KNEE LAKE - CINDER LAKE PROJECTS

PERMIT # 114 and INTERNAL CLAIMS

1993 WORK PROGRAM

NTS: 53L15, 53M2

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Scott J. Mooney
Project Geologist
Inco Exploration and Technical Services, Inc.
Thompson, Manitoba
R8N 1S4

May, 1994

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		Q8, R6, S5, S6	1:2,500

Summary

Inco Exploration and Technical Services Inc. has a 20,309.35 hectare exploration permit and four internal claims in the Knee Lake Area, Manitoba. The 1993 work program included gridding, ground magnetometer and Max Min HLEM, geological, orientation soil, humus and black spruce bark geochemical surveys and prospecting and sampling.

A total of 205 line kilometres of magnetometer and HLEM (Max Min) were completed. Magnetics characterized lithologies and identified massive pyrrhotite bodies which were locally tested by previous operators. The HLEM survey identified numerous conductors of interest and revealed structural and stratigraphic trends.

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, early sinistral faults (displacements up to 1.5 kilometres) radiate from the Cinder Lake intrusion. These are locally host to quartz phyric felsic dikes. East-west and north-south shear zones are locally evident and late northeast-southwest oriented lineaments occur across the property.

Mineralized outcrop, trenched areas, and boulders were sampled across the property and are often related to strongly conductive trends. Felsic lapilli tuff and massive rhyolite are locally sericitic, moderately silicified and garnetiferous immediately southeast of Cinder Lake. A 5 hole section completed by Barringer-Magenta in the early 1970's was located immediately up stratigraphy and defines a zone of massive sulphide mineralization with zones up to 24 metres thick.

Prospecting was completed along the strike of HLEM conductors on gridded areas. Additional reconnaissance work was also completed to test Input conductivity with the aid of a Crone VLF-EM unit in conjunction with a Beep Mat. Sheared mafic volcanics in the south part of Permit 114 were also sampled.

Orientation soil, humus and black spruce bark samples were collected at 25 metre intervals from the Canico Area and the Beaver Lake area. Many of the samples contain elevated background amounts of Cu and Zn. The best anomaly was a 57 ppm Cu value in humus south of Beaver Lake which correlates with a six channel Input conductor and a moderate ground HLEM conductor.

Based on the results of this program, further work is warranted. Proposed work for 1994 includes diamond drilling, local soil sampling and prospecting.

1.0 Introduction

Gridding, followed by magnetometer and HLEM (Max Min) surveys were completed by a 3 man crew from February 19 to April 7, 1993. Between June 21 and August 17, a four to eight man field crew completed geological mapping, prospecting and sampling, orientation soil, humus and black spruce geochemical sampling, prospecting with a Crone VLF-EM unit and a Beep Mat, and additional reconnaissance prospecting and sampling on the property.

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). The permit was subsequently transferred to Inco Limited. Inco Limited also staked four claims in the Cinder Lake area to cover open ground surrounded by Permit 114 (Figure 3). Claim status is summarized below:

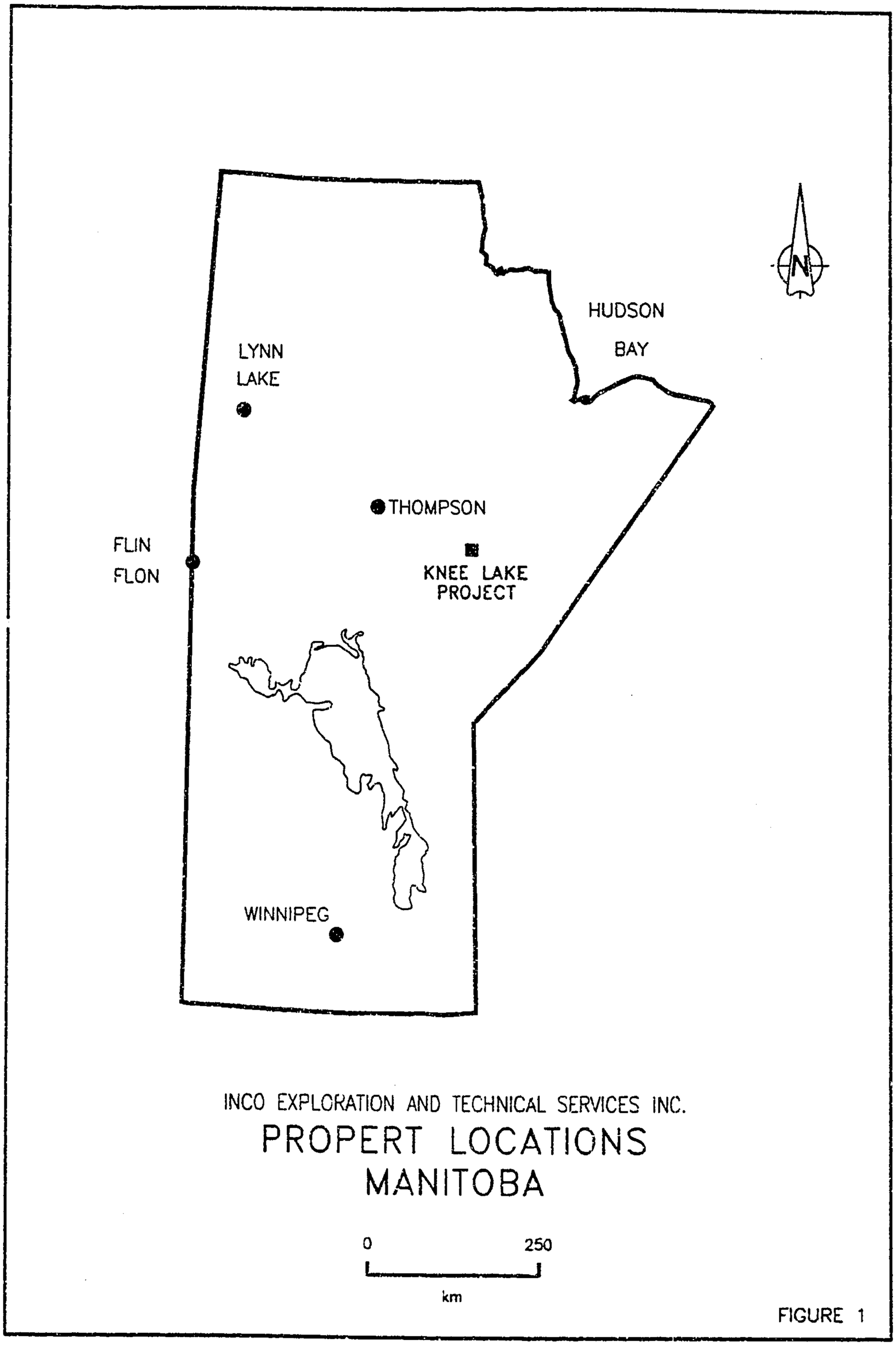
Name	Number	Staking Date	Work Filed
CIN 1	W53281	Dec.15, 1992	-
CIN 2	W53282	Dec.15, 1994	-
CIN 3	W54283	Dec.15, 1994	-
CIN 4	W53284	Dec.15, 1994	-

During 1993, the permit area was reduced to 20,309.35 hectares.

4.0 Previous Exploration

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

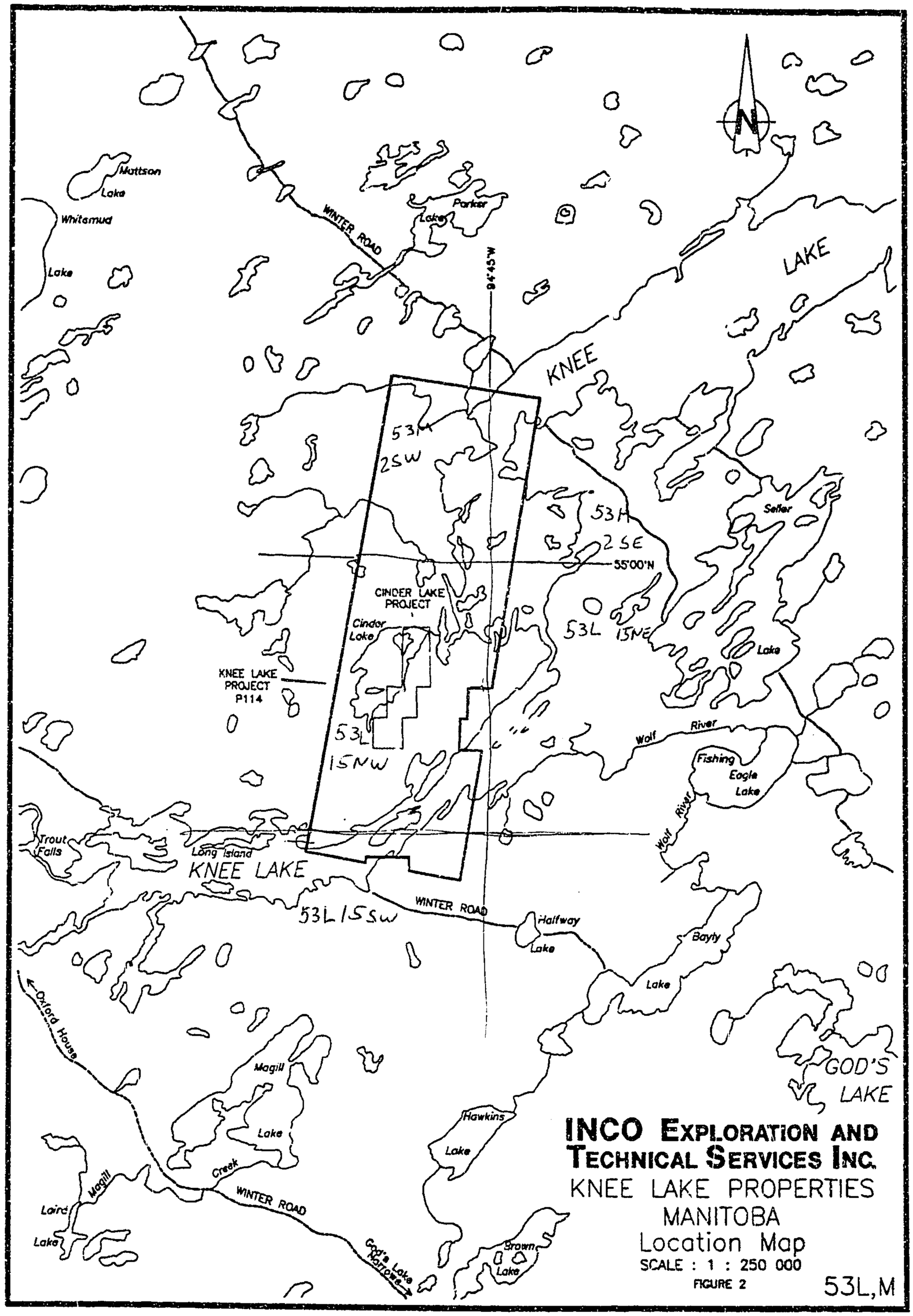
1956-1961: The present permit area was covered by Canico AEM as part of the Wolf and Bear programs. Follow up ground geophysics was completed and 8 holes totalling 669.65 metres were drilled. Three holes were drilled at the Canico Occurrence where chloritic and siliceous tuff associated with massive pyrite and pyrrhotite assayed up to 0.38% Zn across 3.08 metres.

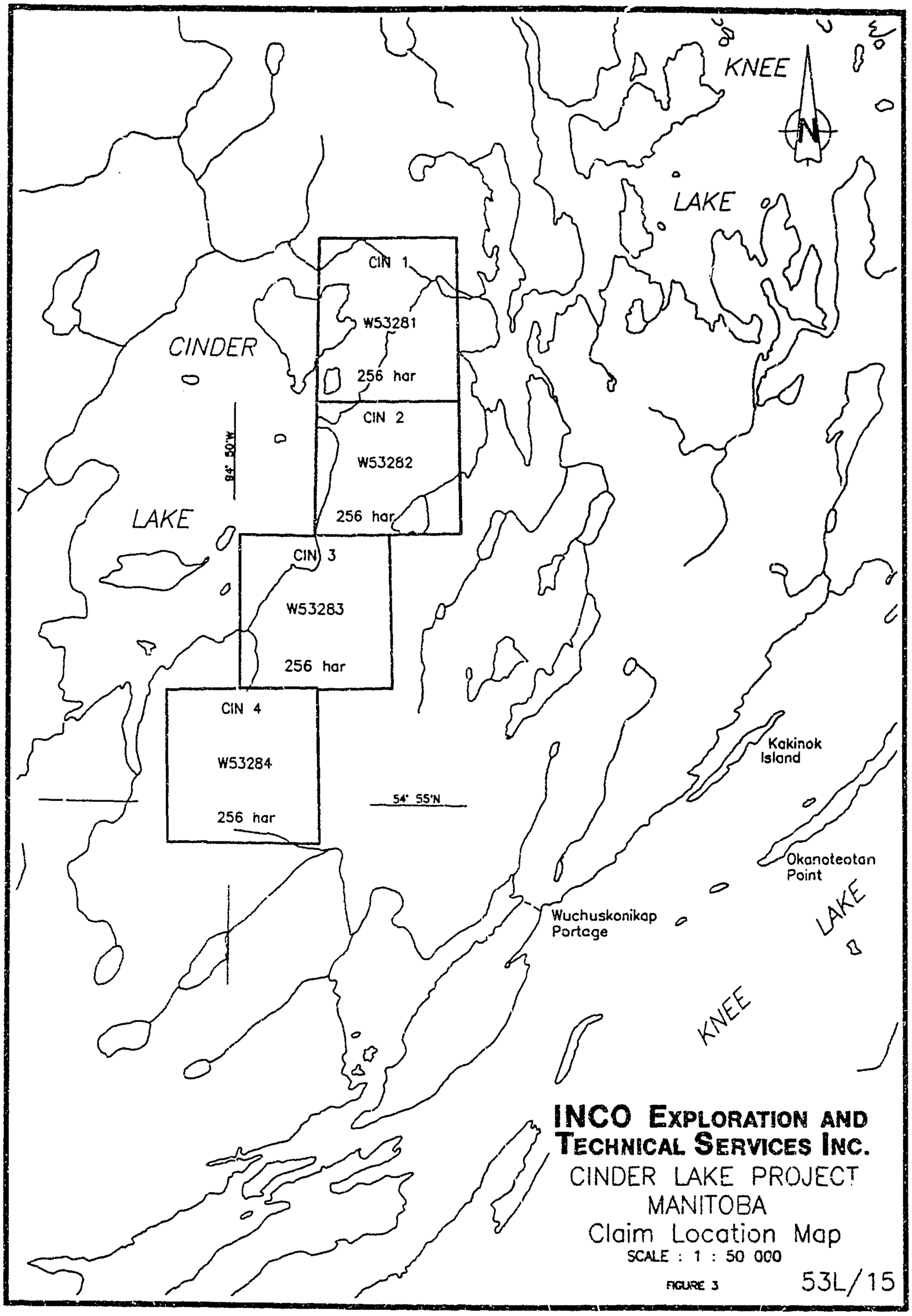


INCO EXPLORATION AND TECHNICAL SERVICES INC.

PROPERT LOCATIONS
MANITOBA

FIGURE 1


Muttson Lake
Whitemud Lake
WINTER ROAD
Parker Lake
KNEE LAKE
53H 2SW
53H 2SE
55°00'N
Seller Lake
CINDER LAKE PROJECT
Cinder Lake
53L 15NE
KNEE LAKE PROJECT P114
53L 15NW
Wolf River
Fishing Eagle Lake
Trout Falls
Long Island
KNEE LAKE
53L 15SW
WINTER ROAD
Halfway Lake
Bayly Lake
Oxford House
Magill Lake
Hawkins Lake
Magill Creek
Laird Lake
God's Narrows
Brown Lake
GOD'S LAKE
INCO EXPLORATION AND TECHNICAL SERVICES INC.
KNEE LAKE PROPERTIES
MANITOBA
Location Map
SCALE : 1 : 250 000
FIGURE 2
53L,M


KNEE
LAKE
CIN 1
W53281
256 har
CINDER
CIN 2
W53282
256 har
84° 50'W
LAKE
CIN 3
W53283
256 har
CIN 4
W53284
256 har
54° 55'N
Kakinok Island
Okanoteotan Point
Wuchuskonikap Portage
LAKE
KNEE
INCO EXPLORATION AND TECHNICAL SERVICES INC.
CINDER LAKE PROJECT
MANITOBA
Claim Location Map
SCALE : 1 : 50 000
FIGURE 3
53L/15

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 area covered by Permit #114. Local ground geophysical and geological surveys were complete / and several shallow (<15 metres) holes were drilled. Felsic volcanics and minor sulphides were intersected.

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

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 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: Roger Barlow completed an M.Sc. study on the major and trace element geochemistry of the southern part of the current property, based on 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: Permit #114 was acquired. Reconnaissance geological mapping and prospecting were completed at approximately 400 metre line spacings. Samples were collected for lithogeochemical analyses. Four claims surrounded by Permit #114 in the Cinder Lake Area were staked in December, 1992.

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

Geological mapping of the Knee Lake property was completed between June 21 and August 17 by a four to eight man field crew.

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. Geological mapping was conducted at 1:2,500 scale and is presented on the 31 Geological Survey sheets (Figure 4) included in the pockets of Books 1, 2 and 3 of this report.

6.1 Gridding

Four grids were established in the project area for a total of 204.9 line kilometres. All grids are shown on the Prospecting and Sample Locations Map in a back pocket of this report.

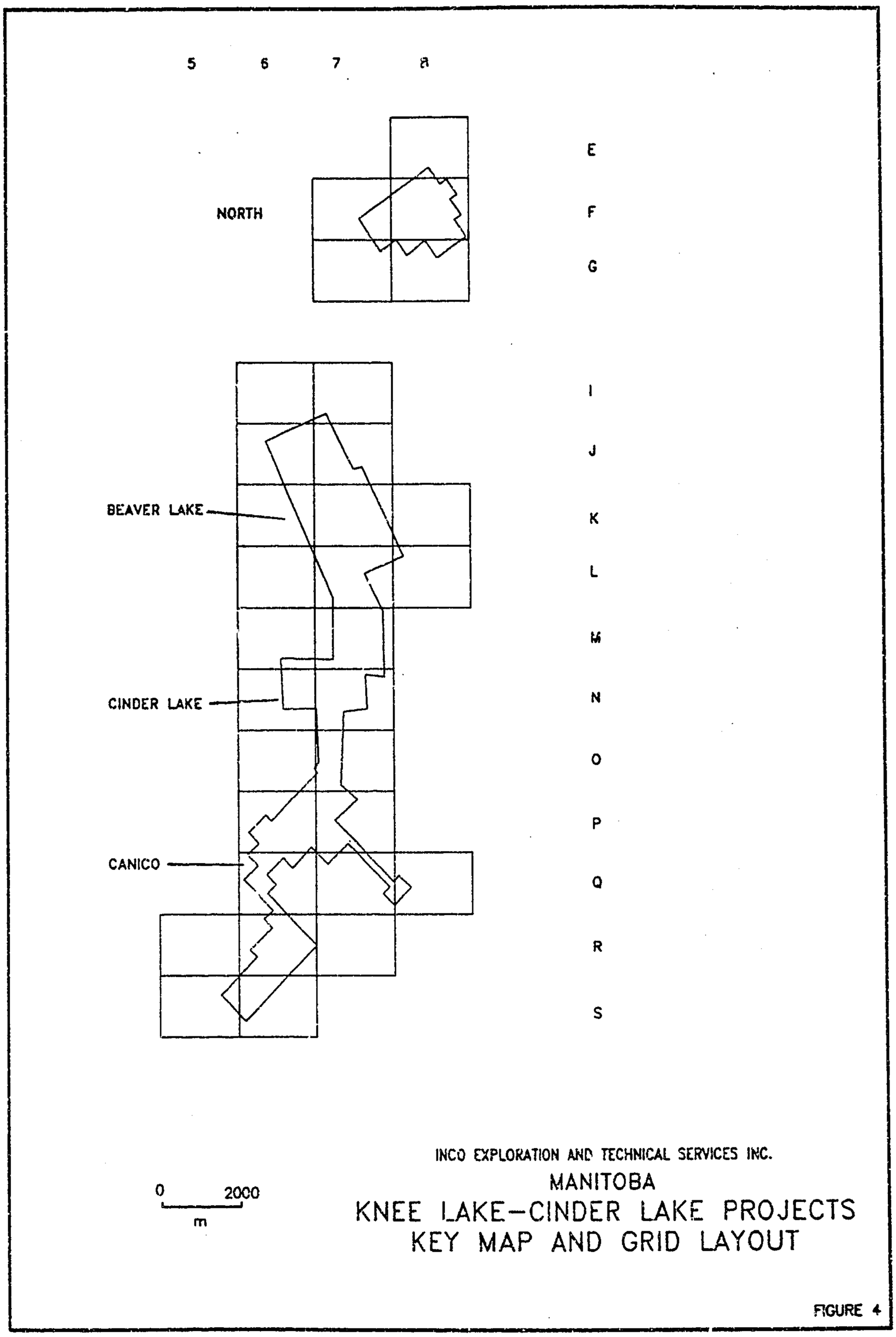
6.2 Lithologies

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

6.2.1 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.



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KNEE LAKE–CINDER LAKE PROJECTS
KEY MAP AND GRID LAYOUT

FIGURE 4

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

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 of 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 plagioclase with chlorite clots up to 3 millimetres in diameter. Lapilli tuffs consist of predominantly mafic to intermediate fragments in a mafic matrix. 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. Heterolithic, internally chaotic, matrix supported and clast supported debris flows are common in the upper parts of the stratigraphy. Fragments are angular to subrounded and occur in a matrix composed of plagioclase and chlorite. Southeast of Cinder Lake, monolithic scoria fragments up to 3 centimetres diameter occur in a mafic, predominantly chloritic matrix. The nature of the fragments reflects the volatile rich nature of the primary magma. The matrix is strongly altered.

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 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 generally poorly mineralized, with trace amounts of pyrite and local pyrrhotite.

Southeast of Cinder Lake, quartz and plagioclase phyric dacite is brecciated in the immediate footwall to significant conductivity. Buff dacite is weakly sericitized and surrounded by chlorite and garnet. Monolithic fragments are not randomly oriented and locally match opposing fragments, indicating in situ brecciation and alteration. The unit contains up to 7% pyrite and minor pyrrhotite.

Felsic Volcanics (Rhyolite)

Felsic volcanics include flows, tuff, lapilli tuff and debris flows. 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, quartz and/or quartz and plagioclase phyric whereas tuffs are crudely to well banded and consist of fine grained plagioclase feldspar crystals in a fine grained groundmass. Lapilli tuffs consist of rhyol tic fragments in a fine grained tuffaceous matrix. Felsic material exposed on the shore and inland on the North Grid consist of heterolithic but predominantly felsic fragments (quartz phyric and massive rhyolite, dacite) with minor black chert, intermediate to mafic volcanics, and local pyrite fragments in a very quartz rich (30%) matrix. Fragment size varies up to 6 centimetres and angularity ranges from very angular to subrounded. The units are interpreted to represent debris flows and all felsics exposed in the North Grid are interpreted to be resedimented.

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. Chert - magnetite iron formation is exposed on the shore on the North Grid and is closely associated with a lean chert - felsic ash tuff with minor graphite. Within 200 metres, sulphidic and strongly graphitic cobbles and boulders are strewn along the lakeshore. 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. Massive sulphide (pyrite+pyrrhotite) boulders up to 1 metre by 1 metre were located on the north Canico Grid immediately southeast of Cinder Lake. No bedrock expression of this sulphide was located and no conductivity is evident at this location.

Clastic Sediments

Finely intercalated wacke-siltstone and argillite are intercalated with dacitic pyroclastics southeast of Canico Lake. They are black to gray, well bedded, locally normally graded with 3% pyrite and pyrrhotite. Felsic ash tuff - epiclastic sediment is exposed on the shore in the southeast part of the North Grid. The unit exhibits graded bedding and contains up to 5% fine grained pyrite.

6.2.2 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. Contacts with adjacent lithologies are chilled and the adjacent units are commonly silicified. 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 syenite and 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 southeast of Cinder Lake. 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. The syenite is similar but contains no visible quartz.

6.2.3 OXFORD LAKE GROUP

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.

6.3 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 large scale, northwest-southeast trending synform situated in central Knee Lake.

6.4 Alteration and Mineralization

The most widespread alteration consists of chloritization and local silicification of basaltic and andesitic flows. Dacitic and rhyolitic flows and pyroclastic rocks are variably sericitized and locally chloritized.

North: Intercalated andesite, basalt and quartz rich felsic debris flows are tightly folded, sheared and sericitic. Felsic units are locally moderately to strongly sericitized and contain minor pyrite and malachite and are truncated to the west by a northeast-southwest trending fault. Fine grained ash tuff - chert in the southeast part of the North grid assayed 0.35% Zn. A discontinuous quartz vein hosted by basalt contains trace pyrite and assayed 3.16 g/t Au.

Beaver Lake: Felsic debris flows intercalated with dacite, graphitic magnetite - chert iron formation were located in sporadic and trench exposures over approximately 75 metres. No anomalous base metal or gold values were obtained.

Cinder Lake: Dacitic to rhyolitic lapilli tuff of Cycle One 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.

Canico: Felsic volcanics are best exposed on the northwest shore of Canico Lake. Massive quartz and plagioclase phyric rhyolite flows are locally sheared, carbonatized and are weakly sericitized. The exposure is strongly fractured. Mafic dikes up to 4 metres wide cut the rhyolite and are interpreted as feeders to overlying mafic units. 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 beneath the lake. Hangingwall rocks exposed near the southeast shore of the lake include one outcrop of chert-felsic tuff with up to 20% pyrite and minor pyrrhotite. Massive, medium grained gabbro is exposed along most of the southeast shore of the lake. Most of the footwall to the sulphide horizon and the strike extensions of the area of interest are unexposed.

Near the north part of the Canico grid, an extensive topographic low correlates with a sulphide zone tested by previous operators. Four of five drill hole collars from the Barringer-Magenta diamond drilling completed in 1972 were relocated. In this area, dacitic breccia is characterized by angular fragments of massive dacite (3% quartz crystals up to 1.5 mm diameter) in a strongly chloritized and garnetiferous matrix. The unit contains up to 7% pyrite with minor pyrrhotite in patches and comprises the footwall to the massive sulphide horizon previously tested by Barringer. Approximately 700 metres to the north, quartz phyric rhyolite (5% quartz crystals up to 2 mm diameter) is massive, moderately sericitized and locally contains up to 5% fine grained pyrite and pyrrhotite.

Southeast of Canico Lake, an equigranular gabbro sill hosts a narrow quartz vein with trace pyrite which assayed 2.4 g/t Au and 0.1% Zn.

South: Near the south boundary of the property, mafic volcanics are strongly sheared and carbonatized with trace to 2% fine grained disseminated pyrite. Pillowed andesite is locally strongly silicified with up to 7% fine to medium grained pyrite as disseminations and foliation parallel smears. East-southwest trending, steeply dipping shear zones are approximately 130 metres apart and may be related to a major structure beneath Knee Lake.

6.5 Geochemistry

Rock samples were collected and analysed using one of two packages. Mineralized samples were submitted to ActLabs for a combined INAA/ICP multi-element package. Samples suitable for whole rock analysis were submitted to XRAL for major element

analysis plus Zr, Y, Nb, Rb and Sr. Assay sheets are provided in Appendix 1 and Appendix 2, respectively.

Samples are readily classified into major rock groups, including basalt, andesite, dacite and rhyodacite based on their Zr/Ti ratios (Figure 5). Elongate trends through the origin define Zr/Ti ratios commonly associated with tholeiitic basalts, andesites, dacites, rhyodacites and rhyolites.

7.0 Prospecting

During the geological survey, areas of interest were routinely prospected with the aid of a Crone VLF-EM unit and a BMII Beep Mat. Conductive horizons indicated by the geophysical survey were traced between grid lines. Felsic volcanics and untested airborne conductors in select areas outside the grid were also investigated. Results of prospecting activities on the gridded area are shown on the Geological Survey sheets. Samples collected outside the gridded area are shown on the Prospecting and Sample Locations Map in a back pocket of this report. Samples yielded low base metal and gold values.

8.0 Orientation Geochemical Survey

Orientation soil, humus and black spruce bark samples were collected from the southwest and northeast ends of Canico Lake and from the area south of Beaver Lake. Adjacent lines were sampled at 25 metre intervals to test the effectiveness of each sample medium in overburden covered areas. A total of 131 humus samples and 173 spruce bark samples were collected and submitted to Act Labs for a combined ICP-INAA multi-element package.

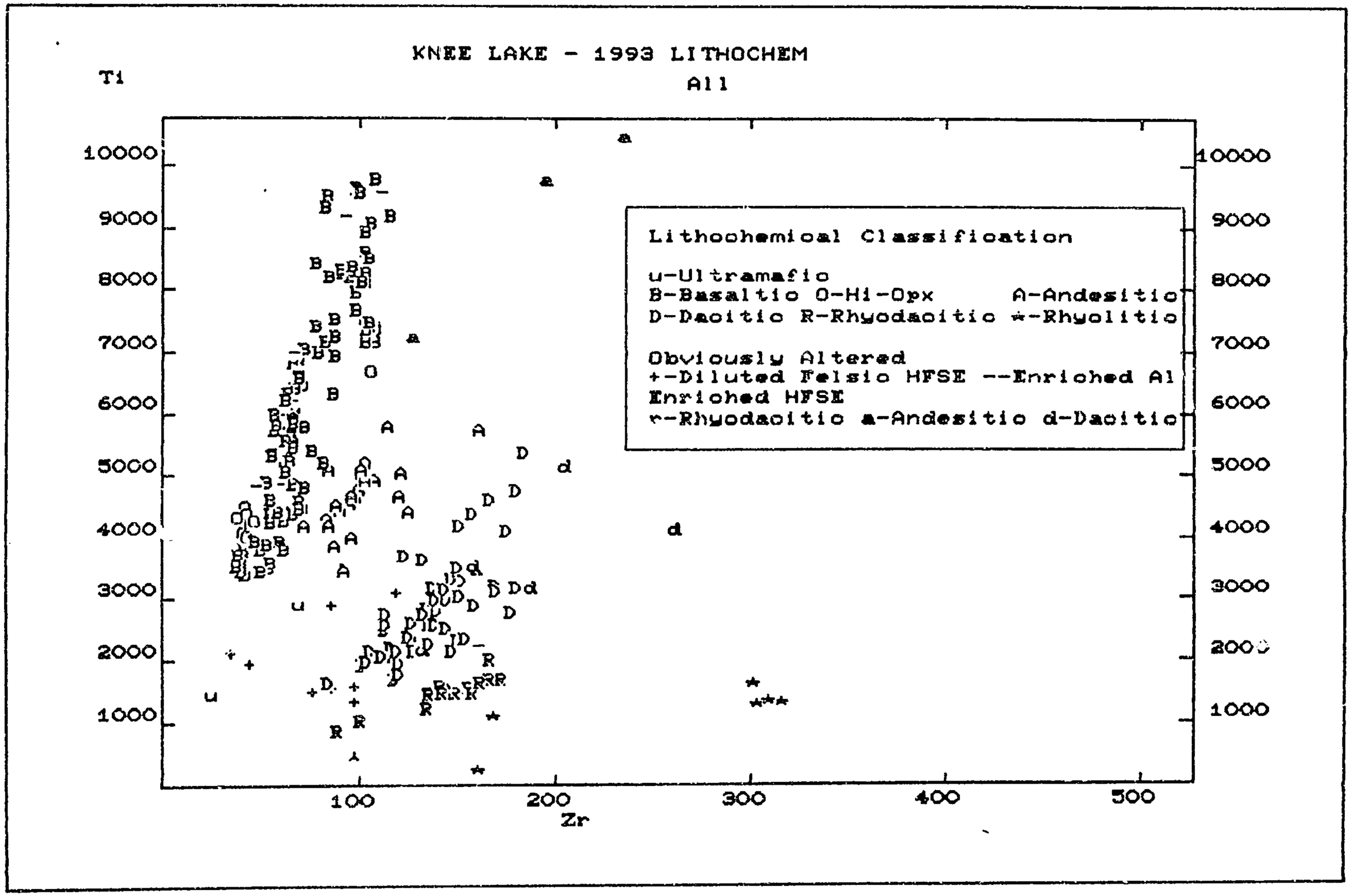
Sample locations, raw Cu,Zn results and profiles are plotted on 1:2,500 scale sheets in the pockets of Book 3 of this report and the multi-element analyses for humus and black spruce bark samples are provided in Appendices 3 and 4, respectively.

8.1 Soil

A 1.5 metre long auger was used by the samplers with limited success. The ground remained frozen at shallow (<0.3 metres) depths until August and sample material whch was obtained was ubiquitously clay rich. Due to the low sample density, the poor sample quality and the virtually unusable data expected from a combined ICP-NAA multi-element analyses, the soil portion of the orientation survey was abandoned.

8.2 Humus

Most of the area is moss covered and where stands of deciduous trees were encountered, the humic horizon was poorly developed. A 57 ppm Cu anomaly is located



KNEE LAKE - CINDER LAKE PROJECTS
Whole Rock Geochemistry
Ti/Zr Ratios
Figure 5

southwest of Beaver Lake (Sheet L7) and correlates with airborne and ground HLEM conductivity. Elevated background Zn values of up to 78 ppm occur southeast of Canico Lake (sheet R6).

8.3 Black Spruce Bark

Black spruce trees are widely distributed on the property and provided a useful sample medium. Elevated background Cu and Zn values of up to 96 ppm and 5.2 ppm, respectively are associated with the 57 ppm Cu anomaly in humus described above.

9.0 Geophysical Surveys

A ground programme of horizontal loop electromagnetics (HLEM), and magnetometer surveying was completed over the grids on the Knee Lake Property. The surveys were used to help map the underlying lithologies of the gridded area, and to locate on the ground, zones of electromagnetic anomalies detected in INCO airborne EM surveys flown earlier and in surveys as determined from the assessment files.

9.1 Rationale for the Survey

The EM surveys were designed to locate and trace on the ground, the conductors which were detected from earlier airborne EM surveys. By doing further ground surveys, certain physical parameters such as conductivity and susceptibility can be better estimated. In certain cases the geometry of the conductors, such as depth extent and dip can be determined as well. The ground survey can also locate the conductors with respect to a grid system for further follow up by geological mapping, prospecting or by drilling. The magnetometer survey would be used as an aid to geological mapping.

9.1.1 Horizontal Loop Survey

In general, massive sulphides are much more conductive than the surrounding host rocks. Electromagnetic fields can induce currents in the sulphides or any other conductor. These currents produce a secondary field which is then measured. In this manner the conductors are detected (Grant and West, 1965). Other conductors can produce a conductive response which mimics the response due to sulphides. Graphite, clays and water filled shears are examples.

9.1.2 Magnetometer Survey

Rocks have different magnetic susceptibilities which, in the presence of the Earth's magnetic field produce measurable differences in the local magnetic field. In general

magnetic susceptibility is lowest in sedimentary and metasedimentary rocks[1]. Rocks of acidic composition have higher susceptibility and ultrabasic rocks have the highest values. These differences are used to help map the various underlying lithological units. In areas of limited outcrop, the magnetic data may be the best method to use to determine the underlying lithologies.

9.2 Instrumentation

The HLEM survey used a MaxMin I system with a MMC data recorder manufactured by Apex Parametrics of Uxbridge, Ontario. The MaxMin I is a horizontal coplanar EM system operating in the frequency domain. The system has a readability of 0.1 percent in both the in-phase and quadrature metres. The tilt meter has a readability of 1 percent.

A coil spacing of 100 metres with station intervals of 25 metres were used. Frequencies of 220, 880 and 3520 Hertz were read. These survey parameters were chosen to yield good resolution of multiple conductors while maintaining the best depth penetration of the system. The wide frequency range was chosen to discriminate between high conductance conductor and lower conductance conductors.

The magnetometer survey used the Scintrex/EDA OMNI Plus magnetometer. The OMNI Plus magnetometer is a proton precession magnetometer capable of 0.1 nanoTesla accuracy and resolution.

Readings were taken every 12.5 metres along the survey lines. A base station was used to remove the diurnal variations of the Earth's main magnetic field.

9.3 Presentation and Interpretation

The data are presented in plans at a scale of 1:2500 and are included in Books 4, 5, 6 and 7 of this report. Data values are posted at the locations of the readings for the magnetometer. The HLEM data are displayed as stacked profiles and the measurement is plotted at the mid-point between the transmitter and receiver. In addition, the magnetometer data are contoured at 10 nT contour intervals.

In many cases there is a good correlation between the magnetometer data and the mapped lithologies. As the host rocks are over the survey area are low in susceptibility, the magnetic relief is low. The long linear magnetic highs are either due to pyrrhotite or basalts. A correlation between the magnetic highs and conductivities is a good indication that the source is due to pyrrhotite.

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[1] sedimentary oxide iron formation are an exception to this generalisation.

The HLEM survey done in the late winter located numerous conductive responses. For the most part, these responses correlate to known AEM anomalies. Several of the EM conductors have long strike lengths and are also magnetic. The conductors have been traced in between lines by using trends of the conductors, and the magnetic information. Previous drilling has indicated that some of the conductors are probably due to pyrrhotite. Offsets and sharp changes in the strike direction of the responses are seen, indicating that faulting have occurred. Each conductor is discussed in further detail below.

9.3.1 Canico Grid

Conductor 1

This is a very weak conductor which trends off a weak magnetic high seen from L0N/4+50W to L3N/3+50W. The poor conductance of the response suggests that variations in the overburden can be the source of the anomaly.

Conductor 2

The conductance of the conductor increases towards the north. It is also associated with a magnetic high response which also increases towards the north. Very high conductances are interpreted from the responses and pyrrhotite as the source is likely. Dips are very steep, and both east and west dips are seen in the data.

Conductor 3

This conductor is probably the same as conductor 2, which has been displaced by a fault. Conductor 3 is also terminated at the north end by a fault. The high conductance and the magnetic association suggests that pyrrhotite as the source is likely. Dips are steep, and generally an east dip is seen.

Conductors 4, 5

These are weak conductors with low conductance and appear to correlate with weak, spotty, magnetic highs. The two conductors may have the same source, but have been fault displaced. Dips are steep, and a west dip can be interpreted for conductor 5. The source is not known.

Conductor 6

This short, two line conductor may be due to a faulted segment of conductor 3. It is associated with a magnetic high, but the conductance is lower than that of conductor 3.

Conductor 7

This is a long conductor which is associated with a magnetic high. Both the conductance and the magnetic intensity are lower than conductor 3, but a pyrrhotite source is still likely. A steep dip to the west is interpreted. On line 36N, it appears that the HLEM data is shifted some 50 metres to the east. This could be a common error caused by an entry error in either the start point or in the receiver – transmitter position. The HLEM data on this line should be shifted by 50 metres to the west.

Conductor 8

A very weak, single line response makes overburden variations a likely source for this conductor.

Conductors 9, 11

The conductive response is positive – indicating magnetic flux gathering due to magnetite. This is supported by the high magnetic response associated with the conductors. However, there is a very weak, and phase only conductive response. This may be due to the magnetite itself as magnetite is slightly conductive, or there may be a weak source of conductivity associated with the magnetic response.

Conductor 10

This very weak conductor of low conductance appears to be randomly correlated with magnetics. On line 40N it is associated with a magnetic high while on line 38N, it is associated with a magnetic low. This conductor is most likely due to overburden variations.

Conductors 12, 13, 14, 15, 17, 21

These conductors vary in strike length from single line anomalies to over 700 metres long. Their conductance also vary. They are all grouped together as they all occur in an area of structural complexity as the regional strike of the EM responses changes at this location. Fa g is also inferred. The correlation of these conductors and magnetic responses is ficult to determine as the area is a bit too complex for the survey parameters used. Overall, the conductors are associated with magnetic highs, although an indeterminate number of them may not be. As such, the source of the conductivity is not known. The intermixed and overlapping responses also make it difficult to interpret a dip from the data.

Conductors 16, 18

These conductors appear to flank or bound the area of faulting/folding. They are located on the flanks of the magnetic highs and have intermediate conductances. A dip is difficult to estimate. The source of the conductivity is not known.

Conductor 19

This is a very weak, low conductance conductor which appears on the flanks of both magnetic highs and lows. It is probably due to variations in overburden.

Conductor 20

This single line conductor has a shallow dip to the east. It is of moderate conductance and occurs to the west of an isolated, single line, magnetic high. The source of the conductivity is not known.

9.3.2 Cinder Lake Grid

Conductor 22

This long conductor starts on the Canico grid and strikes onto the Cinder Lake grid. It is of moderate conductance and is associated with a magnetic high. A near vertical west dip is seen. Because of the strike length of the conductor and its magnetic association, pyrrhotite is a likely source of the anomaly.

Conductor 23

At first, it appears that conductor #23 may be a fault displaced continuation of #22. However, it is much more conductive, having a very high conductance and is associated with a higher intensity magnetic high. A dip is difficult to determine due to the near proximity of other conductors, but on line 4S, a near vertical east dip is seen. Because of the high conductance and the magnetic association, a pyrrhotite source is likely.

Conductors 24, 25, 26

These short strike length conductors are in what appears to magnetic lows (it may be background surrounded by magnetic highs). They are of low conductance and a dip can not be determined, although it is near vertical. The source of the conductivity is not known.

Conductor 27

This single line conductor is in a complex area where faulting/folding is occurring. The conductor is of high conductance and appears to be associated with a magnetic high. This conductor may be the continuation or a fault displaced segment of conductor #40.

Conductor 28

This is a shorter strike length conductor which is roughly parallel a much longer feature (#39). The conductance is moderate and it appears to be located in a magnetic low or on the flanks of a magnetic high. The source of the conductivity is not known.

Conductor 29

This single line conductor may extend further to the south, where there coverage stops. It is of low conductance, dips to the west and has an unknown source.

