ASSESSMENT REPORT
ON THE
SEABROOK LAKE RARE METALS PROPERTY
DISTRICT OF SAULT STE MARIE NORTHWESTERN ONTARIO

NTS MAP SHEET 041O03

CLAIMS 4250198,1192293 & 4250199

2011 Field Program

Prepared for:

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1.0 Summary

The Seabrook Lake rare metals property, (the "Property"), consisting of 3 claim blocks, totaling 512 ha (32 claim units) in the Maeck township area, is located approximately 100 km north-east of Sault Ste. Marie, Ontario(Fig. 1).

Figure 1: Location of Seabrook Property, Ontario Canada

The Property covers the Seabrook Carbonatite Complex, an area that has undergone limited prospecting activity but which has seen the discovery of niobium (Nb) mineralization. The Property has also seen limited drilling and geophysical surveys.

The Property saw limited activity from 1955 to 1974, and then no exploration activity until 2009 when TNR Gold Corp and Mr. C. R. Hicks staked the property. Two brief field programs consisting of geological sampling and a soil orientation survey were undertaken in 2011, during Aug.23-27th and Oct.4-7th, respectively. The prospecting program was intended to collect a suite of lithological samples representing the carbonatite complex, confirm historical grades and identify possible sites of historical work. The orientation soil survey was designed to determine the contrast between background and geochemical anomalies in the A, B and C horizons in order to better design future exploration programs and surveys of the property. The orientation survey was essentially a calibration for future work.

2.0 Introduction and Terminology

This report describes the work done during the summer and fall 2011 exploration program and presents the results of this work. It recommends a small drill and trenching program following a combined soil survey and lithogeochemical survey.

New work described in this report is based on:

1) Exploration records from Coast Mountain Geological Ltd.

2) Analytical results provided by ALS-Chemex, the minerals division of the ALS Laboratory Group.

3) Pubic data archived at the Ministry of Northern Development, Mines and Forestry, Sudbury Ontario and online.

4) The experience of the author on the property.

2.1 Abbreviations and Units

***Table 1**: Abbreviations and SI Units used in the report.*

Abbrev.	Long Form	Notes
K	Potassium	Alkali metal
Li	Lithium	Alkali metal
Na_2O	Sodium Oxide	
Nb	Niobium	Transition metal
Nb_2O_5	Niobium pentoxide	
Rb	Rubidium	Alkali metal
Rb_2O	Rubidium Oxide	
Ta	Tantalum	Transition metal
Ta_2O_5	Tantalum pentoxide	
REEs	Rare earth elements	Lanthanides Series: La, Ce, Pr, Nd, Pm, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu; Yttrium (Y) and Scandium (Sc) are not part of this series but generally included with the REEs due to geochemical similarity

Abbrev.	Long Form	Notes
Ga	Billion years	Widely used abbreviation in geochronology
Ma	Million years	Widely used abbreviation in geochronology
SI Units	**Long Form**	**Notes**
ppb	Parts per billion	
ppm	Parts per million	
t	tonne (long)	1 long tonne equals to 1,016.046 kg
kg	Kilogram	1 kg equals to 2.204 lbs (pounds)
G	Gram	31.103 476 grams equal to 1 troy ounce
km	Kilometer	1 km equals to 0.621371 mile
M	Metre	1 m equals to 3.280 feet
cm	Centimeter	2.54 cm equal to 1 inch
mm	Millimeter	25.4 mm equal to 1 inch
ha	Hectare	1 ha equals to 2.471054 acres
16 ha	16 hectares	Typically an area of 1 claim unit
wt.%	Weight percent	

Table 2*. Oxide Conversion Factors.*

Element	Conversion Factor	Weight % Rare Element Oxide
Niobium (*e.g.,* 325 ppm Nb)	1.431	325 ppm = 0.0325% x 1.431 = 0.0465 wt% Nb_2O_5
Tantalum (*e.g.,* 755 ppm Ta)	1.221	755 ppm = 0.0755% x 1.221 = 0.092 wt% Ta_2O_5
Cesium (*e.g.,* 500 ppm Cs)	1.060	500 ppm = 0.05% x 1.060 = 0.053 wt% Cs_2O
Rubidium (*e.g.,* 15000 ppm = 1.5% Rb)	1.099	1.5% x 1.099 = 1.65 wt% Rb_2O

2.2 Carbonatite Minerals

Carbonatite is a rare igneous rock type with a composition of greater than 50% carbonate minerals. Carbonatites have highly variable mineralogy that may include calcite, apatite, hematite, magnetite, riebeckite, pyrochlore and other rare minerals that may contain REE's, niobium-tantalum, uranium and thorium (Berger et al., 2009).

Table 3*. List of carbonatite minerals found in Ontario*

Mineral	Simplified Composition	Chemical Formula
Apatite	Ca-Phosphate	$Ca_2(PO_4)_3(F,Cl,OH)$
Hematite	Iron(III) Oxide	Fe_2O_3
Magnetite	Iron (II,III) Oxide	Fe_3O_4
Barite	Barium Sulphate	$BaSO_4$
Fluorite	Calcium Fluoride	CaF_2
Calcite	Carbonate	$CaCO_3$
Riebeckite	Na-Amphibole	$[Na_2][(Fe^{2+})_3(Fe^{3+})_2][(OH)_2\|Si_8O_{22}]$
Pyrochlore	Nb-Ta Oxide	$(Na,Ca)_2Nb_2O_6(OH,F)$

3.0 Description and Location

3.1 Location and Access

The Property is situated within the Algoma district in Ontario's Sault Ste. Marie Mining District and is composed of 3 unpatented claim blocks (512 Ha). Located 100 km NE of Sault Ste. Marie, it is centered at UTM coordinates 324592 E, 5206713 N(NAD83, Zone17N). The Property is on the western extent of Seabrook Lake and covers the majority of Ogster Lake and Besley Lake. The claim falls on NTS map sheet 041O03.

Access to the property is by vehicle and boat by taking Hwy. 129 north from Thessalon, ON, then turning west onto a gravel road at Aubrey Falls. This road continues to Tidy Bay, where a boat can be launched to Camp Island, in the eastern portion of the claims.

Fig. 2: Seabrook claim block measuring 3.1km x 1.6km (Google Maps image)

Fig. 3: **Seabrook Claims with scale bar and claim numbers**

3.2 Past Exploration Activity

In 1955, four diamond drill holes were drilled, totaling 173m on former claims SSM 27730, 27724 and 27713 to test for niobium mineralization. Assays reported by Bussineau from the four holes indicated trace to undetectable amounts of niobium, known as columbite(Cb) at the time. Bussineau also completed trenching that resulted in 4 grab samples assaying 0.6%, 1.5%, 4.7% and 10.3% (by weight) Nb_2O_5 respectively.

In 1957, Tarbutt Mines Ltd. completed a magnetometer survey on the Seabrook Carbonatite Complex in addition to 3 diamond drill holes on SSM 42727, for a total of 37.1m, encountering carbonatite, fluorite, pyrite and siderite associated with diabase.

On claim SSM 42908, the company completed two holes totaling 16.7m that encountered granite and diabase. One hole on claim SSM 42909, 8.4 m in length, also encountered granite and diabase. Five additional holes were drilled on claim SSM 42910 for 49.5m, which also encountering granite and diabase.

In 1971, Canpec Minerals Ltd. and Gunnex Ltd. undertook a joint exploration program for niobium. The companies cut a grid and completed geological, geochemical, magnetometer and scintillometer surveys.

These surveys indicated anomalous niobium values along the margins of the complex. The companies also reported values for 88 rock samples, recorded in their assessment report. A diamond drilling program was recommended but not completed. International Minerals and Chemical Corporation undertook a geological survey using the Canpec-Gunnex grid. Their focus was P_2O_5 and work was terminated due to discouraging results.

Table 4. *Seabrook Lake Property Claim Information*

Claim	Units	Area (ha)	Township	Effective Date	Anniversary	Work Required
4250198	10	155	Maeck	7-10-2009	6-04-2012	$4,000
1192293	9	143	Maeck	1-10-2009	6-04-2012	$3,600
4250199	13	202	Maeck	7-10-2009	6-04-2012	$5,200

4.0 Exploration

From Aug. 23rd-27th, J. Harrop and Dr. Fred Breaks, collected a series of characterization samples of the property lithology aided by a portable scintillometer. In addition, they attempted to locate previous workings from features on historical maps of the area. During Oct. 4th-7th, R. Dammeier, CMG geologist, and A. Hewlett, CMG geotechnician, completed an orientation soil survey.

Rock sample sites are shown in the following map. Sample descriptions and analyses are shown in appendices at the end of this report.

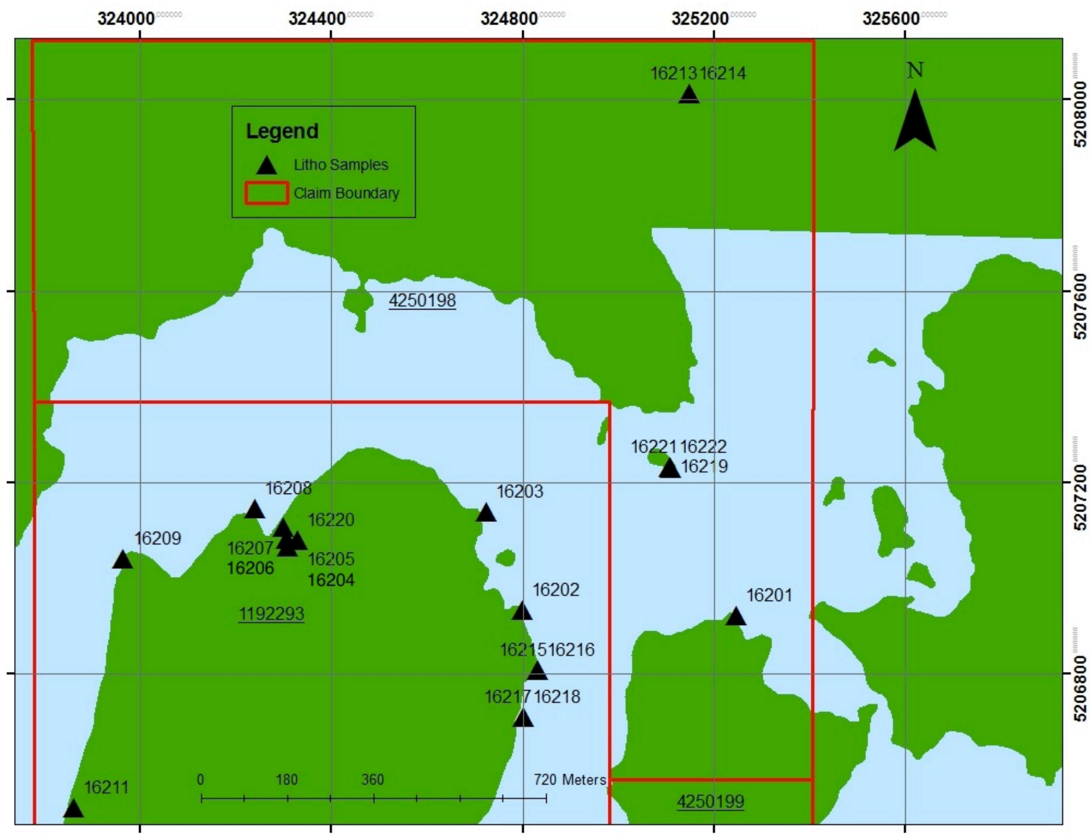


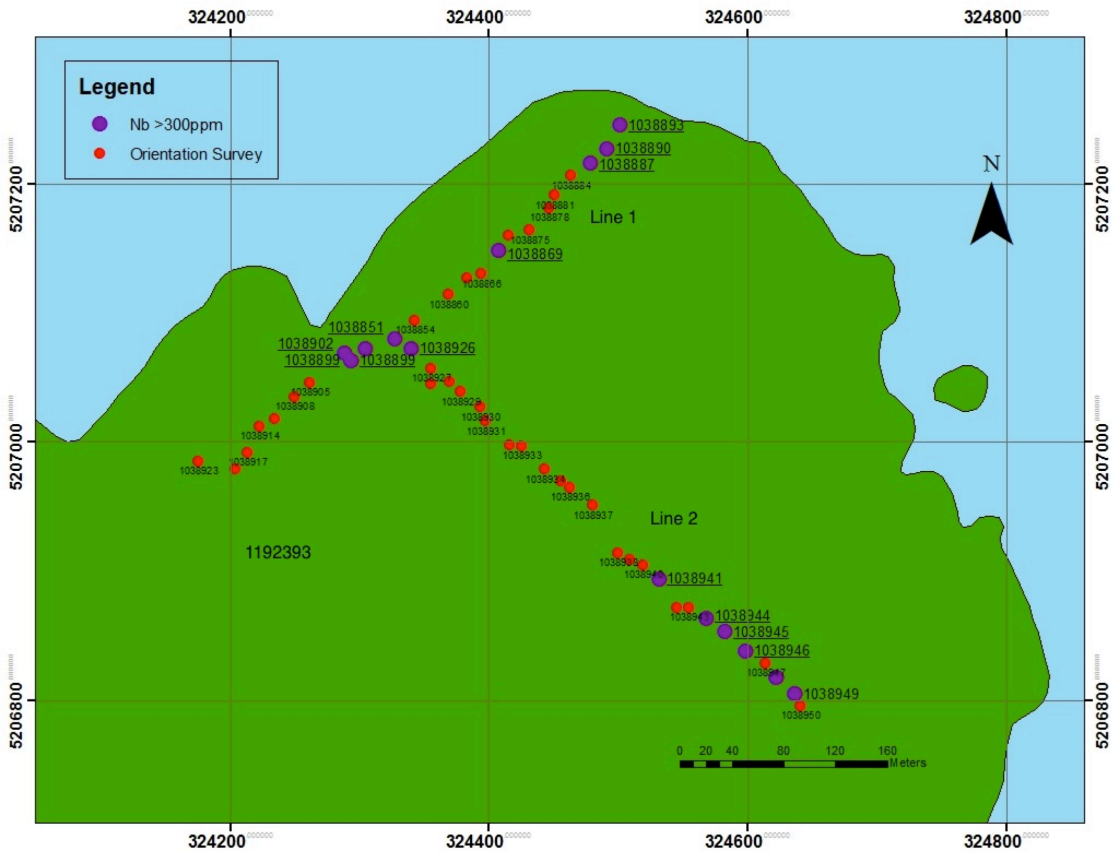
Fig. 4: **Lithogeochemical sample locations**

