

REPORT

Prospecting and Soil Sampling

Root Lake Property

Northwestern Ontario

For

Golden Dory Resources Corporation

by

Paul Nielsen

December, 2012

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Rock and Soil Sample Location Map	Scale 1:10,000
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1.0 Introduction

Stares Contracting was retained to undertake prospecting and soil sampling in the Root Lake area of Northwestern Ontario for Golden Dory Resources Corporation of Gander Newfoundland. Field work was carried out between October 4, 2012 and October 30, 2012.

2.0 Location and Accessibility

The Root Lake Property is located approximately 90 kilometres north of Sioux Lookout, Ontario (Figure 1). The claims are easily accessed by the Vermillion River Resource Road during the summer and by helicopter from the airport in Sioux Lookout during the winter.

3.0 Property Description

The Root Lake property consists of a contiguous block of six claims (66 claim units) located in the Red Lake Mining Division and an additional claim (9 units) located in the Patricia Mining Division (Figure 2). All claims can be found on the Root Lake Area claim sheet (G-2189). The claims were acquired partially through staking, and by option from a local prospector who retains a 2% NSR. The property claims are listed in the table below.

Township/Area	Claim Number	Recording		Claim units	Division
		Date	Claim Due Date		
ROOT LAKE AREA (RL)	4207335	2008-02-18	2014-02-18	15	Red Lake
ROOT LAKE AREA (RL)	4250498	2009-10-13	2012-12-24	4	Red Lake
ROOT LAKE AREA (RL)	4250499	2009-10-13	2012-12-24	16	Red Lake
ROOT LAKE AREA (RL)	4251417	2009-10-13	2012-12-24	16	Red Lake
ROOT LAKE AREA (RL)	4251418	2009-10-13	2012-12-24	7	Red Lake
ROOT LAKE AREA (RL)	4251419	2009-10-13	2012-12-24	8	Red Lake
ROOT LAKE AREA (PAT)	4251413	2009-10-13	2012-12-24	9	Patricia

4.0 Property History

The area has an exploration history dating back to the mid 1950's when the Root Lake and nearby McCombe pegmatite dike systems were discovered. The McCombe pegmatite lies approximately 1 kilometre west of the Root Lake property boundary and hosts (non 43-101 compliant) resources of 2.3 million tons grading 1.3% Li₂O with credits in tantalum. The Root Lake pegmatite was explored by Consolidated Morrison Explorations which included trenching and diamond drilling. The trenching outlined a pegmatite dike over several hundred metres long and up to 9.14 metres wide, from which channel sampling returned 3% Li₂O over 9.14 metres. Subsequent diamond drilling traced the dike for approximately 1200 meters (to the west, towards the McCombe dike)

