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KNEE LAKE PROJECT

1992 RECONNAISSANCE GEOLOGICAL SURVEY

PERMIT # 114 72612

NTS: 53L15, 53M2

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Inco Exploration and Technical Services, Inc.
Thompson, Manitoba
April, 1993

72612

Table of Contents

		Page
Summary		
1.0	Introduction	1
2.0	Location and Access	1
3.0	Property	1
4.0	Previous Exploration	1
5.0	Regional Geology	4
6.0	Geological Mapping	4
	6.1 Lithologies	5
	6.1.1 Hayes River Group	5
	6.1.2 Bayly Lake Group	8
	6.1.3 Oxford Lake Group	8
	6.2 Structure	9
	6.3 Mineralization and Alteration	9
	6.4 Geochemistry	12
7.0	Conclusions and Recommendations	12
8.0	References	13
9.0	Statement of 1992 Expenditures	15

Figures

		Page
Figure 1	Location Map	2
Figure 2	Property Location Map	3
Figure 3	Areas of interest	10

Tables

Table 1	Table of Lithologic Units	6

Appendices

Appendix 1 Certificate of Qualifications
Appendix 2 Multi-element Analyses

Pockets

		Scale
Reconnaissance Geological Survey		
Sheets:	1, 2	1:10,000
	3, 4	1:10,000
	5, 6	1:10,000
	7, 8	1:10,000
	9, 10	1:10,000

Summary

Inco Exploration and Technical Services Inc. has a 20,441.35 hectare exploration permit in the Knee Lake Area, Manitoba. The 1992 work program included reconnaissance mapping and sampling.

The majority of the property is underlain by four cycles of Hayes River Group mafic to felsic volcanics. Exhalative horizons indicated by previous work in the area are poorly exposed. Mafic to felsic dikes and Bayly Lake Group felsic intrusives cut the package which is unconformably overlain by Oxford Lake Group felsic to intermediate volcanics, chemical and clastic sediments.

In the southern part of the property, sinistral faults (displacements up to 1.5 kilometres) radiate from the Cinder Lake intrusion. These are locally host to quartz phyric felsic dikes. Prominant northeast-southwest oriented lineaments occur across the property.

The felsic to intermediate volcanics locally exhibit low La/Yb ratios, weak Na depletion (< 1%) and Zn enrichment (> 50 ppm); geochemical signatures indicative of VMS mineralization. Felsic pyroclastics on Cinder Island host pyrite, pyrrhotite, sphalerite and minor chalcopyrite within the matrix. Highly anomalous rare earth element and large ion lithophile element contents are attributed to metasomatism associated with intrusion of the alkalic Cinder Lake Intrusion. Near the south boundary of the property, grab samples from gossanous shear zones yielded highly anomalous gold values of up to 6.19 g/t.

Based on the results of this program and on previous exploration, further exploration is recommended.

1.0 Introduction

Reconnaissance geological mapping, prospecting and sampling were completed on the Knee Lake property by a six man crew from June 8 to July 22, 1992.

2.0 Location and Access

Central Knee Lake is located 35 kilometres east of the town of Oxford House and 215 kilometres southeast of Thompson, Manitoba (Figure 1). Access is by air from Thompson. Knee Lake is linked to the winter road network servicing Oxford House and God's Narrows, which is open in February.

3.0 Property

Inco Exploration and Technical Services, Inc. was granted a 20,441.35 hectare permit to explore for minerals (Permit 114), effective February 10, 1992 (Figure 2).

4.0 Previous Exploration

1919-1961: Regional geological mapping was completed by Bru (1920), Wright(1926), Barry (1959) and Quinn and Currie (1961) for the Manitoba Mines Branch and the Geological Survey of Canada.

1956-1961: The present permit area was covered by Canico AEM as part of the Wolf and Bear programs. Follow up ground geophysics was completed and 8 holes totalling 669.65 metres were drilled. Three holes were drilled at the Canico Occurrence where chloritic and siliceous tuff assayed up to 0.38% Zn across 3.08 metres. Approximately 500 metres northeast, 33.0 metres (true width) of massive and brecciated pyrite-pyrrhotite with rare chalcopyrite and sphalerite was intersected.

1960-1964: Icon Syndicate completed a helicopter-borne electromagnetic survey which identified multiple conductive horizons within the permit area. Local ground geophysical and geological surveys were completed and several shallow (<15 metres) holes were drilled. Felsic volcanics and minor sulphides were cored.

1968-1973: Barringer-Magenta completed regional and detailed geochemical sampling in the Knee Lake area. Airborne magnetometer, electromagnetic and radiometric surveys, ground HLEM, magnetometer, gravity, geological, and local soil and lakeshore sediment geochemical surveys were completed. Multiple drill targets were identified and at least two holes totalling 156.67 metres were drilled. Massive pyrite, pyrrhotite and minor chalcopyrite across 20.2 metres, associated with fragmental to banded felsic volcanics

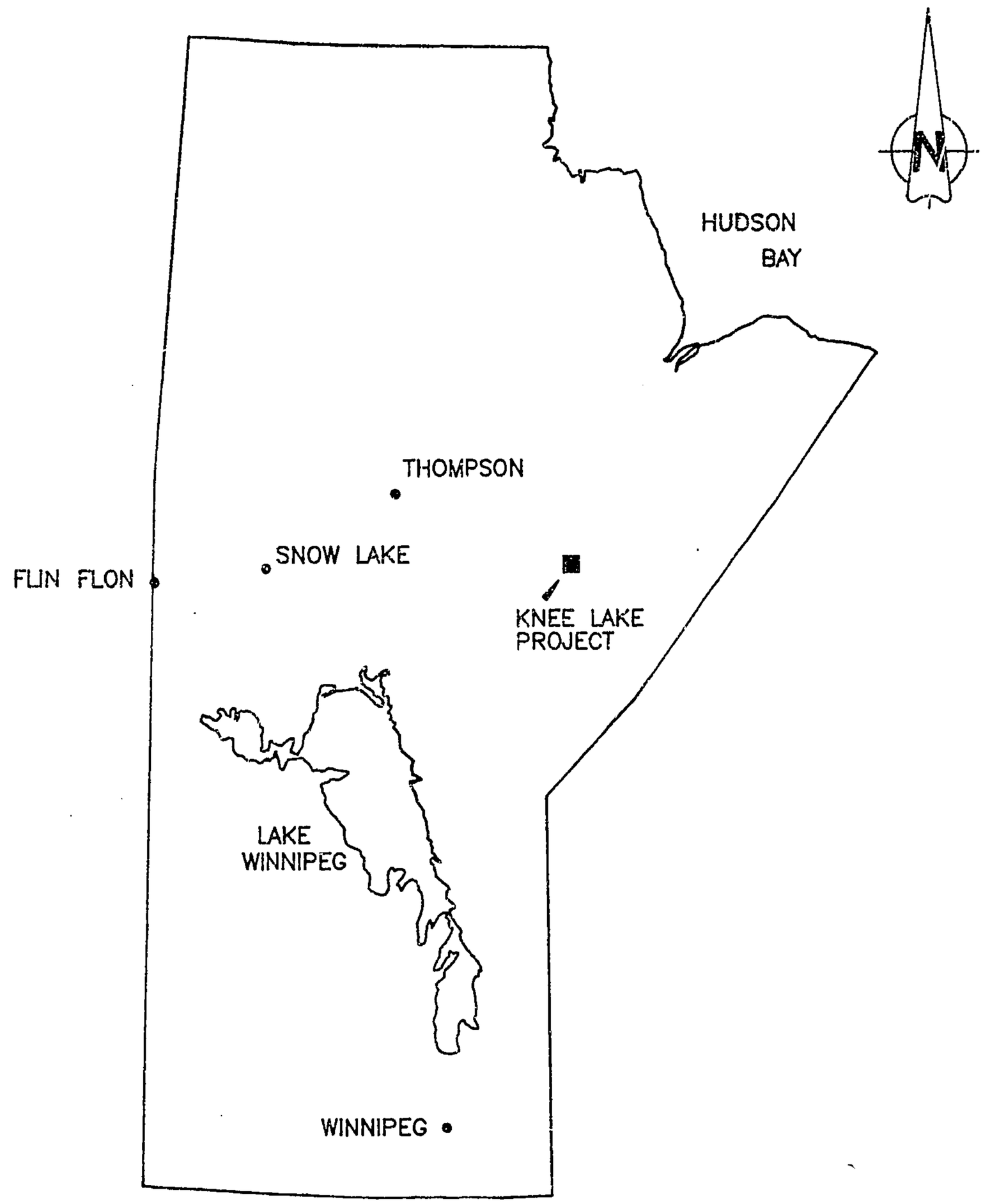


FIGURE 1

INCO EXPLORATION AND TECHNICAL SERVICES INC.

KNEE LAKE PROJECT

LOCATION MAP

Knee Lake Area, Manitoba

53L/15, 53M/2

0 225

km

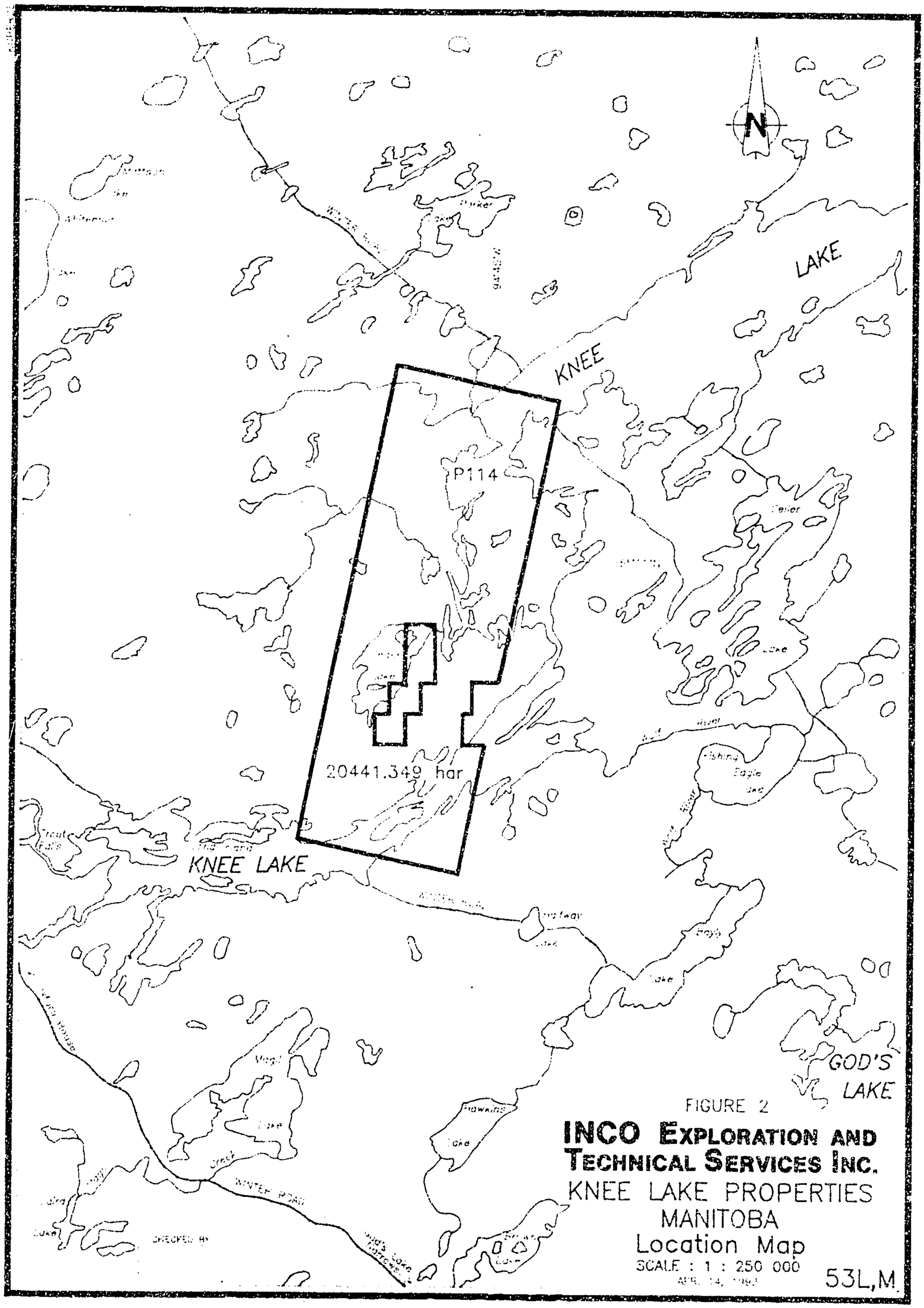


FIGURE 2

INCO EXPLORATION AND TECHNICAL SERVICES INC.

KNEE LAKE PROPERTIES

MANITOBA

Location Map

SCALE : 1 : 250 000

and intercalated graphitic sediments were intersected at the Canico Occurrence. No analyses were reported.

1970-1972: The Knee Lake area was mapped by H.P. Gilbert and F.J. Elbers as part of the Manitoba Energy and Mines Greenstone Project.

1970-1974: Questor Surveys flew a Mark V Input survey for BP-Selco. Ground geophysical surveys were completed and 11 holes totalling 1,347.22 metres were drilled. At the North area, andesitic tuff with bands of pyrite, pyrrhotite, sphalerite and chalcopyrite across a total core length of 9.45 metres was intersected. Similar lithologies and mineralization were cored for the last 15.85 metres of a hole drilled near Beaver Lake.

1973: Barringer-Magenta drilled one 145.08 metre long hole which intersected moderately sericitic, chloritic felsic volcanics with pyrrhotite, minor chalcopyrite and sphalerite over 2.43 metres. Roger Barlow completed an M.Sc. study on the major and trace element geochemistry of the southern part of the current property, based on his work with Barringer-Magenta. Nathan Green completed an M.Sc. thesis on the volcanic stratigraphy of the Hayes River Group volcanics in the Knee Lake area.

1992: The property was acquired. Reconnaissance geological mapping and prospecting were completed at approximately 400 metre line spacings. Samples were collected for lithogeochemical analyses.

5.0 Regional Geology

The Knee Lake area is situated in the Gods Lake Subprovince, part of the Superior Province of the Canadian Shield. Hayes River Group mafic to felsic volcanics, gabbro, chemical and clastic sediments are intruded by the tonalitic to granitic Bayly Lake Complex. The volcanics form a monoclinal sequence which is unconformably overlain by intermediate to felsic volcanics and clastic sediments of the Oxford Lake Group. The assemblage was subjected to greenschist facies metamorphism and intruded by mafic dikes.

6.0 Geological Mapping

Reconnaissance geological mapping of the Knee Lake property was completed between June 8 and July 22 by a four to six man field crew. Pace and compass traverse lines were run approximately 400 metres apart and stations were established at 25 metre intervals. Shoreline geology was completed as time allowed, particularly where exposures of felsic volcanics were identified by previous surveys.

The prime objectives of the survey were to identify and determine the aerial extent of various lithologies, to collect structural data, to locate areas of alteration and anomalous mineralization and to collect representative samples for geochemical analysis. The results of this survey are presented on the 10 map sheets included in the back pockets of this report. Geological mapping was conducted at 1:15,840 on air photo overlays, and is presented at 1:10,000 scale on the accompanying maps.

6.1 Lithologies

Lithologies encountered during the course of the geological survey include Hayes River Group ultramafic to felsic volcanics, clastic sediments, mafic and felsic intrusions, Bayly Lake Group felsic to intermediate intrusives, and Oxford Lake Group clastic sediments (Table 1).

6.1.1 HAYES RIVER GROUP

Ultramafic Volcanics/Sills

Peridotitic bodies of limited lateral extent weather black to dark green, are fine grained, moderately hard to soft, dense, and weakly to moderately magnetic. The unit is moderately serpentinized and commonly associated with gabbro and/or mafic volcanics.

Mafic Volcanics and Related Intrusions (Basalt)

Mafic volcanics consist of pillowed, massive, porphyritic, glomeroporphyritic, amygdaloidal and variolitic basalt, with minor tuff, lapilli tuff, and breccia. Units near the bottom of the exposed package are moderately magnetic due to approximately 5% contained magnetite. Basalts are prevalent in the lowest volcanic cycle but are only approximately 100 metres thick at the base of cycles higher in the stratigraphic assemblage. They are weakly to moderately chloritic and contain minor pyrrhotite and pyrite.

Dark green to black mafic dikes up to 10.0 metres wide are exposed in the southern part of the property, where they crosscut felsic volcanics at a high angle. They are composed predominantly of plagioclase feldspar and hornblende, are massive to weakly foliated and contain no visible mineralization.

Mafic to Intermediate Volcanics (Andesite)

Mafic to intermediate volcanics consist andesitic flows, tuff, medium grained tuff, lapilli tuff, tuff breccia and debris flows. Flows include massive, pillowed, variolitic and amygdaloidal varieties and are the most common lithologic units on the property. Tuff consists of fragments less than 2 millimetres in diameter with a predominance of chlorite in the matrix. Altered andesite tuff is medium grained, and consists of dominant plagioclase with chlorite clots up to 3 millimetres in diameter. Lapilli tuffs consist of predominantly mafic and/or

Table 1 - Table of Lithologic Units

OXFORD LAKE GROUP

Chemical Sediments

Clastic Sediments

Felsic to Intermediate Volcanics

- - - - - Unconformable / Fault Contact - - - - -

BAYLY LAKE COMPLEX

Felsic Intrusives

Intermediate Intrusives

Mafic Intrusives

- - - - - Intrusive Contact - - - - -

HAYES RIVER GROUP

Clastic Sediments

Chemical Sediments

Felsic Volcanics (Rhyolite) and Related Intrusions

Intermediate to Felsic Volcanics (Dacite) and Related Intrusions

Mafic to Intermediate Volcanics (Andesite) and Related Intrusions

Mafic Volcanics (Basalt) and Related Intrusions

Ultramafic Volcanics/Sills

felsic fragments up to 6.4 centimetres long in an andesitic matrix which is locally moderately to strongly chloritic. Tuff breccia with bombs up to 10 centimetres long is locally present. Andesitic flows and pyroclastics often form thick (and laterally extensive packages which constitute the bulk of mafic to felsic cycles in the Knee Lake area. They locally contain pods of pyrite and pyrrhotite and are variably chloritized.

Similar relationships exist with mafic to intermediate dikes as described above.

Intermediate to Felsic Volcanics (Dacite)

Intermediate to felsic volcanics consist of dacitic flows, tuff, lapilli tuff and tuff breccia. They are light gray on the fresh surface and buff to gray on the weathered surface. Flows are massive to locally crudely pillowed and amygdaloidal whereas tuffs are commonly composed of packed plagioclase feldspar crystals up to 2.5 millimetres long in a fine grained siliceous or sericitic matrix. Units are moderately hard to very hard and variably sericitized. Lapilli tuffs consist of monolithic dacitic fragments in a dacitic tuff matrix. Tuff breccia exposed on the east side of the airstrip is the coarsest pyroclastic rock known on the property with dark gray dacitic bombs up to 0.8 metres long in a gray dacitic tuff/lapilli tuff matrix. Units are poorly mineralized but locally host stringers and veinlets of chlorite, are pervasively sericitized with trace pyrite and chalcopyrite.

Felsic Volcanics (Rhyolite)

Felsic volcanics include flows, tuff and lapilli tuff. Rhyolites are creamy to very light gray on the fresh surface and light gray to buff on the weathered surface. They are hard, siliceous, and exhibit a conchoidal fracture. Flows are massive whereas tuffs are crudely to well banded and consist of fine grained plagioclase feldspar crystals in a fine grained groundmass. Lapilli tuffs consist of rhyolitic fragments in a fine grained tuffaceous matrix. Tuffs and lapilli tuffs in the north part of the property differ from those to south in that they are considerably more quartz rich and contain fragments of dark banded chert and felsic tuff.

Felsic dikes are black on fresh and weathered surfaces and contain up to 15% translucent quartz phenocrysts within an aphanitic groundmass. These rocks are very hard, siliceous with a subconchoidal fracture and crosscut mafic volcanics. The dikes are up to 20.0 metres wide and contain trace pyrite and chalcopyrite.

Chemical Sediments

Minor chert was encountered in the North and Beaver Lake areas in association with felsic ash tuff and/or fine grained clastic sediments. White to tan chert beds up to 0.2 metres wide are of limited lateral extent and locally contain 15% fine grained pyrite and pyrrhotite. Exhalative units known from previous work are confined to overburden covered areas.

Clastic Sediments

Finely intercalated wacke-siltstone and argillite are intercalated with dacitic pyroclastics southeast of the Canico Occurrence. They are black to gray, well bedded, locally normally graded with 3% pyrite and pyrrhotite.

6.1.2 BAYLY LAKE GROUP

Mafic Intrusives

Gabbro is brown on the weathered surface, dark green on the fresh surface, medium to coarse grained, massive, equigranular and weakly magnetic. Trace pyrite is locally present.

Intermediate Intrusives

Diorite is exposed in the Canico area. The unit is mottled dark and medium gray, is fine grained to medium grained and moderately hard.

Felsic Intrusives

Felsic intrusions are exposed along the east shore of Cinder Lake and between Cinder Lake and the airstrip. The Cinder Lake Intrusion consists of an internal granitic phase and a peripheral phase of porphyritic granodiorite. The granite is pink on fresh and weathered surfaces, medium grained, equigranular and is composed of approximately 40% potassium feldspar, 35% plagioclase feldspar and 25% quartz with minor hornblende and biotite. The unit is barren and unaltered. In contrast, the marginal parts of the body are light gray on the fresh and weathered surfaces, massive equigranular to porphyritic with plagioclase feldspar phenocrysts up to 1.5 centimetres diameter comprising up to 50% of the rock. The unit is locally weakly sericitized and contains trace pyrite.

Porphyritic granite is exposed within the Hayes River Group assemblage as a large crosscutting dike. It is pink on fresh and weathered surfaces, medium to coarse grained and contains phenocrysts of potassium feldspar up to 2 centimetres which comprise up to 40% of the rock. Moderate to weak epidotization and trace pyrite are common.

6.1.3 OXFORD LAKE GROUP

Felsic to Intermediate Volcanics

Felsic flows and lapilli tuff are exposed in the southern part of the property. Flows are light gray, massive, hard and break with a conchoidal fracture. Lapilli tuff is light brown on fresh and weathered surfaces, strongly sheared and strongly sericitized. Sericitized

angular fragments up to 2 centimetres diameter are supported by a matrix comprising dominant sericite and quartz. No sulphide mineralization was observed in these units.

Conglomerate

Polymictic conglomerate is exposed in the central part of the property, near the shore of Knee Lake. Clast types include mafic to intermediate volcanics, intrusives and minor jasper. The unit is structurally preserved within a synformal fold axis and unconformably overlies the mafic to felsic volcanics described above.

6.2 Structure

The Hayes River Group in the south and central part of the property forms a monoclinal sequence which dips steeply away from the Cinder Lake intrusion. Radial faults in this area are defined by crosscutting mafic and felsic dike swarms (feeders to higher level flows), by the orientation of a late, elongate felsic body and by sinistral displacement of the stratigraphy. Late 050° trending faults form topographic lineaments across the property, truncate the felsic stratigraphy at the North area and probably mask radial faults in the north part of the property. Additional late structures include north-south and east-west oriented lineaments and shear zones.

In the north part of the property, intercalated mafic and felsic units are tightly folded adjacent to a northeast-southwest fault. Minor folds and younging indicators (pillows, normal grading, flame structures, scours) indicate an anticlinal fold closure lies immediately to the southwest. Northwest-facing intercalated mafic to felsic volcanics adjacent to this structure are interpreted to lie on the north limb of a northwest-southeast trending synformal situated in central Knee Lake.

6.3 Alteration and Mineralization

The most widespread alteration consists of chloritization of andesitic flows. These units are often extensive and the chloritization imparts a distinct medium grained texture to the rock. Mafic volcanics are moderately to strongly silicified adjacent to felsic feeder dikes. Dacitic and rhyolitic flows and pyroclastic rocks are variably sericitized and locally chloritized. Chlorite stringers and veinlets are locally present.

The outer margin of the Cinder Lake intrusion is weakly sericitized and chloritic, whereas the porphyritic granite body is variably epidotized.

Areas of interest include the North, Beaver Lake, Canico, Cinder Lake, East and South areas (Figure 3). Each is briefly described below:

North: Intercalated andesite and quartz rich dacite to rhyolite are tightly folded. Crystal tuffs and lapilli tuffs are quartz rich, contain banded chert/felsic tuff fragments and are

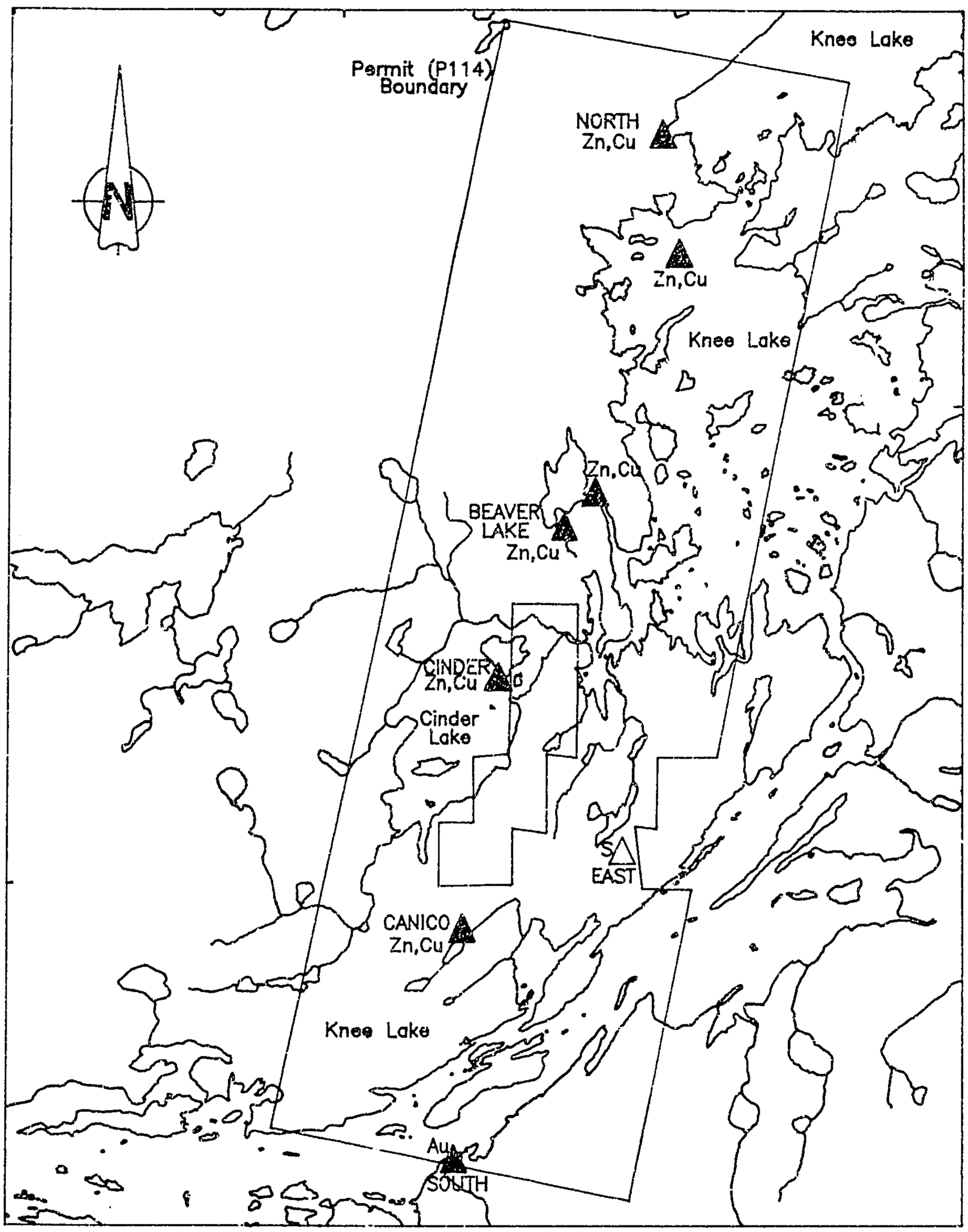


FIGURE 3

INCO EXPLORATION AND TECHNICAL SERVICES INC.

KNEE LAKE PROJECT

AREAS OF INTEREST

53L/15,53M/2

0 1 2
km

distinct from pyroclastic rocks exposed in the southern part of the property. Felsic units are thin (10 to 15 metres wide), locally moderately to strongly sericitized and contain minor pyrite and malachite and are truncated to the west by a northeast-southwest trending fault. Younging indicators from pillows, normally graded ash tuff and chert, combined with S-folds to the north and Z folds to the south indicate an anticlinal closure to the west. Top indicators are opposite to those within the monoclinal sequence to the south and indicate this area lies on the northeast limb of a large synform located in central Knee Lake.

Two drill setups (one with casing) were located. Previous diamond drilling in this area encountered bands of pyrite, pyrrhotite with sphalerite and chalcopyrite within andesite tuff over a total core length of 9.45 metres. The occurrence is situated between north-south Canico AEM lines which revealed no anomalies.

Beaver Lake: Weakly to moderately sericitized and locally chloritic felsic volcanics occur within a stratigraphic package 0.7 kilometres thick and 6.0 kilometres long. Individual felsic units are up to 50.0 metres thick and monolithic pyroclastic units contain porphyritic dacite fragments up to 0.3 metres long. Rare chalcopyrite is present.

Previous diamond drilling intersected andesite tuff with stringers of pyrite, pyrrhotite and sphalerite for the last 15.85 metres of the hole. Untested Input conductors are situated off the trend of formational conductors in this area.

Approximately 1 kilometre to the west/northwest, a circular drainage pattern is evident on air photos. No outcrop was located although magnetite bearing basalts immediately to the east are locally cut by granitic dikes. The feature is interpreted as the topographic expression of the Cinder Lake intrusion.

Canico: Felsic and mafic dikes crosscutting stratigraphy are interpreted to represent feeders to overlying felsic and mafic units, respectively. Southwest of Cinder Lake, basalts are cut by quartz phyric felsic dikes which occur within faults oriented at approximately 340°. These trend towards weakly sericitized felsic volcanics exposed near the north shore of Knee Lake which locally contain chlorite veinlets. At the northwest part of this stratigraphic package, mafic dikes crosscutting stratigraphy are up to 4 metres wide. At this locality, Canico diamond drilling intersected approximately 33.0 metres (true width) of massive pyrite-pyrrhotite which yielded assays of up to 0.38% Zn across 3.08 metres. The sulphide zone lies beneath swamp and a small lake, however the margins of the swamp are stained/discoloured. Sericitized rhyolite is exposed down stratigraphy from the linear swamp but the majority of this area is overburden covered.

Cinder Lake: Cycle one dacitic to rhyolitic lapilli tuff hosts broken pyrite crystals and semi massive pyrrhotite with minor sphalerite and chalcopyrite in the matrix. Fragments are up to 6.0 centimetres long and contain disseminated pyrite. The mineralized unit is at least five metres wide at three points on the shore of the island along a strike length

of approximately 100 metres. The unit is either displaced along its strike or is up to ten metres wide.

East: Intercalated dacite-rhyolite with minor andesite are separated from a thick sequence of massive and pillowed andesite by a 125 metre wide topographic low with a strong magnetic signature (pyrrhotite?). Strong airborne conductivity occurs at this stratigraphic level. An isolated conductor lies approximately 500 metres to the southwest, near a dacitic unit encountered in the geological survey. There is no record of diamond drilling in the immediate area.

South: Near the south boundary of the property, mafic volcanics host at least two northeast-southwest trending, steeply dipping shear zones approximately 130 metres apart which may be related to a major structure beneath Knee Lake. Gossanous sericite+iron carbonate zones up to 1 metre wide, containing trace to 2% pyrite, have been previously exposed by trenching. A chip sample from the western trench assayed 0.95 g/t Au across 2.3 metres. Grab samples from two trenches to the east assayed 6.19 g/t Au and 4.64 g/t Au, respectively.

6.4 Geochemistry

Samples were submitted to ActLabs for their combined INAA/ICP multi-element package. Geochemical analyses are provided in Appendix 1.

In the North, Beaver Lake and Canico areas, local samples exhibit elevated Zn (up to 742 ppm in the North area) and weak Na depletion (<1%). Local samples contain Zn/(Na20*10) > 20 and (K20/Na20)*10 > 30; values which are indicative of alteration associated with VMS type mineralization.

Lapilli tuff at the Cinder Island Occurrence was not sufficiently coarse to be able to sample fragments and matrix separately. Highly anomalous rare earth element (one to two orders of magnitude) and large ion lithophile element values are interpreted to represent metasomatic enrichment due to the proximity of the exposure to the alkalic Cinder Lake intrusion.

7.0 Conclusions and Recommendations

Lithologies encountered during the course of the survey include Hayes River Group ultramafic to felsic volcanics with rare intercalated chemical and clastic sediments, Bayly Lake Group mafic to felsic intrusions and Oxford Lake Group felsic to intermediate volcanics and conglomerate.

The property covers at least four mafic to felsic volcanic cycles. Contacts between cycles are poorly exposed. Large scale radial structures in the south part of the property localize sinistral displacements of up to 1.5 kilometres and locally host quartz porphyritic

felsic intrusives.

Previous drilling intersected anomalous base metal mineralization associated with intermediate to felsic volcanics at the North, Beaver Lake and Canico areas where favourable conductivity remains untested.

