May, 2015
NTS 042B03 SE 1/4

Diamond Drilling Report on the Nemegosenda Property

Holes DDH-14-84, DDH-14-85, and DDH-14-86

Claims: S82918, 20621MG

Chewett Township

Porcupine Mining Division

344000E 53200000 N
UTM NAD83 Z17N

Report Prepared For:

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1.0 Introduction

The Nemegosenda Property, wholly owned by Sarissa Resources Inc. through its subsidiary Nio-Star Corp., consists of seven patented mining claims and 20 unpatented mining claims in Chewett, Collins, and McGee townships. A summary of the claims are given below in Table 1. Map 2 summarizes the claim holdings of the property. Additional information on the patented mining claims is available in Chance (2015).

Table 1. Summary of unpatented claim holdings.

Claim	Date Recorded	Township
4202081	05/30/2006	CHEWETT (G-1083)
4225553	06/03/2008	CHEWETT (G-1083)
4225554	06/03/2008	CHEWETT (G-1083)
4225555	06/03/2008	CHEWETT (G-1083)
4247275	04/14/2012	CHEWETT (G-1083)
4250916	11/05/2013	CHEWETT (G-1083)
4270342	07/03/2014	CHEWETT (G-1083)
4270430	05/24/2013	CHEWETT (G-1083)
4271162	07/03/2014	CHEWETT (G-1083)
4208619	05/30/2006	COLLINS (G-3030)
4225556	06/03/2008	COLLINS (G-3030)
4225557	06/03/2008	COLLINS (G-3030)
4246909	07/27/2011	COLLINS (G-3030)
4246910	07/27/2011	COLLINS (G-3030)
4246911	07/27/2011	COLLINS (G-3030)
4246941	10/04/2011	COLLINS (G-3030)
4270288	05/15/2013	COLLINS (G-3030)
4270431	05/15/2013	COLLINS (G-3030)
4225549	06/03/2008	MCGEE (G-1176)
4225558	06/03/2008	MCGEE (G-1176)

1.1 Location and Access

The property is located approximately 30 kilometers northeast of Chapleau, Ontario. Access is granted via well-maintained logging roads from highway 101. Map 1 shows a provincial scale location map.

1.2 Geological Setting and Property Geology

Regionally, the Nemegosenda Lake Property resides in the Kapuskasing Structural Zone (KSZ) of the Archean-aged Superior Province of the Canadian Shield. The KSZ is a northeast striking horst structure, where crustal uplift has resulted in high grade amphibolite to granulite facies gneisses are exposed at surface. It is hypothesized that the characteristic northeast striking faults controlled the emplacement of the Nemegosenda Lake Alkaline Complex, on which the property resides. The KSZ also hosts the Lackner Lake and Borden Lake Alkali Complexes.

The Nemegosenda Lake alkali intrusive complex is an elliptical body approximately 5 by 7 km, with the semi-major axis oriented north-south. The complex is emplaced within Archean age orthogeniesses. The orthogneissic wall rocks show variable degrees of fenitization, with the intensity of fenitization increasing with proximity to the intrusion. The intrusive body is characterized by arcuate and partial rings of gabbro, ijolite, fenite, nepheline, syenite, carbonatite, malignite, syenite, and mafic syenite. Several later-stage carbonatite and alkalic dykes cross-cut these units. A geologic map of the property is shown in Map 3

2.0 Previous Exploration Work

A detailed summary of previous exploration work is given by Chance (2010) and Chance(2015), NI 43-101 compliant reports available through SEDAR. The reader is directed to these reports for a detailed summary. A brief summary is presented below.

Initial work was carried out by Dominion Gulf Co. (1954 – 1961), which carried out a ground magnetic survey on the property following the results of an aeromagnetic survey. Drilling of magnetic anomalies in the southeast zone resulted in anomalous intercepts of niobium mineralization. Additional work and prospecting resulted in drilling in the D-Zone. A total of 35,306 feet of diamond drilling on the property was completed. This resulted in the reporting of a historic resource estimate of approximately 20 million tons grading 0.46 % (Chance, 2010).

Sage (1987) completed a detailed geological analysis on the Nemegosenda Lake Alkaline Complex that fully integrated the observations from the work completed by Gulf Dominion Co on behalf of the Ontario Geological Survey. This work included petrographic analysis and geochemical analysis of samples collected form the property.

Musto Explorations (1987) completed an airborne Magnetic/EM survey, re-assayed Dominion Gulf Co. core in the southeast zone for REEs, and completed trenching work in the southeast zone. Sarissa Resources Inc. acquired the property in 2007. Since then, they have completed a diamond drilling program to advance exploration on the D-Zone, and preliminary drilling the southeast zone which has extended the previously known area of mineralization inferred from diamond drilling by Gulf Dominion Co.

3.0 Current Exploration Program

3.1 Drilling Program

The current drill program was a continuation of the previous drilling program started with DDH-14-82, completed in January, 2014. Three holes, DDH-14-84, DDH-14-85, and DDH-14-86 were completed to better determine the accuracy and precision of the Gulf Dominion Co. drilling in the D-Zone. Review of early data revealed that the previously calculated Gulf Dominion grid locations were incorrect. However, the bedrock intersection of hole DDH-208-55-10 was located in bedrock after adjusting the Dominion

Gulf grid. This was the only true duplicate of the drilling program, which was twinned by hole DDH-14-86. A summary of the drill holes is given in Table 2 below.

Map 4 shows the location of the drill hole relative to historic and current drill holes. Map 5 shows a projection of the drill hole relative to topographic features. Appendix D shows the vertical section of the holes. The core was logged by both A. Korboukh of New Liskeard and the author. Assay analysis was completed by AGAT Laboratories in Mississauga Ontario.

3.1.1 Sampling Method

Samples were collected from the drill and stored and split by a hydraulic splitter at a core shack on-site. Half-core was bagged and tagged in a polyethylene bags. Samples were transported to AGAT Laboratories in Mississauga Ontario for Analysis. Samples were crushed, with a subset pulverized to a fine pulp, then digested with a lithium borate fusion. Analysis for niobium (Nb) was completed by XRF finish, including analysis for U, Th, Ba, Sn, Sb, Ta, Zr, and W.

3.1.2 Data Verification

Nio-Star Corp. completed duplicate, blanks, and standards analysis as part of a quality assurance and quality control program (QA/QC). A standard, duplicate, and blank were inserted into the sample stream every 25 samples. Review of QA/QC data (Standards) revealed that there is a slight negative bias in the reported assays. A more detailed review of the QA/QC procedures and analysis is available in Chance (2015).

3.2 Collar Surveying

Story Environmental, certified Ontario Land Surveyors, were contracted to survey collars of holes DDH-14-82, DDH-14-84, DDH-14-85, and DDH-14-86 with a Trimble differential GPS. They utilized previously established survey control points by Dorlan surveyors to tie into known survey reference points.

3.3 Downhole Surveying

ReFlex Canada was retained to complete downhole surveys on the holes in the D-Zone used a non-magnetic gyroscopic tool (Gyro). Specifications for the instrument are available in Appendix E. A total of 12 holes were surveyed, totaling 2,450 meters. This included the upper 40 meters of the Dominion Gulf Co. hole DDH-208-55-10. Problems with casing integrity hindered the ability for the team to survey some holes in the D-Zone. Tables showing the downhole survey data are available in Appendix F, with the corrected azimuths for the vertical holes surveyed.

It is important to note that azimuth readings were not very accurate in vertical holes, with large deviations in azimuth caused by the sensitivity of the instrument due to small rotations combined with very small horizontal deviations. To process and correct this data, the weighted average azimuth for the downhole distances were computed to better estimate the true deviations on a more realistic physical hole path. A summary of the methods used are given in Appendix G.

downhole distances were computed to better estimate the true deviations on a more realistic physical hole path. A summary of the methods used are given in Appendix G.

4.0 Program Results

The upper portion of hole DDH-14-84 intersects higher grade Nb mineralization in the first 80 meters, consisting of malignite and malignite rich sections. A decrease in Nb grade is observed following the intersection of a well pronounced graphitic, gouge-filled fault. However, some significant intersections still occur from 80 to 200 meters. A profile of Nb mineralization with respect to depth is shown in Figure 1.

Holes DDH-14-85 and DDH-14-86 intersected significant niobium mineralization across majority of the widths, with elevated niobium content occurring in rocks with elevated aegerine-augite mineralization. The upper portion of the holes occurred in closer proximity to the intrusive body. Observations suggest that this area displays complex structures with rheomporphic textures and abundant ductile deformation. The holes transition into areas of fenite cross cut by malignite, and more malignitic rich areas. Brecciated textures are common, and include areas of sovite veins and abundant carbonate. The holes show that more fenite, especially pyroxentic fenites, are common towards the northeast of this area. A summary of significant intersection is given below in Table 3. A profile of Nb mineralization with respect to depth is shown in Figure 1.

Table 2. Summary of significant drill intersections.

Hole	Easting	Northing	Azimuth	Inclination	From (m)	To (m)	Nb2O5 (%)
DDH-14-84	344517	5320552	0	-90	surface	200	0.43
				including	144.5	200	0.29
				including	192.5	200	0.44
DDH-14-85	344456	5320347	40	-45	surface	323	0.40
				including	59	140	0.56
DDH-14-86	344417	5320344	40	-45	surface	213	0.33
				including	80	168.5	0.57
				including	158	168.5	0.90

Drill logs for the holes are presented in Appendix B, and downhole sections showing the geological units are shown in Appendix D.

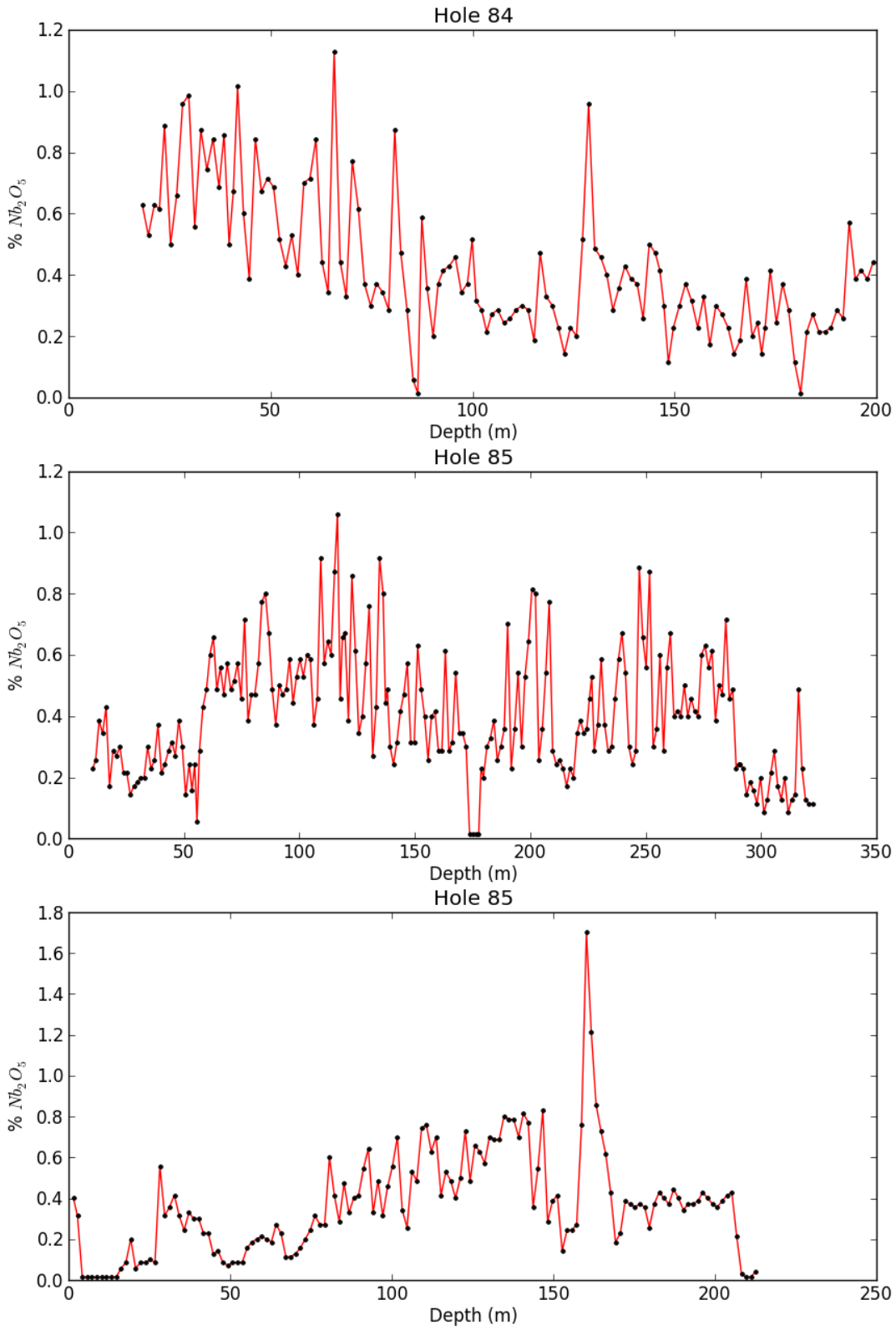

Figure 1. A downhole profile of niobium mineralization for each drillhole.

5.0 Conclusions and Recommendations

Recommendations for exploration on the property are well summarized in Chance (2015). The most important remarks are summarized below:

i. More accurate recovery of the Dominion Gulf Co. coordinate grid by locating additional landmarks
ii. Complete additional QA/QC checks on Sarissa Resources'/ Nio-Star's previous assays, including reanalysis of stored pulps and rejects to better assess the assay quality and accuracy
iii. Completion of an airborne vertical gradient magnetic survey to aid in both delineating the extent of known mineralization and to select future exploration targets

The outcome an updated resource estimate and the airborne magnetic survey will allow for directing future exploration work on the D-Zone more effectively.

References

Chance, P. (2010). Nemegosenda Lake Niobium Property; A 43-101 Compliant Technical Report Prepared for Sarissa Resources. Available on SEDAR.

Chance, P. (2015). Nemegosenda Lake Niobium Property; A 43-101 Compliant Technical Report Prepared for Sarissa Resources. Available on SEDAR.

Appendix A: Author's Qualifications

1. I have a valid Ontario Prospector's License (#1007743)
2. I have a Bachelor of Science degree from Queen's University majoring in geological engineering (Graduated spring, 2014).
3. I have been involved in mineral exploration activities pertaining to geophysical surveying, diamond drilling, and prospecting programs in Northern Ontario for the past 4 years.

Signed 14 May, 2015:

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Lucas Currah

Appendix B: Drill Logs

Please see attached pages.

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Hole ID:	DDH-14-84	**Easting:**	344516.63	**Azimuth:**	0	**Started:**	10/17/2014
Claim:	20621 MG	**Northing:**	5320552.34	**Dip**	-90	**Finished:**	10/23/2014
Township:	Chewett	**Datum:**	UTM NAD83 Z17N	**Depth (m):**	200	**Storage:**	Chapleau, ON
				Overburden (m):	17.5	**Date Logged**	10/23/2014
Company	Sarissa Resources Inc.			**Core Size:**	NQ	**Logged by:**	A. Korbukh
Drilled by:	Acklo Diamond Drilling Ltd.			**Elevation:**	378.34		

From m	To m	Interval m	Description	Accessory Minerals	RQD%
0	17.5	17.5	**Overburden**		45
17.50	39.00	21.50	**Malignite.**17.5-22.3 m dark green with brownish tinge, fine grained		80
			moderately to strongly graphitized fractured malignite. Moderately	Py- trace	80
			magnetic.	graphite- mod. to strong	80
			22.3-38.0 m light green moderately brecciated unit, augite-aegerine	aegirine-augite	80
			pervasive, moderately chloritized, locally porphyrytic, weak K-spar	magnetite-moderate	80
			alteration observed within the unit. Unit includes minor red fenite dike	Py-trace to 0.2%	80
			form 34.1-34.6 m depth, contacts are sharp, 70&60 degrees to core		80
			axis.		80
39.00	41.10	2.10	**Red alkalic fenite**(previously described as orthoclase rich rock).		85
			red, medium grained alkalic fenite, conacts gradational	K-spar- moderate	85
				hematite -pervasive	85
				chlorite- weak	85
41.10	51.50	10.40	**Malignite.**light green, moderately brecciated fine to medium	chlorite- moderate	85
			grained malignite with minor inclusions of red alkalic fenite	K-spar- moderate	85
				Py-trace to 0.2%	85
				aegerine-augite-weak	85
				magnetite- weak to mod.	85
51.50	84.60	33.10	**Mixed Zone. Predominantely malignite+40% of red**	Fe-carbonate-pervasive	85
			alkalic fenite.	K-spar- moderate	85
			green to red and brownish(ferro-carbonate), moderately brecciated	hematite-moderate	85
			and faulted from 68.0-68.9 m depth.	py- trace	85
				pyrochlote-trace	85
84.60	86.90	2.30	**Fault Zone.** strongly brecciated , faulted with minor gouge in		50
			fractures unit		50
86.90	100.35	13.45	**Malignite.** Predominantely malignite with minor strongly brecciated	Pyrochlor -trace	80
			fragments of red alkalic fenite, britally deformed from 89.0 to 91.5 m	graphite -moderate	80
			depth.		80
100.35	110.05	9.70	**Feldspar-Porphyrytic Syenite Dike**.	Pyrochlore - pervasive	95
			Red, massive, phenocrysts are subhedral and well developed.		95

From m	To m	Interval m	Description	Accessory Minerals	RQD%
			pyrochlor pervasive in minor sovite veinlets observed within the unit		95
			upper contact chilled over 0.25 m length and slightly brecciated		95
			at 60 degrees to core axis, lower gradational		95
110.05	146.75	36.70	**Mixed Zone.**	biotite-pervasive	95
			comprised of fragments of feldspar porphyrytic syenite,	Pyrochlore-visible	95
			biotitized fenite, aegerin-augite fenite and malignite. Pyrochlore vi		95
			sible in sovite veinlets. The unit is moderately to strongly brecciated		95
			predominantely brittle deformation.		95
146.75	171.15	24.40	**Red Alkalic Fenite(previously described as orthoclase rich rock).**	Pyrochlore -weak	50
			strongly brecciated and faulted form 152.0-154.5 and from 158.0-163.5 m	graphite-strong	50
			depth red fenite. Comprised of orthoclase, microcline, albite,	hematite-strong	50
			biotite, nepheline. Strong graphite alteration observed in fractures.	py-mod. in Sovite veinlet	50
			pervasive Sovitic material(veins+veinlets) presented in the unit.		50
171.15	172.90	1.75	**Sovite.**		75
			Strongl breeccieted sovite vein. Includes fragments of strongly graphitized	Pyrochlore-weak	75
			red alkalic Fenite. Contacts are sharp, 30&45 degrees to core axis.		75
172.90	200.00		**Oikocrystic Malignite.**		90
			Reddish-green, medium grained,hypidiomorphic, comprise of nepheline,	biotite-pervasive	90
			orthoclase**,** biotite, aegerine-augite, carbonate-trace.	aegerine-augite-weak to r	90
			faulted from 180.0 to 181.3 m depth at 60&60 degrees to core axis		90
		END	**HOLE**		

Hole ID:	DDH-14-85	**Easting:**	344456.46	**Azimuth:**	40	**Started:**	10/25/2014
Claim:	S82918	**Northing:**	5320346.72	**Dip**	-45	**Finished:**	11/3/2014
Township:	Chewett	**Datum:**	UTM NAD83 Z17N	**Depth (m):**	323	**Storage:**	Chapleau, ON
				Overburden (m):	10	**Date Logged:**	11/3/2014
Company	Sarissa Resources Inc.			**Core Size:**	NQ	**Logged by:**	A. Korbukh
Drilled by:	Acklo Diamond Drilling Ltd.			**Elevation (m):**	377.8		

From m	To m	Interval m	Description	Accessory Minerals	RQD%
0	**10**	**10.00**	**Overburden**		
10.00	**55.30**	**45.30**	**Rheomorphosed Fenite**		70
			dark red with local greenish tinge to dark and light green, fractured ,	Py-0.5%	
			brecciated and strongly rheomorphosed unit. The unit contains	magnetite-mod to strong	
			fragments of well developed malignitic material with pervasive	aegerine-augite-weak	
			content of aegerine-augite. Red fenitic fragments are porphyrytic,	hematite- moderate	
			feldspar phenos size varies form 0.5 mm to 0.5 cm .	siderite -pervasive in fractures	
			Minor carbonate veins and veinlets observed within the unit, few	limonite- weak after siderate	
			ribboned at 70-75 degrees to core axis.		
55.30	**57.40**	**2.10**			
			Brecciated Carbonate/ Sovite Vein		40
			Upper contatct brecciated (65 C.A.) dominated by pink calcite (slightly	magnetite- weak	
			hematized?) transitioning into sovite, dark green to black pyroxene-	graphite- weak	
			rich malignitic material, and carbonate. Fractures show limonite,	hematite- weak	
			siderite, and minor graphite. Contains small amounts of epidote.	limonite- strong in fractures	
			Unit shows very weak magnetism. Lower contact is gradational (ductile)	siderite- strong in fractures	
57.40	**83.00**	**25.60**	**Mixed Zone**	andradite- weak in frctures	85
			57.4 - 59.0 - Dark green to black pyroxenitic fenite. Local		
			phenocrysts of pink to light pink KSPAR up to 0.7 cm. Contacts are		
			gradational.		
			59.0 - 66.7 - Light pinkish red to red unit to light and dark green.	aegerine-augite-moderate	
			Malignitic material occurs with locally strong aegerine-augite alter.	carbonate-weak	
			Contacts with porphyritic red alkalic fenite can be sharp or poorly		
			defined. Slightly rheomorphic textures may occur in some		
			of the fenite intervals		
			66.7 - 69.5 - Dark to light green malignite. Abundant	aegerine-augite- strong	
			aegerine-augite mineralization. Some elongated crystals can reach up	carbonate- weak	
			to 2 cm in size. Moderate chlorite alteration observed within the unit.	py-trace	
			69.5 - 83 Light and Dark red to light and dark green. Red alkalic fenite	carboanate-moderate	
			cross cut by dykes and stringers of malignite. Contacts are sharp to	aegerine-augite moderate	
			poorly defined. Carbonate is locally pervasive in malignitic phases.	hematite-weak	
			Some malignitic phases appear weakly chloritized. Some fenites		
			appear weakly hematized.		
83.00	**118.30**	**35.30**	**Malignite.**		95
			medium to dark green with local reddish tinge and red . Medium to	Pyrochlore-weak	
			fine grained, moderately brecciated(predominantely brittle deformation),	aegerine -augite- moderate	
			locally well developed malignite. The unit comprised of well developed	Py- weak	
			malignite 70% and aegerine-augite syenite 20%	magnetite-weak	
			locally porphyrytic, potassium feldspar is predominantely clear,	K-spar -pervasive in syenitic	
			anhedral orthoclase.	frg.	
			Pyrochlore is not abundant and poikilitacally enclosed within and		
			marginal to the aegerine-augite crystals.		
			two Feldspar Porhpyritic Syenite dykes observed within the unit from		
			98.4-88.8 m length and form 103.5-105.0 m , contacts are sharp,		
			generally 70 degrees to core axis.		