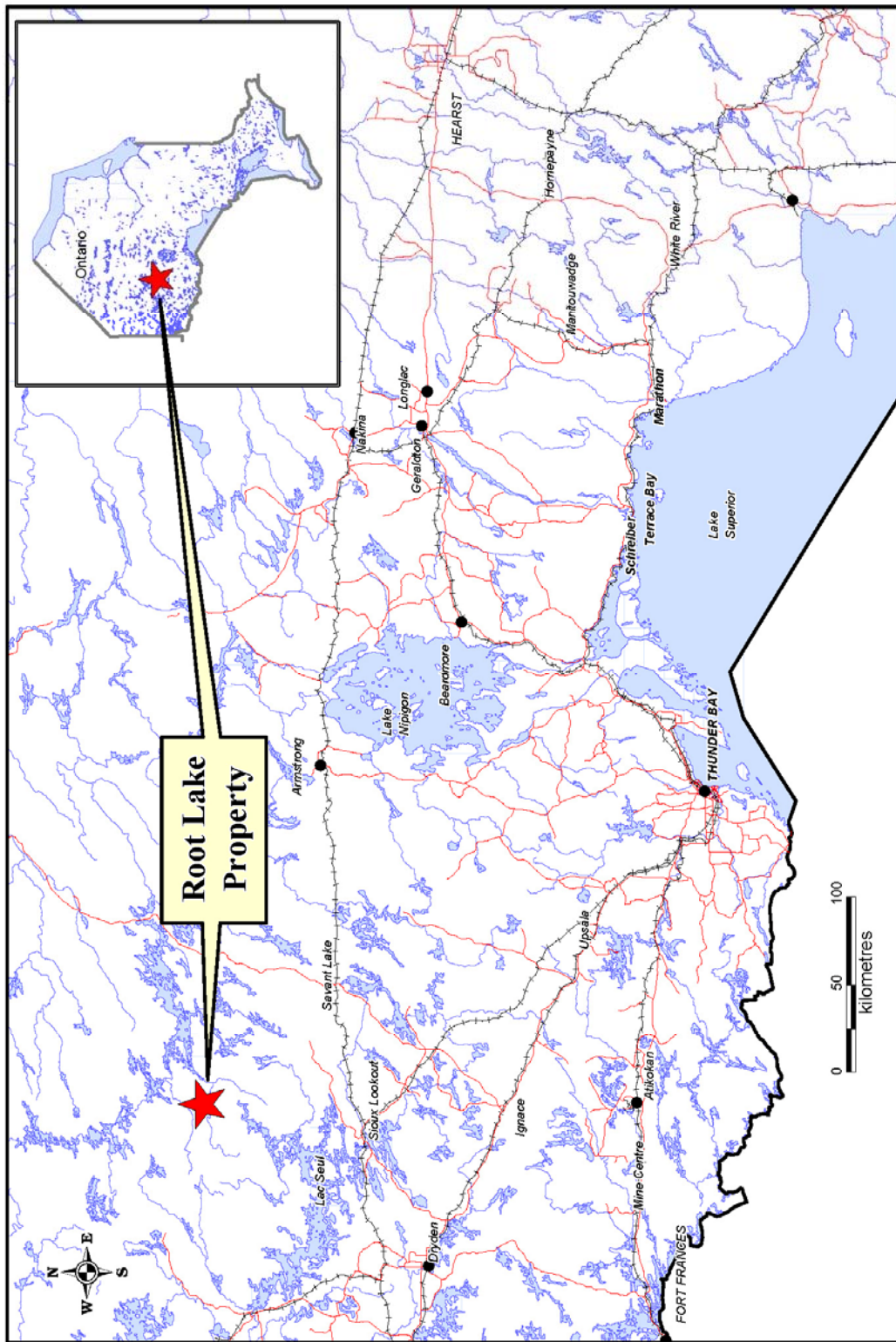


Figure 1

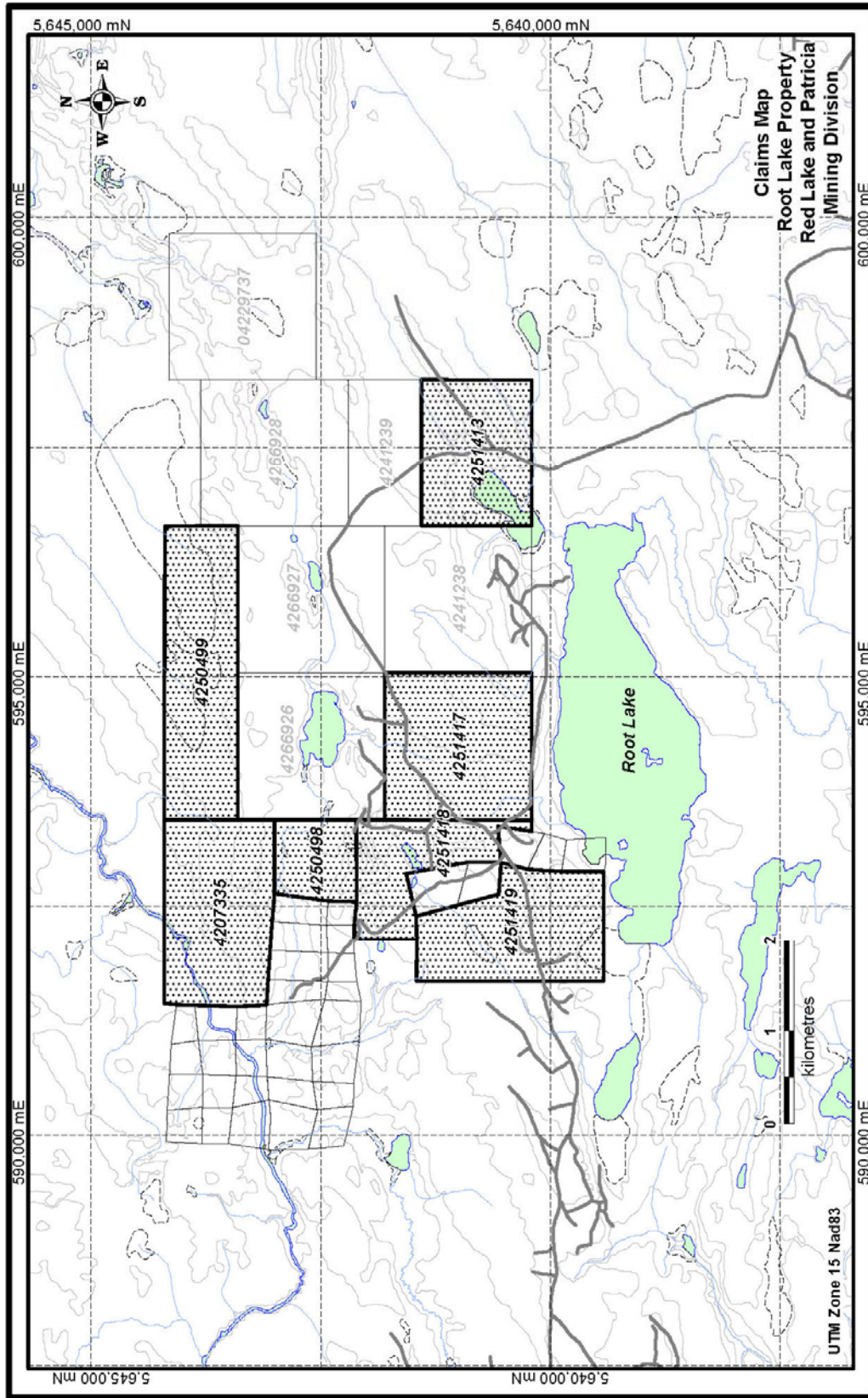


Figure 2

and the pegmatite remains open to depth and along strike. Diamond drill logs indicate the spodumene (lithium) bearing pegmatite was intersected at thicknesses up to 17 metres but only two holes reported assays including 1.86% Li₂O over 5.64 metres and 2.63% Li₂O over 3.96 metres. The property was restaked by H. A. Watt in 2000, and a stripping, trenching and sampling program carried out in 2000 and 2002. Due diligence sampling of the historical trenches by Golden Dory in the fall of 2009 verified the existence of significant lithium mineralization including 4.43%Li₂O over 5.00 metres from chip sampling of a trench. Potentially significant concentrations of other rare metals were also found to be associated with lithium minerals including Be (beryllium), Ta (tantalum), Nb (niobium), Cs (cesium), Rb (rubidium) and Ga (gallium).

5.0 Property Geology and Mineralization

The Root Lake property straddles the Uchi and English River Subprovinces of the Superior Province of Northwest Ontario. The main mineralized zone lies within unsubdivided metavolcanic and clastic sedimentary rocks of the Birch-Uchi Greenstone Belt and to a lesser extent mafic metavolcanic rocks of the English River Subprovince. Spodumene (lithium silicate) crystals (locally up to 50 cms in length) are exposed in a 9.14 metre wide medium to very coarse grained pegmatite dike, in association with feldspar, quartz, mica and tourmaline. Tourmaline is most common at or near the dike contacts. It is believed the associated rare metals including Ta and Nb are closely linked to the presence of tourmaline.

6.0 Prospecting and soil sampling

Prospecting on the Root Lake Property was conducted in October, 2012 and a daily log and list of personnel is presented in Appendix 1. Prospecting traverses were done over most of the property and outcrops and large float were sampled wherever possible. During the traverses overburden cover, topography and vegetation were noted. Outcrop is confined mainly to hills in the south east and southwest part of the property. Simultaneously soil samples were collected to assess the gold potential on the property. All sample locations were flagged and a hand held GPS was used for location control and to record the traverse tracks. A total of 13 rock samples and 73 soil samples were collected. Sample locations are shown on Map 1 at a scale of 1:10,000. Samples were sent to Actlabs in Thunder Bay, Ontario and analyzed for whole rock oxides and rare earth elements using a lithium metaborate/tetraborate fusion with subsequent analysis by ICP and ICP/MS for rocks, and gold using FA with AA finish for the soil samples. Sample descriptions are listed in Appendix 2 and 3 and assay certificates are in Appendix 4. Expenditures for the work are listed in appendix 5.

7.0 Results

Rock samples returned generally low values in rare earth elements and Li. Li ranged from detection limit of 2 ppm to 145 ppm in sample 791166 located in the south east corner of claim 4250499. The sample is described as a feldspar rich rock with traces of pyrite. Rare earth element results were converted to oxides and results were also given as total rare earth oxides (TREO) and listed in Appendix 6. TREO values ranged from 0.001% to

part of claim 4251419. The sample is described as a biotite rich pegmatite with an unidentified purple mineral located in outcrop.

Soil samples were analysed for gold and returned values ranging from detection limit of <5 ppb to 94 ppb. The highest value of 94 ppb is located along the claim line in the northeast corner of claim 4251418. The sample is described as light brown sand and organic material in an overburden covered spruce and jack pine stand. The second value of 52 ppb was obtained from the central part of claim 4251418 in an area with mature spruce growth and flat relief covered by brown organic material.

8.0 Conclusion and Recommendations

Rock samples collected indicated low values of lithium and rare earths so no further follow-up is recommended as a result of this part of work at this time. Gold values in soil indicated two anomalous areas in which follow-up sampling are recommended. The anomalous samples lie within areas of significant overburden cover and no outcrop was mapped in close proximity to these areas. Consideration should be given to cutting two small grids and soil sampling at 100 by 25 meter spacing. Trenching and or/drilling may be required depending on results.

Respectfully submitted



Paul E Nielsen

December 12, 2012

Appendix 1

All contract prospecting and sampling was carried out by:

Stares Contracting Corp.

3250 Highway 130

Rossllyn, Ontario P7K 0B1

Personnel: Rob Dyer (RD), Brett Dyer (BD), Roy Hill (RH), Reggie Leboeuf (RL)

Daily Log

Date	Observation or Comments
Oct. 4, 2012	Prepared gear Rob, Brett, & Roy travelled to Sioux Lookout.
Oct. 5, 2012	Rob, Brett, & Roy found access. Traverse in 4250498 sample 1099201. 1 sample
Oct. 6, 2012	Rob, Brett, & Roy traverse in 4251413, 1099202-204 grab samples, 1099206 soil sample. 4 samples
Oct. 7, 2012	Rob, Brett, & Roy traverse in 4250498 & 4251418. 1099207-212 soil samples. 6 samples
Oct. 8, 2012	Rob, Brett, Roy traversed 4251419 . 1099213 & 1099215 soil samples, 1099215-217 grab samples.
Oct. 18, 2012	Reggie & Brett travelled Thunder Bay to Sioux Lookout
Oct. 19, 2012	Reggie & Brett prospecting 620907-620918
Oct. 20, 2012	Reggie & Brett prospecting 620919-620926
Oct. 21, 2012	Reggie & Brett prospecting 620927-620929
Oct. 22, 2012	Reggie & Brett prospecting 620930-620943
Oct. 23, 2012	Reggie & Brett prospecting 620944-620950, 791155-791162
Oct. 24, 2012	Reggie & Brett prospecting 791163-791169
Oct. 25, 2012	Reggie & Brett prospecting 791170-791173
Oct. 26, 2012	Reggie & Brett prospecting 791174-791180
Oct. 28, 2012	Reggie & Brett drove home.
Oct. 30, 2012	Rob a day doing paper work and getting samples prepared.

Appendix 2

Rock Sample Descriptions

Rock Descriptions

Sample #	Easting (UTM Zone 15)	Northing (UTM Zone 15)	Rocktype	Description	Sampler	Date
1099203	597438	5641044	Garnet Schist	O/c?, schist, with red garnets.	RD' BD' RH	Oct. 6, 2012
620908	598217	5641285	Granite	Boulder, pyrite, coarse grain	RL, BD	Oct. 19, 2012
620933	593504	5640830	Granite	Boulder	RL, BD	Oct. 22, 2012
620935	593575	5640850	Granite	Boulder	RL, BD	Oct. 22, 2012
620939	593890	5640696	Granite	Out crop, calcite	RL, BD	Oct. 22, 2012
791164	596674	5643562	Mafic Volcanic	Out crop, feldspars, trace pyrite	RL, BD	Oct. 24, 2012
791166	596604	5643568	Mafic Volcanic	Out crop, feldspars, trace pyrite	RL, BD	Oct. 24, 2012
1099201	592759	5642473	Mafic Volcanic	Rounded o/c, 1cm quartz stringer, feldspars.	RD' BD' RH	Oct. 5, 2012
1099215	592000	5640304	Medisediment	Medium grain, fractured	RD' BD' RH	Oct. 8, 2012
791171	596578	5643516	Pegmatite		RL, BD	Oct. 25, 2012
1099204	597593	5641148	Pegmetite	Pegmitite with claspes of metasediments, biotite	RD' BD' RH	Oct. 6, 2012
1099214	591990	5640209	Pegmetite	Pegmatite clasp caught in medisediment, some biotite	RD' BD' RH	Oct. 8, 2012
1099216	592327	5640381	Pegmetite	Biotite, some terquoise crystals?	RD' BD' RH	Oct. 8, 2012