4.1 Soil Survey

An orientation soil survey was conducted to determine the contrast between soils derived from areas of anomalously high REM mineralization and background. Also, the survey highlighted the contrast found amongst the three soil horizons. Two perpendicular lines were sampled, with the junction at an historical working identified during the survey in August. The first soil line was oriented SW-NE across the peninsula central to the claims, and samples were collected from the A, B and C horizons with a gardening trowel. Approximately 500 grams of soil were placed in a kraft bag, which was folded shut and labeled with permanent marker. Each sample had GPS location, soil colour, moisture content and horizon recorded.

Generally, horizon A was reddish/brown in colour and silty in grain size. Horizon B was a tan brown colour and consisted of silty/clay sized particles and Horizon C was light grey and dominantly clay. At most stations, these three horizons were visually distinct, however, at a few stations the three soil horizons were difficult to distinguish. In these cases it is probable that horizons labeled B and C were actually the same stations, these three horizons were visually distinct, however, at a few stations the three soil horizons were difficult to distinguish. In these

Fig. 5: Orientation soil survey lines with samples over 300ppm Nb2O5 noted.



cases it is probable that horizons labeled B and C were actually the same horizon. The similarity in metal content between the horizons reflects this. Care should be taken in future soil sampling programs to ensure 3 distinct soil horizons are visible before sampling takes place. This would require deeper pits (~30-40cm or deeper) for a more complete profile.

The second line, perpendicular to the first, had identical methodology, except only the B horizon was sampled. Care was taken to keep the samples free from organic matter, such as leaves or small twigs.

The soil survey was successful in discovering new areas of REM mineralization, particularly areas of high Nb content, as shown on the figure above. The area to the SE, which contains a string of samples that contain greater than 300 ppm Nb2O5, represents a new area of interest for the property as it expands the areas of known Nb mineralization.

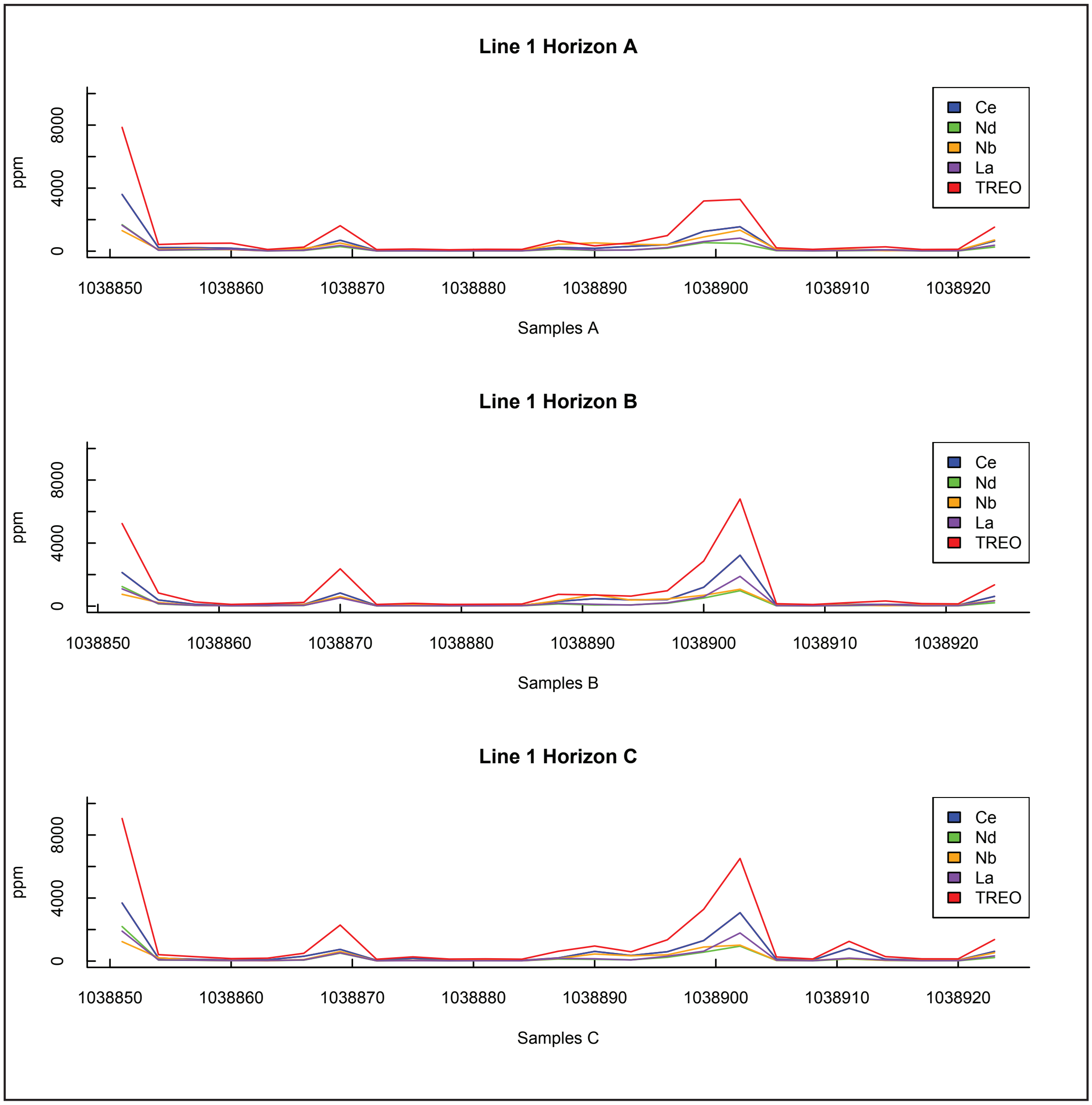


Fig.6: Soil results by horizon, Line 1.

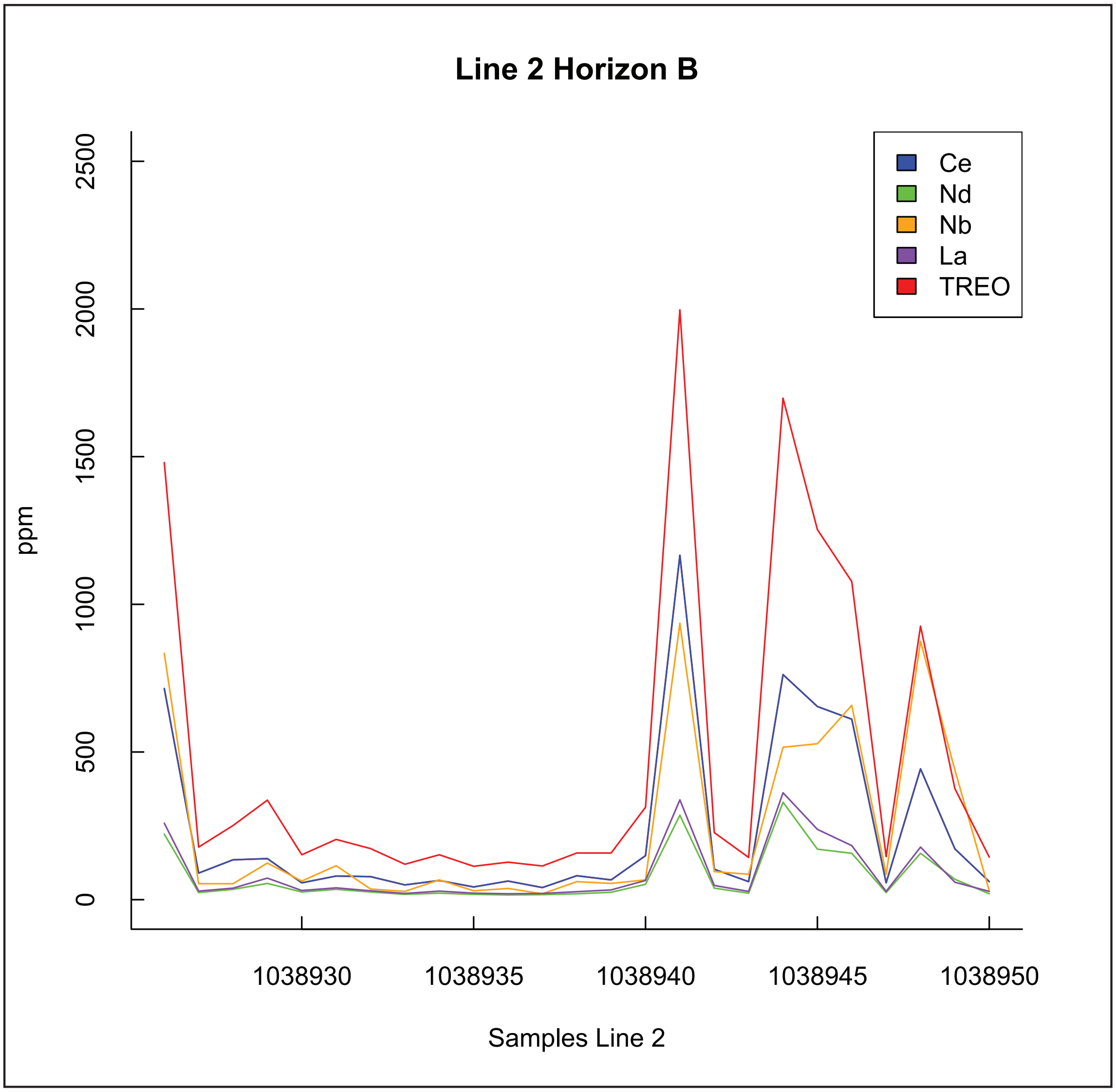


Fig. 7: **Soil results by horizon, Line 2**

4.2 Analyses

All samples were subjected to the ALS Chemex Prep-41. In this procedure, samples are dried at no greater than 60ºC, then sieved to 180 microns with the plus fraction retained.

For geochemical analyses of soil samples, ALS Chemex's ME-MS81 package with a 2 acid (4%HNO_3/2%HCL) digestion was used. This method uses a minimum 0.200g prepared sample added to 0.90g Lithium metaborate flux, which was then mixed well and fused in a furnace at 1000ºC. It utilizes an ICP-MS which is capable of determining the concentrations of 70+ elements simultaneously by the measuring the mass/charge ratio of ions generated in an argon plasma heated to 8000ºC, then passed through a magnetic quadrupole detector. It is capable of ultra low detection limits (ppb to ppt) with a wide range, up to 7 orders of magnitude.

4.3 Soil Security

Soil samples were brought back to camp (island) and placed in a rice bag at the end of each day. Upon completion of the program on Oct. 7th, the samples were driven to the Sudbury ALS Chemex preparation facility and delivered by R. Dammeier.

4.4 Quality Assurance/Quality Control

As this stage of exploration, the author of this report felt there was no need for duplication of the soil sample results or to use standards and blanks within the soil sample chain. Any errors most likely resulted from the inadvertent mixing of soil horizons at the time of collection. In future soil sampling programs, care will be taken to ensure that soil horizons are sampled discretely. This will be accomplished by ensuring that soil pits are deep enough so that all horizons are clearly visible. Material that is known to be absent of REE and REM will be used as a blank to verify lab procedures.

4.5 Sample Locations

The locations shown the map are taken from a handheld GPS unit, while the spacing between the samples was determined using a hip chain. This has resulted in a real but small discrepancy between the recorded coordinates and the actual coordinates of the sample. However, all GPS locations had a very minimal RMS error (typically ±3) and will be used to graphically represent the location of the soil samples for the purposes of this report.