Regional lithogeochemical sampling shows weak alteration indicative of VMS type mineralization at the North, Beaver Lake and Canico areas. Minor base metal mineralization was encountered in the Beaver Lake and Cinder Lake areas. Highly anomalous rare earth element and large ion lithophile element contents in samples from the Cinder Island occurrence are attributed to metasomatism associated with intrusion of the alkalic Cinder Lake Intrusion. Gossanous shear zones near the south boundary of the property are highly anomalous in gold (grab samples assayed up to 6.19 g/t Au).

Excellent economic potential exists at the North, Beaver Lake, Canico and South areas and further exploration is recommended.

8.0 References

Barlow, R.B.(1973):
Major and minor element geochemistry of the Archean volcanic rocks of the southern Knee Lake area, Manitoba, unpublished M.Sc. thesis, Michigan Technological University.

Barry, G.S. (1959):
Geology of the Oxford House - Knee Lake area, Manitoba Mines Branch publication 58-3.

Bruce, E.L. (1920):
Knee Lake District, northeastern Manitoba, G.S.C., Summary Report, 1919, Part D, pp. 1-11.

Gilbert, H.P. (1985):
Geology of the Knee Lake-Gods Lake Area, Manitoba Energy and Mines Geological Report GR83-1B.

Green, N.L. (1973):
The volcanic stratigraphy and petrochemistry of the God's Lake Subgroup, Knee Lake Manitoba, unpublished M.Sc. thesis, University of Manitoba, 132 p.

Quinn, H.A. and Currie, K.L. (1961)
Geology of the Oxford House Area, Manitoba, G.S.C. Map 21-1961, with marginal notes.

Wright, J.F. (1926):
Oxford and Knee Lakes Area, northern Manitoba, G.S.C. Summary Report, 1925, Part B, pp. 16-26.

9.0 Statement of 1992 Expenditures

Casual Labour	$ 15,997
Fuels	77
Safety Supplies	7
Food and Beverages	256
Office Supplies and Stationary	33
Exploration Equipment and Supplies	3,031
Business Travel / Hotels *	30,401
Computer Software	84
External Assaying and Sampling	9,368
Aircraft - Fixed Wing Contract	1,456
Aircraft - Fixed Wing Charter	4,732
Misc. Rentals and Services	144
Salaries	94,926
TOTAL:	**$160,513**

* This subtotal represents all inclusive payments to Knee Lake Resort for room and board during the field season.

I certify that the above expenditures as outlined were obtained from the accounting records and represent the charges that are applicable to the reconnaissance geological program completed on Permit 114.

Nina Leroux

N. Leroux
Administrative Assistant

Appendix 1

Certificate of Qualifications

Certificate of Qualifications

I, **Scott J. Mooney**, of the city of Thompson, in the province of Manitoba, **Hereby Certify:**

1. That I reside at 63 Oak Street, Thompson, Manitoba, R8N 1L9.

2. That I am a graduate of Lakehead University, Thunder Bay, Ontario and have received the following degrees: H.BSc.- Geology with Energy and Fuel Science (1984) and M.Sc.- Geology (1991).

3. That I have practiced my profession as a geologist since 1984, having worked in Manitoba, Ontario, Quebec, Nova Scotia and the Northwest Territories.

4. That I am employed as a Geologist with Inco Exploration and Technical Services, Inc., 60 Seal Road, Thompson, Manitoba, R8N 1S4.

5. That I visited the areas described in this report.

6. That the work summarized in this report was completed under my supervision.

Dated at Thompson, Manitoba, this 29th day of March, 1993.

Scott J. Mooney

Scott J. Mooney

Appendix 2

Geochemical Analyses

Activation Laboratories Ltd. Work Order: 4180 Report: 4178

Sample description	AU PPB	AS PPM	BA PPM	BR PPM	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	RB PPM	SB PPM	SC PPM	SE PPM	SN %	TA PPM	TH PPM
174501	6	8	280	<1	<5	42	2	1.28	2.5	<1	<5	<5	18900	60	0.5	3.9	<5	<0.01	<1	2.0
174502	<5	19	<100	<1	33	120	<2	4.06	1.5	<1	<5	<5	32100	<30	2.3	16	<5	<0.01	<1	1.3
174503	10	20	<100	7	<5	68	<2	1.66	<0.5	<1	<5	<5	739	<30	0.9	1.8	<5	<0.01	1	<0.5
174504	8	<2	410	<1	<5	37	<2	1.31	1.8	<1	<5	<5	23000	<30	6.5	3.1	<5	<0.01	<1	1.0
174505	<5	8	180	<1	31	550	<2	5.68	1.0	<1	<5	<5	18400	<30	4.4	32	<5	<0.01	2	1.1
174506	<5	<2	<100	<1	41	510	<2	5.26	1.2	<1	<5	<5	20200	<30	<0.2	29	<5	<0.01	<1	1.3
174507	5	2	100	<1	37	340	<2	4.84	1.2	<1	<5	<5	15600	<30	<0.2	35	<5	<0.01	<1	0.9
174508	<5	<2	<100	<1	29	270	<2	4.69	1.3	<1	<5	<5	7110	<30	0.5	26	<5	<0.01	<1	1.5
174509	12	<2	200	<1	37	360	<2	9.87	2.6	<1	<5	<5	3440	<30	0.4	33	<5	<0.01	<1	2.4
174510	<5	<2	160	<1	37	280	<2	7.14	1.2	<1	<5	<5	7250	<30	0.4	32	<5	<0.01	<1	0.9
174511	<5	<2	100	<1	41	310	<2	5.78	1.2	<1	<5	<5	6750	<30	1.5	34	<5	<0.01	<1	<0.5
174512	<5	<2	<100	<1	32	300	<2	6.24	1.6	<1	<5	<5	6880	<30	1.5	30	<5	<0.01	<1	1.1
174513	<5	<2	200	<1	16	130	<2	3.62	2.9	<1	<5	<5	30500	<30	0.4	13	<5	<0.01	<1	4.2
174514	<5	<2	<100	<1	39	490	<2	6.68	1.5	<1	<5	<5	11200	<30	0.5	26	<5	<0.01	1	1.6
174515	10	3	140	<1	26	84	<2	5.31	3.0	<1	<5	<5	18000	<30	0.3	28	<5	<0.01	<1	0.6
174516	5	6	<100	<1	44	220	<2	7.90	0.8	<1	<5	<5	8430	<30	0.3	29	<5	<0.01	<1	<0.5
174517	5	35	220	<1	38	330	<2	2.93	1.4	<1	<5	<5	18700	<30	0.8	32	<5	<0.01	<1	1.1
174518	<5	2	810	<1	<5	38	5	1.05	3.9	<1	<5	<5	21500	43	0.3	3.0	<5	<0.01	<1	5.7
174519	10	2	270	<1	<5	38	2	0.66	3.0	<1	<5	<5	34200	<30	0.4	2.6	<5	<0.01	<1	4.9
174520	<5	4	300	<1	<5	51	<2	1.41	3.2	<1	<5	<5	26800	<30	0.6	2.9	<5	<0.01	<1	5.2
174521	<5	4	<100	<1	30	110	<2	6.06	1.2	<1	<5	<5	17500	<30	0.9	32	<5	<0.01	<1	1.0
174522	<5	14	180	1	47	430	<2	5.37	0.9	<1	<5	<5	7440	<30	1.2	19	<5	<0.01	<1	<0.5
174523	<5	<2	<100	<1	37	420	<2	5.79	0.9	<1	<5	<5	8770	<30	0.5	27	<5	<0.01	<1	0.8
174524	10	<2	300	<1	13	80	<2	3.27	3.5	<1	<5	<5	21400	47	<0.2	8.1	<5	<0.01	1	5.9
174525	<5	<2	370	<1	<5	38	3	1.36	4.4	<1	<5	<5	19400	67	0.4	2.3	<5	<0.01	1	7.5
174526	<5	3	260	<1	<5	26	3	2.37	3.9	<1	<5	<5	21600	60	0.2	2.5	<5	<0.01	1	7.6
174527	<5	<2	510	<1	12	65	<2	3.41	3.8	<1	<5	<5	20700	<30	<0.2	9.1	<5	<0.01	<1	6.4
174528	<5	<2	310	<1	11	74	<2	2.36	3.3	<1	<5	<5	17700	74	0.4	14	<5	<0.01	2	4.0
174529	<5	14	<100	<1	27	140	<2	5.63	2.1	<1	<5	<5	14400	<30	0.9	29	<5	<0.01	<1	2.5
174530	<5	15	220	<1	34	250	2	5.65	1.6	<1	<5	<5	11100	<30	<0.2	31	<5	<0.01	<1	1.4
174531	<5	12	170	<1	29	280	3	4.90	0.8	<1	<5	<5	22000	<30	0.5	31	<5	<0.01	<1	1.2
174532	<5	<2	380	<1	11	76	<2	2.00	2.8	<1	<5	<5	16000	43	0.4	7.7	<5	<0.01	<1	4.0
174533	<5	6	360	<1	58	150	<2	4.61	1.6	<1	<5	<5	19700	39	0.5	29	<5	<0.01	<1	0.6
174534	<5	5	<100	<1	39	180	<2	6.33	1.4	<1	<5	<5	13900	<30	0.3	37	<5	<0.01	<1	<0.5
174535	<5	5	230	2	30	320	10	5.41	1.3	<1	<5	<5	14300	<30	0.5	27	<5	<0.01	<1	2.3
174536	<5	2	<100	<1	30	280	<2	5.59	1.6	<1	<5	<5	13100	<30	1.5	33	<5	<0.01	<1	1.3
174537	5	6	170	<1	31	270	<2	5.52	1.3	<1	<5	<5	7970	<30	<0.2	33	<5	<0.01	<1	1.0
174538	<5	5	<100	<1	38	330	<2	5.04	0.7	<1	<5	<5	10800	<30	<0.2	29	<5	<0.01	<1	0.8
174539	<5	<2	120	<1	36	350	<2	4.97	1.3	<1	<5	<5	15900	<30	<0.2	32	<5	<0.01	<1	1.1
174540	<5	2	290	<1	36	180	<2	5.30	1.2	<1	<5	<5	17000	<30	0.4	34	<5	<0.01	1	0.6
174541	<5	<2	100	<1	29	170	<2	9.67	1.5	<1	<5	<5	3220	<30	<0.2	28	<5	<0.01	<1	0.8
174542	<5	17	100	<1	40	300	<2	4.54	0.8	<1	<5	<5	17600	<30	1.1	33	<5	<0.01	<1	0.9
174543	<5	17	<100	<1	32	210	<2	4.36	1.8	<1	<5	<5	12000	<30	2.9	31	<5	<0.01	<1	1.9
174544	<5	23	<100	<1	29	240	<2	4.36	1.8	<1	<5	<5	11500	<30	<0.2	32	<5	<0.01	<1	1.9
174545	<5	7	<100	<1	25	280	<2	6.36	1.2	<1	<5	<5	15000	<30	0.4	29	<5	<0.01	<1	1.3

Activation Laboratories Ltd. Work Order: 4180 Report: 4178

Sample description	U PPM	W PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
174501	<0.5	<4	4	9	<5	0.8	0.4	<0.5	0.46	0.07	30.00
174502	<0.5	<4	7	15	7	1.4	0.6	<0.5	1.08	0.14	30.00
174503	<0.5	25	<1	<3	<5	0.4	0.4	<0.5	0.32	<0.05	30.00
174504	1.4	<4	10	16	6	0.9	0.5	<0.5	0.38	0.06	30.00
174505	<0.5	<4	4	11	<5	1.2	0.5	<0.5	1.37	0.23	30.00
174506	0.9	<4	6	12	6	1.4	0.4	<0.5	2.04	0.26	30.00
174507	<0.5	<4	4	8	<5	1.4	0.6	0.5	1.75	0.27	30.00
174508	1.1	<4	5	8	7	1.3	0.4	<0.5	1.47	0.24	30.00
174509	<0.5	<4	10	21	12	2.3	0.8	0.6	2.59	0.44	30.00
174510	<0.5	<4	6	15	<5	1.7	0.7	<0.5	2.05	0.28	30.00
174511	<0.5	<4	5	10	<5	1.6	0.7	<0.5	2.25	0.32	30.00
174512	<0.5	<4	5	10	<5	1.5	0.6	0.8	1.83	0.30	30.00
174513	<0.5	<4	24	41	14	3.0	0.8	<0.5	1.20	0.19	30.00
174514	<0.5	<4	7	14	7	1.7	0.6	<0.5	1.86	0.28	30.00
174515	<0.5	<4	5	15	8	3.0	1.2	1.1	4.36	0.63	30.00
174516	<0.5	<4	3	7	<5	1.5	0.7	<0.5	2.34	0.32	30.00
174517	0.7	<4	4	12	7	1.5	0.7	<0.5	1.94	0.24	30.00
174518	1.7	<4	37	57	12	2.0	0.6	<0.5	0.35	0.07	30.00
174519	<0.5	<4	30	46	11	1.6	0.7	<0.5	0.35	0.05	30.00
174520	1.7	<4	35	53	10	2.0	0.5	<0.5	0.36	0.05	30.00
174521	<0.5	<4	3	8	<5	1.1	0.6	<0.5	1.59	0.23	30.00
174522	<0.5	<4	3	7	<5	0.9	0.4	<0.5	1.17	0.18	30.00
174523	<0.5	<4	3	8	<5	1.0	0.5	<0.5	1.45	0.22	30.00
174524	1.9	<4	29	52	19	3.4	1.0	<0.5	1.30	0.20	30.00
174525	1.3	<4	43	73	21	3.6	1.0	<0.5	1.52	0.22	30.00
174526	<0.5	<4	49	81	28	4.1	1.2	<0.5	1.66	0.28	30.00
174527	1.0	<4	32	58	21	3.3	1.1	<0.5	1.20	0.23	30.00
174528	<0.5	<4	22	40	12	2.7	0.9	<0.5	1.10	0.17	30.00
174529	<0.5	<4	10	18	<5	2.1	0.8	<0.5	2.41	0.35	30.00
174530	0.8	<4	7	14	7	1.5	0.6	<0.5	1.89	0.32	30.00
174531	<0.5	<4	5	9	<5	1.4	0.6	<0.5	2.14	0.28	30.00
174532	1.2	<4	19	36	12	2.5	0.9	<0.5	1.20	0.19	30.00
174533	0.9	<4	4	11	<5	1.6	0.8	<0.5	2.17	0.32	30.00
174534	<0.5	<4	4	11	7	1.6	0.6	<0.5	2.25	0.36	30.00
174535	<0.5	<4	7	19	<5	1.8	0.5	<0.5	2.21	0.38	30.00
174536	<0.5	<4	7	13	7	1.8	0.8	<0.5	2.28	0.34	30.00
174537	<0.5	<4	6	14	7	1.7	0.5	<0.5	2.35	0.32	30.00
174538	<0.5	<4	4	10	5	1.5	0.6	<0.5	1.73	0.28	30.00
174539	<0.5	<4	5	12	5	1.6	0.5	0.6	2.12	0.30	30.00
174540	<0.5	<4	4	10	6	1.5	0.6	1.0	2.14	0.33	30.00
174541	<0.5	<4	3	10	5	1.3	0.6	<0.5	2.23	0.39	30.00
174542	<0.5	<4	6	13	6	1.6	0.7	<0.5	2.34	0.36	30.00
174543	<0.5	<4	7	14	7	1.7	0.7	<0.5	1.66	0.26	30.00
174544	1.1	<4	7	13	7	1.6	0.7	<0.5	1.66	0.22	30.00
174545	<0.5	<4	6	10	9	1.6	0.6	0.7	2.02	0.34	30.00

Activation Laboratories Ltd. Work Order: 4180 Report: 4178B

Sample description	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	MN PPM	SR PPM	CD PPM	BI PPM	V PPM	CA %	P %	MG %	TI %	AL %	K %	Y PPM	BE PPM
174501	10.	9.	63.	<0.3	6.	64.	127.	<0.5	<5.	36.	0.24	0.035	0.97	0.11	7.75	2.06	2.	<2.
174502	210.	14.	451.	<0.3	93.	625.	155.	0.7	<5.	145.	2.93	0.053	2.34	0.06	7.56	0.03	5.	<2.
174503	9.	5.	10.	<0.3	3.	1087.	106.	<0.5	<5.	13.	9.26	0.005	1.60	0.01	0.36	0.05	4.	<2.
174504	30.	9.	46.	<0.3	5.	511.	286.	<0.5	<5.	25.	2.06	0.036	0.95	0.09	7.15	1.60	4.	<2.
174505	42.	<5.	98.	<0.3	105.	1246.	187.	<0.5	<5.	214.	7.23	0.027	5.32	0.43	8.47	0.01	16.	<2.
174506	130.	5.	96.	<0.3	179.	1865.	114.	<0.5	<5.	230.	7.64	0.040	3.17	0.47	7.90	0.07	22.	<2.
174507	104.	8.	89.	<0.3	202.	1740.	158.	<0.5	<5.	287.	8.29	0.031	2.92	0.57	9.31	0.19	20.	<2.
174508	54.	14.	92.	<0.3	157.	1652.	154.	<0.5	<5.	226.	11.24	0.027	4.61	0.46	7.57	0.01	19.	<2.
174509	373.	12.	177.	0.8	228.	1993.	249.	<0.5	<5.	270.	7.11	0.042	6.14	0.54	9.17	0.31	30.	<2.
174510	91.	<5.	79.	<0.3	136.	1386.	237.	<0.5	<5.	244.	8.94	0.030	5.42	0.50	7.67	0.02	22.	<2.
174511	126.	<5.	72.	<0.3	188.	1775.	127.	<0.5	<5.	257.	9.50	0.035	5.49	0.52	8.54	0.01	20.	<2.
174512	63.	7.	86.	<0.3	148.	1571.	451.	<0.5	<5.	235.	9.73	0.037	6.26	0.50	8.29	0.01	19.	<2.
174513	56.	9.	58.	0.4	106.	710.	422.	<0.5	<5.	127.	3.74	0.09[illegible]	2.40	0.54	7.58	0.33	14.	<2.
174514	54.	6.	86.	0.3	283.	1433.	185.	<0.5	<5.	196	7.22	0.033	7.02	0.41	6.63	0.05	20.	<2.
174515	180.	<5.	80.	0.6	118.	1315.	171.	1.1	<5.	32[illegible]	8.31	0.076	4.07	1.11	7.49	0.02	50.	<2.
174516	108.	<5.	98.	<0.3	147.	1400.	118.	<0.5	<5.	248.	6.15	0.029	5.63	0.52	7.14	0.01	22.	<2.
174517	112.	<5.	60.	0.3	223.	1089.	142.	<0.5	<5.	248.	5.07	0.036	1.77	0.52	6.29	0.25	17.	<2.
174518	37.	19.	50.	0.6	8.	262.	100.	<0.5	<5.	33.	0.40	0.065	0.55	0.30	7.95	4.19	5.	2.
174519	20.	11.	51.	<0.3	7.	295.	383.	<0.5	<5.	29.	1.32	0.059	0.36	0.30	6.97	1.25	4.	<2.
174520	1.	<5.	10.	0.4	7.	242.	228.	<0.5	<5.	29.	1.53	0.058	0.53	0.20	6.41	1.45	5.	<2.
174521	128.	9.	65.	0.4	77.	1466.	176.	<0.5	<5.	265.	9.10	0.030	4.59	0.14	7.06	0.13	8.	<2.
174522	51.	7.	62.	<0.3	485.	1327.	208.	<0.5	<5.	143.	11.74	0.023	8.51	0.24	10.03	0.01	12.	<2.
174523	110.	<5.	71.	<0.3	260.	1480.	175.	<0.5	<5.	194.	10.50	0.026	7.55	0.38	8.35	0.01	14.	<2.
174524	47.	<5.	81.	<0.3	68.	829.	281.	<0.5	<5.	81.	4.66	0.112	1.93	0.19	7.44	0.92	17.	<2.
174525	3.	15.	48.	<0.3	6.	290.	63.	<0.5	<5.	2.	0.79	0.030	0.37	0.17	6.67	2.79	13.	<2.
174526	8.	21.	110.	1.3	3.	492.	84.	<0.5	6.	2.	1.10	0.033	0.56	0.17	7.17	2.09	14.	<2.
174527	25.	16.	98.	<0.3	55.	574.	338.	<0.5	<5.	103.	1.73	0.085	1.19	0.50	8.11	1.37	14.	<2.
174528	27.	<5.	52.	<0.3	51.	681.	215.	<0.5	<5.	120.	2.18	0.087	1.04	0.27	6.62	1.64	11.	<2.
174529	61.	14.	96.	0.9	77.	2045.	296.	0.9	<5.	250.	6.98	0.045	4.19	0.57	8.35	0.03	26.	<2.
174530	86.	7.	78.	<0.3	106.	1907.	136.	<0.5	<5.	231.	9.07	0.033	5.16	0.46	8.05	0.19	19.	<2.
174531	74.	10.	68.	<0.3	100.	1544.	163.	<0.5	<5.	218.	5.66	0.029	4.53	0.45	7.61	0.31	19.	<2.
174532	56.	9.	43.	<0.3	40.	707.	132.	<0.5	<5.	94.	3.56	0.074	0.48	0.44	6.52	2.18	13.	<2.
174533	68.	10.	102.	0.6	320.	1385.	176.	0.7	<5.	301.	6.54	0.049	2.37	0.81	8.60	1.19	22.	<2.
174534	134.	<5.	80.	0.9	126.	2448.	115.	0.7	<5.	284.	8.84	0.038	5.19	0.60	7.90	0.13	23.	<2.
174535	51.	5.	87.	<0.3	113.	1571.	163.	<0.5	<5.	201.	4.34	0.031	4.37	0.52	7.81	0.36	20.	<2.
174536	69.	11.	81.	0.8	97.	1607.	178.	<0.5	<5.	212.	7.58	0.031	4.98	0.45	7.60	0.14	22.	<2.
174537	95.	11.	85.	0.3	109.	2022.	82.	<0.5	<5.	241.	8.50	0.028	6.17	0.40	7.59	0.37	28.	<2.
174538	70.	15.	101.	0.3	220.	1864.	114.	<0.5	<5.	254.	7.84	0.030	4.66	0.52	8.81	0.18	20.	<2.
174539	117.	25.	119.	0.9	172.	2142.	135.	<0.5	<5.	257.	6.55	0.031	3.05	0.55	8.94	0.34	20.	<2.
174540	153.	15.	78.	<0.3	106.	2279.	114.	<0.5	<5.	268.	8.92	0.036	5.03	0.53	7.76	0.19	24.	<2.
174541	10.	9.	236.	2.1	109.	4652.	88.	<0.5	<5.	263.	4.09	0.028	4.89	0.59	7.59	0.03	28.	<2.
174542	163.	8.	82.	5.9	199.	2487.	123.	<0.5	<5.	253.	8.69	0.037	2.98	0.54	8.72	0.32	24.	<2.
174543	120.	9.	106.	<0.3	86.	1556.	200.	<0.5	<5.	242.	6.90	0.036	5.02	0.15	8.21	0.09	20.	<2.
174544	97.	11.	90.	<0.3	86.	1467.	139.	<0.5	<5.	247.	7.23	0.033	4.63	0.46	8.27	0.08	20.	<2.
174545	70.	<5.	84.	0.8	94.	1485.	53.	<0.5	<5.	223.	3.06	0.032	5.70	0.45	7.96	0.13	24.	<2.

Activation Laboratories Ltd. Work Order: 4180 Report: 4178

Sample description	AU PPB	AS PPM	BA PPM	BR PPM	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	RB PPM	SB PPM	SC PPM	SE PPM	SN %	TA PPM	TH PPM
174546	<5	<2	<100	<1	45	350	<2	5.20	1.4	<1	<5	<5	14400	<30	<0.2	34	<5	<0.01	<1	1.1
174547	<5	10	270	<1	16	320	<2	3.43	2.3	1	<5	<5	22100	<30	0.6	14	<5	<0.01	<1	2.8
174548	10	10	100	<1	34	260	2	4.67	1.4	<1	<5	<5	9960	<30	0.5	32	<5	<0.01	<1	1.3
174549	<5	14	180	<1	37	370	<2	5.92	1.2	<1	<5	<5	11700	<30	0.3	32	<5	<0.01	<1	1.1
174550	<5	<2	190	<1	41	360	<2	7.19	1.9	1	<5	<5	10900	<30	<0.2	32	<5	<0.01	<1	1.3
174551	<5	9	370	2	31	300	<2	4.93	2.2	<1	<5	<5	11100	<30	<0.2	26	<5	<0.01	<1	1.9
174552	8	16	<100	<1	33	300	<2	4.68	1.9	<1	<5	<5	16800	<30	<0.2	27	<5	<0.01	<1	2.7
174552	8	16	<100	<1	33	300	<2	4.68	1.9	1	<5	<5	16800	<30	<0.2	27	<5	<0.01	<1	2.7
174554	<5	5	100	<1	34	140	2	7.50	1.3	<1	<5	<5	15900	<30	0.6	35	<5	<0.02	<1	<0.5
174555	<5	<2	100	<1	29	340	<2	6.40	3.0	<1	<5	<5	6520	<30	0.6	23	<5	<0.01	<1	3.2
174556	<5	<2	150	<1	35	360	<2	3.00	2.2	<1	<5	<5	27500	<30	<0.2	22	<5	<0.01	2	3.4
174557	<5	<2	230	<1	6	54	<2	1.61	2.5	<1	<5	<5	23200	37	<0.2	5.4	<5	<0.01	2	3.5
174558	9	6	150	<1	110	21	9	24.1	0.9	<1	<5	<5	<500	82	0.2	4.8	21	<0.01	<1	1.6
174559	6	<2	310	<1	23	160	12	10.2	2.3	<1	<5	<5	3970	120	0.2	12	<5	<0.01	<1	2.8
174560	<5	8	960	<1	22	110	<2	7.77	1.9	<1	<5	<5	23300	<30	<0.2	33	<5	<0.01	<1	<0.5
174561	17	<2	170	2	37	150	<2	9.33	4.5	<1	<5	<5	14000	<30	0.2	32	<5	<0.01	2	2.7
174562	13	<2	140	<1	8	48	<2	2.98	2.0	<1	<5	<5	12900	<30	<0.2	5.1	<5	<0.01	<1	0.7
174563	26	61	160	<1	49	94	<2	3.29	1.6	<1	<5	<5	3050	<30	<0.2	4.1	<5	<0.01	<1	1.1
174564	<5	<2	840	<1	5	35	2	1.81	4.4	<1	<5	<5	36700	120	<0.2	2.6	<5	<0.01	<1	16
174565	<5	<2	920	<1	<5	46	<2	2.11	7.7	<1	<5	<5	38800	80	<0.2	2.8	<5	<0.01	<1	34
174566	<5	<2	750	<1	<5	36	3	1.37	4.0	<1	<5	<5	36300	120	<0.2	1.4	<5	<0.01	<1	15
174567	<5	4	<100	<1	96	1500	<2	8.02	0.6	<1	<5	<5	<500	<30	<0.2	14	<5	<0.01	<1	0.6
174568	<5	9	<100	<1	32	170	<2	6.30	1.4	<1	<5	<5	18200	<30	<0.2	35	<5	<0.01	<1	0.6
174569	<5	4	680	<1	28	320	<2	4.57	1.9	<1	<5	<5	24300	31	<0.2	18	<5	<0.01	<1	5.0
174570	<5	7	100	<1	33	180	<2	5.72	1.7	<1	<5	<5	13300	<30	0.3	36	<5	<0.01	<1	1.0
174571	<5	<2	310	<1	28	320	<2	4.37	1.9	<1	<5	<5	25900	<30	<0.2	19	<5	<0.01	<1	4.3
174572	<5	<2	180	<1	25	350	<2	4.90	1.5	<1	<5	<5	20400	<30	0.3	24	<5	<0.01	<1	1.7
174573	<5	<2	180	<1	30	230	<2	4.09	2.1	<1	<5	<5	13700	<30	<0.2	32	<5	<0.01	<1	2.2
174574	<5	<2	160	<1	38	330	<2	4.63	1.3	<1	<5	<5	13600	<30	<0.2	32	<5	<0.01	<1	0.7
174575	<5	<2	130	<1	35	580	<2	5.88	2.6	<1	<5	<5	11200	<30	0.4	27	<5	<0.01	2	5.8
174576	<5	<2	<100	<1	38	110	<2	5.14	0.9	<1	<5	<5	8510	<30	<0.2	35	<5	<0.01	<1	0.6
174577	<5	<2	190	<1	28	91	<2	4.65	0.9	<1	<5	<5	13500	<30	0.2	30	<5	<0.01	<1	1.2
174578	<5	<2	190	<1	42	99	<2	6.61	2.3	<1	<5	<5	19500	<30	<0.2	39	<5	<0.01	<1	1.8
174579	<5	<2	870	<1	<5	29	3	1.47	6.0	<1	<5	<5	46700	120	<0.2	2.3	<5	<0.01	<1	15
174580	<5	<2	170	<1	30	77	4	6.46	2.8	<1	<5	<5	20400	56	<0.2	28	<5	<0.01	<1	1.2
175001	<5	3	<100	7	<5	140	<2	0.42	<0.5	<1	<5	<5	731	<30	0.5	0.9	<5	<0.01	<1	<0.5
175002	<5	4	340	<1	<5	44	2	1.38	2.5	<1	<5	<5	29400	53	0.5	4.3	<5	<0.01	<1	1.5
175003	<5	5	380	<1	8	37	5	2.07	3.5	<1	<5	<5	5490	67	1.0	5.2	<5	<0.01	<1	2.6
175004	<5	5	420	<1	27	120	<2	6.48	1.2	<1	<5	<5	5410	<30	8.1	27	<5	<0.01	<1	<0.5
175005	<5	<2	<100	<1	38	160	<2	8.05	2.4	<1	<5	<5	11100	<30	0.7	35	<5	<0.01	1	<0.5
175006	<5	<2	100	1	37	170	<2	7.91	2.0	<1	<5	<5	19900	<30	0.4	34	<5	<0.01	<1	<0.5
175007	<5	<2	<100	<1	34	150	<2	8.27	2.3	<1	<5	<5	22400	<30	0.4	35	<5	<0.01	<1	1.1
175008	<5	<2	370	<1	6	70	4	3.87	3.0	<1	<5	<5	17100	73	0.3	8.6	<5	<0.01	<1	4.5
175009	<5	6	520	<1	<5	69	<2	1.08	3.5	<1	<5	<5	15200	52	0.3	3.8	<5	<0.01	<1	5.4
175010	<5	<2	140	<1	22	120	<2	4.72	3.4	<1	<5	<5	23000	<30	0.3	15	<5	<0.01	<1	3.9

Activation Laboratories Ltd. Work Order: 4180 Report: 4178

Sample description	U PPM	W PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
174546	<0.5	<4	5	12	6	1.6	0.8	<0.5	2.43	0.41	30.00
174547	<0.5	<4	13	26	13	2.3	0.6	<0.5	1.33	0.20	30.00
174548	<0.5	<4	6	13	5	1.7	0.6	<0.5	2.18	0.34	30.00
174549	<0.5	<4	5	11	6	1.4	0.7	0.5	1.90	0.31	30.00
174550	<0.5	<4	6	13	6	1.7	0.7	<0.5	2.12	0.39	30.00
174551	<0.5	<4	9	19	<5	2.1	0.8	<0.5	2.23	0.36	30.00
174552	1.0	<4	10	20	10	2.3	0.8	0.9	2.65	0.42	30.00
174552	<0.5	<4	10	20	10	2.4	0.8	0.9	2.66	0.43	30.00
174554	<0.5	<4	4	9	5	1.8	0.8	<0.5	2.35	0.41	30.00
174555	<0.5	<4	31	64	28	5.6	1.8	<0.5	1.79	0.30	30.00
174556	<0.5	<4	25	51	23	4.7	1.3	<0.5	1.69	0.27	30.00
174557	<0.5	<4	10	33	17	1.9	0.6	<0.5	0.81	0.13	30.00
174558	<0.5	<4	3	9	5	0.5	<0.2	<0.5	0.69	0.06	30.00
174559	<0.5	<4	20	41	18	3.3	1.6	<0.5	1.53	0.20	30.00
174560	<0.5	<4	4	10	6	1.8	0.6	0.9	3.03	0.49	30.00
174561	<0.5	<4	17	38	21	5.1	1.9	1.2	3.88	0.54	30.00
174562	<0.5	<4	8	17	8	1.1	0.6	0.7	0.70	0.08	30.00
174563	<0.5	<4	9	20	8	1.1	0.3	<0.5	0.91	0.16	30.00
174564	5.0	<4	72	120	38	7.2	2.3	<0.5	0.91	0.10	30.00
174565	9.2	<4	89	180	53	10	3.5	<0.5	1.46	0.21	30.00
174566	2.9	<4	45	88	35	6.2	2.0	<0.5	0.86	0.13	30.00
174567	<0.5	<4	2	5	<5	0.6	0.2	<0.5	0.73	0.13	30.00
174568	<0.5	<4	4	8	8	1.5	0.5	<0.5	2.08	0.33	30.00
174569	<0.5	<4	19	38	13	2.7	0.8	<0.5	1.01	0.11	30.00
174570	<0.5	<4	5	11	6	1.7	0.7	<0.5	2.15	0.30	30.00
174571	<0.5	<4	21	40	14	2.7	0.9	<0.5	0.89	0.13	30.00
174572	<0.5	<4	7	14	7	1.7	0.6	<0.5	1.94	0.33	30.00
174573	0.9	<4	9	17	8	2.2	0.7	<0.5	2.34	0.39	30.00
174574	<0.5	<4	5	11	6	1.7	0.7	<0.5	2.00	0.32	30.00
174575	2.0	<4	27	51	24	4.6	1.5	<0.5	1.47	0.24	30.00
174576	<0.5	<4	3	7	<5	0.8	0.5	<0.5	0.98	0.20	30.00
174577	<0.5	<4	3	6	<5	0.7	0.2	<0.5	0.82	0.17	30.00
174578	<0.5	<4	11	21	11	2.7	1.0	0.9	3.40	0.48	30.00
174579	3.0	<4	46	86	35	5.1	1.5	<0.5	0.61	0.12	30.00
174580	1.1	<4	9	23	9	2.8	0.9	<0.5	3.57	0.52	30.00
175001	<0.5	<4	<1	<3	<5	0.1	<0.2	<0.5	<0.05	<0.05	30.00
175002	<0.5	<4	10	18	9	1.3	0.6	<0.5	0.45	0.09	30.00
175003	0.6	<4	18	32	11	1.8	0.8	<0.5	0.69	0.11	30.00
175004	<0.5	<4	3	9	6	1.6	0.5	<0.5	2.39	0.35	30.00
175005	<0.5	<4	5	14	7	2.4	1.1	<0.5	3.33	0.51	30.00
175006	<0.5	<4	6	14	7	2.5	0.9	0.8	3.48	0.55	30.00
175007	<0.5	<4	5	12	7	2.2	1.0	1.0	2.78	0.43	30.00
175008	1.8	<4	26	46	17	2.4	0.9	<0.5	0.80	0.13	30.00
175009	1.2	<4	26	49	18	2.6	0.9	0.5	0.79	0.13	30.00
175010	1.5	<4	24	50	18	3.3	1.0	<0.5	1.44	0.25	30.00