Note: Coordinates are UTM Zone 15 NAD 83

Appendix 3

Soil Sample Descriptions

Soil Sample Descriptions

Sample #	Easting (UTM Zone 15)	Northing (UTM Zone 15)	Sample Type	Description	Sampler	Date
620907	598221	5641324	Soil	Brown sand, 30cm organics, bottom of 6% slope, spruce jack pine, and alders	RL, BD	Oct. 19, 2012
620909	598190	5641125	Soil	Brownish grey sand, 5cm organics, flat, spruce jack pine, and alders	RL, BD	Oct. 19, 2012
620910	598162	5641176	Soil	Brown sand, 30cm organics, top of hill, spruce jack pine, and alders	RL, BD	Oct. 19, 2012
620911	598088	5641126	Soil	Brown sand, 30cm organics, flat, spruce jack pine	RL, BD	Oct. 19, 2012
620912	597972	5641120	Soil	Brown sand, 15cm organics, top of hill, spruce jack pine, and alders	RL, BD	Oct. 19, 2012
620913	597939	5641163	Soil	Greyish brown sand, 8cm organics, flat, swamp, spruce & Lab. Tea	RL, BD	Oct. 19, 2012
620914	597707	5641119	Soil	Brown sand, 15cm organics, flat, swamp, spruce	RL, BD	Oct. 19, 2012
620915	597675	5641119	Soil	Greyish brown sand 15cm organics, flat, spruce swamp	RL, BD	Oct. 19, 2012
620916	597706	5640942	Soil	Brown sand, 6cm organics, middle Of 3% slope, spruce, jack pine, Lab. Tea	RL, BD	Oct. 19, 2012
620917	597658	5640850	Soil	Brown sand, 5cm organics, top of hill, spruce jack pine	RL, BD	Oct. 19, 2012
620918	597550	5640770	Soil	Brown sand, 5cm organics, flat, spruce jack pine	RL, BD	Oct. 19, 2012
620919	597190	5640250	Soil	Brown sand, 5cm organics, flat, spruce jack pine	RL, BD	Oct. 20, 2012
620921	596719	5640664	Soil	Brown sand, 5cm organics, flat, spruce jack pine	RL, BD	Oct. 20, 2012
620922	596688	5640680	Soil	Brown sand, 5cm organics, spruce swamp, flat, spruce	RL, BD	Oct. 20, 2012
620923	596692	5641066	Soil	Dark brown, 10cm organics, middle of 8% slope, tall spruce	RL, BD	Oct. 20, 2012
620924	596797	5641215	Soil	Brown sand, 10cm organics, bottom of hill, poplar, spruce, alders	RL, BD	Oct. 20, 2012
620925	596854	5641275	Soil	Brown sand, 10cm organics, swamp, flat, poplar, spruce, alders	RL, BD	Oct. 20, 2012
620926	596942	5641348	Soil	Brown sand, 10cm organics, swamp, flat, spruce, alders	RL, BD	Oct. 20, 2012
620920	597131	5640272	Soil	Brown sand, 5cm organics, flat, spruce jack pine	RL, BD	Oct. 20, 2012
620927	595130	5641828	Soil	Light brown sand, 10cm organics, swamp, flat, spruce, alders	RL, BD	Oct. 21, 2012
620928	594913	5641535	Soil	Brown sand, 30cm organics, swamp, flat, spruce, Lab. Tea	RL, BD	Oct. 21, 2012
620929	594096	5640843	Soil	Brown sand, 30cm organics, swamp, flat, spruce, Lab. Tea	RL, BD	Oct. 21, 2012
620930	593476	5641240	Soil	Brown sand, 10cm organics, swamp, flat, spruce, Lab. Tea	RL, BD	Oct. 22, 2012
620931	593433	5641211	Soil	Brown sand, 10cm organics, flat, spruce, poplar	RL, BD	Oct. 22, 2012
620932	593422	5641043	Soil	Brown sand, 10cm organics, swamp, flat, spruce, Lab. Tea	RL, BD	Oct. 22, 2012
620934	593566	5640825	Soil	Brown sand, 10cm organics, swamp, flat, spruce, Lab. Tea	RL, BD	Oct. 22, 2012
620936	593594	5640861	Soil	Brown sand, 10cm organics, swamp, flat, spruce, Lab. Tea	RL, BD	Oct. 22, 2012
620937	593661	5640764	Soil	Brown sand, 5cm organics, 1/2 way 2% slope, spruce, Lab. Tea	RL, BD	Oct. 22, 2012
620938	593793	5640679	Soil	Brown sand, 5cm organics, 1/2 way 5% slope, spruce, Lab. Tea	RL, BD	Oct. 22, 2012
620940	594026	5640767	Soil	Brown sand, 8cm organics, 1/2 way 2% slope, spruce, poplar, balsam	RL, BD	Oct. 22, 2012
620941	594074	5640639	Soil	Brown sand, 8cm organics, flat, spruce, poplar, balsam	RL, BD	Oct. 22, 2012
620942	593788	5640970	Soil	Brown sand, 10cm organics, swamp, flat, spruce, Lab. Tea	RL, BD	Oct. 22, 2012
620943	593720	5640953	Soil	Brown sand, 5cm organics, flat, spruce, poplar, balsam	RL, BD	Oct. 22, 2012
620944	593446	5641850	Soil	Light brown sand, 5cm organics, flat, spruce, jack pine	RL, BD	Oct. 23, 2012
620945	593400	5641828	Soil	Brown sand, 5cm organics, flat, spruce, jack pine	RL, BD	Oct. 23, 2012
620946	593305	5641792	Soil	Light brown sand, 5cm organics, flat, spruce, jack pine	RL, BD	Oct. 23, 2012
620947	593216	5641692	Soil	Light brown sand, 5cm organics, flat, spruce, jack pine	RL, BD	Oct. 23, 2012
620948	593048	5641656	Soil	Greyish brown sand, 5cm organics, flat, spruce, jack pine	RL, BD	Oct. 23, 2012
620949	592973	5641652	Soil	Brown sand, 5cm organics, flat, spruce, jack pine	RL, BD	Oct. 23, 2012
620950	592816	5641625	Soil	Light brown sand, 5cm organics, flat, spruce, jack pine	RL, BD	Oct. 23, 2012
791155	592630	5641585	Soil	Light brown sand, 5cm organics, flat, spruce, jack pine	RL, BD	Oct. 23, 2012
791156	592523	5641464	Soil	Brown sand, 5cm organics, flat, spruce, jack pine	RL, BD	Oct. 23, 2012
791157	592421	5641245	Soil	Light brown sand, 5cm organics, flat, spruce, jack pine	RL, BD	Oct. 23, 2012
791158	592494	5641241	Soil	Dark brown, 15cm organics, flat, swamp, spruce, alders, Lab. Tea	RL, BD	Oct. 23, 2012

Soil Sample Descriptions

Sample #	Easting (UTM Zone 15)	Northing (UTM Zone 15)	Sample Type	Description	Sampler	Date
791159	592705	5641258	Soil	Light brown sand, 5cm organics, flat, spruce, jack pine	RL, BD	Oct. 23, 2012
791160	592826	5641266	Soil	Light brown sand, 5cm organics, middle of 2% slope, spruce, jack pine	RL, BD	Oct. 23, 2012
791161	592630	5641585	Soil	Reddish brown sand, 5cm organics, flat, spruce, jack pine	RL, BD	Oct. 23, 2012
791162	593298	5641341	Soil	Brown sand, 5cm organics, flat, spruce, jack pine	RL, BD	Oct. 23, 2012
791163	596657	5643487	Soil	Dark brown, 5cm organics, middle of 1% slope, spruce, alders, Lab. Tea	RL, BD	Oct. 24, 2012
791165	596630	5643542	Soil	Light brown sand, 15cm organics, flat, spruce, alders	RL, BD	Oct. 24, 2012
791167	596604	5643568	Soil	Brown sand, 15cm organics, middle of 2% slope, spruce, jack pine	RL, BD	Oct. 24, 2012
791168	596557	5643698	Soil	Light brown sand, 5cm organics, bottom of 2% slope by swamp, spruce, jack pine	RL, BD	Oct. 24, 2012
791169	596537	5643642	Soil	Light brown sand, 5cm organics, flat, spruce, jack pine	RL, BD	Oct. 24, 2012
791170	592705	5643258	Soil	Brown sand, 5cm organics, flat, spruce, jack pine	RL, BD	Oct. 25, 2012
791172	596528	5643503	Soil	Dark brown sand, 30cm organics, flat, swamp, spruce, tamarac	RL, BD	Oct. 25, 2012
791173	596435	5643552	Soil	Brown sand, 30cm organics, flat, swamp, spruce, Lab. tea	RL, BD	Oct. 25, 2012
791174	593460	5643511	Soil	Light brown sand, 30cm organics, flat, spruce, jack pine	RL, BD	Oct. 26, 2012
791175	593477	5643545	Soil	Dark brown sand, 30cm organics, flat, swamp, spruce, tamarac	RL, BD	Oct. 26, 2012
791176	593519	5643595	Soil	Light brown sand, 30cm organics, flat, spruce, jack pine	RL, BD	Oct. 26, 2012
791177	593589	5643639	Soil	Light brown sand, 30cm organics, flat, spruce, jack pine	RL, BD	Oct. 26, 2012
791178	593690	5643692	Soil	Light brown sand, 30cm organics, flat, spruce, jack pine	RL, BD	Oct. 26, 2012
791179	593877	5643947	Soil	Brown sand, 60cm organics, flat, swamp, spruce, Lab. tea	RL, BD	Oct. 26, 2012
791180	593980	5644009	Soil	Brown sand, 60cm organics, flat, swamp, spruce, Lab. tea	RL, BD	Oct. 26, 2012
1099202	597251	5640822	Soil	Edge of creek, greyish/brown, 2 inches organics, alder bed	RD' BD' RH	Oct. 6, 2012
1099205	598156	5640878	Soil	Reddish/grey, bottom of gradual slope, 3 inches of organics, small spruce & Lab. Tea	RD' BD' RH	Oct. 6, 2012
1099206	592986	5641524	Soil	Reddish/brown, 2 inches organics, north side of lake. Spruce Lab. Tea	RD' BD' RH	Oct. 7, 2012
1099207	592867	5641143	Soil	Reddish/brown, 6 inches organics, south side of creek. Spruce Lab. Tea	RD' BD' RH	Oct. 7, 2012
1099208	592704	5641583	Soil	Bottom of gradual slope, brown, 2 inch organics, mature spruce.	RD' BD' RH	Oct. 7, 2012
1099209	592243	5641708	Soil	Bottom of gradual slope, brown, 2 inch organics, mature spruce.	RD' BD' RH	Oct. 7, 2012
1099210	592227	5642017	Soil	Bottom of gradual slope, brown, 2 inch organics, mature spruce.	RD' BD' RH	Oct. 7, 2012
1099211	592837	5641787	Soil	Bottom of gradual slope, grey, 2 inch organics, mature spruce.	RD' BD' RH	Oct. 7, 2012
1099212	591971	5639847	Soil	Reddish/brown sand, 2 inch organics, middle of gradual slope, spruce poplar mix	RD' BD' RH	Oct. 8, 2012
1099213	592533	5640174	Soil	Grey soil, flat, in boulders, young spruce and alders.	RD' BD' RH	Oct. 8, 2012