From m	To m	Interval m	Description	Accessory Minerals	RQD%
118.30	**137.60**	**19.30**	**Aegerine-Augite Syenite.(Transitional into Malignite)**	Magnetite-moderte to strong	95
			dark green with local reddish tinge, medium grained, weakly brecciated	aegerine-augite-pervasive	
			with minor Biotite-Carbonate Lamprophyre fragments a-a syenite	carbonate-moderate	
			aegerine-augite up to 50% of the rock mass, , potassium feldspar up to	Py- trace in fractures	
			10-15%, moderately to strongly magnetic.Transitional phase into malignite	Biotite-moderate	
137.60	**173.00**	**35.40**	**Oikocrysic Malignite.**	Biotite-moderate	
			dark green-reddish, locally foliated, oikocryst of potassium feldspar varied	pyroxene-rich	95
			in size form 5mm to 1.5 cm. Amoeboidal orthoclase feldspar observed	Py- moderate in fractures	
			visin the unit. Minor Biotite-carbonate Lamprophyre dykes observed	Pyrochlore-weak	
			within the unit. Sovitic matrial presented as anastomosing and locally,		
			ribboned veinlets.		
173.00	**178.40**	**5.40**	**Feldspar Porphyritic Syenite Dyke.**	biotite-pervasive	95
			Light red-brownish, porphyrytc, enriched with biotite alkalic syenite dyke.		
			contacts are sharp 70&80 degrees to core axis		
178.40	**226.30**	**47.90**	**Mixed Zone.**	hematite-strong	90
			Deformation zone. Green-red ,strongly brecciated and fractured core .	K-Spar- moderate	
			The unit comprisd of malignite(predominantely), fragments of Red Alkalic	Pyrochlor- trace to moderate	
			Fenite, Porphyrytic Syenite, Rheomorphosed fenite.		
			Moderate radiation encountered from 200.0-204.0 m length, up to 900 cps.		
			Strongly brecciated carbonatite dyke observed form 222.7 to 224.3 m length.		
			upper contact is sharp , 60 degrees to ca, lower gradational.		
226.30	**273.50**	**47.20**	**Pyroxenitic Fenite.**	Pyrochlor- trace to moderate	90
			dark green to fragmentally red, massive, pyroxene rich with xenolitic	Magnetite-moderate to strong	
			fragments unit	Biotate- fragmentally strong	
			Minor ijolitic and malignitic phases observed within the unit.	Py- euhedral in fractures	
			Two youngest carbonatite/Sovite dykes intruded in the unit at 242.4- 243.2 m		
			and 245.4 -246.4 m depth, contacts are sharp, 60&60 degrees to ca and 60&70		
			degrees accordingly.		
273.50	**290.50**	**17.00**	**Mixed Zone.**	Pyrochlore-weak	95
			Medium green to dark green and locally red .Deformation zone.	Chlorite- moderate to strong	
			The unit comprisd of malignite fragments, Feldspar Porphyrytic Syenite Dykes,	hematite-strong	
			and fragments of Red Alkalic Fenite.	Py- trace in fractures	
			Moderate chlorite, pyroxene and hematite are main alterations of the unit.		
			Pyrochlore weakly presented and poikilicly enclosed in Aegerine-Augite		
			envelops.		
290.50	**323.00**	**32.50**	**Pyroxenitic Fenite.**	Magnetite-moderate to strong	95
			drark green to almost black with reddish tinge, porphyrtic melanocratic rock.	hematite-strong	
			upper contact strongly deformed and contains xenolithic fragments varied in	pyroxene-strong	
			size from 2.0 cm to 10 cm .The unit is moderately to strongly pyroxenitized and		
			hematized. Pyrochlore is not presented in this unit.		
			Three carbonatite Dykes observed within the unit;		
			311.2-312.7 m , 317.4-318.0 m and 319.2-319.5 m, contacts are sharp,70&75 , 60&		
			and 60&60 degrees to core axis accordingly.		
			END OF HOLE		
Hole terminated at 323m instead of planned 330m due to rig problems at depth					

Sarissa Resources Inc.

Nemegosenda		**UTM**		**Claim: S82918**	**NQ Core**
Hole	DDH-14-86	5320343.82	N	**Township: Chewett**	**Logged by: L. Currah**
Azimuth	40.00	344417.37	E	**DGC Local Grid Coordinates**	**Supervised by: W. Hawkins**
Dip	-45.00	**UTM ZONE 17**	E	19972.3 ft	**Assay Lab (s): AGAT (Mississauga)**
Depth (m)	213.1	**NAD 83**	N	20726.5 ft	**Storage: Chapleau, ON**
Ele. (m)	376.82			**Start: November 06, 2014; End: November 10, 2014**	**Drilled by: Atko Drilling**

From	*To*	*Rock Type*	*Code*	Description	Acessory Minerals
0.00	1.00	Overburden		**casing left in hole**	
1.00	3.30	Oikocrystic Malignite		**Dark green, fine grained matrix with white to red**	
				phenocrysts of potassium feldspar. Feldspar	
				phenocrysts , poikolitically enclose grains of	
				pyroxene.	
				Phenocrysts are anhedral to euhdral, up to 1.5 cm.	
				Some areas of potassium feldspar crystals appear	
				anhedral and massive, possibly partially remelted	
3.30	11.80	Mafic Syenite Dyke		**Red to dark red, with sharp upper contact (70**	
				degrees to CA), gradational lower contact	
				Potassium feldspar rich (60-80 %), fine	
				grained pyroxene (15-20%), and minor biotite	
				(5 - 10%). Some fragments of malignitic units.	
11.80	20.40	Mixed Zone		**Reddish brown to dark brown to dark green. Red**	**magnetite- mod to strong**
		intervals of fenitized		**potassium feldspar phenocrysts. Some areas of**	**chlorite- weak**
		malignite, fenite,		**alkalic fenite. Mostly appears to be fenitzed**	
		and oikocrystic		**oikocrystic malignite, with magnetite poikolitically**	
		malignite		**enclosed in some K-feldspar grains.**	
				Magnetite is locally	
				pervasive, massive and greyish silver. Some areas	
				appear to be slightly rheomorphic, anhedral	
				potassium feldspar. Lower area (19.0-24.0) has minor	
				carbonate veinlets assoicated with minor	
				chloritization at 60 degrees to CA.	
20.40	21.90	Syenite Dyke		**Fine grained, dark red syenite dyke. Sharp contacts**	**pyrite-fractures**
				at 45/15 degrees to CA. Contains fragments of	**limonite-fractures**
				malignitic material. ~10 % pyroxene, 90 % potassium	
				feldspar. Pyrite, limonite occur on fractures	
21.90	50.90	Mixed Zone		**Light to dark red, to light to dark green. Rheomorphic**	**Chlorite- moderate**
		fenite, fenitized		**alkalic fenite mixed with malignitic material. Some fenite**	**pyrite- trace**
		malignite and		**has porphyritic texture with larger K-feldspar grains**	
		malignite		**Contacts appear poorly defined to gradational.**	
				Malignite-rich area 27.8 to 29.4 m. Small sovite veins	
				from 35.5 to 35.6 m, at 20 degrees to CA. And	
				38.9 to 39.4 m (85/20 to CA). These veinlets are	
				associated with ~5 % local pyrite. Lower contact is	
				gradational from a fine grained, (remelted?) mafic (pyroxenitic	
				syenite into a rheomorphic fenite unit (47.9 to 50.9).	

From	*To*	*Rock Type*	*Code*	Description	Acessory Minerals
				This interval is cut by narrow, minorly hematized carb veinlet.	
50.90	79.60	Porphyritic alkalic		Light to dark brownish red, with narrow green bands common.	magnetite- weak, locally strong
		fenite,narrow intervals		Upper contact is gradational, with the upper portion consisting o	chlorite- weak
		and fragments of		feldspar rich, porphyritic, rheomorphic fenite. Intervals o	carbonate- weak
		malignite		fenite are porphyritic, and are minorly	pyrite- trace
				rheomporphic. There are fragments and/or seams of	
				malignite, or aegerine-augite rich malignitic	
				units with poorly defined contacts. These	
				seams/fragments are moderately to highly magnetic with	
				massive magnetite common. Seams have	
				moderate chloritization and range from 10-15 deg	
				to 40-50 deg. To CA. Narrow sovite veinlets occur a	
				51.1 (80 deg to CA), 64.4 m (15 deg to CA), and 69.7m (80 deg	
				to CA) containing veinlets of pyrite, and	
				are non-magnetic.	
79.60	87.90	Mixed Zone		Dark red, to light to dark green unit.	aegerine-augite- moderate
		Alkalic Fenite,		Mixed zone of red alkalic fenite, cross-cut by malignite (dykes?)	to strong
		Malignite (Dykes?),		with sharp to poorly defined contacts. Some intevals are	magnetite- moderate to
		Augerine-Augite		porphyritic aegeirne-augite syenite. Malignitic areas car	strong
		Syentite		show pervasive aegerine-augite mineralization. Unit is	Pyrochlore- moderate
				moderately magnetitc. Strong magnetism occurs locally where	chlorite- weak to mod
				massive silvery magnetite occurs. Some fenites are porphyritic	carbonate- weak
				and rheomorphic, non magnetic. Fine grained pyrochlore	pyrite- trace
				poikolitically enclosed in a-a grains. Sharp contacts are at 55-7(	
				deg. to CA.	
87.90	101.37	Malignite, carbonate-		Light to dark green, fine grained unit. Breccia zones are fine	aegerine-augite- weak to mod.
		breccia zones		grained and dark green to black, except for carbonate rich zones.	magnetite- weak
		(brittle faults?)		Breccia zones are weakly hematized, with large brownish-black	carbonate- weak to strong
				biotite grains. Fine grained, pyroxenitic contacts occur in breccia	hematite- weak
				zones, moderate to heavily chloritized. Can contain abundant	pyrite- trace, locally moderate
				carbonate, with some seams of nepheline (quartz?). Malignite is	
				fine grained, with local areas of pervasive aegerine-augite	
				alteration. Malignite is highly chloritized between breccia	
				94.4-94.8 (50 deg to CA), 96-97 (45 deg to CA), 89-89.6 (40 deg	
				to CA). Carbonate is weakly hematized, contacts are fine gained	
				and contain potassium feldspar phenocryst s(white to light pink)	
				Carbonate veinlets in malignite occur at 15-20 deg to CA, ~45 deg	
				to CA, and 70 deg to CA in upper portion of unit. Chloritization is	
				more intese around these carbonate stringers.	
				lower contact is gradational	
101.37	121.10	Mixed zone, malignite		Fenitized intervals are red to dark red, malignitic units are green	aegerine-augite mod. To
		seams, porphyritic		to dark green, with chloritized areas light green and associated with	strong
		alkalic fenite, fenite,		carbonate veining and veinlets. Fenite intervals can be	chlorite- weak
		malignite to aegerine		porphyritic. Fenite is cross cut by aegerine-augite and carbonate	carbonate- weak to mod
		augite syenite, sovite		rich malignitic units, with sharp to poorly defined contacts. Fenitized	hematite- weak
		veins and veinlets		units have poorly defined contacts with fine grained malignite,	pyrite- trace, mod in sovite
				and malignite units are gradational into aegerine-augite	veins
				syenite. Sovite veinlets and veins are common, and contair	

From	To	Rock Type	Code	Description	Acessory Minerals
				minor amounts of biotite, and some are weakly hematized. Small	
				intervals of porphyritic alkalic syenite are also present	
				Small blocky fault zone/ slip surface weakly carbonatizes, chloritized, and	
				weakly graphitized. Sovite veins and veinlets occur at approx. 15	
				deg to CA, or 45-60 deg to CA. Sharp contacts with aegerine-	
				augite malignitic units occur at 65-80 deg to CA. Patches of acicula	
				aegerine-augite throughout.	
121.10	145.90	Malignite		Light to dark green. Uniformly fine grained malignite, upper	chlorite- weak to mod
				portion from 121.1-128.6 is weakly fenitized and has greater	carbonate- weak to mod
				K-feldspar content. The unit is regarly cuy by small, narrow	aegerine-augite- mod to strong
				carbonate and sovite veinlets, which are associated with	hematite- trace
				chloritization. Acicular aegerine-augite grains oriented parallel to	
				CA, up to 8 cm long from 132.9 - 133.4 m. Locally pervasive	
				coarse aegerine-augite. Narrow, weakly fenitized seams	
				throughout. Carbonate veinlets at 45-55 deg to CA. Sovite veinlets	
				at 75-80 deg to CA.	
145.90	172.70	Malignite, sovite		Light to dark green, with some greenish black intervals. Fenitized	carbonate- strong
		breccia, ijolite,		intervals and rhemoprhics appear pink to pinkish red.	chlorite- strong
		rheomorphic fenite		Chloitized, brecciated malignite, hematized intervals common	hematite- moderate
				Rock has a brecciated texture, and is strongly	magnetite- weak to locally
				carbonated and filled with sovitic material. Sovite is moderately	strong
				hematized.	aegerine-augite- moderate
				Intervals of ijolite, or ijolitic malignite are common	
				with fine grained biotite, magnetite is pervasive towards	
				the bottom of the interval. Malignitic phases are moderately to	
				strongly magnetic, and fenite and carbonate/ sovite phases are	
				non-magnetic. Malingitic phases are fine grained, and show	
				aegerine-augite alteration. Fenitized intervals are porphyritic	
				and appear partially rheomorphosed. Some brecciated intervals	
				contain nepheline (?) associated with abundant pyrite, smaller	
				blebs associated with carbonate veins. Siderite observed in	
				deepest sovite vein. Sovite veins occur mostly from 15-20 deg to	
				CA with narrower less common intervals at 45 - 60 deg to CA.	
172.70	206.90	Pyroxenitic Fenite		Dark green to greenish black, reddish tinge. Fine grained,	hematite-weak
				pyroxenitic matrix, with anhedral to subhedral K-feldspar	graphite- strong in fractures
				phenocrysts up to 0.7 cm. Unit is weakly folidated at 60 deg to CA.	near sovite veins
				Thin carbonate veinlets are common at 15 - 30 deg to CA. Weakly	chlorite- weak
				hematized, with moderate hematite alt. near sovite veins, and	
				carb. veinlets. Sovite veins occur at 184.8-185.6 at 15 deg to CA	
				191.4-191.5 at 85 deg to CA, and 194.5-194.6 at 20 deg to CA.	
				Coarse biotite occurs at margins of sovite veins, and contacts	
				have graphitized fractures. Small areas of ijlotic phases near	
				contacts of sovite veins. Weakly chloritized near carb. veinlets	
206.90	212.40	Mafic Syenite		Light pink to red, greenish tinge. Fine to medium grained, K-	carb - weak
		dyke (?)		feldspar rich rock, with biotite (~15 %). 5-20 % pyroxene.	hematite- weak to modeate
				Anhedral to subhedral	
				K-feldspar phenocrysts up to 0.5 cm. Appear to be fragments of	
				phases of pyroxenitic material. Unit cut by narrow sovite and	

From	*To*	*Rock Type*	*Code*	Description	Acessory Minerals
				and carb. veinlets. Poorly defined, gradational contacts.	
212.40	213.10	Pyroxenitic Fenite		**As above unit from 172.7 - 206.9. Lesser amounts of K-feldspa**	**hematite- weak**
				phenocrysts, more pyroxenitic.	
				End of Hole	

Appendix C: Nb_2O_5 Assays

Please see attached pages.

Hole 84

Sample	From	To	% Nb2O5
5731101	17.5	19	0.629
5731102	19	20.5	0.529
5731103	20.5	22	0.629
5731104	22	23	0.615
5731105	23	24.5	0.887
5731106	24.5	26	0.501
5731107	26	27.5	0.658
5731108	27.5	29	0.958
5731109	29	30.5	0.987
5731110	30.5	32	0.558
5731111	32	33.5	0.873
5731112	33.5	35	0.744
5731113	35	36.5	0.844
5731114	36.5	38	0.687
5731115	38	39	0.858
5731116	39	40.5	0.501
5731117	40.5	41.1	0.672
5731118	41.1	42.6	1.016
5731119	42.6	44	0.601
5731120	44	45.5	0.386
5731121	45.5	47	0.844
5731122	47	48.5	0.672
5731123	48.5	50	0.715
5731124	50	51.5	0.687
5731125	51.5	53	0.515
5731129	53	54.5	0.429
5731130	54.5	56	0.529
5731131	56	57.5	0.401
5731132	57.5	59	0.701
5731133	59	60.5	0.715
5731134	60.5	62	0.844
5731135	62	63.5	0.443
5731136	63.5	65	0.343

Hole 85

Hole	From	To	% Nb2O5
5731243	10	11	0.229
5731244	11	12.5	0.257
5731245	12.5	14	0.386
5731246	14	15.5	0.343
5731247	15.5	17	0.429
5731248	17	18.5	0.172
5731249	18.5	20	0.286
5731250	20	21.5	0.272
5731251	21.5	23	0.300
5731252	23	24.5	0.215
5731253	24.5	26	0.215
5731254	26	27.5	0.143
5731255	27.5	29	0.172
5731256	29	30.5	0.186
5731257	30.5	32	0.200
5731258	32	33.5	0.200
5731259	33.5	35	0.300
5731260	35	36.5	0.229
5731261	36.5	38	0.257
5731262	38	39.5	0.372
5731263	39.5	41	0.215
5731264	41	42.5	0.243
5731265	42.5	44	0.286
5731266	44	45.5	0.315
5731267	45.5	47	0.272
5731271	47	48.5	0.386
5731272	48.5	50	0.300
5731273	50	51.5	0.143
5731274	51.5	53	0.243
5731275	53	54	0.157
5731276	54	55.3	0.243
5731277	55.3	56	0.057
5731278	56	57.4	0.286

Hole 86

Hole	From	To	% Nb2O5
5731482	1	2	0.401
5731483	2	3.5	0.315
5731484	3.5	5	0.014
5731485	5	6.5	0.014
5731486	6.5	8	0.014
5731487	8	9.5	0.014
5731488	9.5	11	0.014
5731489	11	12.5	0.014
5731490	12.5	14	0.014
5731491	14	15.5	0.014
5731492	15.5	17	0.057
5731493	17	18.5	0.086
5731494	18.5	20	0.200
5731495	20	21.5	0.057
5731496	21.5	23	0.086
5731497	23	24.5	0.086
5731498	24.5	26	0.100
5731499	26	27.5	0.086
5731500	27.5	29	0.558
5731501	29	30.5	0.315
5731502	30.5	32	0.358
5731503	32	33.5	0.415
5731504	33.5	35	0.315
5731505	35	36.5	0.243
5731506	36.5	38	0.329
5731510	38	39.5	0.300
5731511	39.5	41	0.300
5731512	41	42.5	0.229
5731513	42.5	44	0.229
5731514	44	45.5	0.129
5731515	45.5	47	0.143
5731516	47	48.5	0.086
5731517	48.5	50	0.072

Hole 84

Sample	From	To	% Nb2O5
5731137	65	66.5	1.130
5731138	66.5	68	0.443
5731139	68	69.5	0.329
5731140	69.5	71	0.772
5731141	71	72.5	0.615
5731142	72.5	74	0.372
5731143	74	75.5	0.300
5731144	75.5	77	0.372
5731145	77	78.5	0.343
5731146	78.5	80	0.286
5731147	80	81.5	0.873
5731148	81.5	83	0.472
5731149	83	84.6	0.286
5731150	84.6	86	0.057
5731151	86	86.9	0.014
5731152	86.9	88	0.587
5731156	88	89.5	0.358
5731157	89.5	91	0.200
5731158	91	92	0.372
5731159	92	93.5	0.415
5731160	93.5	95	0.429
5731161	95	96.5	0.458
5731162	96.5	98	0.343
5731163	98	99.5	0.372
5731164	99.5	100.35	0.515
5731165	100.35	101.5	0.315
5731166	101.5	103	0.286
5731167	103	104	0.215
5731168	104	105.5	0.272
5731169	105.5	107	0.286
5731170	107	108.5	0.243
5731171	108.5	110.05	0.257
5731172	110.05	111.5	0.286

Hole 85

Hole	From	To	% Nb2O5
5731279	57.4	59	0.429
5731280	59	60.5	0.486
5731281	60.5	62	0.601
5731282	62	63.5	0.658
5731283	63.5	65	0.486
5731284	65	66.5	0.558
5731285	66.5	68	0.472
5731286	68	69.5	0.572
5731287	69.5	71	0.486
5731288	71	72.5	0.515
5731289	72.5	74	0.572
5731290	74	75.5	0.458
5731291	75.5	77	0.715
5731292	77	78.5	0.386
5731293	78.5	80	0.472
5731294	80	81.5	0.472
5731298	81.5	83	0.572
5731299	83	84.5	0.772
5731300	84.5	86	0.801
5731301	86	87.5	0.672
5731302	87.5	89	0.486
5731303	89	90.5	0.372
5731304	90.5	92	0.501
5731305	92	93.5	0.472
5731306	93.5	95	0.486
5731307	95	96.5	0.587
5731308	96.5	98	0.443
5731309	98	99.5	0.529
5731310	99.5	101	0.587
5731311	101	102.5	0.529
5731312	102.5	104	0.601
5731313	104	105.5	0.587
5731314	105.5	107	0.372

Hole 86

Hole	From	To	% Nb2O5
5731518	50	51.5	0.086
5731519	51.5	53	0.086
5731520	53	54.5	0.086
5731521	54.5	56	0.157
5731522	56	57.5	0.186
5731523	57.5	59	0.200
5731524	59	60.5	0.215
5731525	60.5	62	0.200
5731526	62	63.5	0.186
5731527	63.5	65	0.272
5731528	65	66.5	0.229
5731529	66.5	68	0.114
5731530	68	69.5	0.114
5731531	69.5	71	0.129
5731532	71	72.5	0.157
5731533	72.5	74	0.200
5731534	74	75.5	0.243
5731538	75.5	77	0.315
5731539	77	78.5	0.272
5731540	78.5	80	0.272
5731541	80	81.5	0.601
5731542	81.5	83	0.415
5731543	83	84.5	0.286
5731544	84.5	86	0.472
5731545	86	87.5	0.329
5731546	87.5	89	0.401
5731547	89	90.5	0.415
5731548	90.5	92	0.544
5731549	92	93.5	0.644
5731550	93.5	95	0.329
5731639	95	96.5	0.486
5731551	96.5	98	0.315
5731552	98	99.5	0.458

Hole 84

Sample	From	To	% Nb2O5
5731173	111.5	113	0.300
5731174	113	114.5	0.286
5731175	114.5	116	0.186
5731176	116	117.5	0.472
5731177	117.5	119	0.329
5731178	119	120.5	0.300
5731179	120.5	122	0.229
5731183	122	123.5	0.143
5731184	123.5	125	0.229
5731185	125	126.5	0.200
5731186	126.5	128	0.515
5731187	128	129.5	0.958
5731188	129.5	131	0.486
5731189	131	132.5	0.458
5731190	132.5	134	0.401
5731191	134	135.5	0.286
5731192	135.5	137	0.358
5731193	137	138.5	0.429
5731194	138.5	140	0.386
5731195	140	141.5	0.372
5731196	141.5	143	0.257
5731197	143	144.5	0.501
5731198	144.5	146	0.472
5731199	146	146.75	0.415
5731200	146.75	148	0.300
5731201	148	149	0.114
5731202	149	150.5	0.229
5731203	150.5	152	0.300
5731204	152	153.5	0.372
5731205	153.5	155	0.315
5731206	155	156.5	0.229
5731210	156.5	158	0.329
5731211	158	159.5	0.172

Hole 85

Hole	From	To	% Nb2O5
5731315	107	108.5	0.458
5731316	108.5	110	0.916
5731317	110	111.5	0.572
5731318	111.5	113	0.644
5731319	113	114.5	0.601
5731320	114.5	116	0.873
5731321	116	117	1.059
5731322	117	118.3	0.458
5731326	118.3	119	0.658
5731327	119	120.5	0.672
5731328	120.5	122	0.386
5731329	122	123.5	0.858
5731330	123.5	125	0.615
5731331	125	126.5	0.343
5731332	126.5	128	0.401
5731333	128	129.5	0.572
5731334	129.5	131	0.758
5731335	131	132.5	0.272
5731336	132.5	134	0.429
5731337	134	135.5	0.916
5731338	135.5	137	0.801
5731339	137	137.6	0.443
5731340	137.6	138.6	0.486
5731341	138.6	140	0.300
5731342	140	141.5	0.243
5731343	141.5	143	0.315
5731344	143	144.5	0.415
5731345	144.5	146	0.472
5731346	146	147.5	0.572
5731347	147.5	149	0.315
5731348	149	150.5	0.315
5731349	150.5	152	0.629
5731350	152	153.5	0.486

Hole 86

Hole	From	To	% Nb2O5
5731553	99.5	101	0.558
5731554	101	102.5	0.701
5731555	102.5	104	0.343
5731556	104	105.5	0.257
5731557	105.5	107	0.529
5731558	107	108.5	0.486
5731559	108.5	110	0.744
5731560	110	111.5	0.758
5731561	111.5	113	0.629
5731562	113	114.5	0.701
5731640	114.5	116	0.415
5731566	116	117.5	0.529
5731567	117.5	119	0.486
5731568	119	120.5	0.401
5731569	120.5	122	0.501
5731570	122	123.5	0.730
5731571	123.5	125	0.486
5731572	125	126.5	0.658
5731573	126.5	128	0.629
5731574	128	129.5	0.572
5731575	129.5	131	0.701
5731576	131	132.5	0.687
5731577	132.5	134	0.687
5731578	134	135.5	0.801
5731579	135.5	137	0.787
5731580	137	138.5	0.787
5731581	138.5	140	0.701
5731582	140	141.5	0.815
5731583	141.5	143	0.772
5731584	143	144.5	0.358
5731585	144.5	146	0.544
5731586	146	147.5	0.830
5731587	147.5	149	0.286