Activation Laboratories Ltd. Work Order: 4180 Report: 4178B

Sample description	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	MN PPM	SR PPM	CD PPM	BI PPM	V PPM	CA %	P %	MG %	TI %	AL %	K %	Y PPM	BE PPM
174546	132.	13.	108.	1.3	199.	2041.	118.	0.5	<5.	254.	7.43	0.030	3.34	0.52	8.74	0.10	23.	<2.
174547	24.	13.	87.	<0.3	150.	1014.	557.	<0.5	<5.	129.	6.16	0.064	2.64	0.41	7.69	0.44	14.	<2.
174548	109.	9.	81.	<0.3	103.	1830.	141.	<0.5	<5.	218.	8.22	0.030	5.63	0.43	7.51	0.07	23.	<2.
174549	83.	8.	79.	0.7	153.	2345.	123.	<0.5	<5.	238.	9.09	0.028	5.41	0.40	8.02	0.11	20.	<2.
174550	105.	<5.	96.	<0.3	185.	1899.	120.	<0.5	<5.	246.	9.19	0.033	5.95	0.50	7.99	0.21	22.	<2.
174551	66.	6.	77.	<0.3	122.	1537.	213.	<0.5	<5.	202.	[illegible].72	0.037	4.44	0.48	7.62	0.70	24.	<2.
174552	70.	8.	77.	0.5	148.	1661.	131.	<0.5	<5.	208.	7.92	0.039	4.93	0.50	7.73	0.18	26.	<2.
174553	138.	16.	70.	0.4	74.	1282.	132.	<0.5	<5.	207.	5.70	0.028	3.81	0.46	5.66	0.21	18.	<2.
174554	77.	10.	121.	1.0	89.	1619.	219.	<0.5	<5.	307.	8.43	0.041	5.08	0.67	7.93	0.24	24.	<2.
174555	52.	17.	112.	1.0	178.	2365.	611.	<0.5	<5.	226.	16.55	0.163	5.57	0.56	6.99	0.16	26.	<2.
174556	40.	29.	47.	1.1	230.	869.	516.	<0.5	<5.	218.	7.50	0.176	2.04	0.65	7.70	0.33	26.	<2.
174557	14.	8.	49.	<0.3	14.	811.	428.	<0.5	<5.	44.	3.59	0.037	1.65	0.24	8.29	1.19	10.	<2.
174558	1462.	37.	58.	1.9	74.	589.	13.	1.2	10.	120.	0.28	0.050	1.76	0.22	2.46	1.15	4.	5.
174559	22.	<5.	173.	<0.3	146.	1919.	277.	<0.5	<5.	131.	3.06	0.078	3.76	0.54	6.74	2.12	19.	<2.
174560	127.	10.	157.	1.3	70.	1767.	55.	<0.5	<5.	337.	3.25	0.046	4.83	0.82	7.22	0.84	31.	<2.
174561	380.	7.	155.	1.8	110.	1885.	223.	0.5	<5.	493.	7.99	0.115	4.20	1.58	6.54	0.45	37.	<2.
174562	166.	<5.	44.	<0.3	17.	412.	154.	<0.5	<5.	36.	1.36	0.033	0.76	0.22	6.26	1.14	5.	<2.
174563	413.	7.	742.	1.5	58.	719.	139.	7.3	<5.	40.	0.87	0.027	0.67	0.17	3.57	0.39	8.	<2.
174564	42.	12.	60.	<0.3	7.	516.	689.	<0.5	<5.	54.	2.09	0.072	0.55	0.21	8.04	5.05	19.	3.
174565	17.	31.	71.	<0.3	5.	633.	1695.	<0.5	<5.	64.	2.84	0.089	0.67	0.22	8.05	3.75	28.	4.
174566	16.	17.	27.	<0.3	1.	380.	943.	<0.5	<5.	27.	1.66	0.046	0.34	0.12	6.38	3.91	16.	2.
174567	55.	<5.	70.	<0.3	1229.	1590.	23.	<0.5	<5.	91.	3.51	0.016	19.58	0.21	2.82	0.01	8.	<2.
174568	107.	<5.	97.	1.9	97.	1782.	272.	0.5	<5.	282.	4.47	0.035	5.56	0.57	7.69	0.16	23.	<2.
174569	7.	<5.	69.	<0.3	191.	977.	285.	<0.5	6.	134.	3.74	0.074	5.58	0.39	7.94	1.42	12.	<2.
174570	94.	8.	76.	0.9	93.	1676.	167.	<0.5	<5.	276.	8.60	0.038	4.72	0.59	7.98	0.19	23.	<2.
174571	41.	5.	72.	0.7	236.	1127.	208.	0.5	<5.	155.	5.80	0.062	6.83	0.41	7.89	1.16	13.	<2.
174572	46.	8.	75.	0.3	101.	1191.	231.	0.5	<5.	182.	5.19	0.032	5.97	0.46	7.85	0.50	22.	<2.
174573	78.	10.	69.	0.4	86.	1391.	117.	<0.5	<5.	238.	8.48	0.042	4.63	0.53	8.55	0.41	29.	<2.
174574	109.	13.	87.	0.5	182.	1624.	163.	0.5	6.	262.	10.13	0.036	5.15	0.55	9.12	0.07	22.	<2.
174575	59.	16.	97.	0.6	201.	1834.	363.	<0.5	<5.	222.	11.11	0.154	7.77	0.48	7.09	0.02	24.	<2.
174576	132.	9.	51.	<0.3	166.	1606.	100.	0.6	<5.	168.	11.58	0.015	7.58	0.19	8.14	0.16	12.	<2.
174577	89.	<5.	54.	<0.3	145.	1371.	49.	0.7	<5.	164.	7.61	0.015	6.23	0.18	8.88	0.87	11.	<2.
174578	10.	21.	101.	0.8	106.	3751.	218.	0.7	<5.	374.	10.66	0.059	3.44	0.93	9.60	0.33	37.	<2.
174579	10.	37.	59.	<0.3	7.	441.	362.	<0.5	<5.	36.	2.01	0.051	0.55	0.27	8.19	4.04	14.	4.
174580	77.	17.	76.	1.0	49.	3378.	112.	0.6	<5.	282.	6.54	0.064	2.82	0.88	9.02	1.06	37.	<2.
175001	1.	<5.	7.	<0.3	1.	61.	11.	<0.5	<5.	8.	0.09	0.006	0.21	0.01	0.55	0.01	1.	<2.
175002	17.	13.	128.	<0.3	5.	248.	251.	<0.5	<5.	44.	1.08	0.044	0.87	0.12	8.[illegible]	1.56	4.	<2.
175003	1.	6.	34.	<0.3	10.	171.	144.	<0.5	<5.	52.	0.20	0.016	0.90	0.09	9.69	3.71	2.	<2.
175004	38.	<5.	98.	<0.3	75.	1106.	123.	<0.5	<5.	261.	3.05	0.027	3.74	0.16	8.02	0.30	8.	<2.
175005	48.	<5.	88.	0.5	85.	1449.	548.	<0.5	<5.	359.	7.08	0.055	4.88	0.96	8.13	0.01	35.	<2.
175006	76.	13.	82.	0.3	96.	1502.	205.	0.6	<5.	329.	6.97	0.056	5.30	0.86	7.95	0.04	37.	<2.
175007	39.	<5.	97.	1.0	56.	1660.	133.	<0.5	<5.	353.	5.57	0.046	4.44	0.96	7.55	0.05	35.	<2.
175008	32.	6.	111.	<0.3	17.	1012.	143.	<0.5	<5.	67.	4.53	0.057	0.57	0.37	7.38	3.45	10.	<2.
175009	6.	10.	53.	0.9	10.	160.	81.	<0.5	<5.	52.	1.05	0.065	0.28	0.41	8.18	5.76	8.	<2.
175010	33.	8.	73.	<0.3	112.	1007.	318.	0.5	<5.	142.	5.13	0.092	3.37	0.61	8.25	0.45	19.	<2.

Activation Laboratories Ltd. Work Order: 4180 Report: 4178

Sample description	AU PPB	AS PPM	BA PPM	BR PPM	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	RB PPM	SB PPM	SC PPM	SR PPM	SN %	TA PPM	TH PPM
175011	<5	<2	280	<1	10	130	<2	2.03	2.9	<1	<5	<5	29100	<30	<0.2	6.2	<5	<0.01	<1	4.4
175012	<5	<2	<100	<1	40	550	<2	6.98	1.6	<1	<5	<5	9000	<30	0.3	31	<5	<0.01	<1	1.9
175013	<5	2	250	<1	7	40	<2	1.48	2.8	<1	<5	<5	53600	<30	<0.2	4.7	<5	<0.01	<1	6.0
175014	<5	<2	300	<1	13	77	<2	1.35	3.4	<1	<5	<5	22600	<30	<0.2	4.0	<5	<0.01	<1	5.6
175015	<5	<2	<100	<1	41	290	<2	5.84	1.2	<1	<5	<5	18300	<30	0.8	34	<5	<0.01	<1	<0.5
175016	<5	4	<100	<1	31	290	<2	6.28	1.9	<1	<5	<5	9660	<30	<0.2	32	<5	<0.01	<1	1.3
175017	<5	6	180	<1	36	180	<2	7.22	1.4	<1	<5	<5	15000	<30	0.9	37	<5	<0.01	<1	<0.5
175018	<5	11	160	<1	28	250	<2	5.81	1.7	<1	<5	<5	16100	<30	1.1	34	<5	<0.01	<1	1.3
175019	14	27	<100	2	25	28	<2	6.80	1.7	<1	<5	<5	15500	<30	3.5	25	<5	<0.01	<1	1.9
175020	<5	<2	200	1	<5	59	<2	1.65	2.2	<1	<5	<5	26000	<30	0.6	3.9	<5	<0.01	<1	1.7
175021	29	37	<100	<1	27	45	<2	6.50	1.5	<1	<5	<5	19500	<30	1.8	23	<5	<0.01	<1	2.5
175022	<5	<2	<100	<1	37	29	<2	7.22	2.1	<1	<5	<5	15600	<30	0.8	26	<5	<0.01	<1	3.0
175023	<5	20	240	<1	25	580	<2	6.94	1.2	1	<5	<5	10600	<30	0.4	33	<5	<0.01	<1	<0.5
175024	12	270	600	<1	<5	52	<2	1.11	1.8	<1	<5	<5	33500	<30	1.3	2.9	<5	<0.01	<1	3.8
175025	12	7	790	1	6	50	<2	1.22	1.5	<1	<5	<5	31300	67	1.2	3.2	<5	<0.01	<1	3.9
175026	<5	17	300	<1	11	66	3	3.36	3.0	<1	<5	<5	25200	<30	1.2	10	<5	<0.01	<1	5.2
175027	<5	<2	660	<1	8	40	<2	2.44	3.2	<1	<5	5	31600	47	0.6	4.7	<5	<0.01	<1	2.6
175028	<5	16	<100	<1	39	320	<2	6.62	1.5	<1	<5	<5	11900	<30	0.7	33	<5	<0.01	<1	0.7
175029	<5	<2	<100	<1	41	350	<2	6.21	1.3	<1	<5	<5	9550	<30	<0.2	32	<5	<0.01	<1	1.3
175030	<5	5	<100	<1	28	150	<2	5.12	0.9	<1	<5	<5	15600	<30	0.7	28	<5	<0.01	<1	<0.5
175031	<5	4	<100	1	30	300	<2	5.42	2.0	<1	<5	<5	17200	<30	0.3	27	<5	<0.01	<1	1.9
175032	<5	21	190	<1	30	180	<2	5.26	1.5	1	<5	<5	10000	<30	0.9	36	<5	<0.01	<1	1.0
175033	<5	26	1100	<1	13	140	3	2.75	3.2	<1	<5	<5	25600	51	2.3	10	<5	<0.01	<1	14
175034	<5	<2	<100	<1	37	240	<2	7.01	1.4	<1	<5	<5	13100	<30	0.3	38	<5	<0.01	<1	0.9
175035	7	3	<100	<1	39	180	<2	6.95	1.3	<1	<5	<5	12400	<30	0.2	38	<5	<0.01	<1	1.1
175036	9	<2	<100	<1	33	360	<2	6.26	1.4	<1	<5	<5	4200	<30	0.3	31	<5	<0.01	<1	1.0
175037	<5	20	<100	<1	32	190	<2	4.36	2.2	<1	<5	<5	11600	<30	1.3	35	<5	<0.01	<1	1.2
175038	<5	11	<100	<1	37	190	<2	6.60	1.7	<1	<5	<5	7970	<30	0.5	41	<5	<0.01	<1	<0.5
175039	<5	<2	850	3	30	140	<2	5.78	1.8	<1	<5	<5	15800	<30	<0.2	38	<5	<0.01	<1	<0.5
175040	<5	11	<100	<1	22	95	<2	6.40	1.7	<1	<5	<5	16700	<30	0.6	30	<5	<0.01	<1	1.7
175041	<5	<2	140	<1	36	350	<2	5.40	1.1	<1	<5	<5	23200	<30	2.7	30	<5	<0.01	<1	1.1
175042	<5	12	140	<1	28	490	<2	5.68	0.7	<1	<5	<5	14700	<30	9.6	23	<5	<0.01	<1	0.9
175043	<5	24	<100	<1	21	180	<2	7.44	1.3	<1	<5	<5	16500	<30	3.6	36	<5	<0.01	<1	0.7
175044	12	85	<100	<1	32	170	<2	7.19	1.8	<1	<5	<5	8760	<30	77	37	<5	<0.01	<1	0.9
175045	<5	47	320	<1	26	140	<2	5.65	1.4	<1	<5	<5	11600	<30	14	30	<5	<0.01	<1	1.1
175046	<5	61	<100	<1	29	160	3	6.47	1.4	<1	<5	<5	7990	<30	5.5	36	<5	<0.01	<1	<0.5
175047	<5	34	<100	<1	37	180	<2	7.34	1.2	<1	<5	<5	8150	<30	10	37	<5	<0.01	<1	1.1
175048	<5	20	<100	<1	31	160	<2	7.10	1.4	<1	<5	<5	9010	<30	4.0	34	<5	<0.01	<1	0.8
175049	6	45	100	<1	19	140	3	5.84	0.8	<1	<5	<5	3090	32	10	29	<5	<0.01	<1	0.6
175050	<5	15	<100	<1	35	180	<2	7.73	1.4	<1	<5	<5	12900	<30	2.0	38	<5	<0.01	<1	0.6
175051	<5	18	<100	<1	37	370	<2	6.46	1.4	<1	<5	<5	10900	<30	7.7	30	<5	<0.01	<1	0.9
175052	<5	5	<100	<1	43	320	<2	6.69	1.4	<1	<5	<5	16000	<30	3.2	30	<5	<0.01	<1	1.2
175053	8	50	170	<1	40	300	<2	5.96	1.4	<1	<5	<5	6450	<30	1.3	27	<5	<0.01	<1	1.1
175054	<5	9	330	<1	35	470	3	6.45	1.2	2	<5	<5	4570	47	1.2	33	<5	<0.01	<1	1.2
175055	<5	<2	100	<1	34	340	<2	5.82	2.0	<1	<5	<5	15100	<30	<0.2	24	<5	<0.01	<1	3.0

Activation Laboratories Ltd. Work Order: 4180 Report: 4178

Sample description	U PPM	W PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
175011	1.3	<4	13	20	8	1.2	0.4	<0.5	0.55	0.06	30.00
175012	<0.5	<4	9	18	8	1.7	0.6	<0.5	2.05	0.30	30.00
175013	2.0	6	32	55	14	2.6	0.9	<0.5	0.70	0.12	30.00
175014	1.7	<4	26	49	17	2.0	0.8	<0.5	0.64	0.11	30.00
175015	<0.5	<4	2	5	<5	1.2	0.5	<0.5	2.04	0.31	30.00
175016	<0.5	<4	6	14	7	1.8	0.7	<0.5	2.69	0.39	30.00
175017	<0.5	<4	4	11	6	1.6	0.7	<0.5	2.34	0.32	30.00
175018	<0.5	<4	5	14	7	1.5	0.7	<0.5	2.20	0.29	30.00
175019	1.3	<4	8	18	6	1.8	0.7	<0.5	1.83	0.33	30.00
175020	<0.5	<4	11	19	9	1.2	0.7	<0.5	0.50	0.08	30.00
175021	1.1	<4	8	15	8	1.9	0.7	<0.5	2.07	0.35	30.00
175022	<0.5	<4	9	19	9	2.2	0.8	<0.5	2.07	0.32	30.00
175023	<0.5	<4	2	5	<5	0.7	0.3	<0.5	1.27	0.21	30.00
175024	1.5	<4	13	26	8	1.3	0.5	<0.5	0.57	0.08	30.00
175025	2.1	5	12	18	<5	1.3	0.5	<0.5	0.28	<0.05	30.00
175026	1.6	<4	28	56	21	3.5	1.2	0.5	1.32	0.22	30.00
175027	<0.5	<4	14	26	8	1.7	1.1	<0.5	1.00	0.14	30.00
175028	<0.5	<4	5	12	6	1.6	0.7	<0.5	2.18	0.41	30.00
175029	<0.5	<4	5	13	7	1.7	0.7	<0.5	2.35	0.35	30.00
175030	<0.5	<4	3	6	<5	1.2	0.5	<0.5	1.64	0.24	30.00
175031	<0.5	<4	8	18	9	1.9	0.6	<0.5	2.13	0.32	30.00
175032	<0.5	5	4	9	<5	1.7	0.8	<0.5	2.06	0.31	30.00
175033	2.6	<4	69	110	42	6.1	1.9	<0.5	1.09	0.20	30.00
175034	<0.5	<4	5	11	6	1.7	0.6	0.6	2.19	0.34	30.00
175035	<0.5	<4	5	12	6	1.7	0.7	0.6	2.13	0.36	30.00
175036	<0.5	<4	6	12	6	1.6	0.6	<0.5	1.98	0.34	30.00
175037	<0.5	<4	5	14	7	1.5	0.6	<0.5	2.21	0.36	30.00
175038	<0.5	<4	4	11	7	2.1	0.9	<0.5	2.95	0.44	30.00
175039	<0.5	<4	3	8	9	1.9	0.9	<0.5	2.76	0.45	30.00
175040	<0.5	<4	7	14	5	1.8	0.5	0.9	2.20	0.34	30.00
175041	<0.5	<4	4	10	5	1.3	0.6	<0.5	1.51	0.26	30.00
175042	<0.5	<4	4	9	9	1.2	0.3	<0.5	1.49	0.23	30.00
175043	<0.5	<4	2	6	<5	1.5	0.9	<0.5	2.36	0.34	30.00
175044	<0.5	13	3	9	<5	1.4	0.6	<0.5	2.16	0.33	30.00
175045	<0.5	<4	5	12	6	1.5	0.6	<0.5	2.10	0.29	30.00
175046	<0.5	9	4	9	<5	1.6	0.7	<0.5	2.47	0.34	30.00
175047	<0.5	<4	5	13	7	1.7	0.8	<0.5	2.31	0.37	30.00
175048	<0.5	<4	4	8	7	1.6	0.6	<0.5	2.06	0.30	30.00
175049	<0.5	<4	4	11	6	1.6	0.6	0.7	2.20	0.33	30.00
175050	<0.5	<4	4	12	7	1.7	0.6	<0.5	2.24	0.36	30.00
175051	<0.5	<4	4	9	<5	1.5	0.8	<0.5	2.01	0.31	30.00
175052	<0.5	<4	4	12	6	1.3	0.3	<0.5	1.80	0.33	30.00
175053	<0.5	<4	3	6	6	1.0	0.4	<0.5	1.41	0.23	30.00
175054	<0.5	<4	3	8	6	1.1	0.4	<0.5	1.62	0.24	30.00
175055	1.1	<4	12	23	6	2.2	0.7	<0.5	2.23	0.31	30.00

Activation Laboratories Ltd. Work Order: 418C Report: 4178B

Sample description	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	MN PPM	SR PPM	CD PPM	BI PPM	V PPM	CA %	P %	MG %	TI %	AL %	K %	Y PPM	BE PPM
175011	11.	13.	62.	<0.3	45.	413.	215.	<0.5	<5.	56.	2.08	0.030	1.29	0.28	7.70	1.16	6.	<2.
175012	52.	6.	67.	0.8	124.	1601.	94.	<0.5	<5.	207.	7.73	0.032	6.61	0.45	6.61	0.29	22.	<2.
175013	2.	10.	46.	<0.3	20.	600.	146.	<0.5	<5.	33.	1.94	0.084	0.65	0.20	8.33	1.15	8.	<2.
175014	8.	8.	607.	<0.3	29.	220.	98.	1.9	<5.	30.	3.92	0.045	0.47	0.25	7.33	1.41	6.	<2.
175015	145.	9.	100.	0.9	191.	2142.	187.	1.0	<5.	282.	8.35	0.028	2.92	0.57	8.57	0.08	19.	<2.
175016	68.	<5.	79.	1.0	106.	2106.	104.	0.6	<5.	250.	7.70	0.031	6.37	0.49	8.09	0.20	29.	<2.
175017	89.	<5.	83.	<0.3	96.	1794.	95.	0.7	<5.	267.	9.10	0.036	5.57	0.60	7.54	0.04	22.	<2.
175018	58.	3.	58.	0.6	88.	1228.	207.	<0.5	<5.	277.	8.31	0.029	6.22	0.61	8.31	0.14	22.	<2.
175019	78.	6.	70.	0.7	58.	1531.	277.	0.6	<5.	231.	8.79	0.048	4.74	0.59	8.82	0.14	23.	<2.
175020	1.	10.	19.	<0.3	4.	288.	267.	<0.5	<5.	37.	1.14	0.041	1.01	0.14	8.03	1.04	5.	<2.
175021	85.	19.	53.	1.9	56.	1260.	83.	<0.5	<5.	237.	6.14	0.051	4.00	0.69	7.33	0.29	26.	<2.
175022	145.	7.	90.	0.6	54.	1565.	144.	<0.5	<5.	269.	6.36	0.049	4.89	0.77	7.67	0.08	26.	<2.
175023	31.	<5.	65.	0.5	140.	1124.	36.	<0.5	<5.	221.	3.85	0.019	7.01	0.34	8.84	0.78	13.	<2.
175024	2.	15.	14.	<0.3	4.	244.	311.	<0.5	<5.	27.	1.70	0.041	0.50	0.06	6.87	1.06	4.	<2.
175025	5.	17.	19.	0.6	9.	192.	104.	<0.5	<5.	34.	0.93	0.043	0.51	0.17	7.82	2.14	4.	<2.
175026	24.	9.	54.	0.6	26.	811.	557.	<0.5	<5.	123.	3.88	0.126	2.21	0.61	8.12	0.82	17.	<2.
175027	31.	10.	80.	<0.3	6.	680.	148.	<0.5	<5.	41.	1.02	0.071	1.31	0.30	7.56	2.61	6.	<2.
175028	126.	11.	79.	1.3	182.	1597.	120.	0.6	<5.	261.	8.06	0.039	6.86	0.60	8.79	0.12	22.	<2.
175029	108.	<5.	78.	0.3	211.	2372.	106.	<0.5	<5.	230.	8.14	0.033	3.96	0.51	8.54	0.25	26.	<2.
175030	119.	<5.	72.	0.7	84.	1827.	71.	<0.5	<5.	209.	10.35	0.031	4.33	0.48	6.66	0.08	19.	<2.
175031	89.	<5.	97.	<0.3	112.	1619.	83.	<0.5	<5.	203.	4.07	0.039	4.63	0.53	7.79	0.21	26.	<2.
175032	138.	10.	103.	0.6	115.	2112.	124.	<0.5	<5.	270.	8.81	0.037	4.48	0.61	8.17	0.48	24.	<2.
175033	46.	25.	71.	<0.3	82.	668.	939.	<0.5	<5.	97.	3.71	0.146	1.76	0.39	8.09	2.01	17.	<2.
175034	97.	<5.	96.	<0.3	105.	1743.	111.	<0.5	<5.	265.	9.56	0.035	5.76	0.59	7.48	0.13	25.	<2.
175035	137.	<5.	89.	0.4	113.	1775.	108.	<0.5	<5.	275.	7.53	0.042	4.71	0.62	7.88	0.15	25.	<2.
175036	46.	<5.	67.	<0.3	139.	3295.	104.	<0.5	<5.	213.	11.72	0.028	4.57	0.45	7.51	0.01	23.	<2.
175037	71.	<5.	94.	0.7	135.	1320.	131.	<0.5	<5.	266.	6.87	0.034	5.84	0.55	9.03	0.16	23.	<2.
175038	79.	<5.	95.	0.5	97.	1609.	124.	<0.5	<5.	327.	7.51	0.037	3.50	0.80	8.03	0.01	31.	<2.
175039	65.	<5.	98.	<0.3	70.	2535.	103.	<0.5	<5.	344.	10.98	0.026	4.37	0.85	7.44	0.59	30.	<2.
175040	104.	<5.	94.	<0.3	68.	1429.	68.	<0.5	<5.	215.	7.03	0.037	5.08	0.54	7.05	0.01	24.	<2.
175041	89.	6.	75.	<0.3	179.	1555.	103.	<0.5	<5.	205.	6.68	0.027	5.20	0.46	7.10	0.01	18.	<2.
175042	45.	<5.	70.	<0.3	279.	1310.	132.	<0.5	<5.	142.	7.26	0.024	7.44	0.35	8.18	0.26	14.	<2.
175043	74.	<5.	100.	0.5	91.	1167.	33.	<0.5	<5.	285.	1.91	0.032	5.61	0.70	7.95	0.05	25.	<2.
175044	131.	<5.	123.	<0.3	101.	3017.	96.	<0.5	<5.	248.	6.31	0.039	4.58	0.09	7.50	0.19	7.	<2.
175045	102.	<5.	95.	<0.3	91.	1194.	97.	<0.5	<5.	221.	6.06	0.037	4.18	0.20	7.55	0.22	7.	<2.
175046	115.	<5.	106.	<0.3	107.	1813.	82.	<0.5	<5.	257.	6.55	0.037	4.55	0.19	7.68	0.32	7.	<2.
175047	118.	10.	87.	0.3	104.	1484.	228.	<0.5	<5.	255.	8.96	0.036	5.69	0.60	7.30	0.01	23.	<2.
175048	104.	<5.	88.	<0.3	100.	1058.	34.	<0.5	<5.	228.	6.24	0.033	6.62	0.15	6.96	0.01	11.	<2.
175049	123.	<5.	90.	0.5	84.	3179.	60.	<0.5	<5.	213.	10.30	0.039	3.95	0.10	6.42	0.65	8.	<2.
175050	119.	<5.	96.	0.3	99.	1706.	82.	0.7	<5.	250.	7.92	0.034	5.81	0.59	7.15	0.02	23.	<2.
175051	109.	<5.	88.	<0.3	202.	1882.	110.	0.6	<5.	213.	6.64	0.029	4.65	0.55	7.94	0.01	22.	<2.
175052	112.	<5.	86.	<0.3	187.	2126.	74.	0.5	<5.	206.	5.03	0.030	4.65	0.09	7.37	0.01	19.	<2.
175053	81.	<5.	63.	<0.3	167.	4075.	74.	<0.5	<5.	186.	7.52	0.031	3.62	0.07	6.91	0.56	7.	<2.
175054	96.	<5.	69.	<0.3	237.	2098.	26.	<0.5	<5.	209.	4.44	0.028	4.03	0.07	7.31	0.97	7.	<2.
175055	64.	<5.	73.	<0.3	197.	1328.	213.	<0.5	<5.	179.	8.02	0.034	6.59	0.47	7.49	0.33	24.	<2.