Appendix 4

Certificates of Analysis

Actlabs



Date Submitted: 01-Nov-12
Invoice No.: A12-12252
Invoice Date: 23-Nov-12
Your Reference: Golden Dory

Golden Dory Resources
50 McCurdy
Gander NL A1V 1A2
Canada

ATTN: Mick Stares

CERTIFICATE OF ANALYSIS

13 Rock samples were submitted for analysis.

The following analytical packages were requested: Code 1F2-Tbay Total Digestion ICP(TOTAL)
Code 8-REE Assay Package Major Elements Fusion
ICP(WRA)/Trace Elements Fusion ICP/MS(WRA4B2)

REPORT **A12-12252**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Total includes all elements in % oxide to the left of total.
Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control



ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or
+1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Activation Laboratories Ltd. Report: A12-12252

Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb	Sb
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Detection Limit	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	1	0.01	0.01	1	1	1	0.01	1	0.001	3	5
Analysis Method	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
1099201	< 0.3	8.29	< 3	155	< 1	< 2	3.41	< 0.3	31	112	8	6.49	26	< 1	0.29	3.23	17	960	< 1	2.35	104	0.090	< 3	< 5
1099203	< 0.3	7.43	< 3	10	5	< 2	0.39	< 0.3	< 1	7	2	0.65	23	< 1	1.47	0.06	22	854	< 1	3.34	1	0.063	16	< 5
1099204	< 0.3	7.16	15	111	6	< 2	0.41	< 0.3	< 1	10	4	0.47	24	< 1	2.37	0.08	65	191	< 1	3.11	3	0.063	19	< 5
1099215	< 0.3	7.64	3	336	4	< 2	0.71	< 0.3	1	11	4	0.61	19	< 1	1.79	0.17	24	99	< 1	1.79	4	0.037	33	< 5
1099216	0.4	7.60	< 3	897	2	< 2	1.16	0.4	9	40	7	2.44	24	< 1	1.73	0.77	53	384	< 1	2.55	27	0.033	21	< 5
1099217	< 0.3	5.29	< 3	315	3	< 2	0.44	< 0.3	< 1	6	5	0.30	13	< 1	1.86	0.06	2	69	< 1	2.22	3	0.060	32	< 5
620908	< 0.3	7.77	< 3	498	< 1	< 2	2.16	< 0.3	7	14	2	1.82	27	< 1	1.29	0.56	37	240	6	3.40	10	0.036	< 3	< 5
620933	< 0.3	7.42	4	15	5	2	0.31	< 0.3	< 1	3	4	0.49	19	< 1	1.76	0.07	13	98	< 1	2.56	1	0.049	22	< 5
620935	< 0.3	7.49	4	13	9	2	0.16	< 0.3	< 1	5	6	0.40	21	< 1	2.76	0.04	12	111	< 1	2.44	1	0.087	21	< 5
620939	< 0.3	7.57	356	301	2	< 2	0.28	< 0.3	1	7	4	0.30	17	< 1	3.33	0.04	4	51	< 1	2.18	3	0.060	45	< 5
791164	< 0.3	8.34	7	55	1	< 2	10.1	< 0.3	49	183	122	8.08	21	< 1	0.22	4.00	71	1500	< 1	0.92	148	0.018	< 3	< 5
791166	< 0.3	7.86	< 3	25	3	< 2	9.84	< 0.3	47	153	70	8.91	21	< 1	0.14	3.47	145	2210	< 1	0.72	147	0.019	< 3	< 5
791171	< 0.3	8.32	< 3	766	3	< 2	1.59	< 0.3	6	21	10	1.52	29	< 1	1.98	0.50	27	250	2	3.48	12	0.047	23	< 5

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Analyte Symbol	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total
Unit Symbol	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	%
Detection Limit	0.01	4	1	2	0.01	5	10	2	5	1	1	5	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01	0.01
Analysis Method	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
1099201	0.02	20	196	10	0.35	< 5	< 10	80	< 5	18	74	105	55.11	15.84	9.69	0.135	5.42	5.02	3.29	0.33	1.151	0.28	3.21	99.48
1099203	< 0.01	< 4	12	< 2	< 0.01	< 5	< 10	< 2	< 5	6	13	20	74.93	14.52	0.96	0.118	0.10	0.54	4.57	3.48	0.008	0.16	0.61	100.00
1099204	< 0.01	< 4	64	< 2	0.02	< 5	< 10	3	< 5	2	10	14	75.13	14.03	0.69	0.028	0.12	0.57	4.01	3.94	0.024	0.16	0.68	99.37
1099215	< 0.01	4	169	< 2	0.04	< 5	< 10	4	5	5	10	5	73.95	13.99	0.87	0.014	0.26	0.95	2.39	4.36	0.055	0.10	1.03	97.96
1099216	0.01	9	257	< 2	0.17	< 5	< 10	39	< 5	15	55	167	70.53	14.54	3.59	0.053	1.26	1.64	3.50	3.50	0.347	0.12	0.84	99.92
1099217	< 0.01	< 4	142	< 2	0.01	< 5	< 10	2	< 5	4	5	11	75.45	12.98	0.47	0.010	0.10	0.80	3.14	5.59	0.020	0.17	0.30	99.03
620908	0.01	< 4	276	< 2	0.21	< 5	< 10	33	< 5	2	60	121	69.60	16.30	2.79	0.033	0.96	3.20	4.80	1.73	0.380	0.10	0.52	100.4
620933	< 0.01	< 4	21	< 2	< 0.01	< 5	< 10	< 2	< 5	3	10	10	74.97	14.56	0.77	0.014	0.11	0.44	3.59	3.71	0.015	0.13	1.06	99.36
620935	< 0.01	< 4	14	< 2	< 0.01	< 5	< 10	< 2	< 5	2	12	7	72.88	14.83	0.58	0.016	0.07	0.23	3.36	6.40	0.006	0.22	0.55	99.14
620939	< 0.01	< 4	98	< 2	< 0.01	< 5	< 10	3	< 5	4	7	< 5	74.20	14.72	0.45	0.008	0.07	0.39	3.00	7.05	0.012	0.15	0.47	100.5
791164	0.12	43	91	11	0.38	< 5	< 10	226	< 5	12	59	21	48.54	15.07	11.09	0.195	6.52	14.86	1.21	0.23	0.647	0.04	1.36	99.75
791166	0.09	44	83	< 2	0.40	< 5	< 10	248	6	13	77	20	48.45	14.62	12.97	0.295	5.69	15.00	0.96	0.16	0.722	0.06	1.13	100.0
791171	< 0.01	< 4	572	< 2	0.16	< 5	< 10	30	< 5	4	46	89	68.62	16.14	2.30	0.034	0.83	2.22	4.96	3.76	0.297	0.13	0.62	99.90

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Analyte Symbol	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	1	5	20	1	20	10	30	1	1	5	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS
1099201	20	1	150	180	27	100	< 10	90	19	< 1	< 5	5	235	20	162	13	< 2	0.7	< 0.2	< 1	< 0.5	< 0.5	151	< 0.4
1099203	1	4	< 5	< 20	< 1	< 20	< 10	< 30	17	3	< 5	180	14	6	34	8	< 2	< 0.5	< 0.2	4	< 0.5	7.8	13	0.7
1099204	2	5	5	< 20	< 1	< 20	< 10	< 30	17	3	12	230	66	3	17	8	< 2	< 0.5	< 0.2	10	< 0.5	31.5	102	0.8
1099215	4	4	6	< 20	1	< 20	< 10	< 30	14	2	< 5	99	179	7	9	4	< 2	< 0.5	< 0.2	3	< 0.5	2.1	312	< 0.4
1099216	9	2	49	60	8	30	< 10	70	19	2	< 5	121	292	24	185	11	< 2	0.7	< 0.2	2	< 0.5	7.3	859	< 0.4
1099217	1	2	5	< 20	< 1	< 20	< 10	< 30	10	2	< 5	102	185	6	14	2	< 2	< 0.5	< 0.2	< 1	< 0.5	2.0	351	< 0.4
620908	3	1	37	< 20	6	< 20	< 10	70	21	< 1	< 5	62	339	2	155	3	< 2	< 0.5	< 0.2	< 1	< 0.5	1.7	503	< 0.4
620933	1	4	< 5	< 20	< 1	< 20	20	< 30	15	4	6	152	25	3	12	7	< 2	< 0.5	< 0.2	4	< 0.5	4.1	19	2.2
620935	1	8	< 5	< 20	< 1	< 20	< 10	< 30	16	4	< 5	380	16	< 2	9	6	< 2	< 0.5	< 0.2	6	0.6	21.7	13	1.9
620939	1	2	6	< 20	1	< 20	< 10	< 30	12	3	135	178	110	5	18	3	< 2	< 0.5	< 0.2	1	< 0.5	3.4	285	0.6
791164	41	2	244	340	44	140	110	80	14	3	< 5	33	103	13	34	2	< 2	< 0.5	< 0.2	6	< 0.5	17.3	52	0.6
791166	44	3	277	270	43	140	70	100	15	4	7	15	96	14	39	2	< 2	< 0.5	< 0.2	4	0.7	4.9	25	0.5
791171	3	3	36	20	5	< 20	< 10	60	23	2	< 5	121	664	5	113	6	< 2	< 0.5	< 0.2	< 1	< 0.5	10.9	741	< 0.4