Hole 84

Sample	From	To	% Nb2O5
5731212	159.5	161	0.300
5731213	161	162.5	0.272
5731214	162.5	164	0.229
5731215	164	165.5	0.143
5731216	165.5	167	0.186
5731217	167	168.5	0.386
5731218	168.5	170	0.200
5731219	170	171.15	0.243
5731220	171.15	172	0.143
5731221	172	172.9	0.229
5731222	172.9	174.5	0.415
5731223	174.5	176	0.243
5731224	176	177.5	0.372
5731225	177.5	179	0.286
5731226	179	180.5	0.114
5731227	180.5	182	0.014
5731228	182	183.5	0.215
5731229	183.5	185	0.272
5731230	185	186.5	0.215
5731231	186.5	188	0.215
5731232	188	189.5	0.229
5731233	189.5	191	0.286
5731234	191	192.5	0.257
5731238	192.5	194	0.572
5731239	194	195.5	0.386
5731240	195.5	197	0.415
5731241	197	198.5	0.386
5731242	198.5	200	0.443

Hole 85

Hole	From	To	% Nb2O5
5731354	153.5	155	0.401
5731355	155	156.5	0.257
5731356	156.5	158	0.401
5731357	158	159.5	0.415
5731358	159.5	161	0.286
5731359	161	162.5	0.286
5731360	162.5	164	0.615
5731361	164	165.5	0.286
5731362	165.5	167	0.315
5731363	167	168.5	0.544
5731364	168.5	170	0.343
5731365	170	171.5	0.343
5731366	171.5	173	0.300
5731367	173	174.5	0.014
5731368	174.5	176	0.014
5731369	176	177	0.014
5731370	177	178.4	0.014
5731371	178.4	179	0.229
5731372	179	180.5	0.200
5731373	180.5	182	0.300
5731374	182	183.5	0.329
5731375	183.5	185	0.386
5731376	185	186.5	0.257
5731377	186.5	188	0.300
5731378	188	189.5	0.358
5731382	189.5	191	0.701
5731383	191	192.5	0.229
5731384	192.5	194	0.358
5731385	194	195.5	0.544
5731386	195.5	197	0.300
5731387	197	198.5	0.529
5731388	198.5	200	0.644
5731389	200	201.5	0.815

Hole 86

Hole	From	To	% Nb2O5
5731588	149	150.5	0.386
5731589	150.5	152	0.415
5731590	152	153.5	0.143
5731594	153.5	155	0.243
5731595	155	156.5	0.243
5731596	156.5	158	0.272
5731597	158	159.5	0.758
5731598	159.5	161	1.702
5731599	161	162.5	1.216
5731600	162.5	164	0.858
5731601	164	165.5	0.730
5731602	165.5	167	0.615
5731603	167	168.5	0.429
5731604	168.5	170	0.186
5731605	170	171.5	0.229
5731606	171.5	173	0.386
5731607	173	174.5	0.372
5731608	174.5	176	0.358
5731609	176	177.5	0.372
5731610	177.5	179	0.358
5731611	179	180.5	0.257
5731612	180.5	182	0.372
5731613	182	183.5	0.429
5731614	183.5	185	0.401
5731615	185	186.5	0.372
5731616	186.5	188	0.443
5731617	188	189.5	0.401
5731618	189.5	191	0.343
5731622	191	192.5	0.372
5731623	192.5	194	0.372
5731624	194	195.5	0.386
5731625	195.5	197	0.429
5731626	197	198.5	0.401

Hole 84

Sample	From	To	% Nb2O5

Hole 85

Hole	From	To	% Nb2O5
5731390	201.5	203	0.801
5731391	203	204.5	0.257
5731392	204.5	206	0.358
5731393	206	207.5	0.544
5731394	207.5	209	0.772
5731395	209	210.5	0.286
5731396	210.5	212	0.243
5731397	212	213.5	0.257
5731398	213.5	215	0.229
5731399	215	216.5	0.172
5731400	216.5	218	0.229
5731401	218	219.5	0.200
5731402	219.5	221	0.343
5731403	221	222.5	0.386
5731404	222.5	224	0.343
5731405	224	225	0.358
5731406	225	226.3	0.458
5731410	226.3	227	0.529
5731411	227	228.5	0.286
5731412	228.5	230	0.372
5731413	230	231.5	0.587
5731414	231.5	233	0.372
5731415	233	234.5	0.286
5731416	234.5	236	0.300
5731417	236	237.5	0.458
5731418	237.5	239	0.587
5731419	239	240.5	0.672
5731420	240.5	242	0.544
5731421	242	243.5	0.300
5731422	243.5	245	0.243
5731423	245	246.5	0.286
5731424	246.5	248	0.887
5731425	248	249.5	0.658

Hole 86

Hole	From	To	% Nb2O5
5731627	198.5	200	0.372
5731628	200	201.5	0.358
5731629	201.5	203	0.386
5731630	203	204.5	0.415
5731631	204.5	206	0.429
5731632	206	207.5	0.215
5731633	207.5	209	0.029
5731634	209	210.5	0.014
5731635	210.5	212	0.014
5731636	212	213.1	0.043

Hole 84

Sample	From	To	% Nb2O5

Hole 85

Hole	From	To	% Nb2O5
5731426	249.5	251	0.558
5731427	251	252.5	0.873
5731428	252.5	254	0.300
5731429	254	255.5	0.358
5731430	255.5	257	0.601
5731431	257	258.5	0.286
5731432	258.5	260	0.558
5731433	260	261.5	0.672
5731434	261.5	263	0.401
5731438	263	264.5	0.415
5731439	264.5	266	0.401
5731440	266	267.5	0.501
5731441	267.5	269	0.401
5731442	269	270.5	0.458
5731443	270.5	272	0.415
5731444	272	273.5	0.401
5731445	273.5	275	0.601
5731446	275	276.5	0.629
5731447	276.5	278	0.558
5731448	278	279.5	0.615
5731449	279.5	281	0.386
5731450	281	282.5	0.501
5731451	282.5	284	0.472
5731452	284	285.5	0.715
5731453	285.5	287	0.458
5731454	287	288.5	0.486
5731455	288.5	290	0.229
5731456	290	290.5	0.243
5731457	290.5	291.5	0.243
5731458	291.5	293	0.229
5731459	293	294.5	0.143
5731460	294.5	296	0.186
5731461	296	297.5	0.157

Hole 86

Hole	From	To	% Nb2O5

Hole 84

Sample	From	To	% Nb2O5

Hole 85

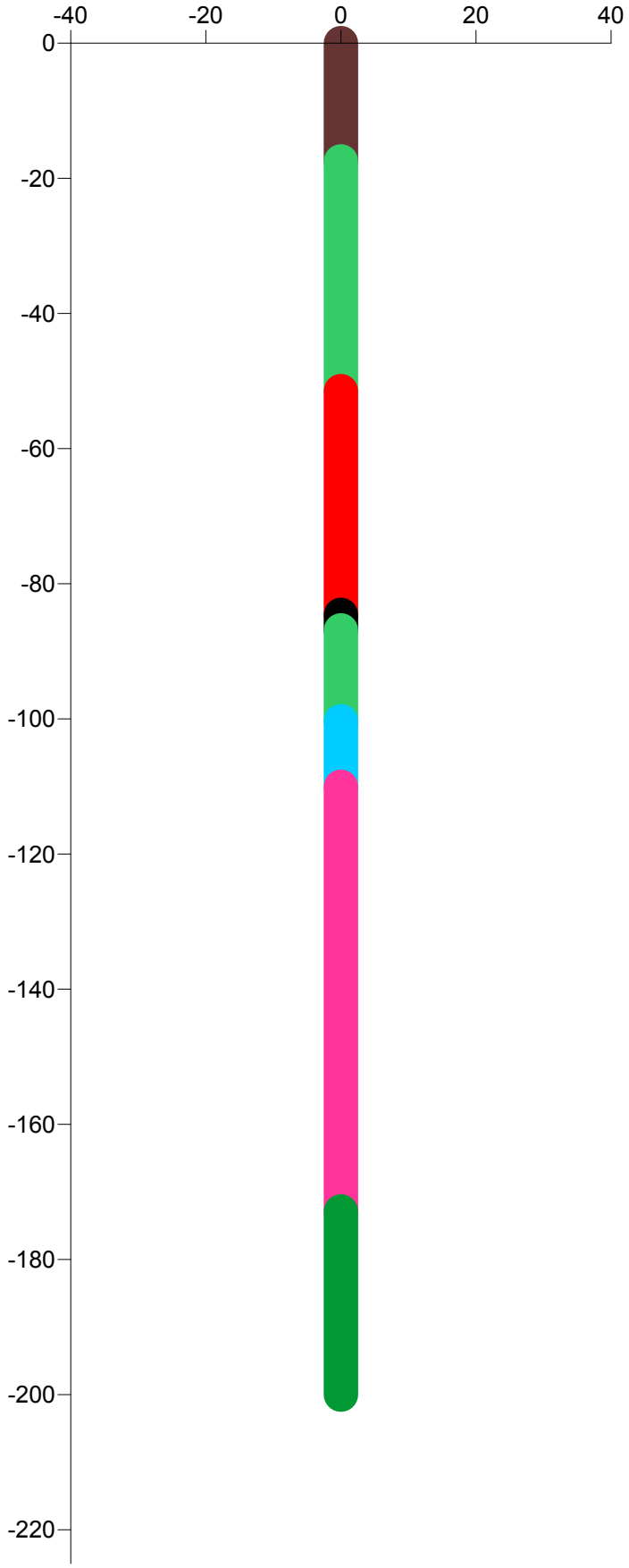
Hole	From	To	% Nb2O5
5731462	297.5	299	0.114
5731466	299	300.5	0.200
5731467	300.5	302	0.086
5731468	302	303.5	0.129
5731469	303.5	305	0.215
5731470	305	306.5	0.286
5731471	306.5	308	0.172
5731472	308	309.5	0.129
5731473	309.5	311	0.200
5731474	311	312.5	0.086
5731475	312.5	314	0.129
5731476	314	315.5	0.143
5731477	315.5	317	0.486
5731478	317	318.5	0.229
5731479	318.5	320	0.129
5731480	320	321.5	0.114
5731481	321.5	323	0.114

Hole 86

Hole	From	To	% Nb2O5

Appendix D: DDH Sections

See attached sections.



Legend

- Malignite
- Fenite
- Mixed Malignite & Fenite
- Oikocrystic Malignite
- Syenitic Dyke
- Fault

Hole: DDH-14-84
Depth: 200m
Azimuth: 0
Dip: -90
Location: 344517E, 5320552N

Section: Looking N, Up, NE Positive
Scale: 1:1,000
Drawn: L. Currah

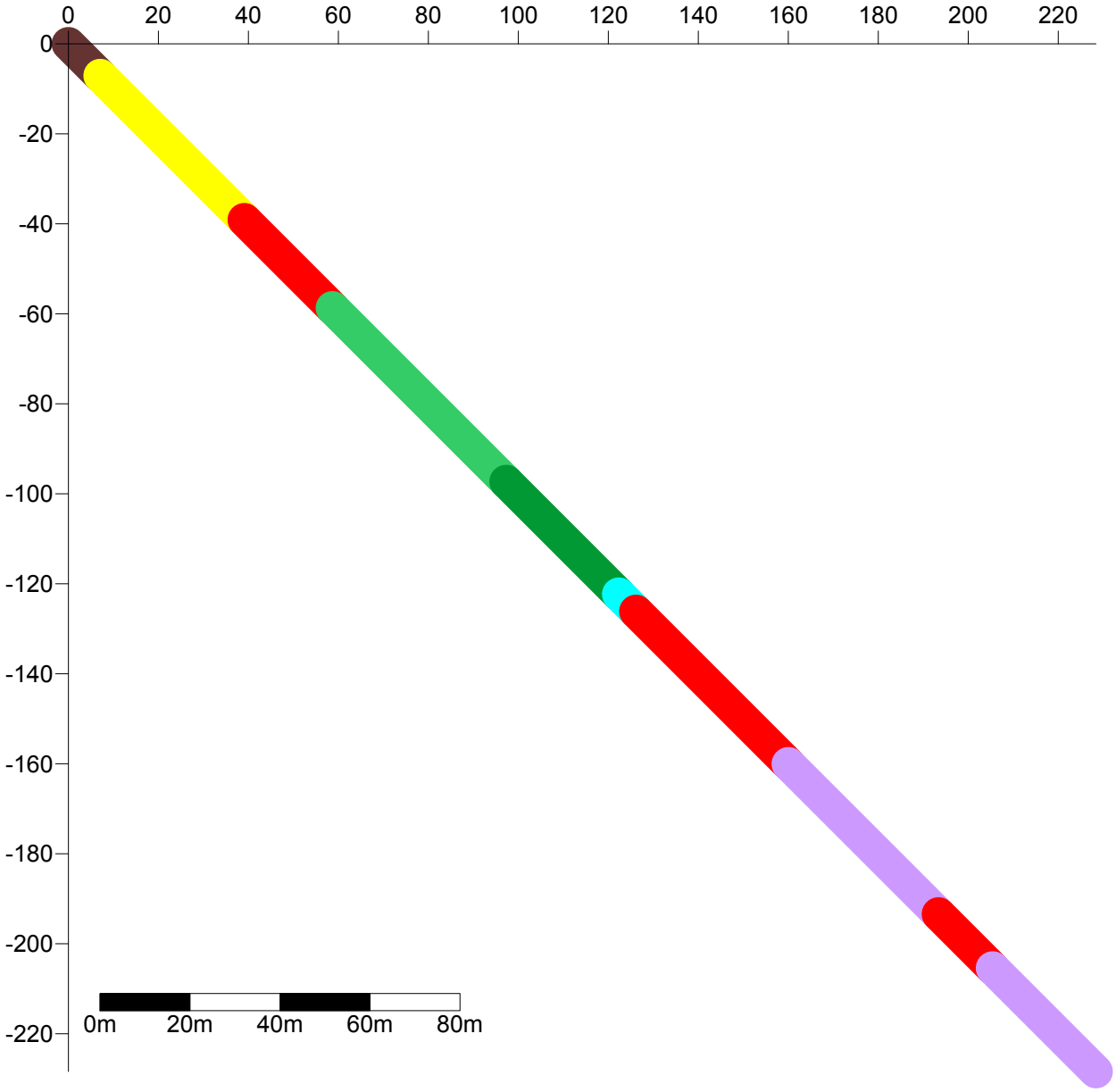
0m 20m 40m 60m 80m

Legend

- Malignite
- Oikocrystic Malignite
- Pyroxenitic Fenite
- Fenite
- Syenitic Dyke
- Mixed Malignite & Fenite
- Rheomorphic Fenite

Hole: DDH-14-85
Depth: 323m
Azimuth: 40
Dip: -45
Location: 344456E, 5320347N

Section: Looking N50W, Up, NE Positive
Scale: 1:2,000
Drawn: L. Currah

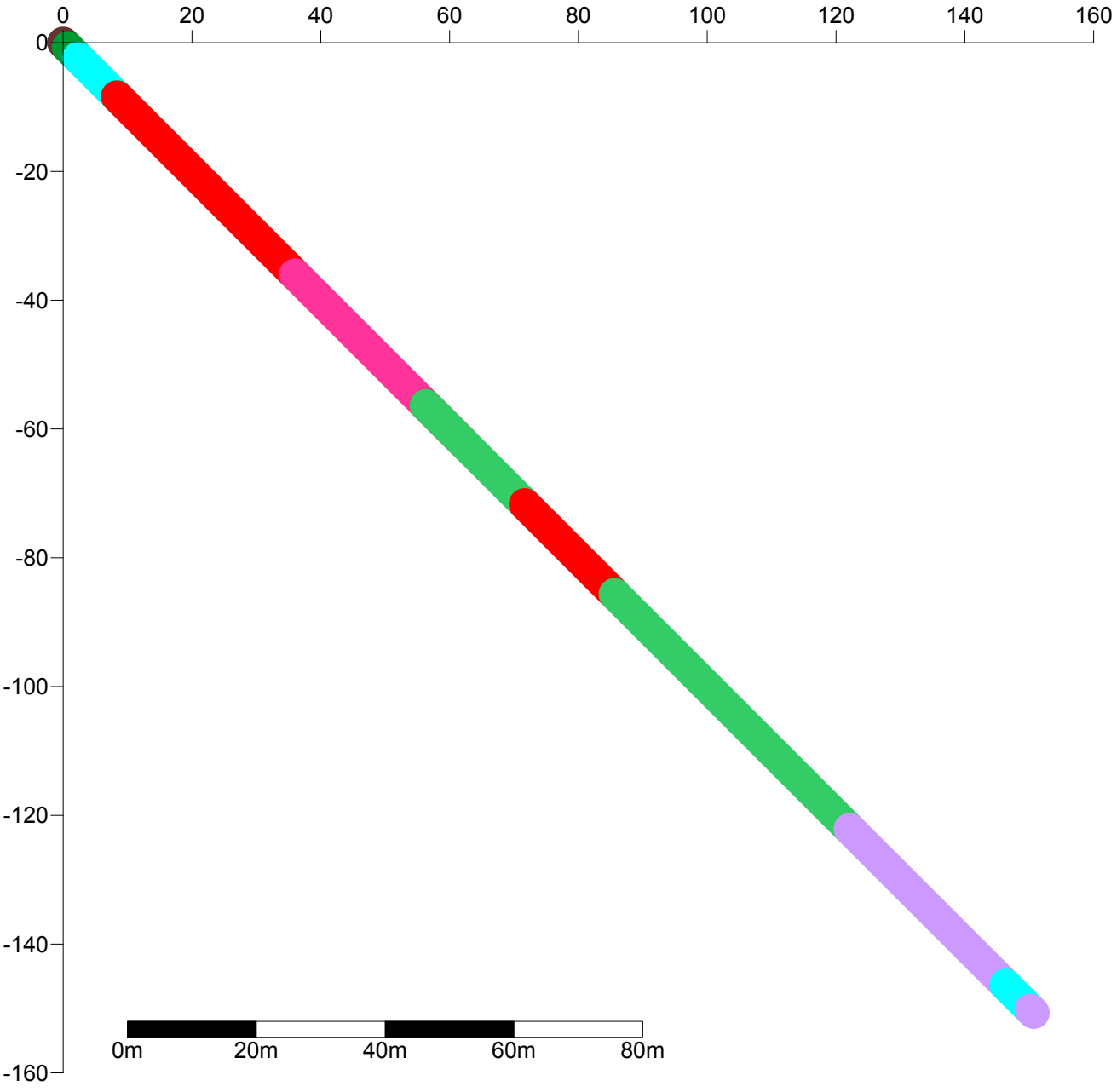


Legend

- Malignite
- Oikocrystic Malignite
- Pyroxenitic Fenite
- Fenite
- Syenitic Dyke
- Mixed Malignite & Fenite
- Rheomorphic Fenite

Hole: DDH-14-86
Depth: 213 m
Azimuth: 40
Dip: -45
Location: 344417E, 5320344N

Section: Looking N50W, Up, NE Positive
Scale: 1:1,000
Drawn: L. Currah



Appendix E: Gyro Surveying Tool Specifications

See attached pages for instrument brochure/specifications.

REFLEX®
tells you more, faster.

REFLEX GYRO

Directional surveying in all environments

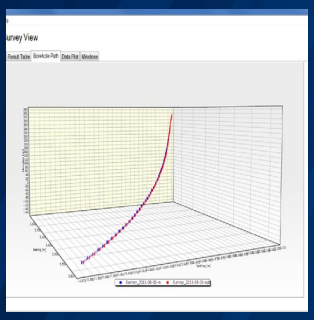
PROVEN RELIABILITY IN DELIVERING ACCURATE SURVEY DATA

The REFLEX GYRO is a complete downhole surveying instrument capable of surveying in all environments, magnetic and non-magnetic.

With proven reliability and accuracy, it utilises a digital surface referenced MEMS-gyro. Survey data, once brought to the surface, can be transferred from the onboard memory to the field PC via a high-speed Bluetooth connection. The full set of data readings can be processed using the advanced REFLEX GMIT5 navigation software, where users can tabulate, plot and export data into various formats for enhanced decision making.

Designed for operation by Drillers

The REFLEX GYRO has been designed to be simple to use yet with highly sophisticated technology inside to deliver exceptionally accurate survey results. It can be fully operated by drillers on site for cost effective surveying. As a completely remote and fully time stamped survey tool, it doesn't require a live wireline or additional equipment such as winches for operation.



Superior survey data

Highly accurate survey data is obtained through customised 'Anti-Roll' running gear and centralisers, ensuring the highest quality azimuth data, including in vertical surveying. A large range of data types, including directional data (azimuth and dip), temperature, time and roll are recorded in the onboard memory. Reports can be run through any Windows operating system and are available in xls, dxf, ASCII and ODS formats. The data cannot be altered and can be used for QA/QC and audit purposes.

Survey in all environments and directions

The REFLEX GYRO is not affected by magnetic interference and can be used inside all types of drill rods or in magnetically disturbed ground, eliminating the need to use non magnetic drill pipe configurations. It measures in all directions and is not affected by inclination, and can therefore be used in surface and underground operations and wireline or conventional drill rigs.

REFLEX GYRO

Dimensions	O.D. 32mm, L 807mm
Weight	1.1kg
Operating temperature	0°C to +70°C
Digital interface	High speed Bluetooth
Power source	High capacity re-chargeable NiMH battery packs
Operating time	<8 hours depending on environmental conditions
Dip [Inclination]	+/- 0.2°
Azimuth, gyro**	+/- 0.5°
Roll	+/- 0.3°

RUGGED FIELD PC

Operating system	Windows 7
Other features	Built-in high speed Bluetooth, WLAN

OPTIONAL EQUIPMENT

Other features	Vertical centralisers
	APS
	Conventional running gear
	Digital depth encoder
	High temperature version available

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Appendix F: Downhole Survey Data

See attach pages for data.