5.0 Deposit Type

REE's, with Li, Nb and Ta, are currently being explored for in Ontario. The REE's, the elements numbered 57-71, from lanthanum to lutetium plus scandium and yttrium, are relatively abundant despite their name. In the past 25 yrs, demand for the REE's has significantly increased because of their wide applications in high technology electronics (Verplanck, 2011).

Carbonatites, along with alkaline intrusive complexes and the weathering products of these geological features are the most important source of REE's. A wide variety of commodities have been commercially exploited from carbonatite and alkaline igneous rocks, such as REE's, niobium, phosphate, titanium, zirconium, fluorite, uranium and thorium.

Carbonatites are igneous rocks that contain more than 50% primary carbonates. They may form central plugs within zoned alkalic intrusive complexes, or as dykes, sills, breccias and veins. Typical rock types associated with carbonatites are ijolite, pyroxenite and nepheline syenite. Any rock type, including granite and other intrusive rocks, gneiss and other metamorphic rocks may host the alkaline igneous complexes. Host rocks are often fenitized (alkali metasomatized) by alkali rich fluids evolved from carbonate complexes (Sage, 1988)

Carbonatite and carbonatite alkaline igneous complexes are located in stable, intra-plate regions, often within Precambrian shield or continental platform areas.

Ore minerals, such as pyrochlore, monazite and bastnaesite, may be disseminated thoughout a large body of carbonatite or may be present in bands and concentrated in certain intrusive, alteration or breccia zones, or in carbonatite dykes and sills (Sage, 1988).

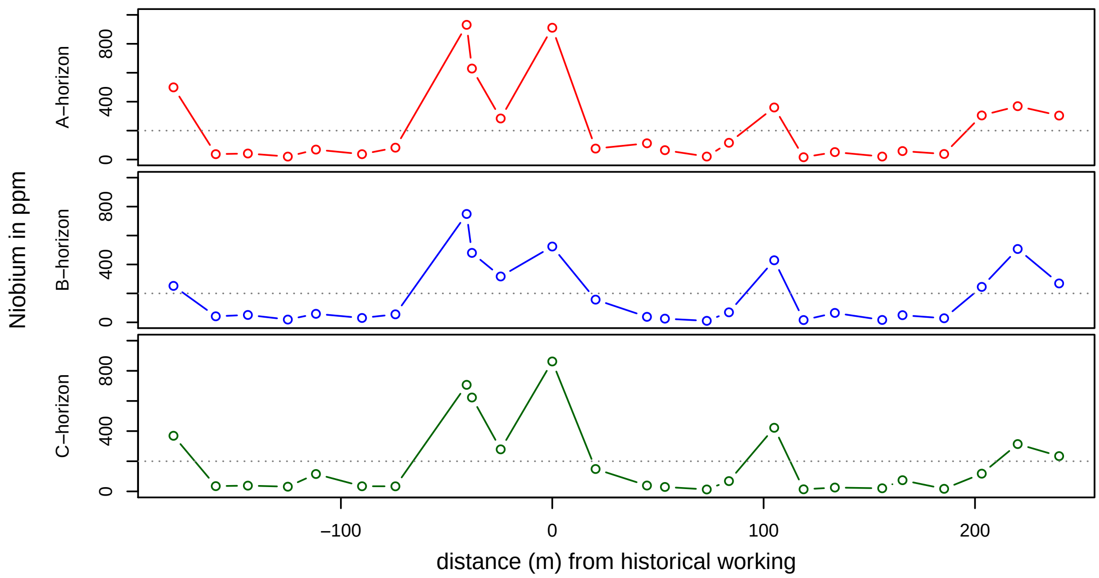
6.0 Interpretations and Conclusions

The Seabrook Carbonatite Complex lies within the Abitibi Subprovince of the Superior Province of the Canadian Shield. The complex consists of predominately two rock types, carbonatite and ijolite and is bordered by fenitized granite – an alteration of the host granite due to reaction with the intruding carbonatite. Based on the mapping of Sage (1988), the majority of the orientation survey was over areas underlain by sovite and silicocarbonitie. Line 2 may have samples derived from ijolitic rocks toward the southeast end of the line. Line 1 may have some samples derived in part from fenitized granite. Soils in the area of the property have not been mapped in detail, however 1:250,000 scale mapping indicates the area contains ortho humoferric podzols. This scale of mapping cannot differentiate changes in the soil that may occur over the carbonatite complex due to changes in the chemistry of the parent material.

The purpose of the orientation survey was to test the geochemical contrast between anomalous and background areas of the Seabrook property. The location and orientation of the survey was designed to go from a known anomalous area into an area believed to be relatively low in REM mineralization. The results assist in design and planning of future exploration work, particularly soil surveys. The area close to sample 1038851 and the junction of the two lines is a known area of anomalous REM mineralization according to both historical reports and the soil survey itself. Samples taken from this area during the Breaks and Harrop campaign of 2011 also contain anomalously high REM values.

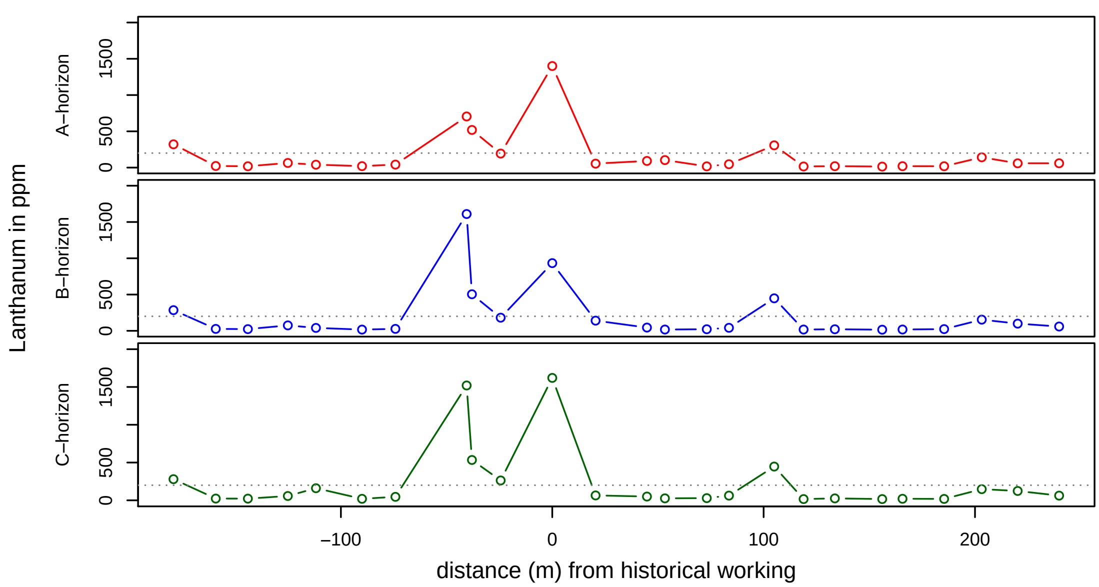
The results of the orientation survey highlight the uniformity of the metal distribution of the three horizons, though this could be at least in part due to mixing horizons at the time of sampling.

Niobium in A, B & C–horizons
Line #1

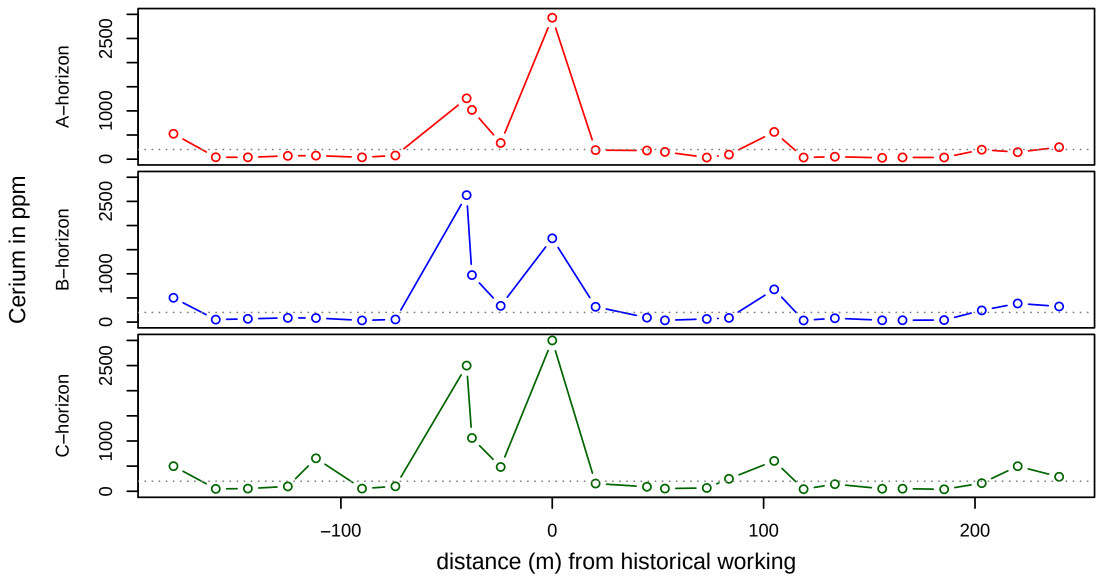


There is little to separate the contrast for niobium seen in the three horizons. Marginally, the A-horizon samples show greater contrast and may better discriminate samples close to the anomalous threshold.