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Analyte Symbol	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
1099201	17.4	38.9	4.84	19.1	4.0	1.16	4.1	0.6	3.5	0.7	2.0	0.29	1.8	0.27	3.8	0.8	< 1	< 0.1	< 5	2.2	0.5
1099203	2.3	4.5	0.52	1.9	0.6	< 0.05	0.5	0.1	0.9	0.2	0.5	0.10	0.8	0.13	1.5	2.9	2	0.8	19	1.8	1.4
1099204	2.7	5.0	0.54	1.8	0.4	0.07	0.3	< 0.1	0.4	< 0.1	0.2	< 0.05	0.3	< 0.04	0.9	2.8	3	1.1	24	1.0	2.7
1099215	2.4	4.4	0.49	1.6	0.4	0.27	0.6	0.1	1.0	0.2	0.7	0.10	0.7	0.11	0.2	1.0	4	0.5	41	1.7	1.9
1099216	42.8	83.6	8.66	29.0	5.1	0.81	4.5	0.7	4.1	0.8	2.5	0.41	2.7	0.43	5.7	0.9	1	0.7	30	17.3	3.8
1099217	2.4	4.4	0.53	2.0	0.6	0.27	0.7	0.2	1.0	0.2	0.4	0.06	0.5	0.08	0.4	0.4	< 1	0.4	46	0.5	1.5
620908	6.9	18.9	1.19	3.7	1.0	0.38	1.0	0.1	0.5	< 0.1	0.2	< 0.05	0.2	< 0.04	3.5	0.2	< 1	0.4	6	3.7	0.3
620933	1.4	2.5	0.24	0.8	0.2	< 0.05	0.3	< 0.1	0.5	< 0.1	0.3	< 0.05	0.3	0.04	0.5	1.9	2	0.6	26	0.5	1.0
620935	0.5	1.0	0.09	0.3	< 0.1	< 0.05	< 0.1	< 0.1	0.2	< 0.1	0.1	< 0.05	0.2	< 0.04	0.4	4.4	5	1.9	26	0.2	0.8
620939	1.1	2.4	0.25	0.8	0.3	0.16	0.4	< 0.1	0.7	0.2	0.5	0.08	0.6	0.09	0.6	0.5	1	0.8	49	0.8	1.2
791164	1.7	4.9	0.70	3.7	1.4	0.55	2.0	0.4	2.3	0.5	1.5	0.23	1.6	0.24	0.9	0.1	< 1	0.3	< 5	0.1	< 0.1
791166	2.1	5.7	0.90	4.2	1.5	0.56	2.0	0.4	2.5	0.5	1.6	0.24	1.7	0.28	1.0	0.1	3	0.1	< 5	0.1	< 0.1
791171	27.6	49.0	5.16	18.3	2.8	0.70	1.9	0.2	0.8	0.1	0.4	0.06	0.4	0.07	3.7	0.6	< 1	0.6	30	8.9	2.2

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Quality Control																								
Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb	Sb
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm
Detection Limit	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	1	0.01	0.01	1	1	1	0.01	1	0.001	3	5
Analysis Method	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
GXR-1 Meas	31.9	2.50	396	712	1	1390	0.87	3.3	8		1200	24.1	8	4	0.04	0.21	8	895	16	0.05	48	0.062	726	17
GXR-1 Cert	31.0	3.52	427	750	1.22	1380	0.960	3.30	8.20		1110	23.6	13.8	3.90	0.050	0.217	8.20	852	18.0	0.0520	41.0	0.0650	730	122
NIST 694 Meas																								
NIST 694 Cert																								
DNC-1 Meas																								
DNC-1 Cert																								
GBW 07113 Meas																								
GBW 07113 Cert																								
GXR-4 Meas	3.4	6.97	94	167	2	14	1.03	0.3	16		6430	3.03	22	< 1	2.72	1.68	11	157	313	0.50	44	0.129	44	< 5
GXR-4 Cert	4.00	7.20	98.0	1640	1.90	19.0	1.01	0.860	14.6		6520	3.09	20.0	0.110	4.01	1.66	11.1	155	310	0.564	42.0	0.120	52.0	4.80
SDC-1 Meas	< 0.3	7.76	4	630	3	< 2	1.06	< 0.3	20		29	4.66	28	< 1	1.86	1.00	34	906	< 1	1.50	40	0.057	25	< 5
SDC-1 Cert	0.0410	8.34	0.220	630	3.00	2.60	1.00	0.0800	18.0		30.00	4.82	21.00	0.20	2.72	1.02	34.00	880.00	0.250	1.52	38.0	0.0690	25.00	0.54
SCO-1 Meas	0.3	7.41	7	590	2	< 2	1.89	< 0.3	13		31	3.63	23		2.42	1.62	44	415	1	0.68	31	0.088	28	< 5
SCO-1 Cert	0.134	7.24	12.00	570	1.80	0.37	1.87	0.140	11.00		29	3.59	15		2.30	1.64	45	410	1.4	0.670	27	0.0900	31.0	2.50
GXR-6 Meas	0.4	13.9	234	> 1000	1	2	0.22	0.3	15		63	5.11	40	4	1.75	0.60	39	1030	< 1	0.11	28	0.033	85	< 5
GXR-6 Cert	1.30	17.7	330	1300	1.40	0.290	0.180	1.00	13.8		66.0	5.58	35.0	0.0680	1.87	0.609	32.0	1010	2.40	0.104	27.0	0.0350	101	3.60
LKSD-3 Meas																								
LKSD-3 Cert																								
W-2a Meas																								
W-2a Cert																								
OREAS 14P Meas									711		9210	31.1									> 10000			
OREAS 14P Cert									750		9970	37.2									21000			
SY-4 Meas																								
SY-4 Cert																								
CTA-AC-1 Meas																								
CTA-AC-1 Cert																								
Oreas 72a (4 Acid Digest) Meas			6						149	223	302	8.55										6340		
Oreas 72a (4 Acid Digest) Cert			14.7						157	228	316	9.63										6930.000		
BIR-1a Meas																								
BIR-1a Cert																								
NCS DC86312 Meas																								
NCS DC86312 Cert																								
ZW-C Meas																								
ZW-C Cert																								
NCS DC70014 Meas																								
NCS DC70014 Cert																								
NCS DC70009 (GBW07241) Meas																								
NCS DC70009 (GBW07241) Cert																								
OREAS 100a (Fusion) Meas																								
OREAS 100a (Fusion) Cert																								
OREAS 101a (Fusion) Meas																								
OREAS 101a (Fusion) Cert																								
JR-1 Meas																								
JR-1 Cert																								
SAR-M (U.S.G.S.) Meas	3.3	6.24	30	832	3	2	0.62	5.1	12		325	3.27	23		2.76	0.48	29	5160	5	1.17	52	0.060	1000	< 5
SAR-M (U.S.G.S.) Cert	3.64	6.30	38.8	801	2.20	1.94	0.61	5.27	10.70		331	2.99	16.8		2.94	0.50	27.4	5220	13.10	1.140	41.50	0.070	982	6.00
USZ 44-2007 Meas																								
USZ 44-2007 Cert																								
DNC-1a Meas				103					54		103						5					266		< 5
DNC-1a Cert				118					57.0		100.0						5.20					247		0.96
OREAS 13b (4-Acid) Meas	1.1		41						80	9420	2260								11			2220		

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Quality Control																									
Analyte Symbol	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb	Sb	
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	
Detection Limit	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	1	0.01	0.01	1	1	1	0.01	1	0.001	3	5	
Analysis Method	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	
OREAS 13b (4-Acid) Cert	0.86		57						75	8650	2300.000								9.0		2247				
DMMAS 111 Meas																									
DMMAS 111 Cert																									
USZ 42-2006 Meas																									
USZ 42-2006 Cert																									
1099204 Orig	< 0.3	7.18	14	111	6	< 2	0.41	< 0.3	< 1	11	4	0.48	24	< 1	2.02	0.08	65	199	< 1	3.11	3	0.063	20	< 5	
1099204 Dup	< 0.3	7.15	15	112	6	4	0.40	< 0.3	< 1	9	5	0.46	23	< 1	2.72	0.08	65	182	< 1	3.12	3	0.063	19	< 5	
791171 Orig	< 0.3	8.32	< 3	766	3	< 2	1.59	< 0.3	6	21	10	1.52	29	< 1	1.98	0.50	27	250	2	3.48	12	0.047	23	< 5	
791171 Split	< 0.3	8.64	4	784	3	< 2	1.63	< 0.3	5	12	8	1.56	30	< 1	1.97	0.52	28	256	1	3.58	11	0.049	19	< 5	
791171 Orig																									
791171 Dup																									
Method Blank																									
Method Blank	< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		1	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3	< 5	
Method Blank	< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3	< 5	
Method Blank	< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		4	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3	< 5	
Method Blank	< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		1	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3	< 5	
Method Blank	< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3	< 5	
Method Blank	< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3	< 5	
Method Blank	< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		2	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3	< 5	
Method Blank	< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3	< 5	
Method Blank	< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		5	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3	< 5	
Method Blank	< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	1	< 0.001	< 3	< 5	
Method Blank																									
Method Blank																									

