)-Total (mg/kg)				1.64	1.86
	Selenium (Se)-Total (mg/kg wwt)				0.419	0.484
	Sodium (Na)-Total (mg/kg)				4470	4080
	Sodium (Na)-Total (mg/kg wwt)				1140	1060
	Strontium (Sr)-Total (mg/kg)				68.1	59.1
	Strontium (Sr)-Total (mg/kg wwt)				17.4	15.3
	Tellurium (Te)-Total (mg/kg)				<0.020	<0.020
	Tellurium (Te)-Total (mg/kg wwt)				<0.0040	<0.0040
	Thallium (Tl)-Total (mg/kg)				0.0101	0.0101
	Thallium (Tl)-Total (mg/kg wwt)				0.00259	0.00262
	Tin (Sn)-Total (mg/kg)				0.11	0.14
	Tin (Sn)-Total (mg/kg wwt)				0.028	0.036
	Uranium (U)-Total (mg/kg)				0.0300	0.0361
	Uranium (U)-Total (mg/kg wwt)				0.00768	0.00938
	Vanadium (V)-Total (mg/kg)				<0.10	<0.10
	Vanadium (V)-Total (mg/kg wwt)				<0.020	<0.020
	Zinc (Zn)-Total (mg/kg)				173	151
	Zinc (Zn)-Total (mg/kg wwt)				44.4	39.2
	Zirconium (Zr)-Total (mg/kg)				<0.20	<0.20
	Zirconium (Zr)-Total (mg/kg wwt)				<0.040	<0.040

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L1677176-51 Tissue 26-AUG-15 WHALE TAIL LAKE SMALL FISH COMPOSITE #3	L1677176-52 Tissue 26-AUG-15 WHALE TAIL LAKE SMALL FISH COMPOSITE #4	L1677176-53 Tissue 26-AUG-15 WHALE TAIL LAKE SMALL FISH COMPOSITE #5	L1677176-54 Tissue 26-AUG-15 WHALE TAIL LAKE SMALL FISH COMPOSITE #6	L1677176-55 Tissue 26-AUG-15 WHALE TAIL LAKE SMALL FISH COMPOSITE #7
Grouping	Analyte					
TISSUE						
Metals	Mercury (Hg)-Total (mg/kg)	0.212	0.300	0.209	0.218	0.255
	Mercury (Hg)-Total (mg/kg ww)	0.0557	0.0794	0.0543	0.0559	0.0643
	Molybdenum (Mo)-Total (mg/kg)	0.125	0.120	0.114	0.131	0.117
	Molybdenum (Mo)-Total (mg/kg ww)	0.0330	0.0317	0.0296	0.0335	0.0295
	Nickel (Ni)-Total (mg/kg)	0.24	0.24	0.29	0.20	0.21
	Nickel (Ni)-Total (mg/kg ww)	0.063	0.064	0.075	0.052	0.053
	Phosphorus (P)-Total (mg/kg)	27100	30000	26400	32100	28600
	Phosphorus (P)-Total (mg/kg ww)	7130	7930	6850	8220	7200
	Potassium (K)-Total (mg/kg)	9790	10100	9550	11200	10100
	Potassium (K)-Total (mg/kg ww)	2570	2660	2480	2870	2550
	Rubidium (Rb)-Total (mg/kg)	13.9	11.4	12.1	13.1	12.2
	Rubidium (Rb)-Total (mg/kg ww)	3.66	3.01	3.14	3.34	3.08
	Selenium (Se)-Total (mg/kg)	1.60	1.64	1.50	1.63	1.38
	Selenium (Se)-Total (mg/kg ww)	0.420	0.433	0.390	0.417	0.348
	Sodium (Na)-Total (mg/kg)	3740	3790	3490	4280	4000
	Sodium (Na)-Total (mg/kg ww)	982	1000	906	1090	1010
	Strontium (Sr)-Total (mg/kg)	55.2	59.7	51.4	65.2	56.3
	Strontium (Sr)-Total (mg/kg ww)	14.5	15.8	13.3	16.7	14.2
	Tellurium (Te)-Total (mg/kg)	<0.020	<0.020	<0.020	<0.020	<0.020
	Tellurium (Te)-Total (mg/kg ww)	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
	Thallium (Tl)-Total (mg/kg)	0.0110	0.0102	0.0128	0.0125	0.0115
	Thallium (Tl)-Total (mg/kg ww)	0.00288	0.00269	0.00332	0.00320	0.00291
	Tin (Sn)-Total (mg/kg)	0.25	0.29	0.32	0.25	0.30
	Tin (Sn)-Total (mg/kg ww)	0.067	0.076	0.082	0.063	0.075
	Uranium (U)-Total (mg/kg)	0.0299	0.0544	0.0414	0.0652	0.0384
	Uranium (U)-Total (mg/kg ww)	0.00787	0.0144	0.0108	0.0167	0.00966
	Vanadium (V)-Total (mg/kg)	<0.10	<0.10	<0.10	<0.10	<0.10
	Vanadium (V)-Total (mg/kg ww)	<0.020	<0.020	<0.020	<0.020	<0.020
	Zinc (Zn)-Total (mg/kg)	146	167	153	180	161
	Zinc (Zn)-Total (mg/kg ww)	38.5	44.0	39.7	46.1	40.6
	Zirconium (Zr)-Total (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20
	Zirconium (Zr)-Total (mg/kg ww)	<0.040	<0.040	<0.040	<0.040	<0.040