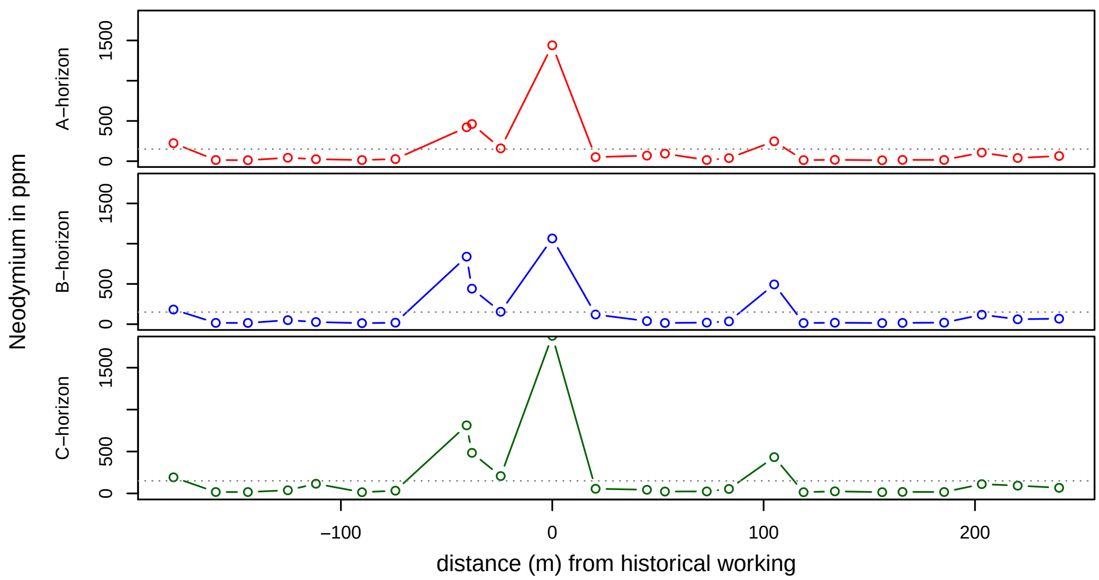
Lanthanum in A, B & C–horizons
Line #1



Cerium in A, B & C–horizons
Line #1



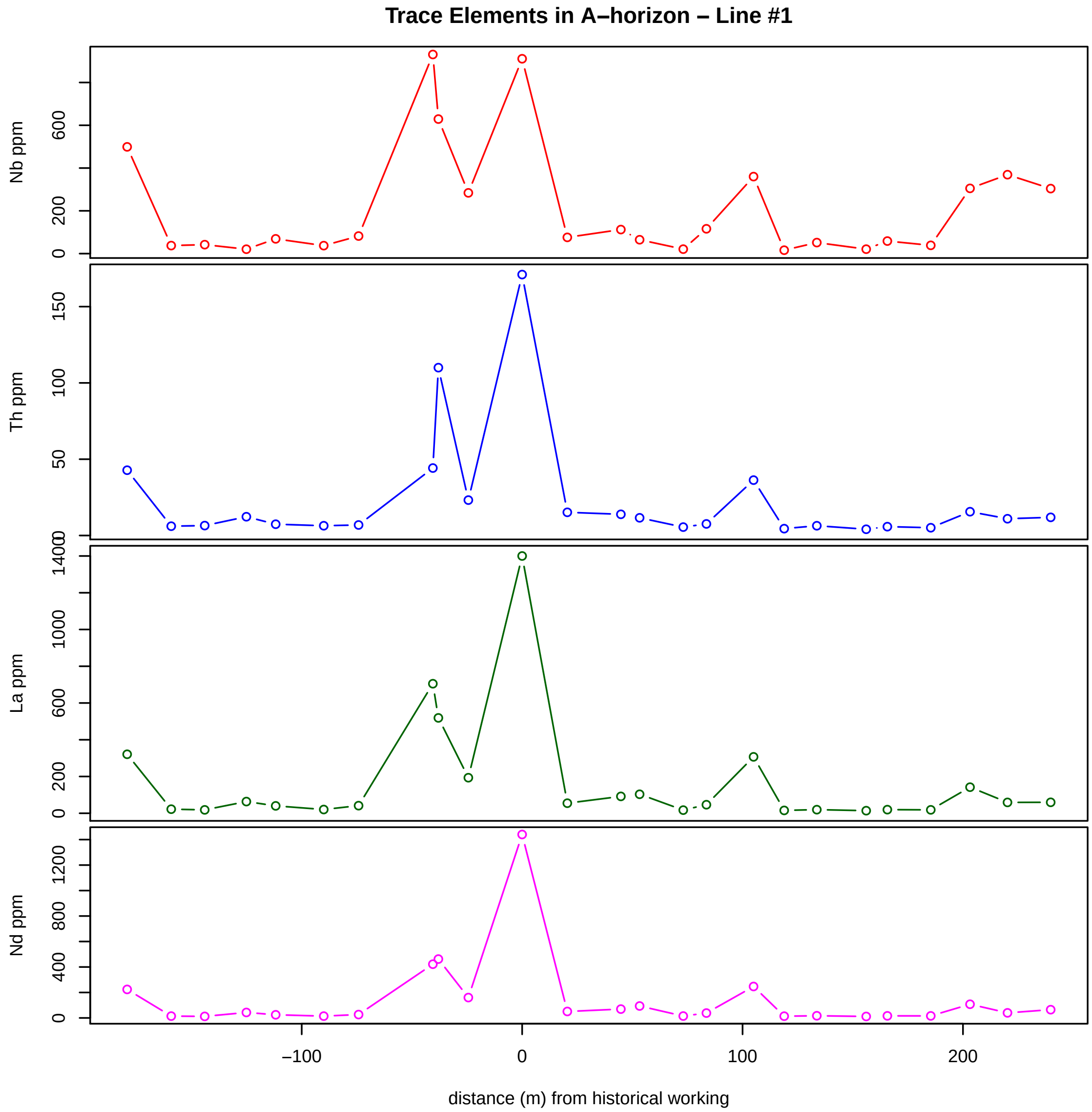
Neodymium in A, B & C–horizons
Line #1



As with niobium, the three REEs lanthanum, cerium and neodymium show similar response in the three sampled horizons. Variations between the horizons do not present a clearly preferred horizon for anomaly discrimintation.

The orientation soil survey has exposed several areas of potential mineralization, when compared to limited existing historical data.

Notably, the area around samples 1038941 to 1038949 define an area of at least 300 ppm Nb2O5. This area partially overlaps with another known area of Nb mineralization, as defined in the 1955 soils sampling grid.



Two styles of mineralization may be tentatively identified in the above profiles. Combined Nb+REE mineralization dominates anomalies along the line. However, at the right side of the figure the line ends in a Nb anomaly without associated REEs.

Overall, the lithogeochemical sampling combined with soil sampling has proved successful in confirming historical grades of Nb and REE's while exposing new areas of mineralization that are excellent starting points for future exploration. Though the property has seen limited exploration in the past, all zones of mineralization have not yet been delineated.

Photo illustrating a soil sampling pit and the difficulty in identifying horizons.

7.0 Recommendations

Based on the positive results from the 2011 exploration programs, follow up work culminating in a 1500 metre drill program is recommended.

1. A grid cut to facilitate a litho-geochemical survey over the main peninsula within the central claim. Systematic sampling of outcrops along the grid would allow for a better understanding of the genesis and vectoring of rare metal mineralization on the property. Whole rock analysis should also be included for selected samples. Structure should also be noted for drill targeting.

2. Further examination of historic workings and trenches to confirm grade and mineralogy. This incudes work done to the north of Camp Island where high Nb2O5 values were taken.

3. Full compilation of all data, historic and present in order to plan a 1500 metre drill program the most effectively. Special attention should be paid to the central carbonatite unit.

8.0 References

Berger, V.I., Singer, D.A., and Orris, G.J., 2009, Carbonatites of the world, explored deposits of Nb and REE— database and grade and tonnage models: *U.S. Geological Survey Open-File Report 2009-1139*, 17 p. and database [http://pubs.usgs.gov/of/2009/1139/].

Sage, R.P.,1988: Geology of Carbonatite Alkalic Rock Complexes in Ontario: Seabrook Lake Carbonatite Complex, District of Algoma; *Ontario Geological Survey, Study 31*, 45p.

Verplanck, P.L., and Van Gosen, B.S., 2011, Carbonatite and alkaline intrusion-related rare earth element deposits-A deposit model: *U.S. Geological Survey Open-File Report 2011 1256*, 6 p.

Sample #	Lithology	Sample type	Easting	Northing	Description	%K	U (ppm)	Th (ppm)	
16201	biotite granite	grab	325246	5206922	Deep pink, cg with small pods of potassic pegmatite that grade into granite host. No fenite textures or minerals observed. Rock type is identical to 2642 Ma Cartier granite to the east.	5.2	4.6	21.8	outcrop
16202	carbonatitic breccia	chips across 20 cm from ijolite breccia matrix	324799	5206934	Small outcrop of excellent example of carbonatitic breccia and calciocarbonatite. Same exposure photographed in Sage (1988, p. 11). Rock is strongly magnetic and heterolithic with a high % of angular to subrounded clasts. These include large clasts of pink granite similar to the exposures of cg granite in the region but with virtually no quartz due to fenitization via carbonatite-related fluids. Matrix of breccia is mafic, nepheline-bearing ijolite. Calciocarbonatite is light pink due to unknown mineral that protrudes on WS but this unit was not submitted for analysis.	2.4	7	65.9	outcrop
16203	carbonatitic breccia	spectral assay	324723	5207138	Nice clean, flat outcrop and best seen along entire shoreline. Breccia with 5-10% clasts of deformed fg black ijolite contained in the magmatic flowage foliation of dominant calciocarbonatite unit	2.3	19.6	37.4	outcrop over fg large granite clast in breccia unit
	calciocarbonati te	grab	324723	5207138	Calciocarbonate, cg, with flowage foliation and 15% light pink unknown mineral that protrudes on WS (weathered surface). Non magnetic	1.1	3.6	30.9	calciocarbonatite in outcrop, 1 m from sample site
	calciocarbonati	spectral assay	324723	5207138	Foliated calciocarbonatite	0.3	8.7	15.8	outcrop

16204	ferrocarbonatite?	grab	324309	5207066	Small moss covered outcrop with deep red, hematite-rich ?ferrocarbonatite. Sample within the 90 by 90 m of hematite-rich carbonatite described by Sage (1982) and Parsons (1961)	1.5	4.2	10	hand specimen
16205	ferrocarbonatite?	grab	324328	5207080	Sparse exposure in old trenches excavated in soil. Rock sample was dug out of bottom of one of numerous trenches in area. Approx 1000 cps with spectrometer over trench bottom. Rock is aphanitic with intense red colouration and is quite heavy, non-magnetic with approx 80% hematite	1.8	1.5	35.3	hand specimen
16206	ferrocarbonatite?	grab sample collected from area of abundant angular pieces of identical rock at shoreline	324305	5207081	Massive, fg-cg, ferrocarbonatite with 60% hematite and non-magnetic. Thin calcite veinlets, 1-5 mm width crosscut the hematite alteration in at least two different orientations.	1.6	1.9	14.6	hand specimen
16207	ferrocarbonatite?	grab	324299	5207106	Massive, fg-cg, hematite-rich carbonatite with 5% unknown mineral that protrudes on WS	1.9	3.3	8.1	hand specimen
16208	ferrocarbonatite?	grab	324240	5207145	Poorly exposed outcrop at shore. Ijolite invaded by hematite-rich carbonatite. Massive,fg-cg and non magnetic.	2	3	16.5	hand specimen
16209	calciocarbonatite	grab	323965	5207040	Ijolite invaded by hematite-bearing carbonatite veins. Carbonatite unit is fg, massive and light pink to light orange on WS	1.3	1.4	11.2	hand specimen
16211	ferrocarbonatite?	grab	323862	5206520	Small outcrop exposed near shoreline but obscured by vegetation. Red angular rubble of same rock occurs at the shore. Massive, quite heavy possible ferrocarbonatite that is hematite-rich and non-magnetic. Rock contains 1-2% of an unknown blue mineral	1.5	3.3	10.1	hand specimen

16213	ferrocarbonatite?	grab	325147	5208013	3-5 m wide zoned carbonatite dyke in granite 1 km northeast of Seabrook Lake body. Specimen is heavy, massive, cg, possible ferrocarbonatite. Non-magnetic and has distinctive texture due to a box-work of randomly oriented calcite blades up to 5 cm in length. This dyke could represent a cone sheet that typically envelop carbonatite intrusive complexes.	1.4	10	13.8	hand specimen
16214	ferrocarbonatite?	grab	325147	5208013	1m wide zone adjacent to sample taken at locality 16213. Massive, cg, heavy, crumbly weathered, non magnetic ferrocarbonatite with approx 60% orange-brown mafic minerals and remainder comprises white calcite, magnetite, and green pyroxene.	1.5	7.1	18.9	hand specimen
16215	Ijolite	grab	324831	5206808	Small outcrop near shoreline. Dark weathered, massive mafic rock, fg-cg with calcite, biotite and possible nepheline. Modest radioactivity and near RA occurrence on map of Sage (1988) but little radioactivity was detected with the spectrometer.	5.1	15	63.1	outcrop
16216	calciocarbonatite	grab	324831	5206808	Calciocarbonate, mg-cg, in sharp intrusive contact with older ijolite unit. Non-magnetic and modest radioactivity	1.5	8.4	52.9	outcrop
16217	Potassic fenitized granite	grab	324800	5206709	Classic potassic fenite produced from metasomatism of enclosing granite. The granite is deep red, massive, cg with only a trace of quartz and intensely fractured. The fractures contain coatings of an unknown blue mineral that could consist of riebeckite.	6.6	4.3	26.1	outcrop taken 5 m from carbonatite dyke

16218	Carbonatite	grab	324800	5206709	20 cm wide carbonatite dyke that crosscuts the fenitized granite of sample 16217. Massive, fg, chocolate-brown on fr+F24esh surface. Local patches of limonite and <5% phenocrysts of blue-green pyroxene occur in the dyke	2	0.3	16.2	hand specimen
16219	Potassic fenitized granite	grab	325109	5207230	Small island immediately north of Seabrook Lake body. Main rock type is mg-cg massive but highly fractured deep pink granite. Narrows dykes of carbonatite (5 cm) and possible lamprophyre (20-50 cm) and thin, fg, hematite-rich veins crosscut the granite. Adjacent to the carbonatite dykes, the granite was transformed into a brick red potassic fenite with 5% unknown green mineral (?aegerine) and no visible quartz. Late fractures coated with a fg black mineral (?tourmaline) cut the hematite-rich veins.	3.8	29.7	132.2	outcrop and on fenitized granite immediately adjacent to thin carbonatite vein
	Granite with apparent absence of fenitization	spectral assay	325109	5207230		3	7.9	24.4	outcrop on relatively unaltered granite about 2 m from carbonatite vein
	Granite approx 1 m from possible	spectral assay	325109	5207230		1.7	1.9	24.4	outcrop approx 1m from possible lamprophyre vein
16220	Split duplicate	Split duplicate of hematite-rich	324328	5207080					
16221	Lamprophyre?	grab	325106	5207232	Black fg mafic rock and with pitted weathered surface.	2.2	1.5	11	hand specimen
16222	Carbonatite	grab	325106	5207232	Carbonatite vein up to 5 cm thickness and magmatic flow foliated.	2.4	5.9	56.3	outcrop

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **TNR GOLD CORP.**
620-650 WEST GEORGIA STREET
VANCOUVER BC V6B 4N9

Finalized Date: 5-OCT-2011
This copy reported on 11-OCT-2011
Account: TNRGOC

CERTIFICATE SD11171947

Project: SEABROOK
P.O. No.:
This report is for 23 Rock samples submitted to our lab in Sudbury, ON, Canada on 29-AUG-2011.