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Quality Control																									
Analyte Symbol	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	
Unit Symbol	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	%	
Detection Limit	0.01	4	1	2	0.01	5	10	2	5	1	1	5	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	
Analysis Method	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	
GXR-1 Meas	0.25	< 4	288	13		< 5	30	87	134	28	751	24													
GXR-1 Cert	0.257	1.58	275	13.0		0.390	34.9	80.0	164	32.0	760	38.0													
NIST 694 Meas													11.06	1.88	0.73	0.013	0.33	42.87	0.88	0.55	0.116	30.10			
NIST 694 Cert													11.2	1.80	0.790	0.0116	0.330	43.6	0.860	0.510	0.110	30.2			
DNC-1 Meas													46.66	17.96	9.88	0.146	9.78	11.50	1.90	0.23	0.474	0.07			
DNC-1 Cert													47.15	18.34	9.97	0.150	10.13	11.49	1.890	0.234	0.480	0.070			
GBW 07113 Meas													72.27	12.88	3.21	0.143	0.13	0.59	2.48	5.37	0.282	0.06			
GBW 07113 Cert													72.8	13.0	3.21	0.140	0.160	0.590	2.57	5.43	0.300	0.0500			
GXR-4 Meas	1.77	8	215	2		< 5	< 10	89	36	13	73	44													
GXR-4 Cert	1.77	7.70	221	0.970		3.20	6.20	87.0	30.8	14.0	73.0	186													
SDC-1 Meas	0.06	16	167		0.16	< 5	< 10	50	< 5	32	102	41													
SDC-1 Cert	0.0650	17.00	180.00		0.606	0.70	3.10	102.00	0.800	40.0	103.00	290.00													
SCO-1 Meas	0.08	13	165		0.35			136	< 5	20	100	108													
SCO-1 Cert	0.0630	11.0	170		0.380			130	1.4	26	100	160													
GXR-6 Meas	0.01	27	45	< 2		< 5	< 10	135	< 5	12	125	78													
GXR-6 Cert	0.0160	27.6	35.0	0.0180		2.20	1.54	186	1.90	14.0	118	110													
LKSD-3 Meas													52.62	15.65	10.84	0.165	6.13	10.98	2.27	0.63	1.091	0.18			
LKSD-3 Cert													52.4	15.4	10.7	0.163	6.37	10.9	2.14	0.626	1.06	0.130			
W-2a Meas																									
W-2a Cert																									
OREAS 14P Meas													49.43	20.57	6.22	0.107	0.48	8.16	6.87	1.63	0.291	0.13			
OREAS 14P Cert													49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.287	0.131			
SY-4 Meas																									
SY-4 Cert																									
CTA-AC-1 Meas																									
CTA-AC-1 Cert																									
Oreas 72a (4 Acid Digest) Meas	1.54																								
Oreas 72a (4 Acid Digest) Cert	1.74																								
BIR-1a Meas													47.39	15.44	11.28	0.170	9.36	13.58	1.78	0.02	0.960	0.04			
BIR-1a Cert													47.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.96	0.021			
NCS DC86312 Meas																									
NCS DC86312 Cert																									
ZW-C Meas																									
ZW-C Cert																									
NCS DC70014 Meas																									
NCS DC70014 Cert																									
NCS DC70009 (GBW07241) Meas																									
NCS DC70009 (GBW07241) Cert																									
OREAS 100a (Fusion) Meas																									
OREAS 100a (Fusion) Cert																									
OREAS 101a (Fusion) Meas																									
OREAS 101a (Fusion) Cert																									
JR-1 Meas																									
JR-1 Cert																									
SAR-M (U.S.G.S.) Meas		10	150	5	0.28	< 5	< 10	57	12	33	933														
SAR-M (U.S.G.S.) Cert		7.83	151.0	0.96	2.7	2.88	3.57	67.20	9.78	28.00	930.0														
USZ 44-2007 Meas																									
USZ 44-2007 Cert																									
DNC-1a Meas		32	132					141		15	57	36													
DNC-1a Cert		31	144.0					148.0		18.0	70.0	38													
OREAS 13b (4-Acid) Meas	1.14																								
OREAS 13b (4-Acid) Cert																									

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Quality Control																									
Analyte Symbol	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	
Unit Symbol	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	%	
Detection Limit	0.01	4	1	2	0.01	5	10	2	5	1	1	5	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01		0.01	
Analysis Method	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	
OREAS 13b (4-Acid) Cert	1.20											133													
DMMAS 111 Meas																									
DMMAS 111 Cert																									
USZ 42-2006 Meas																									
USZ 42-2006 Cert																									
1099204 Orig	< 0.01	< 4	64	< 2	0.02	6	< 10	3	< 5	2	11	13													
1099204 Dup	< 0.01	< 4	65	< 2	0.02	< 5	< 10	3	< 5	2	10	15													
791171 Orig	< 0.01	< 4	572	< 2	0.16	< 5	< 10	30	< 5	4	46	89	68.62	16.14	2.30	0.034	0.83	2.22	4.96	3.76	0.297	0.13	0.62	99.90	
791171 Split	< 0.01	< 4	583	< 2	0.16	< 5	< 10	30	< 5	4	50	90	68.19	15.78	2.30	0.034	0.82	2.21	4.89	3.71	0.295	0.12	0.60	98.95	
791171 Orig													68.02	15.90	2.29	0.034	0.82	2.21	4.93	3.73	0.295	0.12	0.62	98.98	
791171 Dup													69.21	16.38	2.32	0.034	0.83	2.22	4.99	3.78	0.300	0.13	0.62	100.8	
Method Blank	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5													
Method Blank	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5													
Method Blank	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5													
Method Blank	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5													
Method Blank	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5													
Method Blank	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5													
Method Blank	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5													
Method Blank	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5													
Method Blank	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5													
Method Blank	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5													
Method Blank	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5													

Activation Laboratories Ltd. Report: A12-12252

Quality Control																								
Analyte Symbol	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	1	5	20	1	20	10	30	1	1	5	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4
Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS
GXR-1 Meas																								
GXR-1 Cert																								
NIST 694 Meas			1674																					
NIST 694 Cert			1740																					
DNC-1 Meas	31		158	280	58	250	100	70					140	16	35					1.0			103	
DNC-1 Cert	31		148.0	270.000	57.0	247.000	100.0	70.0					144.0	18.0	38					0.96			118	
GBW 07113 Meas	5	4	6										42	45	394								494	
GBW 07113 Cert	5.00	4.00	5.00										43.0	43.0	403								506	
GXR-4 Meas																								
GXR-4 Cert																								
SDC-1 Meas																								
SDC-1 Cert																								
SCO-1 Meas																								
SCO-1 Cert																								
GXR-6 Meas																								
GXR-6 Cert																								
LKSD-3 Meas					30	50	30	140			26	76						< 2				2.3		
LKSD-3 Cert					30.0	47.0	35.0	152			27.0	78.0						2.00				2.30		
W-2a Meas	35	< 1	286										203	19	85								171	
W-2a Cert	36.0	1.30	262										190	24.0	94.0								182	
OREAS 14P Meas																								
OREAS 14P Cert																								
SY-4 Meas	< 1	3	9										1184	117	536								336	
SY-4 Cert	1.1	2.6	8.0										1191	119	517								340	
CTA-AC-1 Meas							60	40																
CTA-AC-1 Cert							54.0	38.0																
Oreas 72a (4 Acid Digest) Meas																								
Oreas 72a (4 Acid Digest) Cert																								
BIR-1a Meas	43	< 1	343	370	52	170	120	70	15				108	14	15	< 1							8	
BIR-1a Cert	44	0.58	310	370	52	170	125	70	16				110	16	18	0.6							6	
NCS DC86312 Meas																								
NCS DC86312 Cert																								
ZW-C Meas										95						197					1350		266	
ZW-C Cert										99						198					1300		260	
NCS DC70014 Meas					26	70	2610	7400	25								270	16.8				180		80.3
NCS DC70014 Cert					26.2	70.9	2600.00	7400.00	25.2								270	16.7				180.000		80.3
NCS DC70009 (GBW07241) Meas				30	4	< 20	950	100	17	11	70	514								1.3	1700	3.1	42.8	
NCS DC70009 (GBW07241) Cert				30	3.7	2.8	960.000	100.000	16.5	11.2	69.9	500.00								1.3	1701.000	3.1	41	
OREAS 100a (Fusion) Meas					16		160										22							
OREAS 100a (Fusion) Cert					18.1		169										24.1							
OREAS 101a (Fusion) Meas					45		410																	
OREAS 101a (Fusion) Cert					48.8		434																	
JR-1 Meas						< 20		30	17	2	16	255				15	3	0.9	< 0.2		1.1	20.8		
JR-1 Cert						1.67		30.6	16.1	1.88	16.3	257				15.2	3.25	0.031	0.028		1.19	20.8		
SAR-M (U.S.G.S.) Meas																								
SAR-M (U.S.G.S.) Cert																								
USZ 44-2007 Meas																							123	
USZ 44-2007 Cert																							126	
DNC-1a Meas																								
DNC-1a Cert																								
OREAS 13b (4-Acid) Meas																								