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID Description Sampled Date Sampled Time Client ID		L1677176-56 Tissue 30-AUG-15 MAMMOTH LAKE SMALL FISH COMPOSITE #8	L1677176-57 Tissue 29-AUG-15 MAMMOTH LAKE SMALL FISH COMPOSITE #9	L1677176-58 Tissue 29-AUG-15 MAMMOTH LAKE SMALL FISH COMPOSITE #10	L1677176-59 Tissue 29-AUG-15 MAMMOTH LAKE SMALL FISH COMPOSITE #11	L1677176-60 Tissue 29-AUG-15 MAMMOTH LAKE SMALL FISH COMPOSITE #12
Grouping	Analyte					
TISSUE						
Metals	Mercury (Hg)-Total (mg/kg)	0.307	0.196	0.206	0.189	0.155
	Mercury (Hg)-Total (mg/kg ww)	0.0805	0.0531	0.0544	0.0490	0.0414
	Molybdenum (Mo)-Total (mg/kg)	0.098	0.111	0.118	0.112	0.118
	Molybdenum (Mo)-Total (mg/kg ww)	0.0256	0.0301	0.0313	0.0292	0.0314
	Nickel (Ni)-Total (mg/kg)	<0.20	0.29	0.28	0.38	0.32
	Nickel (Ni)-Total (mg/kg ww)	<0.040	0.077	0.075	0.099	0.085
	Phosphorus (P)-Total (mg/kg)	24000	26700	24200	24000	25900
	Phosphorus (P)-Total (mg/kg ww)	6290	7230	6390	6230	6930
	Potassium (K)-Total (mg/kg)	9300	8760	9100	10700	9200
	Potassium (K)-Total (mg/kg ww)	2440	2370	2410	2780	2460
	Rubidium (Rb)-Total (mg/kg)	15.2	12.4	13.6	13.9	13.1
	Rubidium (Rb)-Total (mg/kg ww)	3.97	3.36	3.59	3.62	3.49
	Selenium (Se)-Total (mg/kg)	1.61	1.48	1.61	1.66	1.54
	Selenium (Se)-Total (mg/kg ww)	0.423	0.400	0.425	0.431	0.413
	Sodium (Na)-Total (mg/kg)	3720	3360	3800	4270	3770
	Sodium (Na)-Total (mg/kg ww)	975	908	1000	1110	1010
	Strontium (Sr)-Total (mg/kg)	45.7	45.7	41.6	43.1	51.3
	Strontium (Sr)-Total (mg/kg ww)	12.0	12.4	11.0	11.2	13.7
	Tellurium (Te)-Total (mg/kg)	<0.020	<0.020	<0.020	<0.020	<0.020
	Tellurium (Te)-Total (mg/kg ww)	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
	Thallium (Tl)-Total (mg/kg)	0.0094	0.0115	0.0130	0.0137	0.0141
	Thallium (Tl)-Total (mg/kg ww)	0.00246	0.00310	0.00343	0.00355	0.00377
	Tin (Sn)-Total (mg/kg)	0.11	0.17	0.14	0.14	0.10
	Tin (Sn)-Total (mg/kg ww)	0.028	0.047	0.036	0.035	0.027
	Uranium (U)-Total (mg/kg)	0.0222	0.0247	0.0232	0.0268	0.0270
	Uranium (U)-Total (mg/kg ww)	0.00583	0.00667	0.00613	0.00697	0.00720
	Vanadium (V)-Total (mg/kg)	<0.10	<0.10	<0.10	<0.10	<0.10
	Vanadium (V)-Total (mg/kg ww)	<0.020	<0.020	<0.020	<0.020	<0.020
	Zinc (Zn)-Total (mg/kg)	154	157	120	140	133
	Zinc (Zn)-Total (mg/kg ww)	40.3	42.5	31.8	36.4	35.6
	Zirconium (Zr)-Total (mg/kg)	<0.20	<0.20	<0.20	<0.20	<0.20
	Zirconium (Zr)-Total (mg/kg ww)	<0.040	<0.040	<0.040	<0.040	<0.040