Hole	Depth (m)	Dip	Azimuth
71	0	-88.6366	239.05
71	5	-88.5724	239.05
71	10	-88.525	239.05
71	15	-88.5034	239.05
71	20	-88.561	239.05
71	25	-88.5507	239.05
71	30	-88.5876	239.05
71	35	-88.6604	239.05
71	40	-88.7661	239.05
71	45	-88.8437	239.05
71	50	-88.8995	239.05
71	55	-88.9765	239.05
71	60	-89.0295	239.05
71	65	-89.0552	239.05
71	70	-89.0881	239.05
71	75	-89.0885	239.05
71	80	-89.0954	239.05
71	85	-89.0735	239.05
71	90	-89.0551	239.05
71	95	-89.0166	239.05
71	100	-88.9772	239.05
71	105	-88.9144	239.05
71	110	-88.8436	239.05
71	115	-88.8027	239.05
71	120	-88.7539	239.05
71	125	-88.6921	239.05
71	130	-88.6457	239.05
71	135	-88.6115	239.05
71	140	-88.5578	239.05
71	145	-88.5101	239.05
71	150	-88.4842	239.05
71	155	-88.4589	239.05
71	160	-88.4277	239.05
71	165	-88.4054	239.05
71	170	-88.389	239.05
71	175	-88.3576	239.05
71	180	-88.3642	239.05
71	185	-88.3661	239.05
71	190	-88.3412	239.05
73	0	-88.7663	236.51
73	5	-88.8845	236.51
73	10	-89.0018	236.51
73	15	-89.0319	236.51
73	20	-89.0698	236.51
73	25	-89.109	236.51
73	30	-89.171	236.51

Hole	Depth (m)	Dip	Azimuth
80	0	-89.157	103.11
80	5	-89.4286	103.11
80	10	-89.5882	103.11
80	15	-89.6199	103.11
80	20	-89.6529	103.11
80	25	-89.4554	103.11
80	30	-89.3607	103.11
80	35	-89.345	103.11
80	40	-89.255	103.11
80	45	-89.1394	103.11
80	50	-89.1085	103.11
80	55	-89.0982	103.11
80	60	-89.1001	103.11
80	65	-89.0864	103.11
80	70	-89.1011	103.11
80	75	-89.1223	103.11
80	80	-89.1387	103.11
80	85	-89.1261	103.11
80	90	-89.1601	103.11
80	95	-89.1315	103.11
80	100	-89.1676	103.11
80	105	-89.1991	103.11
80	110	-89.2286	103.11
80	115	-89.226	103.11
80	120	-89.11	103.11
80	125	-89.0909	103.11
80	130	-89.138	103.11
80	135	-89.1866	103.11
80	140	-89.1847	103.11
80	145	-89.2487	103.11
80	150	-89.3252	103.11
80	155	-89.3488	103.11
80	160	-89.5856	103.11
80	165	-89.6703	103.11
80	170	-89.8282	103.11
80	175	-89.7984	103.11
80	180	-89.7386	103.11
80	185	-89.7754	103.11
80	190	-89.7587	103.11
80	195	-89.7289	103.11
80	200	-89.7111	103.11
80	205	-89.6287	103.11
80	210	-89.6518	103.11
80	215	-89.5453	103.11
80	220	-89.5953	103.11
80	225	-89.7123	103.11

Hole	Depth (m)	Dip	Azimuth
73	35	-89.2517	236.51
73	40	-89.37	236.51
73	45	-89.4204	236.51
73	50	-89.4699	236.51
73	55	-89.5389	236.51
73	60	-89.6459	236.51
73	65	-89.6497	236.51
73	70	-89.6552	236.51
73	75	-89.556	236.51
73	80	-89.5952	236.51
73	85	-89.6027	236.51
73	90	-89.7287	236.51
73	95	-89.5107	236.51
73	100	-89.6376	236.51
73	105	-89.7015	236.51
73	110	-89.6876	236.51
73	115	-89.6364	236.51
73	120	-89.6003	236.51
73	125	-89.4097	236.51
73	130	-89.2371	236.51
73	135	-89.1182	236.51
73	140	-89.0905	236.51
73	145	-88.8714	236.51
73	150	-88.8453	236.51
73	155	-88.8444	236.51
73	160	-88.9014	236.51
73	165	-89.0912	236.51
73	170	-89.25	236.51
73	175	-89.4333	236.51
73	180	-89.5299	236.51
73	185	-89.6096	236.51
73	190	-89.6056	236.51
73	195	-89.5405	236.51
73	200	-89.5321	236.51
73	205	-89.4454	236.51
73	210	-89.2674	236.51
73	215	-89.1635	236.51
73	220	-89.0904	236.51
73	225	-89.0887	236.51
73	230	-89.0379	236.51
73	235	-89.0299	236.51
73	240	-89.0068	236.51
75	0	-89.1856	8.15
75	5	-89.1992	8.15
75	10	-89.1788	8.15
75	15	-88.6303	8.15

Hole	Depth (m)	Dip	Azimuth
80	230	-89.7095	103.11
80	235	-89.7285	103.11
80	240	-89.5964	103.11
80	245	-89.3757	103.11
80	250	-89.4119	103.11
80	255	-89.2521	103.11
80	260	-89.1663	103.11
82	0	-45.5169	40
82	5	-45.4329	40.1101
82	10	-45.3611	40.5567
82	15	-45.2206	40.8338
82	20	-45.2282	40.9604
82	25	-45.2769	41.0116
82	30	-45.3338	41.0729
82	35	-45.3745	41.2048
82	40	-45.4241	41.2498
82	45	-45.5015	41.2552
82	50	-45.5675	41.2787
82	55	-45.5491	41.2976
82	60	-45.5275	41.4405
82	65	-45.5469	41.5064
82	70	-45.5451	41.564
82	75	-45.5914	41.5924
82	80	-45.6205	41.7219
82	85	-45.6928	41.7627
82	90	-45.7155	41.7996
82	95	-45.7523	41.8788
82	100	-45.804	41.976
82	105	-45.8164	42.0368
82	110	-45.8192	42.1405
82	115	-45.8739	42.2253
82	120	-45.8475	42.2292
82	125	-45.8862	42.2989
82	130	-45.9903	42.3141
82	135	-46.0164	42.3528
82	140	-46.051	42.4944
82	145	-46.0981	42.5893
82	150	-46.1374	42.6334
82	155	-46.1598	42.7234
82	160	-46.1745	42.7514
82	165	-46.197	42.7792
82	170	-46.1958	42.8963
82	175	-46.2076	42.9669
82	180	-46.2521	43.1238
82	185	-46.2549	43.1723
82	190	-46.2607	43.2724

Hole	Depth (m)	Dip	Azimuth
75	20	-88.5567	8.15
75	25	-88.6594	8.15
75	30	-88.5711	8.15
75	35	-88.5683	8.15
75	40	-88.5678	8.15
75	45	-88.4345	8.15
75	50	-88.3674	8.15
75	55	-88.3925	8.15
75	60	-88.3463	8.15
75	65	-88.2778	8.15
75	70	-88.4123	8.15
75	75	-88.4969	8.15
75	80	-88.5413	8.15
77	0	-89.6543	216.78
77	5	-89.9565	216.78
77	10	-89.9464	216.78
77	15	-89.701	216.78
77	20	-89.4587	216.78
77	25	-89.2738	216.78
77	30	-89.0752	216.78
77	35	-88.98	216.78
77	40	-88.9697	216.78
77	45	-89.0056	216.78
77	50	-89.1038	216.78
77	55	-89.1338	216.78
77	60	-89.242	216.78
77	65	-89.3499	216.78
77	70	-89.4565	216.78
77	75	-89.5367	216.78
77	80	-89.6351	216.78
77	85	-89.4949	216.78
77	90	-89.2893	216.78
77	95	-89.1463	216.78
77	100	-88.9161	216.78
77	105	-88.7723	216.78
77	110	-88.65	216.78
77	115	-88.6519	216.78
77	120	-88.6566	216.78
77	125	-88.7038	216.78
77	130	-88.9158	216.78
77	135	-89.1197	216.78
77	140	-89.2994	216.78
77	145	-89.3831	216.78
77	150	-89.3437	216.78
77	155	-89.143	216.78
77	160	-88.9574	216.78

Hole	Depth (m)	Dip	Azimuth
82	195	-46.315	43.3323
82	200	-46.2476	43.5834
82	205	-46.3145	43.7999
82	210	-46.3391	43.9197
82	215	-46.3484	43.9673
82	220	-46.355	44.0111
82	225	-46.3288	44.0739
82	230	-46.3738	44.1565
82	235	-46.3795	44.0992
82	240	-46.4196	44.2417
82	245	-46.5089	44.2791
82	250	-46.5607	44.3821
82	255	-46.7102	44.4655
82	260	-46.7398	44.6053
82	265	-46.7318	44.7197
82	270	-46.7723	44.8581
82	275	-46.7784	45.1266
82	280	-46.7782	45.3095
82	285	-46.9086	45.4421
82	290	-46.948	45.4679
82	295	-47.0214	45.5806
84	0	-88.8972	103.3
84	5	-88.8537	103.3
84	10	-88.7375	103.3
84	15	-88.5817	103.3
84	20	-88.2135	103.3
84	25	-88.1412	103.3
84	30	-88.1439	103.3
84	35	-87.9639	103.3
84	40	-87.8636	103.3
84	45	-87.89	103.3
84	50	-87.8957	103.3
84	55	-87.8969	103.3
84	60	-87.8786	103.3
84	65	-87.8606	103.3
84	70	-87.8575	103.3
84	75	-87.889	103.3
84	80	-87.9154	103.3
84	85	-87.924	103.3
84	90	-87.9162	103.3
84	95	-87.9382	103.3
84	100	-87.9014	103.3
84	105	-87.734	103.3
84	110	-87.5637	103.3
84	115	-87.4973	103.3
84	120	-87.3746	103.3

Hole	Depth (m)	Dip	Azimuth
77	165	-88.7652	216.78
77	170	-88.6458	216.78
77	175	-88.5884	216.78
77	180	-88.4861	216.78
77	185	-88.4555	216.78
77	190	-88.4337	216.78
77	195	-88.4779	216.78
77	200	-88.5617	216.78
77	205	-88.6448	216.78
77	210	-88.7447	216.78
77	215	-88.8729	216.78
77	220	-89.0353	216.78
77	225	-89.1824	216.78
77	230	-89.2205	216.78
77	235	-89.2477	216.78
77	240	-89.1593	216.78
77	245	-89.0528	216.78
77	250	-88.9356	216.78
77	255	-88.8945	216.78
77	260	-88.7872	216.78
77	265	-88.6369	216.78
77	270	-88.5284	216.78
77	275	-88.4743	216.78
77	280	-88.4699	216.78
77	285	-88.4994	216.78
78	0	-89.6551	342.47
78	5	-89.3926	342.47
78	10	-89.2761	342.47
78	15	-89.1999	342.47
78	20	-89.1852	342.47
78	25	-89.1792	342.47
78	30	-89.1646	342.47
78	35	-89.1877	342.47
78	40	-89.1904	342.47
78	45	-89.1947	342.47
78	50	-89.2193	342.47
78	55	-89.1531	342.47
78	60	-89.0882	342.47
78	65	-89.1046	342.47
78	70	-89.1712	342.47
78	75	-89.2088	342.47
78	80	-89.1468	342.47
78	85	-89.0593	342.47
78	90	-89.0512	342.47
78	95	-89.1138	342.47
78	100	-89.1907	342.47

Hole	Depth (m)	Dip	Azimuth
84	125	-87.3636	103.3
84	130	-87.3317	103.3
84	135	-87.3835	103.3
84	140	-87.3862	103.3
84	145	-87.3836	103.3
84	150	-87.3471	103.3
84	155	-87.2624	103.3
84	160	-87.282	103.3
84	165	-87.358	103.3
84	170	-87.244	103.3
84	175	-87.1675	103.3
84	180	-87.0915	103.3
84	185	-86.9546	103.3
85	0	-44.2441	40
85	5	-44.3484	40.0878
85	10	-44.2642	40.0848
85	15	-44.3089	40.2552
85	20	-44.4308	40.095
85	25	-44.4415	40.2233
85	30	-44.5226	40.1811
85	35	-44.6098	40.0825
85	40	-44.6784	40.0635
85	45	-44.7792	40.0674
85	50	-44.8879	40.0141
85	55	-45.0402	39.9745
85	60	-45.1479	39.8532
85	65	-45.328	39.739
85	70	-45.4743	39.6463
85	75	-45.5877	39.6022
85	80	-45.732	39.6276
85	85	-45.8493	39.6685
85	90	-45.9286	39.7811
85	95	-46.0734	39.812
85	100	-46.1783	39.8413
85	105	-46.2541	39.9405
85	110	-46.3387	40.0143
85	115	-46.4246	40.1111
85	120	-46.479	40.187
85	125	-46.5429	40.2049
85	130	-46.6649	40.3301
85	135	-46.7369	40.4192
85	140	-46.8001	40.5746
85	145	-46.8811	40.6516
85	150	-46.933	40.7299
85	155	-47.0698	40.7958
85	160	-46.9428	40.925

Hole	Depth (m)	Dip	Azimuth
78	105	-89.3034	342.47
78	110	-89.3474	342.47
78	115	-89.3933	342.47
78	120	-89.296	342.47
78	125	-89.1863	342.47
78	130	-89.1363	342.47
78	135	-89.0809	342.47
78	140	-89.0181	342.47
78	145	-88.9839	342.47
78	150	-88.9366	342.47
78	155	-88.9427	342.47
78	160	-88.9307	342.47
78	165	-88.9042	342.47
78	170	-88.9482	342.47
78	175	-89.0644	342.47
78	180	-89.0867	342.47
78	185	-89.0183	342.47
78	190	-89.1045	342.47
78	195	-89.138	342.47
78	200	-89.1698	342.47
78	205	-89.1117	342.47
78	210	-89.074	342.47
78	215	-89.0587	342.47
78	220	-89.0484	342.47
78	225	-89.0578	342.47
78	230	-89.0307	342.47
78	235	-89.0614	342.47
78	240	-89.0924	342.47
78	245	-89.0193	342.47
78	250	-89.055	342.47
78	255	-89.0176	342.47
78	260	-89.0096	342.47
78	265	-89.076	342.47
78	270	-89.0888	342.47
78	275	-89.1322	342.47
78	280	-89.1095	342.47
78	285	-89.0775	342.47
78	290	-89.0732	342.47
79	5	-88.2276	80.74
79	10	-88.4601	80.74
79	15	-88.3255	80.74
79	20	-88.3354	80.74
79	25	-88.3927	80.74
79	30	-88.5396	80.74
79	35	-88.6695	80.74
79	40	-88.7216	80.74

Hole	Depth (m)	Dip	Azimuth
85	165	-46.9299	41.1748
85	170	-46.9816	41.5067
85	175	-46.9164	41.5971
85	180	-47.026	41.8503
85	185	-47.0064	42.0478
85	190	-47.0766	42.1523
85	195	-47.1244	42.3061
85	200	-47.1388	42.496
85	205	-47.1899	42.6013
85	210	-47.2231	42.8253
85	215	-47.2925	43.0457
85	220	-47.3942	43.1164
85	225	-47.4744	43.1256
85	230	-47.5142	43.1757
85	235	-47.5812	43.4023
85	240	-47.6137	43.466
85	245	-47.6305	43.5839
85	250	-47.7698	43.91
85	255	-47.8056	43.9943
85	260	-47.8613	44.1141
85	265	-47.8727	44.1467
85	270	-47.9193	44.2852
85	275	-48.0172	44.3534
85	280	-48.0977	44.65
85	285	-48.0936	44.8315
85	290	-48.1758	44.9551
85	295	-48.256	45.0935
85	300	-48.3338	45.1959
85	305	-48.4074	45.3035
85	310	-48.4227	45.2586
85	315	-48.5703	45.3931
86	0	-45.9305	40
86	5	-45.9673	40.0147
86	10	-46.0386	40.1035
86	15	-46.1255	40.1973
86	20	-46.216	40.335
86	25	-46.2783	40.4912
86	30	-46.3907	40.6136
86	35	-46.4708	40.7967
86	40	-46.5742	40.9914
86	45	-46.687	41.1325
86	50	-46.8094	41.3214
86	55	-46.9148	41.5306
86	60	-47.0126	41.7149
86	65	-47.0936	41.9304
86	70	-47.189	42.1654

Hole	Depth (m)	Dip	Azimuth
79	45	-89.0508	80.74
79	50	-89.0272	80.74
79	55	-89.0311	80.74
79	60	-89.2124	80.74
79	65	-89.3243	80.74
79	70	-89.1807	80.74

Hole	Depth (m)	Dip	Azimuth
86	75	-47.2792	42.2853
86	80	-47.3603	42.3942
86	85	-47.4613	42.5802
86	90	-47.5417	42.7984
86	95	-47.6442	42.9767
86	100	-47.7207	43.3138
86	105	-47.8202	43.4469
86	110	-47.915	43.655
86	115	-47.9796	43.8924
86	120	-48.0272	44.2319
86	125	-48.1057	44.5129
86	130	-48.1975	44.6533
86	135	-48.2804	44.8345
86	140	-48.3702	45.0547
86	145	-48.4403	45.2603
86	150	-48.5301	45.4629
86	155	-48.5901	45.7006
86	160	-48.6766	45.8717
86	165	-48.7821	46.0712
86	170	-48.8361	46.2174
86	175	-48.9292	46.3881
86	180	-49.0052	46.6092
86	185	-49.0736	46.8153
86	190	-49.1624	46.991
86	195	-49.2196	47.2527
86	200	-49.3123	47.4622

Appendix G: Azimuth Corrections for Vertical Hole Surveys

Surveyed azimuths for vertical holes were erratic, most likely due in the lack of precision attainable form the instrument used to survey the holes. This occurred due to the minimum displacement in the horizontal plane caused by the near-vertical dips in the holes. Total displacement calculated from raw azimuths and dips of the survey data indicate that holes deviate in the range of 0.5 – 2 horizontal meters per 100 meters downhole depth, calculating displacements between stations using the dip and azimuths of the raw data. It appears that a good approximation can be attained from an average azimuth calculated from the sum of all displacements of the downhole survey data.

G.1 Processing Method

Plotting of the X and Y displacements in the horizontal plane show that deviations could be approximated by uniformly slopping lines for both x and y deviations with respect to depth. This is supported by the near linear x and y deviations w.r.t to depth in the inclined holes. Therefore, a line of best fit was approximated through the x and y displacements, and the resulting slopes were used to determine the average azimuth of the near vertical holes to more smoothly approximate the horizontal deviations.

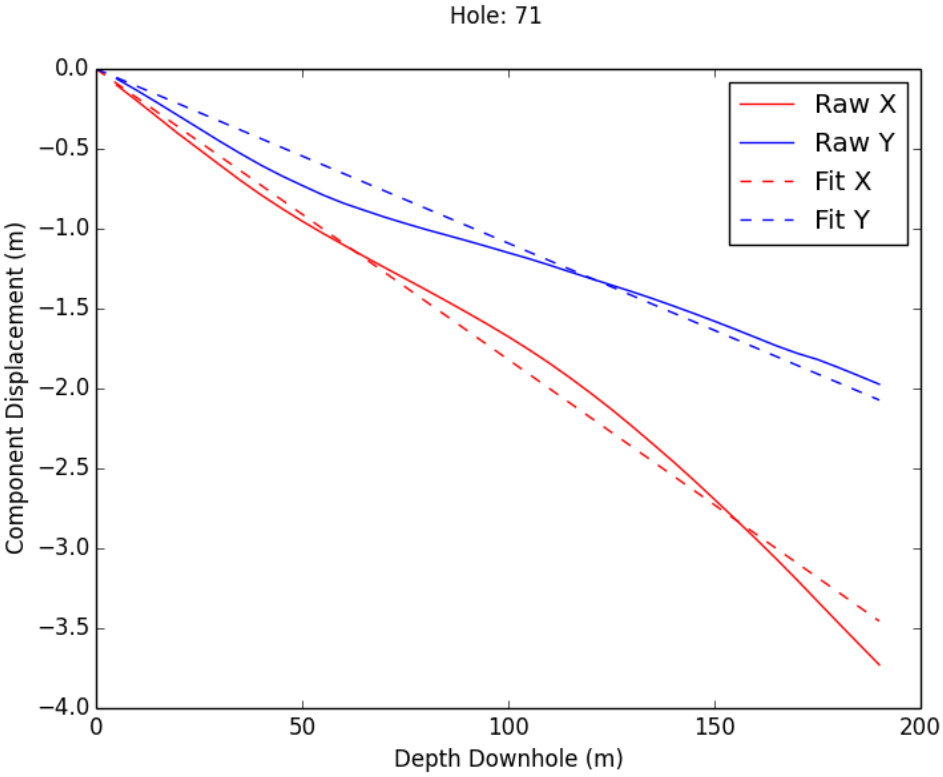
This method appears to work well, as it corrects for the oscillating nature of the displacements in the vertical holes. The exception to this is hole 73, where a linear fit doesn't appear to capture the displacement well. However, it also has low total displacement, especially with respect to its total depth.

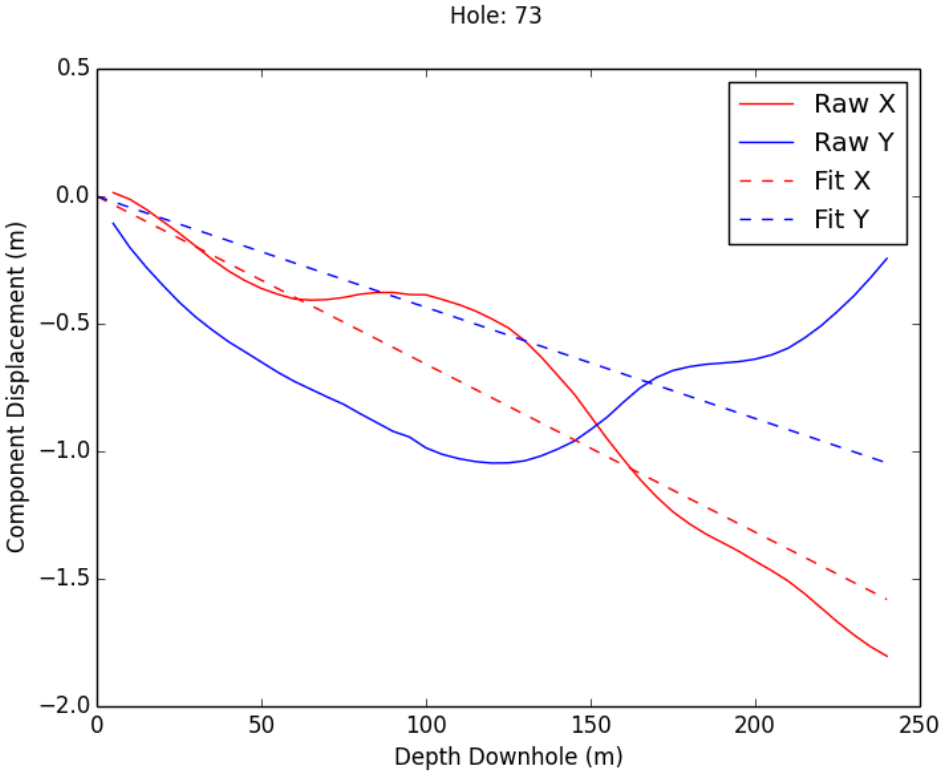
Therefore, an average azimuth appears to be a good way to attain reasonable precision, while correcting the 'wiggly' appearance of the raw data in the modeling program. The approximation most likely approaches a more realistic model of the hole orientations as well.

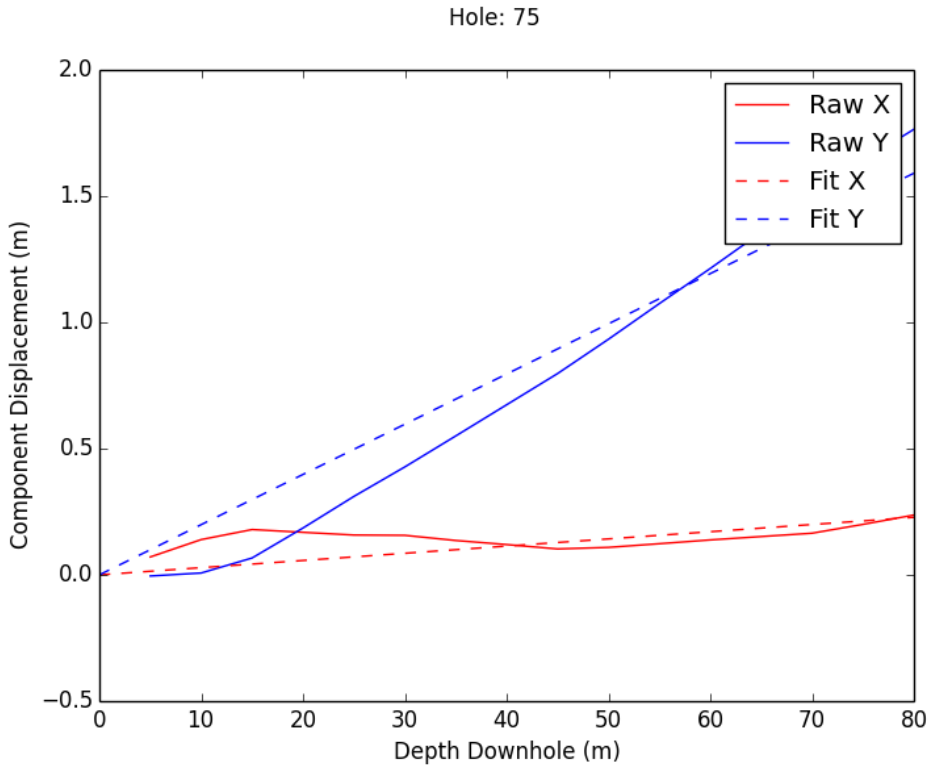
G.2 Summary of Each Hole

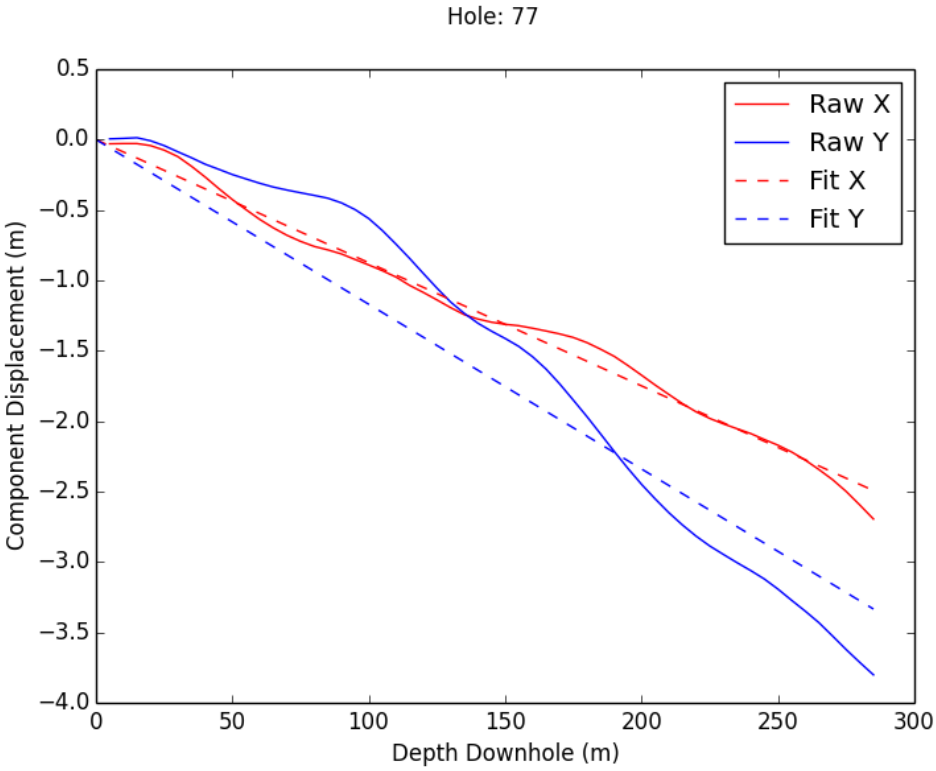
Hole	Depth (m)	Total Dx (m)	Total Dy (m)	Total D (m)	Dx per 100m	Dy per 100m	Avg. Azi
71	190	-3.73	-1.97	4.22	-1.96	-1.04	239.05
73	240	-1.80	-0.24	1.82	-0.75	-0.10	236.51
75	80	0.24	1.76	1.78	0.30	2.21	8.15
77	285	-2.70	-3.80	4.66	-0.95	-1.33	216.78
78	290	-1.15	4.23	4.39	-0.40	1.46	342.47
79	70	1.47	0.10	1.47	2.10	0.14	80.74
80	260	2.60	-0.46	2.64	1.00	-0.18	103.11
84	185	6.92	-1.58	7.10	3.74	-0.85	103.30