Conductor 30

A magnetic high is associated with this very high conductance response. A near vertical east dip is seen. The source of the conductivity is not known, but due to the very high conductance and magnetic association, a pyrrhotite source is likely.

Conductor 31

This conductor changes from a very high conductance on line 4N to one with a low conductance on line 6N. A west dip is seen and it is associated with a weak magnetic low. The source of the conductivity is not known.

Conductor 32

Conductor 32 is a single line response with high conductance and a steep west dip. It is located in a magnetic low. The source of the conductivity is unknown.

Conductor 33

These two responses rather unusual in that they are very depth limited. The response appears to be due a conductive near surface conductor which has no depth extent. It is also asscciated with an intense magnetic high. The source of the conductivity is not known.

Conductor 34

This conductor is a single line response of low conductance. It occurs on the flank of a magnetic high and has an unknown source.

Conductor 35

In terms of the magnetic intensity pattern, it appears that conductor 35 would be the same as conductor 33. I have separated the two as conductor 35 has a depth extent. It is a high conductance conductor and has a steep dip to the west. The source of is unknown.

Conductors 36, 37, 38

These single line conductors are located in an area of low, flat magnetic intensity. The low conductance places the conductors into the range where variations in the overburden can be a source.

Conductor 39

This is a long conductor which is associated with a magnetic high for about one half of its length (the south portion). Towards the north end, in the Beaver Lake grid, it diverges from the association with the magnetic high and occurs in a relatively flat magnetic background. The conductance varies from low on the two southern most lines in the Cinder Lake grid to a high conductance for the remainder of the Cinder Lake grid and for all of the Beaver Lake grid. A west dip is interpreted over certain portions. Its long strike length and its association with magnetic highs suggests a formational nature to the conductor. Perhaps a combination of pyrrhotite and graphite (?) could be the source of the conductivity. However, its nature (conductance and magnetic property) changes along strike which makes this conductor more interesting than the normal formational type of conductor.

Conductor 40

Like #39, this conductor is long and is associated with a magnetic high. It is of high conductance and a west dip can be interpreted over certain lines. Its long strike length is suggestive of formational types of responses and either pyrrhotite or graphite associated with a magnetic unit can be the source of the conductivity.

9.3.3 Beaver Lake Grid

Conductors 41, 42, 43, 44, 46, 47

These short to medium strike length conductors occur in magnetic low regions. Their strike direction is roughly parallel to the general trend seen in #39 and #40. The conductances are moderate to low and steep dips are interpreted. The source of the conductivity is not known.

Conductor 45

This is a low conductance conductor which trends off the geophysical coverage. It is located in an area of moderate magnetic activity although it is not clear if it is associated with a magnetic response. The source of the conductivity is not known.

Conductors 48, 49

These conductors occur in a more active magnetic area and appear to be on the flanks of magnetic highs. The conductances vary from low to high and steep dips are interpreted. The source of the conductivity is not known.

Conductors 50, 52, 53

These three conductors are on strike from each other and are of very low conductance. They are located in an area of flat magnetic intensity. The conductance is such that variations in the overburden may be a source of the conductivity, although the long linear nature of the conductors indicates that a bedrock source is likely.

Conductor 51

This conductor may be the fault displaced extension of conductor 39. A steep east dip is seen in the data and the conductance is moderate. It is in an area of moderate magnetic variations. The source of the conductivity is not known.

Conductor 54

Conductor 54 is a single line conductor of very low conductance. It occurs in an area of low magnetic relief. The low conductance places the possible source of the conductivity to be variations in the overburden.

9.3.4 North Grid

Conductor 55

This high to very high conductance conductor is on the flank of a magnetic high. A steep south dip is interpreted, although this may be wrong as there are multiple conductors in the area. The source of the conductivity is not known.

Conductor 56

This high conductance conductor correlates with a magnetic high. The dips are difficult to estimate due to the interaction with another conductor. The source of the conductivity may be due to pyrrhotite.

Conductors 57, 58

These two conductors may be the fault displaced extensions of #55. They are on the flanks of a magnetic high and have high (#58) to very high (#57) conductances. The source of the conductivity is not known.

Conductors 59, 60

These two conductors are of low conductance and occur in an area of moderate magnetic relief. The low conductance places these conductors into the range where variations in the overburden could be a source for the conductivity. However, the linear nature of the conductors implies a bedrock source.

Conductors 61, 62

These low conductance conductors have a weak magnetic association. A dip is difficult to determine. The source of the conductivity is not known.

Conductors 63, 64, 65, 66

These short strike length conductors have low to moderate conductance. They do not appear to have any magnetic correlation. Steep south dips may be interpreted. The source of conductivity is not known.

Conductor 67

The conductance of this conductor changes from high to very high. The very high portions are also areas where the conductor is thicker. It does not appear to have a magnetic association and its source is unknown.

10.0 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.

A total of 205 line kilometres of magnetometer and HLEM (Max Min) were completed. Magnetics characterized lithologies and identified massive pyrrhotite bodies which have been locally tested by previous operators. The HLEM survey identified numerous conductors of interest and revealed structural and stratigraphic trends.

Alteration indicative of VMS type mineralization was located southeast of Cinder Lake. Minor base metal mineralization was encountered in the Beaver Lake and Cinder Lake areas.

Previous drilling intersected anomalous base metal mineralization associated with intermediate to felsic volcanics at the North, Beaver Lake, southeast of Cinder Lake and in the Canico Areas. Although felsic volcanics on the North Grid are altered, lithologic units in this area and units high in the stratigraphic package in general, are characterized by abundant resedimented material. The economic potential of the North area is therefore downgraded. Favourable geology and conductivity remains untested at the Canico, Cinder Lake and Beaver Lake areas.

Prospecting was completed along the strike of HLEM conductors on gridded areas. Additional reconnaissance work was also completed to test Input conductivity with the aid of a Crone VLF-EM unit in conjunction with a Beep Mat.

The orientation soil survey was hampered by frozen ground and poor sample quality. Humus and spruce bark samples yielded anomalous Cu and Cu and Zn values, respectively in the Beaver Lake Area. The best anomaly was a 57 ppm Cu in humus and associated Cu and Zn in spruce bark of 96 ppm and 5.2 ppm, respectively. Sample locations are south of Beaver Lake and occur near a six channel Input conductor which generated a strong ground HLEM response.

The magnetometer and HLEM surveys were useful in detecting conductive anomalies on the ground which were indicated by airborne geophysics. Known showings are detected as conductors. The magnetometer data is useful as a mapping tool.

As the cause of the conductivity is not known in many cases, they will require further work to determine their source. Some of the shorter strike length conductors and areas of structural complexity caused by faulting and/or folding are areas for follow up with geological mapping, prospecting or drilling.

The property has excellent economic potential to host primitive type Zn-Cu deposits and further exploration is recommended. Chloritic, sericitic and garnetiferous felsic volcanics and associated untested or poorly tested conductivity offer high potential diamond drill targets. Soil samples anlaysed by enzyme leach analyses and additional biogeochemical sampling is recommended to supplement the work completed during 1993. Reconnaissance geology and prospecting are recommended to more closely examine the gold potential of northeast-southwest trending faults/shear zones and subsidiary structures.

11.0 References

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12.0 Statement of Expenditures - Knee Lake-Cinder Lake Projects

Field Salaries/Casual Labour	$ 85,992
Fuels	348
Food and Beverages	995
Office Supplies and Stationary	67
Exploration Equipment and Supplies	7,894
Telephone	150
Gridding - Linecutting and Staking	60,059
Geophysical - Linecutting and Staking	49,380
External Repairs and Maintenance	568
Business Travel / Hotels *	50,475
Freight	87
External Assaying and Sampling	8,723
Aircraft - Fixed Wing Charter	5,701
Computer Services	945
Geophysical Salaries	991
Geological Salaries	1,649
Drafting Salaries	6,875
Exploration Lab	1,646
Trucks	1,167
TOTAL:	**$283,732**

* This subtotal represents all inclusive payments to Knee Lake Resort for room and board, boat/motor rentals and fuel during the period of June 21 to August 17, 1993.

I certify that the above expenditures as outlined were obtained from the accounting records and represent the charges that are applicable to the geological and geophysical surveys completed on Permit #114, and four claims within the permit boundary (W53281-CIN1, W53282-CIN2, W53283-CIN3, and W53224-CIN4).

N. Leroux
Administrative Assistant

13.0 Certificates 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 Project 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 6th day of May, 1994.

.....
Scott J. Mooney

Statement of Qualifications

I, Bob B.H. Lo am employed as a Senior Geophysicist by Inco Exploration and Technical Services Incorporated.

My work address is:

Inco Exploration and Technical Services Inc.
Exploration Building
Highway 17 West
Copper Cliff, Ontario
Canada
P0M 1N0

I reside at:

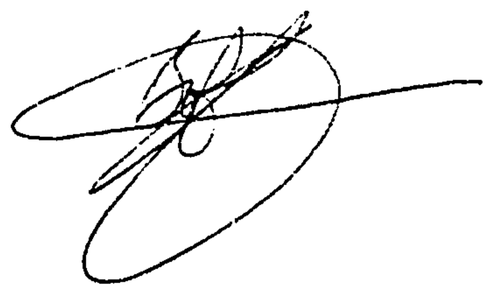
35 Harju Crescent
RR2, Site 20, Box 63
Sudbury, Ontario
Canada
P3E 4M9

I graduated from the University of Toronto with a Bachelor of Applied Science degree in the Geophysics option of Engineering Science in 1981 and with a Masters of Science degree in Physics–Geophysics also from the University of Toronto in 1985. In 1992, I received a Masters of Business Administration Degree from Laurentian University in Sudbury, Ontario.

I am a Licensed Professional Engineer in the Province of Ontario (membership #90258708), an Associate member of the Society of Exploration Geophysicists (Tulsa), a member of the Environmental and Engineering Geophysical Society (Denver), Canadian Exploration Geophysicists (Toronto), and the Prospectors and Developers Association (Toronto).

Since 1981, I have been involved in the use of geophysics for mineral exploration, geotechnical, and environmental applications. I have supervised projects and interpreted data from Canada, the United States of America and overseas.

I planned the geophysical survey at Knee Lake selecting suitable survey parameters and instrumentation. I was responsible for the data quality, presentation and for the interpretation of the results.



Appendix 1

Multi-element Analyses - Mineralized Samples

Activation Laboratories Ltd. Work Order: 5483 Report: 5414

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SM %	SR %	TA PPM	TH PPM
RX 175659	<5	<5	5	310	<1	<1	<5	53	<2	28.0	4.4	<1	<5	<5	5870	<50	<30	<0.2	1.8	<5	<0.01	<0.05	<1	2.7
RX 175660	<5	<5	8	230	<1	<1	15	86	<2	26.5	4.3	<1	<5	<5	8110	<50	<30	<0.2	3.2	<5	<0.01	<0.05	<1	4.3
RX 175661	<5	<5	<2	<100	1	<1	<5	98	<2	0.99	<0.5	<1	<5	<5	<500	<50	<30	<0.2	0.7	<5	<0.01	<0.05	<1	<0.5
RX 175662	21	<5	3	<100	<1	<1	<5	150	<2	0.95	<0.5	<1	<5	<5	<500	<50	<30	0.3	1.2	<5	<0.01	<0.05	<1	<0.5
RX 175663	<5	<5	17	<100	2	<1	5	110	<2	5.91	<0.5	<1	<5	<5	<500	<50	<30	0.5	0.9	<5	<0.01	<0.05	<1	0.5
RX 175664	2400	32	<2	420	<1	<1	<5	52	<2	1.80	5.6	<1	<5	<5	15400	<50	60	1.0	2.5	<5	<0.01	<0.05	<1	9.6
RX 175665	7	<5	12	150	6	4	10	220	<2	2.73	<0.5	<1	<5	<5	37900	<50	<30	0.2	12	<5	<0.01	<0.05	<1	0.7
RX 175666	<5	<5	11	<100	<1	3	16	68	<2	2.47	5.5	<1	<5	<5	70500	<76	<30	<0.2	7.9	<5	<0.01	<0.05	<1	6.8
RX 175667	<5	<5	8	400	<1	<1	33	90	3	1.48	6.0	<1	<5	<5	41100	250	51	0.2	7.3	<5	<0.02	<0.05	<1	7.2
RX 175668	<5	<5	<2	460	1	<1	9	110	<2	1.33	4.5	<1	<5	<5	36400	<50	41	<0.2	5.5	<5	<0.01	<0.05	2	5.4
RX 175669	<5	<5	<2	590	<1	<1	<5	250	<2	2.62	18	<1	<5	<5	5060	<50	110	<0.2	4.8	<5	<0.01	<0.05	3	13
RX 175670	<5	<5	11	<100	13	<1	<5	170	<2	0.25	<0.5	<1	<5	<5	<500	84	<30	3.1	1.3	<5	<0.01	<0.05	<1	<0.5
RX 175671	64	<5	320	<100	<1	<1	18	260	<2	21.0	1.3	<1	<5	<5	<500	82	<30	8.3	25	<5	<0.01	<0.05	<1	<0.5
RX 175672	<5	<5	2	270	<1	<1	<5	63	<2	1.79	3.2	<1	<5	<5	27400	<50	35	0.6	4.1	<5	<0.01	<0.05	1	2.9
RX 175673	<5	<5	2	710	<1	4	6	69	3	1.78	2.7	<1	<5	<5	31300	<50	57	0.5	5.3	<5	<0.01	<0.05	<1	1.5
RX 175674	5	<5	<2	<100	<1	9	37	340	<2	7.93	1.2	<1	<5	<5	10700	190	<30	0.2	30	<5	<0.01	<0.05	<1	0.6
RX 175675	<5	<5	<2	<100	<1	3	48	350	<2	13.7	1.4	<1	<5	<5	3290	150	<30	<0.2	31	<5	<0.01	<0.05	<1	<0.5
RX 175676	<5	<5	<2	<100	<1	8	39	310	<2	9.14	1.1	<1	<5	<5	7500	150	<30	<0.2	27	<5	<0.01	<0.05	<1	<0.5
RX 175677	<5	<5	3	<100	<1	8	35	320	<2	8.58	1.4	<1	<5	<5	8300	220	<30	0.3	28	<5	<0.01	<0.05	<1	<0.5
RX 175678	<5	<5	<2	<100	<1	10	47	420	<2	6.52	1.9	<1	<5	<5	14400	130	<30	0.3	43	<5	<0.01	<0.05	<1	0.6
RX 175678	<5	<5	<2	<100	<1	5	53	280	<2	14.7	1.1	<1	<5	<5	5070	140	<30	<0.2	25	<5	<0.01	<0.05	<1	<0.5
RX 175691	<5	<5	4	<100	<1	8	41	280	<2	12.6	1.3	<1	<5	<5	4580	210	<30	<0.2	26	<5	<0.01	<0.05	<1	<0.5
RX 175692	<5	<5	46	200	<1	5	37	300	<2	8.05	1.2	<1	<5	<5	15500	370	<30	0.2	27	<5	<0.01	<0.05	<1	<0.5
RX 175693	<5	<5	18	250	<1	4	21	310	<2	7.81	0.9	<1	<5	<5	14800	330	<30	<0.2	27	<5	<0.01	<0.05	<1	<0.5
RX 175694	224	<5	17	<100	<1	<1	14	150	<2	5.71	<0.5	<1	<5	<5	<500	92	<30	1.0	8.7	<5	<0.01	<0.05	<1	1.7
RX 175695	886	<5	10	200	<1	<1	9	160	<2	7.60	1.6	<1	<5	<5	<500	<50	<30	0.3	14	<5	<0.01	<0.05	<1	3.1
RX 175696	34	<5	15	1100	2	<1	19	70	<2	6.57	3.8	<1	<5	<5	<500	190	39	0.5	11	<5	<0.01	<0.05	<1	7.5
RX 175697	<5	<5	180	1200	<1	4	110	1900	<2	6.36	2.6	<1	<5	<5	3990	490	42	<0.2	29	<5	<0.01	<0.05	<1	3.6
RX 175698	<5	<5	13	320	<1	2	41	330	<2	10.8	1.3	<1	<5	<5	16900	300	<30	<0.2	29	<5	<0.01	<0.05	<1	<0.5
RX 175699	<5	<5	22	340	<1	5	41	300	<2	8.27	1.3	<1	<5	<5	14000	280	<30	0.5	28	<5	<0.01	<0.05	<1	<0.5
RX 175100	<5	<5	10	<100	<1	3	47	550	<2	8.72	5.0	<1	<5	<5	502	310	<30	0.4	31	<5	<0.01	<0.05	<1	18

Activation Laboratories Ltd. Work Order: 5483 Report: 5414

Sample description	U PPM	W PPM	HF PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	CU PPM	Mass g
RX 175659	<0.5	<4	62	6	12	<5	0.6	0.2	<0.5	0.63	0.11	45	33.51
RX 175660	1.3	<4	<50	9	16	6	0.8	<0.2	<0.5	0.70	0.16	308	36.10
RX 175661	<0.5	<4	<50	1	<3	<5	0.2	<0.2	<0.5	0.32	0.06	19	39.07
RX 175662	<0.5	<4	<50	<1	<3	<5	0.1	<0.2	<0.5	0.15	<0.05	30	37.98
RX 175663	0.6	<4	<50	4	9	<5	0.6	0.2	<0.5	1.25	0.22	69	37.14
RX 175664	1.6	<4	1030	51	92	23	4.1	1.0	<0.5	2.13	0.35	11	34.95
RX 175665	<0.5	<4	66	6	13	8	1.9	0.8	<0.5	1.38	0.20	5	37.06
RX 175666	3.0	<4	<50	38	59	16	2.6	0.9	<0.5	0.84	0.13	37	33.97
RX 175667	<0.5	<4	181	30	49	<5	2.2	0.7	<0.5	0.70	0.14	16	37.09
RX 175668	1.7	<4	<50	22	37	12	1.7	0.7	<0.5	0.59	0.08	17	35.29
RX 175669	2.6	<4	58	77	190	84	21	3.4	4.5	27.6	4.14	5	9.790
RX 175670	<0.5	<4	<50	<1	<3	<5	0.1	<0.2	<0.5	0.10	<0.05	14	36.68
RX 175671	0.9	<4	64	3	6	<5	0.9	0.4	<0.5	3.89	0.62	70	35.99
RX 175672	1.1	<4	105	14	28	9	1.5	0.6	<0.5	0.62	0.08	27	36.47
RX 175673	<0.5	<4	<50	13	23	8	1.5	0.7	<0.5	0.44	0.08	38	36.34
RX 175674	<0.5	<4	64	2	7	<5	1.4	0.7	<0.5	2.04	0.33	36	37.28
RX 175675	<0.5	<4	106	2	6	<5	1.4	0.5	<0.5	2.06	0.31	125	32.27
RX 175676	<0.5	<4	99	2	5	<5	1.3	0.6	<0.5	1.90	0.29	64	35.98
RX 175677	<0.5	<4	76	2	6	6	1.4	0.5	<0.5	1.95	0.32	19	36.34
RX 175678	<0.5	<4	77	4	12	8	1.9	0.8	0.6	2.80	0.47	89	38.79
RX 175679	<0.5	<4	72	2	5	<5	1.0	0.4	<0.5	1.73	0.28	62	34.01
RX 175091	<0.5	<4	113	3	6	<5	1.0	0.5	<0.5	1.75	0.29	94	34.50
RX 175092	<0.5	<4	104	2	7	<5	1.0	0.5	<0.5	1.49	0.26	14	36.64
RX 175093	<0.5	4	129	2	5	<5	0.6	<0.2	<0.5	1.48	0.22	8	33.04
RX 175094	<0.5	5	83	12	28	10	2.1	0.6	<0.5	0.79	0.14	69	33.74
RX 175095	0.9	11	196	21	44	15	3.1	1.0	<0.5	1.20	0.23	14	34.18
RX 175096	1.9	14	94	51	90	27	6.5	2.1	<0.5	1.53	0.27	69	26.98
RX 175097	1.0	5	138	4	9	<5	0.8	0.4	<0.5	1.87	0.28	80	27.77
RX 175098	<0.5	<4	64	2	9	<5	1.4	0.7	<0.5	1.93	0.28	66	32.28
RX 175099	1.0	<4	79	3	9	<5	1.2	0.7	<0.5	1.73	0.28	41	36.78
RX 175100	3.4	<4	96	94	190	70	12	3.0	1.2	2.18	0.40	12	30.15

Activation Laboratories Ltd. Work Order: 5653 Report: 5578

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SM %	SR %	TA PPM	TH PPM
174712	<5	<5	<2	310	<1	3	14	130	8	4.52	2.9	<1	<5	<5	22100	<50	50	<0.2	9.4	<5	<0.01	<0.05	<1	4.0
174901	<5	<5	3	150	<1	8	50	320	<2	9.35	1.6	<1	<5	<5	14800	<50	<30	<0.2	50	<5	<0.01	<0.05	<1	0.8
174902	<5	<5	6	390	2	7	46	270	<2	7.89	1.9	<1	<5	<5	23800	<50	52	<0.2	50	<5	<0.01	<0.05	<1	12
174903	<5	<5	3	<100	<1	8	<5	26	<2	21.8	<0.5	<1	<5	<5	8550	<50	<30	<0.2	1.6	6	<0.01	<0.05	<1	<0.5
174904	<5	<5	3	<100	<1	8	<5	30	<2	22.6	<0.5	<1	<5	<5	8620	<50	<30	<0.2	2.5	<5	<0.01	<0.05	<1	0.8
174905	<5	<5	<2	<100	<1	8	<5	36	<2	24.5	<0.5	<1	<5	<5	6890	<50	<30	<0.2	1.4	<5	<0.01	<0.05	<1	0.6
174906	<5	<5	3	<100	1	6	<5	48	<2	21.8	0.6	<1	<5	<5	14500	<50	<30	<0.2	4.9	<5	<0.01	<0.05	<1	0.8
174907	<5	<5	3	180	<1	7	54	530	7	7.24	2.6	<1	<5	<5	27500	770	40	0.3	27	<5	<0.01	<0.05	<1	7.4
174908	<5	<5	<2	<100	<1	5	38	380	5	8.50	1.9	<1	<5	<5	26700	<50	<30	<0.2	31	<5	<0.01	<0.05	<1	1.9
174909	<5	<5	<2	380	<1	3	36	190	<2	7.92	2.3	<1	<5	<5	31900	310	68	0.3	22	<5	<0.01	<0.05	<1	3.6
174910	<5	<5	<2	270	<1	4	46	270	9	13.4	1.3	<1	<5	<5	5750	<50	48	<0.2	46	<5	<0.01	<0.05	<1	0.6
174911	<5	<5	<2	130	<1	7	41	430	<2	5.99	2.2	<1	<5	<5	17700	<50	<30	<0.2	32	<5	<0.01	<0.05	<1	3.0
174912	<5	<5	<2	650	2	2	8	130	<2	2.59	9.2	<1	<5	<5	41800	<51	<30	<0.2	6.3	<5	<0.01	0.12	2	53
174913	<5	<5	<2	<100	9	14	53	500	3	22.5	0.6	<1	<5	67	11800	<60	<30	0.4	67	<5	<0.01	<0.05	<1	0.8
174914	<5	<5	<2	<100	3	10	40	310	<2	15.0	1.0	<1	<5	16	2920	<50	<30	0.2	52	<5	<0.01	<0.05	<1	<0.5
174915	<5	<5	<2	<100	<1	7	43	300	2	10.8	1.3	<1	<5	<5	13500	<50	<30	<0.2	42	<5	<0.01	<0.05	<1	<0.5
174916	<5	<5	<2	300	<1	4	30	200	11	5.58	2.3	<1	<5	9	28300	<50	110	<0.2	36	<5	<0.01	<0.05	<1	2.3
174917	<5	<5	<2	<100	<1	4	43	260	9	8.61	1.3	<1	<5	<5	17400	<50	<30	<0.2	40	<5	<0.01	<0.05	<1	<0.5
174918	5	<5	<2	<100	<1	5	47	280	<2	3.85	3.0	<1	<5	<5	38000	<50	<30	<0.2	27	<5	<0.01	<0.05	<1	0.8
174919	<5	<5	<2	1600	<1	<1	8	76	5	5.37	7.0	<1	<5	<5	22000	<50	110	<0.2	9.6	<5	<0.01	<0.05	<1	22
174920	<5	<5	<2	740	1	<1	<5	200	<2	1.98	10	<1	<5	6	3480	110	90	<0.2	3.3	<5	<0.01	<0.05	2	8.9
174921	12	<5	<2	530	<1	1	11	91	3	5.29	3.4	<1	<5	<5	33500	<52	46	<0.2	36	<5	<0.01	<0.05	<1	4.6
174922	<5	<5	<2	180	<1	5	52	240	5	7.99	1.7	<1	<5	<5	29600	280	70	0.3	30	<5	<0.01	0.07	1	4.3
174923	<5	<5	3	<100	<1	7	30	54	<2	17.0	2.6	<1	<5	<5	1350	<50	<30	0.3	28	<5	<0.01	<0.05	<1	1.1
174924	<5	<5	<2	<100	<1	6	39	350	5	5.68	2.4	<1	<5	<5	28000	<50	<30	<0.2	25	<5	<0.01	<0.05	<1	1.9
174925	<5	<5	<2	890	<1	4	9	93	6	8.95	4.8	<1	<5	<5	23300	<50	86	0.3	26	<5	<0.01	<0.05	<1	11
174926	10	<5	<2	<100	<1	3	21	220	2	15.4	1.9	<1	<5	<5	3520	<50	<30	1.7	42	<5	<0.01	<0.05	<1	0.6
174927	<5	<5	<2	770	<1	<1	<5	200	<2	1.84	10	<1	<5	<5	3410	<50	91	<0.2	3.3	<5	<0.01	<0.05	2	8.3
175408	<5	<5	16	320	<1	2	42	370	<2	7.77	0.9	<1	<5	<5	9740	430	36	0.6	28	<5	<0.01	<0.05	<1	<0.5
175409	8	<5	<2	220	<1	2	44	360	<2	8.59	1.0	<1	<5	<5	8900	330	<30	0.9	28	<5	<0.01	<0.05	<1	<0.5
175410	<5	<5	<2	160	<1	2	37	340	<2	7.85	1.0	<1	<5	<5	11200	390	<30	0.9	27	<5	<0.01	<0.05	<1	<0.5
175411	<5	<5	35	290	<1	7	46	320	<2	7.74	1.2	<1	<5	<5	6320	360	37	0.4	25	<5	<0.01	<0.05	<1	<0.5
175412	<5	<5	18	<100	<1	8	43	360	<2	5.43	1.1	<1	<5	<5	11200	670	<30	1.4	25	<5	<0.01	<0.05	<1	<0.5
175413	<5	<5	5	<100	<1	7	36	280	<2	7.89	1.0	<1	<5	<5	9420	<50	<30	0.2	21	<5	<0.01	<0.05	<1	<0.5
175414	<5	<5	6	<100	<1	5	37	320	<2	9.63	0.8	<1	<5	<5	10700	<50	<30	0.2	25	<5	<0.01	<0.05	<1	<0.5
175415	<5	<5	<2	770	<1	<1	<5	200	<2	1.89	10	<1	<5	<5	3450	170	100	<0.2	3.4	<5	<0.01	<0.05	2	8.5
175680	3160	<5	280	<100	<1	3	24	150	<2	11.2	1.1	<1	<5	18	<100	<50	<30	5.8	27	<5	<0.01	<0.05	<1	1.5
175681	7	<5	<2	<100	<1	3	23	51	<2	15.3	3.3	<1	<5	<5	3920	<50	<30	0.3	7.4	<5	<0.01	<0.05	<1	4.2
175682	16	<5	4	<100	<1	2	56	200	<2	9.23	2.8	<1	<5	<5	17100	260	33	0.4	9.9	<5	<0.01	<0.05	<1	3.5
175683	<5	<5	5	150	<1	<1	26	110	<2	6.77	2.1	<1	<5	<5	25800	<50	<30	<0.2	5.0	<5	<0.01	<0.05	<1	2.4
175684	<5	<5	36	160	<1	2	31	150	<2	7.54	2.6	<1	<5	<5	13100	<50	<30	0.5	8.4	<5	<0.01	<0.05	<1	3.0
175685	6	<5	50	<100	2	6	<5	110	<2	11.7	<0.5	<1	<5	<5	<100	<50	<30	0.7	0.6	<5	<0.01	<0.05	<1	<0.5
175686	<5	<5	14	<100	1	5	<5	90	<2	13.9	<0.5	<1	<5	<5	<100	<50	<30	0.3	0.5	<5	<0.01	<0.05	<1	<0.5
175687	<5	<5	3	<100	<1	4	<5	110	<2	11.7	<0.5	<1	<5	<5	109	<50	<30	0.6	0.4	<5	<0.01	<0.05	<1	<0.5
175688	<5	<5	<2	370	<1	<1	9	97	<2	1.99	3.2	<1	<5	<5	35900	<50	43	0.3	4.6	<5	<0.01	<0.05	<1	3.7

Activation Laboratories Ltd. Work Order: 5653 Report: 5578

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SN %	SR %	TA PPM	TH PPM
170967	19	<5	11	<100	<1	2	140	180	<2	7.15	2.6	<1	<5	<5	23500	<68	<30	0.4	19	9	<0.01	<0.05	<1	2.1
170968	<5	<5	<2	160	<1	11	9	160	<2	1.86	<0.5	<1	<5	<5	8630	<50	<30	<0.2	6.3	<5	<0.01	<0.05	<1	<0.5
170969	6	<5	17	<100	<1	5	60	1300	<2	5.59	0.8	<1	<5	<5	4210	840	<30	0.4	20	<5	<0.01	<0.05	<1	0.9
170990	<5	<5	30	360	<1	2	38	320	<2	4.25	0.8	<1	<5	<5	857	240	63	<0.2	27	<5	<0.01	<0.05	<1	<0.5
170991	62	9	760	760	<1	<1	600	100	4	3.33	1.0	<1	<5	19	8260	<64	69	0.6	4.9	16	<0.01	<0.05	<1	1.1
170992	<5	<5	6	580	<1	3	28	230	4	7.25	2.1	<1	<5	<5	26100	<67	55	0.4	35	<5	<0.01	<0.05	<1	1.2
170993	<5	<5	4	950	<1	5	24	230	4	6.32	2.2	<1	<5	<5	24100	<68	<30	<0.2	35	<5	<0.01	<0.05	<1	1.2
170994	<5	<5	3	630	<1	4	30	230	3	7.04	2.4	<1	<5	<5	25600	310	<30	0.4	33	<5	<0.01	<0.05	<1	0.9
170995	7	<5	<2	930	<1	5	35	260	3	7.80	2.2	<1	<5	<5	29200	<70	<30	0.3	37	<5	<0.01	<0.05	<1	1.1
170996	87	<5	140	660	<1	<1	140	120	6	5.27	2.1	<1	<5	22	13000	<51	53	4.4	5.9	13	<0.01	<0.05	2	1.1
170997	<5	<5	25	360	<1	12	29	320	<2	4.79	0.9	<1	<5	<5	3570	250	<30	1.4	19	<5	<0.01	<0.05	<1	<0.5
170998	<5	<5	<2	680	<1	<1	<5	190	<2	1.84	10	<1	<5	<5	3710	<50	98	<0.2	3.3	<5	<0.01	<0.05	2	8.5
170999	<5	<5	15	290	<1	7	51	24	<2	6.31	2.9	<1	<5	<5	20100	<69	<30	<0.2	40	<5	<0.01	<0.05	<1	0.8
170942	<5	<5	5	810	21	6	31	310	<2	2.45	1.3	<1	<5	<5	29800	<61	76	0.4	33	<5	<0.01	<0.05	<1	<0.5
170943	<5	<5	<2	170	<1	2	43	300	<2	10.9	1.2	<1	<5	<5	8180	270	<30	0.2	24	<5	<0.01	<0.05	<1	<0.5
170944	<5	<5	<2	<100	<1	5	30	310	<2	9.53	0.9	<1	<5	<5	9380	280	<30	0.2	24	<5	<0.01	<0.05	<1	<0.5
170945	<5	<5	52	<100	<1	3	51	330	<2	8.98	1.0	<1	<5	<5	15100	410	<30	<0.2	24	<5	<0.01	<0.05	<1	<0.5
170946	23	<5	<2	160	<1	<1	120	160	<2	16.5	0.9	<1	<5	<5	3700	290	<30	<0.2	13	10	<0.01	<0.05	<1	0.7
170947	<5	<5	18	<100	<1	5	37	330	<2	6.26	0.9	<1	<5	<5	12100	210	<30	0.4	24	<5	<0.01	<0.05	<1	<0.5
170948	<5	<5	<2	260	<1	<1	38	310	<2	12.0	1.0	<1	<5	<5	13600	<60	<30	<0.2	24	<5	<0.01	<0.05	<1	<0.5
170949	<5	<5	11	390	<1	6	48	320	<2	5.91	1.2	<1	<5	<5	10700	320	<30	0.5	26	<5	<0.01	<0.05	<1	<0.5
170950	<5	<5	<2	<100	2	4	25	320	<2	12.2	1.1	<1	<5	<5	10200	<57	<30	0.5	24	<5	<0.01	<0.05	<1	<0.5
170951	<5	<5	<2	<100	<1	1	51	300	<2	14.0	0.9	<1	<5	<5	113	<55	<30	0.3	23	<5	<0.01	<0.05	<1	<0.5
170952	<5	<5	<2	<100	<1	5	51	200	<2	11.7	2.0	<1	<5	<5	4100	<68	<30	0.3	40	<5	<0.01	<0.05	<1	<0.5
170953	<5	<5	<2	<100	<1	7	51	210	<2	9.82	1.8	<1	<5	<5	15800	<71	<30	<0.2	46	<5	<0.01	<0.05	<1	<0.5
170954	<5	<5	3	<100	<1	5	44	190	<2	8.11	1.8	<1	<5	<5	20200	<64	<30	0.3	43	<5	<0.01	<0.05	<1	<0.5
170955	<5	<5	21	120	<1	5	55	340	<2	5.65	<0.5	<1	<5	<5	16700	<57	<30	0.8	36	<5	<0.01	<0.05	<1	<0.5
170956	87	<5	58	150	<1	5	49	320	<2	5.36	0.9	<1	<5	<5	9880	270	32	0.7	35	<5	<0.01	<0.05	<1	<0.5
170957	96	<5	54	<100	<1	6	44	300	<2	4.78	1.3	<1	<5	<5	9880	<52	<30	0.6	32	<5	<0.01	<0.05	<1	<0.5
170958	166	<5	68	210	<1	5	48	310	<2	4.17	1.3	<1	<5	<5	9400	<55	32	0.6	34	<5	<0.01	<0.05	<1	<0.5
170959	<5	<5	5	130	2	4	40	360	<2	8.56	1.6	<1	<5	<5	11600	<57	<30	1.8	30	<5	<0.01	<0.05	<1	1.7
170960	65	<5	9	<100	<1	<1	18	180	<2	1.54	<0.5	<1	<5	<5	163	<50	<30	0.3	3.0	<5	<0.01	<0.05	<1	<0.5
170961	248	<5	47	<100	<1	<1	45	290	<2	3.88	1.4	<1	<5	<5	702	250	36	1.5	9.2	<5	<0.01	<0.05	<1	1.1
170962	<5	<5	13	150	<1	6	49	21	<2	6.16	2.7	<1	<5	<5	19700	<60	<30	0.3	38	<5	<0.01	<0.05	1	0.9
170963	30	<5	60	<100	4	2	82	78	<2	33.1	<0.5	<1	<5	<5	2010	210	<30	1.2	2.6	<5	<0.01	<0.05	<1	<0.5
170964	<5	<5	<2	390	2	2	<5	95	4	6.80	3.4	<1	<5	<5	21700	230	39	<0.2	4.6	<5	<0.01	0.06	<1	4.4
170965	<5	<5	2	<100	<1	<1	<5	150	<2	1.78	<0.5	<1	<5	<5	142	<50	<30	0.2	0.9	<5	<0.01	<0.05	<1	<0.5
170966	<5	<5	<2	360	<1	<1	<5	100	3	1.67	3.4	<1	<5	<5	36100	<50	<30	0.3	2.7	<5	<0.01	<0.05	<1	4.6
170967	<5	<5	<2	150	<1	7	69	320	<2	12.1	1.5	<1	<5	<5	11300	<55	40	0.2	37	<5	<0.01	<0.05	<1	<0.5
170968	<5	<5	5	130	<1	12	39	110	<2	7.07	3.2	<1	<5	<5	14400	<52	<30	0.6	22	<5	<0.01	<0.05	<1	3.0
170969	<5	<5	<2	330	<1	4	37	69	6	6.72	3.4	<1	<5	<5	32300	<57	44	<0.2	22	<5	<0.01	<0.05	<1	2.6
170970	<5	<5	<2	470	2	<1	15	110	<2	2.65	3.3	<1	<5	<5	49600	<59	72	<0.2	6.6	<5	<0.01	<0.05	<1	11
170971	<5	<5	<2	650	<1	<1	<5	200	<2	1.87	10	<1	<5	<5	3610	<50	120	<0.2	3.2	<5	<0.01	<0.05	2	8.1
170972	6	<5	<2	<100	<1	7	<5	110	<2	1.03	<0.5	<1	<5	<5	1100	<30	<30	0.2	1.5	<5	<0.01	<0.05	<1	<0.5
170973	12	<5	12	410	<1	3	25	76	<2	7.42	2.8	2	<5	<5	11300	<51	<30	1.8	28	<5	<0.01	<0.05	<1	1.8

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Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SM %	SR %	TA PPM	TH PPM
170474	<5	<5	<2	580	<1	<1	5	81	<2	4.07	3.8	<1	<5	<5	40800	<55	<30	<0.2	8.8	<5	<0.01	<0.05	<1	5.3
170475	<5	<5	3	<100	2	<1	<5	60	<2	17.9	<0.5	<1	<5	<5	205	<50	<30	0.9	0.8	<5	<0.01	<0.05	<1	<0.5
170476	23	<5	5	<100	<1	4	69	480	<2	13.7	1.0	<1	<5	<5	3160	<64	<30	0.5	33	<5	<0.01	<0.05	<1	0.8
170477	1950	<5	280	520	<1	<1	13	140	5	9.50	2.4	<1	<5	7	9630	<63	76	9.7	36	<5	<0.01	<0.05	<1	<0.5
170483	13	<5	49	730	<1	3	28	700	4	6.03	1.3	<1	<5	<5	4300	<55	91	3.8	34	<5	<0.01	<0.05	<1	0.9
170484	<5	<5	<2	290	5	7	48	140	3	9.19	3.8	<1	<5	<5	15600	<50	<30	<0.2	25	<5	<0.01	0.05	<1	1.5
170485	30	<5	55	<100	2	4	53	1900	<2	8.64	1.1	<1	<5	<5	190	660	<30	0.9	23	<5	<0.01	<0.05	<1	1.9
170486	5400	<5	46	<100	1	<1	22	360	<2	8.11	0.8	<1	<5	<5	118	180	<30	0.9	5.8	<5	<0.01	<0.05	<1	1.5
170487	1160	<5	40	<100	2	<1	35	310	<2	10.3	1.3	<1	<5	<5	327	300	<30	1.0	14	<5	<0.01	<0.05	<1	1.8
170488	67	<5	25	330	<1	5	40	340	<2	9.98	1.1	<1	<5	<5	863	230	41	0.5	25	<5	<0.01	<0.05	<1	<0.5
170489	<5	<5	<2	<100	<1	<1	30	95	3	17.7	2.1	<1	<5	<5	162	<65	34	<0.2	45	<5	<0.01	<0.05	<1	1.3
170490	<5	<5	3	400	<1	2	77	730	<2	8.09	2.3	<1	<5	<5	20000	370	46	<0.2	40	<5	<0.01	0.08	<1	2.7
170491	<5	<5	<2	620	2	2	15	94	<2	2.34	4.5	<1	<5	<5	35300	300	49	<0.2	5.7	<5	<0.01	<0.05	<1	5.0
170492	<5	<5	7	600	<1	<1	7	110	<2	3.98	4.3	<1	<5	<5	24100	<50	90	<0.2	15	<5	<0.01	<0.05	<1	4.7
170493	<5	<5	7	450	<1	1	15	88	<2	3.57	4.1	<1	<5	<5	23800	<50	85	0.2	8.9	<5	<0.01	<0.05	<1	4.5
170494	<5	<5	21	520	<1	2	21	80	<2	6.78	3.2	<1	<5	<5	19500	<50	95	0.7	7.9	<5	<0.01	<0.05	<1	3.1
170495	<5	<5	3	560	<1	4	11	64	<2	2.42	6.2	<1	<5	<5	18600	<50	110	<0.2	4.1	<5	<0.01	<0.05	1	8.3
170496	<5	<5	<2	300	1	2	<5	120	<2	3.12	2.9	<1	<5	<5	13800	<50	88	<0.2	7.3	<5	<0.01	<0.05	<1	3.1
170497	<5	<5	5	630	<1	2	14	130	<2	2.80	4.3	<1	<5	<5	34800	<50	46	0.3	7.3	<5	<0.01	<0.05	<1	5.0
170498	<5	<5	<2	360	<1	5	46	48	19	11.3	1.7	<1	<5	<5	27800	<62	100	0.4	49	<5	<0.01	<0.05	<1	1.0
170499	<5	<5	<2	180	2	8	60	80	<2	10.2	1.8	<1	<5	7	20700	<59	34	<0.2	52	<5	<0.01	<0.05	<1	1.0
170500	<5	<5	<2	660	<1	<1	<5	190	<2	1.83	9.4	<1	<5	<5	3650	200	140	<0.2	3.3	<5	<0.01	<0.05	3	8.5
172049	<5	<5	16	100	<1	3	44	170	<2	16.8	1.2	<1	<5	<5	145	360	<30	<0.2	25	<5	<0.01	<0.05	<1	<0.5
172050	5	<5	5	340	<1	<1	15	52	<2	7.72	4.6	<1	<5	<5	19500	<50	43	0.5	12	<5	<0.01	<0.05	<1	3.8
172051	<5	<5	6	230	<1	3	28	37	<2	8.70	6.1	<1	<5	<5	35200	<57	<30	<0.2	28	<5	<0.01	0.05	<1	2.2
172052	<5	<5	7	190	<1	3	45	370	2	6.60	1.6	<1	<5	<5	31400	<59	43	0.3	37	<5	<0.01	<0.05	<1	0.8
172053	<5	<5	2	<100	<1	1	21	71	<2	5.58	2.7	<1	<5	<5	22900	<50	<30	0.4	9.1	<5	<0.01	<0.05	<1	2.9
172054	<5	<5	<2	230	<1	3	19	130	4	7.40	3.0	<1	<5	<5	20000	<50	65	<0.2	6.1	<5	<0.01	<0.05	<1	4.1
172055	<5	<5	22	380	4	1	58	110	2	4.19	2.6	<1	<5	<5	25400	820	<30	<0.2	8.6	5	<0.01	<0.05	<1	3.4
172056	<5	<5	13	160	<1	3	44	130	6	4.19	2.7	<1	<5	<5	18800	<50	75	<0.2	8.9	<5	<0.01	<0.05	<1	2.5
172057	<5	<5	2	280	<1	8	69	310	4	10.8	1.9	<1	<5	<5	16700	240	39	0.4	37	<5	<0.01	<0.05	<1	<0.5
172058	<5	<5	<2	200	<1	11	51	310	<2	8.77	1.3	<1	<5	<5	10500	330	33	0.2	39	<5	<0.01	<0.05	<1	2.0
172059	<5	<5	4	420	<1	2	17	110	3	2.63	3.9	<1	<5	<5	36800	<50	120	<0.2	10	<5	<0.01	<0.05	1	5.4
172060	<5	<5	14	280	<1	7	52	22	<2	6.22	2.7	<1	<5	<5	19700	<62	35	0.3	39	<5	<0.01	<0.05	<1	0.9
174701	<5	<5	4	140	<1	4	43	150	<2	0.98	2.2	<1	<5	<5	25000	<50	32	0.4	33	<5	<0.01	<0.05	<1	1.1
174702	13	<5	22	240	<1	<1	<5	66	3	3.74	2.7	<1	<5	<5	12300	<50	58	1.3	3.8	<5	<0.01	<0.05	<1	1.8
174703	65	<5	57	250	<1	<1	<5	58	3	12.6	3.6	<1	<5	<5	16600	<50	40	4.3	6.8	<5	<0.01	<0.05	<1	2.3
174704	10	<5	<2	250	<1	6	23	110	7	10.1	3.0	<1	<5	18	19500	<55	<30	0.4	31	<5	<0.01	<0.05	<1	1.7
174705	<5	<5	<2	490	<1	3	5	71	8	6.07	3.9	<1	<5	<5	15800	<50	94	0.2	11	<5	<0.01	<0.05	<1	4.4
174706	<5	6	<2	<100	<1	7	9	100	<2	11.5	1.4	<1	<5	<5	12000	<50	<30	<0.2	30	<5	<0.01	<0.05	<1	1.7
174707	<5	<5	<2	<100	<1	8	16	130	<2	11.1	2.0	<1	<5	<5	8680	<50	<30	<0.2	25	<5	<0.01	<0.05	<1	4.3
174708	<5	<5	2	400	<1	5	16	270	4	6.49	2.6	<1	<5	<5	33200	<52	54	<0.2	23	<5	<0.01	<0.05	<1	3.0
174709	<5	<5	3	<100	<1	7	47	140	2	8.21	1.5	<1	<5	<5	12500	<50	<30	<0.2	17	<5	<0.01	0.07	<1	1.5
174710	<5	<5	<2	650	1	1	<5	190	<2	1.84	10	<1	<5	<5	3690	<50	110	<0.2	3.2	<5	<0.01	<0.05	2	8.7
174711	<5	<5	<2	350	3	2	8	70	2	3.58	3.4	<1	<5	<5	13600	<50	71	0.4	3.7	<5	<0.01	<0.05	<1	4.9