Activation Laboratories Ltd. Work Order: 4180 Report: 4178

Sample description	AU PPB	AS PPM	BA PPM	BR PPM	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	RB PPM	SB PPM	SC PPM	SE PPM	SN %	TA PPM	TH PPM
175056	10	2	330	<1	31	65	9	10.7	1.8	<1	<5	<5	11400	<30	0.3	40	<5	<0.01	<1	2.0
175057	<5	<2	290	3	34	88	<2	7.03	2.5	<1	<5	<5	11300	<30	<0.2	38	<5	<0.01	<1	1.1
175058	<5	<2	200	<1	33	230	<2	7.65	0.8	<1	<5	<5	6820	38	0.4	32	<5	<0.01	<1	0.7
175059	<5	<2	400	<1	<5	53	<2	0.50	1.7	<1	<5	<5	30200	63	<0.2	1.1	<5	<0.01	<1	4.8
175060	<5	<2	100	<1	40	300	<2	6.98	1.0	<1	<5	<5	8350	<30	<0.2	34	<5	<0.01	<1	<0.5
175501	<5	17	<100	<1	28	28	10	9.89	2.5	<1	9	<5	12600	<30	2.8	39	<5	<0.01	<1	<0.5
175502	<5	2	910	<1	15	88	<2	3.27	3.5	<1	7	<5	22800	35	<0.2	7.0	<5	<0.01	<1	5.2
175503	<5	<2	440	<1	9	97	<2	2.38	2.6	<1	<5	<5	26900	<30	<0.2	9.1	<5	<0.01	<1	3.7
175504	<5	2	530	<1	<5	25	<2	2.67	4.8	<1	<5	<5	11900	59	0.2	6.0	<5	<0.01	<1	6.9
175505	<5	5	340	<1	44	300	<2	4.95	<0.5	<1	<5	<5	19400	<30	<0.2	36	<5	<0.01	<1	<0.5
175506	<5	2	<100	<1	28	200	<2	5.49	2.2	<1	<5	<5	10700	<30	<0.2	25	<5	<0.01	<1	2.3
175507	<5	4	140	<1	26	220	3	5.58	0.8	<1	<5	<5	21200	<30	0.5	30	<5	<0.01	<1	0.5
175508	<5	3	410	<1	38	220	4	6.57	1.8	<1	<5	<5	25500	<30	<0.2	32	<5	<0.01	<1	1.6
175509	<5	<2	400	<1	40	250	11	6.78	2.1	<1	<5	<5	10100	80	0.3	31	<5	<0.01	<1	<0.5
175510	<5	4	2000	<1	8	41	4	2.95	4.3	<1	<5	<5	30300	110	0.2	4.2	<5	<0.01	<1	20
175511	<5	<2	590	<1	<5	46	5	0.79	3.4	<1	<5	<5	30700	86	0.2	1.1	<5	<0.01	<1	12
175512	8	7	1100	<1	8	68	<2	6.73	3.7	<1	<5	<5	13000	42	0.5	6.4	<5	<0.01	<1	39
175513	<5	7	400	<1	37	99	<2	12.0	1.6	<1	5	<5	13600	<30	0.9	9.4	<5	<0.01	1	4.8
175514	5	8	260	<1	37	75	<2	18.2	1.3	<1	<5	<5	11900	<30	0.6	12	<5	<0.01	<1	3.8
175515	<5	6	380	<1	<5	110	<2	3.39	2.7	<1	<5	<5	29400	<30	0.6	4.5	<5	<0.01	<1	3.3
175516	<5	5	200	<1	35	650	<2	5.07	1.0	<1	<5	<5	10600	<30	0.4	24	<5	<0.01	<1	<0.5
175517	<5	21	280	<1	20	250	<2	3.42	2.0	<1	<5	<5	14100	39	0.3	20	<5	<0.01	<1	2.4
175518	<5	1[illegible]	140	<1	29	280	<2	4.66	2.0	<1	<5	<5	16600	<30	0.4	24	<5	<0.01	<1	1.7
175519	7	20	330	<1	39	360	<2	4.00	1.3	<1	<5	<5	15600	<30	<0.2	29	<5	<0.01	<1	<0.5
175520	<5	13	230	<1	40	380	<2	6.88	1.7	<1	<5	<5	17300	<30	0.6	35	<5	<0.01	<1	1.2
175521	<5	<2	150	<1	34	170	<2	6.23	1.1	<1	<5	<5	9180	<30	0.7	32	<5	<0.01	<1	1.0
175522	13	29	170	<1	43	190	<2	4.05	2.4	<1	<5	<5	31400	<30	0.6	36	<5	<0.02	<1	0.8
175523	<5	<2	170	<1	35	41	<2	8.91	2.4	<1	<5	<5	16400	<30	0.4	36	<5	<0.01	<1	1.0
175524	<5	8	210	<1	39	190	<2	7.73	1.6	<1	<5	<5	8540	<30	<0.2	38	<5	<0.01	<1	0.7
175525	6	<2	130	<1	33	310	<2	6.20	1.3	<1	<5	<5	5420	36	0.4	26	<5	<0.01	<1	<0.5
175526	<5	7	160	<1	33	290	<2	6.38	1.5	<1	<5	<5	9250	<30	<0.2	33	<5	<0.01	<1	1.3
175527	<5	<2	200	<1	6	72	<2	4.23	2.8	<1	<5	<5	23700	<30	0.3	6.8	<5	<0.01	1	3.9
175528	<5	<2	140	<1	36	200	<2	6.50	1.6	<1	<5	<5	21100	<30	<0.2	30	<5	<0.01	<1	0.6
175529	7	28	640	<1	23	160	<2	2.75	3.0	<1	<5	<5	16700	60	0.4	12	<5	<0.01	<1	4.3
175530	<5	9	500	<1	34	89	<2	5.36	3.1	<1	<5	<5	17300	43	0.4	16	<5	<0.01	<1	2.8
175531	<5	<2	<100	<1	39	110	<2	8.50	2.3	<1	<5	<5	15300	<30	<0.2	38	<5	<0.01	<1	0.8
175532	<5	<2	200	<1	34	300	<2	6.26	1.3	<1	<5	<5	7540	<30	0.4	32	<5	<0.01	<1	1.2
175533	10	<2	100	<1	100	2600	<2	8.10	0.6	<1	<5	<5	570	<30	<0.2	13	<5	<0.01	<1	<0.5
175534	<5	<2	610	<1	15	86	<2	1.60	3.1	<1	<5	<5	32100	60	0.3	5.8	<5	<0.01	<1	4.2
175535	<5	<2	600	<1	13	86	<2	2.15	3.4	<1	<5	<5	17100	63	<0.2	9.8	<5	<0.01	<1	4.4
175536	<5	2	190	<1	9	88	<2	2.57	2.9	<1	<5	<5	16000	41	0.3	5.3	<5	<0.01	<1	3.5
175537	<5	19	1400	<1	10	74	4	1.66	3.4	<1	<5	<5	29300	120	0.4	5.4	<5	<0.01	<1	14
175538	<5	50	1200	<1	5	75	4	2.33	4.4	<1	<5	<5	33300	84	0.4	5.6	<5	<0.01	<1	16
175539	<5	3	<100	<1	48	230	11	6.94	1.4	<1	<5	<5	28500	39	0.3	32	<5	<0.01	<1	<0.5
175540	<5	3	200	<1	40	370	<2	5.54	1.6	<1	<5	<5	13800	<30	0.7	33	<5	<0.01	<1	1.2

Activation Laboratories Ltd. Work Order: 4180 Report: 4178

Sample description	U PPM	W PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
175056	<0.5	<4	6	12	6	1.9	0.8	<0.5	3.13	0.49	30.00
175057	<0.5	<4	10	22	11	3.0	1.3	0.9	3.54	0.56	30.00
175058	<0.5	<4	4	10	<5	1.3	0.8	0.5	2.52	0.38	30.00
175059	1.7	<4	10	16	6	0.6	0.3	<0.5	0.22	<0.05	30.00
175060	<0.5	<4	2	8	<5	1.3	0.6	<0.5	2.16	0.34	30.00
175501	<0.5	<4	7	18	9	2.9	1.2	1.1	3.98	0.61	30.00
175502	0.6	<4	25	46	15	3.0	0.9	<0.5	1.24	0.16	30.00
175503	1.3	<4	19	37	10	2.4	0.9	<0.5	1.07	0.15	30.00
175504	1.7	<4	34	70	25	4.3	1.2	<0.5	1.76	0.29	30.00
175505	<0.5	<4	2	8	5	1.3	0.6	<0.5	1.59	0.29	30.00
175506	<0.5	<4	9	20	9	2.2	0.8	<0.5	2.46	0.37	30.00
175507	<0.5	5	7	14	7	2.3	0.8	0.7	2.33	0.38	30.00
175508	1.3	<4	41	57	13	2.9	1.1	<0.5	2.32	0.34	30.00
175509	1.2	<4	17	30	11	2.2	1.0	<0.5	2.60	0.38	30.00
175510	3.6	<4	110	200	67	11	3.1	<0.5	0.99	0.12	30.00
175511	4.9	<4	24	40	11	1.6	0.6	<0.5	0.25	0.06	30.00
175512	11	<4	210	430	160	23	7.1	1.6	3.10	0.44	30.00
175513	4.8	<4	110	200	57	7.7	2.1	0.9	1.83	0.31	30.00
175514	5.3	<4	140	250	67	8.9	2.4	<0.5	2.46	0.35	30.00
175515	1.6	<4	20	37	8	1.7	0.7	<0.5	1.06	0.16	30.00
175516	<0.5	<4	4	13	7	0.9	0.4	<0.5	1.10	0.17	30.00
175517	<0.5	<4	8	19	7	1.9	0.6	<0.5	1.86	0.29	30.00
175518	1.4	<4	7	13	7	1.6	0.6	0.6	2.22	0.34	30.00
175519	<0.5	<4	5	10	5	1.7	0.7	<0.5	1.87	0.29	30.00
175520	<0.5	<4	5	12	5	1.7	0.7	0.7	2.16	0.34	30.00
175521	<0.5	<4	4	9	6	1.5	0.6	<0.5	2.04	0.31	30.00
175522	<0.5	<4	6	16	10	2.5	1.0	<0.5	3.01	0.44	30.00
175523	<0.5	<4	7	16	<5	2.8	1.2	<0.5	4.04	0.60	30.00
175524	<0.5	<4	5	14	6	1.8	0.8	<0.5	2.38	0.36	30.00
175525	<0.5	<4	5	11	<5	1.5	0.7	<0.5	2.15	0.37	30.00
175526	<0.5	<4	7	16	6	1.9	0.7	<0.5	2.52	0.39	30.00
175527	1.2	<4	18	33	13	2.1	0.6	<0.5	0.72	0.15	30.00
175528	1.3	<4	4	10	7	1.9	0.9	0.8	2.89	0.43	30.00
175529	1.7	<4	21	42	14	2.7	1.0	<0.5	1.06	0.20	30.00
175530	<0.5	<4	12	28	12	2.5	1.0	<0.5	1.43	0.23	30.00
175531	<0.5	<4	6	16	9	2.6	1.2	0.7	3.62	0.53	30.00
175532	<0.5	<4	4	10	5	1.3	0.4	<0.5	1.55	0.24	30.00
175533	<0.5	<4	2	3	<5	0.5	0.2	<0.5	0.67	0.10	30.00
175534	3.0	<4	110	170	41	4.6	0.8	<0.5	0.62	0.10	30.00
175535	<0.5	<4	24	50	17	3.1	1.1	<0.5	1.15	0.18	30.00
175536	0.8	<4	19	37	16	2.4	0.8	<0.5	0.97	0.13	30.00
175537	4.4	<4	61	110	34	5.1	1.6	<0.5	0.84	0.10	30.00
175538	4.3	<4	44	77	24	3.9	1.4	<0.5	0.62	0.10	30.00
175539	<0.5	<4	2	6	<5	1.1	0.5	<0.5	1.86	0.32	30.00
175540	<0.5	<4	6	13	9	1.8	0.8	<0.5	2.18	0.36	30.00

Activation Laboratories Ltd. Work Order: 4180 Report: 4178

Sample description	AU PPB	AS PPM	BA PPM	BR PPM	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPB	IR PPB	MO PPM	NA PPM	RB PPM	SB PPM	SC PPM	SE PPM	SN %	TA PPM	TH PPM
175541	<5	4	<100	<1	37	350	<2	6.01	1.5	<1	<5	<5	8290	<30	<0.2	33	<5	<0.01	<1	0.8
175542	<5	13	<100	3	31	330	<2	5.19	2.0	<1	<5	<5	14700	<30	3.9	36	<5	<0.01	<1	1.6
175543	10	5	260	<1	40	100	<2	8.59	1.9	<1	<5	<5	14400	<30	0.2	36	<5	<0.01	<1	1.1
175544	<5	<2	<100	<1	<5	30	<2	1.30	36	<1	<5	<5	61900	66	<0.2	0.5	<5	<0.01	2	47
175545	<5	2	350	<1	21	220	3	6.23	0.9	<1	<5	95	21500	32	<0.2	12	<5	<0.01	<1	12
175546	<5	<2	210	11	49	290	<2	8.25	1.4	<1	<5	<5	11600	<30	0.3	38	<5	<0.01	<1	<0.5
175547	<5	<2	110	<1	42	160	<2	6.98	1.6	<1	<5	<5	19800	<30	0.4	35	<5	<0.01	<1	<0.5
175548	5	5	<100	<1	49	610	<2	6.60	2.2	<1	<5	<5	7810	<30	<0.2	24	<5	<0.01	<1	1.5
175549	<5	<2	830	<1	<5	57	2	0.68	2.7	<1	<5	<5	33700	76	<0.2	1.5	<5	<0.01	<1	2.9
175550	<5	<2	1700	<1	<5	64	3	0.73	2.3	<1	<5	<5	32800	91	<0.2	1.2	<5	<0.01	<1	2.3
175551	<5	<2	860	<1	<5	79	4	1.15	3.0	<1	<5	<5	33300	75	<0.2	2.8	<5	<0.01	<1	4.3
175552	<5	2	300	<1	27	160	2	4.77	2.8	<1	<5	<5	21500	35	<0.2	30	<5	<0.01	<1	2.2
175553	<5	<2	170	<1	31	320	9	5.24	1.7	<1	<5	<5	23200	49	0.3	23	<5	<0.01	<1	1.9
175554	<5	<2	270	2	13	76	4	3.75	3.5	<1	<5	<5	25400	170	<0.2	12	<5	<0.01	1	10
175555	<5	<2	<100	<1	30	340	<2	5.72	2.4	<1	<5	<5	16700	<30	<0.2	29	<5	<0.01	<1	2.3
175556	<5	13	160	<1	30	390	<2	4.16	2.6	<1	<5	<5	17200	<30	<0.2	22	<5	<0.01	<1	2.8
175557	<5	24	270	<1	29	300	<2	3.22	2.6	<1	<5	<5	22200	<30	<0.2	25	<5	<0.01	<1	2.3
175558	<5	<2	<100	<1	26	320	<2	4.68	2.0	<1	<5	<5	20300	<30	<0.2	25	<5	<0.01	<1	2.2
175559	<5	<2	210	<1	38	240	<2	5.01	2.0	<1	<5	<5	14700	<30	<0.2	25	<5	<0.01	<1	2.0
175560	<5	13	160	<1	41	390	<2	4.12	1.1	<1	<5	<5	13000	<30	0.3	28	<5	<0.01	<1	<0.5

Activation Laboratories Ltd. **Work Order: 4180** **Report: 4178**

Sample description	U PPM	W PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
175541	<0.5	<4	5	13	8	1.7	0.7	<0.5	2.34	0.34	30.00
175542	1.2	<4	7	19	9	1.9	0.9	<0.5	2.38	0.34	30.00
175543	<0.5	<4	6	16	7	2.7	1.1	1.0	3.59	0.54	30.00
175544	4.3	<4	20	39	9	1.8	0.8	1.0	1.14	0.15	30.00
175545	6.0	<4	44	67	16	3.3	1.3	<0.5	1.20	0.19	30.00
175546	<0.5	<4	3	10	<5	1.6	0.7	0.7	2.42	0.40	30.00
175547	<0.5	<4	4	10	<5	2.2	1.0	<0.5	2.54	0.37	30.00
175548	1.7	<4	5	15	<5	1.7	0.8	<0.5	2.03	0.34	30.00
175549	2.0	<4	5	9	<5	0.9	0.5	<0.5	0.33	<0.05	30.00
175550	1.2	<4	7	15	<5	0.9	0.5	<0.5	0.23	<0.05	30.00
175551	<0.5	<4	26	46	16	2.3	0.8	<0.5	0.35	<0.05	30.00
175552	<0.5	<4	10	17	10	2.1	0.8	<0.5	2.31	0.35	30.00
175553	<0.5	<4	8	16	8	1.8	0.7	<0.5	2.04	0.30	30.00
175554	3.2	<4	44	86	26	4.9	1.6	<0.5	1.50	0.29	30.00
175555	<0.5	<4	9	22	7	2.1	0.9	<0.5	2.15	0.33	30.00
175556	<0.5	<4	9	19	5	2.0	0.8	<0.5	2.02	0.27	30.00
175557	<0.5	<4	9	21	11	2.2	0.9	<0.5	1.77	0.32	30.00
175558	<0.5	<4	9	16	6	2.1	0.8	0.5	1.90	0.30	30.00
175559	<0.5	<4	8	17	8	2.0	0.8	<0.5	2.00	0.30	30.00
175560	<0.5	<4	4	10	6	1.4	0.7	<0.5	1.60	0.20	30.00

Activation Laboratories Ltd. **Work Order: 4180** **Report: 4178B**

Sample description	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	MN PPM	SR PPM	CD PPM	BI PPM	V PPM	CA %	P %	MG %	TI %	AL %	K %	Y PPM	BE PPM
175541	77.	8.	78.	<0.3	165.	1339.	112.	<0.5	<5.	227.	8.82	0.030	3.39	0.45	8.15	0.23	23.	<2.
175542	81.	12.	72.	<0.3	101.	1460.	123.	<0.5	<5.	227.	6.43	0.027	4.28	0.43	7.66	0.24	22.	<2.
175543	97.	5.	139.	<0.3	67.	2441.	152.	<0.5	<5.	317.	5.32	0.055	2.95	0.85	6.75	0.22	35.	<2.
175544	20.	15.	14.	<0.3	3.	338.	29.	<0.5	<5.	21.	0.45	0.002	0.07	0.17	9.77	1.13	6.	3.
175545	332.	24.	98.	<0.3	50.	1570.	675.	<0.5	<5.	232.	6.85	0.013	3.93	0.45	6.97	0.69	17.	6.
175546	56.	9.	142.	<0.3	178.	3035.	101.	0.5	<5.	269.	4.71	0.029	3.04	0.55	7.74	0.77	20.	<2.
175547	96.	13.	137.	<0.3	128.	2761.	155.	<0.5	<5.	307.	9.30	0.039	2.74	0.68	9.53	0.25	24.	<2.
175548	45.	<5.	86.	<0.3	411.	1973.	133.	<0.5	<5.	165.	8.25	0.027	7.55	0.31	6.90	0.21	23.	<2.
175549	1.	14.	20.	<0.3	7.	139.	668.	<0.5	<5.	11.	1.12	0.012	0.21	0.08	7.34	2.75	4.	<2.
175550	7.	1747.	30.	<0.3	5.	128.	854.	<0.5	<5.	10.	1.09	0.017	0.19	0.09	7.81	3.23	2.	<2.
175551	3.	21.	42.	<0.3	5.	295.	727.	<0.5	<5.	22.	1.31	0.033	0.41	0.15	8.33	2.50	5.	<2.
175552	189.	22.	89.	<0.3	104.	1407.	402.	<0.5	<5.	200.	10.30	0.034	4.52	0.39	7.75	0.80	25.	2.
175553	131.	15.	79.	0.3	135.	1047.	366.	<0.5	<5.	154.	7.81	0.027	5.56	0.31	9.45	1.02	19.	<2.
175554	97.	24.	58.	<0.3	35.	1271.	734.	<0.5	<5.	110.	5.06	0.073	0.61	0.32	7.45	4.38	20.	7.
175555	118.	25.	126.	<0.3	128.	1980.	141.	<0.5	<5.	219.	5.16	0.041	3.47	0.49	7.61	0.17	20.	<2.
175556	66.	6.	84.	<0.3	132.	1570.	146.	<0.5	<5.	194.	6.26	0.038	3.89	0.52	8.39	0.12	18.	<2.
175557	85.	13.	46.	<0.3	106.	1270.	106.	<0.5	<5.	191.	5.00	0.038	3.70	0.53	8.32	0.43	19.	<2.
175558	54.	9.	67.	<0.3	106.	1318.	93.	<0.5	<5.	166.	5.72	0.030	4.07	0.43	6.75	0.08	20.	<2.
175559	146.	10.	87.	<0.3	147.	1663.	138.	<0.5	<5.	212.	7.62	0.038	4.83	0.49	7.85	0.32	23.	<2.
175560	122.	6.	82.	<0.3	256.	2017.	136.	<0.5	<5.	241.	10.47	0.034	3.89	0.56	9.63	0.10	17.	<2.

Activation Laboratories Ltd. Work Order: 4306 Report: 4282

Sample description	AU PPB	AS PPM	BA PPM	BR PPM	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	RB PPM	SB PPM	SC PPM	SE PPM	SN %	TA PPM	TH PPM	U PPM	W PPM	LA PPM	CE PPM
174581	<5	<2	2200	<1	<5	22	<2	1.90	5.1	<1	<5	<5	23000	260	<0.2	0.8	<5	<0.01	<1	6.2	2.0	<4	73	130
174582	<5	<2	1200	2	48	300	<2	8.34	1.6	<1	<5	<5	20200	<30	1.0	39	<5	<0.02	<1	0.9	<0.5	<4	4	12
174583	<5	<2	300	<1	50	250	14	8.09	2.3	<1	<5	<5	20300	42	3.8	41	<5	<0.02	<1	0.7	<0.5	<4	4	13
174584	14	<2	<100	3	53	350	<2	5.96	1.4	<1	<5	<5	10300	<30	0.5	42	<5	<0.02	<1	<0.5	<0.5	<4	3	12
174585	<5	<2	250	<1	47	200	<2	5.12	2.3	<1	<5	<5	22600	<30	<0.2	45	<5	<0.02	<1	<0.5	<0.5	<4	5	11
174586	<5	<2	<100	8	43	370	<2	5.00	2.0	<1	<5	<5	7420	<30	0.3	41	<5	<0.01	<1	<0.5	<0.5	<4	5	12
174587	<5	<2	350	2	<5	110	<2	1.15	5.0	<1	<5	<5	7230	91	0.3	13	<5	<0.01	<1	5.6	1.5	<4	28	53
174588	<5	<2	410	<1	26	84	4	8.33	4.5	<1	<5	<5	7540	50	0.4	26	<5	<0.01	1	2.8	<0.5	<4	31	67
174589	7	3	1000	<1	<5	37	3	1.94	2.9	<1	<5	<5	35500	160	0.4	1.1	<5	<0.01	<1	2.7	1.7	<4	22	57
174590	<5	<2	2500	20	7	100	<2	2.63	3.4	<1	<5	<5	34800	67	<0.2	6.2	<5	<0.02	<1	4.2	<0.5	<4	41	69
174591	<5	<2	210	<1	6	70	2	2.61	3.6	<1	<5	<5	28500	50	0.3	11	<5	<0.01	<1	4.4	<0.5	<4	28	53
174592	<5	<2	340	<1	11	140	5	3.48	4.4	<1	<5	<5	27800	<30	<0.2	8.8	<5	<0.01	<1	5.1	1.2	<4	27	45
174593	<5	<2	250	<1	23	64	2	7.03	4.2	<1	<5	<5	32100	<30	<0.2	16	<5	<0.01	2	3.7	<0.5	<4	19	38
174594	<5	<2	540	<1	27	81	<2	5.71	3.8	<1	<5	<5	26400	42	0.3	18	<5	<0.01	<1	4.0	1.2	<4	22	43
174595	<5	<2	<100	<1	36	150	<2	9.33	2.4	<1	<5	<5	13300	<30	0.9	37	<5	<0.01	<1	0.6	<0.5	<4	7	16
174596	<5	4	340	<1	53	150	<2	8.71	2.5	<1	<5	<5	14800	38	0.6	33	<5	<0.01	<1	<0.5	<0.5	<4	7	18
174597	6	<2	140	<1	45	270	<2	7.87	3.2	<1	<5	<5	27900	<30	<0.2	42	<5	<0.02	<1	1.0	<0.5	<4	6	19
174598	<5	<2	170	<1	6	110	<2	2.58	3.9	<1	<5	<5	26900	<30	<0.2	7.7	<5	<0.01	<1	5.1	<0.5	<4	20	37
174599	8	3	330	2	50	220	<2	4.87	3.8	<1	<5	<5	39700	<30	<0.2	47	<5	<0.02	<1	0.9	<0.5	<4	8	17
174600	<5	5	100	<1	29	210	<2	7.43	1.8	<1	<5	<5	23800	<30	0.6	38	<5	<0.02	<1	<0.5	<0.5	<4	5	16
175061	<5	<2	300	<1	47	330	<2	9.57	1.8	<1	8	<5	12700	<30	<0.2	47	<5	<0.02	<1	<0.5	<0.5	<4	3	7
175062	<5	<2	200	<1	43	210	<2	8.38	1.7	<1	<5	<5	11200	42	0.7	41	<5	<0.01	<1	<0.5	<0.5	<4	4	13
175063	<5	<2	240	<1	49	250	<2	7.66	2.4	<1	<5	<5	18200	<30	0.2	45	<5	<0.01	<1	<0.5	<0.5	<4	4	9
175064	<5	<2	100	<1	42	250	<2	7.94	1.6	<1	<5	<5	11100	<30	0.9	43	<5	<0.01	<1	0.6	<0.5	<4	4	12
175065	<5	<2	310	<1	34	320	<2	5.89	2.8	<1	<5	<5	14800	<30	0.2	34	<5	<0.01	<1	2.5	1.2	<4	10	24
175066	<5	<2	<100	<1	36	370	<2	4.96	2.9	<1	<5	<5	15600	<30	0.3	32	<5	<0.01	<1	2.5	<0.5	<4	10	25
175067	<5	<2	<100	<1	38	93	<2	5.51	3.0	<1	<5	<5	27300	<30	<0.2	42	<5	<0.02	<1	1.2	<0.5	<4	7	16
175068	<5	11	400	<1	37	110	<2	12.3	3.3	<1	<5	<5	2440	55	0.6	98	<5	<0.02	<1	1.3	<0.5	<4	5	9
175069	6	3	190	2	44	99	2	4.20	2.9	<1	<5	<5	24000	<30	0.5	37	<5	<0.01	<1	1.3	<0.5	<4	8	17
175070	<5	<2	160	<1	41	110	<2	5.18	3.6	<1	<5	<5	17700	<30	0.5	40	<5	<0.01	<1	1.7	1.2	<4	8	19
175071	<5	7	250	<1	52	140	<2	1.07	2.9	<1	<5	<5	31300	<30	1.0	32	<5	<0.01	<1	1.5	<0.5	<4	7	12
175072	<5	4	220	<1	41	110	<2	4.02	2.6	<1	<5	<5	20800	<30	0.3	42	<5	<0.01	<1	1.4	<0.5	<4	8	21
175073	<5	9	230	<1	42	110	3	5.72	3.1	<1	<5	<5	22400	38	0.6	41	<5	<0.01	<1	1.3	<0.5	<4	10	19
175074	10	4	270	<1	61	370	<2	2.67	1.7	<1	<5	<5	18200	<30	0.5	40	<5	<0.01	<1	0.6	<0.5	<4	2	8
175075	<5	<2	250	<1	31	460	<2	1.31	1.6	<1	<5	<5	22900	<30	0.7	36	<5	<0.01	<1	<0.5	<0.5	<4	4	9
175076	<5	<2	480	<1	84	280	2	9.59	2.3	<1	<5	<5	18000	<30	<0.2	53	<5	<0.02	<1	0.8	<0.5	<4	11	26
175077	<5	<2	<100	4	42	230	<2	12.1	2.3	<1	<5	<5	6440	<30	0.3	64	<5	<0.02	1	1.3	<0.5	<4	14	34
175078	<5	<2	310	<1	71	550	3	5.04	2.7	<1	<5	<5	14800	53	0.3	32	<5	<0.01	2	3.9	1.3	<4	15	33
175079	<5	<2	1500	<1	12	74	6	3.63	6.4	<1	<5	INT	38600	140	<0.2	10	<5	<0.01	<1	11	4.9	<4	49	92
175080	<5	<2	470	3	24	330	2	6.08	2.5	<1	<5	<5	18100	<30	0.3	19	<5	<0.01	<1	2.2	0.9	<4	14	30
175081	<5	<2	360	<1	44	180	<2	10.5	3.2	<1	<5	<5	16100	<30	<0.2	41	<5	<0.02	<1	<0.5	<0.5	<4	7	18
175082	<5	<2	600	<1	11	170	2	2.50	4.4	<1	<5	<5	16000	76	0.2	12	<5	<0.01	<1	4.2	1.0	<4	27	52
175083	<5	<2	<100	<1	42	300	3	10.9	1.6	<1	<5	<5	24700	<30	<0.2	42	<5	<0.02	<1	<0.5	<0.5	<4	3	10
175084	<5	3	590	<1	<5	19	2	1.87	4.9	<1	<5	<5	23200	270	1.3	0.5	<5	<0.01	<1	8.0	<0.5	10	40	87
175085	12	<2	1100	<1	15	32	4	4.72	15	<1	<5	<5	43500	130	0.2	3.6	<5	<0.02	<1	14	2.0	<4	65	170

Activation Laboratories Ltd. Work Order: 4306 Report: 4282

Sample description	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
174581	49	8.7	2.6	0.6	0.75	0.13	20.00
174582	<5	2.0	1.0	<0.5	2.11	0.43	30.00
174583	<5	2.0	0.6	<0.5	3.12	0.47	30.00
174584	<5	2.0	0.9	<0.5	2.07	0.32	30.00
174585	12	2.6	1.0	<0.5	2.83	0.50	30.00
174586	6	2.1	0.8	0.8	1.93	0.33	30.00
174587	13	2.6	1.1	<0.5	0.85	0.12	30.00
174588	26	5.7	1.7	1.1	4.42	0.70	30.00
174589	30	6.5	2.1	<0.5	0.84	0.11	30.00
174590	19	3.6	1.1	<0.5	1.21	0.21	30.00
174591	22	3.4	1.2	<0.5	1.69	0.24	30.00
174592	16	2.7	1.0	<0.5	0.85	0.18	30.00
174593	17	3.6	1.1	0.8	2.68	0.42	30.00
174594	20	3.7	1.4	<0.5	2.25	0.38	30.00
174595	6	2.8	1.0	0.5	3.80	0.69	30.00
174596	7	2.5	1.2	1.0	3.48	0.58	30.00
174597	12	2.8	1.0	0.9	4.10	0.64	30.00
174598	13	2.2	0.9	<0.5	0.89	0.16	30.00
174599	9	3.5	1.3	1.1	5.23	0.70	30.00
174600	5	2.3	1.0	<0.5	3.12	0.50	30.00
175061	<5	1.7	0.7	0.8	2.48	0.44	30.00
175062	6	2.1	1.0	<0.5	2.78	0.41	30.00
175063	8	1.9	0.8	<0.5	3.11	0.48	30.00
175064	<5	1.9	0.7	<0.5	3.34	0.48	30.00
175065	6	2.4	0.9	<0.5	2.87	0.48	30.00
175066	14	2.4	0.9	0.6	2.62	0.44	30.00
175067	6	2.5	0.7	<0.5	3.37	0.50	30.00
175068	<5	1.5	0.9	<0.5	2.32	0.41	30.00
175069	10	2.5	1.1	<0.5	2.55	0.40	30.00
175070	8	2.7	1.1	<0.5	3.36	0.49	30.00
175071	9	2.1	1.0	<0.5	1.50	0.21	30.00
175072	7	2.6	1.1	<0.5	2.98	0.43	30.00
175073	7	2.6	1.0	<0.5	3.15	0.49	30.00
175074	<5	1.2	0.5	<0.5	1.51	0.33	30.00
175075	<5	1.4	0.7	0.6	1.20	0.20	30.00
175076	14	2.9	0.9	0.7	4.32	0.67	30.00
175077	12	3.4	1.3	0.7	4.65	0.77	30.00
175078	11	2.8	1.0	<0.5	1.75	0.31	30.00
175079	34	6.5	2.0	<0.5	1.33	0.29	30.00
175080	12	3.0	1.0	<0.5	1.96	0.31	30.00
175081	<5	3.4	1.3	1.0	5.09	0.78	30.00
175082	21	3.3	1.2	<0.5	1.65	0.31	30.00
175083	6	1.9	0.8	<0.5	3.25	0.49	30.00
175084	54	18	6.1	2.3	3.30	0.42	30.00
175085	100	31	10.7	4.1	5.09	0.80	30.00

Activation Laboratories Ltd. Work Order: 4306 Report: 4282B

Sample description	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	MN PPM	SR PPM	CD PPM	BI PPM	V PPM	CA %	P %	MG %	TI %	AL %	K %	Y PPM	BE PPM
174581	3.	16.	40.	<0.3	2.	447.	864.	<0.5	<5.	81.	2.33	0.060	0.40	0.25	9.53	8.95	11.	7.
174582	73.	24.	117.	0.7	187.	1976.	689.	<0.5	<5.	281.	9.19	0.028	3.50	0.60	8.42	0.40	19.	<2.
174583	116.	16.	146.	0.4	162.	1643.	135.	<0.5	<5.	255.	8.67	0.033	5.05	0.58	8.25	0.71	23.	2.
174584	161.	10.	92.	<0.3	212.	1889.	77.	<0.5	<5.	327.	11.29	0.033	2.63	0.72	9.70	0.06	10.	<2.
174585	108.	14.	91.	<0.3	122.	2114.	141.	<0.5	<5.	343.	8.37	0.036	2.16	0.78	9.60	0.27	22.	<2.
174586	83.	10.	57.	0.5	177.	1650.	141.	<0.5	<5.	296.	12.35	0.030	2.33	0.62	9.67	0.07	17.	<2.
174587	21.	16.	40.	0.3	7.	1044.	139.	<0.5	<5.	68.	4.11	0.072	0.59	0.39	7.94	3.22	7.	<2.
174588	60.	11.	169.	0.4	52.	3282.	176.	<0.5	<5.	193.	7.92	0.157	2.42	0.91	7.84	1.20	36.	<2.
174589	29.	18.	23.	0.5	5.	313.	781.	<0.5	<5.	56.	2.28	0.042	0.32	0.18	9.87	6.25	10.	<2.
174590	6.	54.	116.	<0.3	33.	1031.	1249.	<0.5	<5.	58.	4.66	0.072	0.44	0.32	6.31	2.00	14.	<2.
174591	18.	12.	84.	0.4	24.	1945.	691.	<0.5	<5.	59.	14.27	0.085	1.20	0.40	9.50	0.56	17.	<2.
174592	31.	17.	83.	0.4	44.	586.	435.	<0.5	<5.	96.	3.58	0.073	0.84	0.53	8.44	1.05	8.	<2.
174593	39.	19.	124.	0.4	49.	1697.	396.	<0.5	<5.	144.	3.70	0.083	2.18	0.58	9.44	0.42	19.	<2.
174594	41.	14.	101.	0.5	55.	1154.	610.	<0.5	<5.	144.	5.14	0.101	2.06	0.57	9.12	0.79	18.	<2.
174595	44.	9.	103.	0.6	91.	1200.	214.	<0.5	<5.	300.	5.13	0.051	5.84	0.73	7.11	0.09	30.	<2.
174596	79.	7.	160.	0.6	249.	1221.	281.	<0.5	<5.	261.	7.13	0.050	4.94	0.66	8.05	0.28	26.	<2.
174597	69.	5.	118.	0.6	133.	1345.	369.	<0.5	<5.	330.	5.77	0.055	3.08	0.83	8.21	0.07	29.	<2.
174598	19.	19.	42.	<0.3	32.	496.	427.	<0.5	<5.	66.	3.53	0.070	1.53	0.38	8.10	0.30	11.	<2.
174599	98.	<5.	128.	0.7	167.	1529.	468.	<0.5	<5.	397.	7.59	0.071	1.96	1.02	9.37	0.69	36.	<2.
174600	85.	13.	117.	<0.3	67.	1256.	409.	<0.5	<5.	314.	7.60	0.048	3.85	0.73	8.62	0.36	25.	<2.
175061	34.	<5.	109.	0.6	179.	1616.	135.	<0.5	<5.	284.	8.71	0.026	5.93	0.52	7.96	0.34	19.	<2.
175062	196.	8.	108.	0.6	140.	1660.	291.	<0.5	<5.	363.	9.50	0.031	2.62	0.67	9.60	0.47	10.	<2.
175063	155.	9.	96.	0.6	153.	2383.	113.	<0.5	<5.	341.	6.66	0.037	2.35	0.56	8.17	0.55	20.	<2.
175064	153.	7.	97.	0.6	140.	1657.	194.	<0.5	<5.	317.	8.16	0.032	3.87	0.63	8.71	0.17	22.	<2.
175065	50.	<5.	86.	<0.3	120.	1958.	166.	<0.5	7.	232.	7.42	0.033	5.09	0.51	7.85	0.42	25.	<2.
175066	87.	<5.	82.	0.7	142.	1377.	125.	<0.5	<5.	213.	7.89	0.036	5.58	0.47	7.67	0.17	20.	<2.
175067	106.	5.	100.	0.7	98.	1397.	110.	<0.5	<5.	296.	7.76	0.057	3.17	0.22	8.58	0.29	24.	<2.
175068	63.	18.	158.	1.5	129.	1047.	48.	<0.5	<5.	394.	1.69	0.041	5.47	0.09	9.05	0.87	19.	<2.
175069	110.	<5.	73.	0.3	98.	797.	125.	<0.5	<5.	313.	5.08	0.052	2.11	0.20	8.41	0.68	19.	<2.
175070	87.	12.	89.	0.4	92.	1007.	113.	<0.5	<5.	301.	6.18	0.050	2.92	0.16	7.98	0.22	24.	<2.
175071	129.	12.	32.	0.4	155.	122.	185.	<0.5	<5.	255.	4.51	0.042	0.52	0.21	8.21	0.84	10.	<2.
175072	103.	10.	78.	0.4	84.	812.	122.	<0.5	<5.	323.	5.17	0.051	2.46	0.90	8.28	1.07	20.	<2.
175073	92.	15.	106.	0.4	95.	996.	512.	<0.5	<5.	350.	5.58	0.046	2.95	0.87	8.51	0.68	22.	<2.
175074	151.	<5.	42.	0.4	215.	545.	154.	<0.5	6.	287.	5.64	0.026	1.19	0.21	8.85	0.88	12.	<2.
175075	116.	<5.	16.	<0.3	145.	202.	199.	<0.5	<5.	225.	5.12	0.017	0.88	0.14	9.18	0.91	7.	<2.
175076	245.	<5.	110.	<0.3	267.	2917.	385.	<0.5	<5.	334.	7.93	0.060	3.05	0.65	9.35	0.59	29.	<2.
175077	62.	8.	200.	0.6	64.	2744.	182.	<0.5	<5.	350.	10.65	0.063	3.49	0.68	7.33	0.27	41.	<2.
175078	103.	5.	87.	<0.3	232.	2268.	402.	<0.5	<5.	255.	6.06	0.066	2.12	0.40	8.42	1.52	16.	<2.
175079	47.	41.	95.	0.5	19.	832.	1179.	<0.5	<5.	111.	3.38	0.156	1.85	0.33	8.07	4.21	20.	3.
175080	82.	11.	153.	<0.3	99.	1366.	246.	<0.5	<5.	162.	4.93	0.081	2.94	0.43	7.46	1.21	19.	<2.
175081	119.	<5.	147.	0.8	99.	2365.	210.	<0.5	<5.	356.	6.51	0.061	2.86	0.94	7.82	0.57	41.	<2.
175082	42.	10.	173.	0.4	40.	851.	135.	<0.5	6.	105.	3.00	0.050	0.94	0.41	8.28	3.64	14.	<2.
175083	77.	5.	150.	<0.3	144.	2231.	114.	<0.5	<5.	288.	4.58	0.033	5.06	0.58	8.08	0.24	25.	<2.
175084	19.	10.	50.	<0.3	3.	341.	470.	<0.5	<5.	92.	1.74	0.042	0.28	0.20	10.06	8.42	31.	5.
175085	141.	10.	97.	0.6	10.	946.	522.	<0.5	<5.	151.	7.87	0.253	2.04	0.72	9.42	5.10	103.	3.