The following have access to data associated with this certificate:

FRED BREAKS MIKE SIEB	JOHN HARROP	GARY SCHELLENBERG

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP06	Whole Rock Package - ICP-AES	ICP-AES
OA-GRA05	Loss on Ignition at 1000C	WST-SEQ
ME-MS81	38 element fusion ICP-MS	ICP-MS
TOT-ICP06	Total Calculation for ICP06	ICP-AES

To: **TNR GOLD CORP.**
ATTN: JOHN HARROP
620-650 WEST GEORGIA STREET
VANCOUVER BC V6B 4N9

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **TNR GOLD CORP.**
620-650 WEST GEORGIA STREET
VANCOUVER BC V6B 4N9

Finalized Date: 5-OCT-2011
Account: TNRGOC

Project: SEABROOK

CERTIFICATE OF ANALYSIS SD11171947

Sample Description	WEI-21	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
Analyte	Recvd Wt.	Ag	Ba	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Ga	Gd	Hf	Ho
Units	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LOR	0.02	1	0.5	0.5	0.5	10	0.01	5	0.05	0.03	0.03	0.1	0.05	0.2	0.01
16201	1.08	<1	647	23.6	0.8	10	1.50	<5	0.77	0.37	0.29	17.2	1.03	1.3	0.13
16202	0.59	9	4470	421	69.0	410	1.66	94	12.00	4.67	8.64	16.7	20.9	5.6	1.88
16203	1.26	6	679	1055	7.4	10	<0.01	6	19.30	6.46	20.0	7.5	45.4	14.4	2.93
16204	2.39	26	273	1730	7.4	40	<0.01	<5	41.3	9.86	38.3	8.1	93.0	3.4	5.15
16205	1.42	8	8510	2760	29.0	90	<0.01	11	21.0	4.77	37.1	15.0	69.3	1.3	2.61
16206	1.46	4	318	1580	18.0	60	0.04	9	23.3	7.80	27.3	7.2	58.2	2.1	3.38
16207	1.43	2	567	1095	13.7	70	<0.01	10	14.45	5.59	13.40	7.2	26.7	0.3	2.29
16208	1.60	10	2060	930	40.2	320	0.07	56	9.74	4.62	8.21	21.3	18.25	5.4	1.60
16209	1.18	6	1895	950	30.8	430	0.11	42	12.95	6.10	10.20	12.3	23.5	7.2	2.19
16210	0.06	1	192.5	22.8	1.1	40	2.40	<5	2.26	1.51	0.28	19.9	1.92	1.0	0.44
16211	0.97	5	132.5	1090	10.6	60	<0.01	5	7.37	2.35	10.75	5.1	19.70	0.3	1.07
[redacted]															
16213	1.73	4	676	547	19.7	<10	<0.01	14	29.8	13.70	13.60	3.5	37.5	2.3	5.08
16214	1.85	6	1220	704	4.9	<10	<0.01	<5	21.0	8.91	12.20	3.9	30.9	1.1	3.51
16215	1.93	<1	933	432	32.6	50	1.90	103	17.10	5.81	11.30	18.7	27.9	7.8	2.86
16216	0.97	<1	246	881	8.4	<10	0.01	25	16.75	5.24	16.95	9.2	34.9	0.5	2.70
16217	1.16	<1	1035	400	3.7	10	1.09	<5	10.55	3.38	5.87	18.8	16.05	2.8	1.72
16218	0.76	<1	619	630	42.2	440	1.57	51	33.0	11.00	16.35	17.4	48.7	6.6	5.20
16219	0.89	<1	3210	252	2.6	10	1.33	<5	11.75	4.65	4.15	48.8	15.50	7.0	1.98
16220	0.64	<1	6830	2410	30.6	90	0.07	6	20.0	4.38	35.3	18.2	65.9	1.4	2.59
16221	0.99	<1	695	230	75.6	540	1.49	69	6.88	2.10	5.96	17.0	15.50	5.2	0.97
16222	0.21	<1	1560	1060	17.7	40	0.88	11	44.5	15.85	24.3	16.3	68.7	1.9	7.06
16223	0.07	<1	195.5	24.4	1.1	30	2.51	<5	2.53	1.67	0.32	19.9	2.15	1.3	0.52

Comments: Low whole rock total confirmed by re-analysis.

ALS Canada Ltd.

2103 Dollarton Hwy
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To: **TNR GOLD CORP.**
620-650 WEST GEORGIA STREET
VANCOUVER BC V6B 4N9

Finalized Date: 5-OCT-2011
Account: TNRGOC

Project: SEABROOK

CERTIFICATE OF ANALYSIS SD11171947

Sample Description	Method	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
	Analyte	La	Lu	Mo	Nb	Nd	Ni	Pb	Pr	Rb	Sm	Sn	Sr	Ta	Tb	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.5	0.01	2	0.2	0.1	5	5	0.03	0.2	0.03	1	0.1	0.1	0.01	0.05
16201		12.0	0.05	<2	10.2	7.2	<5	27	2.27	230	1.72	1	76.7	1.1	0.15	17.95
16202		199.5	0.38	22	466	189.5	311	183	49.0	108.0	39.4	21	4380	4.9	2.79	38.2
16203		499	0.27	<2	271	429	10	7	117.5	12.1	85.0	1	2860	0.4	5.07	20.2
16204		718	0.50	<2	1330	913	15	18	224	0.7	169.0	4	1255	0.4	11.85	31.5
16205		992	0.24	9	415	1525	119	151	378	1.4	214	4	468	0.2	8.79	154.5
16206		770	0.49	<2	211	685	46	20	188.0	1.0	122.5	3	1600	0.8	6.89	61.9
16207		311	0.34	4	101.0	602	41	34	159.5	0.5	76.0	<1	1580	0.1	4.15	44.0
16208		577	0.46	32	499	275	126	59	88.5	49.0	39.4	5	1945	6.6	2.47	77.2
16209		529	0.71	16	277	315	109	27	96.2	71.9	48.2	2	3000	9.8	3.25	48.4
16210		11.4	0.20	2	49.1	9.2	<5	9	2.66	383	2.35	2	29.4	4.4	0.35	11.95
16211		484	0.15	<2	242	473	24	<5	128.5	0.8	63.0	1	1235	0.2	2.72	34.3
[redacted]																
16213		269	0.99	3	175.0	214	5	21	59.7	2.1	47.6	2	3280	3.2	5.82	70.9
16214		361	0.71	<2	290	261	5	13	75.0	1.0	49.4	2	3500	4.7	4.44	65.3
16215		212	0.38	6	483	206	28	32	53.1	146.5	36.3	10	1325	2.8	3.49	28.9
16216		414	0.25	3	72.8	467	18	52	107.5	0.9	70.0	<1	3250	0.5	3.73	37.3
16217		261	0.17	2	110.5	133.0	6	36	41.6	272	18.05	4	469	1.7	2.16	25.2
16218		350	0.76	2	388	236	322	17	66.4	175.5	50.9	2	1485	8.6	6.74	56.4
16219		142.5	0.47	3	59.9	96.3	<5	24	27.8	81.4	19.15	2	1260	1.7	2.19	88.6
16220		911	0.22	10	448	1420	125	155	345	1.8	183.5	4	432	0.2	5.37	129.5
16221		116.0	0.29	<2	330	103.0	391	8	26.7	130.5	21.5	5	1210	8.1	1.60	37.4
16222		541	1.12	24	305	471	33	93	122.0	61.9	94.7	6	5920	6.8	8.78	88.3
16223		12.5	0.24	2	56.2	9.8	<5	10	2.77	366	2.29	2	34.1	4.6	0.37	13.15

Comments: Low whole rock total confirmed by re-analysis.

ALS Minerals

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **TNR GOLD CORP.**
620-650 WEST GEORGIA STREET
VANCOUVER BC V6B 4N9

Finalized Date: 5-OCT-2011
Account: TNRGOC

Project: SEABROOK

CERTIFICATE OF ANALYSIS SD11171947

Sample Description	Method Analyte Units LOR	ME-MS81 Tl ppm 0.5	ME-MS81 Tm ppm 0.01	ME-MS81 U ppm 0.05	ME-MS81 V ppm 5	ME-MS81 W ppm 1	ME-MS81 Y ppm 0.5	ME-MS81 Yb ppm 0.03	ME-MS81 Zn ppm 5	ME-MS81 Zr ppm 2	ME-ICP06 SiO2 % 0.01	ME-ICP06 Al2O3 % 0.01	ME-ICP06 Fe2O3 % 0.01	ME-ICP06 CaO % 0.01	ME-ICP06 MgO % 0.01	ME-ICP06 Na2O % 0.01
16201		0.7	0.05	2.18	<5	1	3.5	0.39	9	31	76.0	12.85	0.91	0.30	0.12	3.82
16202		<0.5	0.54	1.94	628	4	56.3	3.15	523	181	21.3	4.03	24.1	17.10	9.75	1.30
16203		<0.5	0.61	2.54	39	<1	77.9	2.85	45	1230	7.36	0.88	4.22	45.6	1.94	0.12
16204		<0.5	0.94	15.05	47	1	132.5	4.83	29	145	0.82	0.28	5.81	43.7	6.34	0.05
16205		<0.5	0.43	14.30	532	34	73.2	2.16	1590	69	0.89	0.40	29.4	21.7	11.95	0.05
16206		<0.5	0.90	6.48	91	2	90.5	4.90	49	123	1.72	0.44	5.81	42.2	7.90	0.03
16207		<0.5	0.63	5.17	57	1	75.0	3.55	492	12	2.10	0.31	10.60	32.0	13.45	0.03
16208		<0.5	0.58	20.7	177	3	49.6	3.88	183	252	29.7	7.39	10.40	16.20	6.49	2.03
16209		<0.5	0.80	12.30	134	2	65.4	5.47	145	435	25.9	6.59	10.70	17.80	6.79	1.18
16210		1.3	0.21	10.30	<5	1	13.0	1.56	8	26	75.6	12.75	0.90	0.14	0.19	3.49
16211		<0.5	0.25	2.28	49	<1	27.9	1.42	36	8	0.45	0.14	6.15	29.5	19.45	0.05
[redacted]																
16213		<0.5	1.62	43.7	325	3	151.0	9.12	54	155	4.22	0.19	5.47	46.2	3.12	0.08
16214		<0.5	1.04	36.4	362	2	108.0	6.09	77	75	4.78	0.13	5.91	42.8	4.84	0.06
16215		<0.5	0.61	7.42	466	1	72.3	2.93	235	369	28.1	7.50	13.80	17.50	6.11	1.16
16216		<0.5	0.52	2.40	51	<1	67.8	2.21	24	51	4.70	1.02	2.66	48.4	1.32	0.53
16217		0.5	0.33	11.90	54	1	42.9	1.43	68	61	60.0	15.50	3.12	3.11	1.44	3.63
16218		<0.5	1.19	13.90	232	3	125.5	5.81	170	397	23.5	4.01	10.65	22.0	7.72	1.50
16219		<0.5	0.57	23.2	25	5	49.7	3.17	55	206	47.6	18.15	5.68	10.85	1.30	3.95
16220		<0.5	0.42	15.25	631	43	63.4	1.65	1850	62	1.02	0.39	33.8	19.55	10.70	0.09
16221		<0.5	0.27	7.94	247	5	24.5	1.74	208	204	26.7	4.06	15.15	11.95	11.45	2.62
16222		<0.5	1.79	24.7	92	7	179.0	8.80	149	59	8.49	1.74	10.45	35.5	5.59	0.51
16223		1.2	0.26	11.45	<5	1	14.3	1.54	10	29	74.8	12.90	0.80	0.22	0.19	3.56

Comments: Low whole rock total confirmed by re-analysis.

ALS Minerals

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **TNR GOLD CORP.**
620-650 WEST GEORGIA STREET
VANCOUVER BC V6B 4N9

Finalized Date: 5-OCT-2011
Account: TNRGOC

Project: SEABROOK

CERTIFICATE OF ANALYSIS SD11171947

Sample Description	Method Analyte Units LOR	ME-ICP06 K2O % 0.01	ME-ICP06 Cr2O3 % 0.01	ME-ICP06 TiO2 % 0.01	ME-ICP06 MnO % 0.01	ME-ICP06 P2O5 % 0.01	ME-ICP06 SrO % 0.01	ME-ICP06 BaO % 0.01	OA-GRA05 LOI % 0.01	TOT-ICP06 Total % 0.01
16201		4.75	<0.01	0.04	0.01	0.01	0.01	0.07	0.59	99.5
16202		3.19	0.05	2.45	0.61	0.74	0.51	0.44	13.40	99.0
16203		0.67	<0.01	0.05	0.51	0.77	0.35	0.07	38.0	100.5
16204		0.01	0.01	0.11	0.51	1.50	0.15	0.03	40.3	99.6
16205		0.01	0.01	0.16	1.86	0.03	0.06	0.91	31.9	99.3
16206		0.02	0.01	0.60	0.44	1.24	0.19	0.03	39.9	100.5
16207		<0.01	0.01	0.02	1.73	0.02	0.19	0.06	39.9	100.5
16208		2.47	0.04	1.73	0.55	0.55	0.22	0.21	22.1	100.0
16209		3.82	0.05	0.73	0.49	0.88	0.35	0.21	24.9	100.5
16210		5.50	<0.01	0.05	0.01	0.01	<0.01	0.02	1.00	99.7
16211		0.03	0.01	0.07	0.83	0.04	0.15	0.01	44.6	101.5
[redacted]										
16213		0.05	<0.01	0.30	0.33	3.59	0.39	0.07	37.9	102
16214		0.01	<0.01	0.28	0.41	3.27	0.42	0.13	37.7	100.5
16215		5.58	<0.01	2.27	0.40	1.24	0.15	0.11	14.95	98.9
16216		0.01	<0.01	0.09	0.47	0.19	0.35	0.03	40.1	99.9
16217		8.76	<0.01	0.06	0.10	0.64	0.05	0.13	3.19	99.7
16218		3.57	0.06	2.33	0.55	2.56	0.16	0.06	19.75	98.4
16219		2.75	<0.01	0.20	0.15	0.10	0.14	0.34	7.28	98.5
16220		<0.01	0.01	0.14	1.98	0.03	0.06	0.70	29.6	98.1
16221		3.00	0.07	3.46	0.39	0.54	0.14	0.07	18.25	97.9
16222		1.33	<0.01	0.80	0.58	4.10	0.65	0.16	29.6	99.5
16223		5.50	<0.01	0.05	0.01	0.01	0.01	0.02	1.29	99.4

Comments: Low whole rock total confirmed by re-analysis.