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Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SM %	SR %	TA PPM	TH PPM
175689	<5	<5	7	170	<1	4	45	400	<2	2.25	1.3	<1	<5	<5	19500	<50	<30	0.3	23	<5	<0.01	<0.05	<1	0.6
175690	<5	<5	<2	430	<1	3	26	90	<2	3.21	3.8	<1	<5	<5	20600	<50	79	<0.2	10	<5	<0.01	<0.05	<1	4.7
175691	11	<5	55	260	<1	<1	36	75	2	12.3	2.2	2	<5	<5	16300	<50	75	1.7	4.0	<5	<0.01	<0.05	<1	1.7
175692	<5	<5	13	310	<1	<1	13	61	2	2.95	3.5	<1	<5	<5	22300	<50	67	0.4	5.3	<5	<0.01	<0.05	<1	3.3
175693	6	<5	11	320	<1	2	11	110	<2	3.11	2.7	<1	<5	<5	20600	<50	47	0.4	8.2	<5	<0.01	<0.05	<1	3.5
175694	7	<5	<2	150	<1	<1	<5	180	<2	1.35	0.8	<1	<5	17	1330	<50	<30	<0.2	3.4	<5	<0.01	<0.05	<1	0.7
175695	<5	<5	<2	<100	<1	<1	<5	190	<2	1.08	<0.5	<1	<5	<5	<100	<50	<30	<0.2	0.2	<5	<0.01	<0.05	<1	<0.5
175696	<5	<5	<2	<100	<1	<1	<5	270	<2	1.29	<0.5	<1	<5	<5	<100	<50	<30	<0.2	0.3	<5	<0.01	<0.05	<1	<0.5
175697	32	<5	130	200	<1	<1	50	140	<2	15.4	1.9	<1	<5	<5	25100	<50	<30	5.2	6.3	<5	<0.01	<0.05	<1	2.0
175698	<5	<5	<2	<100	<1	<1	<5	210	<2	3.31	<0.5	<1	<5	<5	119	<50	<30	0.3	0.3	<5	<0.01	<0.05	<1	<0.5
175699	<5	<5	10	370	<1	4	54	300	3	5.41	2.3	<1	<5	<5	26200	<50	42	0.2	26	<5	<0.01	<0.05	<1	1.3
175700	<5	<5	<2	740	<1	<1	<5	200	<2	1.05	10	<1	<5	7	3430	<50	90	<0.2	3.2	<5	<0.01	<0.05	2	0.3

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Sample description	U PPM	W PPM	ZN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	CU PPM	Mass g
170887	<0.5	<4	<50	6.0	14	<5	1.6	0.6	<0.5	1.0	0.19	1083	1.770
170888	<0.5	<4	53	<0.5	<3	<5	0.2	<0.2	<0.5	0.4	0.09	172	2.132
170889	<0.5	<4	150	6.3	11	7	1.3	0.4	<0.5	1.1	0.19	406	1.481
170890	<0.5	<4	130	2.1	4	6	1.0	0.4	<0.5	1.0	0.18	265	1.755
170891	<0.5	<4	5200	3.3	8	<5	0.7	<0.2	<0.5	0.6	0.09	3558	2.011
170892	<0.5	<4	110	4.5	10	<5	1.7	0.6	<0.5	1.7	0.27	305	2.165
170893	<0.5	<4	<50	4.5	10	<5	1.8	0.8	0.6	1.6	0.20	254	1.972
170894	0.6	<4	<50	4.3	10	5	1.5	0.8	<0.5	1.6	0.29	278	2.030
170895	<0.5	<4	150	5.6	12	9	2.1	0.8	<0.5	2.2	0.36	413	2.082
170896	<0.5	<4	2600	5.8	11	<5	1.1	<0.2	<0.5	0.6	0.12	1921	1.907
170897	<0.5	<4	<50	4.2	10	<5	1.4	0.7	<0.5	1.1	0.16	129	2.107
170898	2.2	<4	<50	51.7	115	63	14	2.2	3.5	14.1	2.11	53	1.744
170899	<0.5	<4	200	7.6	16	11	3.1	1.1	<0.5	2.7	0.40	274	1.714
170942	<0.5	<4	230	2.8	7	<5	1.3	0.6	<0.5	1.0	0.15	170	2.200
170943	<0.5	<4	<50	2.1	7	7	1.3	0.8	0.5	1.4	0.23	322	1.681
170944	<0.5	<4	<50	1.9	5	<5	1.3	0.4	<0.5	1.3	0.21	219	1.695
170945	<0.5	<4	<50	1.6	5	7	1.4	0.9	<0.5	1.3	0.22	210	1.573
170946	<0.5	<4	110	1.7	6	<5	1.1	0.4	<0.5	1.1	0.17	584	1.902
170947	<0.5	<4	<50	1.7	5	<5	1.3	0.5	<0.5	1.2	0.21	127	1.989
170948	<0.5	<4	110	1.4	5	<5	1.3	0.6	0.6	1.3	0.19	402	1.845
170949	<0.5	<4	<50	2.1	6	<5	1.4	0.6	<0.5	1.4	0.24	207	2.049
170950	<0.5	<4	130	1.5	5	<5	1.1	0.4	<0.5	1.2	0.18	300	1.883
170951	<0.5	<4	130	1.7	4	<5	1.2	0.5	<0.5	1.2	0.20	445	1.628
170952	<0.5	<4	270	3.3	10	6	2.3	0.9	0.7	2.8	0.42	225	1.384
170953	<0.5	<4	200	3.3	9	<5	2.6	0.9	<0.5	3.3	0.50	274	1.499
170954	<0.5	<4	170	3.2	9	9	2.4	0.9	0.8	2.7	0.43	250	1.929
170955	<0.5	<4	190	3.8	8	<5	1.7	0.6	<0.5	1.7	0.28	217	1.980
170956	<0.5	<4	160	2.8	9	<5	1.4	0.6	<0.5	1.6	0.26	233	1.795
170957	<0.5	<4	130	2.2	7	<5	1.1	0.6	<0.5	1.6	0.28	200	1.931
170958	<0.5	<4	100	2.3	6	<5	1.2	0.6	<0.5	1.5	0.25	187	1.797
170959	0.8	<4	180	5.9	14	8	1.9	0.6	<0.5	1.7	0.26	231	1.730
170960	<0.5	<4	83	2.4	6	<5	1.0	0.3	<0.5	0.5	0.07	98	1.814
170961	<0.5	5	230	10.1	27	17	5.0	1.5	0.9	2.9	0.38	133	1.470
170962	<0.5	<4	<50	7.4	17	9	3.0	1.2	<0.5	2.8	0.47	275	1.943
170963	<0.5	<4	85	3.7	7	6	0.5	<0.2	<0.5	0.6	0.11	506	2.789
170964	1.2	<4	<50	18.1	26	8	1.6	0.5	<0.5	0.6	0.12	255	1.843
170965	<0.5	<4	<50	<0.5	<3	<5	<0.1	<0.2	<0.5	0.3	<0.05	109	1.943
170966	1.3	<4	<50	16.0	25	7	1.4	0.5	<0.5	0.4	0.07	312	1.952
170967	<0.5	<4	180	3.6	10	<5	2.1	0.7	<0.5	2.3	0.36	580	2.189
170968	0.8	<4	140	33.7	61	29	4.8	1.5	0.6	2.2	0.37	312	1.900
170969	<0.5	<4	140	27.9	55	27	4.6	1.4	<0.5	2.3	0.36	433	2.025
170970	4.2	<4	120	67.8	109	35	5.2	1.6	<0.5	0.8	0.12	247	1.822
170971	1.8	<4	<50	51.6	114	60	14	2.2	3.5	14.2	2.11	242	1.750
170972	<0.5	<4	<50	0.8	<3	<5	0.2	<0.2	<0.5	<0.2	<0.05	352	2.141
170973	<0.5	<4	3400	12.2	24	9	2.8	1.4	0.7	2.5	0.38	473	2.095

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Sample description	U PPM	W PPM	ZR PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	CU PPM	Mass g
170474	1.3	<4	120	15.8	30	12	2.5	0.9	<0.5	1.1	0.19	410	1.686
170475	<0.5	<4	<50	4.6	8	<5	0.8	0.4	<0.5	0.7	0.11	330	2.362
170476	<0.5	<4	180	6.4	12	<5	1.8	0.6	<0.5	2.0	0.34	460	1.405
170477	<0.5	110	190	4.3	12	<5	2.0	0.7	0.9	2.8	0.42	429	1.513
170483	<0.5	5	<50	3.0	6	<5	1.1	0.3	<0.5	1.2	0.16	392	1.578
170484	0.7	<4	160	22.4	44	25	5.5	2.0	0.8	3.0	0.46	443	2.259
170485	<0.5	7	240	8.1	17	11	1.8	0.5	<0.5	1.3	0.22	572	1.478
170486	<0.5	11	160	9.7	22	11	1.5	0.5	<0.5	0.7	0.12	438	1.906
170487	0.6	10	270	16.8	37	17	3.2	0.9	0.5	0.9	0.16	403	1.673
170488	<0.5	<4	220	3.4	8	<5	1.0	0.4	<0.5	1.2	0.20	477	1.652
170489	<0.5	<4	240	4.5	9	7	1.7	0.7	<0.5	3.1	0.47	490	1.601
170490	<0.5	<4	160	13.8	30	14	3.2	1.0	<0.5	1.7	0.20	375	2.039
170491	1.4	<4	100	26.3	47	20	3.8	1.3	<0.5	1.8	0.27	273	1.954
170492	1.2	<4	130	14.5	24	11	2.3	0.9	<0.5	1.2	0.21	290	2.055
170493	1.5	<4	110	24.0	45	21	3.6	1.2	<0.5	1.4	0.21	274	2.057
170494	1.3	<4	<50	12.8	23	11	2.4	0.8	<0.5	1.0	0.18	310	2.113
170495	2.0	<4	<50	46.5	79	28	4.8	1.5	0.6	1.5	0.25	243	2.124
170496	0.9	<4	50	11.2	19	5	1.3	0.6	<0.5	0.5	0.10	281	1.928
170497	1.3	<4	54	29.1	51	20	4.1	1.4	<0.5	1.6	0.26	262	1.987
170498	<0.5	<4	220	15.2	33	14	3.5	1.2	0.8	3.5	0.58	420	2.242
170499	<0.5	<4	240	10.8	28	16	3.1	1.0	<0.5	3.3	0.52	411	2.328
170500	1.8	<4	50	50.9	113	57	14	2.2	3.8	14.1	2.09	274	1.627
172049	<0.5	<4	160	3.0	7	<5	1.4	0.5	<0.5	2.2	0.39	502	1.850
172050	2.5	<4	120	19.3	43	21	4.8	1.7	<0.5	2.6	0.40	322	1.938
172051	<0.5	<4	180	16.4	36	22	6.0	1.9	1.6	7.5	1.16	386	2.016
172052	<0.5	<4	200	4.9	13	10	1.8	0.5	<0.5	1.9	0.32	512	1.903
172053	0.9	<4	150	22.6	43	15	3.0	0.9	<0.5	0.8	0.07	334	1.911
172054	0.6	<4	<50	16.6	28	9	1.7	0.6	<0.5	0.6	0.10	616	2.089
172055	1.1	<4	430	13.1	26	12	2.0	0.7	<0.5	1.2	0.22	745	1.800
172056	<0.5	<4	590	8.5	16	7	1.3	0.5	<0.5	1.1	0.19	916	1.999
172057	<0.5	<4	290	5.9	14	8	2.8	1.5	<0.5	2.1	0.34	776	2.168
172058	<0.5	<4	260	18.5	31	15	3.8	1.0	<0.5	2.3	0.34	567	2.328
172059	2.0	<4	290	26.9	43	18	2.8	0.8	<0.5	0.9	0.18	566	2.082
172060	<0.5	<4	<50	7.6	19	6	3.1	0.9	<0.5	3.0	0.47	614	1.604
174701	<0.5	<4	<50	6.0	18	9	2.4	0.9	<0.5	1.3	0.20	542	1.987
174702	<0.5	<4	<50	7.2	10	<5	0.6	0.3	<0.5	0.5	0.09	627	1.703
174703	<0.5	<4	220	5.5	8	<5	1.0	0.4	<0.5	0.5	0.10	828	1.637
174704	<0.5	<4	220	21.5	44	20	4.2	1.2	0.7	3.7	0.55	678	1.945
174705	1.4	<4	100	22.6	38	11	2.8	1.1	0.6	1.7	0.32	566	2.051
174706	0.7	<4	220	14.2	20	8	1.6	0.5	<0.5	1.9	0.34	586	2.361
174707	0.9	<4	150	29.6	38	10	2.8	1.0	0.5	2.3	0.42	591	2.267
174708	1.7	<4	200	17.3	30	16	2.9	1.0	0.6	1.4	0.26	537	2.030
174709	<0.5	<4	160	29.9	38	14	2.5	1.2	<0.5	1.6	0.26	712	2.571
174710	1.5	<4	<50	51.1	113	59	14	2.2	3.3	14.2	2.14	486	1.722
174711	1.3	<4	98	21.4	34	10	1.7	0.7	<0.5	0.4	0.08	473	2.238

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Sample description	U PPM	W PPM	SN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	CU PPM	Mass g
174712	0.9	<4	140	30.2	45	18	2.6	0.9	<0.5	1.3	0.21	556	2.046
174901	<0.5	<4	310	10.9	26	12	2.9	1.0	0.6	3.0	0.46	569	1.864
174902	1.5	<4	300	47.5	80	36	7.6	2.3	<0.5	2.6	0.42	688	1.840
174903	<0.5	<4	440	19.7	33	9	1.7	0.8	<0.5	2.0	0.35	870	2.553
174904	<0.5	<4	310	21.7	38	13	2.4	1.0	<0.5	1.9	0.34	957	2.152
174905	<0.5	<4	360	20.4	40	14	2.3	0.9	<0.5	2.0	0.34	1088	2.517
174906	<0.5	<4	250	7.5	11	<5	1.1	0.7	<0.5	1.5	0.28	750	2.049
174907	1.1	<4	<50	18.2	35	16	3.9	1.4	<0.5	1.7	0.30	537	1.951
174908	<0.5	<4	240	7.6	18	8	2.3	0.9	<0.5	2.2	0.37	583	2.145
174909	<0.5	<4	72	32.3	58	22	4.2	1.7	<0.5	1.9	0.32	660	2.001
174910	<0.5	<4	140	2.8	10	7	1.9	0.8	<0.5	2.3	0.37	721	1.878
174911	0.6	<4	88	10.3	23	12	2.6	0.9	<0.5	1.9	0.31	532	2.081
174912	9.0	<4	<50	94.8	178	53	9.4	1.1	<0.5	0.8	0.15	667	1.929
174913	<0.5	6	290	4.1	15	8	2.9	0.9	0.9	4.2	0.70	713	2.243
174914	<0.5	6	220	2.8	11	8	2.0	0.8	0.6	3.5	0.56	746	2.253
174915	<0.5	<4	200	3.4	12	<5	2.0	1.0	<0.5	2.5	0.38	825	2.041
174916	<0.5	<4	91	8.3	19	10	2.6	0.8	0.5	2.0	0.30	515	1.806
174917	<0.5	<4	110	2.7	8	<5	1.8	0.8	0.5	2.1	0.33	567	1.936
174918	<0.5	<4	180	7.1	16	6	2.5	1.0	<0.5	1.5	0.21	566	2.277
174919	4.0	<4	140	46.0	98	51	11	3.9	1.2	2.2	0.32	624	2.087
174920	1.9	<4	50	50.9	126	66	14	2.2	3.3	13.7	2.03	495	1.717
174921	1.6	<4	160	17.5	37	17	3.8	1.1	<0.5	1.6	0.25	546	1.930
174922	1.5	<4	200	33.8	60	22	5.0	1.8	<0.5	2.2	0.34	699	1.979
174923	<0.5	12	220	10.8	30	15	3.2	1.3	0.7	4.4	0.76	649	2.359
174924	0.6	<4	110	19.6	32	16	2.7	1.0	<0.5	2.0	0.32	574	2.006
174925	2.4	<4	170	16.6	34	14	3.6	1.3	<0.5	2.1	0.36	630	1.784
174926	<0.5	29	220	4.6	13	<5	1.8	0.8	<0.5	2.2	0.36	1022	1.757
174927	2.3	<4	<50	51.0	125	62	13	2.4	3.3	13.5	2.06	526	1.648
175408	<0.5	<4	170	1.8	6	<5	1.5	0.7	<0.5	1.1	0.15	669	1.878
175409	<0.5	<4	85	1.9	8	5	1.6	0.8	<0.5	1.2	0.14	613	1.924
175410	<0.5	<4	130	1.9	7	<5	1.5	0.8	<0.5	1.2	0.19	608	1.830
175411	<0.5	<4	130	1.5	6	<5	1.0	0.7	<0.5	1.6	0.26	627	1.798
175412	<0.5	<4	130	1.6	6	<5	1.4	0.5	<0.5	1.3	0.19	614	1.988
175413	0.5	<4	130	1.5	6	5	1.1	0.3	<0.5	1.2	0.21	696	1.799
175414	<0.5	<4	580	2.0	8	<5	1.4	0.6	<0.5	1.4	0.22	783	1.807
175415	1.8	4	59	49.9	128	63	14	2.3	3.4	13.8	2.11	504	1.535
175680	<0.5	40	140	3.6	10	<5	1.2	0.4	<0.5	1.1	0.19	824	1.562
175681	0.9	<4	1000	13.9	32	12	2.3	0.8	<0.5	1.3	0.21	892	1.699
175682	0.8	<4	990	18.1	35	13	2.2	0.8	<0.5	0.6	0.11	811	2.214
175683	0.8	<4	<50	8.7	17	6	1.3	0.5	<0.5	0.5	0.10	636	2.267
175684	0.6	<4	300	16.7	32	12	2.2	0.8	<0.5	1.0	0.12	648	2.112
175685	<0.5	<4	<50	2.4	6	<5	0.7	0.7	<0.5	0.8	0.14	739	2.351
175686	<0.5	<4	51	2.5	8	<5	0.7	0.5	<0.5	0.9	0.13	763	2.459
175687	<0.5	<4	69	2.2	5	<5	0.4	0.4	<0.5	0.4	0.06	651	2.231
175688	0.9	<4	54	19.0	35	11	2.0	0.9	<0.5	0.3	0.06	554	2.196

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Sample description	U PPM	W PPM	SN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	CU PPM	Mass g
175681	<0.5	<4	62	2.0	6	<5	0.8	0.4	<0.5	0.7	0.10	507	2.194
175690	1.3	<4	55	15.4	30	11	2.0	1.1	<0.5	0.6	0.09	550	2.152
175691	0.7	<4	<50	3.3	8	<5	0.8	0.4	<0.5	0.3	<0.05	714	2.190
175692	1.1	<4	150	6.9	15	<5	1.3	0.6	<0.5	0.5	0.06	537	2.072
175693	0.9	<4	82	16.9	34	12	2.2	0.9	<0.5	0.5	0.09	521	2.222
175694	<0.5	<4	<50	0.8	<3	<5	0.3	<0.2	<0.5	<0.2	<0.05	509	2.256
175695	<0.5	<4	<50	<0.5	<3	<5	<0.1	<0.2	<0.5	<0.2	<0.05	493	2.324
175696	<0.5	<4	<50	1.6	4	<5	0.2	<0.2	<0.5	0.3	<0.05	570	2.254
175697	<0.5	<4	110	7.3	15	6	1.2	0.4	<0.5	0.6	0.09	764	2.249
175698	<0.5	<4	<50	1.0	3	<5	0.2	<0.2	<0.5	<0.2	<0.05	513	2.323
175699	0.6	<4	150	9.7	25	13	2.9	1.0	<0.5	1.7	0.26	835	2.276
175700	2.0	<4	<50	49.3	124	68	13	2.3	3.4	13.7	2.02	601	1.980

Appendix 2

Whole Rock Analyses

XRAL

XRF - WHOLE ROCK ANALYSIS 20-Aug-93 REPORT 23839 REFERENCE FILE 15623

SAMPLE \ %	SIO2	AL2O3	CAO	MGO	NA2O	K2O	FE2O3	MNO	TIO2	P2O5	CR2O3	LOI	SUM
170879	44.4	15.8	1.80	7.03	.48	.11	23.1	.53	.686	.06	.04	6.30	100.4
170880	43.1	15.7	10.3	6.04	1.26	.18	13.3	.39	.635	.05	.04	9.10	1
170881	48.2	17.7	9.12	6.02	1.12	.16	11.1	.30	.682	.06	.04	5.85	100.4
170882	38.9	14.4	14.9	3.50	.54	2.40	10.3	.40	.566	.06	.03	13.8	100.1
170883	43.6	16.8	8.46	3.87	.47	3.12	12.7	.34	.643	.05	.04	10.0	100.1
170884	40.2	14.3	14.1	3.93	.11	2.17	10.7	.34	.640	.10	.03	13.5	100.2
170885	41.9	16.1	10.8	3.61	.10	2.67	12.7	.28	.618	.05	.03	11.3	100.2
170886	66.0	8.59	1.23	4.61	.05	.65	12.2	.15	.356	.08	.08	6.00	100.0
170887	73.7	6.31	2.11	4.22	.04	.03	8.60	.09	.264	.07	.07	4.15	99.7
170888	53.2	6.59	10.6	8.66	.04	.04	8.21	.20	.392	.04	.53	11.8	100.3
170889	51.8	13.3	8.52	4.94	2.56	.93	10.1	.34	1.24	.14	<.01	6.15	100.1
175101	47.7	14.2	10.8	7.47	2.30	.02	11.2	.18	.622	.06	.03	4.55	99.2
175102	49.3	13.7	10.4	7.37	1.65	.03	13.3	.20	1.14	.09	.02	2.25	99.5
175103	48.0	14.3	13.0	6.15	1.35	.05	12.9	.21	.934	.08	.03	3.10	100.1
175104	65.7	16.7	2.22	1.24	3.14	3.06	4.06	.07	.690	.18	<.01	2.70	100.0
175105	62.0	16.3	5.06	2.27	3.28	1.09	6.30	.13	.901	.25	.02	2.75	100.5
175106	70.5	14.7	4.66	.48	3.84	1.67	1.36	.05	.794	.26	.02	1.50	100.0
175107	68.9	14.2	3.60	1.33	3.73	1.10	6.16	.11	.702	.18	.01	1.25	99.4
175108	67.8	14.5	3.54	1.78	3.41	.73	5.92	.11	.771	.21	.02	1.65	100.6
175109	73.5	13.9	2.43	.71	5.22	1.04	1.39	.04	.432	.12	<.01	1.45	100.4
175110	49.5	14.7	11.1	8.03	2.39	.04	9.55	.17	.584	.06	.10	4.30	100.6
175111	47.0	17.8	11.7	9.12	1.58	.31	9.34	.15	.600	.05	.01	2.35	100.0
175112	43.3	17.0	10.9	11.6	.76	.03	10.8	.17	.579	.05	.05	4.40	99.7
175113	50.2	14.4	10.7	5.07	1.85	.14	13.4	.23	1.18	.09	.02	2.95	100.3
175114	48.9	14.1	10.2	6.68	.81	<.01	12.2	.18	.944	.09	.02	5.40	99.6
175115	49.8	13.9	11.5	7.76	.96	.02	12.4	.20	.928	.09	.02	2.60	100.2
175116	67.4	15.5	2.20	.94	3.84	2.17	4.54	.05	.528	.12	<.01	2.95	100.3
175117	67.2	14.4	3.56	1.36	4.61	1.78	2.71	.05	.424	.11	<.01	3.75	100.1
175118	70.8	14.6	1.88	1.45	5.68	1.19	2.22	.03	.362	.10	<.01	1.70	100.2
175119	70.6	10.4	.69	.59	.49	7.37	2.62	.05	.277	.03	.02	6.30	99.0
C SY-2	60.0	12.1	8.03	2.68	4.37	4.53	6.29	.32	.174	.43	<.01	1.20	100.3
C SY-2	60.4	12.2	8.10	2.73	4.45	4.56	6.34	.32	.173	.43	<.01	1.20	101.1
D 170879	44.1	15.7	1.82	6.98	.49	.11	22.8	.52	.688	.06	.04	6.30	99.6
D 175103	47.8	14.4	13.1	6.15	1.36	.05	12.8	.21	.947	.08	.03	3.15	100.1
D 175117	67.4	14.5	3.57	1.35	4.62	1.79	2.71	.05	.429	.11	<.01	3.82	100.4

C - QUALITY CONTROL STANDARD
D - QUALITY CONTROL DUPLICATE

XRF W.R.A. SUMS INCLUDE ALL ELEMENTS DETERMINED. FOR SUMMATION, ELEMENTS ARE CALCULATED AS OXIDES

X-RAY ASSAY LABORATORIES 1885 Leslie Street Don Mills Ontario M3B 3J4 (416)445-5753 Fax (416)445-4152 Tlx 06-986942
Member of the SGS Group (Société Générale de Surveillance)

XRAL

XRF - WHOLE ROCK ANALYSIS 20-Aug-93 REPORT 23839 REFERENCE FILE 15623

SAMPLE \ PPM	RB	SR	Y	ZR	NB	BA
170879	<10	13	<10	33	<10	146
170880	<10	101	15	20	22	64
170[illegible]	<10	116	<10	37	16	61
170882	34	42	<10	40	24	262
170883	47	16	<10	39	12	380
170884	38	38	12	36	14	237
170885	47	23	22	26	17	644
170886	<10	<10	13	32	24	167
170887	<10	<10	19	74	<10	102
170888	<10	44	<10	40	16	58
170889	<10	102	21	96	12	296
175101	<10	136	11	30	<10	60
175102	<10	65	17	46	13	64
175103	<10	248	15	47	<10	53
175104	93	402	<10	169	25	1020
175105	38	547	13	160	24	459
175106	54	592	<10	169	<10	680
175107	32	253	16	140	28	336
175108	27	364	11	162	27	369
175109	29	605	<10	117	19	371
175110	<10	255	<10	39	<10	103
175111	<10	92	<10	31	31	150
175112	<10	137	<10	21	<10	55
175113	17	100	25	55	<10	96
175114	<10	123	13	61	14	62
175115	<10	151	13	58	27	70
175116	31	147	<10	162	22	407
175117	33	215	21	141	33	371
175118	27	331	<10	119	15	934
175119	104	41	147	293	35	905
C SY-2	196	264	136	278	<10	478
C SY-2	199	289	131	287	<10	512
D 170879	<10	18	<10	36	12	137
D 175103	<10	241	15	53	22	75
D 175117	32	215	<10	151	17	378

C - QUALITY CON[illegible] STANDARD
D - QUALITY CONTROL DUPLICATE

X-RAY ASSAY LABORATORIES 1885 Leslie Street Don Mills Ontario M3B 3J4 (416)445-5756 Fax (416)445-4152 Tlx 06-[illegible]
Member of the SGS Group (Société Générale de Surveillance)

XRAL

XRF - WHOLE ROCK ANALYSIS 22-Oct-93 REPORT 24282 REFERENCE FILE 15919

SAMPLE \ %	SIO2	AL2O3	CAO	MGO	NA2O	K2O	FE2O3	MNO	TIO2	P2O5	CR2O3	LOI	SUM
RX174601	69.3	10.9	5.86	.85	4.11	.73	3.07	.09	.516	.14	.01	4.90	100.6
RX174602	48.3	14.4	8.03	5.94	2.08	.02	15.1	.20	1.61	.13	.02	3.65	99.5
RX174603	50.8	16.0	5.52	4.06	3.67	.16	12.9	.18	1.63	.16	.03	4.55	99.7
RX174604	46.6	15.9	9.19	4.42	1.28	1.61	11.7	.20	1.17	.12	.03	8.20	100.5
RX174605	46.5	16.3	8.53	6.41	2.11	.04	14.5	.22	1.26	.13	.02	3.60	99.7
RX174606	48.4	16.6	7.99	5.02	2.36	.09	13.4	.25	1.37	.13	.01	6.40	100.1
RX174607	48.5	16.6	11.9	4.39	1.85	.19	10.7	19	1.16	.12	.05	3.45	99.1
RX174608	74.2	12.6	.64	.86	4.60	1.22	2.45	.05	.474	.10	.01	1.40	98.7
RX174609	52.3	13.3	8.54	4.95	2.64	.69	10.1	.34	1.21	.14	<.01	5.80	100.3
RX174610	58.6	18.5	9.70	1.26	2.53	.72	4.49	.12	1.06	.09	.04	3.55	100.5
RX174611	63.8	20.0	6.20	.95	3.74	.81	1.87	.03	1.36	.12	.02	1.15	100.1
RX174612	54.4	14.7	10.2	5.55	2.98	.43	9.67	.17	.970	.11	<.01	.85	99.5
RX174613	69.1	16.5	1.36	1.09	5.04	1.83	3.13	.08	.550	.13	<.01	1.55	100.5
RX174614	66.8	14.1	.70	3.03	.17	2.89	7.66	.09	.620	.13	<.01	3.80	99.9
RX174615	76.9	11.7	1.43	.73	3.07	1.68	1.73	.03	.339	.10	<.01	2.25	100.0
RX174616	52.7	16.7	9.13	3.40	3.06	.66	10.9	.28	1.59	.12	.04	1.15	100.6
RX174617	51.6	14.1	11.0	4.07	1.90	.14	14.5	.37	1.20	.19	.03	1.05	100.2
RX174618	58.7	16.8	6.77	2.08	4.16	.54	7.17	.29	1.21	.18	.03	1.50	99.5
RX174619	56.2	17.5	10.0	1.83	4.53	1.41	4.88	.16	1.63	.50	.01	.60	99.4
RX174620	67.2	13.6	8.29	1.07	1.76	1.56	5.02	.36	.554	.14	.01	.70	100.4
RX174621	68.1	15.0	4.65	.98	3.11	2.50	3.67	.16	.844	.26	.05	.90	100.4
RX174801	74.0	12.4	1.71	1.17	3.16	1.58	3.22	.05	.364	.13	<.01	1.80	99.7
RX174802	48.5	14.0	9.51	4.47	2.12	.08	13.2	.20	1.52	.16	<.01	6.50	100.3
RX174803	44.5	14.5	9.59	6.22	3.09	.18	11.4	.17	1.06	.10	.02	9.55	100.4
RX174804	46.2	14.4	8.23	6.82	2.88	.06	14.2	.17	1.24	.14	.02	5.30	99.7
RX174805	52.4	17.5	9.77	2.52	3.21	1.33	5.83	.18	.781	.18	<.01	6.65	100.5
RX174806	60.4	19.1	7.37	2.33	2.97	.51	3.74	.06	.756	.05	.06	2.80	100.2
RX174807	63.7	18.0	7.47	1.89	2.41	.41	3.28	.06	.731	.07	.06	2.02	100.1
RX174808	62.6	19.6	6.41	.91	3.94	.94	1.81	.03	1.29	.11	.02	1.35	99.1
RX174809	46.5	14.8	9.11	6.41	1.21	2.04	8.93	.16	.595	.06	.08	10.4	100.3
RX174810	51.2	14.4	5.50	8.97	3.67	1.30	10.3	.19	.902	.09	.03	2.85	99.5
RX174811	67.2	14.7	3.82	1.68	2.77	1.61	2.96	.09	.332	.08	<.01	4.85	100.2
RX174812	66.2	15.6	2.72	2.12	4.19	1.89	2.73	.07	.437	.11	<.01	4.40	100.6
RX174813	65.1	15.7	3.07	1.49	3.29	2.49	2.94	.09	.394	.11	<.01	4.85	99.6
RX174814	68.9	14.4	2.76	1.57	2.73	2.11	3.61	.07	.345	.11	<.01	3.90	100.6
RX174815	45.1	13.5	10.4	4.33	2.14	.12	13.5	.28	1.14	.10	.02	9.75	100.4
RX174816	54.1	12.9	8.84	7.74	1.61	.31	11.3	.21	.720	.08	.06	2.20	100.1
RX174817	65.7	17.0	2.37	.81	5.13	2.25	2.65	.06	.528	.13	<.01	2.30	100.1
RX174818	67.3	14.8	2.61	.50	1.76	9.34	1.51	.03	.431	.16	.01	.80	99.4
RX174819	50.7	12.5	9.13	5.61	2.04	.29	16.6	.20	1.60	.14	.01	.70	99.6
RX174820	51.6	13.1	8.38	4.93	2.57	.88	10.0	.34	1.20	.14	<.01	6.30	99.5
RX175120	49.2	8.72	11.2	5.89	3.07	.85	4.64	.12	.254	.09	<.01	16.1	100.3
RX175121	62.4	17.2	3.11	2.15	3.92	1.91	4.15	.05	.524	.14	<.01	4.75	100.4
RX175122	61.2	17.0	3.10	2.49	3.80	1.47	5.48	.05	.507	.14	<.01	4.75	100.1
RX175123	64.5	18.4	1.30	1.68	5.61	2.19	3.41	.04	.470	.13	<.01	2.30	100.2

XRF W.R.A. SUMS INCLUDE ALL ELEMENTS DETERMINED. FOR SUMMATION, ELEMENTS ARE CALCULATED AS OXIDES

X-RAY ASSAY LABORATORIES 1885 Leslie Street Don Mills Ontario M3B 3J4 (416)445-6755 Fax (416)445-4152 Tlx 06-[illegible]
Member of the SGS Group (Société Générale de Surveillance)

XRAL

XRF - WHOLE ROCK ANALYSIS 22-Oct-93 REPORT 24282 REFERENCE FILE 15919

SAMPLE \ %	SIO2	AL2O3	CAO	MGO	NA2O	K2O	FE2O3	MNO	TIO2	P2O5	CR2O3	LOI	SUM
RX175124	64.1	14.7	2.46	2.20	4.77	.78	7.26	.13	.370	.11	<.01	3.20	100.2
RX175125	60.0	15.2	2.03	2.37	3.50	1.24	10.3	.19	1.50	.14	.02	2.75	99.4
RX175126	69.3	16.2	1.14	.93	3.29	.34	2.18	.05	.416	.11	.01	1.05	100.1
RX175127	66.4	15.7	3.75	1.23	2.31	2.71	2.86	.06	.458	.12	<.01	4.80	100.5
RX175128	62.7	13.9	2.34	2.87	1.42	2.43	7.19	.18	.498	.15	<.01	5.40	99.7
RX175129	77.4	11.3	1.25	.41	5.50	1.09	1.64	.07	.208	.07	.02	1.00	100.1
RX175130	44.8	17.5	9.86	3.27	5.77	5.89	8.30	.14	.993	.68	<.01	1.05	98.5
RX175131	68.6	13.1	5.36	.99	.62	3.39	6.12	.28	.267	.09	<.01	1.45	100.4
RX175132	60.4	17.8	3.46	1.38	6.87	1.18	3.56	.08	1.44	.13	.03	3.05	99.5
RX175133	51.5	16.6	8.11	3.42	3.70	.62	7.22	.14	1.38	.14	<.01	6.85	99.7
RX175134	51.2	15.6	7.54	3.92	3.29	.95	8.35	.16	1.33	.13	<.01	6.10	98.7
RX175135	61.1	20.7	6.44	1.83	4.06	.44	3.10	.04	.826	.07	.07	1.55	100.3
RX175136	68.5	15.2	2.37	.60	5.87	2.60	1.96	.04	.285	.10	<.01	2.05	99.9
RX175137	55.2	18.2	9.06	3.09	2.55	.42	5.63	.12	.734	.07	.05	4.60	99.7
RX175138	61.3	18.3	8.57	1.53	2.58	.64	2.64	.06	.740	.07	.06	3.15	99.7
RX175139	58.2	15.8	8.05	3.00	2.90	.38	6.58	.11	1.35	.12	.01	3.50	100.1
RX175140	51.9	13.2	8.45	4.92	2.67	.88	10.1	.34	1.20	.14	<.01	6.55	100.2
RX175201	52.4	14.1	9.48	6.82	2.35	.03	11.2	.18	.752	.08	.04	2.15	99.6
RX175203	49.7	16.5	10.4	2.78	2.41	.22	11.3	.25	1.40	.14	.02	5.55	100.7
RX175204	46.9	16.1	9.54	5.99	2.97	.04	14.0	.31	.962	.07	.04	2.65	99.6
RX175205	52.9	13.0	8.43	7.01	3.02	.03	11.8	.19	.856	.09	.02	2.15	99.5
RX175206	55.4	12.4	9.47	7.47	3.69	.51	7.34	.14	.740	.24	.04	1.55	99.2
RX175207	48.4	14.2	9.86	7.32	1.64	.22	14.0	.22	.973	.09	.03	2.85	99.9
RX175208	48.4	14.7	6.72	5.92	3.31	.16	10.8	.17	.993	.09	.03	8.25	99.6
RX175209	74.3	13.3	1.72	.86	1.57	3.09	1.94	.04	.079	.05	<.01	2.95	100.0
RX175210	46.2	18.6	6.06	9.34	1.00	.09	11.1	.14	.751	.06	.04	6.35	99.8
RX175211	51.4	13.0	8.35	4.87	2.60	.88	9.96	.34	1.20	.14	<.01	6.35	99.2
RX175212	47.0	14.5	12.0	6.85	1.67	<.01	8.96	.16	.576	.06	.07	7.85	99.7
RX175213	43.3	17.1	2.54	1.65	7.64	.50	3.43	.06	1.50	.07	.01	1.40	99.3
RX175214	49.0	13.6	13.0	5.76	.35	.09	8.47	.13	.609	.35	.02	9.00	100.5
RX175215	64.5	16.7	6.88	1.47	3.04	.85	2.41	.05	.821	.06	.04	2.80	99.7
RX175216	65.0	18.2	5.84	.69	3.25	1.21	2.05	.05	1.54	.13	.01	2.60	100.6
RX175217	55.9	23.1	8.34	.89	3.66	1.61	1.08	.04	.814	.08	.01	4.50	100.1
RX175218	50.6	21.1	8.70	3.23	3.46	.41	7.31	.14	1.54	.10	.02	2.50	99.7
RX175219	58.6	15.9	9.87	2.78	2.58	.10	6.64	.14	.892	.07	.04	2.20	99.8
RX175220	52.5	17.3	9.40	3.61	2.78	.10	7.73	.15	1.00	.07	.04	4.20	98.9
D RX174601	69.1	10.8	5.83	.83	4.14	.74	3.05	.09	.510	.14	.01	4.95	100.5
D RX174614	66.7	14.0	.69	3.01	.18	2.86	7.41	.09	.617	.13	<.01	3.90	99.7
D RX174807	63.5	17.9	7.42	1.68	2.39	.42	3.26	.06	.720	.07	.06	2.10	99.8
D RX175120	49.2	8.73	11.2	5.91	3.10	.85	4.63	.12	.256	.09	<.01	16.1	100.3
D RX175134	51.4	15.7	7.56	3.91	3.27	.94	8.39	.16	1.34	.13	<.01	6.20	99.1
D RX175208	48.3	14.7	6.74	5.92	3.32	.17	10.8	.17	.991	.09	.03	8.35	99.6