Activation Laboratories Ltd. Work Order: 4180 Report: 4178B

Sample description	CU PPM	PB PPM	SN PPM	AG PPM	NI PPM	MN PPM	SR PPM	CD PPM	BI PPM	V PPM	CA %	P %	MG %	TI %	AL %	K %	Y PPM	BE PPM
175056	74.	9.	143.	0.3	96.	3090.	145.	0.5	<5.	274.	9.20	0.030	5.30	0.64	5.78	0.64	35.	<2.
175057	107.	<5.	89.	<0.3	91.	2471.	192.	0.7	<5.	341.	9.34	0.052	3.23	1.01	8.29	1.19	34.	<2.
175058	44.	9.	74.	0.6	158.	2463.	215.	<0.5	<5.	237.	11.10	0.011	5.12	0.42	6.83	0.82	24.	<2.
175059	5.	14.	23.	<0.3	5.	122.	658.	<0.5	<5.	8.	0.95	0.012	0.17	0.08	7.15	3.21	1.	<2.
175060	125.	5.	91.	<0.3	221.	2106.	125.	<0.5	<5.	277.	10.25	0.026	3.83	0.61	8.39	0.14	22.	<2.
175501	115.	<5.	137.	<0.3	31.	1697.	242.	0.5	<5.	499.	6.49	0.062	3.64	1.28	6.23	0.32	42.	<2.
175502	32.	<5.	73.	<0.3	49.	961.	250.	<0.5	<5.	78.	2.50	0.076	1.69	0.54	6.94	2.51	14.	<2.
175503	37.	<5.	53.	<0.3	43.	515.	405.	<0.5	<5.	95.	3.78	0.072	1.49	0.49	7.18	0.90	12.	<2.
175504	22.	<5.	53.	<0.3	12.	885.	189.	<0.5	<5.	46.	2.68	0.098	0.68	0.52	7.22	2.49	20.	<2.
175505	184.	6.	106.	1.0	191.	1691.	222.	<0.5	<5.	309.	8.48	0.029	2.86	0.59	10.16	0.33	19.	<2.
175506	81.	<5.	83.	<0.3	102.	1313.	164.	<0.5	<5.	208.	8.59	0.044	5.20	0.47	7.81	0.26	31.	<2.
175507	13.	<5.	113.	0.8	186.	2941.	383.	0.6	<5.	270.	11.80	0.047	2.33	0.77	9.44	0.38	30.	<2.
175508	71.	6.	122.	0.6	193.	3770.	579.	<0.5	<5.	258.	9.23	0.050	2.34	0.70	8.76	0.86	30.	<2.
175509	84.	7.	145.	0.7	172.	2571.	576.	<0.5	<5.	255.	7.91	0.050	3.17	0.71	8.62	1.36	25.	<2.
175510	36.	28.	133.	<0.3	18.	1097.	2317.	<0.5	<5.	109.	4.04	0.179	1.00	0.32	8.87	7.49	22.	5.
175511	10.	37.	40.	<0.3	4.	174.	597.	<0.5	<5.	16.	1.14	0.025	0.23	0.13	7.78	3.45	4.	3.
175512	35.	70.	499.	<0.3	30.	2228.	1833.	0.6	<5.	126.	6.47	0.330	1.09	0.22	5.97	2.82	68.	9.
175513	95.	24.	462.	<0.3	43.	1836.	866.	1.1	<5.	63.	2.71	0.048	1.11	0.15	3.85	1.49	26.	10.
175514	109.	8.	357.	<0.3	67.	2609.	1140.	1.5	<5.	97.	3.83	0.053	1.87	0.13	2.95	0.25	35.	10.
175515	20.	6.	52.	<0.3	18.	1105.	875.	<0.5	<5.	36.	3.38	0.042	1.15	0.24	6.61	0.84	12.	<2.
175516	56.	<5.	104.	<0.3	165.	1452.	102.	<0.5	<5.	135.	7.46	0.019	7.71	0.17	8.35	0.25	12.	<2.
175517	80.	<5.	59.	<0.3	70.	1290.	152.	<0.5	<5.	176.	5.72	0.042	3.00	0.15	7.44	1.01	8.	<2.
175518	68.	<5.	71.	<0.3	113.	1572.	112.	<0.5	<5.	193.	5.59	0.039	3.51	0.13	7.53	0.43	10.	<2.
175519	71.	<5.	104.	<0.3	234.	1794.	179.	<0.5	<5.	279.	6.59	0.037	6.55	0.57	9.76	0.07	24.	<2.
175520	117.	<5.	79.	0.8	223.	1687.	122.	<0.5	<5.	236.	8.33	0.038	2.75	0.53	8.96	0.63	22.	<2.
175521	140.	7.	110.	0.4	110.	2091.	209.	0.6	<5.	284.	6.03	0.039	5.30	0.56	8.09	0.11	24.	<2.
175522	117.	<5.	77.	0.4	126.	1163.	237.	<0.5	<5.	374.	4.86	0.066	2.28	0.93	9.34	0.35	30.	<2.
175523	81.	<5.	115.	0.3	39.	1371.	217.	0.5	<5.	401.	5.50	0.074	3.86	1.03	6.89	0.08	41.	<2.
175524	110.	<5.	101.	<0.3	112.	1874.	94.	<0.5	<5.	310.	5.58	0.042	6.83	0.60	8.41	0.11	26.	<2.
175525	107.	7.	93.	0.4	191.	3810.	115.	<0.5	<5.	222.	9.37	0.040	3.31	0.50	8.70	0.36	24.	<2.
175526	79.	441.	83.	<0.3	103.	1975.	131.	<0.5	<5.	237.	7.38	0.030	6.12	0.45	8.31	0.15	28.	<2.
175527	46.	<5.	121.	0.6	16.	1014.	283.	<0.5	<5.	59.	4.08	0.043	1.22	0.11	7.56	0.55	10.	<2.
175528	88.	<5.	95.	0.4	114.	1354.	162.	<0.5	<5.	270.	6.92	0.042	4.53	0.64	7.81	0.13	31.	<2.
175529	104.	<5.	51.	0.4	93.	861.	161.	<0.5	<5.	109.	5.57	0.078	0.81	0.43	7.72	2.16	16.	<2.
175530	69.	<5.	146.	<0.3	94.	849.	514.	<0.5	<5.	138.	3.53	0.052	2.51	0.60	8.96	1.13	15.	<2.
175531	70.	<5.	139.	0.5	69.	1854.	136.	0.6	<5.	369.	6.26	0.059	3.85	0.94	7.72	0.05	36.	<2.
175532	81.	<5.	82.	<0.3	124.	1330.	255.	<0.5	<5.	250.	7.22	0.025	6.09	0.46	8.05	0.39	17.	<2.
175533	60.	<5.	40.	<0.3	1434.	1496.	40.	<0.5	<5.	65.	2.31	0.013	19.37	0.15	1.66	0.07	6.	<2.
175534	92.	<5.	20.	<0.3	48.	451.	229.	<0.5	<5.	58.	2.98	0.057	1.25	0.25	7.45	2.47	11.	<2.
175535	46.	6.	44.	1.1	62.	650.	200.	<0.5	<5.	88.	3.02	0.024	0.46	0.44	7.61	2.12	12.	<2.
175536	14.	6.	64.	<0.3	26.	956.	168.	<0.5	<5.	54.	2.66	0.073	0.61	0.27	6.74	1.22	11.	<2.
175537	14.	16.	62.	0.5	35.	304.	619.	<0.5	<5.	53.	1.63	0.088	1.01	0.27	8.80	2.84	11.	2.
175538	50.	22.	41.	<0.3	17.	272.	507.	<0.5	<5.	59.	0.56	0.085	1.09	0.26	7.76	2.48	7.	<2.
175539	108.	<5.	65.	0.5	239.	1267.	73.	<0.5	<5.	244.	2.91	0.030	4.72	0.53	7.79	0.53	14.	<2.
175540	99.	12.	96.	0.4	212.	1721.	130.	<0.5	<5.	258.	8.13	0.033	3.55	0.55	8.80	0.36	24.	<2.

Activation Laboratories Ltd. Work Order: 4306 Report: 4282

Sample description	AU PPB	AS PPM	BA PPM	BR PPM	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	RB PPM	SB PPM	SC PPM	SE PPM	SN %	TA PPM	TH PPM	U PPM	W PPM	LA PPM	CE PPM
175086	<5	<2	620	<1	<5	110	<2	1.50	5.0	<1	<5	<5	29900	49	<0.2	3.2	<5	<0.01	<1	5.7	<0.5	<4	20	33
175087	<5	<2	360	<1	39	400	2	5.88	3.3	<1	<5	<5	17300	<30	0.2	36	<5	<0.01	<1	2.5	<0.5	<4	11	24
175088	<5	6	180	<1	46	300	<2	4.58	1.6	<1	<5	<5	21200	<30	<0.2	46	<5	<0.02	<1	<0.5	<0.5	<4	3	11
175089	<5	<2	100	6	33	220	2	5.43	5.0	<1	<5	<5	19200	<30	<0.2	29	<5	<0.01	1	4.7	1.4	<4	17	37
175090	<5	<2	100	2	51	170	<2	7.35	2.6	<1	<5	<5	39000	<30	<0.2	41	<5	<0.02	<1	0.6	<0.5	<4	7	19
175561	<5	7	<100	<1	42	170	<2	3.83	2.0	<1	<5	<5	14100	<30	0.4	36	<5	<0.01	<1	0.7	<0.5	<4	4	10
175562	11	35	150	<1	45	100	<2	2.77	2.0	<1	<5	<5	23000	<30	2.0	40	<5	<0.02	<1	0.8	<0.5	<4	5	14
175563	6	3	180	<1	39	200	<2	3.53	2.7	<1	<5	<5	21300	<30	0.5	40	<5	<0.01	<1	1.2	<0.5	<4	5	14
175564	<5	<2	100	<1	63	340	<2	4.57	2.2	<1	<5	<5	31000	<30	0.5	48	<5	<0.01	<1	<0.5	<0.5	<4	4	9
175565	<5	7	110	<1	46	310	<2	5.39	1.7	<1	<5	<5	15200	<30	<0.2	48	<5	<0.02	<1	<0.5	<0.5	<4	4	11
175566	<5	7	180	<1	37	110	<2	5.50	2.6	<1	<5	<5	27600	<30	<0.2	35	<5	<0.01	<1	1.7	<0.5	<4	7	17
175567	<5	9	<100	2	40	200	<2	4.05	2.1	<1	<5	<5	20400	<30	1.2	38	<5	<0.01	<1	<0.5	<0.5	<4	5	11
175568	6	<2	280	2	67	330	4	6.64	1.7	<1	<5	<5	9930	31	<0.2	35	<5	<0.01	<1	<0.5	<0.5	<4	3	8
175569	<5	<2	<100	<1	47	350	<2	6.81	1.3	<1	<5	<5	11500	<30	0.3	38	<5	<0.01	<1	<0.5	<0.5	<4	3	8
175570	<5	<2	370	<1	41	120	<2	7.91	2.5	<1	<5	<5	21600	39	0.3	40	<5	<0.01	<1	1.8	<0.5	<4	8	20
175571	<5	<2	290	8	6	130	2	3.47	3.7	<1	<5	<5	21100	48	<0.2	12	<5	<0.01	<1	5.5	<0.5	<4	23	42
175572	<5	<2	250	3	58	130	<2	10.8	2.3	<1	<5	13	10000	<30	<0.2	47	<5	<0.01	<1	1.9	17	<4	9	21
175573	<5	<2	290	<1	5	110	<2	2.89	4.0	<1	<5	<5	16000	40	<0.2	4.8	<5	<0.01	2	5.4	2.2	<4	21	37
175574	<5	<2	460	8	7	100	<2	2.10	4.0	<1	5	<5	17900	64	<0.2	4.4	<5	<0.01	2	5.0	1.8	<4	20	35
175575	<5	<2	330	<1	42	100	<2	8.81	2.7	<1	<5	<5	20800	<30	0.4	39	<5	<0.01	<1	1.8	<0.5	<4	10	22
175576	<5	<2	250	<1	46	310	<2	5.97	1.8	<1	<5	<5	7200	33	<0.2	41	<5	<0.01	<1	<0.5	1.0	<4	3	7
175577	<5	<2	460	<1	10	130	3	2.98	3.9	<1	<5	<5	20700	49	<0.2	7.0	<5	<0.01	<1	7.0	1.4	<4	29	50
175578	8	<2	740	<1	<5	95	2	0.93	3.2	<1	<5	<5	39200	62	<0.2	1.0	<5	<0.01	<1	5.9	2.4	<4	11	19
175579	<5	<2	110	<1	43	230	<2	6.82	2.2	<1	<5	<5	17200	<30	0.3	37	<5	<0.01	<1	<0.5	<0.5	<4	4	11
175580	11	<2	210	<1	41	280	<2	8.98	1.9	<1	<5	<5	16200	<30	0.3	41	<5	<0.01	<1	<0.5	<0.5	<4	4	13
175581	<5	<2	250	<1	42	110	7	11.8	2.6	<1	<5	<5	20300	<30	<0.2	47	<5	<0.02	2	<0.5	<0.5	<4	4	14
175582	<5	<2	490	3	20	93	<2	6.61	3.9	<1	<5	<5	27500	<30	<0.2	16	<5	<0.01	<1	3.9	<0.5	<4	22	46
175583	<5	3	530	<1	20	110	<2	5.42	3.2	<1	<5	<5	37100	57	<0.2	7.3	<5	<0.01	3	6.2	2.3	<4	27	45
175584	<5	<2	340	1	5	130	2	2.64	3.4	<1	<5	<5	42800	<30	<0.2	5.1	<5	<0.01	<1	6.1	<0.5	<4	20	36
175585	<5	3	400	<1	9	120	<2	5.82	4.2	<1	<5	<5	42600	<30	0.3	6.4	<5	<0.01	<1	5.6	2.0	<4	12	15
175586	<5	<2	240	<1	8	130	3	3.96	5.3	<1	<5	<5	39100	93	0.3	8.7	<5	<0.01	<1	6.7	3.4	<4	12	19
175587	8	<2	870	<1	<5	150	<2	5.71	3.0	<1	<5	<5	26000	<30	<0.2	7.4	<5	<0.01	<1	5.0	1.7	<4	34	52
175588	10	14	620	<1	240	90	<2	24.3	1.9	<1	<5	INT	17000	62	<0.2	11.0	11	<0.01	<1	30	18	<4	370	720
175589	<5	3	710	<1	17	140	<2	5.99	2.0	<1	<5	<5	36200	<30	<0.2	5.9	<5	<0.01	<1	12	4.3	<4	91	160
175590	<5	3	670	<1	22	110	<2	6.56	2.4	<1	<5	<5	43400	<30	<0.2	7.0	<5	<0.01	<1	6.3	2.5	<4	80	120
175591	7	5	1200	<1	13	100	4	8.50	3.0	<1	<5	INT	27800	74	<0.2	15	<5	<0.03	<1	43	25	12	830	1500
175592	19	13	2400	<1	20	69	<2	8.14	5.0	<4	<7	<5	14200	<30	2.2	12	<5	<0.03	<1	130	96	<4	2300	4100
175593	18	7	1200	<1	21	46	<2	16.5	2.0	<1	<5	<5	16100	110	1.0	9.5	<5	<0.03	<1	41	23	7	560	1100
175594	6	4	1200	<1	21	100	2	4.96	2.5	<1	<5	INT	39400	54	<0.2	8.7	<5	<0.02	<1	53	16	<4	270	510
175595	<5	<2	760	<1	14	120	3	2.63	3.0	<1	<5	<5	40700	52	<0.2	7.5	<5	<0.01	<1	15	3.8	<4	94	150
175596	<5	<2	210	<1	8	53	<2	2.11	4.4	<1	<5	<5	55300	<30	<0.2	12	<5	<0.01	<1	5.4	<0.5	<4	26	59
175597	<5	6	<100	<1	47	440	<2	5.23	1.3	<1	8	<5	12000	<30	0.9	37	<5	<0.01	<1	0.6	<0.5	<4	5	16
175598	32	<2	410	4	<5	120	<2	1.03	2.1	<1	<5	<5	50000	<30	0.7	2.5	<5	<0.01	<1	3.0	1.8	7	10	18
175599	<5	<2	950	<1	9	120	3	2.09	3.7	<1	<5	<5	35400	80	<0.2	6.1	<5	<0.01	<1	7.9	3.2	<4	33	62
175600	<5	<2	1200	<1	12	120	3	2.69	3.5	<1	<5	<5	38100	46	<0.2	8.8	<5	<0.01	<1	9.5	2.3	<4	40	72

Activation Laboratories Ltd. Work Order: 4306 Report: 4282

Sample description	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
175086	8	1.6	0.6	<0.5	0.50	0.09	30.00
175087	8	2.7	0.9	<0.5	2.90	0.53	30.00
175088	<5	1.8	0.7	<0.5	2.29	0.31	30.00
175089	7	4.0	1.1	<0.5	5.16	0.82	30.00
175090	<5	3.1	1.1	0.9	4.32	0.70	30.00
175561	7	1.9	0.9	<0.5	1.74	0.31	30.00
175562	<5	2.3	1.2	<0.5	2.31	0.35	30.00
175563	9	2.3	0.9	<0.5	2.66	0.40	30.00
175564	<5	2.2	1.0	<0.5	2.21	0.32	30.00
175565	<5	1.7	0.6	<0.5	2.07	0.35	30.00
175566	<5	2.5	0.8	0.8	2.72	0.30	30.00
175567	<5	2.4	1.1	<0.5	2.48	0.28	30.00
175568	<5	1.6	0.6	0.7	2.16	0.23	30.00
175569	<5	1.5	0.7	<0.5	2.13	0.37	30.00
175570	11	2.8	1.2	<0.5	3.65	0.59	30.00
175571	14	2.4	0.8	<0.5	1.22	0.20	30.00
175572	14	4.2	1.7	1.5	5.05	0.63	30.00
175573	10	1.8	0.7	<0.5	1.01	0.12	30.00
175574	8	1.9	0.7	<0.5	0.70	0.10	30.00
175575	14	3.0	1.1	<0.5	4.10	0.65	30.00
175576	<5	1.7	0.8	<0.5	2.54	0.44	30.00
175577	15	2.6	1.0	<0.5	1.03	0.15	30.00
175578	12	1.4	0.6	<0.5	0.30	0.09	30.00
175579	<5	2.1	1.0	0.6	2.35	0.31	30.00
175580	<5	1.9	1.1	<0.5	2.98	0.41	30.00
175581	<5	2.7	1.1	1.2	3.98	1.60	30.00
175582	23	3.9	1.4	<0.5	2.10	0.35	30.00
175583	15	2.4	0.8	<0.5	0.80	0.12	30.00
175584	<5	1.9	0.7	<0.5	0.94	0.14	30.00
175585	7	1.0	0.5	<0.5	0.83	0.13	30.00
175586	<5	1.2	0.4	<0.5	1.08	0.22	30.00
175587	17	2.4	0.9	<0.5	0.91	0.16	30.00
175588	250	32	10.2	2.6	3.50	0.66	30.00
175589	48	7.9	2.4	<0.5	1.47	0.26	30.00
175590	31	4.6	1.4	<0.5	1.05	0.17	30.00
175591	480	61	17.2	5.1	5.20	0.68	30.00
175592	1300	140	44.3	15	10.6	0.88	30.00
175593	410	56	18.8	6.0	10.5	1.59	30.00
175594	180	23	6.2	<0.5	2.20	0.39	30.00
175595	45	6.7	2.2	<0.5	1.06	0.22	30.00
175596	23	4.5	1.1	<0.5	1.96	0.32	30.00
175597	<5	1.9	0.8	0.5	2.40	0.31	30.00
175598	<5	1.1	0.3	<0.5	<0.05	<0.05	30.00
175599	21	3.7	1.3	<0.5	0.91	0.15	30.00
175600	27	4.4	1.4	<0.5	0.79	0.12	30.00

Activation Laboratories Ltd. Work Order: 4306 Report: 4282B

Sample description	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	MN PPM	SR PPM	CD PPM	BI PPM	V PPM	CA %	P %	MG %	TI %	AL %	K %	Y PPM	BR PPM
175086	19.	8.	48.	0.3	7.	698.	185.	<0.5	<5.	22.	1.53	0.034	0.37	0.20	6.98	2.55	6.	<2.
175087	112.	<5.	112.	<0.3	135.	1270.	112.	<0.5	<5.	228.	6.51	0.035	4.41	0.49	8.03	0.71	25.	<2.
175088	151.	5.	106.	0.3	171.	1074.	142.	<0.5	<5.	305.	7.39	0.025	2.48	0.57	8.64	0.22	18.	<2.
175089	67.	9.	84.	<0.3	112.	1372.	192.	<0.5	<5.	228.	6.29	0.062	5.03	0.67	7.80	0.61	47.	<2.
175090	93.	<5.	119.	0.3	150.	1679.	311.	<0.5	<5.	344.	5.52	0.060	2.70	0.91	8.22	0.12	32.	<2.
175561	130.	<5.	88.	0.6	150.	916.	137.	<0.5	<5.	282.	8.50	0.035	2.59	0.67	8.71	0.08	18.	<2.
175562	162.	<5.	54.	0.4	150.	553.	187.	<0.5	<5.	341.	10.63	0.041	1.54	0.82	10.45	0.31	22.	<2.
175563	161.	<5.	110.	0.7	120.	767.	152.	<0.5	<5.	329.	7.53	0.036	1.68	0.75	9.48	0.12	23.	<2.
175564	181.	<5.	36.	0.9	209.	1381.	192.	<0.5	<5.	332.	7.11	0.036	3.30	0.70	10.02	0.27	18.	<2.
175565	146.	7.	125.	0.8	181.	1235.	115.	<0.5	<5.	322.	8.26	0.023	2.24	0.60	9.39	0.29	17.	<2.
175566	93.	<5.	101.	0.3	86.	1501.	113.	<0.5	<5.	299.	5.21	0.052	3.39	0.79	8.07	0.15	28.	<2.
175567	137.	<5.	140.	0.3	128.	1049.	146.	<0.5	<5.	343.	8.57	0.038	1.78	0.80	8.87	0.05	23.	<2.
175568	174.	44.	91.	0.6	193.	2325.	94.	<0.5	<5.	295.	6.11	0.031	2.44	0.60	3.86	1.31	19.	<2.
175569	151.	8.	88.	0.7	231.	1774.	94.	<0.5	<5.	288.	11.20	0.025	3.93	0.50	9.16	0.20	20.	<2.
175570	134.	8.	90.	0.3	89.	1839.	168.	<0.5	<5.	328.	5.32	0.052	2.07	0.88	8.73	1.36	28.	<2.
175571	16.	<5.	60.	<0.3	16.	867.	134.	<0.5	<5.	58.	2.23	0.038	0.81	0.24	7.63	1.54	10.	<2.
175572	122.	8.	137.	0.7	139.	3415.	157.	<0.5	<5.	409.	5.82	0.020	2.96	0.82	8.49	1.15	38.	<2.
175573	44.	9.	66.	<0.3	16.	765.	112.	<0.5	<5.	38.	1.67	0.040	0.66	0.25	7.43	2.38	7.	<2.
175574	22.	9.	54.	0.3	8.	437.	150.	<0.5	<5.	34.	2.09	0.040	0.71	0.24	7.81	3.21	8.	<2.
175575	101.	9.	112.	<0.3	81.	1531.	141.	<0.5	<5.	318.	6.30	0.058	4.91	0.78	7.46	0.44	34.	<2.
175576	163.	<5.	107.	0.5	177.	1931.	110.	0.5	<5.	307.	9.06	0.024	2.74	0.58	8.95	0.94	20.	<2.
175577	27.	11.	60.	<0.3	21.	781.	151.	<0.5	<5.	52.	3.14	0.054	1.25	0.33	7.60	2.41	11.	<2.
175578	12.	21.	35.	<0.3	3.	155.	711.	<0.5	<5.	13.	1.37	0.021	0.23	0.14	7.29	2.46	2.	<2.
175579	99.	<5.	116.	0.6	129.	1533.	214.	<0.5	<5.	294.	7.83	0.036	4.44	0.68	8.53	0.12	20.	<2.
175580	131.	10.	116.	0.6	149.	1555.	129.	<0.5	<5.	307.	8.30	0.032	5.37	0.62	8.04	0.07	24.	<2.
175581	171.	<5.	154.	0.7	56.	1781.	96.	1.0	<5.	376.	6.90	0.046	4.54	0.77	7.25	0.23	34.	<2.
175582	73.	19.	117.	<0.3	52.	1005.	572.	<0.5	<5.	144.	5.08	0.098	1.68	0.62	10.35	0.37	23.	<2.
175583	41.	11.	33.	38.5	105.	752.	599.	<0.5	<5.	59.	3.00	0.047	0.59	0.21	6.47	1.30	11.	<2.
175584	31.	20.	50.	0.3	29.	533.	309.	<0.5	<5.	37.	2.37	0.047	0.59	0.22	6.65	0.94	11.	<2.
175585	30.	35.	53.	0.6	15.	1205.	677.	<0.5	<5.	45.	2.45	0.035	0.85	0.20	6.90	1.44	8.	<2.
175586	63.	30.	51.	0.6	28.	787.	365.	<0.5	<5.	46.	2.60	0.017	0.78	0.18	6.79	1.42	10.	2.
175587	16.	15.	68.	0.4	8.	1335.	1056.	<0.5	<5.	64.	3.14	0.094	1.22	0.17	5.40	1.49	10.	<2.
175588	109.	<5.	121.	0.7	76.	2053.	479.	1.6	<5.	202.	3.68	0.284	0.99	0.12	2.78	1.88	64.	7.
175589	56.	38.	69.	0.5	99.	1137.	755.	<0.5	<5.	66.	3.73	0.062	0.79	0.19	5.76	1.42	26.	<2.
175590	31.	19.	80.	0.3	87.	1225.	879.	<0.5	<5.	63.	3.58	0.053	0.61	0.21	6.05	1.07	18.	<2.
175591	38.	26.	222.	<0.3	45.	3058.	1763.	<0.5	<5.	394.	8.44	1.058	1.68	0.19	4.04	2.18	114.	2.
175592	61.	5.	253.	1.7	42.	3075.	2461.	0.5	10.	325.	11.07	1.842	2.24	0.24	4.00	2.99	300.	2.
175593	95.	9.	370.	1.2	57.	6373.	1106.	2.9	<5.	560.	10.28	0.684	1.61	0.15	1.87	1.55	164.	9.
175594	21.	29.	115.	0.5	106.	1743.	1013.	<0.5	<5.	134.	4.35	0.173	1.30	0.25	6.62	3.15	37.	3.
175595	30.	43.	100.	0.7	81.	617.	1108.	<0.5	<5.	74.	2.74	0.073	0.52	0.28	7.27	1.92	19.	2.
175596	9.	<5.	36.	0.7	41.	398.	211.	<0.5	<5.	137.	4.47	0.141	2.10	0.50	9.67	0.39	22.	<2.
175597	112.	<5.	97.	<0.3	311.	1444.	135.	<0.5	<5.	261.	8.43	0.033	4.51	0.49	9.29	0.12	19.	<2.
175598	32.	<5.	19.	0.3	13.	197.	568.	<0.5	<5.	24.	1.71	0.020	0.38	0.04	7.63	0.57	4.	<2.
175599	33.	21.	61.	0.5	28.	429.	983.	<0.5	<5.	55.	2.56	0.073	1.19	0.21	7.93	2.57	11.	2.
175600	31.	16.	73.	0.8	35.	588.	1169.	<0.5	<5.	75.	3.48	0.081	1.69	0.26	7.86	1.69	12.	<2.

Activation Laboratories Ltd. Work Order: 4323 Report: 4315

* Note: sample series should read RX175...