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

ALS ENVIRONMENTAL ANALYTICAL REPORT

		Sample ID Description Sampled Date Sampled Time Client ID	L1677176-61 Tissue 29-AUG-15 MAMMOTH LAKE SMALL FISH COMPOSITE #13	L1677176-62 Tissue 29-AUG-15 MAMMOTH LAKE SMALL FISH COMPOSITE #14	L1677176-63 Tissue 29-AUG-15 MAMMOTH LAKE SMALL FISH COMPOSITE #15		
Grouping	Analyte						
TISSUE							
Metals	Mercury (Hg)-Total (mg/kg)	0.192	0.193	0.205			
	Mercury (Hg)-Total (mg/kg ww)	0.0513	0.0503	0.0520			
	Molybdenum (Mo)-Total (mg/kg)	0.115	0.130	0.154			
	Molybdenum (Mo)-Total (mg/kg ww)	0.0308	0.0338	0.0390			
	Nickel (Ni)-Total (mg/kg)	0.27	0.38	0.52			
	Nickel (Ni)-Total (mg/kg ww)	0.073	0.100	0.132			
	Phosphorus (P)-Total (mg/kg)	24600	27600	26700			
	Phosphorus (P)-Total (mg/kg ww)	6570	7200	6770			
	Potassium (K)-Total (mg/kg)	9480	9440	11200			
	Potassium (K)-Total (mg/kg ww)	2540	2460	2840			
	Rubidium (Rb)-Total (mg/kg)	12.3	13.9	14.3			
	Rubidium (Rb)-Total (mg/kg ww)	3.29	3.63	3.62			
	Selenium (Se)-Total (mg/kg)	1.59	1.79	1.51			
	Selenium (Se)-Total (mg/kg ww)	0.427	0.467	0.382			
	Sodium (Na)-Total (mg/kg)	3540	3890	4140			
	Sodium (Na)-Total (mg/kg ww)	946	1010	1050			
	Strontium (Sr)-Total (mg/kg)	45.8	49.3	43.6			
	Strontium (Sr)-Total (mg/kg ww)	12.3	12.9	11.1			
	Tellurium (Te)-Total (mg/kg)	<0.020	<0.020	<0.020			
	Tellurium (Te)-Total (mg/kg ww)	<0.0040	<0.0040	<0.0040			
	Thallium (Tl)-Total (mg/kg)	0.0128	0.0168	0.0146			
	Thallium (Tl)-Total (mg/kg ww)	0.00343	0.00438	0.00370			
	Tin (Sn)-Total (mg/kg)	0.19	0.76	0.17			
	Tin (Sn)-Total (mg/kg ww)	0.051	0.199	0.042			
	Uranium (U)-Total (mg/kg)	0.0229	0.0417	0.0357			
	Uranium (U)-Total (mg/kg ww)	0.00612	0.0109	0.00905			
	Vanadium (V)-Total (mg/kg)	<0.10	<0.10	<0.10			
	Vanadium (V)-Total (mg/kg ww)	<0.020	<0.020	<0.020			
	Zinc (Zn)-Total (mg/kg)	139	155	154			
	Zinc (Zn)-Total (mg/kg ww)	37.1	40.5	39.1			
	Zirconium (Zr)-Total (mg/kg)	<0.20	<0.20	<0.20			
	Zirconium (Zr)-Total (mg/kg ww)	<0.040	<0.040	<0.040			

* Please refer to the Reference Information section for an explanation of any qualifiers detected.