D - QUALITY CONTROL DUPLICATE

XRF W.R.A. SUMS INCLUDE ALL ELEMENTS DETERMINED. FOR SUMMATION, ELEMENTS ARE CALCULATED AS OXIDES

X-RAY ASSAY LABORATORIES 1885 Leslie Street Don Mills Ontario M3B 3J4 (416)445-5755 Fax (416)445-4152 Tlx 06-986947
Member of the SGS Group (Société Générale de Surveillance)

SAMPLE \ PPM	RB	SR	Y	ZR	NB	BA
RX174601	31	98	<10	100	20	454
RX174602	<10	257	20	94	16	75
RX174603	<10	244	22	103	21	173
RX174604	61	100	28	71	<10	475
RX174605	<10	277	12	72	<10	57
RX174606	<10	134	20	86	19	84
RX174607	<10	127	14	80	17	63
RX174608	38	214	<10	131	26	655
RX174609	20	118	19	104	30	291
RX174610	30	163	13	48	20	172
RX174611	26	291	<10	91	18	172
RX174612	10	139	26	103	14	150
RX174613	58	313	<10	164	19	469
RX174614	91	26	14	119	<10	490
RX174615	39	153	16	116	14	376
RX174616	13	278	22	66	<10	174
RX174617	<10	183	34	70	12	64
RX174618	29	279	23	83	22	226
RX174619	38	411	19	169	45	366
RX174620	39	194	<10	145	13	464
RX174621	56	379	22	104	11	543
RX174801	53	348	10	144	19	591
RX174802	11	277	20	106	<10	90
RX174803	<10	157	18	79	18	159
RX174804	<10	169	13	62	20	70
RX174805	32	668	13	103	<10	694
RX174806	12	170	<10	47	25	102
RX174807	10	163	22	37	24	94
RX174808	13	219	25	88	13	176
RX174809	56	65	<10	46	13	200
RX174810	<10	79	19	71	19	462
RX174811	25	254	17	116	18	491
RX174812	40	223	<10	123	<10	753
RX174813	52	252	<10	128	21	473
RX174814	44	139	<10	125	19	422
RX174815	<10	68	13	63	18	101
RX174816	13	93	<10	75	19	122
RX174817	70	321	27	183	15	773
RX174818	178	107	<10	125	26	1140
RX174819	26	217	17	95	26	88
RX174820	31	101	20	91	18	268
RX175120	13	241	<10	67	17	676
RX175121	77	333	<10	148	<10	318
RX175122	48	276	<10	168	16	257
RX175123	68	284	<10	140	<10	684

XRAL

XRF - WHOLE ROCK ANALYSIS 22-Oct-93 REPORT 24282 REFERENCE FILE 15919

SAMPLE \ PPM	RB	SR	Y	ZR	NB	BA
RX175124	42	155	<10	113	30	524
RX175125	30	157	25	87	39	1030
RX175126	33	229	<10	111	14	247
RX175127	90	181	<10	117	18	412
RX175128	53	19	12	138	17	855
RX175129	37	287	<10	132	10	534
RX175130	150	577	51	501	17	733
RX175131	78	114	<10	153	22	615
RX175132	30	241	<10	96	12	548
RX175133	23	115	21	100	18	128
RX175134	31	137	15	92	22	531
RX175135	14	186	<10	56	<10	172
RX175136	70	764	<10	96	12	1020
RX175137	16	118	<10	49	16	204
RX175138	<10	155	<10	48	24	126
RX175139	22	211	<10	99	29	133
RX175140	30	101	16	99	34	284
RX175201	<10	193	<10	52	13	72
RX175203	<10	235	17	83	18	88
RX175204	18	184	16	44	17	78
RX175205	10	62	18	55	28	83
RX175206	20	618	<10	93	23	646
RX175207	<10	269	<10	50	12	250
RX175208	<10	86	<10	61	<10	127
RX175209	94	22	<10	93	18	736
RX175210	27	150	13	53	19	74
RX175211	32	113	10	91	13	240
RX175212	<10	125	<10	32	24	<50
RX175213	18	241	13	93	<10	140
RX175214	<10	517	20	118	19	<50
RX175215	<10	160	21	40	<10	163
RX175216	34	241	<10	110	14	227
RX175217	41	409	<10	29	14	277
RX175218	23	219	<10	74	20	272
RX175219	14	160	12	49	28	95
RX175220	<10	173	<10	50	31	<50
D RX174601	25	104	<10	102	23	468
D RX174614	77	25	<10	126	<10	473
D RX174807	16	141	14	54	<10	100
D RX175120	14	243	<10	68	29	663
D RX175134	32	155	23	86	16	515
D RX175208	15	76	<10	57	12	123

D - QUALITY CONTROL DUPLICATE

X-RAY ASSAY LABORATORIES 1086 Leslie Street Don Mills Ontario M3B 3J4 (416)445-5755 Fax (416)445-4152 Tlx 06-986947
Member of the SGS Group (Société Générale de Surveillance)

XRAL

XRF - WHOLE ROCK ANALYSIS 08-Nov-93 REPORT 24814 REFERENCE FILE 16297

SAMPLE \ %	SIO2	AL203	CAO	MGO	NA20	K20	FE203	MNO	TIO2	P205	CR203	LOI	SUM
170890	52.8	16.2	8.69	7.04	2.04	.13	8.06	.23	1.38	.13	.03	3.40	100.2
170891	55.6	14.3	8.68	6.41	3.32	.28	9.08	.17	.825	.11	.02	1.95	100.8
170892	52.8	13.7	11.2	7.09	1.51	.26	10.7	.20	.648	.09	.03	2.20	100.5
170893	52.4	13.6	6.69	6.20	2.31	1.05	11.4	.18	.853	.11	.01	5.70	100.6
170894	52.4	13.8	11.8	4.17	1.31	.03	9.90	.29	.758	.10	.05	5.60	100.3
170895	52.2	16.3	8.69	6.74	2.16	.08	8.63	.25	1.37	.13	.03	3.60	100.2
170896	51.9	16.5	9.39	7.03	2.06	.79	8.30	.20	1.39	.13	.03	2.85	100.7
170897	51.6	14.0	9.84	6.30	2.05	.60	9.53	.22	.810	.11	.04	5.40	100.6
170898	47.3	14.2	5.53	10.2	1.46	<.01	12.8	.17	1.01	.10	.03	7.60	100.4
170899	50.8	15.6	8.32	6.39	2.07	.17	12.0	.24	1.40	.12	.04	3.15	100.3
170900	51.9	13.1	8.42	5.16	2.83	.89	10.1	.35	1.24	.15	<.01	6.25	100.5
174089	79.2	11.0	.61	.22	3.74	3.97	.65	.03	.082	.03	.01	.50	100.2
174090	76.8	12.0	.93	.50	2.87	5.14	.96	.03	.074	.03	.02	.95	100.4
174091	77.5	11.4	1.00	.25	3.58	3.86	1.13	.04	.091	.03	.01	.85	99.9
174092	77.4	11.2	.23	1.03	.44	7.50	1.19	.02	.024	.02	<.01	.80	100.0
174093	78.5	11.3	.22	.57	.33	7.81	.67	.02	.029	.03	<.01	.65	100.3
174094	76.1	12.3	.73	1.09	3.31	2.86	2.41	.05	.200	.06	.01	.90	100.2
174095	73.9	12.4	.64	.83	4.27	3.61	2.55	.05	.194	.05	.01	.35	99.0
174096	78.0	11.6	.31	.21	2.66	6.10	.75	.03	.029	.03	.01	.20	100.0
174097	78.6	11.3	.42	.25	1.58	6.52	.68	.03	.018	.03	<.01	.75	100.0
174098	61.6	14.6	7.25	2.11	3.85	.59	7.32	.22	1.66	.25	<.01	1.10	100.6
174099	57.6	13.8	9.22	3.18	1.94	.61	11.4	.24	1.48	.23	<.01	.75	100.6
174100	72.0	11.3	.23	.50	.96	8.14	4.81	.30	.050	.03	<.01	.80	99.2
174622	52.2	14.5	9.58	6.31	2.43	.15	9.60	.24	.785	.11	.04	4.20	100.2
174623	54.9	14.1	9.30	5.93	2.84	.40	9.00	.21	.762	.10	.05	2.45	100.1
174624	49.7	14.0	10.6	7.44	2.70	.16	14.0	.21	.971	.09	.03	.45	100.4
174625	49.3	15.3	10.8	7.12	2.05	.23	13.7	.26	.999	.10	.05	.35	100.3
174626	62.4	13.4	2.80	1.57	4.98	3.64	10.2	.60	.264	.09	<.01	.30	100.4
174627	72.3	14.2	1.96	.84	5.52	2.14	1.95	.05	.286	.10	.01	.55	100.0
174628	49.4	16.8	12.3	6.78	2.32	.42	12.4	.29	1.08	.10	.05	.30	100.3
174629	61.7	14.8	6.20	1.68	.40	4.34	2.02	.10	.363	.11	<.01	8.15	100.0
174630	51.7	13.1	8.46	5.12	2.76	.89	10.1	.34	1.22	.15	<.01	6.35	100.2
174821	58.0	15.1	10.3	4.30	3.46	.20	6.46	.13	.803	.10	.06	1.30	100.3
174822	72.5	13.9	4.11	.68	4.19	1.21	1.59	.07	.496	.14	.01	1.10	100.
174823	55.8	15.9	8.01	2.92	3.99	.24	7.27	.25	1.28	.15	.03	4.45	100.
174824	58.8	18.7	5.13	.75	3.37	2.17	2.39	.04	.737	.21	<.01	7.65	100.
174825	51.2	16.0	8.90	2.74	4.09	.46	9.23	.24	.893	.10	.01	6.05	100.
174826	52.9	14.9	11.3	3.38	2.93	.42	7.27	.25	.820	.07	.03	5.65	100.
174827	51.1	13.9	8.75	5.83	2.18	.70	9.54	.23	.802	.11	.04	6.85	100.1
174828	47.7	16.0	10.5	3.51	3.03	.53	9.97	.28	1.03	.10	.02	7.10	99.8
174829	47.1	14.1	8.46	8.26	2.46	.32	13.2	.20	.975	.09	.03	4.45	99.7
174830	46.3	15.0	11.7	6.82	.37	.23	13.5	.28	.660	.08	.07	4.90	100.0
174831	54.5	14.9	9.25	7.11	2.13	.27	7.90	.17	.826	.11	.05	2.90	100.2
174832	56.7	17.1	9.29	4.42	4.04	.47	5.63	.12	.960	.08	.05	1.55	100.5
174833	49.0	14.3	11.8	7.15	1.22	.05	14.6	.23	1.02	.10	.04	.50	100.0

XRF W.R.A. SUMS INCLUDE ALL ELEMENTS DETERMINED. FOR SUMMATION, ELEMENTS ARE CALCULATED AS OXIDES

X-RAY ASSAY LABORATORIES 1885 Leslie Street Don Mills Ontario M3B 3J4 (416)445-5756 Fax (416)445-4152 Tlx 06-986947
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XRAL

XRF - WHOLE ROCK ANALYSIS 08-Nov-93 REPORT 24814 REFERENCE FILE 16297

SAMPLE \ %	SIO2	AL203	CAO	MGO	NA2O	K2O	FE203	MNO	TIO2	P2O5	CR2O3	LOI	SUM
174834	50.3	12.2	9.65	6.62	1.69	.17	17.3	.25	1.41	.12	<.01	.75	100.5
174835	69.0	13.2	2.44	1.33	4.80	1.79	6.27	.39	.250	.10	<.01	.50	100.2
174836	68.1	13.0	2.88	1.43	4.39	2.09	6.62	.31	.251	.09	<.01	1.05	100.4
174837	65.8	12.8	2.95	1.58	4.53	1.31	9.81	.58	.258	.09	<.01	.80	100.8
174838	49.5	14.0	9.86	5.52	3.12	1.01	7.65	.24	.744	.10	.02	7.05	99.1
174839	70.7	13.6	3.75	.57	3.72	2.04	1.99	.10	.250	.10	.03	1.65	98.7
174840	51.8	13.1	8.62	5.29	2.80	.88	10.0	.35	1.24	.15	<.01	6.20	100.5
174841	73.5	13.4	2.66	.68	5.52	1.04	1.32	.05	.286	.10	.02	1.55	100.3
174842	72.8	14.4	2.87	.60	5.11	1.47	1.52	.04	.277	.10	.02	.65	100.0
174843	52.2	22.8	4.48	.73	3.52	7.98	2.69	.06	.190	.58	<.01	4.80	100.5
174844	67.3	17.3	3.28	.92	2.73	3.39	2.30	.05	.460	.14	<.01	2.10	100.2
174845	67.3	16.3	1.66	3.06	7.21	1.05	1.00	.03	.400	.12	<.01	2.15	100.4
174846	51.7	13.1	8.47	5.08	2.70	.86	10.0	.35	1.23	.15	<.01	6.25	99.9
174847	50.6	11.4	10.8	8.87	2.97	2.47	9.90	.18	.852	.79	.08	.90	100.2
174848	49.2	19.0	10.9	4.37	.68	2.50	10.6	.31	.968	.12	.06	1.45	100.3
174849	49.2	13.4	9.32	4.11	3.74	.03	10.8	.23	.716	.09	.06	8.25	100.0
175141	58.7	17.2	6.62	3.90	3.28	.61	5.83	.12	.714	.07	.05	3.30	100.4
175142	55.0	13.3	9.45	3.94	4.39	.10	5.64	.12	.580	.42	.02	6.95	100.0
175143	63.1	16.2	5.87	1.90	3.61	.82	4.00	.07	1.42	.13	<.01	3.00	100.2
175144	60.0	15.7	4.31	3.35	4.46	.51	6.37	.09	1.36	.11	<.01	4.15	100.5
175145	57.5	17.5	8.06	2.80	3.35	.82	4.29	.10	.742	.07	.05	5.00	100.4
175146	46.8	15.9	13.3	3.81	1.55	.11	8.98	.22	.652	.07	.04	9.00	100.5
175147	60.8	18.8	9.22	.89	2.71	.61	2.81	.07	1.07	.10	.04	3.25	100.4
175148	71.1	11.7	4.07	.77	3.41	1.16	3.47	.11	.434	.13	<.01	3.80	100.2
175149	70.8	13.0	4.10	.79	2.98	2.20	1.80	.06	.391	.12	<.01	4.00	100.3
175150	50.7	15.7	11.1	7.84	1.92	.09	9.35	.24	.835	.10	.04	2.15	100.1
175151	55.3	19.4	9.16	2.98	3.56	.23	5.78	.10	1.12	.10	.02	2.80	100.6
175152	52.9	17.5	10.2	4.99	3.29	.23	6.44	.21	1.06	.09	.04	3.05	100.0
175153	76.9	10.3	2.76	.57	3.20	1.60	1.78	.04	.271	.10	<.01	2.70	100.3
175154	74.0	10.2	3.51	1.09	4.36	.58	2.67	.08	.485	.04	.01	2.80	99.9
175155	75.8	13.0	1.00	.42	5.10	2.91	.84	.03	.250	.09	<.01	.60	100.2
175156	61.5	13.2	6.88	2.82	3.39	.44	8.56	.21	1.75	.25	<.01	1.45	100.5
175157	58.4	16.4	8.19	3.31	2.55	.57	7.02	.13	.961	.27	<.01	2.55	100.4
175158	53.8	14.2	10.2	6.92	1.90	.17	8.45	.27	.760	.10	.06	3.10	100.0
175159	55.3	15.5	8.91	6.55	3.32	.23	7.26	.17	.871	.11	.05	1.60	99.9
175160	50.3	11.7	8.61	8.36	.97	.64	15.4	.49	.599	.07	.07	3.35	100.6
175161	64.0	14.5	5.25	1.84	7.82	.18	1.79	.06	.368	.26	.01	4.15	100.4
175162	75.0	10.9	.97	.63	.57	7.39	2.92	.06	.219	.04	.02	1.20	100.1
175221	60.3	19.1	6.58	1.56	5.66	.99	2.59	.07	1.60	.15	.01	1.80	100.5
175222	54.4	20.0	9.13	2.45	3.48	.48	5.09	.10	1.04	.09	.01	3.20	99.5
175223	57.5	15.5	8.53	5.36	3.86	.18	5.78	.18	.844	.11	.05	2.20	100.1
175224	54.2	19.5	10.4	2.36	2.80	.24	6.36	.15	1.00	.08	.02	2.90	100.0
175225	49.7	13.6	7.38	8.96	2.32	.09	10.9	.23	1.21	.29	.08	4.00	98.8
175226	46.1	15.3	10.9	3.36	2.48	1.14	9.21	.28	.700	.16	.08	10.0	99.8
175227	68.5	14.7	4.66	1.19	2.11	3.59	3.14	.15	.581	.17	.07	.80	99.8

XRF W.R.A. SUMS INCLUDE ALL ELEMENTS DETERMINED. FOR SUMMATION, ELEMENTS ARE CALCULATED AS OXIDES

X-RAY ASSAY LABORATORIES 1885 Leslie Street Don Mills Ontario M3B 3J4 (416)445-5755 Fax (416)445-4152 Tlx 06-986947
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XRAL

SAMPLE \ %	SIO2	AL203	CAO	MGO	NA2O	K2O	FE203	MNO	TIO2	P2O5	CR203	LOI	SUM
175228	61.4	16.1	5.30	1.49	.51	8.81	4.15	.20	.668	.16	.07	1.10	100.2
175229	56.2	22.4	1.75	.50	3.32	9.45	2.74	.07	.377	.10	<.01	2.30	99.7
175230	62.7	15.5	3.61	1.96	7.04	2.17	4.83	.20	.536	.14	<.01	.65	99.5
175231	44.9	16.3	12.9	5.87	4.51	4.91	6.65	.10	.530	1.75	<.01	1.60	100.2
175232	70.8	14.1	4.07	1.32	3.87	1.55	2.68	.08	.485	.16	.02	.95	100.2
175233	70.2	15.4	3.54	.87	3.35	3.40	2.07	.04	.330	.09	<.01	1.00	100.4
175234	62.4	12.3	7.11	1.69	.29	6.36	7.19	.28	.577	.16	.03	1.00	99.6
175235	52.1	15.5	10.3	3.51	2.70	.44	11.3	.21	1.10	.09	.02	2.65	100.0
175236	47.0	15.6	11.7	5.30	2.28	.15	12.3	.20	.932	.09	.03	4.30	99.9
175237	50.9	15.7	11.5	6.78	2.02	.26	9.32	.27	.818	.10	.05	.85	98.6
175238	51.3	15.4	6.98	3.72	1.63	.81	14.6	.27	.975	.09	.02	4.20	100.1
175239	51.0	14.1	7.46	7.67	2.81	1.96	12.8	.29	.820	.10	.05	1.25	100.5
175240	73.5	10.9	1.13	.77	.64	7.49	3.03	.06	.226	.04	.02	1.15	99.1
175241	51.9	15.6	10.1	4.42	3.04	.50	12.7	.24	.990	.09	.04	.50	100.2
175242	55.9	15.4	9.89	6.38	2.24	.53	7.60	.18	.824	.11	.03	.85	100.0
175243	50.6	15.4	10.7	4.87	1.90	.21	13.6	.29	1.04	.09	.02	.90	99.7
175244	68.6	15.7	2.79	1.19	5.97	1.90	2.53	.05	.519	.16	.01	.80	100.4
175245	49.2	14.8	12.1	6.80	1.82	.18	13.1	.22	1.00	.09	.05	.60	100.0
175246	50.2	14.5	7.39	8.72	3.06	.31	13.7	.21	.975	.09	.03	1.05	100.3
175247	73.1	12.4	2.69	.71	3.09	3.44	3.46	.13	.247	.08	<.01	.85	100.4
175248	57.6	15.7	10.3	2.09	4.19	.19	6.73	.29	1.56	.11	.03	.85	99.7
175249	50.2	17.2	7.68	4.11	2.25	7.48	6.74	.14	.695	.72	.02	1.40	99.1
175250	70.0	16.1	2.76	.87	3.76	2.21	2.33	.10	.588	.16	.03	1.25	100.3
175251	44.5	16.2	15.6	7.44	2.51	3.68	7.44	.10	.589	2.26	<.01	1.85	100.3
175252	63.0	19.2	1.15	.22	3.05	11.2	1.35	.03	.043	.22	.02	.35	100.3
175253	75.8	12.7	1.64	.37	3.52	3.42	1.84	.10	.251	.11	<.01	.65	100.6
175254	76.4	12.3	3.20	.56	2.98	1.27	2.00	.07	.303	.09	.01	.95	100.2
175255	66.0	14.6	5.67	.71	2.54	1.36	5.67	.21	.396	.11	<.01	2.80	100.2
175256	66.5	13.7	6.43	.72	3.06	1.02	5.03	.21	.359	.11	.01	2.75	100.0
175257	53.0	14.3	11.9	6.32	1.86	.39	10.5	.25	.971	.10	.03	.85	100.5
175258	49.6	15.1	12.7	5.82	2.12	.25	10.6	.28	.978	.11	.03	2.65	100.3
175259	45.5	17.1	8.29	9.46	2.11	.54	11.2	.17	.775	.08	.04	3.80	99.1
175260	51.9	13.2	8.33	4.93	2.61	.91	10.0	.34	1.23	.15	<.01	6.15	99.8
175261	51.5	16.7	7.32	4.66	3.21	.59	8.92	.21	.873	.09	.05	5.85	100.1
175262	51.5	14.6	12.3	5.57	2.26	.32	7.49	.21	.919	.10	.03	4.55	99.9
175263	38.2	4.26	2.54	29.2	.22	.02	14.4	.22	.250	.03	.45	9.85	99.7
175264	49.4	14.6	15.4	4.58	1.14	.08	12.5	.26	.914	.10	.04	1.45	100.5
175265	51.0	13.1	11.5	7.39	2.19	.22	11.6	.24	.869	.10	.03	1.00	99.3
175266	51.5	13.6	11.4	8.10	3.11	.08	9.50	.14	.803	.07	.05	1.75	100.2
175267	74.9	10.8	.95	.66	.63	7.69	2.93	.06	.234	.04	.02	1.10	100.2
175301	39.3	15.5	.84	9.67	.19	<.01	24.7	.46	.676	.08	.04	7.70	99.2
175302	38.4	17.4	1.33	9.83	.41	.02	24.4	.63	.756	.07	.05	6.90	100.2
175303	46.2	18.3	1.80	7.50	.29	1.91	16.7	.46	.735	.07	.05	6.35	100.5
175304	45.5	17.3	3.38	7.20	1.60	.71	16.1	.47	.702	.06	.04	6.75	99.9
175305	33.8	24.4	1.35	9.26	.52	3.43	17.3	.31	1.17	.07	.07	6.95	99.2

XRF W.R.A. SUMS INCLUDE ALL ELEMENTS DETERMINED. FOR SUMMATION, ELEMENTS ARE CALCULATED AS OXIDES

XRAL

XRF - WHOLE ROCK ANALYSIS 08-Nov-93 REPORT 24814 REFERENCE FILE 16297

SAMPLE \ %	SIO2	AL203	CAO	MGO	NA20	K20	FE203	MNO	TIO2	P205	CR203	LOI	SUM
175306	40.2	14.9	8.20	8.28	.76	.06	16.6	.49	.592	.06	.05	9.55	99.8
175307	50.3	18.9	4.91	3.98	1.36	2.02	11.2	.31	.713	.06	.05	6.65	100.5
175308	47.1	17.9	3.17	7.89	1.90	.07	14.9	.37	.718	.05	.05	5.45	99.6
175309	40.5	16.6	1.18	8.78	.44	.05	24.5	.61	.725	.05	.04	6.75	100.5
175310	46.0	20.0	.87	7.81	.31	2.92	15.1	.42	.812	.06	.05	6.05	100.5
175311	44.3	16.1	2.66	9.08	1.25	.03	17.5	.47	.674	.06	.04	6.60	98.8
175312	42.4	15.6	7.85	8.89	.24	.09	16.9	.49	.622	.06	.04	7.00	100.2
175313	46.9	17.2	9.54	7.96	1.52	.44	11.1	.29	.662	.06	.04	4.25	100.0
175314	48.0	9.86	6.84	15.1	1.91	.10	11.3	.18	.489	.06	.18	5.40	99.4
175315	52.2	13.3	8.38	4.96	2.59	.89	10.1	.34	1.24	.15	<.01	6.25	100.5
175887	68.1	16.5	3.24	.93	4.54	1.66	2.55	.08	.462	.13	<.01	1.80	100.1
175888	72.3	14.8	2.24	.43	5.65	1.72	1.48	.03	.339	.12	.01	1.15	100.4
175889	65.9	17.8	2.80	.92	4.00	3.04	2.51	.05	.468	.13	.01	2.50	100.3
175890	50.4	13.8	5.72	7.34	2.35	.05	11.5	.18	.735	.09	.02	8.25	100.5
175891	66.4	14.8	5.04	.49	4.31	1.82	2.94	.09	.327	.11	<.01	3.45	99.9
175892	51.7	12.3	7.14	1.77	1.35	1.01	15.3	.60	.277	.09	<.01	8.05	99.6
175893	70.5	12.9	2.57	1.56	2.01	2.57	4.36	.07	.359	.12	<.01	3.30	100.5
175894	62.4	14.8	4.41	2.98	2.26	1.18	6.04	.08	.349	.10	<.01	5.60	100.3
175895	64.8	16.2	4.01	1.28	2.73	2.54	2.74	.08	.335	.10	<.01	4.95	99.9
175896	70.8	14.1	4.10	.94	4.91	1.09	1.59	.09	.379	.12	<.01	2.20	100.4
175897	49.9	14.5	9.11	6.37	2.09	.21	11.9	.16	.869	.10	.02	3.85	99.1
175898	52.1	13.2	8.38	4.96	2.67	.89	10.1	.34	1.23	.15	<.01	6.30	100.4
175899	79.9	9.79	3.02	.32	2.83	1.04	1.46	.11	.227	.08	.02	1.30	100.2
175900	71.4	15.6	1.94	.43	5.52	2.10	1.22	.04	.175	.06	<.01	1.80	100.6
175901	52.8	15.5	10.4	5.79	1.77	.51	9.82	.17	.637	.08	.03	2.75	100.3
175902	55.3	14.3	2.16	5.36	2.87	.62	13.5	.19	1.12	.13	<.01	3.40	99.0
175903	52.7	14.4	9.03	7.16	2.59	.10	10.3	.23	.704	.09	.04	2.05	99.4
175904	51.4	15.3	10.3	5.99	1.62	.05	7.64	.19	.767	.09	.01	6.80	100.2
175905	55.6	15.1	6.49	6.71	2.59	.12	7.63	.15	.852	.10	.05	4.00	99.4
175906	56.5	14.2	6.64	5.81	1.66	.78	10.1	.24	.782	.09	.05	3.75	100.7
175907	53.5	15.1	10.4	6.61	1.72	<.01	9.11	.20	.750	.09	.05	2.60	100.2
175908	51.8	13.1	8.51	4.98	2.71	.88	10.1	.35	1.25	.15	<.01	6.20	100.1
175909	72.2	14.9	2.16	.67	5.26	2.65	1.57	.04	.145	.07	.01	.30	100.3
172879	74.8	10.9	.95	.66	.62	7.59	2.87	.06	.231	.04	.02	1.40	100.3
172880	76.4	11.5	3.63	.49	2.51	1.10	2.91	.04	.224	.09	.01	1.25	100.2
172881	78.3	11.9	.91	1.04	2.26	2.86	1.28	.03	.101	.03	.01	1.15	100.0
172882	71.3	12.9	3.76	2.11	1.20	3.10	4.84	.12	.252	.07	.01	.55	100.3
D 170890	53.1	16.2	3.61	7.07	2.02	.15	8.04	.23	1.37	.13	.03	3.25	100.2
D 174091	78.0	11.4	1.01	.23	3.53	3.83	1.15	.05	.091	.03	.01	.70	100.2
D 174626	62.3	13.3	2.81	1.59	4.93	3.61	10.4	.62	.254	.09	<.01	.25	100.3
D 174830	46.2	15.1	11.7	6.76	.35	.24	13.6	.29	.670	.08	.08	4.95	100.1
D 174844	67.4	17.3	3.25	.90	2.71	3.40	2.30	.05	.458	.13	<.01	2.05	100.2
D 175148	71.3	11.7	4.09	.78	3.38	1.19	3.47	.11	.434	.13	<.01	3.70	100.4
D 175162	75.0	10.9	.94	.65	.60	7.38	2.92	.06	.223	.04	.02	1.10	100.0
D 175234	62.7	12.3	7.12	1.68	.31	6.34	7.20	.28	.590	.17	.04	1.05	100.0

D - QUALITY CONTROL DUPLICATE

XRF W.R.A. SUMS INCLUDE ALL ELEMENTS DETERMINED. FOR SUMMATION, ELEMENTS ARE CALCULATED AS OXIDES

X-RAY ASSAY LABORATORIES 1885 Leslie Street Don Mills Ontario M3B 3J4 (416)445-5755 Fax (416)445-4152 Tlx 06-986947
Member of the SGS Group (Société Générale de Surveillance)

XRAL

XRF - WHOLE ROCK ANALYSIS 08-Nov-93 REPORT 24814 REFERENCE FILE 16297

SAMPLE \ %	SIO2	AL203	CAO	MGO	MA2O	K2O	FE2O3	MNO	TIO2	P2O5	CR2O3	LOI	SUM
D 175248	57.7	15.8	10.4	2.11	4.18	.19	6.74	.30	1.57	.11	.04	.90	100.1
D 175261	51.7	16.6	7.32	4.68	3.20	.58	8.97	.22	.884	.09	.05	5.75	100.1
D 175308	47.2	17.9	3.22	7.95	1.91	.07	15.2	.38	.726	.06	.05	5.40	100.1
D 175893	70.4	12.8	2.58	1.57	2.02	2.54	4.32	.07	.342	.12	<.01	3.30	100.2
D 175907	53.6	15.1	10.4	6.64	1.70	<.01	9.14	.20	.746	.09	.05	2.55	100.2

D - QUALITY CONTROL DUPLICATE

XRF W.R.A. SUMS INCLUDE ALL ELEMENTS DETERMINED. FOR SUMMATION, ELEMENTS ARE CALCULATED AS OXIDES

X-RAY ASSAY LABORATORIES 1885 Leslie Street Don Mills Ontario M3B 3J4 (416)445-5756 Fax (416)445-4152 Tlx 06-986947
Member of the SGS Group (Société Générale de Surveillance)

XRAL

SAMPLE \ PPM	RB	SR	Y	ZR	NB	BA
170890	18	124	12	83	22	139
170891	<10	150	21	96	16	181
170892	<10	123	24	75	33	82
170893	33	61	24	84	14	214
170894	<10	441	21	81	<10	125
170895	<10	104	16	92	20	113
170896	19	158	13	71	38	768
170897	10	143	13	91	24	192
170898	11	52	<10	60	22	97
170899	<10	101	13	85	31	116
170900	11	92	42	110	11	285
174089	108	49	17	96	12	969
174090	113	46	13	115	37	758
174091	116	66	14	97	21	789
174092	212	<10	10	102	11	718
174093	215	<10	16	81	14	821
174094	81	41	<10	180	11	1010
174095	74	45	13	180	21	989
174096	309	<10	<10	78	23	153
174097	249	28	18	82	18	169
174098	20	146	16	178	22	410
174099	<10	439	29	167	18	400
174100	305	17	<10	97	17	553
174622	<10	226	22	85	28	80
174623	17	172	14	88	<10	137
174624	<10	62	19	43	17	61
174625	<10	113	24	52	11	111
174626	58	434	<10	149	23	567
174627	60	381	<10	157	<10	542
174628	<10	109	17	44	<10	159
174629	93	99	<10	96	<10	601
174630	13	100	19	101	<10	271
174821	<10	119	17	87	15	94
174822	28	447	<10	136	15	411
174823	<10	309	20	78	13	113
174824	50	611	<10	134	28	540
174825	<10	267	<10	38	29	282
174826	15	83	19	32	15	150
174827	<10	121	34	91	<10	227
174828	17	281	12	47	23	341
174829	<10	205	22	43	12	130
174830	<10	267	13	37	13	177
174831	<10	202	15	102	22	123
174832	18	198	<10	40	<10	235
174833	<10	101	<10	36	12	56

SAMPLE \ PPM	RB	SR	Y	ZR	NB	BA
174834	<10	92	23	68	15	104
174835	53	217	<10	155	11	804
174836	62	300	<10	157	24	692
174837	35	437	<10	158	<10	497
174838	36	823	<10	56	22	1230
174839	61	654	<10	150	49	653
174840	<10	99	33	96	<10	256
174841	33	426	<10	163	24	497
174842	50	237	<10	169	15	491
174843	278	1090	21	156	13	2430
174844	84	435	<10	106	15	1490
174845	35	188	<10	130	13	292
174846	24	110	27	102	14	262
174847	100	1350	17	157	<10	2040
174848	72	181	10	54	13	500
174849	10	43	<10	57	10	76
175141	20	97	18	42	12	134
175142	<10	241	<10	144	43	68
175143	25	204	16	99	22	141
175144	18	103	18	97	18	117
175145	27	323	10	46	17	580
175146	<10	93	23	39	29	<50
175147	18	184	<10	52	21	90
175148	26	185	<10	119	32	261
175149	80	255	<10	149	17	402
175150	13	91	<10	66	21	<50
175151	<10	243	31	41	10	86
175152	<10	168	14	54	11	81
175153	40	199	<10	92	29	336
175154	11	117	23	87	22	611
175155	68	370	20	122	16	837
175156	19	163	60	239	34	191
175157	14	522	<10	148	22	110
175158	<10	131	<10	77	13	51
175159	<10	171	15	98	19	114
175160	22	74	<10	48	30	176
175161	<10	836	19	119	22	180
175162	104	13	156	320	34	916
175221	21	240	22	106	26	381
175222	37	248	<10	51	32	120
175223	<10	184	24	85	17	108
175224	<10	188	11	43	21	<50
175225	<10	205	27	140	23	65
175226	21	365	19	65	33	186
175227	86	172	15	89	14	585

SAMPLE \ PPM	RB	SR	Y	ZR	NB	BA
175228	111	210	<10	73	16	1760
175229	263	768	<10	147	15	3570
175230	70	313	<10	157	14	588
175231	96	707	15	171	19	208
175232	55	310	20	153	19	360
175233	94	228	<10	156	<10	641
175234	77	212	<10	80	16	1460
175235	<10	147	21	59	<10	121
175236	<10	341	10	49	18	55
175237	<10	320	<10	45	<10	266
17523[illegible]	35	97	21	35	19	297
17523[illegible]	88	278	<10	84	11	824
175240	107	23	138	301	26	846
175241	<10	79	12	57	<10	104
175242	20	150	40	85	14	174
175243	16	101	<10	42	25	51
175244	57	468	11	169	16	515
175245	<10	130	<10	36	12	189
175246	<10	42	<10	48	10	157
175247	91	343	<10	138	37	953
175248	<10	449	17	46	<10	182
175249	314	1380	43	230	<10	1700
175250	83	363	17	150	22	514
175251	79	807	<10	130	41	201
175252	228	1310	<10	137	<10	2130
175253	82	291	<10	147	10	866
175254	46	258	<10	110	15	408
175255	51	372	<10	149	19	353
175256	38	337	<10	148	23	349
175257	13	76	16	63	13	117
175258	<10	102	<10	55	16	93
175259	14	106	17	43	14	121
175260	<10	114	21	102	23	285
175261	26	240	23	53	<10	39
175262	<10	141	19	44	10	141
175263	<10	15	<10	10	20	119
175264	<10	245	31	44	<10	<50
175265	16	161	11	46	<10	106
175266	<10	383	21	45	11	105
175267	110	<10	148	308	40	961
175301	<10	<10	<10	23	18	113
175302	<10	19	<10	45	13	127
175303	63	<10	<10	33	17	938
175304	<10	54	18	34	25	363
175305	114	<10	<10	59	14	4560

	SAMPLE \ PPM	RB	SR	Y	ZR	NB	BA
	175306	12	54	<10	20	12	74
	175307	39	106	11	30	34	297
	175308	<10	83	10	38	23	5
	175309	<10	<10	17	32	28	15
	175310	80	<10	<10	43	10	1000
	175311	<10	26	<10	27	31	122
	175312	<10	91	<10	14	31	93
	175313	20	110	11	30	16	377
	175314	<10	35	<10	52	<10	68
	175315	17	96	<10	87	34	287
	175887	32	449	11	157	21	505
	175888	42	380	<10	140	47	617
	175889	87	534	<10	174	20	804
	175890	<10	161	15	46	25	98
	175891	46	361	<10	101	24	855
	175892	<10	70	<10	62	14	346
	175893	65	61	<10	126	21	1070
	175894	24	206	<10	107	14	293
	175895	43	292	<10	116	15	637
	175896	25	318	12	114	21	348
	175897	<10	177	22	61	<10	111
	175898	<10	113	21	91	<10	294
	175899	40	179	<10	91	21	327
	175900	48	848	<10	70	<10	1410
	175901	<10	170	23	47	<10	190
	175902	<10	78	11	117	29	274
	175903	<10	150	17	61	19	109
	175904	<10	139	14	40	18	112
	175905	<10	192	13	89	31	108
	175906	37	226	<10	85	12	446
	175907	14	122	16	55	11	61
	175908	15	120	26	97	33	286
	175909	79	1130	<10	68	25	1250
	172879	111	20	128	310	31	944
	172880	20	159	<10	57	<10	259
	172881	31	79	51	112	<10	849
	172882	43	81	24	65	<10	544
D	170890	12	103	<10	80	<10	166
D	174091	125	71	13	107	<10	815
D	174626	51	445	<10	157	42	627
D	174830	<10	287	16	45	25	201
D	174844	78	431	<10	114	20	1570
D	175148	41	178	<10	123	11	327
D	175162	107	14	145	312	32	951
D	175234	83	234	26	73	18	1560

D - QUALITY CONTROL DUPLICATE

SAMPLE \ PPM	RB	SR	Y	ZR	NB	BA
D 175248	15	452	20	65	<10	186
D 175261	24	239	20	38	22	398
D 175308	<10	69	16	48	10	104
D 175393	76	62	<10	118	<10	1100
D 175907	<10	131	11	66	13	52

D - QUALITY CONTROL DUPLICATE

Appendix 3

Multi-element Analyses - (Humus)