G.3 Plots of X and Y Displacements verse Depth for Vertical Holes

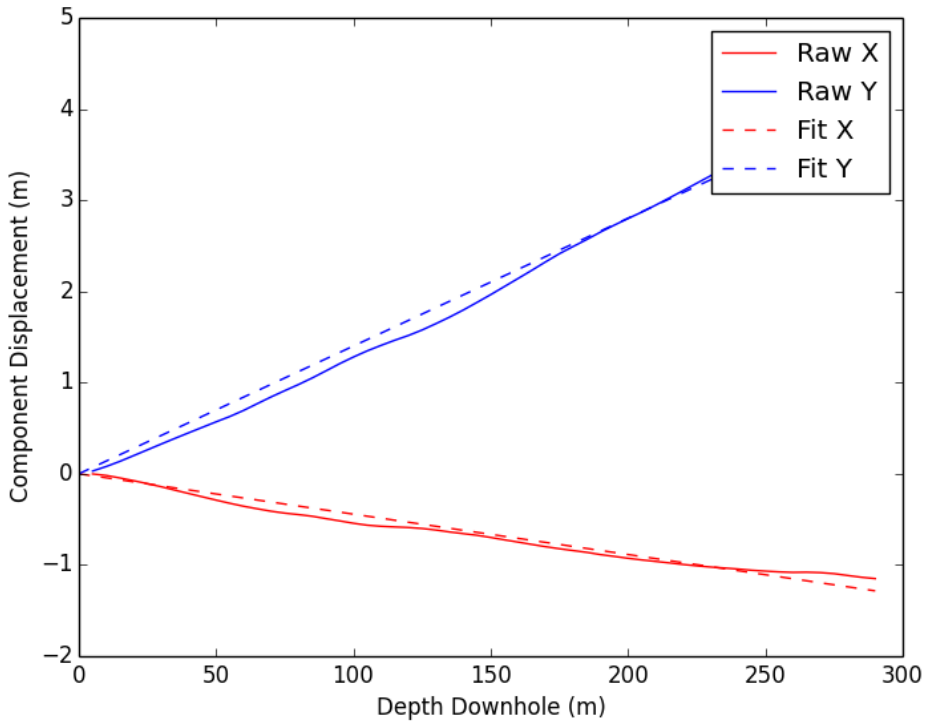




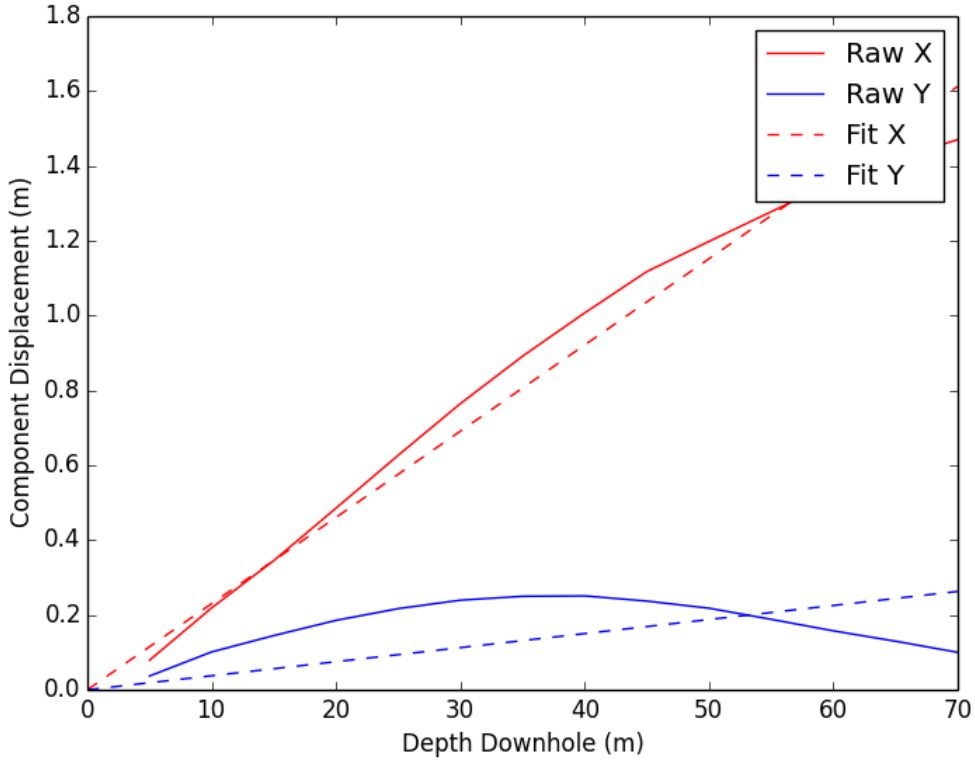

Hole: 75
Raw X
Raw Y
Fit X
Fit Y
Component Displacement (m)
Depth Downhole (m)
2.0
1.5
1.0
0.5
0.0
−0.5
0
10
20
30
40
50
60
70
80

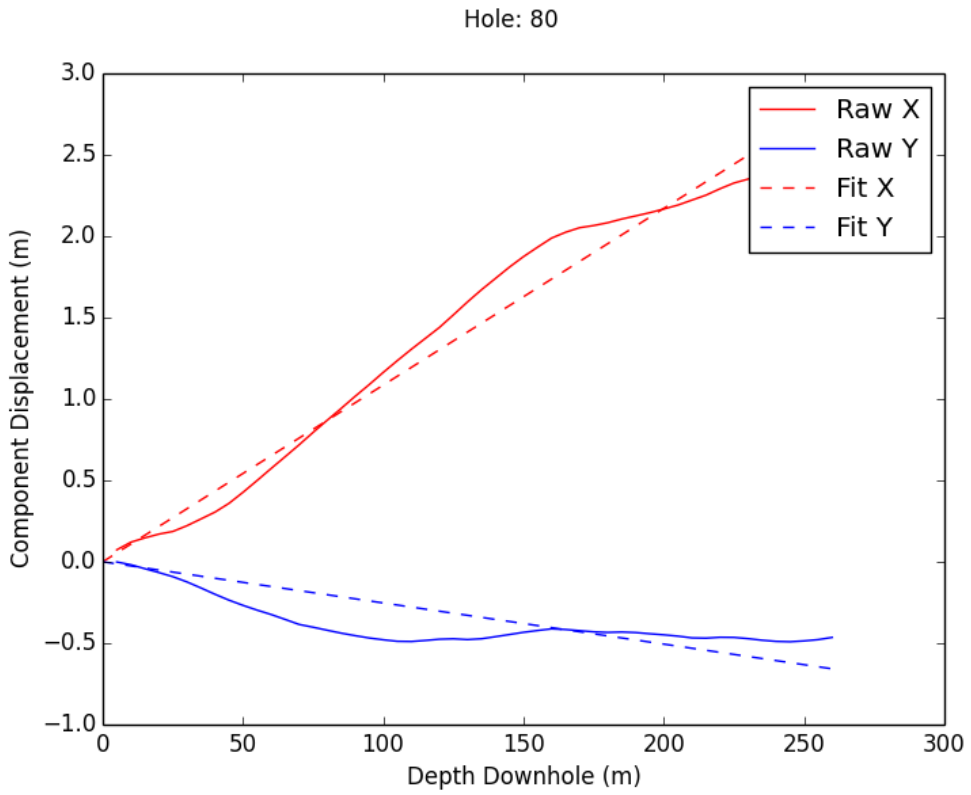

Hole: 77
Raw X
Raw Y
Fit X
Fit Y
Component Displacement (m)
Depth Downhole (m)
0.5
0.0
−0.5
−1.0
−1.5
−2.0
−2.5
−3.0
−3.5
−4.0
0
50
100
150
200
250
300

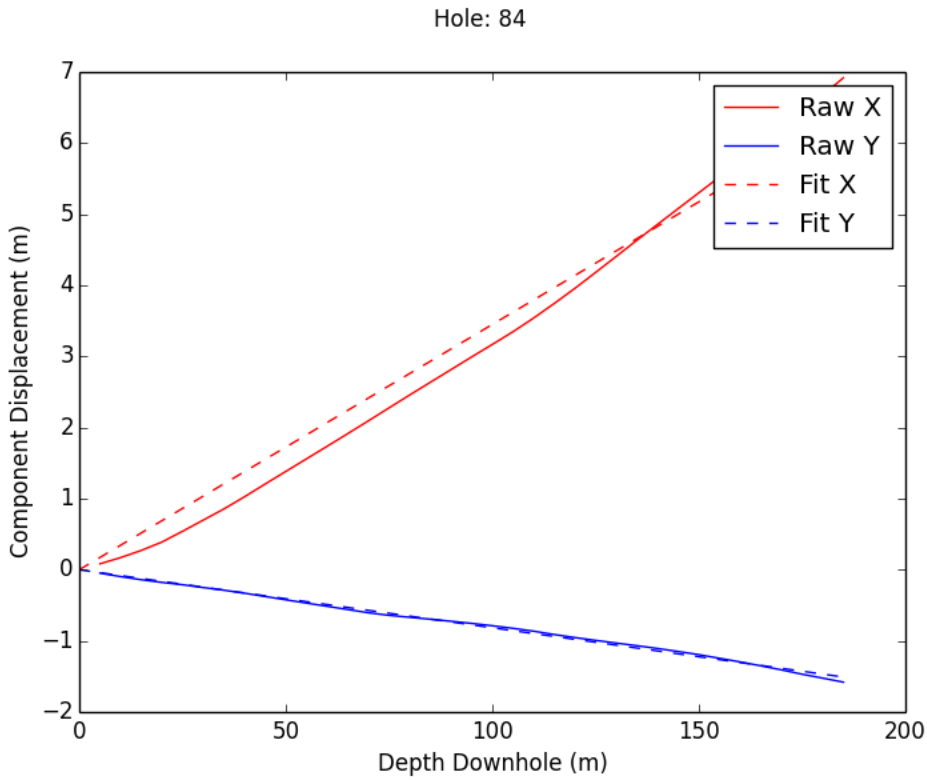
Hole: 78



Hole: 79




Hole: 80
Raw X
Raw Y
Fit X
Fit Y
Component Displacement (m)
Depth Downhole (m)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
0
50
100
150
200
250
300


Hole: 84
Raw X
Raw Y
Fit X
Fit Y
Component Displacement (m)
Depth Downhole (m)
7
6
5
4
3
2
1
0
−1
−2
0
50
100
150
200

Appendix H: Assay Certificates

Please see attached pages.

AGAT Laboratories

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
http://www.agatlabs.com

CLIENT NAME: NIOSTAR CORP.
STE 201-2368 LAKESHORE ROAD W
OAKVILLE, ON L6L1H5
(905) 483-9920

ATTENTION TO: SCOTT KEEVIL

PROJECT: Nemegosenda Niobium Project

AGAT WORK ORDER: 14U908326

SOLID ANALYSIS REVIEWED BY: Yufei Chen, Lab Co-ordinator

DATE REPORTED: Dec 01, 2014

PAGES (INCLUDING COVER): 11

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 14U908326

PROJECT: Nemegosenda Niobium Project

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-049) Specific Gravity by Pychnometer

DATE SAMPLED: Oct 28, 2014 | DATE RECEIVED: Oct 28, 2014 | DATE REPORTED: Dec 01, 2014 | SAMPLE TYPE: Drill Core

Analyte:	Specific Gravity
Unit:	g/cm3
Sample ID (AGAT ID) RDL:	0.01
5731101 (6004760)	3.17
5731104 (6004763)	3.09
5731107 (6004766)	3.19
5731110 (6004769)	3.25
5731113 (6004772)	3.27
5731116 (6004776)	2.75
5731119 (6004779)	3.13
5731122 (6004783)	3.28
5731125 (6004787)	3.01
5731131 (6004793)	3.15
5731134 (6004797)	2.90
5731137 (6004800)	2.94
5731140 (6004803)	3.12
5731143 (6004806)	2.88
5731146 (6004809)	2.87
5731149 (6004812)	2.91
5731152 (6004815)	3.04
5731158 (6004821)	2.99
5731161 (6004824)	3.09
5731164 (6004827)	3.02
5731167 (6004830)	2.73
5731170 (6004833)	2.74
5731173 (6004836)	3.00
5731176 (6004840)	2.90
5731179 (6004844)	2.87
5731185 (6004851)	2.95
5731188 (6004855)	3.02
5731191 (6004858)	2.86
5731194 (6004861)	2.95
5731197 (6004864)	2.90
5731200 (6004868)	2.76
5731218 (6004886)	2.64

Certified By: Y. Chen.

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Certificate of Analysis

AGAT WORK ORDER: 14U908326

PROJECT: Nemegosenda Niobium Project

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-049) Specific Gravity by Pychnometer

DATE SAMPLED: Oct 28, 2014 | DATE RECEIVED: Oct 28, 2014 | DATE REPORTED: Dec 01, 2014 | SAMPLE TYPE: Drill Core

Analyte:	Specific Gravity
Unit:	g/cm3
Sample ID (AGAT ID) RDL:	0.01
5731221 (6004890)	2.82
5731224 (6004893)	3.05
5731230 (6004899)	2.99
5731233 (6004902)	3.03
5731239 (6004908)	3.01
5731242 (6004911)	3.11

Comments: RDL - Reported Detection Limit

Certified By:

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 14U908326

PROJECT: Nemegosenda Niobium Project

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

DATE SAMPLED: Oct 28, 2014 | DATE RECEIVED: Oct 28, 2014 | DATE REPORTED: Dec 01, 2014 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Nb	Sb	Sn	Ta	Th	W	U	Zr
Unit:	kg	%	%	%	%	%	%	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
5731101 (6004760)	3.48	0.44	<0.01	<0.01	0.01	0.03	<0.01	0.02	0.03
5731102 (6004761)	3.86	0.37	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.02
5731103 (6004762)	4.16	0.44	<0.01	<0.01	0.01	0.03	<0.01	<0.01	0.03
5731104 (6004763)	2.74	0.43	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.05
5731105 (6004764)	4.26	0.62	0.01	<0.01	0.01	0.05	<0.01	<0.01	0.03
5731106 (6004765)	4.34	0.35	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.05
5731107 (6004766)	4.24	0.46	<0.01	<0.01	<0.01	0.05	<0.01	<0.01	0.05
5731108 (6004767)	4.48	0.67	0.01	<0.01	0.01	0.07	<0.01	<0.01	0.02
5731109 (6004768)	4.14	0.69	0.01	<0.01	0.02	0.08	<0.01	<0.01	0.03
5731110 (6004769)	4.72	0.39	<0.01	<0.01	<0.01	0.04	<0.01	<0.01	0.03
5731111 (6004770)	4.58	0.61	<0.01	<0.01	0.01	0.06	<0.01	<0.01	0.03
5731112 (6004771)	4.06	0.52	<0.01	<0.01	0.01	0.04	<0.01	<0.01	0.05
5731113 (6004772)	4.68	0.59	<0.01	<0.01	0.02	0.06	<0.01	<0.01	0.02
5731114 (6004773)	4.42	0.48	<0.01	<0.01	0.01	0.06	<0.01	<0.01	0.02
5731115 (6004775)	2.76	0.60	<0.01	<0.01	0.01	0.06	<0.01	<0.01	0.02
5731116 (6004776)	3.36	0.35	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	0.01
5731117 (6004777)	1.26	0.47	<0.01	<0.01	0.01	0.03	<0.01	<0.01	0.01
5731118 (6004778)	3.88	0.71	<0.01	<0.01	0.01	0.09	<0.01	<0.01	0.03
5731119 (6004779)	3.54	0.42	0.01	<0.01	0.01	0.07	<0.01	<0.01	0.08
5731120 (6004781)	4.06	0.27	<0.01	<0.01	0.01	0.03	<0.01	<0.01	0.16
5731121 (6004782)	4.18	0.59	<0.01	<0.01	0.01	0.08	<0.01	<0.01	0.02
5731122 (6004783)	4.90	0.47	<0.01	<0.01	0.01	0.12	<0.01	<0.01	0.03
5731123 (6004784)	4.24	0.50	<0.01	<0.01	<0.01	0.09	<0.01	<0.01	0.02
5731124 (6004785)	4.50	0.48	<0.01	<0.01	<0.01	0.06	<0.01	<0.01	0.03
5731125 (6004787)	4.38	0.36	0.01	<0.01	0.01	0.04	<0.01	<0.01	0.15
5731126 (6004788)	0.04	0.90	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	0.10
5731127 (6004789)	0.86	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
5731128 (6004790)	1.92	0.38	<0.01	<0.01	0.01	0.04	<0.01	<0.01	0.14
5731129 (6004791)	4.10	0.30	<0.01	0.01	0.01	0.01	<0.01	<0.01	0.16
5731130 (6004792)	4.72	0.37	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.11
5731131 (6004793)	4.38	0.28	0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.10

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Certificate of Analysis

AGAT WORK ORDER: 14U908326

PROJECT: Nemegosenda Niobium Project

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

DATE SAMPLED: Oct 28, 2014 | DATE RECEIVED: Oct 28, 2014 | DATE REPORTED: Dec 01, 2014 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Nb	Sb	Sn	Ta	Th	W	U	Zr
Unit:	kg	%	%	%	%	%	%	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
5731132 (6004795)	4.38	0.49	0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.06
5731133 (6004796)	4.42	0.50	<0.01	<0.01	0.01	0.03	<0.01	<0.01	0.10
5731134 (6004797)	3.96	0.59	0.01	<0.01	0.01	0.01	<0.01	<0.01	0.12
5731135 (6004798)	4.00	0.31	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.09
5731136 (6004799)	3.72	0.24	0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.11
5731137 (6004800)	3.72	0.79	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	0.08
5731138 (6004801)	4.40	0.31	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.08
5731139 (6004802)	3.68	0.23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05
5731140 (6004803)	4.38	0.54	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.09
5731141 (6004804)	4.58	0.43	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.17
5731142 (6004805)	3.94	0.26	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.20
5731143 (6004806)	3.86	0.21	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.26
5731144 (6004807)	3.50	0.26	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.22
5731145 (6004808)	3.68	0.24	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.26
5731146 (6004809)	4.26	0.20	0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.28
5731147 (6004810)	4.66	0.61	<0.01	<0.01	0.01	0.07	<0.01	<0.01	0.06
5731148 (6004811)	4.44	0.33	<0.01	<0.01	0.01	0.03	<0.01	<0.01	0.18
5731149 (6004812)	4.44	0.20	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.33
5731150 (6004813)	3.08	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05
5731151 (6004814)	2.30	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02
5731152 (6004815)	2.90	0.41	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.15
5731153 (6004816)	0.04	0.89	<0.01	0.01	<0.01	0.01	<0.01	<0.01	0.10
5731154 (6004817)	0.80	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
5731155 (6004818)	2.12	0.30	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.07
5731156 (6004819)	4.12	0.25	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.30
5731157 (6004820)	4.38	0.14	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.27
5731158 (6004821)	3.44	0.26	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.14
5731159 (6004822)	4.54	0.29	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.10
5731160 (6004823)	4.56	0.30	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.08
5731161 (6004824)	4.26	0.32	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.08
5731162 (6004825)	4.46	0.24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.07

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Certificate of Analysis

AGAT WORK ORDER: 14U908326

PROJECT: Nemegosenda Niobium Project

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

DATE SAMPLED: Oct 28, 2014 | DATE RECEIVED: Oct 28, 2014 | DATE REPORTED: Dec 01, 2014 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Nb	Sb	Sn	Ta	Th	W	U	Zr
Unit:	kg	%	%	%	%	%	%	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
5731163 (6004826)	4.36	0.26	0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.10
5731164 (6004827)	2.38	0.36	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.12
5731165 (6004828)	2.88	0.22	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.21
5731166 (6004829)	3.60	0.20	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.23
5731167 (6004830)	2.46	0.15	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.27
5731168 (6004831)	3.94	0.19	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.22
5731169 (6004832)	3.80	0.20	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.23
5731170 (6004833)	3.86	0.17	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.29
5731171 (6004834)	4.16	0.18	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.31
5731172 (6004835)	4.44	0.20	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.37
5731173 (6004836)	4.54	0.21	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.21
5731174 (6004837)	4.08	0.20	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.15
5731175 (6004839)	3.84	0.13	<0.01	0.01	0.01	<0.01	<0.01	<0.01	0.23
5731176 (6004840)	4.42	0.33	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.31
5731177 (6004841)	4.58	0.23	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.22
5731178 (6004842)	4.16	0.21	0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.17
5731179 (6004844)	3.94	0.16	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.12
5731180 (6004845)	0.04	0.89	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.10
5731181 (6004846)	1.18	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
5731182 (6004847)	1.56	0.17	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.13
5731183 (6004848)	4.26	0.10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.10
5731184 (6004850)	4.04	0.16	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.14
5731185 (6004851)	4.18	0.14	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.14
5731186 (6004852)	4.38	0.36	<0.01	0.01	0.01	<0.01	<0.01	<0.01	0.18
5731187 (6004853)	4.52	0.67	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.17
5731188 (6004855)	4.02	0.34	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.17
5731189 (6004856)	3.80	0.32	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.15
5731190 (6004857)	4.08	0.28	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.17
5731191 (6004858)	4.22	0.20	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.21
5731192 (6004859)	4.32	0.25	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.18
5731193 (6004860)	4.30	0.30	<0.01	<0.01	0.02	<0.01	<0.01	0.01	0.16

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Certificate of Analysis

AGAT WORK ORDER: 14U908326

PROJECT: Nemegosenda Niobium Project

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

DATE SAMPLED: Oct 28, 2014 | DATE RECEIVED: Oct 28, 2014 | DATE REPORTED: Dec 01, 2014 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Nb	Sb	Sn	Ta	Th	W	U	Zr
Unit:	kg	%	%	%	%	%	%	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
5731194 (6004861)	3.80	0.27	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.25
5731195 (6004862)	3.92	0.26	0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.20
5731196 (6004863)	3.84	0.18	0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.13
5731197 (6004864)	4.30	0.35	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.24
5731198 (6004865)	4.04	0.33	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.19
5731199 (6004867)	2.04	0.29	0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.21
5731200 (6004868)	3.40	0.21	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.26
5731201 (6004869)	2.74	0.08	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.11
5731202 (6004870)	3.34	0.16	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.17
5731203 (6004871)	3.76	0.21	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.25
5731204 (6004872)	3.26	0.26	0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.25
5731205 (6004873)	3.28	0.22	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.23
5731206 (6004874)	3.76	0.26	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.21
5731207 (6004875)	0.06	0.90	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	0.10
5731208 (6004876)	1.16	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03
5731209 (6004877)	1.34	0.16	0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.20
5731210 (6004878)	3.66	0.23	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.27
5731211 (6004879)	3.56	0.12	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.30
5731212 (6004880)	2.84	0.21	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.15
5731213 (6004881)	2.68	0.19	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.15
5731214 (6004882)	2.74	0.16	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.20
5731215 (6004883)	3.64	0.10	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.23
5731216 (6004884)	3.72	0.13	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.26
5731217 (6004885)	3.68	0.27	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.16
5731218 (6004886)	3.72	0.14	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.09
5731219 (6004887)	2.46	0.17	0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.18
5731220 (6004888)	1.82	0.10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03
5731221 (6004890)	1.98	0.16	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.05
5731222 (6004891)	3.94	0.29	<0.01	0.01	0.01	0.01	<0.01	<0.01	0.11
5731223 (6004892)	4.18	0.17	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.12
5731224 (6004893)	4.04	0.26	0.01	<0.01	0.01	0.01	<0.01	<0.01	0.19