Sample description	AU PPB	AS PPM	BA PPM	BR PPM	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	RB PPM	SB PPM	SC PPM	SE PPM	SN %	TA PPM	TH PPM	U PPM	W PPM	LA PPM	CE PPM
RX179401	958	37	160	<1	23	300	<2	6.79	0.7	<1	<5	<5	7630	<30	0.3	19	<5	<0.01	<1	<0.5	0.6	<4	4	7
RX179402	284	18	590	<1	16	450	<2	8.16	3.0	<1	<5	<5	1570	<30	0.4	9.4	<5	<0.01	1	5.3	0.9	10	45	68
RX179403	6190	21	180	<1	34	2500	<2	11.0	2.2	<1	<5	<5	<500	<30	0.8	29	<5	<0.02	<1	2.0	<0.5	10	18	35
RX179404	4640	27	<100	<1	10	370	<2	5.64	<0.5	<1	<5	<5	<500	<30	0.5	3.3	<5	<0.01	<1	<0.5	<0.5	11	7	13
RX179405	<5	<2	270	<1	<5	110	<2	2.37	3.7	<1	<5	<5	30300	58	0.2	2.7	<5	<0.01	<1	3.9	<0.5	<4	24	28
RX179406	<5	3	390	<1	6	130	<2	2.09	3.9	<1	<5	<5	25500	41	0.3	4.7	<5	<0.01	2	2.9	0.7	<4	18	20
RX179407	7	<2	<100	<1	41	270	<2	8.76	1.9	<1	<5	<5	11000	<30	0.4	41	<5	<0.02	<1	0.8	<0.5	<4	4	9
RX179601	7	8	<100	<1	40	82	<2	6.94	2.8	<1	<5	<5	17900	<30	0.6	41	<5	<0.02	<1	0.8	<0.5	<4	9	17
RX179602	<5	<2	280	<1	7	110	2	2.91	4.3	<1	<5	<5	10400	32	0.3	4.9	<5	<0.01	<1	3.7	1.4	<4	22	29
RX179603	<5	6	250	3	8	110	2	1.18	4.0	<1	<5	<5	19100	45	0.3	3.0	<5	<0.01	1	3.3	1.0	<4	18	32
RX179604	<5	3	340	<1	17	240	3	3.57	2.9	<1	<5	<5	25400	<30	0.4	19	<5	<0.02	<1	3.7	<0.5	<4	25	32
RX179605	<5	<2	290	<1	18	120	<2	5.07	4.3	<1	<5	<5	21200	40	0.2	10	<5	<0.01	<1	5.2	1.0	<4	39	55
RX179606	<5	<2	590	3	18	130	<2	2.92	4.8	<1	<5	<5	30500	<30	0.3	8.5	<5	<0.02	<1	4.9	0.9	<4	45	60
RX179607	9	<2	<100	<1	13	110	<2	3.30	4.0	<1	<5	<5	32300	<30	0.2	11	<5	<0.02	<1	4.2	1.2	<4	33	42
RX179608	<5	3	<100	<1	21	120	<2	8.01	3.4	<1	<5	<5	21100	40	<0.2	16	<5	<0.01	<1	2.9	<0.5	<4	28	38
RX179609	<5	2	<100	<1	26	150	<2	8.93	2.3	<1	<5	<5	15900	<30	<0.2	38	<5	<0.01	<1	0.7	<0.5	<4	7	18
RX179610	<5	5	<100	<1	45	240	<2	4.91	1.7	<1	<5	<5	25600	36	<0.2	30	<5	<0.01	<1	<0.5	<0.5	<4	3	5
RX179611	7	3	<100	3	27	660	<2	4.63	1.3	<1	<5	<5	12500	<30	1.9	33	<5	<0.01	<1	0.8	<0.5	<4	4	4
RX179612	<5	14	<100	2	43	300	3	3.46	<0.5	<1	<5	<5	21900	<30	0.5	22	<5	<0.01	<1	<0.5	<0.5	<4	3	8
RX179613	<5	<2	<100	<1	45	390	<2	2.88	1.3	<1	<5	<5	14400	<30	0.3	48	<5	<0.02	<1	<0.5	<0.5	<4	4	6
RX179614	7	4	170	<1	40	270	<2	3.94	1.3	<1	<5	<5	13000	<30	0.3	29	<5	<0.01	<1	<0.5	<0.5	<4	3	5
RX179615	8	8	<100	<1	27	250	<2	5.78	2.0	<1	<3	<5	12000	<30	1.4	35	<5	<0.01	<1	3.3	<0.5	<4	18	25
RX179616	14	10	<100	<1	53	440	<2	2.6[illegible]	1.7	<1	<5	<5	15400	<30	0.6	20	<5	<0.01	<1	<0.5	<0.5	<4	4	7
RX179617	<5	6	190	<1	39	390	<2	2.02	1.5	<1	<5	<5	15500	<30	0.2	24	<5	<0.01	<1	0.6	<0.5	<4	3	4
RX179618	<5	<2	<100	<1	38	290	<2	6.05	1.4	<1	<5	<5	11700	<30	<0.2	36	<5	<0.01	<1	<0.5	<0.5	<4	2	4
RX179619	9	<2	180	<1	37	260	<2	4.28	2.0	<1	<5	<5	18500	37	<0.2	34	<5	<0.01	<1	<0.5	<0.5	<4	3	4
RX179620	7	<2	<100	<1	30	290	<2	7.45	1.7	<1	<5	<5	12000	<30	<0.2	39	<5	<0.01	<1	<0.5	<0.5	<4	2	4
RX179621	<5	<2	<100	<1	36	260	<2	7.93	1.8	<1	<5	<5	11500	<30	<0.2	41	<5	<0.01	<1	<0.5	<0.5	<4	3	5
RX179622	<5	<2	320	<1	<5	120	<2	2.36	4.5	<1	<5	<5	22200	<30	0.2	4.7	<5	<0.01	<1	5.5	1.4	<4	24	27
RX179623	<5	<2	840	<1	<5	74	<2	2.37	4.1	<1	<5	<5	7830	65	<0.2	4.2	<5	<0.01	<1	5.6	1.4	<4	27	34
RX179624	<5	<2	140	<1	53	270	<2	6.78	1.5	<1	<5	<5	14300	<30	0.2	40	<5	<0.02	<1	0.6	<0.5	<4	14	21
RX179625	<5	<2	1900	<1	<5	42	3	2.29	4.2	<1	<5	<5	22600	150	<0.2	2.4	<5	<0.01	<1	11	1.1	<4	44	71
RX179626	<5	<2	<100	<1	44	150	<2	7.44	2.3	<1	<5	<5	16200	<30	<0.2	37	<5	<0.02	<1	0.7	<0.5	<4	4	7
RX179627	9	<2	290	<1	<5	87	<2	1.18	3.7	<1	<5	<5	17400	33	0.2	3.4	<5	<0.01	<1	4.6	0.9	<4	19	26
RX179628	<5	34	580	<1	54	330	2	2.42	2.5	<1	<5	<5	16800	57	0.4	43	<5	<0.02	<1	<0.5	<0.5	<4	3	[illegible]
RX179629	<5	30	<100	<1	43	430	<2	4.78	2.0	<1	<5	<5	16900	<30	0.2	32	<5	<0.02	<1	0.9	<0.5	<4	5	8
RX179630	<5	37	250	<1	23	49	<2	6.72	2.8	<1	<5	<5	7670	<30	1.2	24	<5	<0.01	<1	2.0	<0.5	<4	9	16
RX179631	<5	46	140	<1	34	24	<2	8.88	2.7	<1	<5	<5	15400	<30	2.0	36	<5	<0.02	<1	1.5	1.3	<4	9	15
RX179632	6	46	320	<1	31	270	<2	5.70	1.9	<1	<5	<5	6210	30	0.9	29	<5	<0.01	<1	0.9	<0.5	<4	5	8
RX179633	<5	12	230	<1	7	79	<2	1.64	3.5	<1	<5	<5	14800	<30	1.4	4.5	<5	<0.01	<1	2.1	<0.5	<4	20	28
RX179634	<5	31	740	<1	13	700	4	6.71	2.1	<1	<5	<5	4990	54	2.8	33	<5	<0.02	<1	1.4	1.0	<4	4	6
RX179635	<5	16	<100	<1	25	85	<2	8.01	2.6	<1	<5	<5	17800	<30	0.9	35	<5	<0.02	<1	2.0	<0.5	<4	9	16
RX179636	<5	2	<100	<1	23	410	<2	6.25	1.7	<1	<5	<5	24200	<30	1.0	36	<5	<0.02	<1	1.1	<0.5	<4	5	9
RX179637	7	5	420	<1	<5	59	<2	1.65	3.2	<1	<5	<5	25500	39	0.5	4.8	<5	<0.01	<1	1.7	<0.5	<4	17	22
RX179638	<5	10	240	<1	<5	110	2	1.74	2.9	<1	<5	<5	16600	33	1.0	3.6	<5	<0.01	<1	1.4	<0.5	<4	14	19

Activation Laboratories Ltd. Work Order: 4323 Report: 4315

* Note: sample series should read RX175...

Sample description	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
RX179401	<5	1.0	0.6	<0.5	1.28	0.15	29.31
RX179402	35	5.5	1.7	0.7	1.14	0.15	29.12
RX179403	11	2.7	0.8	<0.5	1.74	0.25	30.47
RX179404	6	1.1	0.4	<0.5	0.49	0.11	35.26
RX179405	10	1.7	0.5	<0.5	0.60	0.08	34.66
RX179406	8	1.5	0.6	<0.5	0.44	0.09	32.66
RX179407	<5	1.8	0.8	0.6	2.45	0.43	33.70
RX179601	7	2.3	1.0	0.9	3.08	0.50	32.22
RX179602	15	2.0	0.8	<0.5	0.64	0.14	33.53
RX179603	10	1.7	0.6	<0.5	0.58	0.07	36.60
RX179604	21	3.0	1.0	<0.5	1.16	0.07	31.63
RX179605	34	4.7	1.4	<0.5	1.17	0.20	31.20
RX179606	32	4.8	1.5	<0.5	1.32	0.25	32.08
RX179607	24	3.9	1.1	<0.5	1.20	0.19	30.01
RX179608	22	3.7	0.8	<0.5	1.99	0.32	30.77
RX179609	10	2.7	1.1	<0.5	3.37	0.57	34.00
RX179610	<5	1.3	0.4	<0.5	1.15	0.19	37.30
RX179611	<5	0.9	0.3	<0.5	0.96	0.17	40.52
RX179612	<5	1.4	0.4	<0.5	1.15	0.16	34.23
RX179613	<5	1.2	<0.2	<0.5	1.03	0.12	33.99
RX179614	<5	1.1	0.4	<0.5	1.09	0.19	38.49
RX179615	21	3.0	1.0	<0.5	1.53	0.21	36.10
RX179616	<5	1.2	0.5	<0.5	1.11	0.17	33.27
RX179617	<5	0.8	0.4	<0.5	0.58	0.05	39.08
RX179618	<5	1.3	0.6	<0.5	1.96	0.26	36.10
RX179619	<5	1.1	0.5	<0.5	1.66	0.28	36.54
RX179620	5	1.3	0.4	<0.5	1.73	0.21	42.02
RX179621	<5	1.4	0.6	<0.3	1.99	0.20	37.62
RX179622	20	1.7	0.6	<0.5	0.62	<0.05	33.14
RX179623	11	1.8	0.7	<0.5	0.58	<0.05	34.35
RX179624	10	3.0	1.1	<0.5	2.76	0.37	40.39
RX179625	49	7.4	2.2	<0.5	0.90	0.10	37.03
RX179626	<5	1.8	0.7	<0.5	2.35	0.33	36.83
RX179627	9	1.6	0.6	<0.5	0.64	0.07	33.43
RX179628	<5	1.3	0.6	<0.5	1.31	<0.05	30.78
RX179629	<5	1.4	0.5	<0.5	1.38	0.20	30.71
RX179630	7	2.2	0.8	<0.5	2.51	0.28	32.96
RX179631	9	2.3	0.7	<0.5	2.24	0.35	35.53
RX179632	<5	1.4	0.6	<0.5	1.59	0.28	33.26
RX179633	15	2.1	0.8	<0.5	0.76	0.12	31.62
RX179634	<5	1.1	0.4	<0.5	1.36	0.27	28.98
RX179635	8	2.2	0.7	<0.5	2.29	0.28	30.59
RX179636	7	1.3	0.5	<0.5	1.50	0.23	29.40
RX179637	15	1.7	0.6	<0.5	0.61	0.07	33.83
RX179638	<5	1.4	0.7	<0.5	0.52	0.05	30.56

Activation Laboratories Ltd. Work Order: 4323 Report: 4315B

* Note: sample series should read RX175...

Sample description	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	MN PPM	SR PPM	CD PPM	SB PPM	V PPM	CA %	P %	MG %	TI %	AL %	K %	Y PPM	BE PPM	Mass g
RX 179401	271.	18.	191.	<0.3	338.	2045.	71.	<0.5	<5.	129.	3.84	0.021	2.45	0.25	7.28	1.23	12.	<2.	
RX 179402	102.	30.	116.	<0.3	160.	1083.	36.	<0.5	<5.	73.	1.21	0.077	2.54	0.19	5.17	0.84	18.	<2.	
RX 179403	53.	23.	213.	0.4	957.	1805.	7.	<0.5	<5.	208.	0.15	0.022	5.93	0.17	6.78	0.15	13.	<2.	
RX 179404	39.	5.	91.	2.9	86.	178.	2.	<0.5	<5.	25.	0.09	0.012	0.61	0.02	0.57	0.05	5.	<2.	
RX 179405	8.	25.	52.	<0.3	6.	861.	214.	<0.5	<5.	19.	1.54	0.034	0.51	0.18	6.41	1.11	7.	<2.	
RX 179406	15.	8.	35.	0.5	11.	459.	235.	<0.5	<5.	40.	1.91	0.034	0.20	0.20	4.83	1.81	4.	<2.	
RX 179407	105.	10.	107.	<0.3	133.	1390.	89.	<0.5	<5.	299.	9.66	0.030	2.98	0.58	8.20	0.19	25.	<2.	
RX 179601	99.	25.	142.	0.6	74.	1553.	277.	<0.5	<5.	399.	5.86	0.067	1.75	1.04	8.35	0.15	36.	<2.	
RX 179602	19.	25.	48.	0.6	15.	1293.	211.	<0.5	<5.	43.	4.63	0.042	0.25	0.25	7.17	1.37	10.	<2.	
RX 179603	31.	20.	14.	<0.3	11.	245.	175.	<0.5	<5.	26.	1.43	0.037	0.22	0.23	6.88	1.04	6.	<2.	
RX 179604	49.	17.	56.	0.3	35.	1275.	657.	<0.5	<5.	137.	8.68	0.092	2.92	0.37	8.29	0.58	16.	<2.	
RX 179605	32.	21.	96.	1.1	99.	618.	461.	<0.5	<5.	100.	3.06	0.113	2.51	0.53	9.79	0.70	17.	<2.	
RX 179606	34.	24.	72.	0.4	66.	1105.	417.	<0.5	<5.	91.	4.36	0.135	0.84	0.58	7.97	1.49	17.	<2.	
RX 179607	46.	17.	76.	<0.3	49.	498.	685.	<0.5	<5.	117.	3.50	0.103	1.77	0.63	7.[illegible]	0.38	18.	<2.	
RX 179608	56.	13.	115.	<0.3	74.	2386.	279.	<0.5	<5.	145.	5.97	0.100	2.03	0.59	7.61	0.15	24.	<2.	
RX 179609	56.	11.	155.	<0.3	45.	1455.	318.	<0.5	<5.	369.	6.31	0.060	4.25	0.86	7.81	0.07	37.	<2.	
RX 179610	94.	11.	99.	<0.3	177.	1266.	108	<0.5	<5.	250.	4.98	0.025	1.90	0.60	8.35	0.14	14.	<2.	
RX 179611	68.	2810.	59.	<0.3	106.	922.	306.	<0.5	<5.	174.	10.64	0.017	5.40	0.27	8.99	0.19	12.	<2.	
RX 179612	118.	365.	59.	<0.3	174.	670.	173.	<0.5	<5.	263.	3.75	0.016	1.53	0.51	7.00	0.35	12.	<2.	
RX 179613	112.	112.	39.	<0.3	200.	544.	129.	<0.5	<5.	211.	5.58	0.024	2.13	0.07	8.96	0.24	10.	<2.	
RX 179614	225.	270.	70.	0.4	152.	646.	110.	<0.5	<5.	261.	4.59	0.022	2.12	0.54	8.60	0.51	12.	<2.	
RX 179615	87.	24.	62.	<0.3	131.	1120.	409.	<0.5	<5.	201.	8.97	0.103	4.64	0.09	8.52	0.27	20.	<2.	
RX 179616	115.	19.	35.	<0.3	217.	519.	126.	<0.5	<5.	240.	6.91	0.022	1.53	0.18	9.08	0.39	11.	<2.	
RX 179617	94.	12.	33.	0.7	194.	321.	145.	<0.5	<5.	214.	5.30	0.017	1.31	0.09	8.98	0.60	7.	<2.	
RX 179618	147.	10.	85.	0.6	172.	1628.	123.	<0.5	<5.	287.	8.61	0.023	2.72	0.50	9.15	0.19	18.	<2.	
RX 179619	147.	27.	91.	0.7	169.	1281.	114.	0.5	<5.	260.	7.28	0.022	2.27	0.49	8.82	0.48	17.	<2.	
RX 179620	126.	29.	108.	0.5	162.	1742.	136.	<0.5	<5.	303.	10.13	0.025	4.21	0.48	8.98	0.15	20.	<2.	
RX 179621	132.	16.	79.	<0.3	111.	1451.	123.	<0.5	<5.	302.	9.38	0.024	5.39	0.48	8.49	0.14	20.	<2.	
RX 179622	2.	420.	34.	<0.3	6.	750.	182.	<0.5	<5.	42.	2.44	0.031	0.44	0.21	7.82	2.07	8.	<2.	
RX 179623	2.	217.	37.	<0.3	7.	775.	138.	<0.5	6.	35.	2.13	0.035	0.68	0.23	7.92	4.04	7.	<2.	
RX 179624	56.	16.	139.	0.3	265.	2551.	275.	0.5	<5.	285.	9.92	0.045	2.43	0.76	9.29	0.51	30.	<2.	
RX 179625	27.	17.	37.	<0.3	4.	456.	564.	<0.5	6.	62.	[illegible]	0.045	0.55	0.26	7.37	6.03	12.	<2.	
RX 179626	85.	11.	89.	<0.3	144.	1777.	192.	<0.5	6.	309.	8.68	0.031	3.63	0.66	9.42	0.18	23.	<2.	
RX 179627	5.	503.	24.	1.0	5.	401.	86.	<0.5	<5.	30.	1.13	0.030	0.44	0.21	6.49	2.34	7.	<2.	
RX 179628	176.	19.	79.	0.5	197.	956.	205.	<0.5	<5.	419.	4.65	0.024	0.75	0.59	8.66	1.98	12.	<2.	
RX 179629	69.	9.	94.	<0.3	233.	1221.	121.	<0.5	<5.	228.	5.92	0.030	5.27	0.46	9.60	0.32	17.	<2.	
RX 179630	106.	7.	93.	0.7	39.	1318.	86.	<0.5	<5.	161.	6.92	0.042	4.02	0.21	5.09	0.63	12.	<2.	
RX 179631	319.	<5.	192.	0.4	36.	1234.	61.	<0.5	<5.	231.	3.99	0.042	3.75	0.18	6.26	0.17	10.	<2.	
RX 179632	99.	<5.	71.	0.8	97.	1344.	97.	<0.5	<5.	165.	6.76	0.024	4.59	0.09	6.34	1.17	6.	<2.	
RX 179633	11.	<5.	46.	0.3	8.	408.	107.	<0.5	<5.	31	1.86	0.040	0.91	0.09	7.10	1.61	6.	<2.	
RX 179634	43.	<5.	48.	0.4	65.	390.	39.	<0.5	<5.	202.	0.80	0.023	2.43	0.13	7.85	2.59	4.	<2.	
RX 179635	85.	<5.	99.	0.9	55.	1357.	107.	<0.5	7.	214.	5.07	0.035	4.46	0.14	6.77	0.03	10.	<2.	
RX 179636	83.	8.	72.	0.7	58.	852.	250.	<0.5	<5.	196.	4.01	0.028	4.33	0.11	7.43	0.01	5.	<2.	
RX 179637	28.	8.	42.	<0.3	9.	482.	195.	<0.5	<5.	33.	1.74	0.039	1.10	0.09	7.49	1.44	6.	<2.	
RX 179638	17.	6.	36.	<0.3	7.	475.	239.	<0.5	<5.	25.	3.04	0.035	0.92	0.05	6.49	1.25	4.	<2.	

Activation Laboratories Ltd. Work Order: 4323 Report: 4315

* Note: sample series should read RX175...

Sample description	AU PPB	AS PPM	BA PPM	BR PPM	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	RB PPM	SB PPM	SC PPM	SE PPM	SM %	TA PPM	TB PPM	U PPM	W PPM	LA PPM	CE PPM
RX179639	<5	7	390	<1	5	94	<2	2.95	3.1	<1	<5	<5	6990	<30	0.8	4.2	<5	<0.01	<1	2.0	0.9	<4	18	24
RX179640	<5	23	530	<1	30	130	2	4.20	2.9	<1	<5	<5	9920	50	1.8	42	<5	<0.02	<1	<0.5	<0.5	<4	9	13
RX179641	9	6	<100	<1	37	200	<2	6.07	2.3	<1	<5	<5	20200	<30	1.8	24	<5	<0.02	<1	1.6	1.0	<4	8	15
RX179642	<5	2	<100	<1	31	310	<2	6.17	2.2	<1	<5	<5	12800	<30	2.0	33	<5	<0.02	<1	<0.5	<0.5	<4	6	8
RX179643	<5	100	170	<1	29	160	<2	5.93	2.8	<1	<5	<5	9860	32	1.4	27	<5	<0.02	<1	2.6	<0.5	<4	14	21
RX179644	<5	2	210	<1	<5	100	<2	0.94	3.8	<1	<5	<5	25000	<30	0.3	3.1	<5	<0.01	<1	4.2	<0.5	<4	22	27
RX179645	<5	<2	290	<1	39	170	<2	7.05	1.7	<1	<5	<5	19500	<30	<0.2	33	10	<0.02	<1	<0.5	<0.5	<4	4	10
RX179646	<5	<2	<100	<1	36	280	<2	8.56	<0.5	<1	<5	<5	11400	<30	<0.2	40	<5	<0.02	<1	<0.5	<0.5	<4	3	6
RX179647	<5	12	<100	<1	23	210	<2	6.59	1.6	<1	<5	<5	13100	<30	0.3	37	<5	<0.02	<1	<0.5	<0.5	<4	3	5
RX179648	<5	3	<100	<1	39	340	<2	7.96	1.5	<1	<5	<5	3470	<30	0.4	37	<5	<0.02	<1	0.6	<0.5	<4	3	6
RX179649	<5	3	<100	<1	48	590	<2	5.66	2.4	<1	<5	<5	23700	<30	0.5	38	<5	<0.02	1	1.2	<0.5	<4	8	13
RX179650	<5	2	<100	<1	40	400	<2	6.47	1.6	<1	<5	<5	14500	<30	<0.2	37	<5	<0.01	<1	0.6	<0.5	<4	5	9
RX179651	<5	<2	180	<1	37	360	<2	7.39	1.7	<1	<5	<5	11500	<30	0.6	35	<5	<0.01	<1	0.7	<0.5	<4	6	9
RX179652	<5	<2	<100	<1	36	330	<2	6.96	1.5	<1	<5	<5	9560	<30	0.5	34	<5	<0.01	<1	0.7	<0.5	<4	5	8
RX179653	<5	<2	1100	<1	<5	93	4	1.16	3.5	<1	<5	<5	31900	80	0.4	2.0	<5	<0.01	<1	4.5	1.0	<4	30	38
RX179654	<5	2	310	<1	40	500	4	7.27	3.0	<1	<5	5	6910	40	0.2	30	<5	<0.01	<1	3.3	0.9	<4	32	47
RX179655	<5	<2	300	<1	14	120	<2	4.58	4.2	<1	<5	<5	16400	<30	<0.2	11	<5	<0.01	1	4.6	0.8	<4	40	52
RX179656	<5	17	180	<1	19	78	<2	9.80	5.6	<1	<5	<5	17400	<30	<0.2	27	<5	<0.01	<1	5.1	<0.5	<4	22	36
RX179657	8	2	410	4	<5	130	3	0.73	4.4	<1	<5	<5	35100	52	<0.2	3.4	<5	<0.01	<1	4.1	1.0	<4	27	30
RX179658	<5	19	<100	<1	95	6200	<2	10.0	0.9	<1	<5	<5	<500	<30	4.2	7.0	<5	<0.01	<1	<0.5	<0.5	<4	2	6
RX179701	<5	<2	<100	<1	86	1700	<2	8.89	1.4	<1	<5	<5	2160	<30	0.2	22	<5	<0.01	<1	0.8	<0.5	<4	5	6
RX179702	<5	<2	<100	<1	36	220	<2	7.76	2.0	<1	<5	<5	14000	<30	1.8	41	<5	<0.03	<1	0.6	<0.5	<4	5	8
RX179703	<5	4	<100	<1	27	52	<2	6.87	2.5	<1	<5	<5	22700	<30	0.9	39	7	<0.02	<1	1.6	<0.5	<4	9	17
RX179704	<5	6	330	<1	25	59	<2	5.80	3.7	<1	<5	<5	25100	<30	1.0	36	<5	<0.02	2	2.2	<0.5	<4	14	21
RX179705	8	4	<100	<1	36	320	<2	6.96	1.7	<1	<5	<5	7610	<30	1.3	34	<5	<0.02	<1	0.7	<0.5	<4	5	10
RX179706	<5	7	<100	<1	22	260	<2	5.06	2.9	<1	<5	<5	17700	<30	1.1	33	<5	<0.02	<1	2.1	<0.5	<4	11	21
RX179707	<5	36	<100	<1	34	140	<2	6.20	<0.5	<1	<5	<5	13800	<30	1.1	42	<5	<0.02	<1	0.9	<0.5	<4	6	10
RX179708	<5	8	<100	<1	59	880	<2	12.0	1.2	<1	<5	<5	<500	<30	0.6	26	<5	<0.01	<1	<0.5	1.0	<4	3	7
RX179709	<5	12	<100	<1	38	170	<2	3.65	2.4	<1	<5	<5	17900	<30	0.7	29	<5	<0.01	<1	<0.5	<0.5	<4	3	6
RX179710	<5	3	200	<1	<5	89	<2	2.08	4.6	<1	<5	<5	20400	35	0.2	3.6	<5	<0.01	<1	5.2	1.1	<4	19	22
RX179711	12	3	<100	<1	44	160	<2	2.99	3.0	<1	<5	<5	20900	36	0.8	37	<5	<0.02	<1	1.0	<0.5	<4	10	17
RX179712	<5	6	<100	<1	28	640	<2	4.93	1.0	<1	<5	<5	10400	<30	0.6	34	<5	<0.01	<1	<0.5	<0.5	<4	4	7
RX179713	24	56	<100	<2	32	60	<2	10.5	4.1	<1	<5	<5	24800	<30	3.9	4[illegible]	<5	<0.02	<1	<0.5	<0.5	<4	8	14
RX179714	<5	10	380	<1	7	69	3	3.95	5.4	<1	<5	<5	12000	89	0.8	6.5	<5	<0.01	<1	3.0	<0.5	<4	26	36
RX179715	<5	23	<100	<1	40	360	<2	4.47	3.3	<1	<5	<5	28300	33	0.5	28	<5	<0.02	<1	2.2	<0.5	<4	13	18
RX179716	<5	4	<100	<1	32	380	<2	5.43	1.8	<1	<5	<5	9930	<30	1.2	34	<5	<0.02	<1	1.0	<0.5	<4	6	10
RX179717	<5	8	<100	<1	100	2600	4	9.19	1.2	<1	<5	<5	<500	<30	1.4	15	<5	<0.01	<1	<0.5	<0.5	<4	2	5
RX179718	<5	<2	<100	<1	31	870	<2	5.03	<0.5	<1	<5	<5	17500	<30	0.5	37	<5	<0.02	1	0.9	<0.5	<4	3	7
RX179719	<5	<2	<100	<1	30	74	<2	7.59	3.3	<1	<5	<5	10100	<30	0.6	37	<5	<0.02	<1	2.3	<0.5	<4	8	14
RX179720	<5	<2	630	<1	8	92	6	2.48	3.8	<1	<5	<5	10300	64	0.6	7.1	<5	<0.01	1	4.1	<0.5	<4	27	35
RX179721	<5	<2	510	<1	16	180	2	3.95	3.1	<1	<5	<5	20000	45	0.8	16	<5	<0.02	<1	4.2	0.9	<4	25	32
RX179722	6	<2	1500	<1	7	94	9	2.00	3.2	<1	<5	5	7500	100	1.3	4.3	<5	<0.01	1	3.1	<0.5	<4	23	28
RX179723	9	<2	340	<1	22	170	<2	5.19	4.1	<1	<5	<5	13700	<30	0.3	13	<5	<0.01	<1	4.5	1.0	<4	33	49
RX179724	<5	<2	2000	<1	5	140	4	1.77	4.6	<1	<5	<5	3610	130	0.5	6.4	<5	<0.01	1	5.3	1.0	<4	35	45
RX179725	<5	<2	390	<1	26	270	19	5.30	4.1	<1	<5	<5	21600	66	0.4	17	<5	<0.01	<1	5.9	1.0	<4	38	52

Activation Laboratories Ltd. Work Order: 4323 Report: 4315

* Note: sample series should read RX175...

Sample description	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
RX179639	<5	1.8	0.6	<0.5	0.44	<0.05	29.83
RX179640	<5	2.6	1.0	<0.5	2.92	0.44	28.60
RX179641	7	2.0	0.6	0.7	2.52	0.41	31.83
RX179642	<5	1.8	0.8	<0.5	2.27	0.41	34.29
RX179643	18	2.5	0.7	<0.5	1.98	0.35	32.80
RX179644	9	1.5	0.6	<0.5	0.29	<0.05	34.22
RX179645	<5	1.9	0.8	<0.5	2.06	0.37	36.54
RX179646	<5	1.2	0.7	<0.5	2.72	0.43	33.38
RX179647	<5	1.6	0.7	<0.5	2.02	0.40	35.36
RX179648	8	1.5	0.6	0.7	1.83	0.26	32.58
RX179649	<5	1.9	0.7	<0.5	1.90	0.29	31.66
RX179650	<5	1.7	0.6	0.9	2.15	0.39	38.76
RX179651	10	1.8	0.7	<0.5	1.89	0.23	39.95
RX179652	9	1.7	0.7	<0.5	1.73	0.16	37.49
RX179653	29	2.3	0.7	<0.5	0.39	0.07	34.76
RX179654	34	5.1	1.3	<0.5	2.30	0.45	36.41
RX179655	30	4.0	1.3	0.6	1.48	0.26	38.27
RX179656	28	5.1	1.5	<0.5	4.73	0.50	34.74
RX179657	17	1.7	0.5	0.9	0.56	0.07	33.79
RX179658	<5	0.2	<0.2	<0.5	0.25	<0.05	28.21
RX179701	<5	1.0	0.3	<0.5	1.06	0.23	30.70
RX179702	<5	1.7	0.8	0.9	2.28	0.38	36.74
RX179703	<5	2.6	0.9	<0.5	2.84	0.49	36.81
RX179704	11	3.0	1.0	<0.5	2.00	0.47	32.11
RX179705	<5	1.7	0.5	<0.5	2.13	0.33	40.16
RX179706	15	2.8	0.6	0.6	2.83	0.48	31.90
RX179707	<5	1.9	0.8	<0.5	2.32	0.36	38.72
RX179708	<5	0.9	0.3	<0.5	1.52	0.22	30.91
RX179709	<5	1.3	0.5	<0.5	1.43	0.26	34.21
RX179710	11	1.5	0.5	<0.5	0.44	0.08	32.35
RX179711	17	2.9	1.2	<0.5	2.07	0.33	32.48
RX179712	<5	1.3	0.5	<0.5	1.48	0.30	38.96
RX179713	16	3.7	0.7	1.3	4.90	0.81	30.53
RX179714	21	3.0	1.0	<0.5	0.98	0.15	27.53
RX179715	12	2.6	0.7	<0.5	2.37	0.43	32.97
RX179716	10	1.6	0.6	<0.5	1.96	0.25	31.77
RX179717	5	0.6	0.4	<0.5	0.90	0.13	35.09
RX179718	<5	1.1	0.5	<0.5	1.27	0.25	37.24
RX179719	13	2.7	1.2	<0.5	3.56	0.55	36.36
RX179720	27	2.4	0.9	<0.5	0.46	0.16	32.70
RX179721	26	3.1	1.1	<0.5	1.10	0.17	31.06
RX179722	16	2.2	0.8	<0.5	0.50	0.09	32.53
RX179723	29	4.6	1.4	<0.5	1.78	0.28	35.05
RX179724	27	3.4	1.0	<0.5	0.89	0.13	35.60
RX179725	32	4.8	1.5	0.7	1.40	0.27	31.66

Activation Laboratories Ltd. Work Order: 4323 Report: 4315B

* Note: sample series should read RX175...