Activation Laboratories Ltd. Work Order: 5529 Report: 5469

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SR PPM	TA PPM	TH PPM	U PPM
RX 200601	<1	<2	2	<100	15	1.6	3	1	<0.5	0.15	<0.5	<0.5	<5	0.5	252	<10	<20	0.2	0.3	<2	<100	<0.5	<0.5	0.2
RX 200602	<1	<2	4	450	5	1.5	16	59	4.4	3.28	3.8	<0.5	<5	<0.5	7070	<30	85	0.3	11	<2	<100	<0.5	7.9	1.2
RX 200603	1	<2	3	250	7	2.2	7	29	2.2	1.43	1.6	<0.5	<5	<0.5	2 .0	<10	33	0.3	5.1	<2	<100	<0.5	4.8	1.0
RX 200604	2	<2	2	220	4	1.4	7	29	1.7	1.35	1.9	<0.5	<5	<0.5	5: 10	<10	41	0.2	4.5	<2	<100	<0.5	3.7	0.7
RX 200605	2	<2	2	300	7	1.3	9	30	1.8	1.54	2.5	<0.5	<5	<0.5	4170	<14	63	0.2	5.4	<2	<100	<0.5	4.7	0.9
RX 200606	2	<2	2	320	4	2.4	9	32	2.3	1.86	2.9	<0.5	<5	<0.5	5540	<10	65	0.2	6.0	<2	<100	<0.5	4.9	1.2
RX 200607	<1	<2	7	170	9	1.9	6	21	0.9	1.56	1.6	<0.5	<5	<0.5	2790	<10	47	0.3	3.1	<2	<100	0.5	2.1	0.4
RX 200608	<1	<2	2	<100	12	2.5	2	8	<0.5	0.49	0.5	<0.5	<5	<0.5	769	<10	<20	0.2	1.5	<2	<100	<0.5	1.6	0.4
RX 200609	<1	<2	1	<100	8	2.7	3	6	0.6	0.31	0.6	<0.5	<5	<0.5	1090	<10	<20	0.1	1.3	<2	<100	<0.5	1.4	0.8
RX 200610	<1	<2	2	<100	7	2.3	3	9	0.6	0.45	0.6	<0.5	<5	<0.5	868	<10	<20	0.3	1.5	<2	<100	<0.5	1.5	0.3
RX 200611	<1	<2	3	200	14	3.3	7	32	2.2	1.53	1.7	<0.5	<5	<0.5	1910	<12	38	0.2	5.1	<2	<100	<0.5	5.4	1.0
RX 200612	<1	<2	1	140	15	2.8	3	14	<0.5	0.65	1.3	<0.5	<5	1.4	2310	<10	22	0.1	2.2	<2	<100	<0.5	2.3	0.4
RX 200613	<1	<2	1	<100	17	4.1	2	9	0.8	0.49	0.6	<0.5	<5	<0.5	849	<10	<20	<0.1	1.6	<2	<100	<0.5	1.6	0.2
RX 200614	<1	<2	<1	<100	14	1.6	<1	2	<0.5	0.11	<0.5	<0.5	<5	0.8	330	<10	<20	<0.1	0.3	<2	<100	<0.5	<0.5	<0.1
RX 200615	<1	<2	<1	<100	15	2.0	<1	2	<0.5	0.09	<0.5	<0.5	<5	0.7	258	<10	<20	<0.1	0.3	<2	<100	<0.5	<0.5	<0.1
RX 200616	<1	<2	2	<100	14	2.3	2	3	<0.5	0.20	<0.5	<0.5	<5	<0.5	389	<10	<20	0.2	0.6	<2	<100	<0.5	0.6	0.1
RX 200617	<1	<2	2	<100	12	0.6	<1	2	<0.5	0.08	<0.5	<0.5	<5	<0.5	259	<10	<20	0.2	0.3	<2	<100	<0.5	<0.5	0.1
RX 200618	<1	<2	3	180	29	2.5	8	26	2.4	1.10	1.7	<0.5	<5	<0.5	2650	<12	43	<0.1	4.6	<2	<100	<0.5	4.2	1.3
RX 200619	<1	<2	3	<100	45	3.9	2	3	<0.5	0.74	<0.5	<0.5	<5	0.8	425	<10	<20	0.2	0.7	<2	140	<0.5	1.0	0.9
RX 200620	<1	<2	2	<100	18	2.4	2	2	<0.5	0.25	<0.5	<0.5	<5	0.6	226	<10	<20	0.2	0.3	<2	<100	<0.5	<0.5	0.4
RX 200621	<1	<2	2	<100	27	3.2	1	2	<0.5	0.30	<0.5	<0.5	<5	0.6	280	<10	<20	0.1	0.3	<2	<100	<0.5	<0.5	0.2
RX 200622	<1	<2	1	<100	18	5.0	1	2	<0.5	0.11	<0.5	<0.5	<5	<0.5	335	<10	<20	0.2	0.4	<2	<100	<0.5	<0.5	0.5
RX 200623	2	<2	2	210	17	6.2	5	25	1.1	1.05	1.4	<0.5	<5	<0.5	3000	<10	33	0.2	3.7	<2	<100	<0.5	3.8	0.9
RX 200624	<1	<2	1	<100	18	5.8	1	3	<0.5	0.14	<0.5	<0.5	<5	1.1	370	<10	<20	0.1	0.5	<2	<100	<0.5	<0.5	1.6
RX 200625	<1	<2	<1	<100	15	6.0	1	3	<0.5	0.12	<0.5	<0.5	<5	<0.5	475	<10	<20	<0.1	0.4	<2	<100	<0.5	<0.5	1.9
RX 200626	1	<2	2	180	20	7.7	4	17	<0.5	0.59	1.1	<0.5	<5	<0.5	2590	<10	<20	0.1	1.9	<2	<100	<0.5	1.7	4.5
RX 200627	<1	<2	1	140	20	7.5	2	5	<0.5	0.21	0.6	<0.5	<5	<0.5	1070	<10	<20	0.2	0.7	<2	<100	<0.5	0.8	4.8
RX 200628	<1	<2	2	<100	25	3.7	2	4	<0.5	0.52	<0.5	<0.5	<5	<0.5	681	<10	<20	0.2	0.6	<2	<100	<0.5	0.7	3.1
RX 200629	<1	<2	2	150	90	5.0	2	4	<0.5	0.52	<0.5	<0.5	<5	<0.5	655	<10	<20	0.3	1.6	<2	190	<0.5	2.7	17
RX200630	3	<2	3	130	150	5.8	2	5	<0.5	0.44	0.7	<0.5	<5	<0.5	2100	<12	<20	<0.1	1.4	<2	<100	<0.5	1.8	11
RX200631	<1	<2	6	210	45	3.0	8	31	2.2	1.51	1.6	<0.5	<5	<0.5	7910	<14	40	0.3	5.1	<2	<100	<0.5	5.1	2.6
RX200632	<1	<2	3	<100	23	3.2	2	6	<0.5	0.32	0.5	<0.5	<5	0.5	2680	<10	<20	0.2	1.0	<2	<100	<0.5	1.2	0.9
RX200633	<1	<2	3	100	24	2.4	3	13	0.7	0.60	1.1	<0.5	<5	<0.5	6100	<10	21	0.1	1.9	<2	<100	<0.5	2.0	0.4
RX200634	<1	<2	1	<100	18	0.6	<1	2	<0.5	0.09	<0.5	<0.5	<5	<0.5	944	<10	<20	<0.1	0.4	<2	<100	<0.5	<0.5	<0.1
RX200635	<1	<2	2	<100	16	0.6	1	1	<0.5	0.09	<0.5	<0.5	<5	0.7	797	<10	<20	0.1	0.3	<2	<100	<0.5	<0.5	<0.1
RX200636	<1	<2	1	<100	16	0.7	<1	2	<0.5	0.09	<0.5	<0.5	<5	0.6	827	<10	<20	<0.1	0.3	<2	<100	<0.5	<0.5	<0.1
RX200637	<1	<2	2	<100	27	2.8	<1	2	<0.5	0.10	<0.5	<0.5	<5	0.6	829	<10	<20	<0.1	0.4	<2	<100	<0.5	<0.5	0.2
RX200638	1	<2	6	<100	40	2.7	2	2	<0.5	0.24	<0.5	<0.5	<5	1.3	813	<10	<20	0.2	0.3	<2	<100	<0.5	<0.5	0.6
RX200639	3	<2	7	270	21	3.5	9	36	2.7	2.00	2.3	<0.5	<5	<0.5	9960	<15	36	0.3	6.7	<2	<100	<0.5	8.6	16
RX200640	<1	<2	9	<100	49	2.7	2	4	<0.5	0.49	<0.5	<0.5	<5	1.7	1130	<10	<20	0.3	0.6	<2	<100	<0.5	0.6	0.8
RX200641	1	<2	10	<100	63	4.7	3	2	<0.5	0.75	<0.5	<0.5	<5	0.6	311	<10	<20	0.1	0.3	<2	<100	<0.5	<0.5	0.8
RX200642	<1	<2	4	<100	27	1.2	<1	2	<0.5	0.12	<0.5	<0.5	<5	<0.5	701	<10	<20	0.1	0.2	<2	<100	<0.5	<0.5	0.2
RX200643	<1	<2	4	<100	20	0.6	<1	2	<0.5	0.12	<0.5	<0.5	<5	0.8	817	<10	<20	0.2	0.3	<2	<100	<0.5	<0.5	0.2
RX200644	<1	<2	3	<100	27	1.5	<1	1	<0.5	0.06	<0.5	<0.5	<5	1.9	548	<10	<20	0.2	0.2	<2	<100	<0.5	<0.5	0.1
RX200645	<1	<2	3	<100	24	2.0	1	1	<0.5	0.09	<0.5	<0.5	<5	1.3	694	<10	<20	0.2	0.2	<2	<100	<0.5	<0.5	0.1

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Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SR PPM	TA PPM	TH PPM	U PPM
RX200646	<1	<2	4	<100	25	1.0	<1	2	<0.5	0.08	<0.5	<0.5	<5	1.0	771	<10	<20	0.2	0.2	<2	<100	<0.5	<0.5	<0.1
RX200647	<1	<2	2	<100	27	1.1	<1	1	<0.5	0.07	<0.5	<0.5	<5	<0.5	634	<10	<20	<0.1	0.2	<2	<100	<0.5	<0.5	<0.1
RX200648	<1	<2	4	<100	16	2.9	<1	2	<0.5	0.10	<0.5	<0.5	<5	<0.5	786	<10	<20	0.3	0.3	<2	<100	<0.5	<0.5	0.2
RX200649	<1	<2	2	<100	26	7.5	2	9	<0.5	0.25	<0.5	<0.5	<5	<0.5	2770	<10	<20	0.1	0.9	<2	<100	<0.5	1.1	3.5
RX200650	<1	<2	3	<100	21	6.6	<1	4	<0.5	0.18	<0.5	<0.5	<5	<0.5	2330	<10	<20	0.1	0.7	<2	<100	<0.5	0.9	0.7
RX200651	<1	<2	1	<100	27	6.6	2	5	<0.5	0.25	0.6	<0.5	<5	<0.5	2790	<10	<20	0.1	0.9	<2	<100	<0.5	1.1	5.3
RX200652	<1	<2	3	<100	18	6.6	1	1	<0.5	0.10	<0.5	<0.5	<5	0.6	822	<10	<20	0.2	0.3	<2	<100	<0.5	<0.5	0.3
RX200653	<1	<2	2	<100	21	6.2	<1	2	<0.5	0.10	<0.5	<0.5	<5	1.1	796	<10	<20	0.1	0.3	<2	<100	<0.5	<0.5	0.3
RX200654	<1	<2	<1	<100	22	5.9	1	3	<0.5	0.19	<0.5	<0.5	<5	0.8	1220	<10	<20	<0.1	0.7	<2	<100	<0.5	0.6	0.3
RX200655	<1	<2	1	<100	30	5.1	1	4	<0.5	0.15	<0.5	<0.5	<5	1.3	1010	<10	<20	0.1	0.5	<2	<100	<0.5	0.7	1.7
RX200656	1	<2	4	<100	20	2.9	<1	2	<0.5	0.10	<0.5	<0.5	<5	0.6	846	<10	<20	0.3	0.4	<2	<100	<0.5	<0.5	0.2
RX200657	1	<2	2	<100	24	1.3	<1	2	<0.5	0.07	<0.5	<0.5	<5	<0.5	934	<10	<20	0.1	0.3	<2	<100	<0.5	<0.5	0.1
RX200658	<1	<2	4	220	33	6.7	5	53	0.8	0.90	1.6	<0.5	<5	2.0	9340	<10	21	0.2	2.7	<2	<100	<0.5	2.5	1.6
RX 200659	<1	<2	2	130	16	4.7	3	21	<0.5	0.69	1.8	<0.5	<5	<0.5	2790	<10	<20	0.1	2.3	<2	<100	<0.5	2.4	1.0
RX 200660	<1	<2	1	<100	14	5.8	1	3	<0.5	0.15	<0.5	<0.5	<5	0.5	361	<10	<20	0.1	0.5	<2	<100	<0.5	0.6	0.2
RX 200661	<1	<2	3	140	7	3.5	3	14	1.0	0.85	1.1	<0.5	<5	<0.5	1320	<10	27	0.3	3.0	<2	<100	<0.5	3.6	0.9
RX 200662	2	<2	3	270	14	3.4	7	31	2.3	1.62	1.8	<0.5	<5	<0.5	2100	<10	38	0.3	5.6	<2	<100	<0.5	6.7	4.2
RX 200663	<1	<2	1	<100	10	4.5	1	3	<0.5	0.14	<0.5	<0.5	<5	<0.5	292	<10	<20	0.2	0.5	<2	<100	<0.5	0.6	0.3
RX 200664	1	<2	1	<100	18	5.7	3	6	<0.5	0.46	0.8	<0.5	<5	<0.5	939	<10	<20	0.1	1.6	<2	<100	<0.5	2.2	1.9
RX 200665	<1	<2	<1	<100	11	4.1	2	[illegible]	<0.5	0.32	<0.5	<0.5	<5	0.7	455	<10	<20	0.1	1.0	<2	<100	<0.5	1.2	0.6
RX 200666	<1	<2	1	<100	11	3.7	2	4	<0.5	0.15	<0.5	<0.5	<5	0.8	390	<10	<20	0.1	0.6	<2	<100	<0.5	0.7	0.2
RX 200667	<1	<2	1	<100	11	4.5	1	2	<0.5	0.13	<0.5	<0.5	<5	0.6	389	<10	<20	0.1	0.5	<2	<100	<0.5	0.6	0.3
RX 200668	<1	<2	2	<100	14	4.6	<1	2	<0.5	0.11	<0.5	<0.5	<5	0.6	286	<10	<20	0.2	0.4	<2	<100	<0.5	<0.5	0.4
RX 200669	<1	<2	1	110	19	6.9	2	7	<0.5	0.33	0.6	<0.5	<5	<0.5	968	<10	<20	0.1	1.1	<2	<100	<0.5	1.3	12
RX 200670	2	<2	2	<100	18	4.9	2	9	0.5	0.44	0.7	<0.5	<5	0.6	1190	<10	<20	0.2	1.5	<2	<100	<0.5	1.5	0.6
RX 200671	<1	<2	<1	<100	13	4.8	2	4	<0.5	0.20	<0.5	<0.5	<5	0.6	520	<10	<20	<0.1	0.7	<2	<100	<0.5	0.8	0.6
RX 200672	<1	<2	<1	<100	11	4.7	<1	2	<0.5	0.08	<0.5	<0.5	<5	0.9	225	<10	<20	<0.1	0.3	<2	<100	<0.5	<0.5	0.8
RX 200673	<1	<2	<1	<100	12	4.7	<1	2	<0.5	0.08	<0.5	<0.5	<5	<0.5	201	<10	<20	<0.1	0.3	<2	<100	<0.5	<0.5	0.5
RX 200674	<1	<2	1	<100	14	4.8	1	2	<0.5	0.24	<0.5	<0.5	<5	<0.5	288	<10	<20	0.1	0.3	<2	<100	<0.5	<0.5	2.7
RX 200675	2	<2	4	110	34	3.1	10	9	0.6	1.34	0.6	<0.5	<5	<0.5	751	<10	<20	0.3	1.5	<2	<100	<0.5	1.7	2.8
RX 200676	<1	<2	3	<100	29	3.8	6	5	<0.5	0.81	<0.5	<0.5	<5	0.9	473	<10	<20	0.2	0.8	<2	<100	<0.5	0.9	1.1
RX 200677	<1	<2	1	<100	17	5.3	2	5	<0.5	0.34	<0.5	<0.5	<5	<0.5	477	<10	<20	0.2	0.9	<2	<100	<0.5	1.0	0.8
RX 200678	1	<2	2	<100	22	5.4	13	9	<0.5	0.46	<0.5	<0.5	<5	<0.5	255	<10	<20	0.2	1.3	<2	<100	<0.5	<0.5	0.9
RX 200679	<1	<2	1	<100	19	6.4	2	6	<0.5	0.30	<0.5	<0.5	<5	<0.5	513	<10	<20	0.2	1.4	<2	100	<0.5	1.9	0.4
RX 200680	<1	<2	2	170	9	3.7	4	15	1.3	0.72	1.2	<0.5	<5	<0.5	2080	<10	31	0.2	2.6	<2	<100	<0.5	2.4	0.4
RX 200681	1	<2	2	<100	7	0.5	2	5	0.6	0.30	0.6	<0.5	<5	<0.5	879	<10	<20	0.2	1.1	<2	<100	<0.5	0.8	0.2
RX 200682	<1	<2	3	120	9	0.7	5	8	0.7	0.73	<0.5	<0.5	<5	<0.5	892	<10	<20	0.3	3.3	<2	<100	<0.5	0.7	0.2
RX 200683	<1	<2	3	150	8	1.2	2	10	<0.5	0.42	1.8	<0.5	<5	<0.5	3530	<10	20	0.3	1.7	<2	<100	<0.5	1.4	0.5
RX 200684	<1	<2	2	<100	11	3.2	<1	2	<0.5	0.09	<0.5	<0.5	<5	<0.5	258	<10	<20	0.1	0.3	<2	<100	<0.5	<0.5	<0.1
RX 200685	<1	<2	1	<100	12	3.0	<1	1	<0.5	0.08	<0.5	<0.5	<5	<0.5	227	<10	<20	0.1	0.3	<2	<100	<0.5	<0.5	0.1
RX 200686	<1	<2	2	<100	14	3.6	1	2	<0.5	0.10	<0.5	<0.5	<5	<0.5	255	<10	<20	0.2	0.4	<2	<100	<0.5	<0.5	0.2
RX 200687	<1	<2	1	<100	12	4.4	<1	2	<0.5	0.10	<0.5	<0.5	<5	<0.5	271	<10	<20	0.1	0.3	<2	<100	<0.5	<0.5	0.1
RX 200688	<1	<2	1	<100	20	4.2	1	3	<0.5	0.09	<0.5	<0.5	<5	<0.5	244	<10	<20	<0.1	0.3	<2	<100	<0.5	<0.5	0.1
RX 200689	<1	<2	<1	<100	19	4.8	<1	1	<0.5	0.10	<0.5	<0.5	<5	<0.5	238	<10	<20	<0.1	0.3	<2	<100	<0.5	<0.5	0.3
RX 200690	<1	<2	3	<100	19	1.4	1	2	<0.5	0.20	<0.5	<0.5	<5	<0.5	230	<10	<20	0.2	0.6	<2	<100	<0.5	0.6	0.2

Activation Laboratories Ltd. Work Order: 5529 Report: 5469

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SR PPM	TA PPM	TH PPM	U PPM
RX 200691	1	<2	2	<100	9	0.9	2	7	0.7	0.41	0.6	<0.5	<5	<0.5	961	<10	<20	0.3	2.1	<2	<100	<0.5	0.6	0.1
RX 200692	1	<2	3	<100	18	3.3	<1	1	<0.5	0.06	<0.5	<0.5	<5	<0.5	149	<10	<20	0.2	0.2	<2	<100	<0.5	<0.5	<0.1
RX 200693	<1	<2	2	<100	12	1.8	<1	1	<0.5	0.06	<0.5	<0.5	<5	<0.5	204	<10	<20	0.2	0.2	<2	<100	<0.5	<0.5	<0.1
RX 200694	<1	<2	1	<100	13	3.2	<1	2	<0.5	0.07	<0.5	<0.5	<5	<0.5	221	12	<20	0.2	0.3	<2	<100	<0.5	<0.5	<0.1
RX 200695	<1	<2	1	<100	12	4.2	<1	1	<0.5	0.08	<0.5	<0.5	<5	<0.5	180	<10	<20	0.1	0.2	<2	<100	<0.5	<0.5	0.1
RX 200696	<1	<2	1	<100	15	3.4	<1	2	<0.5	0.09	<0.5	<0.5	<5	<0.5	239	<10	<20	0.1	0.4	<2	<100	<0.5	<0.5	0.2
RX 200697	<1	<2	<1	<100	14	4.0	<1	3	<0.5	0.14	<0.5	<0.5	<5	<0.5	342	<10	<20	<0.1	0.5	<2	<100	<0.5	<0.5	0.1
RX 200698	<1	<2	1	<100	16	2.8	<1	2	<0.5	0.07	<0.5	<0.5	<5	0.6	166	<10	<20	<0.1	0.3	<2	<100	<0.5	<0.5	<0.1
RX 200699	<1	<2	2	<100	14	4.1	2	3	<0.5	0.24	<0.5	<0.5	<5	<0.5	260	<10	<20	0.3	0.6	<2	<100	<0.5	<0.5	0.2
RX 200700	<1	<2	2	<100	15	5.9	<1	1	<0.5	0.09	<0.5	<0.5	<5	0.6	183	<10	<20	0.3	0.3	<2	<100	<0.5	<0.5	0.1
RX 200701	<1	<2	2	<100	14	4.0	<1	2	<0.5	0.09	<0.5	<0.5	<5	<0.5	195	<10	<20	0.1	0.3	<2	<100	<0.5	<0.5	0.2
RX 200702	<1	<2	3	<100	8	2.1	2	6	<0.5	0.27	0.6	<0.5	<5	<0.5	1010	<10	<20	0.2	0.9	<2	<100	<0.5	0.9	0.1
RX 200703	<1	<2	2	100	9	4.8	4	12	0.6	0.45	1.4	<0.5	<5	<0.5	2800	<10	<20	0.2	2.0	<2	<100	<0.5	1.7	0.7
RX 200704	<1	<2	3	<100	12	1.0	1	7	<0.5	0.27	0.5	<0.5	<5	<0.5	863	<10	<20	0.2	1.0	<2	<100	<0.5	1.0	0.3
RX 200705	1	<2	3	<100	15	3.6	<1	3	<0.5	0.13	<0.5	<0.5	<5	<0.5	374	<10	<20	0.2	0.4	<2	<100	<0.5	<0.5	<0.1
RX 200706	<1	<2	2	<100	19	6.5	<1	2	<0.5	0.07	<0.5	<0.5	<5	0.6	161	<10	<20	0.2	0.3	<2	<100	<0.5	<0.5	0.1
RX 200707	1	<2	4	<100	26	5.9	5	5	<0.5	1.07	<0.5	<0.5	<5	<0.5	456	<10	<20	0.2	0.9	<2	<100	<0.5	1.0	2.0
RX 200708	<1	<2	2	<100	12	2.3	<1	1	<0.5	0.06	<0.5	<0.5	<5	0.6	117	<10	<20	0.2	0.2	<2	<100	<0.5	<0.5	<0.1
RX 200709	<1	<2	2	<100	12	0.9	<1	2	<0.5	0.09	<0.5	<0.5	<5	<0.5	266	<10	<20	0.3	0.3	<2	<100	<0.5	<0.5	<0.1
RX 200710	<1	<2	2	<100	12	1.6	<1	1	<0.5	0.05	<0.5	<0.5	<5	<0.5	142	<10	<20	0.1	0.2	<2	<100	<0.5	<0.5	<0.1
RX 200711	<1	<2	4	<100	14	1.2	<1	1	<0.5	<0.05	<0.5	<0.5	<5	<0.5	133	<10	<20	0.2	0.1	<2	<100	<0.5	<0.5	<0.1
RX 200712	<1	<2	3	110	28	5.7	2	7	0.6	0.30	0.5	<0.5	<5	<0.5	811	<10	<20	0.4	1.1	<2	<100	<0.5	1.0	4.5
RX 200713	1	<2	2	<100	5	0.5	<1	3	<0.5	0.16	<0.5	<0.5	<5	<0.5	438	<10	<20	0.4	0.6	<2	<100	<0.5	<0.5	0.2
RX 200714	<1	<2	4	<100	24	1.1	1	2	<0.5	0.07	<0.5	<0.5	<5	<0.5	203	<10	<20	0.3	0.2	<2	<100	<0.5	<0.5	<0.1
RX 200715	<1	<2	3	<100	16	0.9	<1	2	<0.5	0.08	<0.5	<0.5	<5	<0.5	194	<10	<20	0.3	0.3	<2	<100	<0.5	<0.5	<0.1
RX 200716	<1	<2	5	<100	14	1.7	<1	3	<0.5	0.16	<0.5	<0.5	<5	<0.5	364	<10	<20	0.4	0.5	<2	<100	<0.5	0.5	<0.1
RX 200717	<1	<2	1	<100	6	0.4	<1	<1	<0.5	0.07	<0.5	<0.5	<5	<0.5	161	<10	<20	0.2	0.2	<2	<100	<0.5	<0.5	<0.1
RX 200718	<1	<2	1	<100	13	2.6	<1	<1	<0.5	<0.05	<0.5	<0.5	<5	<0.5	159	<10	<20	<0.1	0.1	<2	<100	<0.5	<0.5	<0.1
RX 200719	<1	<2	3	<100	14	1.2	<1	2	<0.5	0.10	<0.5	<0.5	<5	<0.5	235	<10	<20	0.2	0.3	<2	<100	<0.5	<0.5	0.2
RX 200720	<1	<2	2	<100	13	4.5	<1	2	<0.5	0.11	<0.5	<0.5	<5	<0.5	323	<10	<20	0.2	0.3	<2	<100	<0.5	<0.5	0.5
RX 200721	<1	<2	2	<100	15	4.3	<1	2	<0.5	0.13	<0.5	<0.5	<5	<0.5	358	14	<20	0.2	0.4	<2	<100	<0.5	<0.5	1.7
RX 200722	<1	<2	3	<100	16	2.6	1	3	<0.5	0.19	<0.5	<0.5	<5	0.7	602	<10	<20	0.3	0.5	<2	<100	<0.5	0.5	0.9
RX 200723	<1	<2	2	<100	8	2.1	1	5	<0.5	0.22	<0.5	<0.5	<5	<0.5	1020	<10	<20	0.2	0.7	<2	<100	<0.5	0.8	0.3
RX 200724	<1	<2	2	<100	6	1.4	2	3	<0.5	0.14	<0.5	<0.5	<5	<0.5	340	<10	<20	0.2	0.4	<2	<100	<0.5	<0.5	0.1
RX 200725	<1	<2	3	<100	7	0.8	<1	4	<0.5	0.19	<0.5	<0.5	<5	0.9	560	<10	<20	0.4	0.7	<2	<100	<0.5	0.6	0.2
RX 200726	<1	<2	1	<100	6	2.5	<1	2	<0.5	0.14	<0.5	<0.5	<5	0.6	362	<10	<20	0.2	0.4	<2	<100	<0.5	<0.5	0.2
RX 200727	<1	<2	3	110	7	2.9	3	12	1.3	0.61	0.7	<0.5	<5	0.5	1110	<10	<20	0.3	1.9	<2	<100	<0.5	2.4	0.8
RX 200728	<1	<2	1	<100	6	1.0	1	4	<0.5	0.16	<0.5	<0.5	<5	<0.5	305	<10	<20	0.2	0.5	<2	<100	<0.5	<0.5	0.2
RX 200729	1	<2	2	<100	9	3.8	2	6	0.6	0.37	<0.5	<0.5	<5	<0.5	640	<10	<20	0.3	1.1	<2	<100	<0.5	1.6	0.6
RX 200730	<1	<2	3	200	7	2.7	6	18	1.3	1.04	1.1	<0.5	<5	<0.5	1820	<13	41	0.4	3.3	<2	<100	<0.5	3.7	0.7
RX 200731	<1	<2	1	<100	6	2.3	2	3	<0.5	0.19	<0.5	<0.5	<5	<0.5	331	<10	<20	0.2	0.6	<2	<100	<0.5	0.8	0.2

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Sample description	W PPM	SN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	CU PPM	Mass g
RX 200601	<1	25	2.1	4	<3	0.2	<0.2	<0.2	<0.1	<0.1	4	15.12
RX 200602	<1	50	40	56	20	3.7	1.0	0.8	1.5	0.2	13	15.70
RX 200603	<1	45	25	35	12	2.4	0.5	0.5	0.8	0.1	10	15.34
RX 200604	<1	46	17	27	9	1.6	0.4	<0.2	0.7	0.1	9	15.43
RX 200605	1	49	19	34	10	1.9	0.4	<0.2	0.8	0.1	11	15.70
RX 200606	<1	43	21	32	10	1.9	0.4	<0.2	1.0	0.1	11	15.18
RX 200607	<1	37	9.2	14	6	0.9	0.2	<0.2	0.4	<0.1	10	15.56
RX 200608	<1	37	11	15	5	1.0	0.2	<0.2	0.3	<0.1	8	15.19
RX 200609	<1	<20	17	16	9	1.5	0.3	<0.2	0.4	<0.1	11	15.33
RX 200610	<1	25	11	13	6	1.1	0.2	<0.2	0.4	<0.1	9	15.74
RX 200611	<1	53	25	33	12	2.3	0.4	<0.2	0.8	0.1	10	15.55
RX 200612	<1	26	8.3	12	5	0.9	0.3	0.2	0.4	<0.1	7	15.26
RX 200613	<1	<20	5.8	9	3	0.6	<0.2	<0.2	0.3	<0.1	4	15.46
RX 200614	<1	<20	1.4	2	<3	0.2	<0.2	<0.2	<0.1	<0.1	3	15.28
RX 200615	<1	23	1.1	2	<3	0.2	<0.2	<0.2	<0.1	<0.1	3	15.12
RX 200616	<1	<20	2.2	4	<3	0.3	<0.2	<0.2	0.1	<0.1	4	15.26
RX 200617	<1	<20	1.0	2	<3	0.1	<0.2	<0.2	<0.1	<0.1	2	15.14
RX 200618	<1	35	12	20	7	1.5	0.3	0.4	0.6	<0.1	6	15.51
RX 200619	<1	<20	3.5	5	6	0.4	<0.2	<0.2	0.2	<0.1	4	15.35
RX 200620	<1	<20	1.8	3	5	0.2	<0.2	<0.2	0.1	<0.1	4	15.09
RX 200621	<1	<20	1.6	3	<3	0.2	<0.2	<0.2	0.1	<0.1	3	15.88
RX 200622	<1	<20	1.5	3	<3	0.2	<0.2	<0.2	<0.1	<0.1	5	15.29
RX 200623	<1	34	14	21	7	1.4	0.4	<0.2	0.5	0.1	8	15.79
RX 200624	<1	<20	1.7	3	<3	0.2	<0.2	<0.2	<0.1	<0.1	5	15.54
RX 200625	<1	21	1.7	3	<3	0.2	<0.2	<0.2	0.1	<0.1	4	15.12
RX 200626	<1	<20	7.3	12	6	0.9	0.3	<0.2	0.4	<0.1	9	15.70
RX 200627	<1	<20	2.9	5	<3	0.4	<0.2	<0.2	0.2	<0.1	5	15.19
RX 200628	<1	<20	2.5	5	3	0.4	<0.2	<0.2	0.2	<0.1	3	15.05
RX 200629	<1	<20	16	23	9	1.7	0.6	<0.2	0.4	<0.1	9	15.09
RX200630	<1	<20	16	13	10	1.6	0.4	<0.2	0.4	<0.1	7	15.43
RX200631	<1	<20	35	34	11	3.1	0.4	<0.2	0.9	0.1	12	15.91
RX200632	<1	<20	5.7	7	3	0.6	<0.2	<0.2	0.2	<0.1	5	15.14
RX200633	<1	<20	11	12	6	1.1	<0.2	<0.2	0.4	<0.1	4	15.25
RX200634	<1	<20	1.9	2	<3	0.2	<0.2	<0.2	0.1	<0.1	3	15.05
RX200635	<1	<20	1.7	2	<3	0.2	<0.2	<0.2	<0.1	<0.1	2	15.27
RX200636	<1	<20	1.6	2	<3	0.2	<0.2	<0.2	<0.1	<0.1	2	15.50
RX200637	<1	23	1.8	2	<3	0.2	<0.2	<0.2	<0.1	<0.1	1	15.11
RX200638	<1	<20	1.5	2	3	0.2	<0.2	<0.2	<0.1	<0.1	3	15.03
RX200639	<1	<20	46	47	17	4.4	0.7	<0.2	1.2	<0.1	13	15.28
RX200640	<1	<20	3.4	4	<3	0.4	<0.2	<0.2	0.1	<0.1	4	15.45
RX200641	<1	<20	2.1	2	<3	0.3	<0.2	<0.2	0.1	<0.1	4	15.26
RX200642	<1	<20	1.2	1	<3	0.1	<0.2	<0.2	<0.1	<0.1	2	15.29
RX200643	<1	<20	1.5	2	<3	0.2	<0.2	<0.2	<0.1	<0.1	3	15.20
RX200644	<1	<20	0.9	1	<3	0.1	<0.2	<0.2	<0.1	<0.1	2	15.37
RX200645	<1	<20	1.3	2	<3	0.1	<0.2	<0.2	<0.1	<0.1	3	15.54

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Sample description	W PPM	SN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	CU PPM	Mass g
RX200646	<1	21	1.2	1	<3	0.2	<0.2	<0.2	<0.1	<0.1	2	15.08
RX200647	<1	<20	0.9	<1	<3	0.1	<0.2	<0.2	<0.1	<0.1	2	15.30
RX200648	<1	<20	1.6	2	<3	0.2	<0.2	<0.2	<0.1	<0.1	3	15.64
RX200649	<1	<20	6.5	6	4	0.8	<0.2	<0.2	0.2	<0.1	15	15.15
RX200650	<1	<20	4.5	5	<3	0.6	<0.2	<0.2	0.2	<0.1	5	15.28
RX200651	<1	<20	6.0	6	3	0.8	<0.2	<0.2	0.3	<0.1	6	15.26
RX200652	<1	20	1.8	2	<3	0.2	<0.2	<0.2	0.1	<0.1	5	15.53
RX200653	<1	<20	1.9	2	<3	0.3	<0.2	<0.2	0.1	<0.1	4	15.27
RX200654	<1	<20	3.0	4	<3	0.4	<0.2	<0.2	0.1	<0.1	4	15.20
RX200655	<1	<20	3.0	3	<3	0.4	<0.2	<0.2	0.1	<0.1	4	15.11
RX200656	<1	<20	1.7	2	<3	0.2	<0.2	<0.2	0.1	<0.1	2	15.31
RX200657	<1	<20	1.3	1	<3	0.2	<0.2	<0.2	<0.1	<0.1	3	15.07
RX200658	<1	35	18	19	7	2.0	0.3	<0.2	0.7	<0.1	8	15.63
RX 200659	<1	35	10	17	6	1.1	0.3	<0.2	0.4	<0.1	5	15.71
RX 200660	<1	30	1.9	3	<3	0.3	<0.2	<0.2	0.1	<0.1	5	15.19
RX 200661	<1	35	43	26	21	3.5	0.9	0.4	0.9	0.1	5	15.37
RX 200662	<1	59	48	47	24	4.0	1.0	<0.2	1.2	0.2	12	15.78
RX 200663	<1	<20	4.9	5	3	0.4	<0.2	<0.2	0.2	<0.1	7	15.07
RX 200664	<1	<20	11	12	6	1.1	0.2	<0.2	0.4	<0.1	7	15.22
RX 200665	<1	<20	4.1	6	<3	0.4	<0.2	<0.2	0.2	<0.1	8	15.52
RX 200666	<1	25	1.8	3	<3	0.2	<0.2	<0.2	0.1	<0.1	5	15.04
RX 200667	<1	<20	1.7	3	<3	0.2	<0.2	<0.2	0.1	<0.1	6	15.20
RX 200668	<1	22	1.5	2	<3	0.2	<0.2	<0.2	<0.1	<0.1	6	15.30
RX 200669	<1	<20	4.7	9	4	0.6	<0.2	<0.2	0.2	<0.1	5	15.39
RX 200670	<1	20	4.3	7	<3	0.5	<0.2	<0.2	0.3	<0.1	4	15.11
RX 200671	<1	<20	2.5	5	<3	0.3	<0.2	<0.2	0.1	<0.1	6	15.68
RX 200672	<1	<20	1.0	2	<3	0.1	<0.2	<0.2	<0.1	<0.1	4	15.14
RX 200673	<1	<20	1.2	2	<3	0.2	<0.2	<0.2	<0.1	<0.1	4	15.61
RX 200674	<1	<20	1.1	2	<3	0.1	<0.2	<0.2	<0.1	<0.1	4	15.12
RX 200675	<1	<20	9.9	15	6	1.0	0.2	<0.2	0.4	<0.1	12	15.52
RX 200676	<1	<20	4.6	8	4	0.5	<0.2	<0.2	0.3	<0.1	9	15.43
RX 200677	<1	<20	4.1	6	<3	0.5	<0.2	<0.2	0.2	<0.1	14	15.09
RX 200678	<1	<20	2.3	4	<3	0.3	<0.2	<0.2	0.2	<0.1	57	15.14
RX 200679	<1	<20	8.2	12	5	0.9	<0.2	<0.2	0.4	<0.1	13	15.27
RX 200680	<1	28	10	16	5	1.1	0.3	0.3	0.5	<0.1	9	15.40
RX 200681	<1	<20	3.9	7	<3	0.4	<0.2	<0.2	0.2	<0.1	7	15.27
RX 200682	<1	38	3.2	6	<3	0.5	<0.2	<0.2	0.4	<0.1	22	15.25
RX 200683	<1	<20	6.4	10	3	0.7	<0.2	<0.2	0.4	<0.1	6	15.17
RX 200684	<1	<20	0.9	2	<3	0.1	<0.2	<0.2	<0.1	<0.1	3	15.40
RX 200685	<1	<20	0.9	2	<3	0.1	<0.2	<0.2	<0.1	<0.1	3	15.07
RX 200686	<1	<20	1.3	2	<3	0.2	<0.2	<0.2	<0.1	<0.1	3	15.22
RX 200687	<1	<20	1.1	2	<3	0.1	<0.2	<0.2	<0.1	<0.1	3	15.23
RX 200688	<1	<20	1.0	2	<3	0.1	<0.2	<0.2	<0.1	<0.1	3	15.19
RX 200689	<1	<20	1.1	2	<3	0.1	<0.2	<0.2	0.1	<0.1	4	15.80
RX 200690	<1	<20	2.1	4	<3	0.3	<0.2	<0.2	0.1	<0.1	2	15.43

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Sample description	W PPM	SN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	CU PPM	Mass g
RX 200691	<1	53	2.5	5	<3	0.3	<0.2	<0.2	0.3	<0.1	6	15.33
RX 200692	<1	27	0.6	2	<3	<0.1	<0.2	<0.2	<0.1	<0.1	3	15.36
RX 200693	<1	24	0.6	1	<3	<0.1	<0.2	<0.2	<0.1	<0.1	2	15.39
RX 200694	<1	31	0.8	2	<3	0.1	<0.2	<0.2	<0.1	<0.1	3	15.06
RX 200695	<1	<20	0.8	1	<3	0.1	<0.2	<0.2	<0.1	<0.1	3	15.14
RX 200696												
RX 200697	<1	<20	1.0	2	<3	0.1	<0.2	<0.2	<0.1	<0.1	3	15.11
RX 200698	<1	<20	1.4	2	<3	0.2	<0.2	<0.2	0.1	<0.1	5	15.35
RX 200699	<1	<20	0.7	2	<3	<0.1	<0.2	<0.2	<0.1	<0.1	4	15.29
RX 200700	<1	24	2.5	4	<3	0.3	<0.2	<0.2	0.2	<0.1	21	15.10
	<1	20	1.1	2	<3	0.1	<0.2	<0.2	0.1	<0.1	11	15.74
RX 200701												
RX 200702	<1	21	0.9	2	<3	0.1	<0.2	<0.2	<0.1	<0.1	8	15.40
RX 200703	<1	35	3.4	6	<3	0.4	<0.2	<0.2	0.2	<0.1	5	15.22
RX 200704	<1	<20	0.6	14	6	1.1	0.3	<0.2	0.6	<0.1	14	15.28
RX 200705	<1	24	2.8	5	<3	0.3	<0.2	<0.2	0.2	<0.1	5	15.36
	<1	40	1.2	2	<3	0.2	<0.2	<0.2	0.1	<0.1	6	15.57
RX 200706												
RX 200707	<1	36	0.8	2	<3	<0.1	<0.2	<0.2	<0.1	<0.1	7	15.38
RX 200708	<1	21	4.3	7	3	0.5	<0.2	<0.2	0.2	<0.1	9	15.74
RX 200709	<1	39	0.6	1	<3	<0.1	<0.2	<0.2	<0.1	<0.1	3	15.21
RX 200710	<1	21	1.0	2	<3	0.1	<0.2	<0.2	<0.1	<0.1	3	15.06
	<1	<20	0.5	1	<3	<0.1	<0.2	<0.2	<0.1	<0.1	2	15.13
RX 200711												
RX 200712	<1	35	0.4	<1	<3	<0.1	<0.2	<0.2	<0.1	<0.1	2	15.07
RX 200713	<1	42	3.5	7	<3	0.4	<0.2	<0.2	0.2	<0.1	10	15.24
RX 200714	<1	21	1.7	3	<3	0.2	<0.2	<0.2	0.1	<0.1	4	15.12
RX 200715	<1	<20	0.6	1	<3	<0.1	<0.2	<0.2	<0.1	<0.1	2	15.54
	<1	20	0.9	1	<3	0.1	<0.2	<0.2	<0.1	<0.1	2	15.74
RX 200716												
RX 200717	<1	29	1.5	3	<3	0.2	<0.2	<0.2	0.1	<0.1	4	15.15
RX 200718	<1	<20	0.7	1	<3	0.1	<0.2	<0.2	<0.1	<0.1	3	15.22
RX 200719	<1	<20	0.3	<1	<3	<0.1	<0.2	<0.2	<0.1	<0.1	2	15.22
RX 200720	<1	<20	1.0	2	<3	0.1	<0.2	<0.2	<0.1	<0.1	3	15.06
	<1	28	1.1	2	<3	0.1	<0.2	<0.2	<0.1	<0.1	4	15.08
RX 200721												
RX 200722	<1	<20	1.3	2	<3	0.1	<0.2	<0.2	0.1	<0.1	4	15.02
RX 200723	<1	<20	2.2	4	<3	0.3	<0.2	<0.2	0.1	<0.1	5	15.47
RX 200724	<1	21	3.2	5	<3	0.4	<0.2	<0.2	0.2	<0.1	7	15.51
RX 200725	<1	<20	2.1	4	<3	0.2	<0.2	<0.2	0.1	<0.1	9	15.51
	<1	24	2.5	4	<3	0.3	<0.2	<0.2	0.2	<0.1	5	15.00
RX 200726												
RX 200727	<1	47	1.4	3	<3	0.2	<0.2	<0.2	0.1	<0.1	6	15.51
RX 200728	<1	21	18	21	14	1.7	0.3	<0.2	0.5	<0.1	9	15.64
RX 200729	<1	55	2.4	3	<3	0.2	<0.2	<0.2	0.1	<0.1	6	15.26
RX 200730	<1	29	26	28	16	2.0	0.4	0.2	0.5	<0.1	7	15.13
	<1	<20	27	39	18	2.5	0.5	<0.2	0.9	0.1	11	15.30
RX 200731												
	<1	26	13	14	8	1.0	<0.2	<0.2	0.3	<0.1	8	15.69

Appendix 4

Multi-element Analyses - (Spruce Bark)