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Certificate of Analysis

AGAT WORK ORDER: 14U908326

PROJECT: Nemegosenda Niobium Project

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

DATE SAMPLED: Oct 28, 2014 | DATE RECEIVED: Oct 28, 2014 | DATE REPORTED: Dec 01, 2014 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Nb	Sb	Sn	Ta	Th	W	U	Zr
Unit:	kg	%	%	%	%	%	%	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
5731225 (6004894)	4.02	0.20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.18
5731226 (6004895)	3.48	0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.15
5731227 (6004896)	3.60	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03
5731228 (6004897)	3.64	0.15	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.21
5731229 (6004898)	4.38	0.19	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.24
5731230 (6004899)	3.64	0.15	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.27
5731231 (6004900)	4.52	0.15	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.30
5731232 (6004901)	3.88	0.16	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.24
5731233 (6004902)	4.00	0.20	0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.28
5731234 (6004903)	3.88	0.18	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.22
5731235 (6004904)	0.04	0.89	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	0.10
5731236 (6004905)	1.52	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02
5731237 (6004906)	1.62	0.16	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.29
5731238 (6004907)	4.34	0.40	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.15
5731239 (6004908)	4.18	0.27	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.13
5731240 (6004909)	3.94	0.29	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.15
5731241 (6004910)	4.06	0.27	0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.22
5731242 (6004911)	4.52	0.31	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.20

Comments: RDL - Reported Detection Limit

Certified By:

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Quality Assurance - Replicate

AGAT WORK ORDER: 14U908326

PROJECT: Nemegosenda Niobium Project

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-049) Specific Gravity by Pychnometer

	REPLICATE #1			
Parameter	Sample ID	Original	Replicate	RPD
Specific Gravity	6004760	3.17	3.18	0.3%

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Nb	6004760	0.44	0.45	2.2%	6004789	< 0.01	< 0.01	0.0%	6004814	0.01	0.01	0.0%	6004869	0.08	0.09	11.8%
Sb	6004760	<0.01	<0.01	0.0%	6004789	0.01	< 0.01		6004814	< 0.01	0.01		6004869	< 0.01	< 0.01	0.0%
Sn	6004760	<0.01	0.01	0.0%	6004789	< 0.01	< 0.01	0.0%	6004814	< 0.01	< 0.01	0.0%	6004869	< 0.01	< 0.01	0.0%
Ta	6004760	0.01	0.01	0.0%	6004789	< 0.01	< 0.01	0.0%	6004814	< 0.01	< 0.01	0.0%	6004869	0.01	< 0.01	
Th	6004760	0.03	0.03	0.0%	6004789	< 0.01	< 0.01	0.0%	6004814	< 0.01	< 0.01	0.0%	6004869	< 0.01	< 0.01	0.0%
W	6004760	<0.01	<0.01	0.0%	6004789	< 0.01	< 0.01	0.0%	6004814	< 0.01	< 0.01	0.0%	6004869	< 0.01	< 0.01	0.0%
U	6004760	0.02	0.02	0.0%	6004789	< 0.01	< 0.01	0.0%	6004814	< 0.01	< 0.01	0.0%	6004869	< 0.01	< 0.01	0.0%
Zr	6004760	0.03	0.03	0.0%	6004789	0.01	0.01	0.0%	6004814	0.02	0.02	0.0%	6004869	0.11	0.11	0.0%

	REPLICATE #5			
Parameter	Sample ID	Original	Replicate	RPD
Nb	6004895	0.08	0.07	13.3%
Sb	6004895	< 0.01	< 0.01	0.0%
Sn	6004895	< 0.01	< 0.01	0.0%
Ta	6004895	< 0.01	< 0.01	0.0%
Th	6004895	< 0.01	< 0.01	0.0%
W	6004895	< 0.01	< 0.01	0.0%
U	6004895	< 0.01	< 0.01	0.0%
Zr	6004895	0.15	0.13	14.3%

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 14U908326

PROJECT: Nemegosenda Niobium Project

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-049) Specific Gravity by Pychnometer

	CRM #1				CRM #2				CRM #3				CRM #4			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Specific Gravity	2.68	2.70	100%	95% - 110%												

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

	CRM #1				CRM #2				CRM #3				CRM #4			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Nb	0.41	0.38	92%	90% - 110%	0.41	0.38	92%	90% - 110%	0.41	0.38	92%	90% - 110%	0.41	0.38	92%	90% - 110%
Sb	0.00	0.00		90% - 110%												
Sn	0.05	0.05	100%	90% - 110%	0.05	0.05	100%	90% - 110%	0.05	0.05	100%	90% - 110%	0.05	0.05	100%	90% - 110%
Th	0.08	0.08	100%	90% - 110%	0.08	0.08	100%	90% - 110%	0.08	0.08	100%	90% - 110%	0.08	0.08	100%	90% - 110%
W					0.01	0.01	100%	90% - 110%	0.01	0.01	100%	90% - 110%	0.01	0.01	100%	90% - 110%
U	0.01	0.01	100%	90% - 110%	0.01	0.01	100%	90% - 110%	0.01	0.01	100%	90% - 110%	0.01	0.01	100%	90% - 110%
Zr	1.91	1.92	100%	90% - 110%	1.91	1.92	100%	90% - 110%	1.91	1.92	100%	90% - 110%	1.91	1.92	100%	90% - 110%

	CRM #5															
Parameter	Expect	Actual	Recovery	Limits												
Nb	0.41	0.38	92%	90% - 110%												
Sn	0.05	0.05	100%	90% - 110%												
Th	0.08	0.08	100%	90% - 110%												
W	0.01	0.01	100%	90% - 110%												
U	0.01	0.01	100%	90% - 110%												
Zr	1.91	1.92	100%	90% - 110%												

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Method Summary

CLIENT NAME: NIOSTAR CORP.

AGAT WORK ORDER: 14U908326

PROJECT: Nemegosenda Niobium Project

ATTENTION TO: SCOTT KEEVIL

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Specific Gravity	MIN-200-12024	ASTM D5550-06	Pychnometer
Sample Login Weight	MIN-12009		BALANCE
Nb	MIN-200-12027		XRF
Sb	MIN-200-12027		XRF
Sn	MIN-200-12027		XRF
Ta	MIN-200-12027		XRF
Th	MIN-200-12027		XRF
W	MIN-200-12027		XRF
U	MIN-200-12027		XRF
Zr	MIN-200-12027		XRF

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CLIENT NAME: NIOSTAR CORP.
STE 201-2368 LAKESHORE ROAD W
OAKVILLE, ON L6L1H5
(905) 483-9920

ATTENTION TO: SCOTT KEEVIL

PROJECT: 14-85-1-120-1243-1362

AGAT WORK ORDER: 14U916035

SOLID ANALYSIS REVIEWED BY: Ron Cardinall, Certified Assayer - Director - Technical Services (Mining)

DATE REPORTED: Nov 28, 2014

PAGES (INCLUDING COVER): 10

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 14U916035

PROJECT: 14-85-1-120-1243-1362

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-049) Specific Gravity by Pychnometer

DATE SAMPLED: Nov 14, 2014 | DATE RECEIVED: Nov 14, 2014 | DATE REPORTED: Nov 28, 2014 | SAMPLE TYPE: Drill Core

Analyte:	Specific Gravity
Unit:	g/cm3
Sample ID (AGAT ID) RDL:	0.01
5731243 (6077116)	2.93
5731246 (6077119)	2.84
5731249 (6077122)	2.82
5731252 (6077125)	2.78
5731255 (6077128)	2.92
5731258 (6077131)	2.89
5731261 (6077134)	2.82
5731264 (6077137)	2.78
5731267 (6077140)	2.93
5731271 (6077144)	2.85
5731274 (6077147)	2.75
5731277 (6077150)	2.80
5731280 (6077153)	3.04
5731283 (6077156)	3.07
5731286 (6077159)	3.19
5731289 (6077162)	2.90
5731292 (6077165)	2.95
5731298 (6077171)	3.05
5731301 (6077174)	3.16
5731304 (6077177)	3.09
5731307 (6077180)	3.15
5731310 (6077183)	3.02
5731313 (6077186)	2.94
5731316 (6077189)	3.19
5731320 (6077193)	3.20
5731326 (6077199)	3.15
5731329 (6077202)	3.14
5731332 (6077205)	3.10
5731335 (6077208)	3.09
5731338 (6077211)	3.15
5731342 (6077215)	2.97
5731345 (6077218)	2.98

Certified By: Ron Cardinall

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AGAT WORK ORDER: 14U916035

PROJECT: 14-85-1-120-1243-1362

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-049) Specific Gravity by Pychnometer

DATE SAMPLED: Nov 14, 2014 | DATE RECEIVED: Nov 14, 2014 | DATE REPORTED: Nov 28, 2014 | SAMPLE TYPE: Drill Core

Analyte:	Specific Gravity
Unit:	g/cm3
Sample ID (AGAT ID) RDL:	0.01
5731348 (6077221)	2.99
5731354 (6077227)	3.13
5731357 (6077230)	2.89
5731360 (6077233)	2.99

Comments: RDL - Reported Detection Limit

Certified By: Ron Cardinall

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AGAT WORK ORDER: 14U916035

PROJECT: 14-85-1-120-1243-1362

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

DATE SAMPLED: Nov 14, 2014 | DATE RECEIVED: Nov 14, 2014 | DATE REPORTED: Nov 28, 2014 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Nb	Sb	Sn	Ta	Th	W	U	Zr
Unit:	kg	%	%	%	%	%	%	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
5731243 (6077116)	2.76	0.16	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.23
5731244 (6077117)	4.22	0.18	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.27
5731245 (6077118)	3.92	0.27	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.18
5731246 (6077119)	4.34	0.24	<0.01	<0.01	0.02	0.01	<0.01	<0.01	0.20
5731247 (6077120)	4.24	0.30	<0.01	<0.01	0.02	0.01	<0.01	<0.01	0.20
5731248 (6077121)	3.84	0.12	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.34
5731249 (6077122)	4.30	0.20	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.26
5731250 (6077123)	3.28	0.19	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.13
5731251 (6077124)	3.62	0.21	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.31
5731252 (6077125)	4.04	0.15	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.27
5731253 (6077126)	4.26	0.15	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.27
5731254 (6077127)	4.22	0.10	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.37
5731255 (6077128)	4.22	0.12	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.30
5731256 (6077129)	4.14	0.13	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.29
5731257 (6077130)	4.42	0.14	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.28
5731258 (6077131)	3.84	0.14	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.34
5731259 (6077132)	4.40	0.21	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.24
5731260 (6077133)	3.82	0.16	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.24
5731261 (6077134)	4.10	0.18	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.28
5731262 (6077135)	4.10	0.26	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.25
5731263 (6077136)	3.98	0.15	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.29
5731264 (6077137)	3.96	0.17	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.26
5731265 (6077138)	3.90	0.20	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.27
5731266 (6077139)	4.02	0.22	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.22
5731267 (6077140)	4.22	0.19	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.22
5731268 (6077141)	0.02	0.91	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	0.10
5731269 (6077142)	0.48	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
5731270 (6077143)	1.96	0.22	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.23
5731271 (6077144)	3.90	0.27	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.23
5731272 (6077145)	4.04	0.21	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.33
5731273 (6077146)	4.12	0.10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.17

Certified By: Ron Cardinall

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AGAT WORK ORDER: 14U916035

PROJECT: 14-85-1-120-1243-1362

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

DATE SAMPLED: Nov 14, 2014 | DATE RECEIVED: Nov 14, 2014 | DATE REPORTED: Nov 28, 2014 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Nb	Sb	Sn	Ta	Th	W	U	Zr
Unit:	kg	%	%	%	%	%	%	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
5731274 (6077147)	3.66	0.17	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.31
5731275 (6077148)	2.36	0.11	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.25
5731276 (6077149)	3.58	0.17	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	0.27
5731277 (6077150)	1.62	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05
5731278 (6077151)	2.90	0.20	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.07
5731279 (6077152)	4.66	0.30	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.29
5731280 (6077153)	4.48	0.34	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.15
5731281 (6077154)	4.24	0.42	<0.01	<0.01	0.01	0.03	<0.01	<0.01	0.13
5731282 (6077155)	4.68	0.46	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.13
5731283 (6077156)	4.32	0.34	<0.01	0.01	0.01	<0.01	<0.01	<0.01	0.13
5731284 (6077157)	4.26	0.39	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.11
5731285 (6077158)	4.58	0.33	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.09
5731286 (6077159)	4.62	0.40	<0.01	0.01	0.01	<0.01	<0.01	<0.01	0.12
5731287 (6077160)	4.08	0.34	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.48
5731288 (6077161)	4.14	0.36	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.31
5731289 (6077162)	4.08	0.40	<0.01	0.01	0.01	0.02	<0.01	<0.01	0.25
5731290 (6077163)	3.92	0.32	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.34
5731291 (6077164)	4.36	0.50	<0.01	<0.01	0.01	0.06	<0.01	<0.01	0.08
5731292 (6077165)	4.12	0.27	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.25
5731293 (6077166)	4.44	0.33	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.19
5731294 (6077167)	4.38	0.33	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.18
5731295 (6077168)	0.02	0.90	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.10
5731296 (6077169)	0.68	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
5731297 (6077170)	1.88	0.35	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.19
5731298 (6077171)	4.46	0.40	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.09
5731299 (6077172)	4.44	0.54	<0.01	<0.01	0.01	0.03	<0.01	<0.01	0.11
5731300 (6077173)	4.90	0.56	<0.01	0.01	0.01	<0.01	<0.01	<0.01	0.06
5731301 (6077174)	4.72	0.47	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.11
5731302 (6077175)	4.38	0.34	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.25
5731303 (6077176)	4.46	0.26	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.19
5731304 (6077177)	4.40	0.35	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.13

Certified By: Ron Cardinall

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AGAT WORK ORDER: 14U916035

PROJECT: 14-85-1-120-1243-1362

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

DATE SAMPLED: Nov 14, 2014 | DATE RECEIVED: Nov 14, 2014 | DATE REPORTED: Nov 28, 2014 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Nb	Sb	Sn	Ta	Th	W	U	Zr
Unit:	kg	%	%	%	%	%	%	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
5731305 (6077178)	4.28	0.33	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.14
5731306 (6077179)	4.74	0.34	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.10
5731307 (6077180)	4.54	0.41	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.11
5731308 (6077181)	4.66	0.31	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	0.16
5731309 (6077182)	4.34	0.37	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.14
5731310 (6077183)	4.40	0.41	<0.01	<0.01	0.02	0.02	<0.01	<0.01	0.16
5731311 (6077184)	4.62	0.37	<0.01	<0.01	0.01	0.03	<0.01	<0.01	0.20
5731312 (6077185)	4.26	0.42	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.15
5731313 (6077186)	4.32	0.41	<0.01	<0.01	0.01	0.04	<0.01	<0.01	0.20
5731314 (6077187)	4.86	0.26	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.11
5731315 (6077188)	5.46	0.32	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.04
5731316 (6077189)	5.00	0.64	<0.01	<0.01	0.01	0.06	<0.01	<0.01	0.06
5731317 (6077190)	4.42	0.40	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	0.05
5731318 (6077191)	4.56	0.45	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.07
5731319 (6077192)	4.56	0.42	<0.01	<0.01	0.01	0.03	<0.01	<0.01	0.10
5731320 (6077193)	4.56	0.61	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.04
5731321 (6077194)	3.02	0.74	<0.01	<0.01	0.01	0.06	<0.01	<0.01	0.06
5731322 (6077195)	3.44	0.32	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	0.03
5731323 (6077196)	0.02	0.90	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	0.12
5731324 (6077197)	1.34	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
5731325 (6077198)	1.34	0.33	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	0.03
5731326 (6077199)	2.44	0.46	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.04
5731327 (6077200)	4.62	0.47	<0.01	<0.01	0.01	0.04	<0.01	<0.01	0.06
5731328 (6077201)	4.36	0.27	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03
5731329 (6077202)	4.74	0.60	<0.01	0.01	<0.01	0.07	<0.01	<0.01	0.04
5731330 (6077203)	4.44	0.43	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03
5731331 (6077204)	4.42	0.24	<0.01	<0.01	<0.01	0.05	<0.01	<0.01	0.02
5731332 (6077205)	4.40	0.28	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03
5731333 (6077206)	4.32	0.40	<0.01	<0.01	<0.01	0.04	<0.01	<0.01	0.05
5731334 (6077207)	4.42	0.53	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.06
5731335 (6077208)	4.64	0.19	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.03

Certified By: Ron Cardinall

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Certificate of Analysis

AGAT WORK ORDER: 14U916035

PROJECT: 14-85-1-120-1243-1362

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

DATE SAMPLED: Nov 14, 2014 | DATE RECEIVED: Nov 14, 2014 | DATE REPORTED: Nov 28, 2014 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Nb	Sb	Sn	Ta	Th	W	U	Zr
Unit:	kg	%	%	%	%	%	%	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
5731336 (6077209)	4.42	0.30	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.06
5731337 (6077210)	4.38	0.64	<0.01	<0.01	0.01	0.04	<0.01	<0.01	0.10
5731338 (6077211)	4.70	0.56	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.07
5731339 (6077212)	2.02	0.31	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.05
5731340 (6077213)	3.44	0.34	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.08
5731341 (6077214)	4.04	0.21	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.05
5731342 (6077215)	4.64	0.17	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02
5731343 (6077216)	4.06	0.22	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.04
5731344 (6077217)	4.44	0.29	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.04
5731345 (6077218)	4.64	0.33	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.11
5731346 (6077219)	4.06	0.40	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.07
5731347 (6077220)	4.30	0.22	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03
5731348 (6077221)	4.40	0.22	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.11
5731349 (6077222)	4.16	0.44	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.11
5731350 (6077223)	4.50	0.34	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.14
5731351 (6077224)	0.02	0.89	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.10
5731352 (6077225)	1.16	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
5731353 (6077226)	1.90	0.37	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.13
5731354 (6077227)	4.14	0.28	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	0.03
5731355 (6077228)	4.42	0.18	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03
5731356 (6077229)	4.24	0.28	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.05
5731357 (6077230)	3.86	0.29	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	0.23
5731358 (6077231)	4.06	0.20	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.09
5731359 (6077232)	4.08	0.20	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.09
5731360 (6077233)	4.20	0.43	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.16
5731361 (6077234)	4.14	0.20	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.18
5731362 (6077235)	4.42	0.22	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	0.06

Comments: RDL - Reported Detection Limit

Certified By: Ron Cardinall

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Quality Assurance - Replicate

AGAT WORK ORDER: 14U916035

PROJECT: 14-85-1-120-1243-1362

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-049) Specific Gravity by Pychnometer

	REPLICATE #1															
Parameter	Sample ID	Original	Replicate	RPD												
Specific Gravity	6077116	2.93	2.93	0.0%												

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

	REPLICATE #1															
Parameter	Sample ID	Original	Replicate	RPD												
Nb	6077116	0.16	0.15	6.5%												
Sb	6077116	<0.01	<0.01	0.0%												
Sn	6077116	<0.01	<0.01	0.0%												
Ta	6077116	0.01	0.01	0.0%												
Th	6077116	<0.01	<0.01	0.0%												
W	6077116	<0.01	<0.01	0.0%												
U	6077116	<0.01	<0.01	0.0%												
Zr	6077116	0.23	0.24	4.3%												

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 14U916035

PROJECT: 14-85-1-120-1243-1362

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-049) Specific Gravity by Pychnometer

	CRM #1															
Parameter	Expect	Actual	Recovery	Limits												
Specific Gravity	2.68	2.70	100%	95% - 110%												

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

	CRM #1															
Parameter	Expect	Actual	Recovery	Limits												
Nb	0.40	0.38	95%	90% - 110%												
Sn	0.05	0.05	100%	90% - 110%												
Ta	0.02	0		90% - 110%												
Th	0.07	0.07	100%	90% - 110%												
U	0.01	0.01	100%	90% - 110%												
Zr	1.91	1.92	100%	90% - 110%												

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Method Summary

CLIENT NAME: NIOSTAR CORP.

AGAT WORK ORDER: 14U916035

PROJECT: 14-85-1-120-1243-1362

ATTENTION TO: SCOTT KEEVIL

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Specific Gravity	MIN-200-12024	ASTM D5550-06	Pychnometer
Sample Login Weight	MIN-12009		BALANCE
Nb	MIN-200-12027		XRF
Sb	MIN-200-12027		XRF
Sn	MIN-200-12027		XRF
Ta	MIN-200-12027		XRF
Th	MIN-200-12027		XRF
W	MIN-200-12027		XRF
U	MIN-200-12027		XRF
Zr	MIN-200-12027		XRF

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CLIENT NAME: NIOSTAR CORP.
STE 201-2368 LAKESHORE ROAD W
OAKVILLE, ON L6L1H5
(905) 483-9920

ATTENTION TO: SCOTT KEEVIL

PROJECT: 14-85-121-239-1363-1481-Salo 1

AGAT WORK ORDER: 14U920199

SOLID ANALYSIS REVIEWED BY: Ron Cardinall, Certified Assayer - Director - Technical Services (Mining)

DATE REPORTED: Dec 03, 2014

PAGES (INCLUDING COVER): 10

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 14U920199

PROJECT: 14-85-121-239-1363-1481-Salo 1

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-049) Specific Gravity by Pychnometer

DATE SAMPLED: Nov 25, 2014 | DATE RECEIVED: Nov 22, 2014 | DATE REPORTED: Dec 03, 2014 | SAMPLE TYPE: Drill Core

Analyte:	Specific Gravity
Unit:	g/cm3
Sample ID (AGAT ID) RDL:	0.01
E5731363 (6114331)	3.19
E5731366 (6114334)	3.02
E5731369 (6114337)	2.83
E5731372 (6114340)	3.09
E5731375 (6114343)	2.93
E5731378 (6114346)	3.04
E5731382 (6114350)	3.40
E5731385 (6114353)	3.21
E5731388 (6114356)	3.06
E5731391 (6114359)	2.96
E5731394 (6114362)	3.11
E5731397 (6114365)	3.03
E5731400 (6114368)	3.05
E5731403 (6114371)	2.84
E5731406 (6114374)	2.94
E5731410 (6114378)	2.98
E5731413 (6114381)	3.13
E5731416 (6114384)	3.05
E5731419 (6114387)	3.32
E5731422 (6114390)	2.71
E5731425 (6114393)	2.94
E5731428 (6114396)	3.24
E5731431 (6114399)	3.16
E5731434 (6114402)	3.10
E5731438 (6114406)	3.12
E5731441 (6114409)	3.20
E5731444 (6114412)	3.07
E5731447 (6114415)	3.21
E5731450 (6114418)	3.23
E5731456 (6114424)	2.74
E5731459 (6114427)	2.86
E5731462 (6114430)	2.84

Certified By: Ron Cardinall

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AGAT WORK ORDER: 14U920199

PROJECT: 14-85-121-239-1363-1481-Salo 1

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-049) Specific Gravity by Pychnometer

DATE SAMPLED: Nov 25, 2014 | DATE RECEIVED: Nov 22, 2014 | DATE REPORTED: Dec 03, 2014 | SAMPLE TYPE: Drill Core

Analyte:	Specific Gravity
Unit:	g/cm3
Sample ID (AGAT ID) RDL:	0.01
E5731466 (6114434)	2.87
E5731469 (6114437)	3.02
E5731472 (6114440)	2.93
E5731475 (6114443)	2.83
E5731478 (6114446)	2.87
E5731481 (6114449)	2.87

Comments: RDL - Reported Detection Limit

Certified By: Ron Cardinall

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AGAT WORK ORDER: 14U920199

PROJECT: 14-85-121-239-1363-1481-Salo 1

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

DATE SAMPLED: Nov 25, 2014 | DATE RECEIVED: Nov 22, 2014 | DATE REPORTED: Dec 03, 2014 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Nb	Sb	Sn	Ta	Th	W	U	Zr
Unit:	kg	%	%	%	%	%	%	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
E5731363 (6114331)	4.70	0.38	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.09
E5731364 (6114332)	4.44	0.24	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.05
E5731365 (6114333)	4.46	0.24	0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.06
E5731366 (6114334)	4.08	0.21	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05
E5731367 (6114335)	4.06	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
E5731368 (6114336)	4.34	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
E5731369 (6114337)	2.66	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
E5731370 (6114338)	3.70	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
E5731371 (6114339)	2.02	0.16	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.15
E5731372 (6114340)	4.60	0.14	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.19
E5731373 (6114341)	4.38	0.21	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.28
E5731374 (6114342)	4.22	0.23	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.24
E5731375 (6114343)	4.28	0.27	<0.01	<0.01	0.02	0.01	<0.01	<0.01	0.24
E5731376 (6114344)	4.30	0.18	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.20
E5731377 (6114345)	4.76	0.21	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.17
E5731378 (6114346)	4.72	0.25	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.29
E5731379 (6114347)	0.02	0.90	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.10
E5731380 (6114348)	0.30	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02
E5731381 (6114349)	1.96	0.23	0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.29
E5731382 (6114350)	5.36	0.49	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.07
E5731383 (6114351)	4.80	0.16	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.06
E5731384 (6114352)	4.68	0.25	0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.06
E5731385 (6114353)	4.80	0.38	<0.01	<0.01	0.01	0.03	<0.01	<0.01	0.09
E5731386 (6114354)	4.56	0.21	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.32
E5731387 (6114355)	4.40	0.37	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.25
E5731388 (6114356)	3.86	0.45	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.19
E5731389 (6114357)	4.80	0.57	<0.01	<0.01	0.02	0.01	<0.01	<0.01	0.16
E5731390 (6114358)	4.82	0.56	<0.01	<0.01	0.02	0.01	<0.01	<0.01	0.13
E5731391 (6114359)	4.30	0.18	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.26
E5731392 (6114360)	4.62	0.25	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.19
E5731393 (6114361)	4.68	0.38	0.01	<0.01	0.01	0.02	<0.01	<0.01	0.20