Sample description	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	MN PPM	SR PPM	CD PPM	SB PPM	V PPM	CA %	P %	MG %	TI %	AL %	K %	Y PPM	BE PPM	Mass g
RX 179639	215.	<5.	37.	<0.3	9.	380.	121.	<0.5	<5.	33.	2.10	0.038	1.23	0.07	6.64	1.91	5.	<2.	
RX 179640	92.	<5.	62.	1.2	53.	1077.	119.	<0.5	<5.	297.	8.84	0.052	1.19	0.18	7.19	1.57	11.	<2.	
RX 179641	85.	8.	67.	0.5	138.	2063.	90.	<0.5	<5.	172.	5.23	0.034	3.78	0.14	6.89	0.02	13.	<2.	
RX 179642	55.	<5.	82.	0.8	127.	1339.	142.	<0.5	<5.	224.	6.31	0.026	4.32	0.50	7.22	0.02	23.	<2.	
RX 179643	43.	<5.	78.	0.8	74.	1175.	90.	<0.5	<5.	171.	6.43	0.032	3.63	0.17	6.61	1.25	11.	<2.	
RX 179644	21.	7.	38.	<0.3	7.	390.	307.	<0.5	<5.	22.	3.09	0.032	0.30	0.19	6.57	1.12	4.	<2.	
RX 179645	107.	9.	87.	1.0	124.	1295.	342.	<0.5	<5.	263.	6.12	0.030	3.52	0.60	8.00	0.19	20.	<2.	
RX 179646	82.	<5.	81.	0.5	153.	1385.	164.	<0.5	<5.	235.	6.46	0.014	5.50	0.46	7.81	0.01	20.	<2.	
RX 179647	53.	<5.	59.	<0.3	67.	1198.	145.	<0.5	<5.	261.	8.36	0.025	3.09	0.55	7.80	0.04	20.	<2.	
RX 179648	102.	<5.	85.	1.1	171.	1127.	174.	<0.5	<5.	238.	4.81	0.022	5.09	0.08	7.42	0.18	17.	<2.	
RX 179649	88.	<5.	72.	1.0	225.	1394.	93.	<0.5	<5.	224.	4.23	0.032	3.92	0.48	7.25	0.09	18.	<2.	
RX 179650	119.	11.	83.	0.7	176.	1456.	145.	<0.5	<5.	236.	8.44	0.032	2.98	0.50	7.65	0.11	20.	<2.	
RX 179651	116.	<5.	76.	0.6	170.	1247.	146.	<0.5	<5.	221.	8.50	0.030	5.44	0.46	7.45	0.09	19.	<2.	
RX 179652	92.	<5.	72.	0.8	174.	1239.	114.	<0.5	<5.	222.	8.82	0.031	5.73	0.46	7.35	0.07	19.	<2.	
RX 179653	14.	13.	36.	<0.3	8.	194.	604.	<0.5	<5.	19.	1.75	0.032	0.33	0.14	7.48	2.61	6.	2.	
RX 179654	128.	13.	102.	1.1	157.	1860.	113.	<0.5	<5.	213.	6.93	0.128	2.27	0.54	6.95	1.03	23.	<2.	
RX 179655	29.	<5.	83.	0.6	45.	1510.	343.	<0.5	<5.	92.	7.13	0.062	1.74	0.43	6.96	0.78	18.	<2.	
RX 179656	25.	8.	68.	<0.3	4.	2073.	66.	<0.5	<5.	12.	1.92	0.099	0.91	0.95	5.69	0.26	50.	<2.	
RX 179657	11.	8.	33.	<0.3	6.	209.	240.	<0.5	<5.	19.	0.98	0.034	0.21	0.16	5.85	1.82	6.	<2.	
RX 179658	11.	<5.	1.	<0.3	2595.	562.	5.	<0.5	<5.	34.	0.30	0.010	23.15	0.04	0.68	0.01	1.	<2.	
RX 179701	180.	<5.	82.	<0.3	869.	1538.	34.	0.7	<5.	128.	5.31	0.019	14.65	0.25	3.93	0.03	10.	<2.	
RX 179702	126.	<5.	97.	0.9	101.	1511.	321.	0.5	<5.	277.	7.60	0.035	5.50	0.56	7.01	0.47	22.	<2.	
RX 179703	[illegible]	<5.	46.	1.2	39.	1109.	273.	<0.5	<5.	302.	7.03	0.031	4.19	0.65	7.26	0.06	30.	<2.	
RX 179704	57.	8.	104.	0.5	57.	1037.	165.	<0.5	<5.	265.	5.46	0.042	4.00	0.65	7.40	0.21	28.	<2.	
RX 179705	131.	<5.	83.	0.3	175.	1334.	123.	<0.5	<5.	242.	8.52	0.033	4.93	0.51	7.81	0.01	19.	<2.	
RX 179706	10.	<5.	52.	0.5	85.	923.	130.	<0.5	<5.	211.	4.88	0.026	4.69	0.53	7.40	0.07	35.	<2.	
RX 179707	148.	<5.	81.	1.1	105.	2006.	107.	0.6	<5.	281.	8.35	0.039	4.22	0.58	7.02	0.10	22.	<2.	
RX 179708	94.	3.	115.	0.7	434.	4055.	27.	<0.5	<5.	167.	4.37	0.018	5.18	0.26	6.83	0.12	7.	<2.	
RX 179709	128.	5.	98.	0.5	141.	945.	168.	<0.5	<5.	285.	5.98	0.037	1.34	0.28	9.42	0.60	13.	<2.	
RX 179710	9.	15.	32.	<0.3	12.	442.	113.	<0.5	<5.	26.	1.64	0.035	0.45	0.18	7.12	1.75	5.	<2.	
RX 179711	106.	<5.	36.	1.0	78.	545.	168.	<0.5	<5.	321.	8.88	0.057	1.02	0.25	9.14	0.77	19.	<2.	
RX 179712	134.	<5.	62.	0.8	143.	1107.	101.	<0.5	<5.	190.	9.95	0.023	4.61	0.32	8.64	0.12	14.	<2.	
RX 179713	95.	<5.	120.	1.3	22.	1233.	72.	<0.5	<5.	452.	3.38	0.083	2.55	1.14	6.86	0.06	46.	<2.	
RX 179714	27.	5.	110.	0.4	16.	435.	96.	<0.5	<5.	58.	2.14	0.065	2.49	0.16	9.82	2.72	8.	<2.	
RX 179715	69.	<5.	95.	1.0	141.	1046.	84.	<0.5	<5.	206.	2.88	0.041	4.36	0.51	8.21	0.45	33.	<2.	
RX 179716	79.	<5.	88.	0.7	125.	1275.	55.	<0.5	<5.	221.	6.24	0.027	5.70	0.30	7.37	0.29	7.	<2.	
RX 179717	32.	<5.	48.	<0.3	1352.	1239.	38.	<0.5	<5.	91.	2.48	0.012	13.65	0.16	1.63	0.03	7.	<2.	
RX 179718	24.	13.	49.	0.6	133.	900.	187.	<0.5	<5.	170.	9.43	0.016	6.95	0.26	7.77	0.22	13.	<2.	
RX 179719	65.	<5.	60.	1.2	25.	1182.	133.	<0.5	<5.	394.	6.50	0.051	4.96	0.68	7.46	0.10	34.	<2.	
RX 179720	17.	6.	30.	<0.3	23.	1060.	397.	<0.5	<5.	49.	5.15	0.062	1.01	0.30	7.87	2.59	10.	<2.	
RX 179721	45.	6.	59.	<0.3	34.	954.	626.	<0.5	<5.	120.	4.93	0.101	3.42	0.33	7.45	1.00	14.	<2.	
RX 179722	14.	154.	39.	<0.3	26.	730.	511.	<0.5	<5.	43.	5.36	0.042	1.18	0.17	8.28	3.42	7.	3.	
RX 179723	57.	12.	56.	0.4	81.	1070.	234.	<0.5	<5.	97.	4.14	0.104	1.24	0.45	7.13	0.90	24.	<2.	
RX 179724	35.	14.	32.	0.5	23.	542.	205.	<0.5	<5.	58.	2.56	0.062	0.45	0.33	7.97	8.97	13.	<3.	
RX 179725	66.	17.	86.	0.7	160.	904.	562.	<0.5	<5.	138.	4.46	0.095	3.54	0.47	8.58	1.14	17.	<2.	

T26 12

Activation Laboratories Ltd. Work Order: 4323 Report: 4315

* Note: sample series should read RX175...

Sample description	AU PPB	AS PPM	BA PPM	BR PPM	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	RB PPM	SB PPM	SC PPM	SE PPM	ZN %	TA PPM	TH PPM	U PPM	W PPM	LA PPM	CE PPM
RX179726	<5	3	560	<1	20	160	3	3.87	3.5	<1	<5	17	13200	79	<0.2	8.3	<5	<0.01	<1	3.7	0.8	<4	27	44
RX179727	<5	<2	300	<1	<5	180	4	2.17	4.2	<1	<5	<5	25200	24	0.2	6.6	<5	<0.01	<1	4.8	1.2	<4	26	32
RX179728	<5	5	250	<1	8	150	4	2.89	4.2	<1	<5	<5	23900	32	1.2	8.3	<5	<0.01	<1	3.6	1.0	<4	25	33
RX179729	<5	<2	<100	<1	<5	140	12	1.30	4.3	<1	<5	<5	39800	<30	0.5	9.1	<5	<0.01	<1	4.0	1.3	<4	15	19
RX179730	18	2	690	<1	15	76	4	3.06	3.5	<1	<5	<5	22400	51	0.8	9.7	<5	<0.01	<1	4.4	<0.5	5	26	36
RX179731	8	<2	870	<1	5	110	4	1.40	2.9	<1	<5	<5	16600	48	2.7	3.2	<5	<0.01	<1	2.0	<0.5	<4	19	28

Activation Laboratories Ltd. Work Order: 4323 Report: 4315

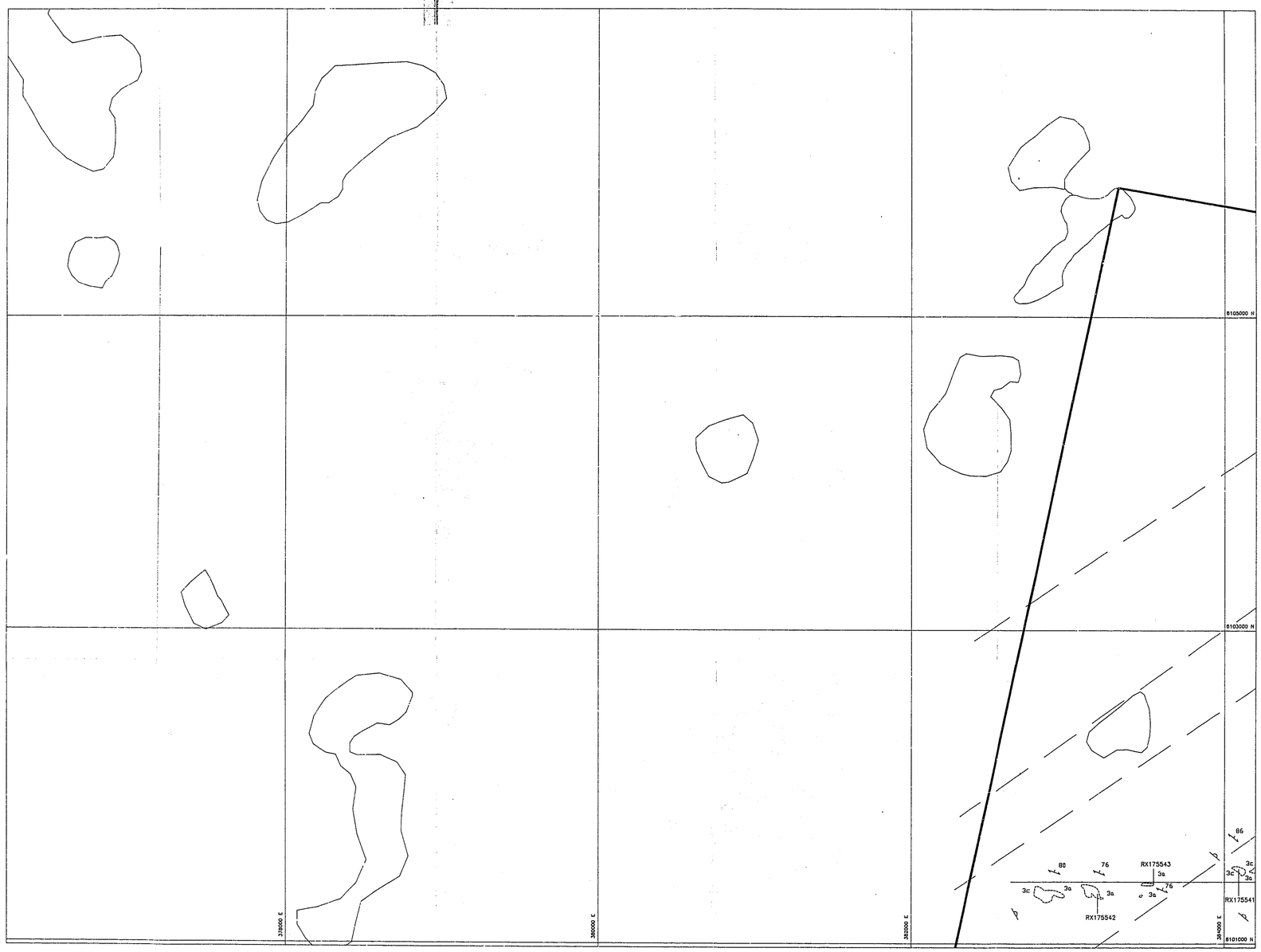
* Note: sample series should read RX175...

Sample description	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	Mass g
RX179726	22	3.1	0.9	<0.5	1.05	0.15	35.24
RX179727	15	2.6	0.9	<0.5	1.16	0.18	36.33
RX179728	16	2.6	0.8	<0.5	1.32	0.17	35.52
RX179729	15	2.7	0.6	0.6	1.10	0.20	30.76
RX179730	18	2.9	0.9	<0.5	1.13	0.20	35.58
RX179731	18	2.2	0.7	<0.5	0.30	<0.05	31.08

Activation Laboratories Ltd. Work Order: 4323 Report: 4315B

* Note: sample series should read RX175...

Sample description	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	MN PPM	SR PPM	CD PPM	SI PPM	V PPM	CA %	P %	MG %	TI %	AL %	K %	Y PPM	BE PPM	Mass g
RX 179726	160.	3789.	200.	1.0	65.	1090.	728.	<0.5	<5.	73.	5.27	0.075	0.94	0.28	7.26	3.90	13.	<2.	
RX 179727	27.	19.	51.	<0.3	22.	757.	203.	<0.5	<5.	40.	4.66	0.053	0.47	0.29	7.61	1.70	14.	2.	
RX 179728	10.	9.	55.	<0.3	24.	451.	484.	<0.5	7.	69.	4.53	0.072	0.86	0.39	7.47	0.70	16.	<2.	
RX 179729	1.	<5.	24.	<0.3	40.	279.	153.	<0.5	<5.	73.	1.30	0.080	2.71	0.41	6.94	0.46	12.	<2.	
RX 179730	31.	<5.	78.	0.5	63.	1637.	233.	<0.5	<5.	98.	4.67	0.073	2.26	0.43	8.42	3.05	14.	<2.	
RX 179731	13.	11.	39.	<0.3	13.	265.	477.	<0.5	<5.	32.	2.15	0.044	0.59	0.10	7.89	2.49	5.	<2.	



LEGEND

OXFORD LAKE GROUP

13 Chemical Sediments
- a Chert–Magnetite Iron Formation

12 Clastic Sediments
- a Argillite
- b Siltstone
- c Wacke
- d Conglomerate

11 Felsic to Intermediate Volcanics
- a Flows
- b Lapilli Tuff

BAYLY LAKE COMPLEX

10 Felsic Intrusives
- a Granite
- b Granodiorite
- c Porphyritic Granite
- d Felsic Dike

9 Intermediate Intrusives
- a Monzonite
- b Diorite

8 Mafic Intrusives
- a Gabbro
- b Melagabbro
- c Mafic Dike

HAYES RIVER GROUP

7 Clastic Sediments
- a Argillite
- b Siltstone

6 Chemical Sediments
- a Chert
- b Chert–Magnetite Iron Formation

5 Felsic Volcanics (Rhyolite) and Related Intrusions
- a Massive
- b Porphyritic
- c Tuff
- d Lithic Tuff
- e Crystal Tuff
- f Lapilli Tuff
- g Tuff Breccia
- h Debris Flow
- i Quartz Porphyritic Felsic Dike

4 Intermediate to Felsic Volcanics (Dacite) and Related Intrusions
- a Massive
- b Pillowed
- c Porphyritic
- d Tuff
- e Lithic Tuff
- f Crystal Tuff
- g Lapilli Tuff
- h Tuff Breccia
- i Debris Flow
- j Flow Top Breccia
- k Felsic Dike

3 Mafic to Intermediate Volcanics (Andesite) and Related Intrusions
- a Massive
- b Massive Medium Grained
- c Pillowed
- d Porphyritic
- e Amygdaloidal
- f Tuff
- g Lapilli Tuff
- h Debris Flow
- i Flow Top Breccia
- j Amphibole Porphyritic
- k Tuff Breccia
- l Crystal Tuff
- m Pillow Breccia
- n Mafic Dike

2 Mafic Volcanics (Basalt) and Related Intrusions
- a Massive
- b Massive Medium Grained
- c Pillowed
- d Porphyritic
- e Amygdaloidal
- f Tuff
- g Lapilli Tuff
- h Debris Flow
- i Flow Top Breccia
- j Variolitic
- k Pillow Breccia
- l Mafic Dike

1 Ultramafic Volcanics/Sills
- a Massive

N

1	2
3	4
5	6
7	8
9	10

SYMBOLS

- Outcrop (Small, Large, Float)
- Lithologic Contact (Observed, Inferred)
- Traverse Line
- RX175642 Sample Location, Number with Assay if > 0.1% Zn, 0.1% Cu or 0.1 g/t Au
- Strike and Dip of Bedding, Lithologic Contact (Vertical, Inclined, Tops known)
- Strike and Dip of Foliation (Vertical, Inclined, Dip unknown)
- Strike and Dip of Pillows (Vertical, Inclined, Overturned, Tops known)
- Trend and Plunge of Mineral Lineation
- Fold Axis (Syncline, Anticline, Overturned Anticline)
- Trend and plunge of minor folds (S, Z, plunge unknown)
- Fault (Sinistral, Dextral)
- Topographic Lineament
- Road, Winter Road, Airstrip

ABBREVIATIONS

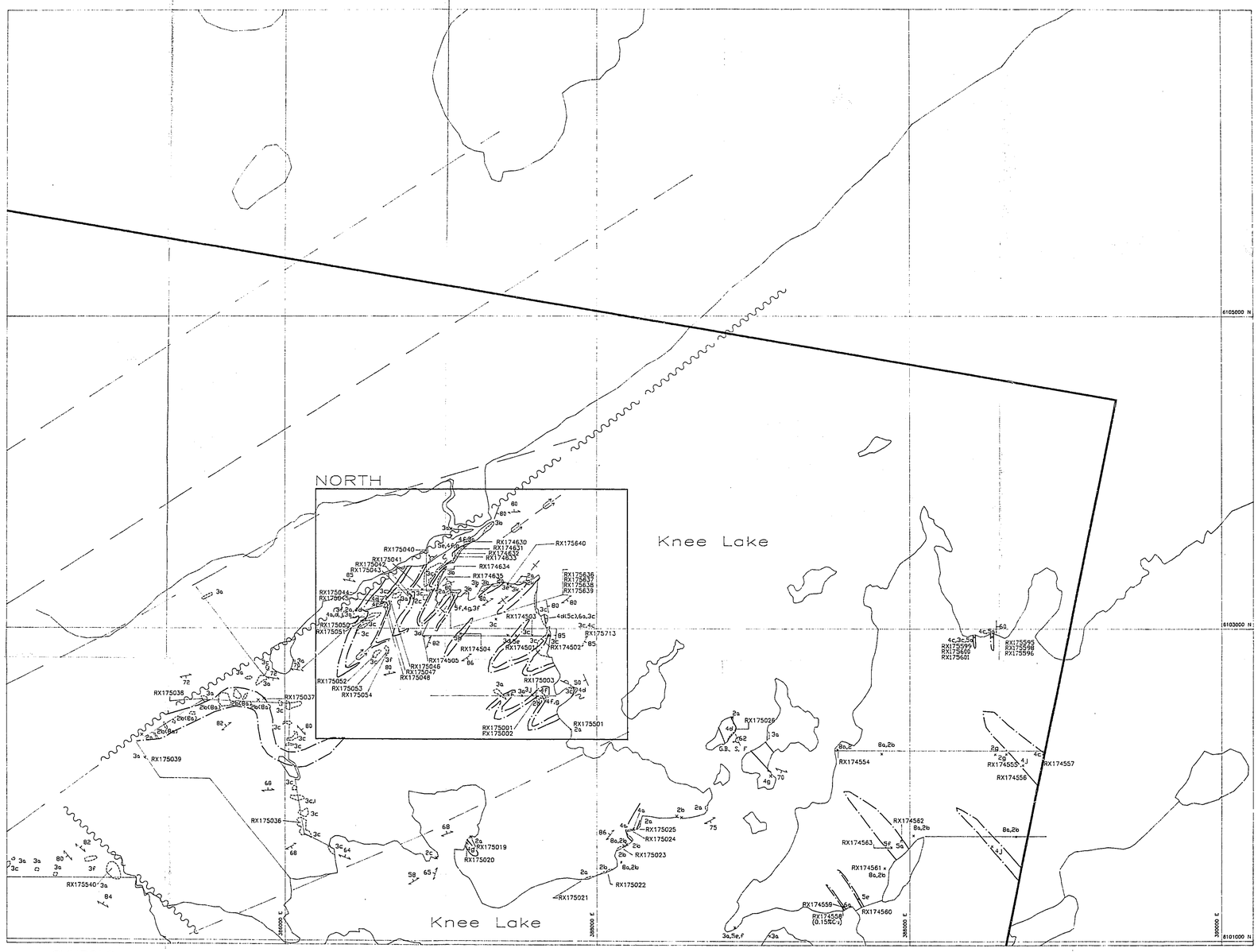
- Permit Boundary
- Claim Post, Claim Line
- Area of interest
- SOUTH
- Buildings

Fe Carb, Ca Carb	Iron carbonate, Calcium carbonate	GB, F, Sc	Graded bedding, Flame Structure, Scour
chlc	Chloritic	Tr	Trace
serc	Sericitic	py, po	Pyrite, Pyrrhotite
silfd	Silicified	cp, sp, Au	Chalcopyrite, Sphalerite, Gold
wkly, mody, stry	Weakly, Moderately, Strongly	mt	Magnetite

INCO EXPLORATION AND TECHNICAL SERVICES INC.
Thompson, Manitoba
RSN 154

Project: Knee Lake		Area: Knee Lake, Manitoba	
GEOLOGICAL SURVEY		SHEET 1	FIGURE
Supervisor: J.J. Hannila	Instrument:	Survey date: 06/92–07/92	
Compiled by: S.J. Mooney	Drawn by: D.S., S.J.M.	Date drawn: 02/93	Revised:
Scale: 1:10,000	File: KNEEONE.DWG	N.T.S.: 53M/2	72-612

30X



LEGEND

OXFORD LAKE GROUP

13 Chemical Sediments
- a Chert–Magnetite Iron Formation

12 Clastic Sediments
- a Argillite
- b Siltstone
- c Wacke
- d Conglomerate

11 Felsic to Intermediate Volcanics
- a Flows
- b Lapilli Tuff

BAYLY LAKE COMPLEX

10 Felsic Intrusives
- a Granite
- b Granodiorite
- c Porphyritic Granite
- d Felsic Dike

9 Intermediate Intrusives
- a Monzonite
- b Diorite

8 Mafic Intrusives
- a Gabbro
- b Melagabbro
- c Mafic Dike

HAYES RIVER GROUP

7 Clastic Sediments
- a Argillite
- b Siltstone

6 Chemical Sediments
- a Chert
- b Chert–Magnetite Iron Formation

5 Felsic Volcanics (Rhyolite) and Related Intrusions
- a Massive
- b Porphyritic
- c Tuff
- d Lithic Tuff
- e Crystal Tuff
- f Lapilli Tuff
- g Tuff Breccia
- h Debris Flow
- i Quartz Porphyritic Felsic Dike

4 Intermediate to Felsic Volcanics (Dacite) and Related Intrusions
- a Massive
- b Pillowed
- c Porphyritic
- d Tuff
- e Lithic Tuff
- f Crystal Tuff
- g Lapilli Tuff
- h Tuff Breccia
- i Debris Flow
- j Flow Top Breccia
- k Felsic Dike

3 Mafic to Intermediate Volcanics (Andesite) and Related Intrusions
- a Massive
- b Massive Medium Grained
- c Pillowed
- d Porphyritic
- e Amygdaloidal
- f Tuff
- g Lapilli Tuff
- h Debris Flow
- i Flow Top Breccia
- j Amphibole Porphyritic
- k Tuff Breccia
- l Crystal Tuff
- m Pillow Breccia
- n Mafic Dike

2 Mafic Volcanics (Basalt) and Related Intrusions
- a Massive
- b Massive Medium Grained
- c Pillowed
- d Porphyritic
- e Amygdaloidal
- f Tuff
- g Lapilli Tuff
- h Debris Flow
- i Flow Top Breccia
- j Variolitic
- k Pillow Breccia
- l Mafic Dike

1 Ultramafic Volcanics/Sills
- a Massive

N

1	2
3	4
5	6
7	8
9	10

SYMBOLS

- Outcrop (Small, Large, Float)
- Lithologic Contact (Observed, Inferred)
- Traverse Line
- RX175642 Sample Location, Number with Assay if > 0.1% Zn, 0.1% Cu or ..: g/t Au
- Strike and Dip of Bedding, Lithologic Contact (Vertical, Inclined, Tops known)
- Strike and Dip of Foliation (Vertical, Inclined, Dip unknown)
- Strike and Dip of Pillows (Vertical, Inclined, Overturned, Tops known)
- Trend and Plunge of Mineral Lineation
- Fold Axis (Syncline, Anticline, Overturned Anticline)
- Trend and plunge of minor folds (S, Z, plunge unknown)
- Fault (Sinistral, Dextral)
- Topographic Lineament
- Road, Winter Road, Airstrip

ABBREVIATIONS

- Permit Boundary
- Claim Post, Claim Line
- Area of Interest
- SOUTH
- Buildings

Fe Carb, Ca Carb	Iron carbonate, Calcium carbonate	GB, F, Sc	Graded Bedding, Flame Structure, Scour
chlc	Chloritic	Tr	Trace
serc	Sericitic	py, po	Pyrite, Pyrrhotite
silf	Silicified	cp, sp, Au	Chalcopyrite, Sphalerite, Gold
wkly, mody, stry	Weakly, Moderately, Strongly	mt	Magnetite

INCO EXPLORATION AND TECHNICAL SERVICES INC.
Thompson, Manitoba R8N 1S4

Project: Knee Lake		Area: Knee Lake, Manitoba	
GEOLOGICAL SURVEY		SHEET 2	FIGURE
Supervisor: J.J. Hannila	Instrument:	Survey date: 08/92–07/92	
Compiled & / S.J. Mooney	Drawn by: D.S., S.J.M.	Date drawn: 02/93	Revised:
Scale: 1:10,000	File: KNEETWO.DWG	N.T.S. 53M/2	72612

LEGEND

OXFORD LAKE GROUP

13 Chemical Sediments
- a Chert–Magnetite Iron Formation

12 Clastic Sediments
- a Argillite
- b Siltstone
- c Wacke
- d Conglomerate

11 Felsic to Intermediate Volcanics
- a Flows
- b Lapilli Tuff

BAYLY LAKE COMPLEX

10 Felsic Intrusives
- a Granite
- b Granodiorite
- c Porphyritic Granite
- d Felsic Dike

9 Intermediate Intrusives
- a Monzonite
- b Diorite

8 Mafic Intrusives
- a Gabbro
- b Melagabbro
- c Mafic Dike

HAYES RIVER GROUP

7 Clastic Sediments
- a Argillite
- b Siltstone

6 Chemical Sediments
- a Chert
- b Chert–Magnetite Iron Formation

5 Felsic Volcanics (Rhyolite) and Related Intrusions
- a Massive
- b Porphyritic
- c Tuff
- d Lithic Tuff
- e Crystal Tuff
- f Lapilli Tuff
- g Tuff Breccia
- h Debris Flow
- i Quartz Porphyritic Felsic Dike

4 Intermediate to Felsic Volcanics (Dacite) and Related Intrusions
- a Massive
- b Pillowed
- c Porphyritic
- d Tuff
- e Lithic Tuff
- f Crystal Tuff
- g Lapilli Tuff
- h Tuff Breccia
- i Debris Flow
- j Flow Top Breccia
- k Felsic Dike

3 Mafic to Intermediate Volcanics (Andesite) and Related Intrusions
- a Massive
- b Massive Medium Grained
- c Pillowed
- d Porphyritic
- e Amygdaloidal
- f Tuff
- g Lapilli Tuff
- h Debris Flow
- i Flow Top Breccia
- j Amphibole Porphyritic
- k Tuff Breccia
- l Crystal Tuff
- m Pillow Breccia
- n Mafic Dike

2 Mafic Volcanics (Basalt) and Related Intrusions
- a Massive
- b Massive Medium Grained
- c Pillowed
- d Porphyritic
- e Amygdaloidal
- f Tuff
- g Lapilli Tuff
- h Debris Flow
- i Flow Top Breccia
- j Variolitic
- k Pillow Breccia
- l Mafic Dike

1 Ultramafic Volcanics/Sills
- a Massive

N

1	2
3	4
5	6
7	8
9	10

SYMBOLS

- Outcrop (Small, Large, Float)
- Lithologic Contact (Observed, Inferred)
- Traverse Line
- RX175042 Sample Location, Number with Assay if > 0.1% Zn, 0.1% Cu or 0.1 g/t Au
- Strike and Dip of Bedding, Lithologic Contact (Vertical, Inclined, Tops known)
- Strike and Dip of Foliation (Vertical, Inclined, Dip unknown)
- Strike and Dip of Pillows (Vertical, Inclined, Overturned, Tops known)
- Trend and Plunge of Mineral Lineation
- Fold Axis (Syncline, Anticline, Overturned Anticline)
- Trend and plunge of minor folds (S, Z, plunge unknown)
- Fault (Sinistral, Dextral)
- Topographic Lineament
- Road, Winter Road, Airstrip

ABBREVIATIONS

- Permit Boundary
- Claim Post, Claim Line
- Area of interest
- Buildings

Fe Carb, Ca Carb	Iron carbonate, Calcium carbonate	GB, F, Sc	Graded bedding, Flame Structure, Scour
chlc	Chloritic	Tr	Trace
serc	Sericitic	py, po	Pyrite, Pyrrhotite
silfd	Silicified	cp, sp, Au	Chalcopyrite, Sphalerite, Gold
wkly, mody, stry	Weakly, Moderately, Strongly	mt	Magnetite

INCO EXPLORATION AND TECHNICAL SERVICES INC.
Thompson, Manitoba
RBN 154

Project: Knee Lake
Area: Knee Lake, Manitoba
72612

GEOLOGICAL SURVEY

SHEET 3
FIGURE

Supervisor: J.J. Hannila	Instrument:	Survey date: 08/92–07/92	
Compiled by: S.J. Mooney	Drawn by: D.S., S.J.M.	Date drawn: 02/93	Revised:
Scale: 1:10,000	File: KNEETHR.DWG	N.T.S.: 53M/2, 53L/15	

30X

LEGEND

OXFORD LAKE GROUP

13 Chemical Sediments
- a Chert–Magnetite Iron Formation

12 Clastic Sediments
- a Argillite
- b Siltstone
- c Wacke
- d Conglomerate

11 Felsic to Intermediate Volcanics
- a Flows
- b Lapilli Tuff

BAYLY LAKE COMPLEX

10 Felsic Intrusives
- a Granite
- b Granodiorite
- c Porphyritic Granite
- d Felsic Dike

9 Intermediate Intrusives
- a Monzonite
- b Diorite

8 Mafic Intrusives
- a Gabbro
- b Melagabbro
- c Mafic Dike

HAYES RIVER GROUP

7 Clastic Sediments
- a Argillite
- b Siltstone

6 Chemical Sediments
- a Chert
- b Chert–Magnetite Iron Formation

5 Felsic Volcanics (Rhyolite) and Related Intrusions
- a Massive
- b Porphyritic
- c Tuff
- d Lithic Tuff
- e Crystal Tuff
- f Lapilli Tuff
- g Tuff Breccia
- h Debris Flow
- i Quartz Porphyritic Felsic Dike

4 Intermediate to Felsic Volcanics (Dacite) and Related Intrusions
- a Massive
- b Pillowed
- c Porphyritic
- d Tuff
- e Lithic Tuff
- f Crystal Tuff
- g Lapilli Tuff
- h Tuff Breccia
- i Debris Flow
- j Flow Top Breccia
- k Felsic Dike

3 Mafic to Intermediate Volcanics (Andesite) and Related Intrusions
- a Massive
- b Massive Medium Grained
- c Pillowed
- d Porphyritic
- e Amygdaloidal
- f Tuff
- g Lapilli Tuff
- h Debris Flow
- i Flow Top Breccia
- j Amphibole Porphyritic
- k Tuff Breccia
- l Crystal Tuff
- m Pillow Breccia
- n Mafic Dike

2 Mafic Volcanics (Basalt) and Related Intrusions
- a Massive
- b Massive Medium Grained
- c Pillowed
- d Porphyritic
- e Amygdaloidal
- f Tuff
- g Lapilli Tuff
- h Debris Flow
- i Flow Top Breccia
- j Variolitic
- k Pillow Breccia
- l Mafic Dike

1 Ultramafic Volcanics/Sills
- a Massive

N

1	2
3	4
5	6
7	8
9	10

SYMBOLS

- Outcrop (Small, Large, Float)
- Lithologic Contact (Observed, Inferred)
- Traverse Line
- RX175642 Sample Location, Number with Assay if > 0.1% Zn, 0.1% Cu or 0.1 g/t Au
- Strike and Dip of Bedding, Lithologic Contact (Vertical, Inclined, Tops known)
- Strike and Dip of Foliation (Vertical, Inclined, Dip unknown)
- Strike and Dip of Pillows (Vertical, Inclined, Overturned, Tops known)
- Trend and Plunge of Mineral Lineation
- Fold Axis (Syncline, Anticline, Overturned Anticline)
- Trend and plunge of minor folds (S, Z, plunge unknown)
- Fault (Sinistral, Dextral)
- Topographic Lineament
- Road, Winter Road, Airstrip

ABBREVIATIONS

- Permit Boundary
- Claim Post, Claim Line
- Area of Interest
- SOUTH
- Buildings

Fe Carb, Ca Carb	Iron carbonate, Calcium carbonate	GB, F, Sc	Graded bedding, Flame Structure, Scour
chlc	Chloritic	Tr	Trace
serc	Sericitic	py, po	Pyrite, Pyrrhotite
silfd	Silicified	cp, sp, Au	Chalcopyrite, Sphalerite, Gold
wkly, mody, stry	Weakly, Moderately, Strongly	mt	Magnetite

INCO EXPLORATION AND TECHNICAL SERVICES INC.
Thompson, Manitoba
R8N 1S4

Project: Knee Lake
Area: Knee Lake, Manitoba
72612

GEOLOGICAL SURVEY

SHEET 4
FIGURE

Supervisor: J.J. Hannila	Instrument:	Survey date: 08/92–07/93
Compiled by: S.J. Mooney	Drawn by: D.S., S.J.M.	Date drawn: 02/93 / Revised:
Scale: 1:10,000	File: KNEEFOR.DWG	N.T.S.: 53M/2, 53L/15