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Duplicate	Copper (Cu)-Total	DUP-H	L1677176-22, -49, -50, -51, -52, -53, -54, -55, -56, -57, -58, -59, -60, -61, -62, -63
Duplicate	Copper (Cu)-Total	DUP-H	L1677176-22, -49, -50, -51, -52, -53, -54, -55, -56, -57, -58, -59, -60, -61, -62, -63

Qualifiers for Individual Parameters Listed:

Qualifier	Description
DUP-H	Duplicate results outside ALS DQO, due to sample heterogeneity.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
HG-DRY-CVAFS-N-VA	Tissue	Mercury in Tissue by CVAFS (DRY)	EPA 200.3, EPA 245.7
This method is conducted following British Columbia Lab Manual method "Metals in Animal Tissue and Vegetation (Biota) - Prescriptive". Tissue samples are homogenized and sub-sampled prior to hotblock digestion with nitric and hydrochloric acids, in combination with addition of hydrogen peroxide. Analysis is by atomic fluorescence spectrophotometry or atomic absorption spectrophotometry, adapted from US EPA Method 245.7.			
HG-DRY-MICR-CVAF-VA	Tissue	Mercury in Tissue by CVAFS Micro (DRY)	EPA 200.3, EPA 245.7
This method is adapted from US EPA Method 200.3 "Sample Procedures for Spectrochemical Determination of Total Recoverable Elements in Biological Tissues" (1996). Tissue samples are homogenized and sub-sampled prior to hotblock digestion with nitric and hydrochloric acids, in combination with repeated additions of hydrogen peroxide. Analysis is by atomic fluorescence spectrophotometry or atomic absorption spectrophotometry, adapted from US EPA Method 245.7.			
HG-WET-CVAFS-N-VA	Tissue	Mercury in Tissue by CVAFS (WET)	EPA 200.3, EPA 245.7
This method is conducted following British Columbia Lab Manual method "Metals in Animal Tissue and Vegetation (Biota) - Prescriptive". Tissue samples are homogenized and sub-sampled prior to hotblock digestion with nitric and hydrochloric acids, in combination with addition of hydrogen peroxide. Analysis is by atomic fluorescence spectrophotometry or atomic absorption spectrophotometry, adapted from US EPA Method 245.7.			
HG-WET-MICR-CVAF-VA	Tissue	Mercury in Tissue by CVAFS Micro (WET)	EPA 200.3, EPA 245.7
This method is adapted from US EPA Method 200.3 "Sample Procedures for Spectrochemical Determination of Total Recoverable Elements in Biological Tissues" (1996). Tissue samples are homogenized and sub-sampled prior to hotblock digestion with nitric and hydrochloric acids, in combination with repeated additions of hydrogen peroxide. Analysis is by atomic fluorescence spectrophotometry or atomic absorption spectrophotometry, adapted from US EPA Method 245.7.			
MET-DRY-CCMS-N-VA	Tissue	Metals in Tissue by CRC ICPMS (DRY)	EPA 200.3/6020A
This method is conducted following British Columbia Lab Manual method "Metals in Animal Tissue and Vegetation (Biota) - Prescriptive". Tissue samples are homogenized and sub-sampled prior to hotblock digestion with nitric and hydrochloric acids, in combination with addition of hydrogen peroxide. Instrumental analysis is by collision cell inductively coupled plasma - mass spectrometry (modified from EPA Method 6020A).			
Method Limitation: This method employs a strong acid/peroxide digestion, and is intended to provide a conservative estimate of bio-available metals. Near complete recoveries are achieved for most toxicologically important metals, but elements associated with recalcitrant minerals may be only partially recovered.			
MET-DRY-MICR-HRMS-VA	Tissue	Metals in Tissue by HR-ICPMS Micro (DRY)	EPA 200.3/200.8
Trace metals in tissue are analyzed by high resolution inductively coupled plasma mass spectrometry (HR-ICPMS) modified from US EPA Method 200.8, (Revision 5.5). The sample preparation procedure is modified from US EPA 200.3. Analytical results are reported on dry weight basis.			
Method Limitation: This method employs a strong acid/peroxide digestion, and is intended to provide a conservative estimate of bio-available metals. Near complete recoveries are achieved for most toxicologically important metals, but elements associated with recalcitrant minerals may be only partially recovered.			
MET-WET-CCMS-N-VA	Tissue	Metals in Tissue by CRC ICPMS (WET)	EPA 200.3/6020A
This method is conducted following British Columbia Lab Manual method "Metals in Animal Tissue and Vegetation (Biota) - Prescriptive". Tissue samples are homogenized and sub-sampled prior to hotblock digestion with nitric and hydrochloric acids, in combination with addition of hydrogen peroxide. Instrumental analysis is by collision cell inductively coupled plasma - mass spectrometry (modified from EPA Method 6020A).			
Method Limitation: This method employs a strong acid/peroxide digestion, and is intended to provide a conservative estimate of bio-available metals. Near complete recoveries are achieved for most toxicologically important metals, but elements associated with recalcitrant minerals may be only partially recovered.			
MET-WET-MICR-HRMS-VA	Tissue	Metals in Tissue by HR-ICPMS Micro (WET)	EPA 200.3/200.8
Trace metals in tissue are analyzed by high resolution inductively coupled plasma mass spectrometry (HR-ICPMS) modified from US EPA Method 200.8, (Revision 5.5). The sample preparation procedure is modified from US EPA 200.3. Analytical results are reported on wet weight basis.			
Method Limitation: This method employs a strong acid/peroxide digestion, and is intended to provide a conservative estimate of bio-available metals.			