ALS Minerals
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To: **TNR GOLD CORP.**
620-650 WEST GEORGIA STREET
VANCOUVER BC V6B 4N9

Finalized Date: 3-DEC-2011
This copy reported on 16-DEC-2011
Account: TNRGOC

CERTIFICATE SD11205783

Project: SEABROOK
P.O. No.:
This report is for 100 Soil samples submitted to our lab in Sudbury, ON, Canada on 7-OCT-2011.

The following have access to data associated with this certificate:

FRED BREAKS MIKE SIEB	JOHN HARROP	GARY SCHELLENBERG

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS81	38 element fusion ICP-MS	ICP-MS

To: **TNR GOLD CORP.**
ATTN: JOHN HARROP
620-650 WEST GEORGIA STREET
VANCOUVER BC V6B 4N9

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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To: TNR GOLD CORP.
620-650 WEST GEORGIA STREET
VANCOUVER BC V6B 4N9

Finalized Date: 3-DEC-2011
Account: TNRGOC

Project: SEABROOK

CERTIFICATE OF ANALYSIS SD11205783

Sample Description	Method	WEI-21	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
	Analyte	Recvd Wt.	Ba	Ce	Co	Cr	Cs	Dy	Er	Eu	Ga	Gd	Hf	Ho	La	Lu
	Units	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.5	0.5	0.5	10	0.01	0.05	0.03	0.03	0.1	0.05	0.2	0.01	0.5	0.01
1038851		0.42	>10000	2930	37.6	280	0.53	42.6	12.40	46.2	19.2	95.8	6.8	6.19	1400	0.83
1038852		0.44	1190	1735	29.7	180	0.74	37.0	10.15	37.8	19.3	83.4	7.4	5.37	933	0.69
1038853		0.47	3410	3000	46.8	290	0.44	53.5	15.00	62.8	21.9	133.0	7.7	7.71	1620	1.05
1038854		0.32	621	187.5	10.1	90	1.06	4.94	2.34	2.54	15.2	6.50	9.6	0.92	54.8	0.30
1038855		0.56	638	317	11.4	100	0.82	9.23	4.00	5.28	14.2	12.65	11.2	1.63	140.5	0.39
1038856		0.67	755	154.0	10.7	100	1.07	5.26	2.62	2.65	15.1	6.48	11.2	0.98	64.9	0.34
1038857		0.38	696	179.0	8.2	100	1.11	5.28	2.69	2.56	14.4	6.32	11.2	1.01	91.9	0.36
1038858		0.50	695	91.8	8.4	100	0.91	3.51	1.79	1.64	13.5	4.38	8.7	0.62	44.7	0.25
1038859		0.60	611	89.8	7.6	90	0.70	3.57	1.70	1.84	12.7	5.07	7.0	0.64	50.1	0.21
1038860		0.44	714	150.5	7.6	90	0.93	4.87	2.11	3.42	13.0	7.80	8.4	0.83	103.5	0.25
1038861		0.45	668	36.4	9.0	90	1.21	1.73	1.06	0.64	15.5	2.01	7.1	0.34	17.6	0.17
1038862		0.55	681	53.9	8.7	80	1.00	2.12	1.15	1.04	14.7	2.74	6.5	0.40	26.2	0.17
1038863		0.45	729	33.8	5.8	80	0.99	1.78	1.13	0.66	14.6	2.03	8.6	0.38	17.2	0.20
1038864		0.51	684	64.7	8.0	100	0.82	2.13	1.16	0.84	12.5	2.66	7.4	0.41	21.9	0.20
1038865		0.58	715	66.1	9.8	130	0.85	2.49	1.39	1.04	13.7	3.10	7.8	0.47	29.2	0.21
1038866		0.50	816	93.8	9.5	130	1.09	2.25	1.27	1.30	15.2	3.35	9.8	0.44	46.6	0.24
1038867		0.50	711	86.8	13.2	130	1.29	2.32	1.28	1.29	16.6	3.22	8.7	0.43	41.5	0.23
1038868		0.51	733	248	19.0	150	1.02	3.71	1.71	2.21	15.4	5.63	7.8	0.64	62.6	0.24
1038869		0.35	1335	564	44.2	310	1.46	18.50	6.76	11.50	19.3	27.9	7.8	2.85	307	0.60
1038870		0.47	1960	678	72.8	550	1.83	22.9	8.27	17.60	25.0	39.8	9.6	3.60	448	0.69
1038871		0.49	2390	604	78.2	520	1.60	32.8	10.95	21.2	23.4	53.7	8.7	5.01	447	0.80
1038872		0.47	701	33.9	6.2	70	1.30	1.72	1.06	0.63	14.6	1.95	7.8	0.35	15.6	0.18
1038873		0.68	618	35.3	6.5	80	1.30	1.72	1.04	0.63	14.9	2.00	8.5	0.35	17.6	0.19
1038874		0.48	651	41.8	8.6	80	1.32	1.86	1.19	0.66	13.7	2.09	7.8	0.37	16.7	0.20
1038875		0.47	787	50.9	7.7	80	1.20	1.98	1.13	0.83	14.1	2.32	7.8	0.37	19.6	0.19
1038876		0.57	771	80.3	9.0	80	1.16	2.13	1.15	0.95	14.7	2.52	7.6	0.40	21.6	0.19
1038877		0.60	714	141.5	8.7	80	0.97	2.62	1.32	1.20	13.9	3.24	7.5	0.47	25.8	0.19
1038878		0.62	646	27.7	4.6	60	0.98	1.49	0.94	0.56	14.7	1.73	8.3	0.30	14.1	0.17
1038879		0.47	604	38.1	8.3	80	0.86	1.74	0.99	0.66	13.2	1.95	7.2	0.33	15.6	0.16
1038880		0.51	600	50.6	9.4	80	0.87	1.94	1.12	0.75	13.2	2.17	7.8	0.38	16.8	0.18
1038881		0.48	717	36.6	2.8	70	0.96	2.05	1.27	0.68	11.5	2.16	11.6	0.39	19.7	0.23
1038882		0.46	723	39.1	8.1	150	1.21	2.07	1.22	0.77	17.7	2.30	9.0	0.41	17.9	0.20
1038883		0.62	664	51.4	7.1	70	1.18	2.28	1.18	0.90	15.0	2.74	8.8	0.44	20.8	0.18
1038884		0.41	685	34.5	4.8	70	0.87	1.97	1.16	0.76	13.9	2.30	9.4	0.37	18.6	0.19
1038885		0.32	638	41.7	8.9	90	1.15	2.07	1.14	0.87	16.0	2.62	8.8	0.40	23.7	0.18
1038886		0.46	540	39.2	7.4	70	0.80	2.09	1.15	0.85	12.8	2.56	8.1	0.39	18.7	0.17
1038887		0.28	1425	195.5	13.0	70	2.86	9.36	3.21	5.25	21.6	13.75	9.0	1.38	142.0	0.30
1038888		0.46	1150	243	13.0	70	2.12	9.04	3.29	5.24	20.0	13.00	10.6	1.41	154.0	0.34
1038889		0.44	872	161.5	10.3	70	1.98	7.68	2.91	4.69	16.7	11.30	8.9	1.24	148.0	0.31
1038890		0.37	2220	145.0	15.3	110	4.02	2.70	1.42	1.54	22.1	3.96	10.1	0.51	59.1	0.24

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To: **TNR GOLD CORP.**
620-650 WEST GEORGIA STREET
VANCOUVER BC V6B 4N9

Finalized Date: 3-DEC-2011
Account: TNRGOC

Project: SEABROOK

CERTIFICATE OF ANALYSIS SD11205783

Sample Description / Method	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
Analyte	Mo	Nb	Nd	Pr	Rb	Sm	Sn	Sr	Ta	Tb	Th	Tl	Tm	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LOR	2	0.2	0.1	0.03	0.2	0.03	1	0.1	0.1	0.01	0.05	0.5	0.01	0.05	5
1038851	8	911	1440	369	26.0	183.0	10	541	2.3	10.15	171.0	<0.5	1.32	16.55	362
1038852	3	524	1065	263	45.3	142.5	5	365	2.4	8.77	83.4	<0.5	1.08	9.76	187
1038853	8	862	1880	459	24.7	245	9	397	3.4	13.20	167.0	<0.5	1.58	18.75	384
1038854	<2	75.9	50.8	13.25	59.5	8.73	2	291	1.3	0.92	15.20	<0.5	0.32	3.30	68
1038855	<2	157.0	120.0	32.6	52.6	17.25	3	288	1.9	1.80	20.5	<0.5	0.52	6.28	75
1038856	<2	148.5	55.6	14.95	59.2	8.77	2	314	1.7	0.95	13.60	<0.5	0.38	4.11	73
1038857	<2	112.5	69.4	19.55	63.3	9.37	2	331	1.4	0.90	13.90	<0.5	0.39	4.53	73
1038858	<2	38.0	38.4	10.20	57.8	6.64	1	321	0.8	0.59	10.20	<0.5	0.25	2.52	65
1038859	<2	39.0	43.8	11.50	58.0	7.56	1	302	0.7	0.64	10.75	<0.5	0.23	1.87	59
1038860	<2	64.8	93.7	24.5	58.4	13.85	2	289	1.0	0.91	11.55	<0.5	0.28	2.08	58
1038861	<2	25.5	15.2	3.99	61.2	2.78	1	272	0.8	0.27	6.29	<0.5	0.16	1.27	74
1038862	<2	29.5	22.7	6.00	67.9	3.93	1	276	0.9	0.36	6.32	<0.5	0.16	1.43	68
1038863	<2	20.9	14.8	3.96	60.3	2.71	1	295	0.9	0.29	5.49	<0.5	0.17	1.35	60
1038864	<2	10.5	19.7	5.17	49.4	3.70	1	302	0.6	0.35	8.41	<0.5	0.17	1.72	58
1038865	<2	12.9	24.2	6.45	59.0	4.40	1	322	0.7	0.41	9.96	<0.5	0.20	1.78	65
1038866	<2	116.0	38.3	10.35	67.1	5.91	2	281	2.5	0.39	7.61	<0.5	0.19	1.52	97
1038867	<2	69.2	34.7	9.39	58.7	5.49	2	281	1.8	0.40	6.60	<0.5	0.18	1.27	105
1038868	<2	68.3	53.2	14.10	54.9	8.93	2	317	1.8	0.69	10.80	<0.5	0.23	1.38	106
1038869	3	360	247	66.4	48.8	41.6	5	355	5.0	3.57	36.3	<0.5	0.84	7.20	250
1038870	7	429	494	118.0	53.5	74.6	8	284	9.1	4.42	45.2	<0.5	0.94	6.43	364
1038871	7	422	433	105.0	52.4	77.7	8	478	9.1	6.46	52.9	<0.5	1.20	6.52	361
1038872	<2	16.0	13.7	3.59	60.7	2.57	1	283	0.8	0.28	4.48	<0.5	0.16	1.20	65
1038873	<2	16.0	14.3	3.73	56.8	2.60	1	280	0.7	0.28	4.51	<0.5	0.16	1.27	67
1038874	<2	13.8	14.7	3.76	57.7	2.80	1	285	0.7	0.28	5.30	<0.5	0.17	1.28	49
1038875	<2	51.6	17.1	4.48	69.7	3.31	1	286	1.2	0.33	6.41	<0.5	0.17	1.90	54
1038876	<2	65.1	18.1	4.68	73.4	3.35	1	293	1.0	0.36	7.22	<0.5	0.17	1.47	62
1038877	<2	25.5	24.9	6.38	66.1	4.89	1	300	0.8	0.46	8.31	<0.5	0.19	1.46	59
1038878	2	20.8	11.7	3.12	56.8	2.30	1	278	0.7	0.23	4.10	<0.5	0.14	1.10	62
1038879	<2	16.6	14.1	3.64	50.5	2.75	1	299	0.7	0.29	5.51	<0.5	0.15	1.20	66
1038880	<2	20.6	14.8	3.87	53.3	2.94	1	284	0.8	0.31	5.27	<0.5	0.17	1.22	67
1038881	2	58.7	16.4	4.38	60.7	3.02	2	270	1.2	0.32	5.83	<0.5	0.20	1.74	40
1038882	3	49.6	16.2	4.08	62.2	3.15	2	290	1.1	0.34	5.80	<0.5	0.18	1.62	90
1038883	2	74.2	18.2	4.74	69.8	3.41	1	256	1.9	0.40	7.55	<0.5	0.18	2.38	65
1038884	<2	38.6	16.1	4.16	54.2	2.97	1	283	1.0	0.32	5.14	<0.5	0.17	1.21	51
1038885	2	28.3	19.1	4.97	52.6	3.45	1	279	1.0	0.35	5.92	<0.5	0.18	1.22	74
1038886	<2	17.1	16.8	4.29	50.4	3.10	1	292	0.7	0.35	5.22	<0.5	0.17	1.16	52
1038887	4	305	107.5	29.7	151.5	17.65	5	371	3.5	1.77	15.55	<0.5	0.41	3.01	153
1038888	5	245	117.5	32.0	103.5	18.25	5	354	2.8	1.70	15.20	<0.5	0.42	3.18	143
1038889	2	117.5	111.0	30.2	76.7	16.65	2	331	1.6	1.46	10.35	<0.5	0.41	2.74	99
1038890	2	369	39.9	11.30	304	5.81	3	303	4.1	0.51	11.00	0.5	0.20	3.88	130