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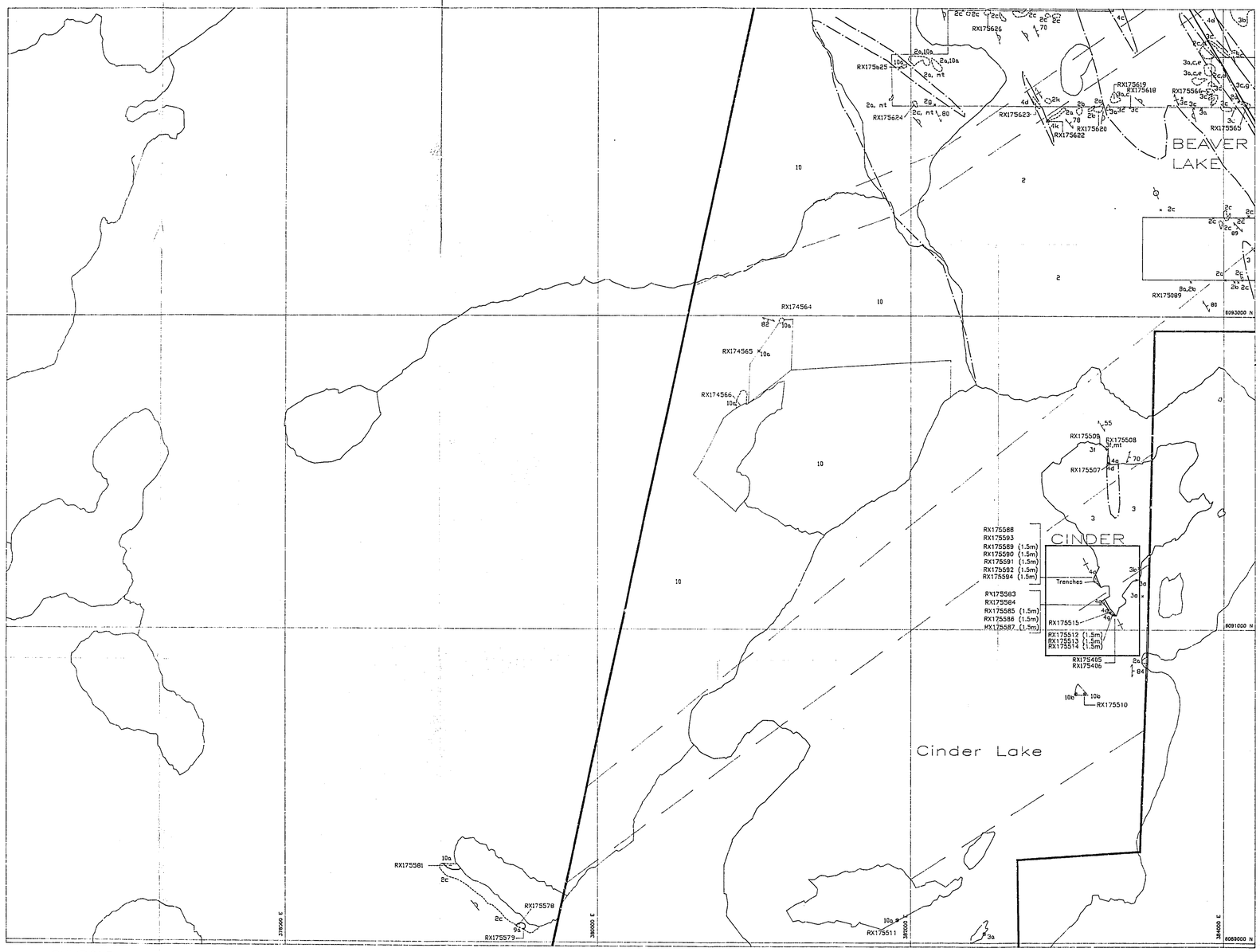

LEGEND

OXFORD LAKE GROUP

13 Chemical Sediments
- a Chert–Magnetite Iron Formation

12 Clastic Sediments
- a Argillite
- b Siltstone
- c Wacke
- d Conglomerate

11 Felsic to Intermediate Volcanics
- a Flows
- b Lapilli Tuff

BAYLY LAKE COMPLEX

10 Felsic Intrusives
- a Granite
- b Granodiorite
- c Porphyritic Granite
- d Felsic Dike

9 Intermediate Intrusives
- a Monzonite
- b Diorite

8 Mafic Intrusives
- a Gabbro
- b Meogabbro
- c Mafic Dike

HAYES RIVER GROUP

7 Clastic Sediments
- a Argillite
- b Siltstone

6 Chemical Sediments
- a Chert
- b Chert–Magnetite Iron Formation

5 Felsic Volcanics (Rhyolite) and Related Intrusions
- a Massive
- b Porphyritic
- c Tuff
- d Lithic Tuff
- e Crystal Tuff
- f Lapilli Tuff
- g Tuff Breccia
- h Debris Flow
- i Quartz Porphyritic Felsic Dike

4 Intermediate to Felsic Volcanics (Dacite) and Related Intrusions
- a Massive
- b Pillowed
- c Porphyritic
- d Tuff
- e Lithic Tuff
- f Crystal Tuff
- g Lapilli Tuff
- h Tuff Breccia
- i Debris Flow
- j Flow Top Breccia
- k Felsic Dike

3 Mafic to Intermediate Volcanics (Andesite) and Related Intrusions
- a Massive
- b Massive Medium Grained
- c Pillowed
- d Porphyritic
- e Amygdaloidal
- f Tuff
- g Lapilli Tuff
- h Debris Flow
- i Flow Top Breccia
- j Amphibole Porphyritic
- k Tuff Breccia
- l Crystal Tuff
- m Pillow Breccia
- n Mafic Dike

2 Mafic Volcanics (Basalt) and Related Intrusions
- a Massive
- b Massive Medium Grained
- c Pillowed
- d Porphyritic
- e Amygdaloidal
- f Tuff
- g Lapilli Tuff
- h Debris Flow
- i Flow Top Breccia
- j Variolitic
- k Pillow Breccia
- l Mafic Dike

1 Ultramafic Volcanics/Sills
- a Massive

N

1	2
3	4
5	6
7	8
9	10

SYMBOLS

- Outcrop (Small, Large, Float)
- Lithologic Contact (Observed, Inferred)
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- RX175642 Sample Location, Number with Assay if > 0.1% Zn, 0.1% Cu or 0.1 g/t Au
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- Strike and Dip of Foliation (Vertical, Inclined, Dip unknown)
- Strike and Dip of Pillows (Vertical, Inclined, Overturned, Tops known)
- Trend and Plunge of Mineral Lineation
- Fold Axis (Syncline, Anticline, Overturned Anticline)
- Trend and plunge of minor folds (S, Z, plunge unknown)
- Fault (Sinistral, Dextral)
- Topographic Lineament
- Road, Winter Road, Airstrip

ABBREVIATIONS

- Permit Boundary
- Claim Post, Claim Line
- Area of Interest
- SOUTH
- Buildings

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wkly, mody, stry	Weakly, Moderately, Strongly	mt	Magnetite

INCO EXPLORATION AND TECHNICAL SERVICES INC.
Copper Cliff, Ontario
P0M 1N0

Project: KNEE LAKE
Area: Knee Lake, Manitoba

GEOLOGICAL SURVEY

SHEET 5
FIGURE 72612

Supervisor: J.J. Hanilla	Instrument:	Survey date: 08/92–07/92
Compiled by: S.J. Mooney	Drawn by: D.S., S.J.M.	Date drawn: 02/93 Revised:
Scale: 1:10,000	File: KNEEFIN.DWG	N.T.S.: 53J/15

LEGEND

OXFORD LAKE GROUP

13 Chemical Sediments
- a Chert–Magnetite Iron Formation

12 Clastic Sediments
- a Argillite
- b Siltstone
- c Wacke
- d Conglomerate

11 Felsic to Intermediate Volcanics
- a Flows
- b Lapilli Tuff

BAYLY LAKE COMPLEX

10 Felsic Intrusives
- a Granite
- b Granodiorite
- c Porphyritic Granite
- d Felsic Dike

9 Intermediate Intrusives
- a Monzonite
- b Diorite

8 Mafic Intrusives
- a Gabbro
- b Melagabbro
- c Mafic Dike

HAYES RIVER GROUP

7 Clastic Sediments
- a Argillite
- b Siltstone

6 Chemical Sediments
- a Chert
- b Chert–Magnetite Iron Formation

5 Felsic Volcanics (Rhyolite) and Related Intrusions
- a Massive
- b Porphyritic
- c Tuff
- d Lithic Tuff
- e Crystal Tuff
- f Lapilli Tuff
- g Tuff Breccia
- h Debris Flow
- i Quartz Porphyritic Felsic Dike

4 Intermediate to Felsic Volcanics (Dacite) and Related Intrusions
- a Massive
- b Pillowed
- c Porphyritic
- d Tuff
- e Lithic Tuff
- f Crystal Tuff
- g Lapilli Tuff
- h Tuff Breccia
- i Debris Flow
- j Flow Top Breccia
- k Felsic Dike

3 Mafic to Intermediate Volcanics (Andesite) and Related Intrusions
- a Massive
- b Massive Medium Grained
- c Pillowed
- d Porphyritic
- e Amygdaloidal
- f Tuff
- g Lapilli Tuff
- h Debris Flow
- i Flow Top Breccia
- j Amphibole Porphyritic
- k Tuff Breccia
- l Crystal Tuff
- m Pillow Breccia
- n Mafic Dike

2 Mafic Volcanics (Basalt) and Related Intrusions
- a Massive
- b Massive Medium Grained
- c Pillowed
- d Porphyritic
- e Amygdaloidal
- f Tuff
- g Lapilli Tuff
- h Debris Flow
- i Flow Top Breccia
- j Variolitic
- k Pillow Breccia
- l Mafic Dike

1 Ultramafic Volcanics/Sills
- a Massive

N

1	2
3	4
5	6
7	8
9	10

SYMBOLS

- Outcrop (Small, Large, Float)
- Lithologic Contact (Observed, Inferred)
- Traverse Line
- RX175642 Sample Location, Number with Assay if > 0.1% Zn, 0.1% Cu or 0.1 g/t Au
- Strike and Dip of Bedding, Lithologic Contact (Vertical, Inclined, Tops known)
- Strike and Dip of Foliation (Vertical, Inclined, Dip unknown)
- Strike and Dip of Pillows (Vertical, Inclined, Overturned, Tops known)
- Trend and Plunge of Mineral Lineation
- Fold Axis (Syncline, Anticline, Overturned Anticline)
- Trend and plunge of minor folds (S, Z, plunge unknown)
- Fault (Sinistral, Dextral)
- Topographic Lineament
- Road, Winter Road, Airstrip
- Permit Boundary
- Claim Post, Claim Line
- Area of Interest
- SOUTH
- Buildings

ABBREVIATIONS

Fe Carb, Ca Carb	Iron carbonate, Calcium carbonate	GB, F, Sc	Graded bedding, Flame Structure, Scour
chlc	Chloritic	Tr	Trace
serc	Sericitic	py, po	Pyrite, Pyrrhotite
silfd	Silicified	cp, sp, Au	Chalcopyrite, Sphalerite, Gold
wkly, mndy, strly	Weakly, Moderately, Strongly	mt	Magnetite

INCO EXPLORATION AND TECHNICAL SERVICES INC.
Copper Cliff, Ontario P0M 1N0

Project: KNEE LAKE
Area: Knee Lake, Mar Jobs

GEOLOGICAL SURVEY

SHEET 6
FIGURE 22612

Supervisor: J.J. Hannila	Instrument:	Survey date: 08/92–07/92	
Compiled by: S.J. Mooney	Drawn by: D.S., S.J.M.	Date drawn: 02/93	Revised:
Scale: 1:10,000	File: KNEESIX.DWG	N.T.S.: 53L/15	

30X

LEGEND

OXFORD LAKE GROUP

13 Chemical Sediments
- a Chert–Magnetite Iron Formation

12 Clastic Sediments
- a Argillite
- b Siltstone
- c Wacke
- d Conglomerate

11 Felsic to Intermediate Volcanics
- a Flows
- b Lapilli Tuff

BAYLY LAKE COMPLEX

10 Felsic Intrusives
- a Granite
- b Granodiorite
- c Porphyritic Granite
- d Felsic Dike

9 Intermediate Intrusives
- a Monzonite
- b Diorite

8 Mafic Intrusives
- a Gabbro
- b Melagabbro
- c Mafic Dike

HAYES RIVER GROUP

7 Clastic Sediments
- a Argillite
- b Siltstone

6 Chemical Sediments
- a Chert
- b Chert–Magnetite Iron Formation

5 Felsic Volcanics (Rhyolite) and Related Intrusions
- a Massive
- b Porphyritic
- c Tuff
- d Lithic Tuff
- e Crystal Tuff
- f Lapilli Tuff
- g Tuff Breccia
- h Debris Flow
- i Quartz Porphyritic Felsic Dike

4 Intermediate to Felsic Volcanics (Dacite) and Related Intrusions
- a Massive
- b Pillowed
- c Porphyritic
- d Tuff
- e Lithic Tuff
- f Crystal Tuff
- g Lapilli Tuff
- h Tuff Breccia
- i Debris Flow
- j Flow Top Breccia
- k Felsic Dike

3 Mafic to Intermediate Volcanics (Andesite) and Related Intrusions
- a Massive
- b Massive Medium Grained
- c Pillowed
- d Porphyritic
- e Amygdaloidal
- f Tuff
- g Lapilli Tuff
- h Debris Flow
- i Flow Top Breccia
- j Amphibole Porphyritic
- k Tuff Breccia
- l Crystal Tuff
- m Pillow Breccia
- n Mafic Dike

2 Mafic Volcanics (Basalt) and Related Intrusions
- a Massive
- b Massive Medium Grained
- c Pillowed
- d Porphyritic
- e Amygdaloidal
- f Tuff
- g Lapilli Tuff
- h Debris Flow
- i Flow Top Breccia
- j Variolitic
- k Pillow Breccia
- l Mafic Dike

1 Ultramafic Volcanics/Sills
- a Massive

N

1	2
3	4
5	6
7	8
9	10

SYMBOLS

- Outcrop (Small, Large, Float)
- Lithologic Contact (Observed, Inferred)
- Traverse Line
- RX175642 Sample Location, Number with Assay if > 0.1% Zn, 0.1% Cu or 0.1 g/t Au
- Strike and Dip of Bedding, Lithologic Contact (Vertical, Inclined, Tops known)
- Strike and Dip of Foliation (Vertical, Inclined, Dip unknown)
- Strike and Dip of Pillows (Vertical, Inclined, Overturned, Tops known)
- Trend and Plunge of Mineral Lineation
- Fold Axis (Syncline, Anticline, Overturned Anticline)
- Trend and plunge of minor folds (S, Z, plunge unknown)
- Fault (Sinistral, Dextral)
- Topographic Lineament
- Road, Winter Road, Airstrip

ABBREVIATIONS

- Permit Boundary
- Claim Post, Claim Line
- Area of interest
- SOUTH
- Buildings

Fe Carb, Ca Carb	Iron carbonate, Calcium carbonate	GB, F, Sc	Graded bedding, Flame Structure, Scour
chlc	Chloritic	Tr	Trace
serc	Sericitic	py, po	Pyrite, Pyrrhotite
silf	Silicified	cp, sp, Au	Chalcopyrite, Sphalerite, Gold
wkly, mody, stry	Weakly, Moderately, Strongly	mt	Magnetite

INCO EXPLORATION AND TECHNICAL SERVICES INC. Thompson, Manitoba RBN 154

Project: KNEE LAKE | Area: Knee Lake, Manitoba

GEOLOGICAL SURVEY

SHEET 7 | FIGURE 72612

Supervisor: J.J. Hanila	Instrument:	Survey date: 06/92–07/92	
Compiled by: S.J. Mooney	Drawn by: D.S., S.J.M.	Date drawn: 02/93	Revised:
Scale: 1:10,000	File: KNEESEV.DWG	N.T.S.: 53L/15	

30X

LEGEND

OXFORD LAKE GROUP

13 Chemical Sediments
- a Chert–Magnetite Iron Formation

12 Clastic Sediments
- a Argillite
- b Siltstone
- c Wacke
- d Conglomerate

11 Felsic to Intermediate Volcanics
- a Flows
- b Lapilli Tuff

BAYLY LAKE COMPLEX

10 Felsic Intrusives
- a Granite
- b Granodiorite
- c Porphyritic Granite
- d Felsic Dike

9 Intermediate Intrusives
- a Monzonite
- b Diorite

8 Mafic Intrusives
- a Gabbro
- b Metagabbro
- c Mafic Dike

HAYES RIVER GROUP

7 Clastic Sediments
- a Argillite
- b Siltstone

6 Chemical Sediments
- a Chert
- b Chert–Magnetite Iron Formation

5 Felsic Volcanics (Rhyolite) and Related Intrusions
- a Massive
- b Porphyritic
- c Tuff
- d Lithic Tuff
- e Crystal Tuff
- f Lapilli Tuff
- g Tuff Breccia
- h Debris Flow
- i Quartz Porphyritic Felsic Dike

4 Intermediate to Felsic Volcanics (Dacite) and Related Intrusions
- a Massive
- b Pillowed
- c Porphyritic
- d Tuff
- e Lithic Tuff
- f Crystal Tuff
- g Lapilli Tuff
- h Tuff Breccia
- i Debris Flow
- j Flow Top Breccia
- k Felsic Dike

3 Mafic to Intermediate Volcanics (Andesite) and Related Intrusions
- a Massive
- b Massive Medium Grained
- c Pillowed
- d Porphyritic
- e Amygdaloidal
- f Tuff
- g Lapilli Tuff
- h Debris Flow
- i Flow Top Breccia
- j Amphibole Porphyritic
- k Tuff Breccia
- l Crystal Tuff
- m Pillow Breccia
- n Mafic Dike

2 Mafic Volcanics (Basalt) and Related Intrusions
- a Massive
- b Massive Medium Grained
- c Pillowed
- d Porphyritic
- e Amygdaloidal
- f Tuff
- g Lapilli Tuff
- h Debris Flow
- i Flow Top Breccia
- j Variolitic
- k Pillow Breccia
- l Mafic Dike

1 Ultramafic Volcanics/Sills
- a Massive

N

1	2
3	4
5	6
7	8
9	10

SYMBOLS

- Outcrop (Small, Large, Float)
- Lithologic Contact (Observed, Inferred)
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- RX175642 Sample Location, Number with Assay if > 0.1% Zn, 0.1% Cu or 0.1 g/t Au
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- Strike and Dip of Pillows (Vertical, Inclined, Overturned, Tops known)
- Trend and Plunge of Mineral Lineation
- Fold Axis (Syncline, Anticline, Overturned Anticline)
- Trend and plunge of minor folds (S, Z, plunge unknown)
- Fault (Sinistral, Dextral)
- Topographic Lineament
- Road, Winter Road, Airstrip

ABBREVIATIONS

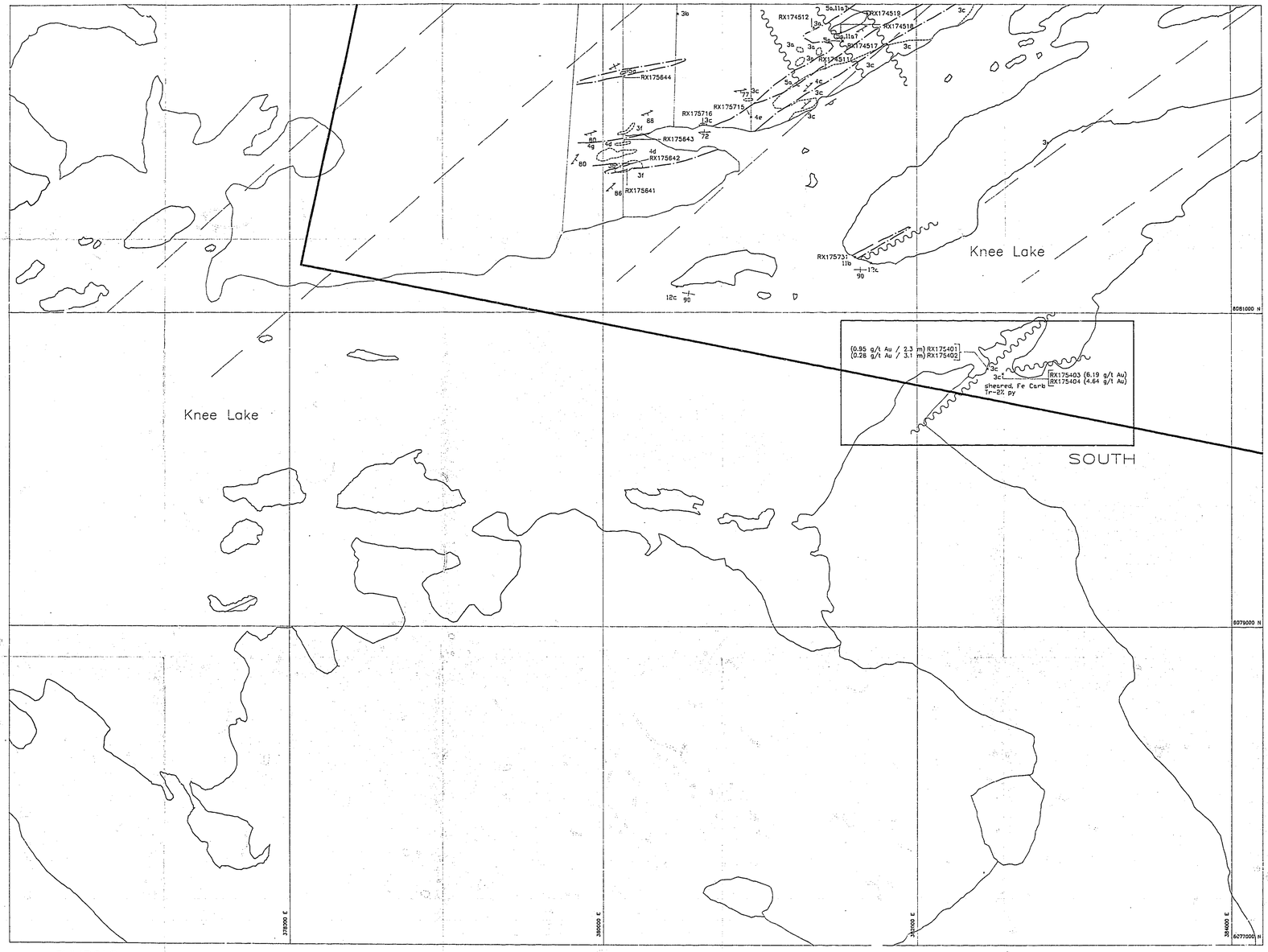
- Permit Boundary
- Claim Post, Claim Line
- Area of Interest
- SOUTH
- Buildings

Fe Carb, Ca Carb	Iron carbonate, Calcium carbonate	GB, F, Sc	Graded bedding, Flame Structure, Scour
chlc	Chloritic	Tr	Trace
serc	Sericitic	py, po	Pyrite, Pyrrhotite
slfd	Silicified	cp, sp, Au	Chalcopyrite, Sphalerite, Gold
wkly, mody, stry	Weakly, Moderately, Strongly	mt	Magnetite

INCO EXPLORATION AND TECHNICAL SERVICES INC.
Thompson, Manitoba R8N 1S4

Project: KNEE LAKE	Area: Knee Lake, Manitoba	
GEOLOGICAL SURVEY	SHEET 8	FIGURE 72612
Supervisor: J.J. Honila	Instrument:	Survey date: 06/92–07/92
Compiled by: S.J. Mooney	Drawn by: D.S., S.J.M.	Date drawn: 11/93 / Revised:
Scale: 1:10,000	File: KNEEDO.DWG	N.T.S.: 53L/15

30X



LEGEND

OXFORD LAKE GROUP

13 Chemical Sediments
- a Chert–Magnetite Iron Formation

12 Clastic Sediments
- a Argillite
- b Siltstone
- c Wacke
- d Conglomerate

11 Felsic to Intermediate Volcanics
- a Flows
- b Lapilli Tuff

BAYLY LAKE COMPLEX

10 Felsic Intrusives
- a Granite
- b Granodiorite
- c Porphyritic Granite
- d Felsic Dike

9 Intermediate Intrusives
- a Monzonite
- b Diorite

8 Mafic Intrusives
- a Gabbro
- b Melagabbro
- c Mafic Dike

HAYES RIVER GROUP

7 Clastic Sediments
- a Argillite
- b Siltstone

6 Chemical Sediments
- a Chert
- b Chert–Magnetite Iron Formation

5 Felsic Volcanics (Rhyolite) and Related Intrusions
- a Massive
- b Porphyritic
- c Tuff
- d Lithic Tuff
- e Crystal Tuff
- f Lapilli Tuff
- g Tuff Breccia
- h Debris Flow
- i Quartz Porphyritic Felsic Dike

4 Intermediate to Felsic Volcanics (Dacite) and Related Intrusions
- a Massive
- b Pillowed
- c Porphyritic
- d Tuff
- e Lithic Tuff
- f Crystal Tuff
- g Lapilli Tuff
- h Tuff Breccia
- i Debris Flow
- j Flow Top Breccia
- k Felsic Dike

3 Mafic to Intermediate Volcanics (Andesite) and Related Intrusions
- a Massive
- b Massive Medium Grained
- c Pillowed
- d Porphyritic
- e Amygdaloidal
- f Tuff
- g Lapilli Tuff
- h Debris Flow
- i Flow Top Breccia
- j Amphibole Porphyritic
- k Tuff Breccia
- l Crystal Tuff
- m Pillow Breccia
- n Mafic Dike

2 Mafic Volcanics (Basalt) and Related Intrusions
- a Massive
- b Massive Medium Grained
- c Pillowed
- d Porphyritic
- e Amygdaloidal
- f Tuff
- g Lapilli Tuff
- h Debris Flow
- i Flow Top Breccia
- Variolitic
- k Pillow Breccia
- l Mafic Dike

1 Ultramafic Volcanics/Sills
- a Massive

N

1	2
3	4
5	6
7	8
9	10

SYMBOLS

- Outcrop (Small, Large, Float)
- Lithologic Contact (Observed, Inferred)
- Traverse Line
- RX175642 Sample Location, Number with Assay if > 0.1% Zn, 0.1% Cu or 0.1 g/t Au
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- Strike and Dip of Pillows (Vertical, Inclined, Overturned, Tops known)
- Trend and Plunge of Mineral Lineation
- Fold Axis (Syncline, Anticline, Overturned Anticline)
- Trend and plunge of minor folds (S, Z, plunge unknown)
- Fault (Sinistral, Dextral)
- Topographic Lineament
- Road, Winter Road, Airstrip

ABBREVIATIONS

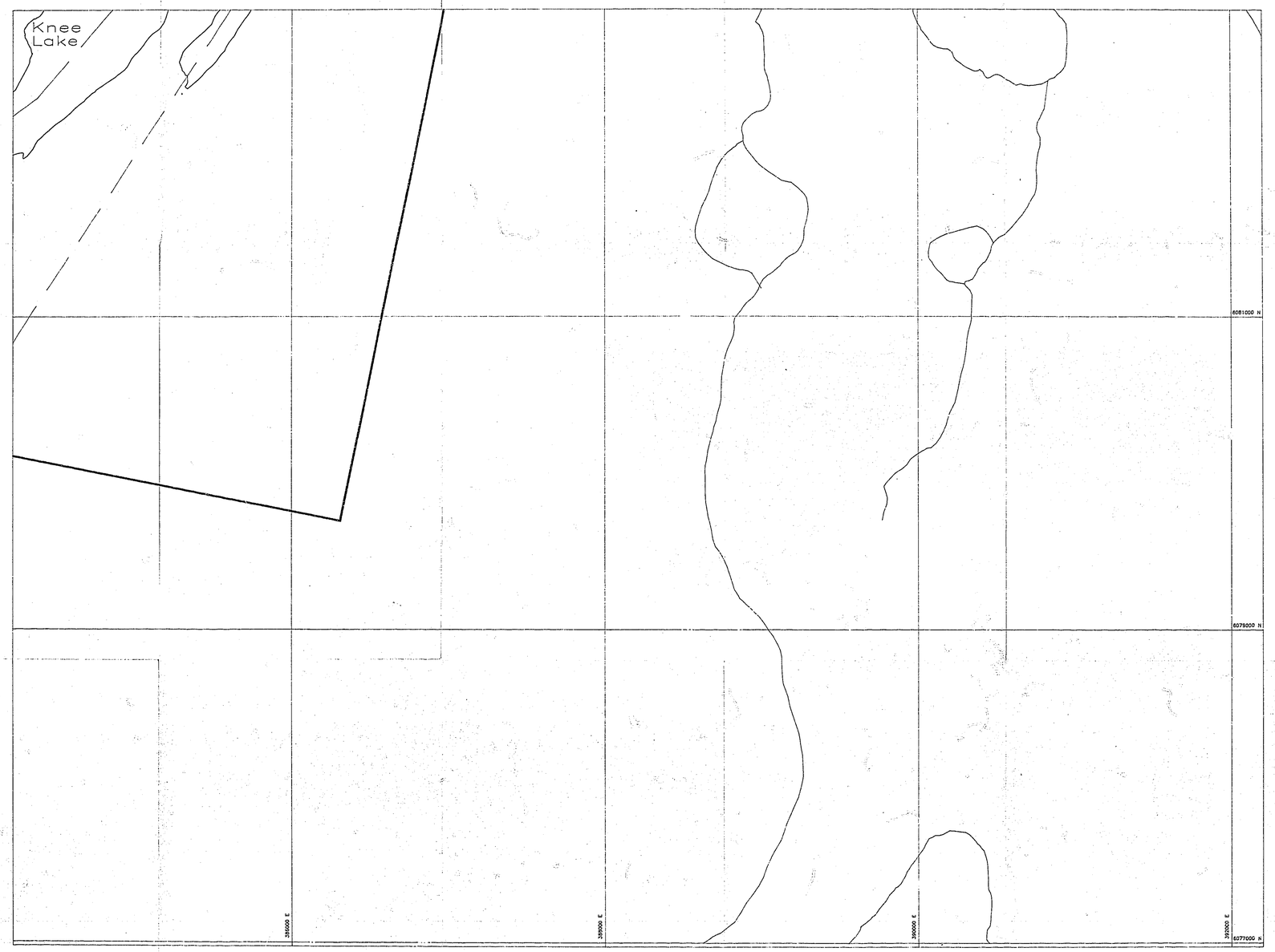
- Permit Boundary
- Claim Post, Claim Line
- Area of Interest
- SOUTH
- Buildings

Fe Carb, Ca Carb	Iron carbonate, Calcium carbonate	GB, F, Sc	Graded bedding, Flame Structure, Scour
chlc	Chloritic	Tr	Trace
serc	Sericitic	py, po	Pyrite, Pyrrhotite
silfd	Silicified	cp, sp, Au	Chalcopyrite, Sphalerite, Gold
wkly, mody, stry	Weakly, Moderately, Strongly	mt	Magnetite

INCO EXPLORATION AND TECHNICAL SERVICES INC.
Thompson, Manitoba R8N 1S4

Project: KNEE LAKE		Area: Knee Lake, Manitoba	
GEOLOGICAL SURVEY		SHEET 9	FIGURE
Supervisor: J.J. Hannila	Instrument:	Survey date: 08/92–07/92	
Compiled by: S.J. Mooney	Drawn by: D.S., S.J.M.	Date drawn: 02/93	Revised:
Scale: 1:10,000	File: KNEEMN.DWG	N.T.S.: 53L/15	72612

30X



LEGEND

OXFORD LAKE GROUP

13 Chemical Sediments
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- b Metagabbro
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- a Massive
- b Porphyritic
- c Tuff
- d Lithic Tuff
- e Crystal Tuff
- f Lapilli Tuff
- g Tuff Breccia
- h Debris Flow
- i Quartz Porphyritic Felsic Dike

4 Intermediate to Felsic Volcanics (Dacite) and Related Intrusions
- a Massive
- b Pillowed
- c Porphyritic
- d Tuff
- e Lithic Tuff
- f Crystal Tuff
- g Lapilli Tuff
- h Tuff Breccia
- i Debris Flow
- j Flow Top Breccia
- k Felsic Dike

3 Mafic to Intermediate Volcanics (Andesite) and Related Intrusions
- a Massive
- b Massive Medium Grained
- c Pillowed
- d Porphyritic
- e Amygdaloidal
- f Tuff
- g Lapilli Tuff
- h Debris Flow
- i Flow Top Breccia
- j Amphibole Porphyritic
- k Tuff Breccia
- l Crystal Tuff
- m Pillow Breccia
- n Mafic Dike

2 Mafic Volcanics (Basalt) and Related Intrusions
- a Massive
- b Massive Medium Grained
- c Pillowed
- d Porphyritic
- e Amygdaloidal
- f Tuff
- g Lapilli Tuff
- h Debris Flow
- i Flow Top Breccia
- j Variolitic
- k Pillow Breccia
- l Mafic Dike

1 Ultramafic Volcanics/Sills
- a Massive

N

1	2
3	4
5	6
7	8
9	10

SYMBOLS

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- Strike and Dip of Foliation (Vertical, Inclined, Dip unknown)
- Strike and Dip of Pillows (Vertical, Inclined, Overturned, Tops known)
- Trend and Plunge of Mineral Lineation
- Fold Axis (Syncline, Anticline, Overturned Anticline)
- Trend and plunge of minor folds (S, Z, plunge unknown)
- Fault (Sinistral, Dextral)
- Topographic Lineament
- Road, Winter Road, Airstrip

ABBREVIATIONS

- Permit Boundary
- Claim Post, Claim Line
- Area of Interest
- SOUTH
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wkly, mody, stry	Weakly, Moderately, Strongly	mt	Magnetite

INCO EXPLORATION AND TECHNICAL SERVICES INC. Thompson, Manitoba R8N 1S4

Project: KNEE LAKE	Area: Knee Lake, Manitoba		
GEOLOGICAL SURVEY		SHEET 10	FIGURE
Supervisor: J.J. Hornilo	Instrument:	Survey date: 06/92–07/92	
Compiled by: S.J. Mooney	Drawn by: D.S., S.J.M.	Date drawn: 02/93	Revised:
Scale: 1:10,000	File: KNEEFIG2.DWG	N.T.S.: 53L/15	72.612