Reference Information

Near complete recoveries are achieved for most toxicologically important metals, but elements associated with recalcitrant minerals may be only partially recovered.

MOISTURE-TISS-VA Tissue % Moisture in Tissues ASTM D2974-00 Method A

This analysis is carried out gravimetrically by drying the sample at 105 C for a minimum of six hours.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
----------------------------	---------------------

Chain of Custody Numbers:

1	2	3	4	5
6	7			

GLOSSARY OF REPORT TERMS

Surrogate - A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

mg/kg - milligrams per kilogram based on dry weight of sample.

mg/kg ww - milligrams per kilogram based on wet weight of sample.

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight of sample.

mg/L - milligrams per litre.

< - Less than.

D.L. - The reported Detection Limit, also known as the Limit of Reporting (LOR).

N/A - Result not available. Refer to qualifier code and definition for explanation.

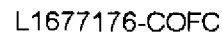
Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.



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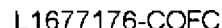
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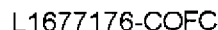
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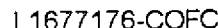
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L1677176-COFC

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Report To			Report			Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)												
Company: C. Portt and Associates			Select Report Format: ☒ PDF ☒ EXCEL ☐ EDD (DIGITAL)			☒ Regular (Standard TAT if received by 3 pm - business days)												
Contact: Cam Portt			Quality Control (QC) Report with Report			☐ Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT												
Address: 56 Waterloo Avenue			☐ Criteria on Report - provide details below if box checked			☐ Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT												
Guelph, ON N1H 3H5			Select Distribution: ☒ EMAIL ☐ MAIL ☐ FAX			☐ Same day or weekend emergency - contact ALS to confirm TAT and surcharge												
Phone:			Email 1 or Fax: cportt@sentex.net			Specify Date Required for E2, E or P:												
Email 2:																		
Invoice To: Same as Report To			Invoice Distribution			Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below												
Copy of Invoice with Report			Select Invoice Distribution: ☒ EMAIL ☐ MAIL ☐ FAX															
Company:			Email 1 or Fax:															
Contact:			Email 2:															
Project Information			Oil and Gas Required Fields (client use)															
ALS Quote #: Q52131			Approver ID:															
Job #: Amaruq 2015			GL Account:															
PO / AFE:			Activity Code:															
LSD:			Location:															
ALS Lab Work Order # (lab use only)			ALS Contact:			Sampler: George Coker												
ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)		Date (dd-mm-yy)	Time (hh:mm)	Sample Type	Mercury (Wet and Dry)	Moisture										Number of Containers	
	Mammoth Lake Lake Trout #126		26-Aug-15		Tissue	R	R											1
Drinking Water (DW) Samples ¹ (client use)			Special Instructions / Specify Criteria to add on report (client use)			SAMPLE CONDITION AS RECEIVED (lab use only)												
Are samples taken from a Regulated DW System?			Please report wet and dry weight concentrations for Hg and metals.			Frozen ☐ SIF Observations Yes ☐ No ☐												
Are samples for human drinking water use?						Ice packs Yes ☐ No ☐ Custody seal intact Yes ☐ No ☐												
						Cooling Initiated ☐												
						INITIAL COOLER TEMPERATURES °C												
						FINAL COOLER TEMPERATURES °C												
						-2												
SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)												
Released by: C. Portt			Received by: DJ			Date: 8/23/15												
Date: Sept 22/15			Time:			Time: 8:45												