Certified By: Ron Cardinall

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Certificate of Analysis

AGAT WORK ORDER: 14U920199

PROJECT: 14-85-121-239-1363-1481-Salo 1

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

DATE SAMPLED: Nov 25, 2014 | DATE RECEIVED: Nov 22, 2014 | DATE REPORTED: Dec 03, 2014 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Nb	Sb	Sn	Ta	Th	W	U	Zr
Unit:	kg	%	%	%	%	%	%	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
E5731394 (6114362)	4.66	0.54	<0.01	<0.01	0.01	0.04	<0.01	<0.01	0.10
E5731395 (6114363)	5.00	0.20	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.25
E5731396 (6114364)	4.50	0.17	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.20
E5731397 (6114365)	4.68	0.18	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.15
E5731398 (6114366)	4.72	0.16	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.16
E5731399 (6114367)	4.40	0.12	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.13
E5731400 (6114368)	4.50	0.16	0.02	<0.01	0.01	<0.01	<0.01	<0.01	0.21
E5731401 (6114369)	4.60	0.14	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.30
E5731402 (6114370)	3.48	0.24	0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.19
E5731403 (6114371)	4.18	0.27	0.01	<0.01	0.01	0.03	<0.01	<0.01	0.30
E5731404 (6114372)	3.98	0.24	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.22
E5731405 (6114373)	2.82	0.25	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.08
E5731406 (6114374)	3.26	0.32	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	0.09
E5731407 (6114375)	0.04	0.89	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	0.11
E5731408 (6114376)	0.96	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02
E5731409 (6114377)	1.52	0.27	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	0.07
E5731410 (6114378)	1.94	0.37	0.01	0.01	0.01	0.02	<0.01	<0.01	0.12
E5731411 (6114379)	4.16	0.20	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.05
E5731412 (6114380)	4.94	0.26	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.05
E5731413 (6114381)	4.52	0.41	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	0.07
E5731414 (6114382)	4.08	0.26	<0.01	<0.01	<0.01	0.04	<0.01	<0.01	0.05
E5731415 (6114383)	4.60	0.20	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	0.05
E5731416 (6114384)	4.30	0.21	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.06
E5731417 (6114385)	4.70	0.32	<0.01	<0.01	<0.01	0.04	<0.01	<0.01	0.05
E5731418 (6114386)	4.92	0.41	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.06
E5731419 (6114387)	4.58	0.47	<0.01	<0.01	0.01	0.04	<0.01	<0.01	0.14
E5731420 (6114388)	4.42	0.38	<0.01	<0.01	<0.01	0.04	<0.01	<0.01	0.13
E5731421 (6114389)	4.04	0.21	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.20
E5731422 (6114390)	3.96	0.17	<0.01	<0.01	<0.01	0.04	<0.01	<0.01	0.19
E5731423 (6114391)	4.04	0.20	<0.01	<0.01	<0.01	0.04	<0.01	<0.01	0.10
E5731424 (6114392)	3.94	0.62	<0.01	<0.01	0.02	0.07	<0.01	<0.01	0.05

Certified By: Ron Cardinall

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Certificate of Analysis

AGAT WORK ORDER: 14U920199

PROJECT: 14-85-121-239-1363-1481-Salo 1

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

DATE SAMPLED: Nov 25, 2014 | DATE RECEIVED: Nov 22, 2014 | DATE REPORTED: Dec 03, 2014 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Nb	Sb	Sn	Ta	Th	W	U	Zr
Unit:	kg	%	%	%	%	%	%	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
E5731425 (6114393)	4.40	0.46	<0.01	<0.01	0.01	0.05	<0.01	<0.01	0.06
E5731426 (6114394)	4.80	0.39	<0.01	<0.01	<0.01	0.04	<0.01	<0.01	0.02
E5731427 (6114395)	5.46	0.61	<0.01	<0.01	0.01	0.06	<0.01	<0.01	0.04
E5731428 (6114396)	4.90	0.21	<0.01	0.01	<0.01	0.01	<0.01	<0.01	0.03
E5731429 (6114397)	4.56	0.25	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	0.02
E5731430 (6114398)	4.80	0.42	<0.01	<0.01	0.01	0.04	<0.01	<0.01	0.03
E5731431 (6114399)	4.50	0.20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.09
E5731432 (6114400)	4.86	0.39	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.03
E5731433 (6114401)	4.82	0.47	0.01	<0.01	0.01	0.02	<0.01	<0.01	0.02
E5731434 (6114402)	4.32	0.28	0.01	<0.01	<0.01	0.08	<0.01	<0.01	0.02
E5731435 (6114403)	0.06	0.37	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
E5731436 (6114404)	1.68	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
E5731437 (6114405)	2.00	0.23	<0.01	<0.01	<0.01	0.07	<0.01	<0.01	0.01
E5731438 (6114406)	4.20	0.29	0.01	<0.01	<0.01	0.04	<0.01	<0.01	0.02
E5731439 (6114407)	4.70	0.28	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.11
E5731440 (6114408)	4.76	0.35	<0.01	<0.01	0.02	0.03	<0.01	<0.01	0.11
E5731441 (6114409)	4.64	0.28	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.10
E5731442 (6114410)	4.64	0.32	<0.01	<0.01	0.01	0.04	<0.01	<0.01	0.11
E5731443 (6114411)	4.18	0.29	0.01	<0.01	0.01	0.02	<0.01	<0.01	0.11
E5731444 (6114412)	4.14	0.28	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.15
E5731445 (6114413)	4.60	0.42	0.01	<0.01	0.01	0.02	<0.01	<0.01	0.07
E5731446 (6114414)	4.52	0.44	<0.01	<0.01	0.01	0.03	<0.01	<0.01	0.09
E5731447 (6114415)	4.86	0.39	0.01	<0.01	0.01	0.01	<0.01	<0.01	0.08
E5731448 (6114416)	4.38	0.43	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.17
E5731449 (6114417)	4.98	0.27	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.07
E5731450 (6114418)	4.06	0.35	0.01	<0.01	0.01	0.01	<0.01	<0.01	0.06
E5731451 (6114419)	4.38	0.33	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	0.11
E5731452 (6114420)	4.38	0.50	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.12
E5731453 (6114421)	4.42	0.32	0.01	0.01	<0.01	<0.01	<0.01	<0.01	0.17
E5731454 (6114422)	3.56	0.34	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	0.18
E5731455 (6114423)	3.64	0.16	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.26

Certified By: Ron Cardinall

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Certificate of Analysis

AGAT WORK ORDER: 14U920199

PROJECT: 14-85-121-239-1363-1481-Salo 1

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

DATE SAMPLED: Nov 25, 2014 | DATE RECEIVED: Nov 22, 2014 | DATE REPORTED: Dec 03, 2014 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Nb	Sb	Sn	Ta	Th	W	U	Zr
Unit:	kg	%	%	%	%	%	%	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
E5731456 (6114424)	1.16	0.17	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.34
E5731457 (6114425)	2.50	0.17	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.42
E5731458 (6114426)	4.16	0.16	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.30
E5731459 (6114427)	3.82	0.10	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.33
E5731460 (6114428)	4.22	0.13	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.42
E5731461 (6114429)	3.80	0.11	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.29
E5731462 (6114430)	3.80	0.08	0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.41
E5731463 (6114431)	0.04	0.37	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
E5731464 (6114432)	2.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02
E5731465 (6114433)	1.58	0.08	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.33
E5731466 (6114434)	3.74	0.14	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.34
E5731467 (6114435)	4.24	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.29
E5731468 (6114436)	4.14	0.09	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.48
E5731469 (6114437)	4.24	0.15	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.31
E5731470 (6114438)	3.98	0.20	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.28
E5731471 (6114439)	4.52	0.12	0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.39
E5731472 (6114440)	4.30	0.09	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.43
E5731473 (6114441)	3.72	0.14	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.32
E5731474 (6114442)	3.90	0.06	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.03
E5731475 (6114443)	3.80	0.09	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.39
E5731476 (6114444)	3.82	0.10	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.33
E5731477 (6114445)	3.90	0.34	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	0.30
E5731478 (6114446)	3.98	0.16	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.17
E5731479 (6114447)	3.48	0.09	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.35
E5731480 (6114448)	3.88	0.08	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.46
E5731481 (6114449)	4.14	0.08	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.44

Comments: RDL - Reported Detection Limit

Certified By: Ron Cardinall

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Quality Assurance - Replicate

AGAT WORK ORDER: 14U920199

PROJECT: 14-85-121-239-1363-1481-Salo 1

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

	REPLICATE #1															
Parameter	Sample ID	Original	Replicate	RPD												
Nb	6114331	0.39	0.38	2.6%												
Sb	6114331	<0.01	<0.01	0.0%												
Sn	6114331	<0.01	<0.01	0.0%												
Ta	6114331	0.01	0.01	0.0%												
Th	6114331	0.02	0.02	0.0%												
W	6114331	<0.01	<0.01	0.0%												
U	6114331	<0.01	<0.01	0.0%												
Zr	6114331	0.08	0.09	11.8%												

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 14U920199

PROJECT: 14-85-121-239-1363-1481-Salo 1

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

	CRM #1															
Parameter	Expect	Actual	Recovery	Limits												
Nb	0.40	0.38	95%	90% - 110%												
Sb	0	0		90% - 110%												
Sn	0.05	0.05	100%	90% - 110%												
Ta	0.02	0		90% - 110%												
Th	0.08	0.08	100%	90% - 110%												
W	0	0		90% - 110%												
U	0.01	0.01	100%	90% - 110%												
Zr	1.91	1.91	100%	90% - 110%												

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Method Summary

CLIENT NAME: NIOSTAR CORP.

AGAT WORK ORDER: 14U920199

PROJECT: 14-85-121-239-1363-1481-Salo 1

ATTENTION TO: SCOTT KEEVIL

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Specific Gravity	MIN-200-12024	ASTM D5550-06	Pychnometer
Sample Login Weight	MIN-12009		BALANCE
Nb	MIN-200-12027		XRF
Sb	MIN-200-12027		XRF
Sn	MIN-200-12027		XRF
Ta	MIN-200-12027		XRF
Th	MIN-200-12027		XRF
W	MIN-200-12027		XRF
U	MIN-200-12027		XRF
Zr	MIN-200-12027		XRF

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CLIENT NAME: NIOSTAR CORP.
STE 201-2368 LAKESHORE ROAD W
OAKVILLE, ON L6L1H5
(905) 483-9920

ATTENTION TO: SCOTT KEEVIL

PROJECT: Nemegosenda Niobium Project

AGAT WORK ORDER: 14U920213

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Dec 01, 2014

PAGES (INCLUDING COVER): 10

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 14U920213

PROJECT: Nemegosenda Niobium Project

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-049) Specific Gravity by Pychnometer

DATE SAMPLED: Nov 25, 2014 | DATE RECEIVED: Nov 22, 2014 | DATE REPORTED: Dec 01, 2014 | SAMPLE TYPE: Drill Core

Analyte:	Specific Gravity
Unit:	g/cm3
Sample ID (AGAT ID) RDL:	0.01
5731483 (6114474)	3.09
5731486 (6114477)	2.83
5731490 (6114481)	2.96
5731493 (6114484)	2.95
5731496 (6114487)	2.92
5731499 (6114490)	2.82
5731502 (6114493)	2.90
5731505 (6114496)	2.97
5731510 (6114501)	2.99
5731513 (6114504)	2.93
5731516 (6114507)	2.84
5731519 (6114510)	2.85
5731522 (6114514)	2.88
5731525 (6114517)	2.94
5731528 (6114520)	2.81
5731531 (6114524)	2.87
5731534 (6114527)	2.95
5731541 (6114535)	3.21
5731544 (6114538)	3.02
5731547 (6114541)	3.03
5731550 (6114544)	2.85
5731553 (6114547)	3.02
5731556 (6114550)	2.75
5731559 (6114553)	3.00
5731562 (6114556)	2.98
5731567 (6114561)	3.01
5731570 (6114565)	3.20
5731573 (6114568)	3.19
5731576 (6114571)	3.22
5731579 (6114575)	3.46
5731582 (6114578)	3.17
5731585 (6114581)	3.06

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 14U920213

PROJECT: Nemegosenda Niobium Project

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-049) Specific Gravity by Pychnometer

DATE SAMPLED: Nov 25, 2014 | DATE RECEIVED: Nov 22, 2014 | DATE REPORTED: Dec 01, 2014 | SAMPLE TYPE: Drill Core

Analyte:	Specific Gravity
Unit:	g/cm3
Sample ID (AGAT ID) RDL:	0.01
5731588 (6114585)	2.85
5731594 (6114592)	2.76
5731597 (6114595)	2.94

Comments: RDL - Reported Detection Limit

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 14U920213

PROJECT: Nemegosenda Niobium Project

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

DATE SAMPLED: Nov 25, 2014 | DATE RECEIVED: Nov 22, 2014 | DATE REPORTED: Dec 01, 2014 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Nb	Sb	Sn	Ta	Th	W	U	Zr
Unit:	kg	%	%	%	%	%	%	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
5731482 (6114473)	2.90	0.28	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.27
5731483 (6114474)	3.98	0.22	<0.01	<0.01	0.01	0.04	<0.01	<0.01	0.20
5731484 (6114475)	3.86	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
5731485 (6114476)	4.18	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02
5731486 (6114477)	4.30	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
5731487 (6114478)	4.46	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
5731488 (6114479)	4.20	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
5731489 (6114480)	4.28	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02
5731490 (6114481)	4.14	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.04
5731491 (6114482)	4.34	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03
5731492 (6114483)	4.06	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.09
5731493 (6114484)	4.08	0.06	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	0.17
5731494 (6114485)	4.22	0.14	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	0.25
5731495 (6114486)	4.02	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.08
5731496 (6114487)	4.08	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.08
5731497 (6114488)	3.82	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.09
5731498 (6114489)	3.66	0.07	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.15
5731499 (6114490)	3.66	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.07
5731500 (6114491)	4.74	0.39	0.01	<0.01	0.01	0.02	<0.01	<0.01	0.15
5731501 (6114492)	4.20	0.22	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.22
5731502 (6114493)	3.82	0.25	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.19
5731503 (6114494)	3.80	0.29	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.17
5731504 (6114495)	4.40	0.22	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.23
5731505 (6114496)	4.02	0.17	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.17
5731506 (6114497)	4.08	0.23	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.18
5731507 (6114498)	0.06	0.37	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
5731508 (6114499)	0.42	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
5731509 (6114500)	1.92	0.19	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.24
5731510 (6114501)	4.12	0.21	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.23
5731511 (6114502)	4.24	0.21	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	0.20
5731512 (6114503)	4.32	0.16	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.16

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Certificate of Analysis

AGAT WORK ORDER: 14U920213

PROJECT: Nemegosenda Niobium Project

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

DATE SAMPLED: Nov 25, 2014 | DATE RECEIVED: Nov 22, 2014 | DATE REPORTED: Dec 01, 2014 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Nb	Sb	Sn	Ta	Th	W	U	Zr
Unit:	kg	%	%	%	%	%	%	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
5731513 (6114504)	3.90	0.16	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.24
5731514 (6114505)	4.14	0.09	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.23
5731515 (6114506)	3.68	0.10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.13
5731516 (6114507)	3.84	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.04
5731517 (6114508)	3.64	0.05	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05
5731518 (6114509)	4.06	0.06	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.41
5731519 (6114510)	3.64	0.06	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.41
5731520 (6114511)	3.86	0.06	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.41
5731521 (6114512)	4.10	0.11	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.33
5731522 (6114514)	4.48	0.13	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.27
5731523 (6114515)	3.96	0.14	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.17
5731524 (6114516)	4.14	0.15	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.34
5731525 (6114517)	3.70	0.14	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.24
5731526 (6114518)	4.08	0.13	0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.27
5731527 (6114519)	3.64	0.19	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.27
5731528 (6114520)	3.80	0.16	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.32
5731529 (6114521)	4.04	0.08	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.40
5731530 (6114522)	4.18	0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.31
5731531 (6114524)	4.10	0.09	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.39
5731532 (6114525)	4.54	0.11	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.40
5731533 (6114526)	3.64	0.14	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.33
5731534 (6114527)	3.82	0.17	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.31
5731535 (6114528)	0.06	0.37	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
5731536 (6114529)	0.66	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
5731537 (6114530)	1.98	0.20	<0.01	<0.01	0.02	0.01	<0.01	<0.01	0.33
5731538 (6114532)	4.28	0.22	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.30
5731539 (6114533)	4.04	0.19	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.24
5731540 (6114534)	4.10	0.19	<0.01	<0.01	0.01	0.01	<0.01	0.01	0.33
5731541 (6114535)	4.40	0.42	<0.01	<0.01	0.02	0.03	<0.01	<0.01	0.14
5731542 (6114536)	4.30	0.29	<0.01	<0.01	0.02	0.01	<0.01	0.01	0.10
5731543 (6114537)	4.34	0.20	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.22

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Certificate of Analysis

AGAT WORK ORDER: 14U920213

PROJECT: Nemegosenda Niobium Project

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

DATE SAMPLED: Nov 25, 2014 | DATE RECEIVED: Nov 22, 2014 | DATE REPORTED: Dec 01, 2014 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Nb	Sb	Sn	Ta	Th	W	U	Zr
Unit:	kg	%	%	%	%	%	%	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
5731544 (6114538)	4.32	0.33	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.18
5731545 (6114539)	4.02	0.23	<0.01	<0.01	0.02	0.01	<0.01	<0.01	0.14
5731546 (6114540)	4.12	0.28	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.13
5731547 (6114541)	3.98	0.29	0.01	<0.01	0.01	0.02	<0.01	<0.01	0.11
5731548 (6114542)	4.40	0.38	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.12
5731549 (6114543)	4.38	0.45	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.14
5731550 (6114544)	4.00	0.23	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.09
5731551 (6114545)	3.82	0.22	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.26
5731552 (6114546)	4.10	0.32	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.18
5731553 (6114547)	4.40	0.39	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.17
5731554 (6114548)	4.56	0.49	<0.01	<0.01	0.01	0.03	<0.01	<0.01	0.21
5731555 (6114549)	3.52	0.24	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.11
5731556 (6114550)	3.38	0.18	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.11
5731557 (6114551)	4.12	0.37	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.14
5731558 (6114552)	4.14	0.34	<0.01	<0.01	0.01	0.03	<0.01	<0.01	0.17
5731559 (6114553)	3.82	0.52	<0.01	<0.01	0.02	0.04	<0.01	<0.01	0.11
5731560 (6114554)	4.12	0.53	<0.01	<0.01	0.01	0.04	<0.01	<0.01	0.12
5731561 (6114555)	3.98	0.44	<0.01	<0.01	0.01	0.03	<0.01	<0.01	0.09
5731562 (6114556)	4.06	0.49	<0.01	<0.01	0.02	0.04	<0.01	<0.01	0.12
5731563 (6114557)	0.04	0.37	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
5731564 (6114558)	0.68	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
5731565 (6114559)	1.96	0.51	<0.01	<0.01	0.02	0.05	<0.01	<0.01	0.11
5731566 (6114560)	4.08	0.37	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.12
5731567 (6114561)	4.10	0.34	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.12
5731568 (6114562)	4.22	0.28	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.12
5731569 (6114564)	4.30	0.35	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.13
5731570 (6114565)	4.58	0.51	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.11
5731571 (6114566)	4.06	0.34	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	0.06
5731572 (6114567)	4.52	0.46	<0.01	<0.01	0.01	0.03	<0.01	<0.01	0.07
5731573 (6114568)	4.30	0.44	<0.01	<0.01	<0.01	0.04	<0.01	<0.01	0.06
5731574 (6114569)	4.94	0.40	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	0.07

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Certificate of Analysis

AGAT WORK ORDER: 14U920213

PROJECT: Nemegosenda Niobium Project

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

DATE SAMPLED: Nov 25, 2014 | DATE RECEIVED: Nov 22, 2014 | DATE REPORTED: Dec 01, 2014 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Nb	Sb	Sn	Ta	Th	W	U	Zr
Unit:	kg	%	%	%	%	%	%	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
5731575 (6114570)	4.46	0.49	<0.01	<0.01	0.01	0.05	<0.01	<0.01	0.05
5731576 (6114571)	4.58	0.48	<0.01	<0.01	0.01	0.04	<0.01	<0.01	0.05
5731577 (6114572)	4.06	0.48	<0.01	<0.01	0.01	0.03	<0.01	<0.01	0.05
5731578 (6114574)	4.86	0.56	<0.01	<0.01	0.02	0.04	<0.01	0.01	0.05
5731579 (6114575)	4.50	0.55	<0.01	<0.01	0.01	0.07	<0.01	<0.01	0.04
5731580 (6114576)	4.82	0.55	<0.01	<0.01	0.01	0.05	<0.01	<0.01	0.04
5731581 (6114577)	4.28	0.49	<0.01	<0.01	0.01	0.06	<0.01	<0.01	0.04
5731582 (6114578)	5.00	0.57	0.01	<0.01	0.01	0.06	<0.01	<0.01	0.07
5731583 (6114579)	4.06	0.54	<0.01	<0.01	0.01	0.03	<0.01	<0.01	0.12
5731584 (6114580)	4.42	0.25	0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.07
5731585 (6114581)	4.06	0.38	<0.01	<0.01	<0.01	0.04	<0.01	<0.01	0.09
5731586 (6114583)	4.32	0.58	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.08
5731587 (6114584)	3.78	0.20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.09
5731588 (6114585)	4.12	0.27	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.09
5731589 (6114586)	3.70	0.29	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.10
5731590 (6114587)	3.74	0.10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.07
5731591 (6114588)	0.04	0.36	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
5731592 (6114589)	0.86	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
5731593 (6114590)	1.78	0.12	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.07
5731594 (6114592)	3.60	0.17	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03
5731595 (6114593)	3.98	0.17	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.07
5731596 (6114594)	3.90	0.19	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.09
5731597 (6114595)	3.88	0.53	<0.01	<0.01	0.01	0.03	<0.01	<0.01	0.15
5731598 (6114596)	4.04	1.19	<0.01	0.01	0.02	0.09	<0.01	<0.01	0.17
5731599 (6114597)	4.70	0.85	<0.01	<0.01	0.02	0.06	<0.01	<0.01	0.16
5731639 (6115183)	3.90	0.34	0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.21
5731640 (6115184)	3.78	0.29	0.01	<0.01	0.01	0.02	<0.01	<0.01	0.11

Comments: RDL - Reported Detection Limit

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Quality Assurance - Replicate

AGAT WORK ORDER: 14U920213

PROJECT: Nemegosenda Niobium Project

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-049) Specific Gravity by Pychnometer

	REPLICATE #1				REPLICATE #2											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Specific Gravity	6114524	2.87	2.90	1.0%	6114595	2.94	2.92	0.7%								

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Nb	6114473	0.28	0.28	0.0%	6114497	0.23	0.23	0.0%	6114524	0.09	0.09	0.0%	6114550	0.18	0.18	0.0%
Sb	6114473	<0.01	<0.01	0.0%	6114497	< 0.01	< 0.01	0.0%	6114524	< 0.01	< 0.01	0.0%	6114550	< 0.01	< 0.01	0.0%
Sn	6114473	<0.01	<0.01	0.0%	6114497	< 0.01	< 0.01	0.0%	6114524	< 0.01	< 0.01	0.0%	6114550	< 0.01	< 0.01	0.0%
Ta	6114473	0.01	0.01	0.0%	6114497	0.01	0.01	0.0%	6114524	0.01	0.01	0.0%	6114550	< 0.01	< 0.01	0.0%
Th	6114473	0.02	0.02	0.0%	6114497	< 0.01	< 0.01	0.0%								
W	6114473	<0.01	<0.01	0.0%	6114497	< 0.01	< 0.01	0.0%	6114524	< 0.01	< 0.01	0.0%	6114550	< 0.01	< 0.01	0.0%
U	6114473	<0.01	<0.01	0.0%	6114497	< 0.01	< 0.01	0.0%								
Zr	6114473	0.27	0.27	0.0%	6114497	0.18	0.19	5.4%	6114524	0.39	0.38	2.6%	6114550	0.11	0.11	0.0%

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 14U920213

PROJECT: Nemegosenda Niobium Project

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-049) Specific Gravity by Pychnometer

	CRM #1				CRM #2				CRM #3				CRM #4			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Specific Gravity	2.68	2.70	100%	95% - 110%	2.68	2.70	100%	95% - 110%								

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

	CRM #1				CRM #2				CRM #3				CRM #4			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Nb	0.40	0.38	95%	90% - 110%	0.41	0.38	92%	90% - 110%	0.41	0.38	92%	90% - 110%	0.41	0.38	92%	90% - 110%
Sn	0.05	0.05	100%	90% - 110%	0.05	0.05	100%	90% - 110%	0.05	0.05	100%	90% - 110%	0.05	0.05	100%	90% - 110%
Th	0.08	0.08	100%	90% - 110%	0.08	0.08	100%	90% - 110%								
W	0.01	0.01	100%	90% - 110%	0.01	0.01	100%	90% - 110%								
U	0.01	0.01	100%	90% - 110%	0.01	0.01	100%	90% - 110%								
Zr	1.91	1.93	101%	90% - 110%	1.91	1.91	100%	90% - 110%	1.91	1.92	100%	90% - 110%	1.91	1.91	100%	90% - 110%

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Method Summary

CLIENT NAME: NIOSTAR CORP.