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To: **TNR GOLD CORP.**
620-650 WEST GEORGIA STREET
VANCOUVER BC V6B 4N9

Finalized Date: 3-DEC-2011
Account: TNRGOC

Project: SEABROOK

CERTIFICATE OF ANALYSIS SD11205783

Sample Description	Method Analyte Units LOR	ME-MS81 W ppm 1	ME-MS81 Y ppm 0.5	ME-MS81 Yb ppm 0.03	ME-MS81 Zr ppm 2
1038851		40	159.5	6.97	344
1038852		7	141.0	5.59	346
1038853		31	219	8.08	369
1038854		1	24.1	2.02	418
1038855		2	44.1	2.90	536
1038856		2	27.0	2.21	509
1038857		2	28.3	2.42	502
1038858		2	18.5	1.78	319
1038859		2	18.8	1.61	262
1038860		2	23.3	1.82	313
1038861		1	10.0	1.16	263
1038862		1	11.1	1.17	237
1038863		2	11.0	1.34	319
1038864		1	11.8	1.25	273
1038865		1	13.9	1.46	283
1038866		2	13.1	1.44	373
1038867		2	12.5	1.39	315
1038868		2	17.6	1.65	288
1038869		2	72.2	5.07	311
1038870		5	100.5	5.87	415
1038871		4	139.0	6.85	325
1038872		2	10.2	1.19	276
1038873		2	10.0	1.17	302
1038874		2	10.8	1.29	273
1038875		2	10.6	1.24	288
1038876		2	11.5	1.25	288
1038877		1	12.8	1.34	274
1038878		1	9.0	1.10	301
1038879		1	9.7	1.10	267
1038880		1	10.7	1.19	285
1038881		2	12.2	1.48	435
1038882		2	11.8	1.40	329
1038883		1	11.3	1.21	317
1038884		1	10.9	1.24	359
1038885		1	11.0	1.24	315
1038886		<1	10.8	1.21	282
1038887		2	37.3	2.42	431
1038888		1	34.6	2.56	473
1038889		1	31.8	2.30	345
1038890		2	13.2	1.45	501

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VANCOUVER BC V6B 4N9

Finalized Date: 3-DEC-2011
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CERTIFICATE OF ANALYSIS SD11205783

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS81 Ba ppm 0.5	ME-MS81 Ce ppm 0.5	ME-MS81 Co ppm 0.5	ME-MS81 Cr ppm 10	ME-MS81 Cs ppm 0.01	ME-MS81 Dy ppm 0.05	ME-MS81 Er ppm 0.03	ME-MS81 Eu ppm 0.03	ME-MS81 Ga ppm 0.1	ME-MS81 Gd ppm 0.05	ME-MS81 Hf ppm 0.2	ME-MS81 Ho ppm 0.01	ME-MS81 La ppm 0.5	ME-MS81 Lu ppm 0.01
1038891		0.42	2480	386	18.0	140	3.66	3.33	1.40	2.31	26.6	5.43	9.8	0.54	99.2	0.21
1038892		0.48	890	499	23.2	270	2.10	7.12	2.50	4.41	22.2	11.50	9.3	1.10	124.0	0.26
1038893		0.44	2100	248	39.7	60	2.93	5.98	2.15	3.71	28.8	10.10	12.7	0.92	59.6	0.26
1038894		0.42	2380	324	45.5	40	2.94	7.27	2.50	4.35	30.7	11.85	14.5	1.10	59.4	0.22
1038895		0.39	1375	288	45.8	110	2.71	6.55	2.36	3.95	25.7	10.30	12.6	1.00	62.5	0.24
1038896		0.29	2450	335	19.3	160	0.96	10.60	3.98	6.46	15.1	15.90	9.5	1.68	193.5	0.35
1038897		0.47	2690	336	21.8	190	1.06	11.35	4.55	6.51	15.3	16.50	9.1	1.80	181.0	0.38
1038898		0.37	2110	483	20.7	170	1.10	12.05	4.15	8.75	15.0	19.75	10.3	2.04	263	0.39
1038899		0.35	6920	1020	34.7	180	1.13	56.5	19.25	31.1	15.7	78.3	19.9	9.63	519	1.30
1038900		0.37	7020	974	27.8	200	1.25	37.6	11.75	24.5	16.3	57.8	12.0	6.20	504	0.87
1038901		0.17	7550	1060	34.4	200	1.14	58.4	19.25	32.7	15.5	82.5	20.2	9.89	534	1.34
1038902		0.18	1365	1260	32.2	210	1.17	23.7	9.62	16.75	16.2	36.3	10.3	4.27	705	0.97
1038903		0.17	1480	2630	46.4	240	1.16	36.7	13.80	29.9	19.8	62.7	8.4	6.43	1610	1.32
1038904		0.17	1295	2500	51.8	250	1.05	37.2	14.10	28.9	19.3	61.3	9.2	6.70	1520	1.48
1038905		0.09	1080	75.7	8.2	130	1.83	2.35	1.19	1.16	11.2	3.10	5.7	0.47	41.4	0.19
1038906		0.15	820	54.5	6.0	110	1.39	1.92	1.06	0.89	13.7	2.49	8.0	0.43	26.9	0.20
1038907		0.03	779	98.7	11.1	110	1.25	2.90	1.41	1.51	13.6	4.05	8.0	0.57	46.3	0.22
1038908		0.20	744	38.1	1.5	60	1.38	1.60	0.96	0.63	11.7	1.85	10.5	0.35	20.4	0.19
1038909		0.18	658	34.7	4.5	60	1.18	1.59	0.89	0.66	16.0	1.86	8.2	0.34	17.0	0.15
1038910		0.16	633	53.5	7.6	80	0.92	1.78	0.94	0.81	16.1	2.14	7.5	0.37	20.1	0.16
1038911		0.17	737	74.0	3.5	90	1.39	2.19	1.23	1.02	13.1	2.65	10.3	0.46	40.2	0.23
1038912		0.17	694	84.4	10.4	120	1.51	2.32	1.25	1.22	17.1	3.16	8.0	0.48	40.2	0.22
1038913		0.20	832	656	18.4	210	1.78	9.01	3.48	6.08	16.0	14.20	7.5	1.58	160.5	0.38
1038914		0.17	979	68.4	8.6	120	2.17	3.63	1.78	1.91	13.0	5.20	6.9	0.74	63.7	0.27
1038915		0.14	891	86.9	10.1	140	2.10	4.19	1.97	2.20	13.6	5.96	7.5	0.81	74.9	0.29
1038916		0.32	713	96.7	9.0	100	0.89	3.19	1.46	1.73	13.7	4.58	6.7	0.60	57.4	0.21
1038917		0.20	700	38.3	3.5	70	1.30	1.45	0.82	0.67	13.7	1.64	7.6	0.31	18.5	0.16
1038918		0.21	707	67.8	7.5	90	1.31	1.90	1.00	0.90	17.4	2.27	6.6	0.40	23.4	0.16
1038919		0.24	615	53.5	8.9	80	0.97	1.95	1.00	0.93	14.0	2.52	7.6	0.40	22.5	0.17
1038920		0.17	667	39.9	2.0	50	1.03	1.73	1.00	0.65	11.7	1.96	11.0	0.38	22.2	0.21
1038921		0.17	596	51.0	5.8	70	1.00	1.94	1.08	0.82	15.5	2.24	8.0	0.42	26.4	0.19
1038922		0.16	577	47.8	9.1	80	1.05	2.11	1.10	0.89	14.1	2.46	8.3	0.43	23.6	0.19
1038923		0.17	1375	526	38.3	260	2.10	14.35	5.01	10.45	18.6	24.7	10.1	2.47	321	0.48
1038924		0.22	965	503	31.5	220	1.79	10.55	3.94	7.92	17.8	18.25	7.7	1.87	285	0.43
1038925		0.21	1110	500	31.8	230	1.84	11.70	4.26	8.67	17.8	19.95	9.3	2.06	280	0.44
1038926		0.22	846	582	21.4	160	1.22	23.8	8.82	11.60	16.6	28.7	12.8	3.56	221	0.63
1038927		0.21	723	73.0	8.5	90	1.12	2.59	1.46	1.11	15.4	2.85	9.0	0.48	24.4	0.19
1038928		0.22	677	110.0	7.8	90	1.08	3.10	1.60	1.50	15.5	3.71	9.1	0.52	33.5	0.19
1038929		0.16	732	113.5	12.6	120	1.12	5.15	2.30	2.62	15.1	6.45	7.9	0.85	62.4	0.23
1038930		0.25	620	46.1	8.6	80	0.90	2.78	1.35	1.39	14.6	3.48	7.1	0.47	26.5	0.16

ALS Minerals

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To: **TNR GOLD CORP.**
620-650 WEST GEORGIA STREET
VANCOUVER BC V6B 4N9

Finalized Date: 3-DEC-2011
Account: TNRGOC

Project: SEABROOK

CERTIFICATE OF ANALYSIS SD11205783

Sample Description	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
Analyte	Mo	Nb	Nd	Pr	Rb	Sm	Sn	Sr	Ta	Tb	Th	Tl	Tm	U	V
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LOR	2	0.2	0.1	0.03	0.2	0.03	1	0.1	0.1	0.01	0.05	0.5	0.01	0.05	5
1038891	2	507	61.2	17.85	276	8.91	3	264	5.0	0.67	13.50	<0.5	0.20	9.03	153
1038892	2	314	92.7	25.7	133.5	15.55	5	340	2.8	1.43	17.95	<0.5	0.32	4.12	170
1038893	4	304	64.8	15.50	157.0	12.35	5	450	5.2	1.21	11.85	<0.5	0.29	1.98	277
1038894	4	269	68.1	15.90	127.0	14.30	5	451	4.6	1.48	12.40	<0.5	0.32	2.06	335
1038895	5	234	67.3	16.45	101.5	13.50	5	444	4.6	1.32	11.70	<0.5	0.29	2.15	323
1038896	2	284	160.0	42.7	55.0	23.7	2	326	2.5	2.05	23.2	<0.5	0.47	5.55	118
1038897	<2	317	154.5	41.2	52.4	23.1	3	336	3.2	2.18	24.2	<0.5	0.53	5.73	136
1038898	2	279	207	56.8	53.2	30.9	3	316	3.0	2.55	28.2	<0.5	0.55	6.45	129
1038899	5	629	462	120.0	49.3	93.1	3	956	4.0	11.20	110.0	<0.5	2.28	15.20	205
1038900	3	480	441	113.5	59.5	78.2	3	713	3.8	7.79	89.2	<0.5	1.45	10.25	163
1038901	4	623	484	124.5	50.5	95.4	4	953	4.4	11.60	114.5	<0.5	2.26	15.70	236
1038902	8	931	422	123.0	59.5	61.7	5	615	5.0	4.76	44.2	<0.5	1.34	8.42	213
1038903	11	749	839	251	58.0	110.5	6	816	3.1	7.62	111.5	<0.5	1.87	11.80	275
1038904	13	707	812	243	57.9	110.5	7	838	3.7	7.59	106.5	<0.5	2.00	12.15	283
1038905	2	82.2	26.6	7.44	54.5	4.36	2	322	2.6	0.40	6.88	<0.5	0.17	3.03	82
1038906	2	55.5	18.5	5.21	63.4	3.31	1	283	2.0	0.38	6.24	<0.5	0.19	1.92	68
1038907	2	33.8	32.8	8.94	53.3	5.48	1	316	1.2	0.54	8.48	<0.5	0.22	2.75	69
1038908	2	37.3	14.3	3.97	80.3	2.58	1	236	1.3	0.27	6.42	<0.5	0.17	1.66	26
1038909	2	30.3	12.5	3.41	71.3	2.32	1	231	1.2	0.26	5.92	<0.5	0.15	1.48	63
1038910	3	34.2	14.6	4.03	68.0	2.83	1	247	1.2	0.32	7.05	<0.5	0.16	1.46	74
1038911	3	69.0	24.9	7.36	63.5	4.04	2	258	2.4	0.38	7.44	<0.5	0.20	1.96	64
1038912	4	59.0	26.7	7.51	61.0	4.48	2	274	2.3	0.44	7.69	<0.5	0.20	1.71	101
1038913	5	115.5	115.5	32.2	73.6	20.2	2	410	3.3	1.82	41.1	<0.5	0.50	4.72	149
1038914	3	20.6	43.0	12.05	64.2	7.13	1	298	0.9	0.67	12.25	<0.5	0.27	5.51	63
1038915	3	19.2	50.0	14.10	67.5	8.33	1	304	1.0	0.78	13.85	<0.5	0.31	5.45	66
1038916	<2	31.3	37.6	10.55	77.1	6.29	1	293	1.1	0.59	12.95	<0.5	0.23	2.07	61
1038917	2	41.9	12.2	3.44	86.9	2.13	1	212	1.4	0.24	6.46	<0.5	0.14	1.49	58
1038918	2	51.2	15.4	4.32	84.9	2.87	1	231	1.8	0.34	7.83	<0.5	0.17	1.78	84
1038919	<2	38.2	16.6	4.59	64.8	3.26	1	250	1.3	0.35	7.93	<0.5	0.16	1.52	66
1038920	<2	37.5	14.5	4.08	70.7	2.53	1	232	1.2	0.28	6.06	<0.5	0.18	1.59	36
1038921	<2	41.8	16.3	4.57	60.9	2.86	1	219	1.3	0.33	6.44	<0.5	0.17	1.39	73
1038922	<2	35.0	16.9	4.61	60.2	3.19	1	247	1.1	0.37	8.73	<0.5	0.18	1.63	64
1038923	2	499	224	62.5	95.3	35.9	3	392	6.0	2.98	42.8	<0.5	0.68	5.27	220
1038924	2	252	182.0	51.3	86.2	28.1	3	365	5.3	2.19	39.9	<0.5	0.53	3.66	190
1038925	2	369	192.0	52.9	90.0	30.1	3	385	5.7	2.37	38.3	<0.5	0.57	4.24	190
1038926	3	583	190.5	50.6	60.9	34.5	4	485	3.6	4.25	67.1	<0.5	1.04	8.82	208
1038927	<2	37.5	20.2	5.34	65.2	3.58	1	285	0.8	0.43	8.15	<0.5	0.21	1.85	63
1038928	<2	37.9	29.6	7.77	67.2	5.13	1	286	0.8	0.54	9.59	<0.5	0.21	1.86	64
1038929	2	86.8	47.0	12.55	77.4	8.10	2	314	2.0	0.92	13.60	<0.5	0.30	2.59	73
1038930	<2	44.2	22.1	5.76	71.5	4.36	7	269	0.9	0.49	7.95	<0.5	0.18	1.64	58