Activation Laboratories Ltd. Work Order: 5528 Report: 5468

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	K %	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SR PPM	TA PPM	TH PPM
RX 199001	<0.1	<0.3	0.26	52	4.9	0.71	0.3	1.3	<0.05	0.030	<0.05	0.06	<0.1	<0.05	<0.05	49.8	<2	<1	0.027	0.07	<0.1	27	<0.05	<0.1
RX 199002	<0.1	<0.3	0.21	29	5.9	0.76	0.3	1.1	0.09	0.018	<0.05	0.09	<0.1	0.06	<0.05	64.0	<2	1	0.025	0.06	0.2	<10	<0.05	<0.1
RX 199003	<0.1	<0.3	0.16	37	3.1	0.75	0.2	1.7	<0.05	0.018	<0.05	0.07	<0.1	0.06	<0.05	40.0	<2	1	0.026	0.05	<0.1	24	<0.05	<0.1
RX 199004	<0.1	<0.3	0.12	36	3.7	0.71	0.2	0.7	<0.05	0.014	<0.05	0.05	<0.1	<0.05	<0.05	29.2	<2	<1	0.020	0.04	<0.1	19	<0.05	<0.1
RX 199005	<0.1	<0.3	0.18	36	4.7	0.61	0.2	0.8	<0.05	0.013	<0.05	0.10	<0.1	0.05	<0.05	35.2	<2	<1	0.025	0.04	<0.1	19	<0.05	<0.1
RX 199006	<0.1	<0.3	0.13	45	5.6	0.90	0.2	0.4	<0.05	0.010	<0.05	0.08	<0.1	0.05	<0.05	29.8	<2	<1	0.017	0.03	<0.1	27	<0.05	<0.1
RX 199007	<0.1	<0.3	0.14	50	4.2	0.76	0.2	0.6	<0.05	0.011	<0.05	0.08	<0.1	<0.05	<0.05	30.2	<2	<1	0.019	0.04	<0.1	<10	<0.05	<0.1
RX 199008	<0.1	<0.3	0.33	41	7.9	0.77	0.3	1.0	<0.05	0.029	0.07	0.13	<0.1	0.09	<0.05	69.6	<2	<1	0.044	0.09	<0.1	<10	<0.05	<0.1
RX 199009	0.2	<0.3	0.29	47	6.7	0.79	0.3	1.5	0.08	0.034	0.06	0.07	<0.1	0.08	<0.05	83.2	4	2	0.045	0.11	<0.1	<10	<0.05	<0.1
RX 199010	0.2	<0.3	0.31	30	7.9	0.78	0.4	1.4	0.09	0.032	0.06	0.09	<0.1	0.09	<0.05	72.4	3	1	0.047	0.10	0.1	<10	<0.05	<0.1
RX 199011	<0.1	<0.3	0.27	29	8.2	0.57	0.3	1.3	<0.05	0.030	0.06	0.12	<0.1	0.10	<0.05	71.9	<2	1	0.038	0.10	<0.1	<10	<0.05	<0.1
RX 199012	0.2	<0.3	0.26	46	9.4	0.94	0.3	1.1	<0.05	0.020	<0.05	0.09	<0.1	0.08	<0.05	51.0	3	<1	0.036	0.06	<0.1	<10	<0.05	<0.1
RX 199013	<0.1	<0.3	0.22	74	8.7	0.79	0.3	1.1	<0.05	0.015	<0.05	0.09	<0.1	0.07	<0.05	41.7	<2	1	0.033	0.04	<0.1	27	<0.05	<0.1
RX 199014	<0.1	<0.3	0.21	46	7.1	0.54	0.3	0.9	<0.05	0.013	<0.05	0.10	<0.1	0.06	<0.05	38.5	<2	<1	0.026	0.04	<0.1	<10	<0.05	<0.1
RX 199015	<0.1	<0.3	0.25	44	8.6	0.61	0.3	0.9	<0.05	0.019	<0.05	0.12	<0.1	0.07	0.07	50.3	<2	1	0.034	0.06	<0.1	<10	<0.05	<0.1
RX 199016	0.3	<0.3	0.20	39	8.4	0.96	0.3	0.6	<0.05	0.015	<0.05	0.10	<0.1	0.06	<0.05	44.4	<2	<1	0.029	0.05	<0.1	26	<0.05	<0.1
RX 199017	0.2	<0.3	0.21	49	6.2	1.1	0.3	0.7	0.05	0.017	<0.05	<0.05	<0.1	0.08	<0.05	47.0	<2	1	0.028	0.06	0.2	36	<0.05	<0.1
RX 199018	<0.1	<0.3	0.14	39	3.5	0.56	0.2	0.9	<0.05	0.016	<0.05	0.08	<0.1	0.07	<0.05	41.4	<2	1	0.021	0.05	<0.1	13	<0.05	<0.1
RX 199019	0.3	<0.3	0.27	38	9.2	0.88	0.3	0.9	0.05	0.022	<0.05	0.14	<0.1	0.06	0.13	56.8	<2	1	0.038	0.07	<0.1	17	<0.05	<0.1
RX 199020	<0.1	<0.3	0.20	37	8.2	0.76	0.3	0.6	<0.05	0.014	<0.05	0.15	<0.1	0.06	<0.05	42.2	<2	1	0.030	0.04	<0.1	<10	<0.05	<0.1
RX 199021	<0.1	<0.3	0.22	41	7.9	0.87	0.3	0.7	<0.05	0.014	<0.05	0.12	<0.1	<0.05	<0.05	36.1	<2	<1	0.029	0.04	<0.1	18	<0.05	<0.1
RX 199022	<0.1	<0.3	0.22	36	6.1	0.98	0.3	0.8	<0.05	0.018	<0.05	0.12	<0.1	0.07	<0.05	42.7	<2	<1	0.033	0.06	<0.1	16	<0.05	<0.1
RX 199023	<0.1	<0.3	0.27	49	8.7	1.3	0.3	0.7	<0.05	0.019	<0.05	0.16	<0.1	0.06	<0.05	39.4	<2	<1	0.047	0.05	<0.1	18	<0.05	<0.1
RX 199024	<0.1	<0.3	0.33	52	12	1.1	0.4	0.9	0.08	0.028	0.05	0.17	<0.1	0.09	<0.05	66.3	<2	1	0.052	0.09	0.1	30	<0.05	<0.1
RX 199025	0.3	<0.3	0.44	40	11	0.94	0.4	1.4	<0.05	0.037	0.07	0.20	<0.1	0.09	<0.05	91.1	<2	1	0.062	0.13	<0.1	20	<0.05	0.1
RX 199026	<0.1	<0.3	0.24	58	8.6	0.79	0.3	0.8	0.05	0.018	<0.05	0.11	<0.1	0.06	<0.05	45.8	<2	<1	0.034	0.06	<0.1	<10	<0.05	<0.1
RX 199027	<0.1	<0.3	0.23	50	9.3	1.0	0.3	0.7	<0.05	0.016	<0.05	0.14	<0.1	0.06	<0.05	42.8	<2	<1	0.034	0.05	<0.1	<10	<0.05	<0.1
RX 199028	<0.1	<0.3	0.30	45	7.9	1.2	0.3	0.4	<0.05	0.014	<0.05	0.15	<0.1	0.08	<0.05	42.0	<2	1	0.023	0.04	<0.1	16	<0.05	<0.1
RX 199029	<0.1	<0.3	0.42	11	8.9	0.74	0.4	0.7	0.08	0.027	<0.05	0.26	<0.1	0.08	0.10	57.9	<2	2	0.053	0.08	<0.1	<10	<0.05	<0.1
RX 199030	<0.1	<0.3	0.21	100	7.4	0.84	0.3	0.6	<0.05	0.015	<0.05	0.13	<0.1	0.05	<0.05	42.6	<2	1	0.029	0.05	<0.1	18	<0.05	<0.1
RX 199031	0.2	<0.3	0.21	14	5.2	0.65	0.2	0.4	<0.05	0.016	<0.05	0.09	<0.1	0.06	<0.05	35.1	<2	2	0.029	0.05	<0.1	<10	<0.05	<0.1
RX 199032	0.3	<0.3	0.26	33	8.9	0.81	0.4	1.4	<0.05	0.039	0.09	0.15	<0.1	0.09	<0.05	139	<2	2	0.052	0.13	0.2	<10	<0.05	0.1
RX 199033	<0.1	<0.3	0.23	34	7.4	0.81	0.3	0.9	0.06	0.021	<0.05	0.09	<0.1	0.06	<0.05	54.2	<2	1	0.041	0.07	0.2	<10	<0.05	<0.1
RX 199034	0.3	<0.3	0.23	27	7.8	0.58	0.3	1.0	0.07	0.021	<0.05	0.11	<0.1	0.07	0.09	49.8	<2	<1	0.036	0.07	0.2	<10	<0.05	<0.1
RX 199035	<0.1	<0.3	0.25	37	6.4	0.70	0.3	1.2	0.07	0.024	<0.05	0.09	<0.1	0.07	0.06	49.8	<2	1	0.038	0.07	<0.1	<10	<0.05	<0.1
RX 199036	0.3	<0.3	0.32	43	7.1	0.63	0.3	1.4	0.08	0.030	0.06	0.14	<0.1	0.08	<0.05	67.5	<2	2	0.032	0.10	<0.1	<10	<0.05	<0.1
RX 199037	<0.1	<0.3	0.27	46	7.0	0.69	0.3	1.4	<0.05	0.025	0.05	0.11	<0.1	0.07	0.07	56.6	<2	2	0.044	0.08	<0.1	<10	<0.05	<0.1
RX 199038	0.2	<0.3	0.29	44	7.4	0.71	0.3	1.7	0.05	0.031	0.06	0.14	<0.1	0.07	<0.05	69.9	<2	1	0.047	0.09	<0.1	<10	<0.05	<0.1
RX 199039	<0.1	<0.3	0.25	36	6.4	0.70	0.3	1.4	0.07	0.024	<0.05	0.11	<0.1	0.06	0.06	52.0	3	1	0.039	0.07	<0.1	<10	<0.05	<0.1
RX 199040	<0.1	<0.3	0.22	61	5.9	1.1	0.3	1.6	0.07	0.025	0.05	0.10	<0.1	0.07	<0.05	56.1	<2	1	0.041	0.08	0.1	13	<0.05	<0.1
RX 199041	<0.1	<0.3	0.27	48	8.8	0.96	0.3	1.0	<0.05	0.014	<0.05	0.11	<0.1	0.06	<0.05	42.7	<2	<1	0.037	0.05	<0.1	16	<0.05	<0.1
RX 199042	0.3	<0.3	0.36	44	14	1.1	0.4	0.8	<0.05	0.020	<0.05	0.26	<0.1	0.07	<0.05	54.0	<2	1	0.052	0.06	<0.1	<10	<0.05	<0.1
RX 199043	0.2	<0.3	0.33	37	12	0.84	0.4	0.8	<0.05	0.020	<0.05	0.14	<0.1	0.11	<0.05	46.0	<2	1	0.050	0.06	0.1	18	<0.05	<0.1
RX 199044	<0.1	<0.3	0.13	37	7.0	1.1	0.2	0.6	<0.05	0.013	<0.05	0.11	<0.1	0.06	<0.05	33.5	<2	<1	0.021	0.04	<0.1	22	<0.05	<0.1
RX 199045	0.2	<0.3	0.24	32	5.6	0.50	0.3	0.8	0.06	0.020	<0.05	0.13	<0.1	0.11	<0.05	50.0	<2	1	0.029	0.06	<0.1	<10	<0.05	<0.1

Activation Laboratories Ltd. Work Order: 5528 Report: 5468

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	K %	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SR PPM	TA PPM	TH PPM
RX 199046	0.2	<0.3	0.17	33	6.1	0.88	0.3	0.6	<0.05	0.010	<0.05	0.10	<0.1	0.05	<0.05	31.6	<2	<1	0.023	0.03	<0.1	17	<0.05	<0.1
RX 199047	<0.1	<0.3	0.18	37	3.1	0.70	0.1	0.6	<0.05	0.017	<0.05	0.08	<0.1	0.07	<0.05	42.5	<2	1	0.023	0.05	<0.1	28	<0.05	<0.1
RX 199048	<0.1	<0.3	0.23	51	7.0	0.59	0.2	0.8	0.07	0.018	<0.05	0.07	<0.1	0.07	<0.05	48.4	<2	<1	0.029	0.06	<0.1	<10	<0.05	<0.1
RX 199049	0.3	<0.3	0.46	75	15	0.91	0.5	1.0	0.08	0.035	0.08	0.18	<0.1	0.11	<0.05	91.0	3	2	0.067	0.12	0.2	<10	<0.05	<0.1
RX 199050	<0.1	<0.3	0.41	99	15	0.87	0.5	1.1	<0.05	0.037	0.08	0.23	<0.1	0.12	<0.05	87.0	<2	3	0.060	0.12	0.1	10	<0.05	<0.1
RX 199051	0.2	<0.3	0.37	75	15	0.95	0.5	1.0	<0.05	0.022	0.05	0.21	<0.1	0.06	0.09	62.7	<2	1	0.050	0.07	0.1	<10	<0.05	<0.1
RX 199052	<0.1	<0.3	0.44	71	13	0.82	0.4	1.0	0.06	0.031	0.06	0.29	<0.1	0.07	<0.05	66.7	<2	1	0.063	0.09	<0.1	18	<0.05	<0.1
RX 199053	0.4	<0.3	0.50	58	15	1.2	0.5	1.3	0.08	0.038	0.07	0.27	<0.1	0.11	0.13	91.0	<2	2	0.074	0.13	<0.1	<10	<0.05	0.1
RX 199054	0.2	<0.3	0.32	44	9.9	0.99	0.3	0.9	0.06	0.025	0.05	0.16	<0.1	0.06	<0.05	51.6	<2	1	0.046	0.08	0.2	23	<0.05	<0.1
RX 199055	0.3	<0.3	0.35	48	10	0.87	0.4	1.3	0.08	0.032	0.06	0.19	<0.1	0.09	<0.05	75.6	<2	1	0.054	0.11	0.2	<10	<0.05	<0.1
RX 199056	<0.1	<0.3	0.50	79	12	0.98	0.4	1.2	0.17	0.038	0.07	0.33	<0.1	0.10	<0.05	94.3	3	3	0.078	0.12	<0.1	<10	<0.05	<0.1
RX 199057	0.2	<0.3	0.54	48	11	0.87	0.4	1.9	0.12	0.046	0.08	0.29	<0.1	0.09	0.08	99.4	2	2	0.076	0.15	0.3	14	<0.05	0.1
RX 199058	<0.1	<0.3	0.27	68	10	1.0	0.3	1.6	<0.05	0.023	<0.05	0.24	<0.1	0.06	<0.05	53.9	<2	<1	0.039	0.07	<0.1	21	<0.05	<0.1
RX 199059	<0.1	<0.3	0.29	46	12	1.1	0.4	1.2	0.08	0.028	0.06	0.13	<0.1	0.07	<0.05	61.7	5	<1	0.054	0.08	0.2	24	<0.05	<0.1
RX 199060	<0.1	<0.3	0.24	42	8.4	1.3	0.3	1.3	0.08	0.022	<0.05	0.12	<0.1	0.05	<0.05	46.0	<2	<1	0.048	0.06	0.2	<10	<0.05	<0.1
RX 199061	<0.1	<0.3	0.47	47	16	0.93	0.6	1.1	0.08	0.030	0.06	0.16	<0.1	0.09	<0.05	74.4	<2	2	0.069	0.10	<0.1	<10	<0.05	<0.1
RX 199062	<0.1	<0.3	0.11	39	3.4	0.63	0.2	0.4	<0.05	0.008	<0.05	0.10	<0.1	0.07	<0.05	21.8	<2	<1	0.021	0.03	<0.1	48	<0.05	<0.1
RX 199063	<0.1	<0.3	0.26	37	7.9	0.77	0.4	0.7	0.08	0.017	<0.05	0.14	<0.1	0.07	<0.05	42.8	<2	<1	0.036	0.05	<0.1	11	<0.05	<0.1
RX 199064	<0.1	<0.3	0.29	56	8.8	0.73	0.4	1.0	<0.05	0.019	<0.05	0.14	<0.1	0.06	0.06	47.6	<2	<1	0.040	0.06	<0.1	<10	<0.05	<0.1
RX 199065	0.1	<0.3	0.43	36	9.9	0.73	0.5	1.2	0.05	0.034	0.07	0.12	<0.1	0.10	0.12	75.6	<2	1	0.059	0.11	0.1	<10	<0.05	<0.1
RX 199066	<0.1	<0.3	0.26	45	7.9	0.70	0.4	1.0	<0.05	0.021	<0.05	0.11	<0.1	0.07	<0.05	49.4	2	1	0.040	0.07	<0.1	<10	<0.05	<0.1
RX 199067	0.3	<0.3	0.31	40	11	0.68	0.5	1.3	0.10	0.031	<0.05	0.17	<0.1	0.09	<0.05	75.9	<2	2	0.046	0.11	<0.1	<10	<0.05	<0.1
RX 199068	<0.1	<0.3	0.32	40	12	1.1	0.4	1.1	<0.05	0.029	<0.05	0.18	<0.1	0.10	0.08	75.3	<2	2	0.045	0.09	<0.1	18	<0.05	<0.1
RX 199069	<0.1	<0.3	0.38	66	17	0.88	0.6	0.9	0.09	0.029	<0.05	0.24	<0.1	0.09	<0.05	70.0	<2	2	0.063	0.09	<0.1	<10	<0.05	<0.1
RX 199070	<0.1	<0.3	0.31	54	11	1.1	0.4	0.8	0.05	0.026	0.05	0.18	<0.1	0.08	0.09	57.9	<2	1	0.052	0.09	<0.1	<10	<0.05	<0.1
RX 199071	<0.1	<0.3	0.39	40	13	0.98	0.5	1.1	0.08	0.031	0.06	0.21	<0.1	0.10	<0.05	71.4	<2	1	0.060	0.09	<0.1	<10	<0.05	<0.1
RX 199072	<0.1	<0.3	0.48	53	15	0.68	0.5	1.4	0.06	0.039	0.06	0.22	<0.1	0.11	<0.05	96.3	<2	2	0.065	0.13	0.2	<10	<0.05	<0.1
RX 199073	<0.1	<0.3	0.51	47	12	0.95	0.5	1.4	0.08	0.044	0.06	0.23	<0.1	0.11	<0.05	103	5	2	0.077	0.15	0.2	<10	<0.05	0.1
RX 199074	<0.1	<0.3	0.29	54	12	0.96	0.5	1.9	<0.05	0.029	0.05	0.09	<0.1	0.08	<0.05	73.6	3	2	0.052	0.09	0.1	<10	<0.05	<0.1
RX 199075	<0.1	<0.3	0.25	36	7.7	0.79	0.3	1.0	<0.05	0.020	<0.05	0.11	<0.1	0.08	<0.05	55.6	<2	1	0.033	0.06	<0.1	25	<0.05	<0.1
RX 199076	<0.1	<0.3	0.31	45	13	1.1	0.5	0.8	<0.05	0.023	<0.05	0.18	<0.1	0.07	<0.05	57.4	3	2	0.047	0.07	<0.1	<10	<0.05	<0.1
RX 199077	<0.1	<0.3	0.45	49	15	0.89	0.6	1.5	0.12	0.044	0.06	0.22	<0.1	0.10	<0.05	105	<2	2	0.069	0.15	<0.1	<10	<0.05	0.1
RX 199078	<0.1	<0.3	0.36	44	15	0.96	0.5	0.9	0.08	0.027	0.05	0.21	<0.1	0.08	<0.05	64.0	<2	3	0.055	0.09	<0.1	24	<0.05	<0.1
RX 199079	<0.1	<0.3	0.20	10	7.8	0.78	0.4	0.5	0.06	0.014	<0.05	0.16	<0.1	<0.05	<0.05	43.8	<2	<1	0.040	0.04	0.2	<10	<0.05	<0.1
RX 199080	0.3	<0.3	0.27	26	9.1	0.57	0.4	0.8	0.07	0.022	<0.05	0.20	<0.1	0.07	0.06	51.9	<2	2	0.043	0.07	<0.1	<10	<0.05	<0.1
RX 199081	<0.1	<0.3	0.20	27	6.4	0.96	0.3	0.6	<0.05	0.016	<0.05	0.13	<0.1	0.05	<0.05	36.7	<2	<1	0.030	0.05	0.1	<10	<0.05	<0.1
RX 199082	<0.1	<0.3	0.30	39	9.8	1.1	0.4	0.5	<0.05	0.022	0.05	0.13	<0.1	0.05	<0.05	43.8	<2	1	0.057	0.06	0.1	<10	<0.05	<0.1
RX 199083	0.1	<0.3	0.29	83	9.0	1.2	0.4	0.9	0.06	0.026	<0.05	0.09	<0.1	0.06	0.11	57.0	<2	2	0.052	0.08	0.1	<10	<0.05	<0.1
RX 199084	<0.1	<0.3	0.27	23	9.4	0.89	0.4	0.9	0.10	0.023	<0.05	0.15	<0.1	0.08	<0.05	60.0	4	2	0.038	0.07	0.2	<10	<0.05	<0.1
RX 199085	<0.1	<0.3	0.31	17	6.3	0.51	0.3	1.0	0.10	0.026	<0.05	0.17	<0.1	0.06	<0.05	60.2	<2	1	0.054	0.08	0.1	<10	<0.05	<0.1
RX 199086	0.1	<0.3	0.37	75	17	1.0	0.6	0.9	0.08	0.022	<0.05	0.20	<0.1	0.07	<0.05	58.6	<2	2	0.053	0.06	<0.1	<10	<0.05	<0.1
RX 199087	0.3	<0.3	0.47	42	12	0.68	0.4	1.5	0.17	0.044	0.08	0.25	<0.1	0.09	<0.05	104	4	2	0.068	0.16	0.1	<10	<0.05	0.1
RX 199088	0.6	<0.3	0.41	39	12	0.68	0.6	1.2	0.12	0.038	0.05	0.22	<0.1	0.08	<0.05	94.7	4	2	0.062	0.12	<0.1	<10	<0.05	0.1
RX 199089	0.4	<0.3	0.32	56	8.4	0.66	0.5	2.0	0.08	0.042	0.06	0.20	<0.1	0.10	0.08	99.5	<2	3	0.059	0.13	0.2	<10	<0.05	0.1
RX 199090	<0.1	<0.3	0.34	41	12	0.92	0.6	1.3	0.08	0.038	<0.05	0.29	<0.1	0.08	0.05	87.1	<2	2	0.066	0.11	<0.1	<10	<0.05	<0.1

Activation Laboratories Ltd. Work Order: 5528 Report: 5468

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	K %	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SR PPM	TA PPM	TH PPM
RX 199091	<0.1	<0.3	0.36	53	17	1.3	0.8	1.0	0.08	0.035	0.05	0.28	<0.1	0.10	<0.05	88.5	<2	2	0.057	0.10	<0.1	<10	<0.05	0.1
RX 199092	0.3	<0.3	0.25	50	13	0.80	0.6	1.0	<0.05	0.033	0.06	0.20	<0.1	0.09	<0.05	79.4	<2	2	0.052	0.10	<0.1	<10	<0.05	<0.1
RX 199093	<0.1	<0.3	0.19	49	11	1.1	0.5	0.7	<0.05	0.020	<0.05	0.15	<0.1	0.05	<0.05	56.8	<2	1	0.037	0.06	<0.1	20	<0.05	<0.1
RX 199094	<0.1	<0.3	0.22	15	8.5	0.51	0.5	0.9	0.06	0.034	<0.05	0.19	<0.1	0.06	0.06	82.7	<2	2	0.053	0.10	0.1	15	<0.05	<0.1
RX 199095	0.2	<0.3	0.55	49	21	0.68	0.6	1.3	0.06	0.041	0.08	0.29	<0.1	0.09	<0.05	109	<2	2	0.073	0.13	0.2	<10	<0.05	<0.1
RX 199096	<0.1	<0.3	0.45	53	20	1.0	0.6	1.4	0.09	0.052	0.08	0.32	<0.1	0.10	<0.05	132	<2	2	0.075	0.17	0.4	<10	<0.05	0.1
RX 199097	<0.1	<0.3	0.36	67	9.6	0.69	0.4	0.7	<0.05	0.029	0.07	0.20	<0.1	0.09	<0.05	78.0	<2	1	0.051	0.09	0.1	20	<0.05	<0.1
RX 199098	0.2	<0.3	0.36	42	13	0.61	0.6	1.0	0.09	0.034	0.06	0.19	<0.1	0.09	0.06	87.4	<2	2	0.054	0.11	0.2	<10	<0.05	<0.1
RX 199099	<0.1	<0.3	0.50	52	16	1.0	0.4	1.0	0.09	0.037	0.08	0.31	<0.1	0.11	<0.05	107	<2	2	0.070	0.13	0.1	<10	<0.05	<0.1
RX 199100	<0.1	<0.3	0.34	61	19	1.3	0.6	0.9	0.09	0.038	0.06	0.30	<0.1	0.16	0.12	91.2	<2	3	0.064	0.12	<0.1	22	<0.05	<0.1
RX 199101	0.2	<0.3	0.39	39	17	0.96	0.5	1.1	0.09	0.043	0.05	0.31	<0.1	0.08	<0.05	104	<2	2	0.071	0.13	0.2	20	<0.05	0.1
RX 199102	<0.1	<0.3	0.77	62	23	0.84	0.8	1.7	0.19	0.072	0.14	0.48	<0.1	0.16	<0.05	199	<2	3	0.120	0.25	0.2	<10	<0.05	0.2
RX 199103	0.2	<0.3	0.43	60	21	0.98	0.6	0.9	0.07	0.064	0.07	0.44	<0.1	0.08	<0.05	105	<2	3	0.086	0.13	<0.1	<10	<0.05	0.1
RX 199104	<0.1	<0.3	0.44	71	21	1.6	0.6	1.1	0.09	0.039	0.07	0.29	<0.1	0.09	<0.05	104	<2	3	0.074	0.12	<0.1	21	<0.05	0.1
RX 199105	0.3	<0.3	0.19	55	11	2.1	0.4	0.6	<0.05	0.012	<0.05	0.13	<0.1	0.05	<0.05	45.6	<2	<1	0.031	0.03	<0.1	<10	<0.05	<0.1
RX 199106	0.2	<0.3	0.24	25	8.7	0.49	0.4	0.5	0.08	0.022	<0.05	0.19	<0.1	0.08	<0.05	50.4	<2	3	0.051	0.06	<0.1	<10	<0.05	<0.1
RX 199107	<0.1	<0.3	0.25	17	8.4	0.55	0.4	0.7	0.09	0.028	<0.05	0.17	<0.1	0.07	<0.05	66.3	<2	3	0.045	0.08	0.1	<10	<0.05	<0.1
RX 199108	<0.1	<0.3	0.22	19	7.8	0.37	0.4	0.6	0.12	0.022	<0.05	0.24	<0.1	0.05	0.07	52.7	<2	2	0.042	0.06	<0.1	<10	<0.05	<0.1
RX 199109	<0.1	<0.3	0.28	170	14	0.73	0.7	0.4	0.16	0.019	0.07	0.23	<0.1	0.07	<0.05	58.4	<2	3	0.032	0.05	<0.1	13	<0.05	<0.1
RX 199110	0.2	<0.3	0.21	68	9.7	0.65	0.5	0.4	0.09	0.017	<0.05	0.13	<0.1	0.06	<0.05	43.2	<2	2	0.031	0.05	<0.1	<10	<0.05	<0.1
RX 199111	<0.1	<0.3	0.30	100	12	0.80	0.5	0.4	<0.05	0.018	0.06	0.17	<0.1	0.08	<0.05	61.9	<2	2	0.046	0.05	<0.1	<10	<0.05	<0.1
RX 199112	<0.1	<0.3	0.21	63	13	0.54	0.6	0.6	0.06	0.019	0.05	0.16	<0.1	0.07	<0.05	55.4	<2	2	0.038	0.06	<0.1	<10	<0.05	<0.1
RX 199113	<0.1	<0.3	0.23	71	12	0.83	0.5	0.6	<0.05	0.020	<0.05	0.16	<0.1	0.06	<0.05	53.2	<2	1	0.039	0.06	<0.1	21	<0.05	<0.1
RX 199114	<0.1	<0.3	0.31	53	15	0.67	0.6	0.8	0.06	0.029	0.05	0.15	<0.1	0.09	<0.05	82.7	<2	1	0.040	0.09	<0.1	<10	<0.05	<0.1
RX 199115	<0.1	<0.3	0.20	77	8.4	0.73	0.4	0.6	0.06	0.018	<0.05	0.10	<0.1	0.05	<0.05	46.7	<2	1	0.032	0.06	<0.1	11	<0.05	<0.1
RX 199116	<0.1	<0.3	0.21	59	11	0.81	0.5	0.4	0.08	0.014	<0.05	0.15	<0.1	0.08	<0.05	47.7	<2	1	0.031	0.04	<0.1	<10	<0.05	<0.1
RX 199117	<0.1	<0.3	0.15	76	9.3	0.87	0.4	0.4	0.06	0.015	<0.05	0.10	<0.1	0.06	<0.05	45.9	<2	3	0.022	0.05	<0.1	<10	<0.05	<0.1
RX 199118	<0.1	<0.3	0.09	29	6.2	0.68	0.3	<0.3	0.06	0.009	<0.05	0.10	<0.1	0.06	<0.05	37.4	<2	4	0.010	0.02	<0.1	<10	<0.05	<0.1
RX 199119	<0.1	<0.3	0.29	48	12	0.75	0.5	0.6	0.09	0.023	<0.05	0.15	<0.1	0.08	<0.05	70.6	<2	2	0.035	0.07	<0.1	25	<0.05	<0.1
RX 199120	<0.1	<0.3	0.18	51	11	0.67	0.4	0.5	<0.05	0.015	<0.05	0.08	<0.1	0.06	<0.05	56.6	<2	<1	0.026	0.04	<0.1	30	<0.05	<0.1
RX 199121	0.3	<0.3	0.46	50	14	0.99	0.4	1.1	0.10	0.042	0.07	0.22	<0.1	0.13	<0.05	125	<2	2	0.070	0.14	<0.1	30	<0.05	<0.1
RX 199122	0.3	<0.3	0.20	47	9.0	0.75	0.4	0.6	<0.05	0.020	<0.05	0.09	<0.1	0.05	<0.05	60.2	<2	1	0.031	0.06	0.1	14	<0.05	<0.1
RX 199123	0.3	<0.3	0.34	57	12	0.61	0.5	0.9	0.08	0.035	0.06	0.18	<0.1	0.09	<0.05	129	<2	2	0.067	0.11	0.2	<10	<0.05	<0.1
RX 199124	<0.1	<0.3	0.23	68	12	0.89	0.5	0.9	<0.05	0.027	<0.05	0.13	<0.1	0.07	<0.05	73.7	<2	<1	0.040	0.08	0.1	16	<0.05	<0.1
RX 199125	0.1	<0.3	0.26	54	10	0.89	0.4	0.7	<0.05	0.024	<0.05	0.09	<0.1	0.07	<0.05	73.8	<2	1	0.043	0.07	<0.1	17	<0.05	<0.1
RX 199126	0.2	<0.3	0.16	55	8.9	0.94	0.4	0.6	0.06	0.020	<0.05	0.08	<0.1	0.07	<0.05	56.7	<2	1	0.029	0.06	<0.1	24	<0.05	<0.1
RX 199127	<0.1	<0.3	0.18	64	7.5	0.61	0.4	0.8	0.06	0.027	0.06	0.07	<0.1	0.07	<0.05	71.1	<2	2	0.033	0.08	0.1	<10	<0.05	<0.1
RX 199128	<0.1	<0.3	0.09	55	3.8	0.70	0.2	0.4	<0.05	0.011	<0.05	0.09	<0.1	0.06	<0.05	34.7	<2	<1	0.015	0.04	<0.1	12	<0.05	<0.1
RX 199129	<0.1	<0.3	0.10	79	6.1	0.61	0.3	<0.3	<0.05	0.012	<0.05	0.06	<0.1	0.08	<0.05	42.3	<2	1	0.015	0.04	0.1	22	<0.05	<0.1
RX 199130	<0.1	<0.3	0.07	29	5.9	0.36	0.3	0.5	<0.05	0.013	<0.05	0.06	<0.1	0.07	<0.05	37.5	<2	1	0.015	0.04	<0.1	<10	<0.05	<0.1
RX 199131	<0.1	<0.3	0.06	36	4.4	0.38	0.2	0.3	<0.05	0.010	<0.05	0.06	<0.1	0.05	<0.05	26.4	<2	1	0.012	0.03	0.1	<10	<0.05	<0.1
RX 199132	<0.1	<0.3	0.17	110	7.5	1.6	0.4	0.4	<0.05	0.014	<0.05	0.09	<0.1	0.09	<0.05	41.7	<2	2	0.022	0.04	<0.1	20	<0.05	<0.1
RX 199133	<0.1	<0.3	0.14	58	8.2	0.80	0.4	0.4	<0.05	0.013	<0.05	0.10	<0.1	0.06	<0.05	37.8	<2	<1	0.022	0.04	<0.1	<10	<0.05	<0.1
RX 199134	0.2	<0.3	0.14	32	9.4	0.91	0.4	0.6	<0.05	0.020	<0.05	0.08	<0.1	0.05	<0.05	45.7	<2	<1	0.024	0.05	<0.1	<10	<0.05	<0.1
RX 199135	0.4	<0.3	0.18	41	10	0.95	0.4	0.7	<0.05	0.022	<0.05	0.08	<0.1	0.07	<0.05	52.2	<2	1	0.038	0.06	<0.1	18	<0.05	<0.1

Activation Laboratories Ltd. Work Order: 5528 Report: 5468

Sample description	AU PPB	AG PPM	AS PPM	BA PPM	BR PPM	CA %	CO PPM	CR PPM	CS PPM	FE %	HF PPM	HG PPM	IR PPB	K %	MO PPM	NA PPM	NI PPM	RB PPM	SB PPM	SC PPM	SE PPM	SR PPM	TA PPM	TH PPM
RX 199136	<0.1	<0.3	0.15	91	7.8	0.68	0.4	0.4	0.05	0.014	<0.05	0.14	<0.1	0.07	<0.05	39.7	<2	2	0.024	0.04	<0.1	18	<0.05	<0.1
RX 199137	3.9	<0.3	0.12	120	8.6	0.96	0.4	0.4	<0.05	0.015	<0.05	0.10	<0.1	0.08	0.06	46.0	<2	2	0.022	0.05	<0.1	<10	<0.05	<0.1
RX 199138	1.6	<0.3	0.15	61	8.5	0.58	0.4	0.6	<0.05	0.025	<0.05	0.09	<0.1	0.06	<0.05	62.7	<2	1	0.029	0.07	<0.1	<10	<0.05	<0.1
RX 199139	0.5	<0.3	0.17	36	6.6	0.48	0.3	0.9	0.05	0.025	<0.05	0.08	<0.1	0.06	<0.05	60.4	<2	<1	0.027	0.07	<0.1	<10	<0.05	<0.1
RX 199140	0.7	<0.3	0.14	28	6.0	0.53	0.3	0.8	<0.05	0.022	<0.05	0.08	<0.1	0.06	<0.05	56.9	<2	1	0.026	0.07	<0.1	<10	<0.05	<0.1
RX 199141	0.7	<0.3	0.20	44	9.7	0.58	0.4	0.9	<0.05	0.028	<0.05	0.10	<0.1	0.08	<0.05	73.3	<2	1	0.033	0.09	<0.1	<10	<0.05	<0.1
RX 199142	0.2	<0.3	0.21	34	8.5	0.56	0.4	0.7	<0.05	0.027	<0.05	0.09	<0.1	0.06	<0.05	61.5	<2	1	0.035	0.08	0.1	<10	<0.05	<0.1
RX 199143	0.3	<0.3	0.15	49	8.2	0.70	0.3	0.7	<0.05	0.017	<0.05	0.06	<0.1	0.06	0.05	51.2	<2	<1	0.024	0.05	<0.1	<10	<0.05	<0.1
RX 199144	<0.1	<0.3	0.16	52	7.2	1.4	0.3	0.5	<0.05	0.013	<0.05	0.09	<0.1	0.06	<0.05	46.6	<2	<1	0.015	0.04	0.2	34	<0.05	<0.1
RX 199145	0.2	<0.3	0.09	61	4.2	1.2	0.2	0.3	<0.05	0.008	<0.05	0.11	<0.1	0.07	<0.05	27.9	<2	<1	0.016	0.02	<0.1	35	<0.05	<0.1
RX 199146	0.3	<0.3	0.22	57	12	0.75	0.5	0.8	0.10	0.020	<0.05	<0.05	<0.1	0.08	<0.05	57.6	<2	1	0.032	0.07	<0.1	33	<0.05	<0.1
RX 199147	0.3	<0.3	0.23	31	9.9	0.80	0.4	0.8	0.05	0.019	<0.05	0.08	<0.1	0.08	0.07	61.2	<2	1	0.030	0.07	<0.1	<10	<0.05	<0.1
RX 199148	0.3	<0.3	0.25	27	9.8	0.64	0.4	0.8	<0.05	0.025	<0.05	0.09	<0.1	0.07	<0.05	61.2	<2	<1	0.033	0.08	0.2	<10	<0.05	<0.1
RX 199149	0.5	<0.3	0.10	34	6.4	0.53	0.3	0.6	<0.05	0.015	<0.05	0.08	<0.1	0.06	<0.05	42.7	<2	<1	0.017	0.05	<0.1	<10	<0.05	<0.1
RX 199150	0.3	<0.3	0.16	31	6.7	0.48	0.3	0.7	0.05	0.043	<0.05	0.05	<0.1	0.09	<0.05	60.1	<2	1	0.026	0.08	0.2	<10	<0.05	<0.1
RX 199151	<0.1	<0.3	0.14	16	5.3	0.48	0.3	0.7	<0.05	0.017	<0.05	<0.05	<0.1	<0.05	<0.05	44.3	<2	<1	0.019	0.05	<0.1	<10	<0.05	<0.1
RX 199152	0.3	<0.3	0.31	51	12	0.89	0.5	0.9	<0.05	0.027	<0.05	0.08	<0.1	0.09	0.08	74.2	<2	1	0.047	0.09	0.2	<10	<0.05	<0.1
RX 199153	0.1	<0.3	0.12	27	3.9	0.92	0.2	0.6	<0.05	0.013	<0.05	<0.05	<0.1	0.05	<0.05	53.4	<2	<1	0.019	0.04	<0.1	13	<0.05	<0.1
RX 199154	0.3	<0.3	0.13	21	6.4	0.57	0.3	0.3	<0.05	0.010	<0.05	<0.05	<0.1	<0.05	<0.05	34.8	<2	<1	0.017	0.03	<0.1	<10	<0.05	<0.1
RX 199155	0.2	<0.3	0.25	42	12	0.54	0.5	0.6	<0.05	0.021	<0.05	0.13	<0.1	0.05	0.06	62.6	<2	<1	0.043	0.07	0.2	19	<0.05	<0.1
RX 199156	<0.1	<0.3	0.16	48	5.9	0.89	0.2	0.9	<0.05	0.015	<0.05	0.09	<0.1	<0.05	0.05	70.9	<2	<1	0.024	0.05	<0.1	<10	<0.05	<0.1
RX 199157	<0.1	<0.3	0.24	45	8.2	0.78	0.3	0.8	<0.05	0.015	<0.05	0.05	<0.1	0.06	<0.05	73.4	3	1	0.025	0.05	<0.1	24	<0.05	<0.1
RX 199158	<0.1	<0.3	0.24	29	9.4	0.73	0.3	0.6	<0.05	0.016	<0.05	<0.05	<0.1	0.05	<0.05	52.4	<2	1	0.030	0.05	<0.1	<10	<0.05	<0.1
RX 199159	<0.1	<0.3	0.17	31	6.1	0.66	0.2	0.5	0.06	0.016	<0.05	<0.05	<0.1	<0.05	<0.05	41.8	<2	<1	0.023	0.05	<0.1	<10	<0.05	<0.1
RX 199160	<0.1	<0.3	0.07	53	4.4	0.87	0.2	0.3	<0.05	0.006	<0.05	<0.05	<0.1	<0.05	<0.05	26.2	<2	<1	0.011	0.02	<0.1	23	<0.05	<0.1
RX 199161	<0.1	<0.3	0.12	49	5.0	1.0	0.2	0.6	<0.05	0.013	<0.05	<0.05	<0.1	<0.05	<0.05	55.9	<2	<1	0.021	0.04	0.2	<10	<0.05	<0.1
RX 199162	<0.1	<0.3	0.12	40	5.1	0.97	0.2	0.3	<0.05	0.008	<0.05	<0.05	<0.1	0.05	<0.05	36.5	<2	<1	0.018	0.03	<0.1	<10	<0.05	<0.1
RX 199163	<0.1	<0.3	0.14	56	6.9	0.95	0.3	0.8	<0.05	0.013	<0.05	<0.05	<0.1	0.05	<0.05	42.7	<2	<1	0.023	0.04	<0.1	<10	<0.05	<0.1
RX 199164	<0.1	<0.3	0.14	32	5.9	0.54	0.2	0.4	<0.05	0.010	<0.05	<0.05	<0.1	0.05	<0.05	42.9	<2	<1	0.018	0.04	<0.1	<10	<0.05	<0.1
RX 199165	<0.1	<0.3	0.22	47	9.6	0.56	0.3	0.6	<0.05	0.016	<0.05	0.06	<0.1	0.06	0.06	52.2	4	1	0.028	0.05	<0.1	<10	<0.05	<0.1
RX 199166	<0.1	<0.3	0.22	57	8.8	0.97	0.3	0.8	<0.05	0.016	<0.05	<0.05	<0.1	<0.05	<0.05	40.0	<2	<1	0.033	0.05	<0.1	<10	<0.05	<0.1
RX 199167	0.6	<0.3	0.17	47	6.7	0.70	0.3	0.6	<0.05	0.016	<0.05	<0.05	<0.1	<0.05	<0.05	43.6	<2	<1	0.023	0.06	<0.1	<10	<0.05	<0.1
RX 199168	0.2	<0.3	0.16	29	7.1	0.92	0.2	0.6	<0.05	0.015	<0.05	<0.05	<0.1	<0.05	<0.05	42.4	3	<1	0.025	0.05	<0.1	17	<0.05	<0.1
RX 199169	<0.1	<0.3	0.15	71	6.0	0.83	0.3	0.9	<0.05	0.014	<0.05	<0.05	<0.1	<0.05	<0.05	61.0	3	1	0.023	0.04	<0.1	22	<0.05	<0.1
RX 199170	0.6	<0.3	0.16	78	5.0	0.89	0.3	1.2	<0.05	0.020	<0.05	<0.05	<0.1	0.05	<0.05	67.9	<2	1	0.038	0.06	<0.1	19	<0.05	<0.1
RX 199171	0.5	<0.3	0.10	60	2.6	1.0	0.1	1.1	<0.05	0.017	<0.05	<0.05	<0.1	<0.05	<0.05	52.2	<2	<1	0.028	0.05	0.1	19	<0.05	<0.1
RX 199172	0.3	<0.3	0.09	48	2.0	0.85	0.1	1.1	<0.05	0.016	<0.05	<0.05	<0.1	<0.05	<0.05	50.6	<2	<1	0.027	0.04	<0.1	17	<0.05	<0.1
RX 199173	<0.1	<0.3	0.17	30	7.2	0.82	0.3	0.7	0.05	0.019	<0.05	<0.05	<0.1	<0.05	<0.05	61.2	<2	<1	0.028	0.06	<0.1	<10	<0.05	<0.1