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Quality Control																						
Analyte Symbol	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Detection Limit	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1	
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	
GXR-1 Meas																						
GXR-1 Cert																						
NIST 694 Meas																						
NIST 694 Cert																						
DNC-1 Meas				5.1		0.59							2.0									
DNC-1 Cert				5.20		0.59							2.0									
GBW 07113 Meas																						
GBW 07113 Cert																						
GXR-4 Meas																						
GXR-4 Cert																						
SDC-1 Meas																						
SDC-1 Cert																						
SCO-1 Meas																						
SCO-1 Cert																						
GXR-6 Meas																						
GXR-6 Cert																						
LKSD-3 Meas	54.4	97.5		44.0	8.1	1.48		0.9	5.2				2.8	0.43		0.7				11.1	4.6	
LKSD-3 Cert	52.0	90.0		44.0	8.00	1.50		1.00	4.90				2.70	0.400		0.700				11.4	4.60	
W-2a Meas																						
W-2a Cert																						
OREAS 14P Meas																						
OREAS 14P Cert																						
SY-4 Meas																						
SY-4 Cert																						
CTA-AC-1 Meas	2200	3320		1150	166	46.7	133	15.1					10.7	1.15		2.5				23.6	4.2	
CTA-AC-1 Cert	2176	3326		1087	162	46.7	124	13.9					11.4	1.08		2.65				21.8	4.4	
Oreas 72a (4 Acid Digest) Meas																						
Oreas 72a (4 Acid Digest) Cert																						
BIR-1a Meas		1.7		2.4	1.0	0.51	2.0						1.6		0.6							
BIR-1a Cert		1.9		2.5	1.1	0.55	2.0						1.7		0.60							
NCS DC86312 Meas	2350	201		1600			231	34.7	194	36.8	102	14.3	87.9	12.7								
NCS DC86312 Cert	2360.000	190.000		1600.000			225.0	34.6	183.00	35.70	96.2	15.1	87.79	11.96								
ZW-C Meas															9.7	82.0	319					
ZW-C Cert															9.7	82	320					
NCS DC70014 Meas	48.8	94.6	10.4	37.7	7.8	1.67	7.5	1.1	6.6	1.3	3.6	0.54	3.4	0.52						27200		
NCS DC70014 Cert	45.3	87.0	10.8	39.9	8.0	1.8	7.4	1.1	6.7	1.3	3.5	0.57	3.3	0.50						27200.00		
NCS DC70009 (GBW07241) Meas	25.5	64.0	8.04	31.2	12.1		14.9	3.3	21.3	4.3	13.1	2.29	15.7	2.29						2200	28.6	
NCS DC70009 (GBW07241) Cert	23.7	60.3	7.9	32.9	12.5		14.8	3.3	20.7	4.5	13.4	2.2	14.9	2.4						2200.00	28.3	
OREAS 100a (Fusion) Meas	278	494	46.1	141	22.6	3.46	21.3	3.5	22.3	4.8	14.3	2.23	14.4	2.10							50.7	134
OREAS 100a (Fusion) Cert	260	463	47.1	152	23.6	3.71	23.6	3.80	23.2	4.81	14.9	2.31	14.9	2.26							51.6	135
OREAS 101a (Fusion) Meas	875	1440	134	387	48.3	7.98	39.8	5.5	32.5	6.5	19.4	2.84	18.0	2.56							36.6	422
OREAS 101a (Fusion) Cert	816	1396	134	403	48.8	8.06	43.4	5.92	33.3	6.46	19.5	2.90	17.5	2.66							36.6	422
JR-1 Meas				23.6	5.8	0.28		1.0				0.69	4.6	0.72	4.7	1.9		1.6	21	27.6	9.2	
JR-1 Cert				23.3	6.03	0.30		1.01				0.67	4.55	0.71	4.51	1.86		1.56	19.3	26.7	8.88	
SAR-M (U.S.G.S.) Meas																						
SAR-M (U.S.G.S.) Cert																						
USZ 44-2007 Meas																						
USZ 44-2007 Cert																						
DNC-1a Meas																						
DNC-1a Cert																						
OREAS 13b (4-Acid) Meas																						

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Quality Control																					
Analyte Symbol	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1
Analysis Method	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS

OREAS 13b (4-Acid)
Cert

DMMAS 111 Meas

DMMAS 111 Cert

USZ 42-2006 Meas

1660

USZ 42-2006 Cert

1600

1099204 Orig

1099204 Dup

791171 Orig

27.6 49.0 5.16 18.3 2.8 0.70 1.9 0.2 0.8 0.1 0.4 0.06 0.4 0.07 3.7 0.6 < 1 0.6 30 8.9 2.2

791171 Split

27.6 49.3 5.22 18.6 2.8 0.72 2.1 0.2 0.8 0.1 0.4 0.06 0.4 0.07 3.6 0.7 < 1 0.7 30 8.5 2.2

791171 Orig

27.5 49.8 5.14 18.4 2.8 0.72 2.0 0.2 0.9 0.2 0.4 0.06 0.4 0.07 3.7 0.6 < 1 0.6 30 9.0 2.2

791171 Dup

27.7 48.3 5.17 18.2 2.8 0.68 1.9 0.2 0.8 0.1 0.4 0.06 0.4 0.07 3.7 0.7 < 1 0.6 30 8.8 2.2

Method Blank

< 0.1 < 0.1 < 0.05 < 0.1 < 0.1 < 0.05 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.05 < 0.1 < 0.04 < 0.2 < 0.1 < 1 < 0.1 < 5 < 0.1 < 0.1