AGAT WORK ORDER: 14U920213

PROJECT: Nemegosenda Niobium Project

ATTENTION TO: SCOTT KEEVIL

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Specific Gravity	MIN-200-12024	ASTM D5550-06	Pychnometer
Sample Login Weight	MIN-12009		BALANCE
Nb	MIN-200-12027		XRF
Sb	MIN-200-12027		XRF
Sn	MIN-200-12027		XRF
Ta	MIN-200-12027		XRF
Th	MIN-200-12027		XRF
W	MIN-200-12027		XRF
U	MIN-200-12027		XRF
Zr	MIN-200-12027		XRF

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CLIENT NAME: NIOSTAR CORP.
STE 201-2368 LAKESHORE ROAD W
OAKVILLE, ON L6L1H5
(905) 483-9920

ATTENTION TO: SCOTT KEEVIL

PROJECT: 14-86_121-157_1600-1636_Currah & Currah-2

AGAT WORK ORDER: 14T919329

SOLID ANALYSIS REVIEWED BY: Ron Cardinall, Certified Assayer - Director - Technical Services (Mining)

DATE REPORTED: Nov 26, 2014

PAGES (INCLUDING COVER): 7

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 14T919329

PROJECT: 14-86_121-157_1600-1636_Currah & Currah-2

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-049) Specific Gravity by Pychnometer

DATE SAMPLED: Nov 21, 2014 | DATE RECEIVED: Nov 18, 2014 | DATE REPORTED: Nov 26, 2014 | SAMPLE TYPE: Drill Core

Analyte:	Specific Gravity
Unit:	g/cm3
Sample ID (AGAT ID) RDL:	0.01
5731600 (6104713)	3.29
5731603 (6104716)	2.98
5731606 (6104719)	3.07
5731609 (6104722)	3.01
5731612 (6104725)	2.98
5731615 (6104728)	2.92
5731618 (6104731)	2.99
5731624 (6104737)	2.97
5731627 (6104740)	2.94
5731630 (6104743)	2.93
5731633 (6104746)	2.87
5731636 (6104749)	2.87

Comments: RDL - Reported Detection Limit

Certified By: Ron Cardinall

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AGAT WORK ORDER: 14T919329

PROJECT: 14-86_121-157_1600-1636_Currah & Currah-2

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

DATE SAMPLED: Nov 21, 2014 | DATE RECEIVED: Nov 18, 2014 | DATE REPORTED: Nov 26, 2014 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Ba	Nb	Sb	Sn	Ta	Th	W	U	Zr
Unit:	kg	%	%	%	%	%	%	%	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
5731600 (6104713)	4.64	0.06	0.60	<0.01	0.01	0.01	0.03	<0.01	<0.01	0.17
5731601 (6104714)	4.49	0.06	0.51	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.18
5731602 (6104715)	4.56	0.06	0.43	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	0.10
5731603 (6104716)	4.03	0.11	0.30	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02
5731604 (6104717)	4.06	0.20	0.13	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02
5731605 (6104718)	4.09	0.11	0.16	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.04
5731606 (6104719)	4.17	0.25	0.27	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.12
5731607 (6104720)	3.88	0.08	0.26	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.31
5731608 (6104721)	4.15	0.09	0.25	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.26
5731609 (6104722)	4.14	0.09	0.26	0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.28
5731610 (6104723)	4.53	0.11	0.25	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.27
5731611 (6104724)	4.62	0.08	0.18	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.37
5731612 (6104725)	3.76	0.09	0.26	<0.01	0.01	0.01	0.02	<0.01	<0.01	0.27
5731613 (6104726)	4.68	0.09	0.30	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.19
5731614 (6104727)	4.12	0.08	0.28	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.25
5731615 (6104728)	3.92	0.15	0.26	0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.24
5731616 (6104729)	4.52	0.10	0.31	<0.01	<0.01	0.02	0.01	<0.01	<0.01	0.25
5731617 (6104730)	4.17	0.10	0.28	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.29
5731618 (6104731)	4.02	0.08	0.24	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.31
5731619 (6104732)	0.05	0.48	0.38	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
5731620 (6104733)	0.73	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
5731621 (6104734)	2.01	0.08	0.26	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.31
5731622 (6104735)	3.74	0.09	0.26	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.29
5731623 (6104736)	3.64	0.10	0.26	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.30
5731624 (6104737)	4.18	0.10	0.27	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.27
5731625 (6104738)	4.06	0.09	0.30	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	0.30
5731626 (6104739)	4.22	0.07	0.28	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.29
5731627 (6104740)	4.08	0.08	0.26	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.30
5731628 (6104741)	4.12	0.08	0.25	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.31
5731629 (6104742)	4.54	0.09	0.27	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.29
5731630 (6104743)	4.01	0.10	0.29	<0.01	<0.01	0.01	0.03	<0.01	<0.01	0.31

Certified By: Ron Cardinall

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Certificate of Analysis

AGAT WORK ORDER: 14T919329

PROJECT: 14-86_121-157_1600-1636_Currah & Currah-2

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

DATE SAMPLED: Nov 21, 2014 | DATE RECEIVED: Nov 18, 2014 | DATE REPORTED: Nov 26, 2014 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Ba	Nb	Sb	Sn	Ta	Th	W	U	Zr
Unit:	kg	%	%	%	%	%	%	%	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
5731631 (6104744)	3.95	0.13	0.30	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.32
5731632 (6104745)	4.32	0.26	0.15	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.11
5731633 (6104746)	4.09	0.30	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02
5731634 (6104747)	3.79	0.30	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
5731635 (6104748)	4.14	0.30	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
5731636 (6104749)	2.89	0.28	0.03	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.08

Comments: RDL - Reported Detection Limit

Certified By: Ron Cardinall

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Quality Assurance - Replicate

AGAT WORK ORDER: 14T919329

PROJECT: 14-86_121-157_1600-1636_Currah & Currah-2

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-049) Specific Gravity by Pychnometer

	REPLICATE #1															
Parameter	Sample ID	Original	Replicate	RPD												
Specific Gravity	6104713	3.29	3.29	0.0%												

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

	REPLICATE #1															
Parameter	Sample ID	Original	Replicate	RPD												
Ba	6104713	0.06	0.06	0.0%												
Nb	6104713	0.60	0.60	0.0%												
Sb	6104713	<0.01	<0.01	0.0%												
Sn	6104713	0.01	0.01	0.0%												
Ta	6104713	0.01	0.01	0.0%												
Th	6104713	0.03	0.03	0.0%												
W	6104713	<0.01	<0.01	0.0%												
U	6104713	<0.01	<0.01	0.0%												
Zr	6104713	0.18	0.17	5.7%												

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 14T919329

PROJECT: 14-86_121-157_1600-1636_Currah & Currah-2

CLIENT NAME: NIOSTAR CORP.

ATTENTION TO: SCOTT KEEVIL

(201-049) Specific Gravity by Pychnometer

	CRM #1															
Parameter	Expect	Actual	Recovery	Limits												
Specific Gravity	2.68	2.70	100%	95% - 110%												

(201-678) Lithium Borate Fusion - Nb, Ta, Th, U - XRF Finish

	CRM #1															
Parameter	Expect	Actual	Recovery	Limits												
Ba	0.01	0.01	100%	90% - 110%												
Nb	0.40	0.38	95%	90% - 110%												
Sn	0.05	0.05	100%	90% - 110%												
Ta	0.01	0.01	100%	90% - 110%												
Th	0.07	0.07	100%	90% - 110%												
U	0.01	0.01	100%	90% - 110%												
Zr	1.91	1.92	100%	90% - 110%												

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Method Summary

CLIENT NAME: NIOSTAR CORP.

AGAT WORK ORDER: 14T919329

PROJECT: 14-86_121-157_1600-1636_Currah & Currah-2

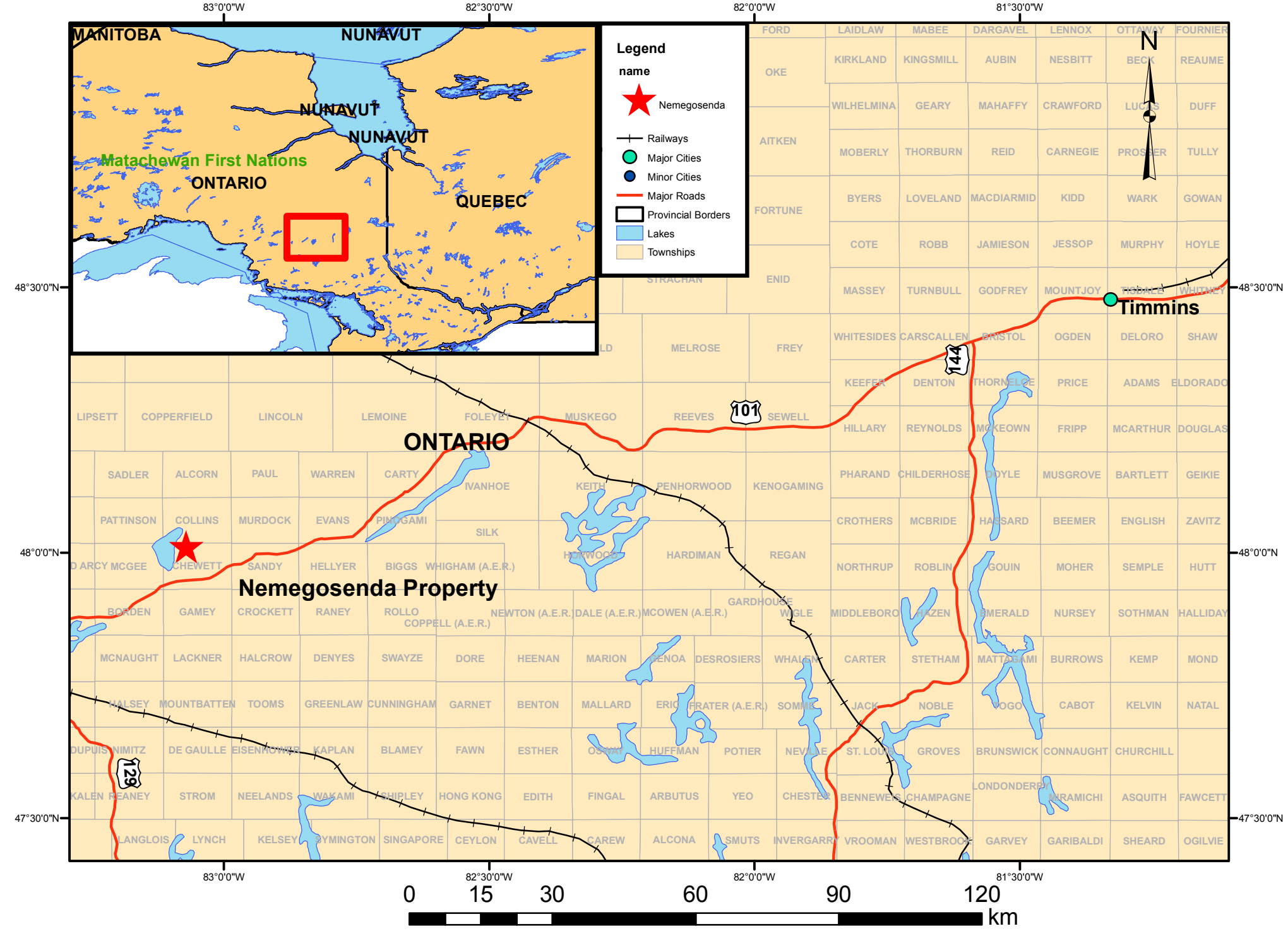
ATTENTION TO: SCOTT KEEVIL

SAMPLING SITE:

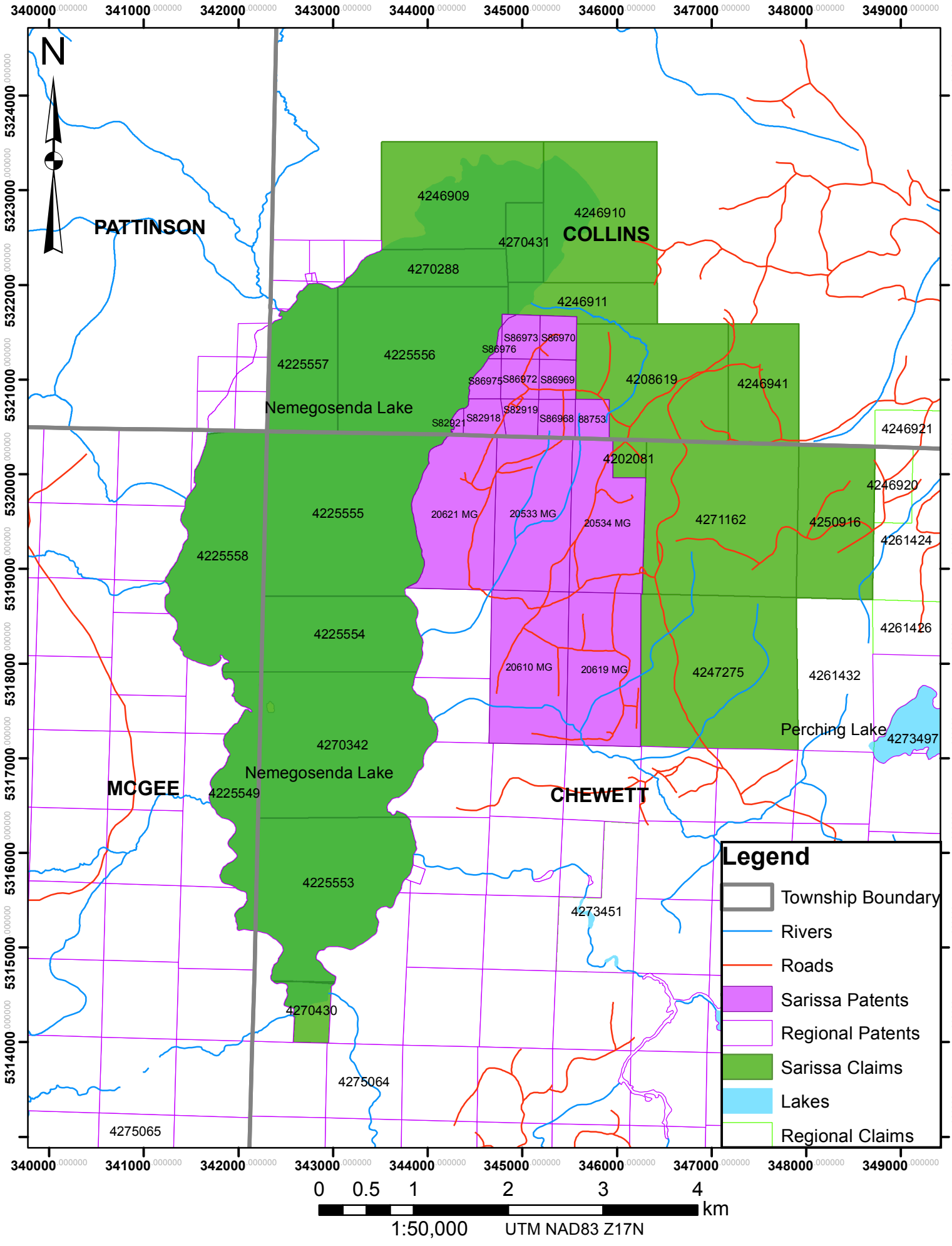
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Specific Gravity	MIN-200-12024	ASTM D5550-06	Pychnometer
Sample Login Weight	MIN-12009		BALANCE
Ba	MIN-200-12027		XRF
Nb	MIN-200-12027		XRF
Sb	MIN-200-12027		XRF
Sn	MIN-200-12027		XRF
Ta	MIN-200-12027		XRF
Th	MIN-200-12027		XRF
W	MIN-200-12027		XRF
U	MIN-200-12027		XRF
Zr	MIN-200-12027		XRF

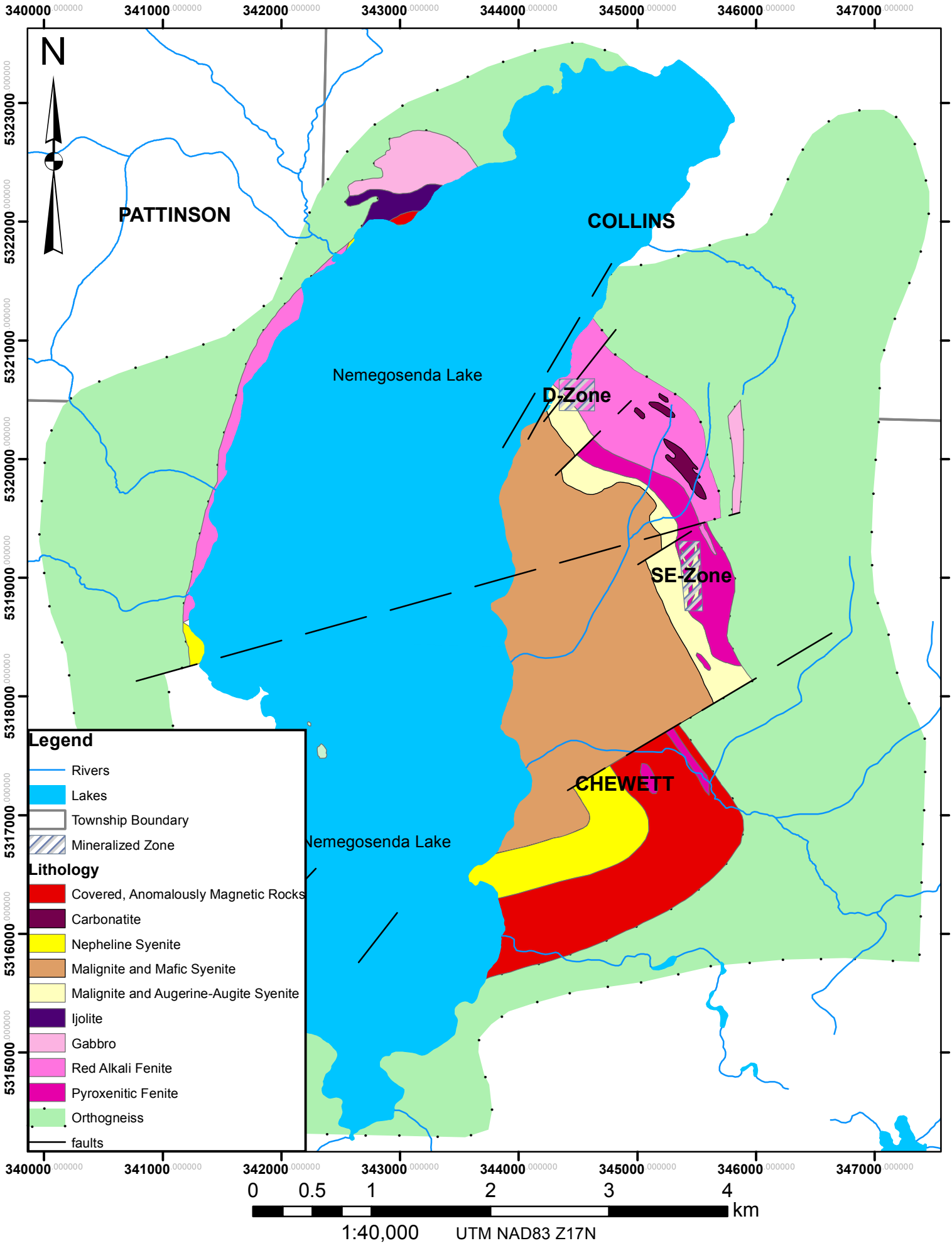
Map 1: Regional Location Map



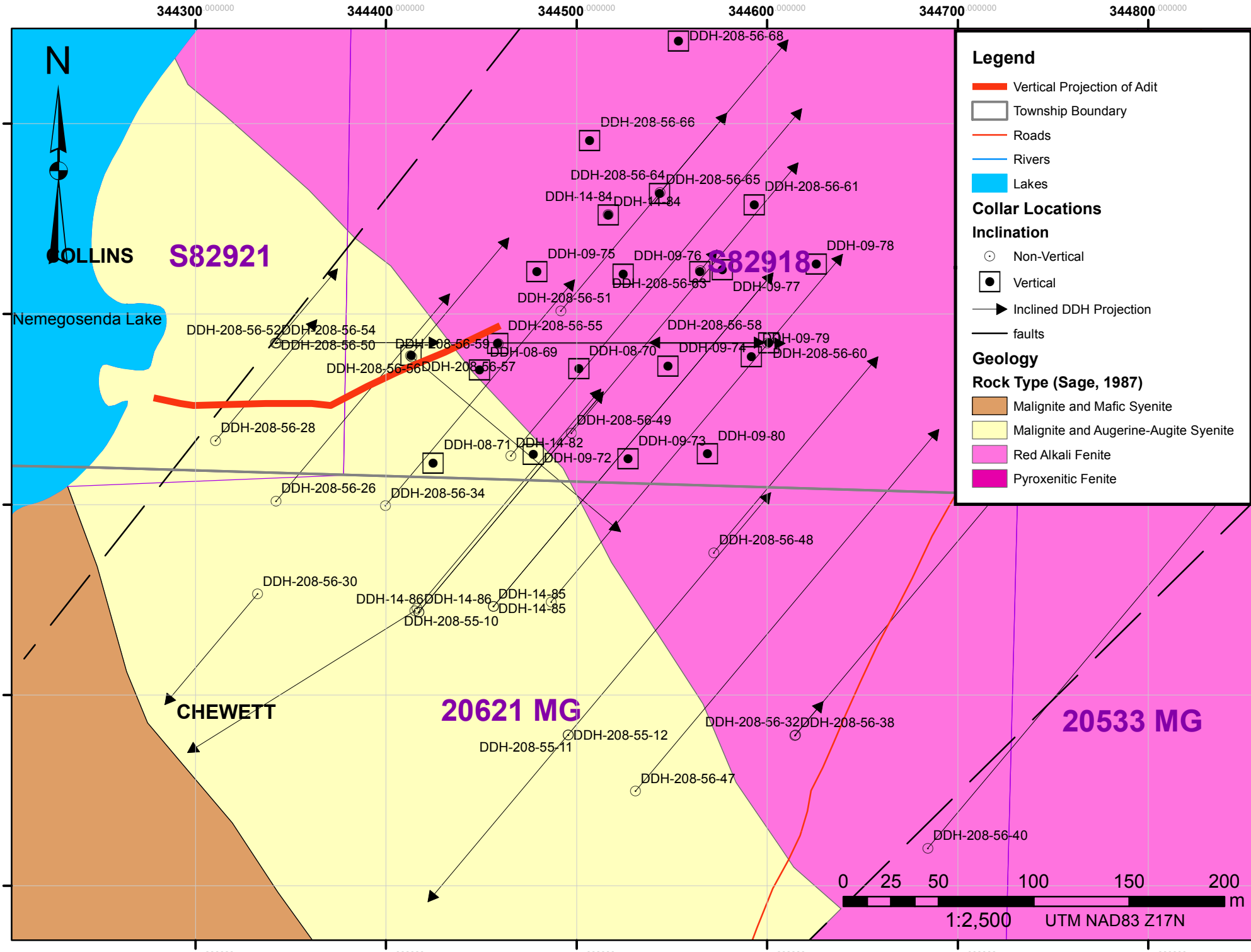
Map 2: Nemegosenda Property Claim Holdings



Map 3: Nemegosenda Lake Property Geology



Map 4: D-Zone Exploration Summary and Local Geology



Map 5: DDH-14-84, DDH-14-85 and DDH-14-86 Locations