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Sample description	U PPM	W PPM	ZN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	CU PPM	Mass g
RX 199001	<0.01	<0.05	46	0.12	<0.3	<0.5	0.02	<0.05	<0.1	0.014	0.002	0.9	15.57
RX 199002	<0.01	<0.05	24	0.15	0.3	<0.5	0.02	<0.05	<0.1	0.015	0.002	0.9	15.79
RX 199003	<0.01	<0.05	43	0.14	<0.3	<0.5	0.02	<0.05	<0.1	0.014	0.002	1.3	15.23
RX 199004	<0.01	<0.05	37	0.12	<0.3	<0.5	0.01	<0.05	<0.1	0.013	0.002	1.0	15.82
RX 199005	<0.01	<0.05	27	0.12	<0.3	<0.5	0.02	<0.05	<0.1	0.011	0.002	1.3	15.54
RX 199006	<0.01	<0.05	57	0.08	<0.3	<0.5	0.01	<0.05	<0.1	0.010	<0.001	1.7	15.54
RX 199007	0.02	<0.05	43	0.11	<0.3	<0.5	0.01	<0.05	<0.1	0.010	0.001	1.2	15.39
RX 199008	0.03	<0.05	52	0.29	0.6	<0.5	0.04	<0.05	<0.1	0.028	0.004	1.9	15.47
RX 199009	<0.01	<0.05	55	0.37	0.7	<0.5	0.05	<0.05	<0.1	0.027	0.005	2.1	15.23
RX 199010	<0.01	<0.05	55	0.31	0.6	<0.5	0.04	<0.05	<0.1	0.026	0.004	2.2	15.12
RX 199011	0.03	<0.05	58	0.30	0.6	<0.5	0.04	<0.05	<0.1	0.025	0.004	0.7	15.71
RX 199012	<0.01	<0.05	46	0.19	0.4	<0.5	0.03	<0.05	<0.1	0.019	0.003	1.4	15.45
RX 199013	<0.01	<0.05	40	0.14	<0.3	<0.5	0.02	<0.05	<0.1	0.011	<0.001	2.2	15.38
RX 199014	<0.01	<0.05	45	0.11	<0.3	<0.5	0.01	<0.05	<0.1	0.012	0.001	1.4	15.07
RX 199015	<0.01	<0.05	44	0.17	<0.3	<0.5	0.02	<0.05	<0.1	0.014	0.003	1.1	15.46
RX 199016	<0.01	<0.05	44	0.14	0.3	<0.5	0.02	<0.05	<0.1	0.014	0.003	1.6	15.04
RX 199017	<0.01	<0.05	65	0.18	0.4	<0.5	0.02	<0.05	<0.1	0.014	0.002	1.0	15.15
RX 199018	<0.01	<0.05	23	0.15	<0.3	<0.5	0.02	<0.05	<0.1	0.013	0.002	1.1	15.58
RX 199019	<0.01	<0.05	36	0.21	0.4	<0.5	0.03	<0.05	<0.1	0.021	0.002	1.3	15.18
RX 199020	<0.01	<0.05	40	0.13	<0.3	<0.5	0.02	<0.05	<0.1	0.012	0.001	1.3	15.17
RX 199021	<0.01	<0.05	56	0.14	<0.3	<0.5	0.02	<0.05	<0.1	0.016	0.002	1.6	15.37
RX 199022	<0.01	<0.05	45	0.19	0.3	<0.5	0.03	<0.05	<0.1	0.016	0.002	1.0	15.52
RX 199023	<0.01	<0.05	60	0.20	0.4	<0.5	0.03	<0.05	<0.1	0.018	0.002	1.9	15.81
RX 199024	<0.01	<0.05	56	0.31	0.6	<0.5	0.04	<0.05	<0.1	0.024	0.004	1.8	15.65
RX 199025	0.04	<0.05	53	0.43	0.8	<0.5	0.05	<0.05	<0.1	0.033	0.005	2.1	15.25
RX 199026	<0.01	<0.05	52	0.18	0.3	<0.5	0.02	<0.05	<0.1	0.018	0.002	2.2	15.48
RX 199027	<0.01	<0.05	45	0.16	0.4	<0.5	0.02	<0.05	<0.1	0.015	0.003	1.4	15.15
RX 199028	<0.01	<0.05	44	0.14	0.3	<0.5	0.02	<0.05	<0.1	0.015	0.002	1.1	15.29
RX 199029	<0.01	<0.05	49	0.26	0.5	<0.5	0.04	<0.05	<0.1	0.025	0.003	1.5	15.21
RX 199030	<0.01	<0.05	40	0.15	<0.3	<0.5	0.02	<0.05	<0.1	0.018	0.001	2.9	15.46
RX 199031	<0.01	<0.05	36	0.14	0.3	<0.5	0.02	<0.05	<0.1	0.013	0.002	1.3	15.68
RX 199032	<0.01	<0.05	48	0.39	0.8	<0.5	0.05	<0.05	<0.1	0.034	0.005	2.2	15.56
RX 199033	<0.01	<0.05	55	0.21	0.4	<0.5	0.03	<0.05	<0.1	0.021	0.002	0.9	15.26
RX 199034	<0.01	<0.05	37	0.20	0.4	<0.5	0.03	<0.05	<0.1	0.020	0.002	1.6	15.27
RX 199035	<0.01	<0.05	51	0.23	0.4	<0.5	0.03	<0.05	<0.1	0.021	0.002	1.2	15.62
RX 199036	<0.01	<0.05	53	0.32	0.6	<0.5	0.04	<0.05	<0.1	0.027	0.003	1.7	15.39
RX 199037	<0.01	<0.05	46	0.26	0.5	<0.5	0.03	<0.05	<0.1	0.023	0.003	1.4	15.69
RX 199038	<0.01	<0.05	52	0.32	0.6	<0.5	0.04	<0.05	<0.1	0.028	0.004	2.2	15.13
RX 199039	0.03	<0.05	35	0.23	0.4	<0.5	0.03	<0.05	<0.1	0.022	0.003	2.0	15.28
RX 199040	0.03	<0.05	56	0.30	0.6	<0.5	0.04	<0.05	<0.1	0.022	0.003	1.9	15.23
RX 199041	0.01	<0.05	56	0.16	0.3	<0.5	0.02	<0.05	<0.1	0.011	0.002	1.1	15.11
RX 199042	<0.01	<0.05	56	0.21	0.4	<0.5	0.03	<0.05	<0.1	0.017	0.003	1.5	15.12
RX 199043	<0.01	<0.05	64	0.19	0.4	<0.5	0.03	<0.05	<0.1	0.017	0.002	1.2	15.48
RX 199044	<0.01	<0.05	56	0.13	<0.3	<0.5	0.02	<0.05	<0.1	0.013	0.001	0.8	15.86
RX 199045	<0.01	<0.05	28	0.17	0.3	<0.5	0.02	<0.05	<0.1	0.014	0.002	0.9	15.03

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Sample description	U PPM	W PPM	SN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	CU PPM	Mass G
RX 199046	<0.01	<0.05	47	0.10	<0.3	<0.5	0.01	<0.05	<0.1	0.005	0.001	1.0	15.12
RX 199047	<0.01	<0.05	49	0.17	0.3	<0.5	0.02	<0.05	<0.1	0.013	0.002	0.9	15.23
RX 199048	0.02	<0.05	39	0.18	0.3	<0.5	0.02	<0.05	<0.1	0.019	0.003	1.9	15.42
RX 199049	0.03	<0.05	43	0.28	0.7	<0.5	0.05	<0.05	<0.1	0.034	0.004	2.8	15.32
RX 199050	<0.01	<0.05	54	0.39	0.8	<0.5	0.05	<0.05	<0.1	0.032	0.005	2.3	15.61
RX 199051	<0.01	<0.05	50	0.24	0.5	<0.5	0.03	<0.05	<0.1	0.017	0.003	2.8	15.18
RX 199052	<0.01	<0.05	50	0.31	0.6	<0.5	0.04	<0.05	<0.1	0.028	0.004	3.1	15.75
RX 199053	<0.01	<0.05	51	0.45	0.9	<0.5	0.06	<0.05	<0.1	0.036	0.006	2.8	15.17
RX 199054	<0.01	<0.05	45	0.27	0.5	<0.5	0.04	<0.05	<0.1	0.020	0.002	1.5	15.05
RX 199055	<0.01	<0.05	57	0.37	0.7	<0.5	0.05	<0.05	<0.1	0.032	0.003	2.3	15.14
RX 199056	<0.01	<0.05	45	0.40	0.8	<0.5	0.06	<0.05	<0.1	0.037	0.005	2.7	15.64
RX 199057	<0.01	<0.05	36	0.49	0.9	<0.5	0.07	<0.05	<0.1	0.041	0.006	3.1	15.41
RX 199058	<0.01	<0.05	55	0.23	0.5	<0.5	0.03	<0.05	<0.1	0.019	0.002	3.3	15.06
RX 199059	<0.01	<0.05	62	0.29	0.5	<0.5	0.04	<0.05	<0.1	0.026	0.003	2.3	15.14
RX 199060	<0.01	<0.05	51	0.23	0.5	<0.5	0.03	<0.05	<0.1	0.015	0.003	2.6	15.50
RX 199061	<0.01	<0.05	49	0.31	0.6	<0.5	0.04	<0.05	<0.1	0.025	0.004	1.4	15.76
RX 199062	<0.01	<0.05	25	0.08	<0.3	<0.5	0.01	<0.05	<0.1	0.006	<0.001	0.7	15.62
RX 199063	0.03	<0.05	33	0.17	0.3	<0.5	0.02	<0.05	<0.1	0.014	0.002	0.9	15.42
RX 199064	<0.01	<0.05	54	0.18	0.4	<0.5	0.02	<0.05	<0.1	0.019	0.002	1.5	15.62
RX 199065	<0.01	<0.05	49	0.35	0.7	<0.5	0.05	<0.05	<0.1	0.034	0.005	2.8	15.36
RX 199066	0.03	<0.05	49	0.23	0.4	<0.5	0.03	<0.05	<0.1	0.016	0.003	2.4	15.24
RX 199067	0.03	<0.05	50	0.33	0.7	<0.5	0.04	<0.05	<0.1	0.029	0.004	2.4	15.50
RX 199068	<0.01	<0.05	50	0.30	0.6	<0.5	0.04	<0.05	<0.1	0.020	0.004	1.5	15.08
RX 199069	<0.01	<0.05	58	0.28	0.6	<0.5	0.04	<0.05	<0.1	0.019	0.002	2.7	15.47
RX 199070	<0.01	<0.05	62	0.27	0.5	<0.5	0.04	<0.05	<0.1	0.023	0.003	2.3	15.21
RX 199071	0.03	<0.05	62	0.32	0.7	<0.5	0.04	<0.05	<0.1	0.025	0.005	2.9	15.62
RX 199072	<0.01	<0.05	57	0.42	0.8	<0.5	0.05	<0.05	<0.1	0.035	0.005	2.4	15.18
RX 199073	0.05	<0.05	67	0.51	1.0	<0.5	0.07	<0.05	<0.1	0.041	0.006	3.0	15.16
RX 199074	<0.01	<0.05	96	0.31	0.6	<0.5	0.04	<0.05	<0.1	0.024	0.003	3.1	15.65
RX 199075	<0.01	<0.05	68	0.20	0.4	<0.5	0.03	<0.05	<0.1	0.017	0.003	3.1	15.66
RX 199076	<0.01	<0.05	72	0.24	0.5	<0.5	0.03	<0.05	<0.1	0.019	0.003	0.6	15.06
RX 199077	<0.01	<0.05	58	0.47	0.9	<0.5	0.06	<0.05	<0.1	0.042	0.005	3.0	15.56
RX 199078	<0.01	<0.05	71	0.28	0.6	<0.5	0.04	<0.05	<0.1	0.025	0.002	3.2	15.11
RX 199079	<0.01	<0.05	42	0.14	<0.3	<0.5	0.02	<0.05	<0.1	0.009	0.002	2.5	15.49
RX 199080	<0.01	<0.05	40	0.22	0.4	<0.5	0.03	<0.05	<0.1	0.023	0.004	1.3	15.49
RX 199081	<0.01	<0.05	67	0.16	0.3	<0.5	0.02	<0.05	<0.1	0.014	0.002	1.9	15.73
RX 199082	<0.01	<0.05	72	0.22	0.4	<0.5	0.03	<0.05	<0.1	0.016	0.002	2.2	15.32
RX 199083	<0.01	<0.05	76	0.27	0.6	<0.5	0.04	<0.05	<0.1	0.023	0.004	3.2	15.05
RX 199084	<0.01	<0.05	58	0.24	0.4	<0.5	0.03	<0.05	<0.1	0.023	0.002	2.0	15.08
RX 199085	<0.01	<0.05	36	0.30	0.5	<0.5	0.04	<0.05	<0.1	0.026	0.003	1.9	15.79
RX 199086	<0.01	<0.05	38	0.21	0.3	<0.5	0.03	<0.05	<0.1	0.017	0.003	2.1	15.41
RX 199087	<0.01	<0.05	45	0.50	0.9	<0.5	0.06	<0.05	<0.1	0.043	0.005	3.4	15.47
RX 199088	<0.01	<0.05	47	0.41	0.7	<0.5	0.05	<0.05	<0.1	0.032	0.006	3.9	15.52
RX 199089	<0.01	<0.05	50	0.49	0.9	<0.5	0.06	<0.05	<0.1	0.035	0.006	2.7	15.21
RX 199090	0.03	<0.05	41	0.42	0.8	<0.5	0.05	<0.05	<0.1	0.029	0.005	2.8	15.67

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Sample description	U PPM	W PPM	SM PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	CU PPM	Mass g
RX 199091	<0.01	<0.05	51	0.36	0.6	<0.5	0.05	<0.05	<0.1	0.028	0.005	0.8	15.79
RX 199092	<0.01	<0.05	39	0.37	0.6	<0.5	0.05	<0.05	<0.1	0.026	0.004	0.9	15.27
RX 199093	0.02	<0.05	61	0.24	0.4	<0.5	0.03	<0.05	<0.1	0.019	<0.001	2.9	15.31
RX 199094	<0.01	<0.05	32	0.41	0.7	<0.5	0.05	<0.05	<0.1	0.029	0.005	2.3	15.79
RX 199095	<0.01	<0.05	44	0.46	0.8	<0.5	0.06	<0.05	<0.1	0.027	0.006	3.4	15.45
RX 199096	0.04	<0.05	46	0.64	1.0	<0.5	0.08	<0.05	<0.1	0.056	0.009	2.8	15.15
RX 199097	<0.01	<0.05	59	0.33	0.6	<0.5	0.04	<0.05	<0.1	0.022	0.004	3.7	15.33
RX 199098	0.03	<0.05	34	0.37	0.7	<0.5	0.05	<0.05	<0.1	0.033	0.006	1.2	15.09
RX 199099	<0.01	<0.05	43	0.44	0.8	<0.5	0.06	<0.05	<0.1	0.039	0.006	3.9	15.41
RX 199100	<0.01	<0.05	59	0.42	0.7	<0.5	0.06	<0.05	<0.1	0.034	0.006	3.1	15.25
RX 199101	0.05	<0.05	68	0.52	0.8	<0.5	0.06	<0.05	<0.1	0.036	0.006	3.3	15.14
RX 199102	0.08	<0.05	59	0.88	1.5	<0.5	0.11	<0.05	<0.1	0.068	0.014	4.0	15.35
RX 199103	0.04	<0.05	47	0.52	0.9	<0.5	0.07	<0.05	<0.1	0.041	0.007	2.5	15.19
RX 199104	<0.01	<0.05	60	0.45	0.8	<0.5	0.06	<0.05	<0.1	0.028	0.007	1.9	15.23
RX 199105	<0.01	<0.05	53	0.12	<0.3	<0.5	0.02	<0.05	<0.1	0.014	<0.001	2.4	15.33
RX 199106	<0.01	<0.05	26	0.23	0.4	<0.5	0.03	<0.05	<0.1	0.019	0.003	2.6	15.40
RX 199107	0.03	<0.05	34	0.31	0.5	<0.5	0.04	<0.05	<0.1	0.023	0.004	2.9	15.61
RX 199108	<0.01	<0.05	20	0.23	0.4	<0.5	0.03	<0.05	<0.1	0.020	0.002	4.2	15.01
RX 199109	<0.01	<0.05	32	0.18	<0.3	<0.5	0.02	<0.05	<0.1	0.016	0.003	3.9	15.49
RX 199110	<0.01	<0.05	36	0.16	<0.3	<0.5	0.02	<0.05	<0.1	0.012	0.002	3.8	15.47
RX 199111	<0.01	<0.05	50	0.19	0.3	<0.5	0.03	<0.05	<0.1	0.010	0.002	3.2	15.04
RX 199112	<0.01	<0.05	35	0.19	0.3	<0.5	0.03	<0.05	<0.1	0.022	0.002	3.6	15.16
RX 199113	<0.01	<0.05	56	0.21	0.4	<0.5	0.03	<0.05	<0.1	0.019	0.003	3.4	15.29
RX 199114	<0.01	<0.05	49	0.29	0.5	<0.5	0.04	<0.05	<0.1	0.024	0.004	3.0	15.06
RX 199115	<0.01	<0.05	42	0.19	0.4	<0.5	0.03	<0.05	<0.1	0.013	0.002	3.6	15.03
RX 199116	<0.01	<0.05	40	0.13	<0.3	<0.5	0.02	<0.05	<0.1	0.013	0.003	3.2	15.75
RX 199117	<0.01	<0.05	48	0.15	<0.3	<0.5	0.02	<0.05	<0.1	0.009	0.003	5.2	15.58
RX 199118	<0.01	<0.05	29	0.08	<0.3	<0.5	<0.01	<0.05	<0.1	0.009	0.001	4.1	15.11
RX 199119	0.03	<0.05	37	0.20	0.3	<0.5	0.02	<0.05	<0.1	0.018	0.002	3.7	15.21
RX 199120	<0.01	<0.05	53	0.14	<0.3	<0.5	0.02	<0.05	<0.1	0.010	0.002	3.7	15.10
RX 199121	0.04	<0.05	63	0.40	0.6	<0.5	0.06	<0.05	<0.1	0.036	0.007	3.0	15.90
RX 199122	0.02	<0.05	41	0.22	0.4	<0.5	0.03	<0.05	<0.1	0.019	0.003	2.8	15.67
RX 199123	0.02	<0.05	60	0.37	0.7	<0.5	0.05	<0.05	<0.1	0.028	0.005	3.5	15.35
RX 199124	<0.01	<0.05	51	0.31	0.6	<0.5	0.04	<0.05	<0.1	0.024	0.004	3.3	15.13
RX 199125	<0.01	<0.05	55	0.25	0.4	<0.5	0.03	<0.05	<0.1	0.020	0.004	3.4	15.11
RX 199126	<0.01	<0.05	59	0.22	0.4	<0.5	0.03	<0.05	<0.1	0.016	0.003	1.4	15.50
RX 199127	0.02	<0.05	38	0.32	0.5	<0.5	0.04	<0.05	<0.1	0.024	0.004	0.9	15.21
RX 199128	<0.01	<0.05	26	0.12	<0.3	<0.5	0.01	<0.05	<0.1	0.010	0.002	3.7	15.50
RX 199129	<0.01	<0.05	33	0.12	<0.3	<0.5	0.01	<0.05	<0.1	0.013	0.002	3.7	15.14
RX 199130	0.02	<0.05	14	0.12	<0.3	<0.5	0.01	<0.05	<0.1	0.011	0.002	3.4	15.37
RX 199131	0.01	<0.05	13	0.09	<0.3	<0.5	0.01	<0.05	<0.1	0.011	0.001	3.8	15.45
RX 199132	<0.01	<0.05	43	0.16	0.3	<0.5	0.02	<0.05	<0.1	0.013	0.003	2.7	15.05
RX 199133	<0.01	<0.05	45	0.12	<0.3	<0.5	0.02	<0.05	<0.1	0.010	<0.001	3.9	15.55
RX 199134	<0.01	<0.05	54	0.20	0.3	<0.5	0.03	<0.05	<0.1	0.016	0.003	3.7	15.13
RX 199135	<0.01	<0.05	74	0.24	0.4	<0.5	0.03	<0.05	<0.1	0.016	0.003	3.7	15.11

Activation Laboratories Ltd. Work Order: 5528 Report: 5468

Sample description	U PPM	W PPM	SN PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	TB PPM	YB PPM	LU PPM	CU PPM	Mass g
RX 199136	<0.01	<0.05	45	0.14	<0.3	<0.5	0.02	<0.05	<0.1	0.011	0.001	3.1	15.10
RX 199137	<0.01	<0.05	48	0.15	<0.3	<0.5	0.02	<0.05	<0.1	0.015	0.003	1.0	15.18
RX 199138	0.02	<0.05	39	0.25	0.4	<0.5	0.03	<0.05	<0.1	0.016	0.003	3.5	15.84
RX 199139	<0.01	<0.05	51	0.24	0.4	<0.5	0.03	<0.05	<0.1	0.016	0.003	1.7	15.71
RX 199140	<0.01	<0.05	44	0.24	0.4	<0.5	0.03	<0.05	<0.1	0.018	0.003	3.3	15.49
RX 199141	<0.01	<0.05	42	0.28	0.5	<0.5	0.04	<0.05	<0.1	0.022	0.004	2.7	15.13
RX 199142	0.02	<0.05	48	0.28	0.5	<0.5	0.04	<0.05	<0.1	0.021	0.004	2.7	15.47
RX 199143	<0.01	<0.05	49	0.19	<0.3	<0.5	0.02	<0.05	<0.1	0.016	0.003	2.3	15.69
RX 199144	<0.01	<0.05	44	0.13	<0.3	<0.5	0.02	<0.05	<0.1	0.012	0.002	2.1	15.51
RX 199145	<0.01	<0.05	78	0.08	<0.3	<0.5	0.01	<0.05	<0.1	0.009	0.001	1.9	15.42
RX 199146	<0.01	<0.05	46	0.20	0.4	<0.5	0.03	<0.05	<0.1	0.016	0.003	1.4	15.56
RX 199147	<0.01	<0.05	35	0.21	0.5	<0.5	0.03	<0.05	<0.1	0.019	0.004	2.1	15.06
RX 199148	0.02	<0.05	39	0.24	0.5	<0.5	0.03	<0.05	<0.1	0.016	0.004	2.2	15.21
RX 199149	<0.01	<0.05	32	0.13	<0.3	<0.5	0.02	<0.05	<0.1	0.010	0.001	2.4	15.45
RX 199150	0.02	<0.05	30	0.21	0.5	1.0	0.03	<0.05	<0.1	0.017	0.003	2.5	15.27
RX 199151	<0.01	<0.05	32	0.15	0.3	<0.5	0.02	<0.05	<0.1	0.014	0.002	3.0	15.06
RX 199152	<0.01	<0.05	47	0.27	0.6	<0.5	0.04	<0.05	<0.1	0.020	0.004	3.5	15.49
RX 199153	0.02	<0.05	44	0.31	0.5	<0.5	0.03	<0.05	<0.1	0.012	0.002	3.8	15.22
RX 199154	<0.01	<0.05	33	0.10	<0.3	0.6	0.01	<0.05	<0.1	0.007	0.002	3.1	15.12
RX 199155	<0.01	<0.05	38	0.21	0.4	<0.5	0.03	<0.05	<0.1	0.015	0.004	2.7	15.38
RX 199156	<0.01	<0.05	47	0.22	0.4	0.9	0.03	<0.05	<0.1	0.010	0.003	2.1	15.12
RX 199157	<0.01	<0.05	57	0.18	0.3	1.1	0.02	<0.05	<0.1	0.013	0.003	2.3	15.00
RX 199158	<0.01	<0.05	43	0.15	0.3	<0.5	0.02	<0.05	<0.1	0.009	0.003	2.0	15.12
RX 199159	<0.01	<0.05	40	0.16	<0.3	<0.5	0.02	<0.05	<0.1	0.015	0.002	2.1	15.30
RX 199160	<0.01	<0.05	48	0.07	<0.3	<0.5	0.01	<0.05	<0.1	<0.005	0.002	1.7	15.58
RX 199161	<0.01	<0.05	45	0.15	0.3	0.7	0.02	<0.05	<0.1	0.010	0.002	2.4	15.33
RX 199162	<0.01	<0.05	45	0.09	<0.3	<0.5	0.01	<0.05	<0.1	<0.005	0.002	2.5	15.06
RX 199163	<0.01	<0.05	47	0.13	<0.3	<0.5	0.02	<0.05	<0.1	0.007	0.003	2.1	15.26
RX 199164	<0.01	<0.05	36	0.11	<0.3	<0.5	0.01	<0.05	<0.1	0.009	0.002	1.5	15.22
RX 199165	<0.01	<0.05	45	0.16	0.3	<0.5	0.02	<0.05	<0.1	0.017	0.004	3.3	15.52
RX 199166	<0.01	<0.05	39	0.17	0.3	<0.5	0.02	<0.05	<0.1	0.008	0.004	2.8	15.26
RX 199167	<0.01	<0.05	42	0.17	0.3	<0.5	0.03	<0.05	<0.1	0.013	0.002	3.1	15.31
RX 199168	<0.01	<0.05	40	0.15	<0.3	<0.5	0.02	<0.05	<0.1	0.010	0.002	2.2	15.54
RX 199169	<0.01	<0.05	52	0.14	<0.3	<0.5	0.02	<0.05	<0.1	0.009	0.002	2.1	15.19
RX 199170	0.02	<0.05	68	0.19	0.4	<0.5	0.03	<0.05	<0.1	0.013	0.003	2.5	10.05
RX 199171	<0.01	<0.05	64	0.17	0.3	<0.5	0.03	<0.05	<0.1	0.010	0.002	4.5	15.09
RX 199172	<0.01	<0.05	65	0.15	0.4	<0.5	0.02	<0.05	<0.1	0.010	0.003	2.9	15.06
RX 199173	<0.01	<0.05	43	0.18	0.4	<0.5	0.03	<0.05	<0.1	0.011	0.002	3.1	15.32

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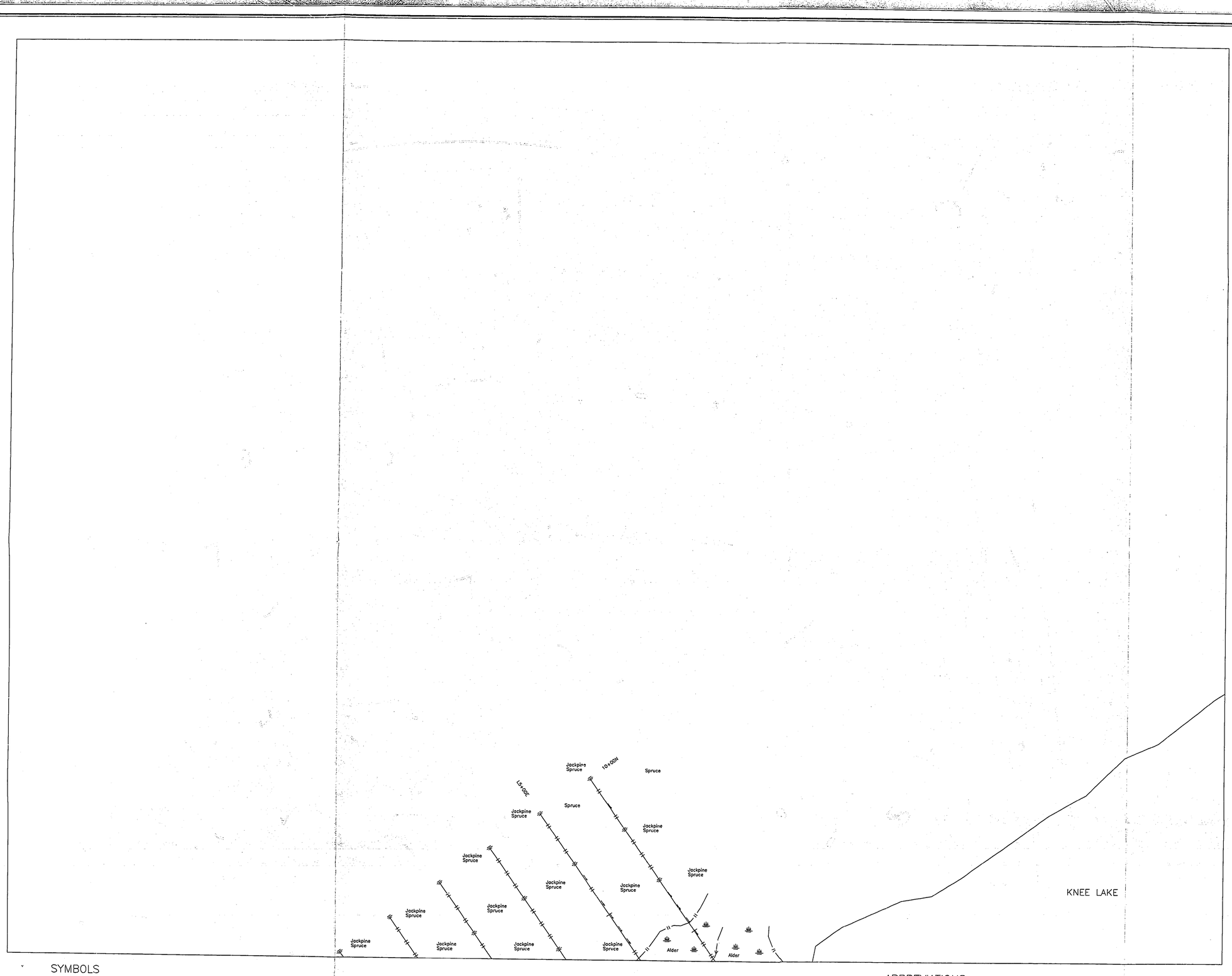


SYMBOLS

- Outcrop (Small, Large, Float)
- Lithologic Contact (Observed, Inferred)
- Slope (None, Weak, Moderate, Steep)
- RX175692 — Sample Location, Number with Assay if > 0.1% Zn, 0.1% Cu or 0.1 g/t Au
- 80 — Trend and Plunge of Mineral Lineation
- 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)
- Strike and Dip of Shear Zone (Vertical, Inclined)
- Strike and Dip of Fractures (Vertical, Inclined)
- Fold Axis (Syncline, Anticline, Overturned Anticline)
- S 80 Z 80 — 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
- Foreign DDH Location, Trench
- River, Creek (showing flow direction)
- Swamp, Beaver Dam

Fe Carb, Ca Carb	Iron carbonate, Calcium carbonate	GB, F, Sc	Graded bedding, Flame Structure, Scour
chlc, sercc	Chloritic, Sericitic	Tr	Trace
silfd, qv	Silicified, Quartz Vein	py, po, goss	Pyrite, Pyrrhotite, Gossan
gar	Garnet	cp, sp, Au	Chalcopyrite, Sphalerite, Gold
wkly, mody, strly	Weakly, Moderately, Strongly	mt, grpt	Magnetite, Graphite

LEGEND

OXFORD LAKE GROUP

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
- e Syenite

9 Intermediate Intrusives
- a Monzonite
- b Diorite
- c Monzodiorite

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

MAYES RIVER GROUP

7 Clastic Sediments
- a Argillite
- b Siltstone

6 Chemical Sediments – Sulphides
- a Chert
- b Chert–Magnetite Iron Formation
- c Chert+Felsic Ash Tuff
- d Chert+Pyrite+Pyrrhotite
- e Massive Pyrite
- f Massive Pyrite+Pyrrhotite

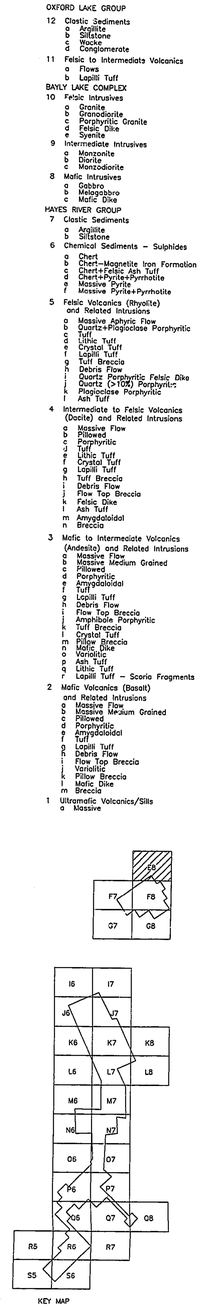
5 Felsic Volcanics (Rhyolite) and Related Intrusions
- a Massive Aphyric Flow
- b Quartz+Plagioclase Porphyritic
- c Tuff
- d Lithic Tuff
- e Crystal Tuff
- f Lapilli Tuff
- g Tuff Breccia
- h Debris Flow
- i Quartz Porphyritic Felsic Dike
- j Quartz (>10%) Porphyritic
- k Plagioclase Porphyritic
- l Ash Tuff

4 Intermediate to Felsic Volcanics (Dacite) and Related Intrusions
- a Massive Flow
- 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
- l Ash Tuff
- m Amygdaloidal
- n Breccia

3 Mafic to Intermediate Volcanics (Andesite) and Related Intrusions
- a Massive Flow
- 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
- o Variolitic
- p Ash Tuff
- q Lithic Tuff
- r Lapilli Tuff – Scoria Fragments

2 Mafic Volcanics (Basalt) and Related Intrusions
- a Massive Flow
- 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
- m Breccia

1 Ultramafic Volcanics/Sills
- a Massive



KEY MAP

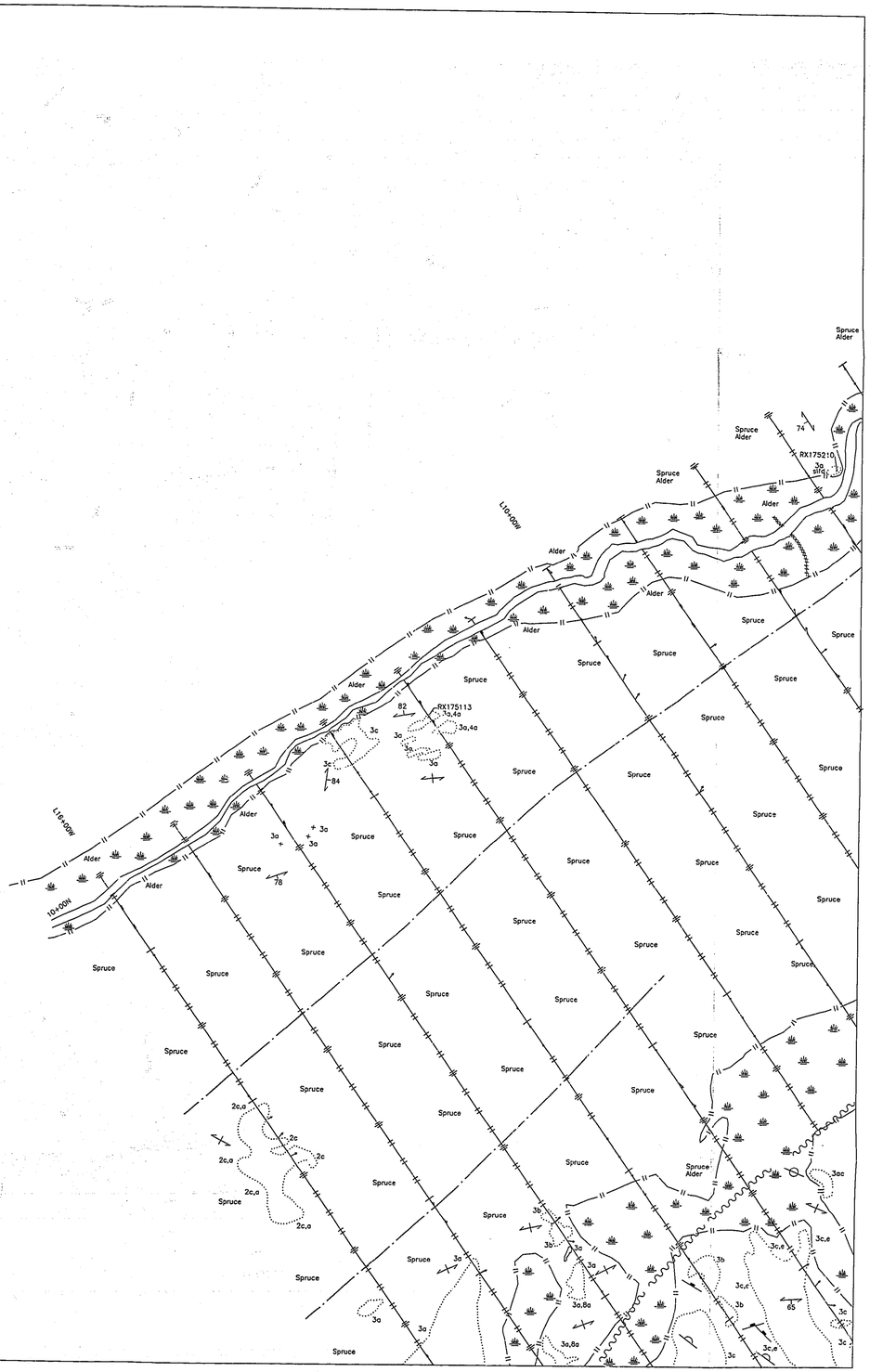
N

0 25 50 75 100 125 150 175 200
METRES

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

Project: Knee Lake	Area: Knee Lake, Manitoba 72752		
GEOLOGICAL SURVEY		SHEET E8	FIGURE
Supervisor: J.J. Hannila	Instrument:	Survey date: 06/93–08/93	
Compiled by: S.J. Mooney	Drawn by: S.J.M.	Date drawn: 04/94	Revised:
Scale: 1:2,500	File: E8.DWG	N.T.S.: 53L/15, 53M/2	

124X



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- c Monzodiorite

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- b Melagabbro
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HAYES RIVER GROUP

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- c Chert+Felsic Ash Tuff
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- e Massive Pyrite
- f Massive Pyrite+Pyrrhotite

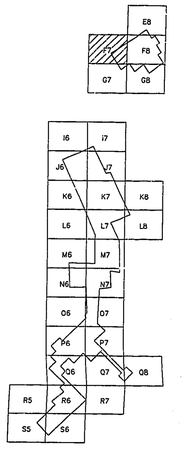
5 Felsic Volcanics (Rhyolite) and Related Intrusions
- a Massive Aphyric Flow
- b Quartz+Plagioclase Porphyritic
- c Tuff
- d Lithic Tuff
- e Crystal Tuff
- f Lapilli Tuff
- g Tuff Breccia
- h Debris Flow
- i Quartz Porphyritic Felsic Dike
- j Quartz (>10%) Porphyritic
- k Plagioclase Porphyritic
- l Ash Tuff

4 Intermediate to Felsic Volcanics (Dacite) and Related Intrusions
- a Massive Flow
- 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
- l Ash Tuff
- m Amygdaloidal
- n Breccia

3 Mafic to Intermediate Volcanics (Andesite) and Related Intrusions
- a Massive Flow
- 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
- o Variolitic
- p Ash Tuff
- q Lithic Tuff
- r Lapilli Tuff – Scoria Fragments

2 Mafic Volcanics (Basalt) and Related Intrusions
- a Massive Flow
- 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
- m Breccia

1 Ultramafic Volcanics/Sills
- a Massive



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- 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)
- Strike and Dip of Shear Zone (Vertical, Inclined)
- Strike and Dip of Fractures (Vertical, Inclined)
- 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
- Foreign DDH Location, Trench
- River, Creek (showing flow direction)
- Swamp, Beaver Dam

ABBREVIATIONS

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

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

Project: Knee Lake		Area: Knee Lake, Manitoba	
GEOLOGICAL SURVEY		SHEET F7	FIGURE
Supervisor: J.J. Hannila	Instrument:	Survey date: 05/93–08/93	
Compiled by: S.J. Mooney	Drawn by: S.J.M.	Date drawn: 04/94	Revised:
Scale: 1:2,500	File: F7.DWG	N.T.S.: 53L/15, 53M/2	

72752

KNEE LAKE

REAVER POND

RX175692 — Sample Location, Number with Assay if > 0.1% Zn, 0.1% Cu or 0.1 g/t Au

RX175671 — 2c,j; 2c,6b

RX175690 3.16 g/t Au — 5h; 3a,e

RX175110 — 4a

RX175114 — 3a

RX175115 — 2c,j

RX175041 — 3a

RX175212 — 3a

RX170483 — goss; 3a

RX175201 — 3a

RX175116 — 4a,6a

RX175117

RX175118

RX175120

RX175121

RX175122

RX175123

RX175124

RX175125

RX175126

RX175127

RX174613 — 2a

RX174703 RX174704 — 4d,f,6c

RX170973 0.30% Zn — 2c; 6a,c

BL 001+00 (Az. 055)