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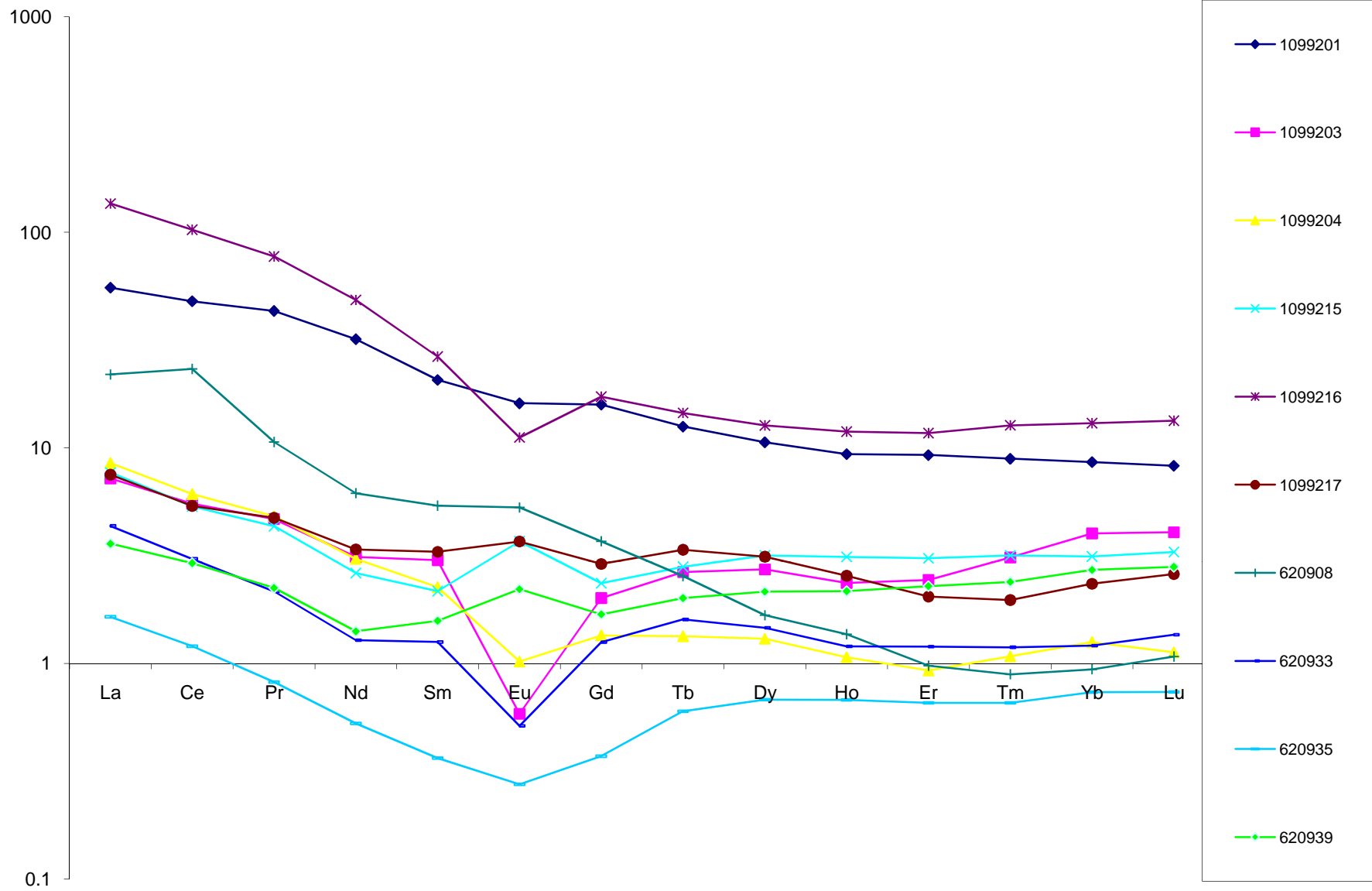
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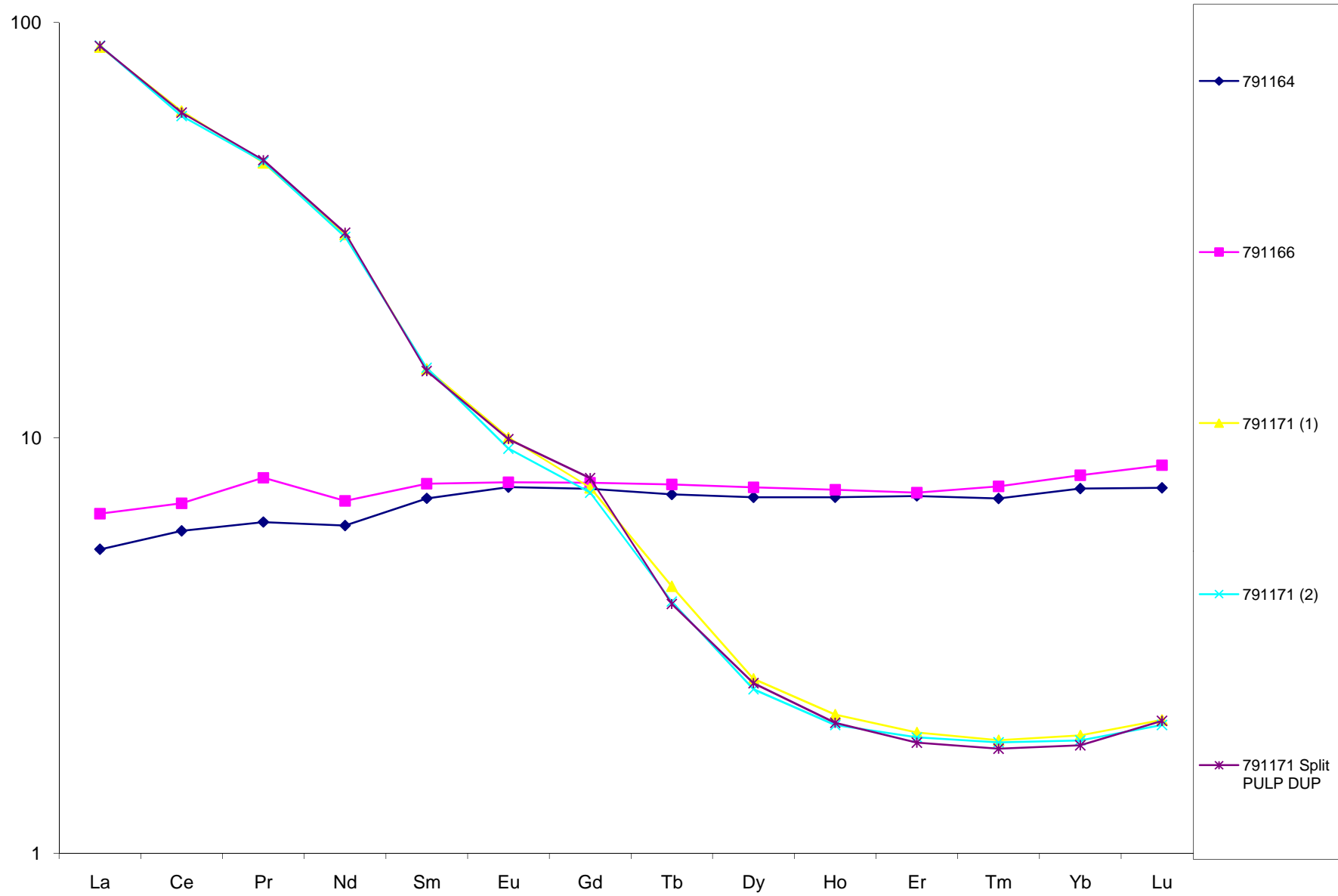
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< 0.1 < 0.1 < 0.05 < 0.1 < 0.1 < 0.05 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.05 < 0.1 < 0.04 < 0.2 < 0.1 < 1 < 0.1 < 5 < 0.1 < 0.1

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< 0.1 < 0.1 < 0.05 < 0.1 < 0.1 < 0.05 < 0.1 < 0.1 < 0.1 < 0.1 < 0.1 < 0.05 < 0.1 < 0.04 < 0.2 < 0.1 < 1 < 0.1 < 5 < 0.1 < 0.1







Date Submitted: 06-Nov-12
Invoice No.: A12-12399
Invoice Date: 19-Nov-12
Your Reference:

Golden Dory Resources
50 McCurdy
Gander NL A1V 1A2
Canada

ATTN: Mick Stares

CERTIFICATE OF ANALYSIS

73 Soil samples were submitted for analysis.

The following analytical package was requested: Code 1A2-Tbay Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT **A12-12399**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or
+1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com



Analyte Symbol	Au
Unit Symbol	ppb
Detection Limit	5
Analysis Method	FA-AA

1099202	< 5
1099205	< 5
1099206	5
1099207	< 5
1099208	52
1099209	< 5
1099210	< 5
1099211	< 5
1099212	< 5
1099213	< 5
1099214	< 5
791155	< 5
791156	< 5
791157	< 5
791158	7
791159	< 5
791160	< 5
791161	< 5
791162	< 5
791163	< 5
791165	5
791167	< 5
791168	< 5
791169	< 5
791170	< 5
791172	< 5
791173	< 5
791174	< 5
791175	< 5
791176	< 5
620907	< 5
620940	< 5
620941	< 5
620942	< 5
620943	< 5
620944	96
620945	19
620946	< 5
620947	< 5
620948	< 5
620949	< 5
620950	< 5
620909	< 5
620910	< 5
620911	< 5
620912	< 5
620913	< 5
620914	< 5
620915	< 5
620916	< 5
620917	< 5
620918	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Detection Limit	5
Analysis Method	FA-AA

620919	< 5
620920	< 5
620921	< 5
620922	6
620923	< 5
620924	< 5
620925	< 5
620926	< 5
620927	< 5
620928	< 5
620929	< 5
620930	< 5
620931	< 5
620932	< 5
620934	< 5
620936	< 5
620937	< 5
620938	< 5
791178	< 5
791179	19
791180	< 5

Quality Control

Analyte Symbol	Au
Unit Symbol	ppb
Detection Limit	5
Analysis Method	FA-AA

OxD87 Meas	443
OxD87 Cert	417.000
OxD87 Meas	455
OxD87 Cert	417.000
OxD87 Meas	431
OxD87 Cert	417.000
SF67 Meas	876
SF67 Cert	835.000
SF67 Meas	835
SF67 Cert	835.000
SF67 Meas	851
SF67 Cert	835.000
1099213 Orig	< 5
1099213 Dup	< 5
791163 Orig	< 5
791163 Dup	< 5
791176 Orig	< 5
791176 Dup	< 5
620911 Orig	< 5
620911 Dup	< 5
620921 Orig	< 5
620921 Dup	< 5
620931 Orig	< 5
620931 Dup	< 5
791180 Orig	< 5
791180 Dup	5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5

Appendix 5

Expenses

Contract Prospecting 41 man days @ \$400	\$16,400.00
Vehicle Mileage 3079km @ \$0.55	\$ 1693.45
Accomodations	\$ 1462.13
Meals	\$ 1322.64
Supplies	\$ 319.23
Assays-Soils	\$ 1332.25
Assays-Rock	\$ 1046.50
Report	\$ 812.50

Appendix 6

Rare Earth Element to Oxide Conversions + Lithium

Rare Earth Element to Oxide Conversions + Lithium

Sample #	Oxide (%)								
	Y2O3	La2O3	Ce2O3	Pr2O3	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb2O3
1099201	0.003	0.002	0.005	0.001	0.002	0.000	0.000	0.000	0.000
1099203	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000
1099204	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000
1099215	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000
1099216	0.003	0.005	0.010	0.001	0.003	0.001	0.000	0.001	0.000
1099217	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000
620908	0.000	0.001	0.002	0.000	0.000	0.000	0.000	0.000	0.000
620933	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
620935	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
620939	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
791164	0.002	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000
791166	0.002	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000
791171	0.001	0.003	0.006	0.001	0.002	0.000	0.000	0.000	0.000
	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	TREO *	LiO2	
1099201	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.004	
1099203	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.005	
1099204	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.014	
1099215	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.005	
1099216	0.000	0.000	0.000	0.000	0.000	0.000	0.025	0.011	
1099217	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
620908	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.008	
620933	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.003	
620935	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.003	
620939	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.001	
791164	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.015	
791166	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.031	
791171	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.006	

* TREO = Total Rare Earth Oxides

Maps

Sample Location Map – Root Lake Property Scale 1:10,000