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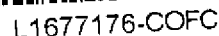
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Report To						Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)																												
Company: C. Portt and Associates						Select Report Format: ☒ PDF ☒ EXCEL ☐ EDD (DIGITAL)							R	☒ Regular (Standard TAT if received by 3 pm - business days)																				
Contact: Cam Portt						Quality Control (QC) Report with Report							P	☐ Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT																				
Address: 56 Waterloo Avenue Guelph, ON N1H 3H5						☐ Criteria on Report - provide details below if box checked							E	☐ Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT																				
Phone:						Select Distribution: ☒ EMAIL ☐ MAIL ☐ FAX							E2	☐ Same day or weekend emergency - contact ALS to confirm TAT and surcharge																				
						Email 1 or Fax cportt@sentex.net							Specify Date Required for E2,E or P:																					
						Email 2							Analysis Request																					
Invoice To Same as Report To						Invoice Distribution							Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below																					
Copy of Invoice with Report						Select Invoice Distribution: ☒ EMAIL ☐ MAIL ☐ FAX																												
Company:						Email 1 or Fax																												
Contact:						Email 2																												
Project Information						Oil and Gas Required Fields (client use)																												
ALS Quote #: Q52131						Approver ID:				Cost Center:																								
Job #: Amerug 2015						GL Account:				Routing Code:																								
PO / AFE:						Activity Code:																												
LSD:						Location:																												
ALS Lab Work Order # (lab use only)						ALS Contact:							Sampler: George Coker																					
ALS Sample # (lab use only)		Sample Identification And/or Coordinates (This description will appear on the report)				Date (dd-mm-yy)		Time (hh:mm)		Sample Type		Mercury (Wet and Dry)	Metals scan (Wet and Dry)	Moisture												Number of Containers								
		Whale Tail Lake Small Fish composite #1				26-Jul-15				Tissue		R	R	R																				
		Whale Tail Lake Small Fish composite #2				26-Jul-15				Tissue		R	R	R																				
		Whale Tail Lake Small Fish composite #3				26-Jul-15				Tissue		R	R	R																				
		Whale Tail Lake Small Fish composite #4				26-Jul-15				Tissue		R	R	R																				
		Whale Tail Lake Small Fish composite #5				26-Jul-15				Tissue		R	R	R																				
		Whale Tail Lake Small Fish composite #6				26-Jul-15				Tissue		R	R	R																				
		Whale Tail Lake Small Fish composite #7				26-Jul-15				Tissue		R	R	R																				
		Mammoth Lake Small Fish composite #8				30-Jul-15				Tissue		R	R	R																				
		Mammoth Lake Small Fish composite #9				29-Jul-15				Tissue		R	R	R																				
		Mammoth Lake Small Fish composite #10				29-Jul-15				Tissue		R	R	R																				
		Mammoth Lake Small Fish composite #11				29-Jul-15				Tissue		R	R	R																				
		Mammoth Lake Small Fish composite #12				29-Jul-15				Tissue		R	R	R																				
Drinking Water (DW) Samples¹ (client use)						Special Instructions / Specify Criteria to add on report (client use)							SAMPLE CONDITION AS RECEIVED (lab use only)																					
Are samples taken from a Regulated DW System?						Please report wet and dry weight concentrations for Hg and metals.							Frozen ☒ SIF Observations Yes ☐ No ☐																					
Are samples for human drinking water use?													Ice packs Yes ☐ No ☐ Custody seal intact Yes ☐ No ☐ Cooling Initiated ☐																					
													INITIAL COOLER TEMPERATURES °C FINAL COOLER TEMPERATURES °C																					
													-2°																					
SHIPMENT RELEASE (client use)						INITIAL SHIPMENT RECEPTION (lab use only)							FINAL SHIPMENT RECEPTION (lab use only)																					
Released by: C. Portt		Date: Sept. 22/15	Time:	Received by:		Date:	Time:	Received by: DJ		Date: Sep 23	Time: 8:45																							

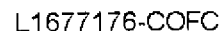
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