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VANCOUVER BC V6B 4N9

Finalized Date: 3-DEC-2011
Account: TNRGOC

Project: SEABROOK

CERTIFICATE OF ANALYSIS SD11205783

Sample Description	Method Analyte Units LOR	ME-MS81 W ppm 1	ME-MS81 Y ppm 0.5	ME-MS81 Yb ppm 0.03	ME-MS81 Zr ppm 2
1038891		2	13.3	1.40	539
1038892		1	26.5	1.88	410
1038893		1	23.2	1.75	634
1038894		1	27.2	1.71	657
1038895		2	25.7	1.78	556
1038896		3	44.1	2.83	397
1038897		3	47.7	3.18	371
1038898		4	55.3	3.19	413
1038899		23	266	11.65	1320
1038900		8	167.0	7.26	632
1038901		12	264	11.45	1380
1038902		10	122.5	7.92	475
1038903		14	182.0	10.40	407
1038904		15	191.5	11.55	469
1038905		2	13.6	1.29	227
1038906		2	11.8	1.19	294
1038907		4	16.4	1.47	290
1038908		1	10.3	1.21	382
1038909		1	9.7	1.02	292
1038910		1	10.4	1.01	271
1038911		2	13.2	1.46	376
1038912		2	13.9	1.29	300
1038913		3	41.1	2.92	292
1038914		2	21.7	1.79	250
1038915		2	24.1	1.92	270
1038916		1	17.8	1.45	245
1038917		1	8.7	1.02	264
1038918		1	11.0	1.02	237
1038919		1	11.6	1.14	278
1038920		1	11.1	1.22	392
1038921		2	11.9	1.23	291
1038922		1	12.6	1.19	305
1038923		4	64.6	3.72	509
1038924		3	51.8	3.08	324
1038925		4	55.7	3.30	427
1038926		10	91.9	5.48	590
1038927		2	13.5	1.41	326
1038928		2	14.4	1.37	331
1038929		3	22.3	1.75	318
1038930		3	13.1	1.17	259

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Finalized Date: 3-DEC-2011
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Project: SEABROOK

CERTIFICATE OF ANALYSIS SD11205783

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS81 Ba ppm 0.5	ME-MS81 Ce ppm 0.5	ME-MS81 Co ppm 0.5	ME-MS81 Cr ppm 10	ME-MS81 Cs ppm 0.01	ME-MS81 Dy ppm 0.05	ME-MS81 Er ppm 0.03	ME-MS81 Eu ppm 0.03	ME-MS81 Ga ppm 0.1	ME-MS81 Gd ppm 0.05	ME-MS81 Hf ppm 0.2	ME-MS81 Ho ppm 0.01	ME-MS81 La ppm 0.5	ME-MS81 Lu ppm 0.01
1038931		0.24	798	65.0	11.7	120	1.27	3.43	1.72	1.60	15.4	4.19	9.9	0.60	34.4	0.21
1038932		0.24	570	63.9	7.5	80	0.89	2.72	1.46	1.22	14.3	3.15	9.0	0.49	25.9	0.18
1038933		0.22	554	40.6	8.0	90	1.05	2.24	1.34	0.92	14.1	2.37	8.8	0.41	18.2	0.18
1038934		0.17	588	53.0	11.2	90	1.05	2.59	1.42	1.12	15.0	2.87	8.2	0.45	24.7	0.18
1038935		0.21	532	35.0	7.1	90	1.03	2.11	1.22	0.86	15.1	2.36	9.5	0.39	18.5	0.18
1038936		0.14	546	51.6	9.4	80	0.74	2.09	1.14	0.93	14.2	2.33	7.2	0.38	16.9	0.16
1038937		0.20	531	33.1	7.7	100	1.12	2.43	1.43	0.84	15.0	2.47	8.4	0.45	18.2	0.19
1038938		0.22	554	65.9	7.5	90	0.91	2.26	1.22	0.96	14.7	2.57	8.2	0.40	23.3	0.16
1038939		0.21	524	54.5	6.2	80	0.91	2.30	1.22	1.00	14.6	2.79	8.7	0.41	28.0	0.16
1038940		0.10	505	121.5	7.6	90	0.73	3.01	1.25	1.88	6.7	4.40	2.7	0.47	55.6	0.12
1038941		0.08	751	949	40.6	330	2.26	14.75	4.72	11.60	21.5	25.3	6.8	2.04	288	0.28
1038942		0.02	582	84.0	8.0	70	0.69	2.57	0.93	1.54	4.3	3.79	1.9	0.36	41.1	0.07
1038943		0.08	595	49.4	7.5	80	0.71	2.31	1.09	1.11	10.7	2.76	4.1	0.39	24.0	0.13
1038944		0.15	1070	620	87.1	450	1.99	14.75	4.76	12.70	24.8	27.6	16.7	2.06	309	0.41
1038945		0.21	755	532	41.7	70	4.92	15.60	5.89	8.80	29.5	22.0	5.5	2.36	203	0.33
1038946		0.05	661	497	32.8	290	1.76	9.06	3.14	6.66	19.8	14.95	9.4	1.30	156.0	0.24
1038947		0.19	714	46.8	10.3	110	1.39	2.48	1.43	1.14	18.6	2.97	8.9	0.44	23.8	0.19
1038948		0.21	1940	361	53.4	60	4.04	10.90	3.80	7.27	22.2	15.75	16.4	1.53	151.5	0.31
1038949		0.23	1865	140.0	49.5	230	3.18	5.92	2.07	3.70	23.6	8.68	10.1	0.85	50.1	0.22
1038950		0.21	562	49.9	8.2	80	0.71	2.52	1.42	0.92	14.6	2.94	5.6	0.45	23.9	0.19

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VANCOUVER BC V6B 4N9

Finalized Date: 3-DEC-2011
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Project: SEABROOK

CERTIFICATE OF ANALYSIS SD11205783

Sample Description	Method Analyte Units LOR	ME-MS81 Mo ppm 2	ME-MS81 Nb ppm 0.2	ME-MS81 Nd ppm 0.1	ME-MS81 Pr ppm 0.03	ME-MS81 Rb ppm 0.2	ME-MS81 Sm ppm 0.03	ME-MS81 Sn ppm 1	ME-MS81 Sr ppm 0.1	ME-MS81 Ta ppm 0.1	ME-MS81 Tb ppm 0.01	ME-MS81 Th ppm 0.05	ME-MS81 Tl ppm 0.5	ME-MS81 Tm ppm 0.01	ME-MS81 U ppm 0.05	ME-MS81 V ppm 5
1038931		<2	80.6	29.8	7.76	69.0	5.48	2	268	1.7	0.61	12.70	<0.5	0.24	2.15	76
1038932		<2	25.0	22.6	6.00	64.1	4.14	1	247	0.7	0.46	8.53	<0.5	0.21	1.73	58
1038933		<2	19.8	15.1	3.89	61.1	2.91	1	271	0.8	0.36	6.48	<0.5	0.19	1.47	65
1038934		<2	47.0	19.1	4.96	64.5	3.65	1	260	1.1	0.43	8.38	<0.5	0.20	1.76	75
1038935		<2	20.8	15.5	4.08	57.7	2.92	1	245	0.8	0.35	7.28	<0.5	0.19	1.61	65
1038936		<2	26.7	14.0	3.60	76.5	2.76	1	249	0.8	0.35	9.60	<0.5	0.16	1.54	66
1038937		<2	14.3	14.9	3.85	59.7	2.81	1	258	0.8	0.38	6.46	<0.5	0.21	1.44	65
1038938		<2	42.4	17.1	4.56	66.2	3.15	2	242	1.0	0.39	9.02	<0.5	0.17	1.53	63
1038939		<2	38.6	21.6	5.81	60.2	3.66	2	231	1.0	0.41	13.60	<0.5	0.18	1.75	67
1038940		5	47.1	44.3	11.75	27.7	6.83	1	555	0.7	0.53	7.96	<0.5	0.16	3.57	65
1038941		5	654	245	67.4	61.0	39.0	4	352	5.9	3.12	22.8	<0.5	0.49	6.18	270
1038942		9	66.4	33.2	8.73	21.3	5.35	2	1105	0.9	0.48	3.68	<0.5	0.12	14.45	55
1038943		6	60.0	19.2	5.07	57.3	3.44	1	457	1.0	0.38	8.11	<0.5	0.15	15.25	58
1038944		3	361	283	74.0	39.6	44.2	4	257	5.9	3.15	13.00	<0.5	0.55	3.17	424
1038945		2	369	146.5	37.6	255	26.3	3	890	3.9	2.96	17.05	<0.5	0.67	6.23	308
1038946		4	460	134.5	36.4	59.0	22.0	3	323	5.5	1.87	17.55	<0.5	0.36	5.51	228
1038947		2	59.9	20.5	5.32	63.9	3.75	2	272	1.5	0.41	6.48	<0.5	0.21	1.93	101
1038948		3	612	135.0	35.9	157.5	23.2	8	305	7.0	2.10	12.95	<0.5	0.44	2.09	446
1038949		2	307	59.0	14.00	122.5	11.35	5	382	5.6	1.11	12.00	<0.5	0.26	2.90	296
1038950		<2	20.7	17.0	4.61	79.9	3.28	1	229	0.9	0.42	12.55	<0.5	0.20	2.10	66

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Sample Description	Method Analyte Units LOR	ME-MS81 W ppm 1	ME-MS81 Y ppm 0.5	ME-MS81 Yb ppm 0.03	ME-MS81 Zr ppm 2
1038931		2	16.6	1.55	378
1038932		2	13.3	1.29	318
1038933		2	11.6	1.24	315
1038934		2	13.0	1.31	304
1038935		2	11.3	1.20	338
1038936		1	10.6	1.03	237
1038937		2	13.8	1.34	305
1038938		2	11.3	1.12	302
1038939		2	11.3	1.16	306
1038940		5	13.6	0.91	102
1038941		2	49.7	2.53	272
1038942		5	10.6	0.59	78
1038943		19	10.7	0.92	170
1038944		4	48.8	3.11	632
1038945		2	59.3	3.25	366
1038946		2	32.5	1.95	392
1038947		2	12.9	1.33	333
1038948		5	37.6	2.44	794
1038949		5	20.9	1.50	374
1038950		1	13.3	1.39	197