1000 E

0+00S

1+00S

1+00N

0+50N

SPRUCE JACKPINE

Jackpine Spruce; Spruce; Spruce Jackpine; Spruce Birch Jackpine; Jackpine Spruce Birch; Spruce Alder; Jackpine Spruce Alder; Ash Alder; Alder

SYMBOLS

- Outcrop (Small, Large, Float)
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- Strike and Dip of Foliation (Vertical, Inclined, Dip unknown)
- Strike and Dip of Pillows (Vertical, Inclined, Overturned, Tops known)
- Strike and Dip of Shear Zone (Vertical, inclined)
- Strike and Dip of Fractures (Vertical, Inclined)
- Fold Axis (Syncline, Anticline, Overturned Anticline)
- Trend and plunge of minor folds (S, Z, plunge unknown)
- Fault (Sinistral, Dextral)
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- Permit Boundary
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wkly, mody, stry	Weakly, Moderately, Strongly	mt, grpt	Magnetite, Graphite

LEGEND

OXFORD LAKE GROUP

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
- e Syenite

9 Intermediate Intrusives
- a Monzonite
- b Diorite
- c Monzodiorite

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

HAYES RIVER GROUP

7 Clastic Sediments
- a Argillite
- b Siltstone

6 Chemical Sediments – Sulphides
- c Chert
- b Chert–Magnetite Iron Formation
- c Chert+Felsic Ash Tuff
- d Chert+Pyrite+Pyrrhotite
- e Massive Pyrite
- f Massive Pyrite+Pyrrhotite

5 Felsic Volcanics (Rhyolite) and Related Intrusions
- a Massive Aphyric Flow
- b Quartz+Plagioclase Porphyritic
- c Tuffs
- d Lithic Tuff
- e Crystal Tuff
- f Lapilli Tuff
- g Tuff Breccia
- h Debris Flow
- i Quartz Porphyritic Felsic Dike
- j Quartz (>10%) Porphyritic
- k Plagioclase Porphyritic
- l Ash Tuff

4 Intermediate to Felsic Volcanics (Dacite) and Related Intrusions
- a Massive Flow
- 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
- l Ash Tuff
- m Amygdaloidal
- n Breccia

3 Mafic to Intermediate Volcanics (Andesite) and Related Intrusions
- a Massive Flow
- 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
- o Variolitic
- p Ash Tuff
- q Lithic Tuff
- r Lapilli Tuff – Scoric Fragments

2 Mafic Volcanics (Basalt) and Related Intrusions
- a Massive Flow
- 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
- m Breccia

1 Ultramafic Volcanics/Sills
- a Massive

KEY MAP

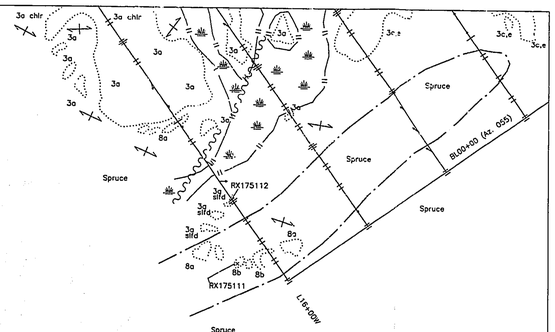
E8; F7 F8; G7 G8; I6 I7; J6 J7; K6 K7 K8; L6 L7 L8; M6 M7; N5 N7; O6 O7; P6 P7; Q6 Q7 Q8; R5 R6 R7; S5 S6

0 25 50 75 100 125 150 175 200 METRES

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

72752

Project: Knee Lake		Area: Knee Lake, Manitoba	
GEOLOGICAL SURVEY		SHEET F8	FIGURE
Supervisor: J.J. Hannila	Instrument:	Survey date: 06/93–08/93	
Compiled by: S.J. Mooney	Drawn by: S.J.M.	Date drawn: 04/94	Revised:
Scale: 1:2,500	File: F8.DWG	N.T.S.: 53L/15, 53M/2	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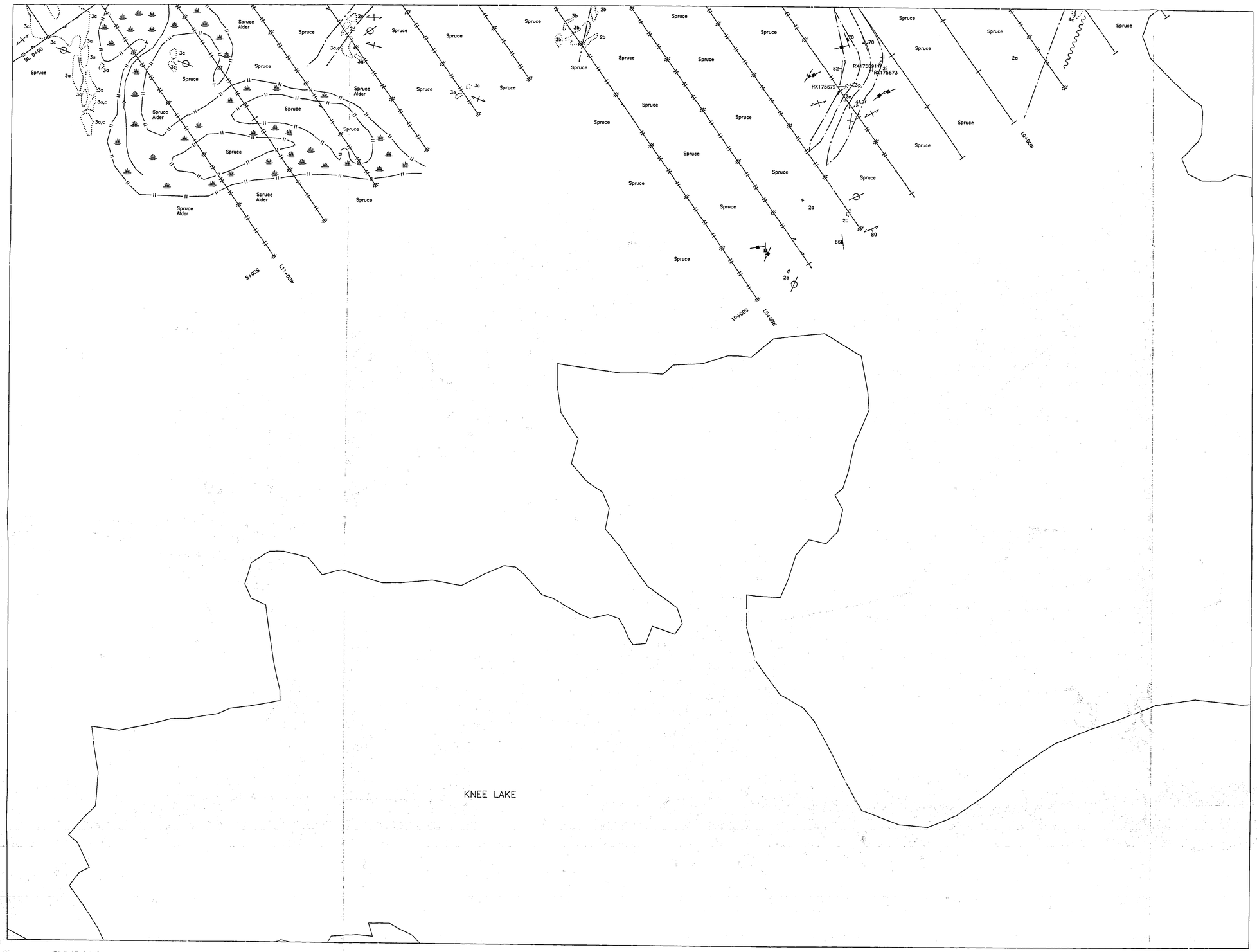

LEGEND

OXFORD LAKE GROUP

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- c Wacke
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- f Lapilli Tuff
- g Tuff Breccia
- h Scoria Flow
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- j Quartz (>10%) Porphyritic
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- e Lithic Tuff
- f Crystal Tuff
- g Lapilli Tuff
- h Tuff Breccia
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- l Ash Tuff
- m Amygdaloidal
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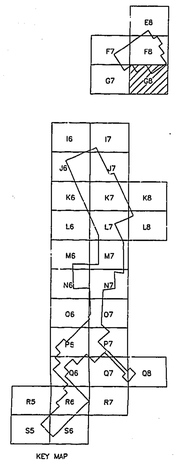
3 Mafic to Intermediate Volcanics (Andesite) and Related Intrusions
- a Massive Flow
- b Massive Medium Grained
- c Pillowed
- d Porphyritic
- e Amygdaloidal
- f Tuff
- g Lapilli Tuff
- h Debris Flow
- i Flow Top Breccia
- j Amphibole Porphyritic
- k Tuff Breccia
- l Crystal Tuff
- m Pillow Breccia
- n Mafic Dike
- o Variolitic
- p Ash Tuff
- q Lithic Tuff
- r Lapilli Tuff – Scoria Fragments

2 Mafic Volcanics (Basalt) and Related Intrusions
- a Massive Flow
- 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
- m Breccia

1 Ultramafic Volcanics/Sills
- a Massive



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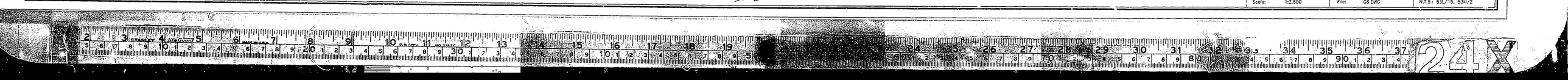
INCO EXPLORATION AND TECHNICAL SERVICES INC.
Thompson, Manitoba R8N 1S4

72752

Project: Knee Lake		Area: Knee Lake, Manitoba	
GEOLOGICAL SURVEY		SHEET G8	FIGURE
Supervisor: J.J. Hannila	Instrument:	Survey date: 06/93–08/93	
Compiled by: S.J. Mooney	Drawn by: S.J.M.	Date drawn: 04/94	Revised:
Scale: 1:2,500	File: G8.DWG	N.T.S.: 53L/15, 53M/2	



LEGEND

OXFORD LAKE GROUP

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- a Argillite
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HAYES RIVER GROUP

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- g Tuff Breccia
- h Debris Flow
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- k Plagioclase Porphyritic
- l Ash Tuff

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- c Porphyritic
- d Tuff
- e Lithic Tuff
- f Crystal Tuff
- g Lapilli Tuff
- h Tuff Breccia
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- j Flow Top Breccia
- k Felsic Dike
- l Ash Tuff
- m Amygdaloidal
- n Breccia

3 Mafic to Intermediate Volcanics (Andesite) and Related Intrusions
- a Massive Flow
- b Massive Medium Grained
- c Pillowed
- d Porphyritic
- e Amygdaloidal
- f Tuff
- g Lapilli Tuff
- h Debris Flow
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- m Pillow Breccia
- n Mafic Dike
- o Variolitic
- p Ash Tuff
- q Lithic Tuff
- r Lapilli Tuff – Scoria Fragments

2 Mafic Volcanics (Basalt) and Related Intrusions
- a Massive Flow
- b Massive Medium Grained
- c Pillowed
- d Porphyritic
- e Amygdaloidal
- f Tuff
- g Lapilli Tuff
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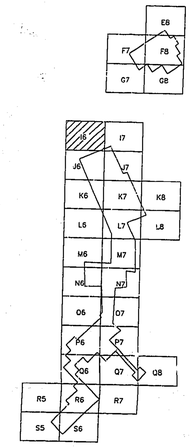
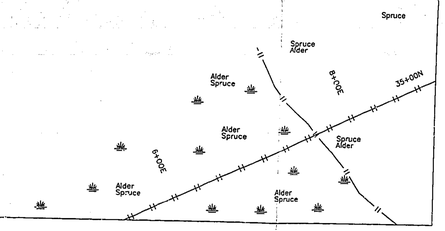
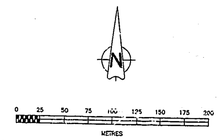


KEY MAP





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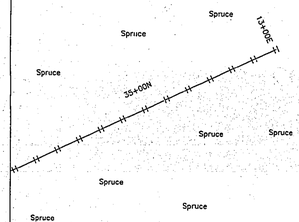
INCO EXPLORATION AND TECHNICAL SERVICES INC. Thompson Manitoba R8N 1S4

Project: Knee Lake		Area: Knee Lake, Manitoba 72752	
GEOLOGICAL SURVEY		SHEET 16	FIGURE
Supervisor: J.J. Hannila	Instrument:	Survey data: 06/93–08/93	
Compiled by: S.J. Mooney	Drawn by: S.J.M.	Date drawn: 04/94	Revised:
Scale: 1:2,500	File: 16.DWG	N.T.S.: 53L/15, 53M/2	

KNEE LAKE



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- c Pillowed
- d Porphyritic
- e Amygdaloidal
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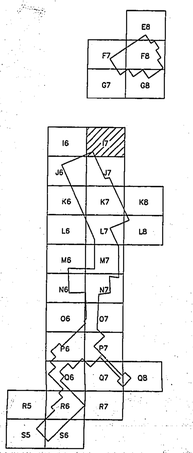

KEY MAP

N

0 25 50 75 100 125 150 175 200
METRES

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

Project: Knee Lake	Area: Knee Lake, Manitoba 72752		
GEOLOGICAL SURVEY		SHEET 17	FIGURE
Supervisor: J.J. Hannila	Instrument:	Survey date: 06/93–08/93	
Compiled by: S.J. Mooney	Drawn by: S.J.M.	Date drawn: 04/94	Revised:
Scale: 1:2,500	File: I7.DWG	N.T.S.: 53L/15, 53M/2	

24X

LEGEND

OXFORD LAKE GROUP

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
- e Syenite

9 Intermediate Intrusives
- a Monzonite
- b Diorite
- c Monzodiorite

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

HAYES RIVER GROUP

7 Clastic Sediments
- a Argillite
- b Siltstone

6 Chemical Sediments – Sulphides
- a Chert
- b Chert–Magnetite Iron Formation
- c Chert+Felsic Ash Tuff
- d Chert+Pyrite+Pyrrhotite
- e Massive Pyrite
- f Massive Pyrite+Pyrrhotite

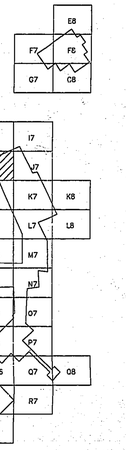
5 Felsic Volcanics (Rhyolite) and Related Intrusions
- a Massive Aphyric Flow
- b Quartz+Plagioclase Porphyritic
- c Tuff
- d Lithic Tuff
- e Crystal Tuff
- f Lapilli Tuff
- g Tuff Breccia
- h Debris Flow
- i Quartz Porphyritic Felsic Dike
- j Quartz (>10%) Porphyritic
- k Plagioclase Porphyritic
- l Ash Tuff

4 Intermediate to Felsic Volcanics (Dacite) and Related Intrusions
- a Massive Flow
- 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
- l Ash Tuff
- m Amygdaloidal
- n Breccia

3 Mafic to Intermediate Volcanics (Andesite) and Related Intrusions
- a Massive Flow
- 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
- o Variolitic
- p Ash Tuff
- q Lithic Tuff
- r Lapilli Tuff – Scoria Fragments

2 Mafic Volcanics (Basalt) and Related Intrusions
- a Massive Flow
- 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
- m Breccia

1 Ultramafic Volcanics/Sills
- o Massive



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- Topographic Lineament
- Road, Winter Road, Airstrip

ABBREVIATIONS

- Permit Boundary
- Claim Post, Claim Lins
- Foreign DDH Location, Trench
- River, Creek (showing flow direction)
- Swamp, Beaver Dam

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

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

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Supervisor: J.J. Hannila	Instrument:	Survey date: 06/93–08/93	
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- h Debris Flow
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- k Tuff Breccia
- l Crystal Tuff
- m Pillow Breccia
- n Mafic Dike
- o Varioltic
- p Ash Tuff
- q Lithic Tuff
- r Lapilli Tuff - Scoria Fragments

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- a Massive Flow
- b Massive Medium Grained
- c Pillowed
- d Porphyritic
- e Amygdaloidal
- f Tuff
- g Lapilli Tuff
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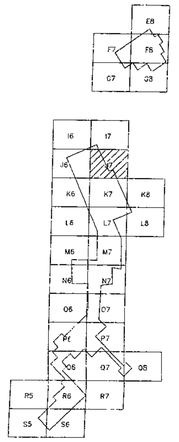

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ABBREVIATIONS

Fe Carb, Ca Carb	Iron carbonate, Calcium carbonate	GB, F, Sc	Graded bedding, Flame Structure, Scour
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silfd, qv	Silicified, Quartz Vein	py, po, goss	Pyrite, Pyrrhotite, Gossan
gar	Garnet	cp, sp, Au	Chalcopyrite, Sphalerite, Gold
wkly, modly, strly	Weakly, Moderately, Strongly	mt, grpt	Magnetite, Graphite

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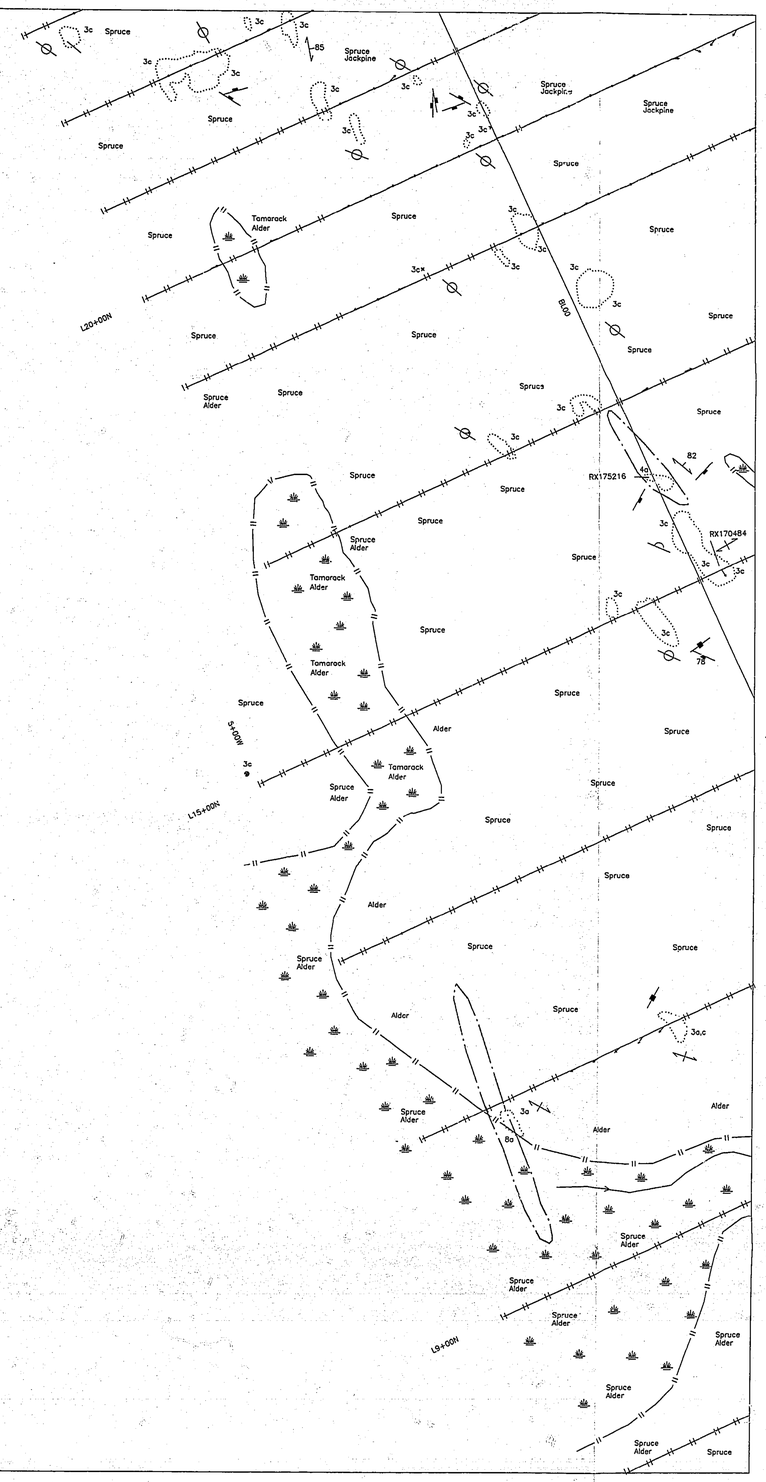

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GEOLOGICAL SURVEY		SHEET K6	FIGURE
Supervisor: J.J. Hannila	Instrument:	Survey date: 06/93-08/93	
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24X

BEAVER LAKE

KNEE LAKE

RL600.00 (Az. 335)

10.00E

5.00E

5.00N

11.00N

10.00N

RL640.00E (Az. 335)

RX175262

RX175147

RX174610

RX174602

RX174601

RX174603

RX174604

LEGEND

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1 Ultramafic Volcanics/Sills
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KEY MAP

E8 F7 F8 G7 G8 I5 I7 J6 J7 K6 K7 K8 L6 L7 L8 M6 M7 N6 N7 O6 O7 P6 P7 R5 R6 R7 S5 S6

0 25 50 75 100 125 150 175 200 METRES

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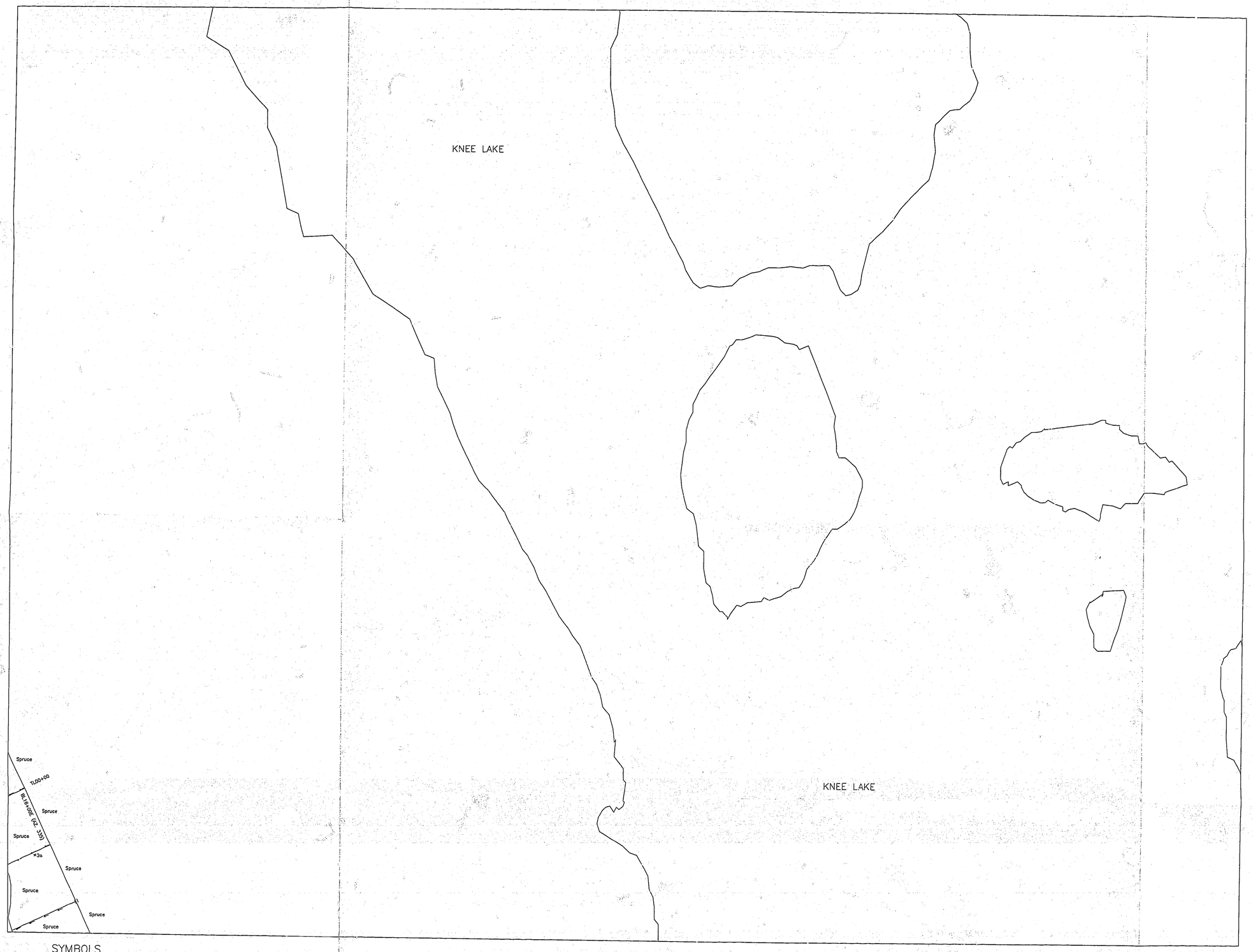

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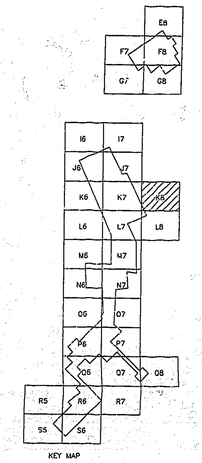

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- Permit Boundary
- Claim Post, Claim Line
- Foreign DDH Location, Trench
- River, Creek (showing flow direction)
- Swamp, Beaver Dam

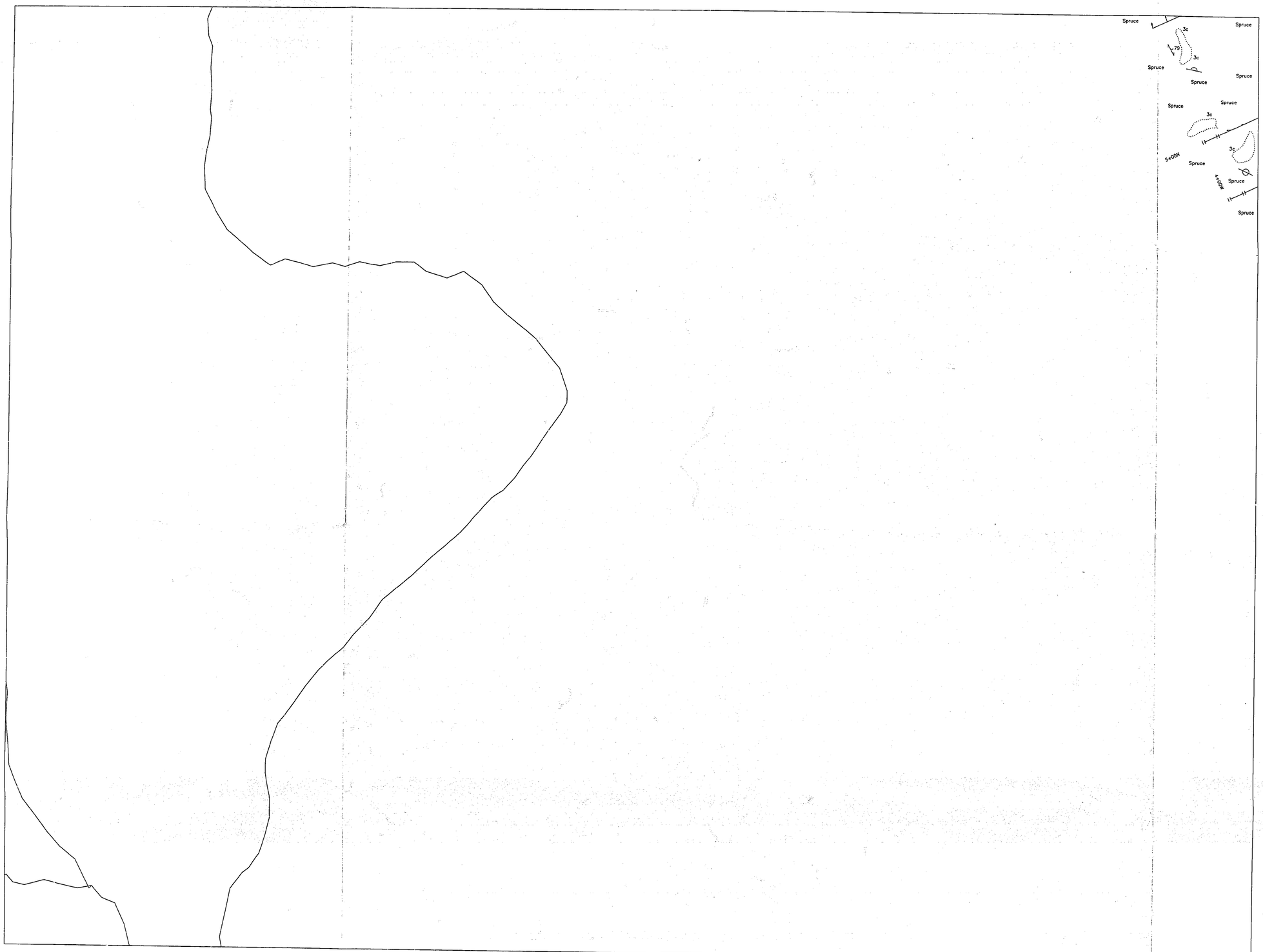
Fe Carb, Ca Carb	Iron carbonate, Calcium carbonate	GB, F, Sc	Graded bedding, Flame Structure, Scour
chlc, serc	Chloritic, Sericitic	Tr	Trace
slfd, qv	Silicified, Quartz Vein	py, po, goss	Pyrite, Pyrrhotite, Gossan
gar	Garnet	cp, sp, Au	Chalcopyrite, Sphalerite, Gold
wkly, mody, stry	Weakly, Moderately,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

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Thompson, Manitoba
R8N 1S4
72752

Project: Knee Lake		Area: Knee Lake, Manitoba	
GEOLOGICAL SURVEY		SHEET K8	FIGURE
Supervisor: J.J. Hannila	Instrument:	Survey date: 06/93–08/93	
Compiled by: S.J. Mooney	Drawn by: S.J.M.	Date drawn: 04/94	Revised:
Scale: 1:2,500	File: K8.DWG	N.T.S.: 53L/15, 53M/2	

24X



LEGEND

OXFORD LAKE GROUP

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
- e Syenite

9 Intermediate Intrusives
- a Monzonite
- b Diorite
- c Monzodiorite

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

HAYES RIVER GROUP

7 Clastic Sediments
- a Argillite
- b Siltstone

6 Chemical Sediments - Sulphides
- a Chert
- b Chert-Magnetite Iron Formation
- c Chert+Felsic Ash Tuff
- d Chert+Pyrite+Pyrrhotite
- e Massive Pyrite
- f Massive Pyrite+Pyrrhotite

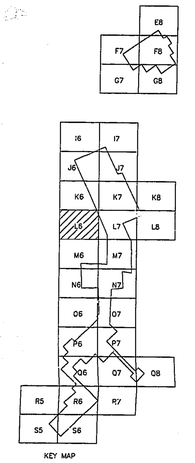
5 Felsic Volcanics (Rhyolite) and Related Intrusions
- a Massive Aphyric Flow
- b Quartz+Plagioclase Porphyritic
- c Tuff
- d Lithic Tuff
- e Crystal Tuff
- f Lapilli Tuff
- g Tuff Breccia
- h Debris Flow
- i Quartz Porphyritic Felsic Dike
- j Quartz (>10%) Porphyritic
- k Plagioclase Porphyritic
- l Ash Tuff

4 Intermediate to Felsic Volcanics (Dacite) and Related Intrusions
- a Massive Flow
- 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
- l Ash Tuff
- m Amygdaloidal
- n Breccia

3 Mafic to Intermediate Volcanics (Andesite) and Related Intrusions
- a Massive Flow
- 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
- o Variolitic
- p Ash Tuff
- q Lithic Tuff
- r Lapilli Tuff - Scoria Fragments

2 Mafic Volcanics (Basalt) and Related Intrusions
- a Massive Flow
- 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
- m Breccia

1 Ultramafic Volcanics/Sills
- a Massive



KEY MAP

N

0 25 50 75 100 125 150 175 200
METRES

SYMBOLS

- Outcrop (Small, Large, Float)
- Lithologic Contact (Observed, Inferred)
- Slope (None, Weak, Moderate, Steep)
- RX175692 — Sample Location, Number with Assay if > 0.1% Zn, 0.1% Cu or 0.1 g/t Au
- 80 — Trend and Plunge of Mineral Lineation
- 80 — Strike and Dip of Bedding, Lithologic Contact (Vertical, Inclined, Tops known)
- 80 — Strike and Dip of Foliation (Vertical, Inclined, Dip unknown)
- 80 — Strike and Dip of Pillows (Vertical, Inclined, Overturned, Tops known)
- 80 — Strike and Dip of Shear Zone (Vertical, inclined)
- 80 — Strike and Dip of Fractures (Vertical, Inclined)
- Fold Axis (Syncline, Anticline, Overturned Anticline)
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INCO EXPLORATION AND TECHNICAL SERVICES INC.
Thompson, Manitoba
RBN 154

72752

Project: Knee Lake		Area: Knee Lake, Manitoba	
GEOLOGICAL SURVEY		SHEET L6	FIGURE
Supervisor: J.J. Hannila	Instrument:	Survey date: 06/93-08/93	
Compiled by: S.J. Mooney	Drawn by: S.J.M.	Date drawn: 04/94	Revised:
Scale: 1:2,500	File: L6.DWG	N.T.S.: 53L/15, 53M/2	

24X

LEGEND

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- m Amygdaloidal
- n Breccia

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- a Massive Flow
- 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
- o Variolitic
- p Ash Tuff
- q Lithic Tuff
- r Lapilli Tuff - Scoria Fragments

2 Mafic Volcanics (Basalt) and Related Intrusions
- a Massive Flow
- 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
- m Breccia

1 Ultramafic Volcanics/Sills
- a Massive

SYMBOLS

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ABBREVIATIONS

Permit Boundary	Fe Carb, Ca Carb	Iron carbonate, Calcium carbonate	GB, F, Sc	Graded bedding, Flame Structure, Scour
Claim Post, Claim Line	chlc, serc	Chloritic, Sericitic	Tr	Trace
Foreign DDH Location, Trench	silf, qv	Silicified, Quartz Vein	py, po, goss	Pyrite, Pyrrhotite, Gossan
River, Creek (showing flow direction)	gar	Garnet	cp, sp, Au	Chalcopyrite, Sphalerite, Gold
Swamp, Beaver Dam	wkly, modly, strly	Weakly, Moderately, Strongly	mt, grph	Magnetite, Graphite

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

72752

Project: Knee Lake		Area: Knee Lake, Manitoba	
GEOLOGICAL SURVEY		SHEET L.7	FIGURE
Supervisor: J.J. Hannila	Instrument:	Survey date: 06/93-08/93	
Compiled by: S.J. Mooney	Drawn by: S.J.M.	Date Drawn: 04/94	Revised:
Scale: 1:2,500	File: L7.DWG	N.T.S.: 53L/15, 53M/2	

Spruce
Spruce
Spruce
Spruce
Spruce
Spruce
Spruce
Spruce
Spruce
3c
3d
3c
3a
40
60
5x40S
BL16+00E (az.359)

KNEE LAKE

BURNT ISLAND

KNEE LAKE

LEGEND

OXFORD LAKE GROUP

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

11 Felsic to Intermediate Volcanics
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BAILY LAKE COMPLEX

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- m Pillow Breccia
- n Mafic Dike
- o Variolitic
- p Ash Tuff
- q Lithic Tuff
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- a Massive Flow
- b Massive Medium Grained
- c Pillowed
- d Porphyritic
- e Amygdaloidal
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- g Lapilli Tuff
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- i Flow Top Breccia
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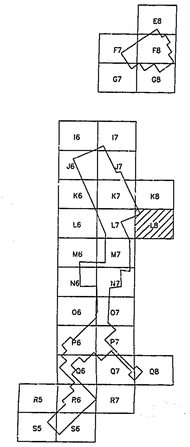
- l Mafic Dike
- m Breccia

1 Ultramafic Volcanics/Sills
- a Massive



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- Fold Axis (Syncline, Anticline, Overturned Anticline)
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ABBREVIATIONS

- Permit Boundary
- Claim Post, Claim Line
- Foreign DDH Location, Trench
- River, Creek (showing flow direction)
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Fe Carb, Ca Carb	Iron carbonate, Calcium carbonate	GB, F, Sc	Gradea bedding, Flame Structure, Scour
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INCO EXPLORATION AND TECHNICAL SERVICES INC.
Thompson, Manitoba R8N 1S4

Project: Knee Lake
Area: Knee Lake, Manitoba

GEOLOGICAL SURVEY

SHEET L8 | FIGURE

Supervisor: J.J. Hannila	Instrument:	Survey date: 06/93–08/93	
Compiled by: S.J. Mooney	Drawn by: S.J.M.	Date drawn: 04/94	Revised:
Scale: 1:2,500	File: L8.DWG	N.T.S.: 53L/15, 53M/2	

24X

LEGEND

OXFORD LAKE GROUP

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

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HAYES RIVER GROUP

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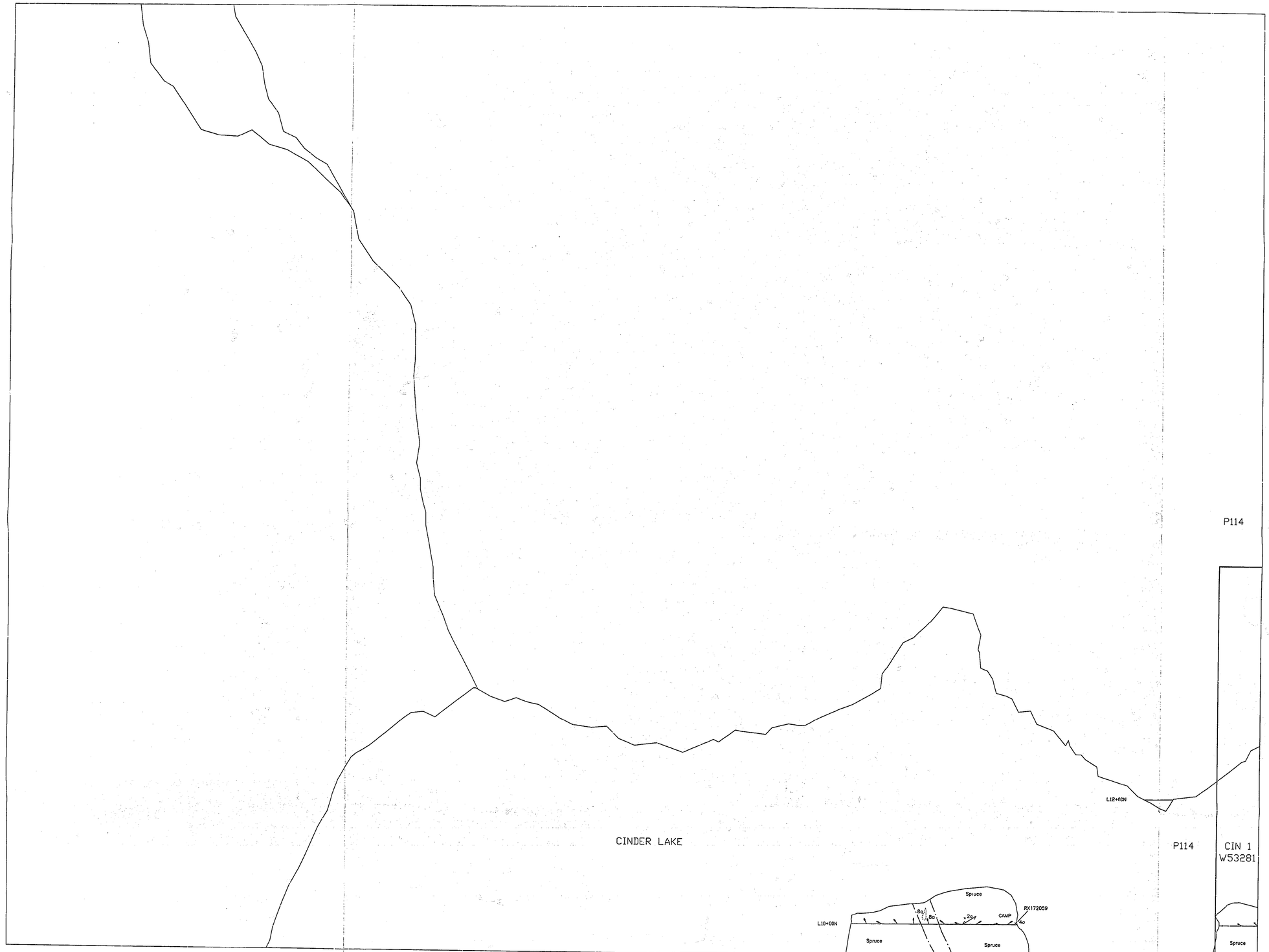

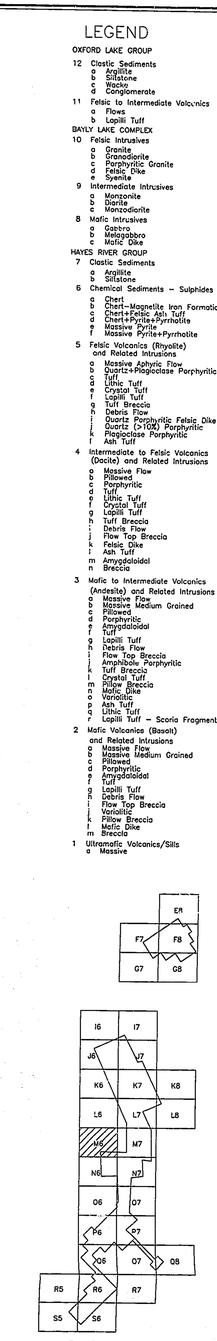

SYMBOLS

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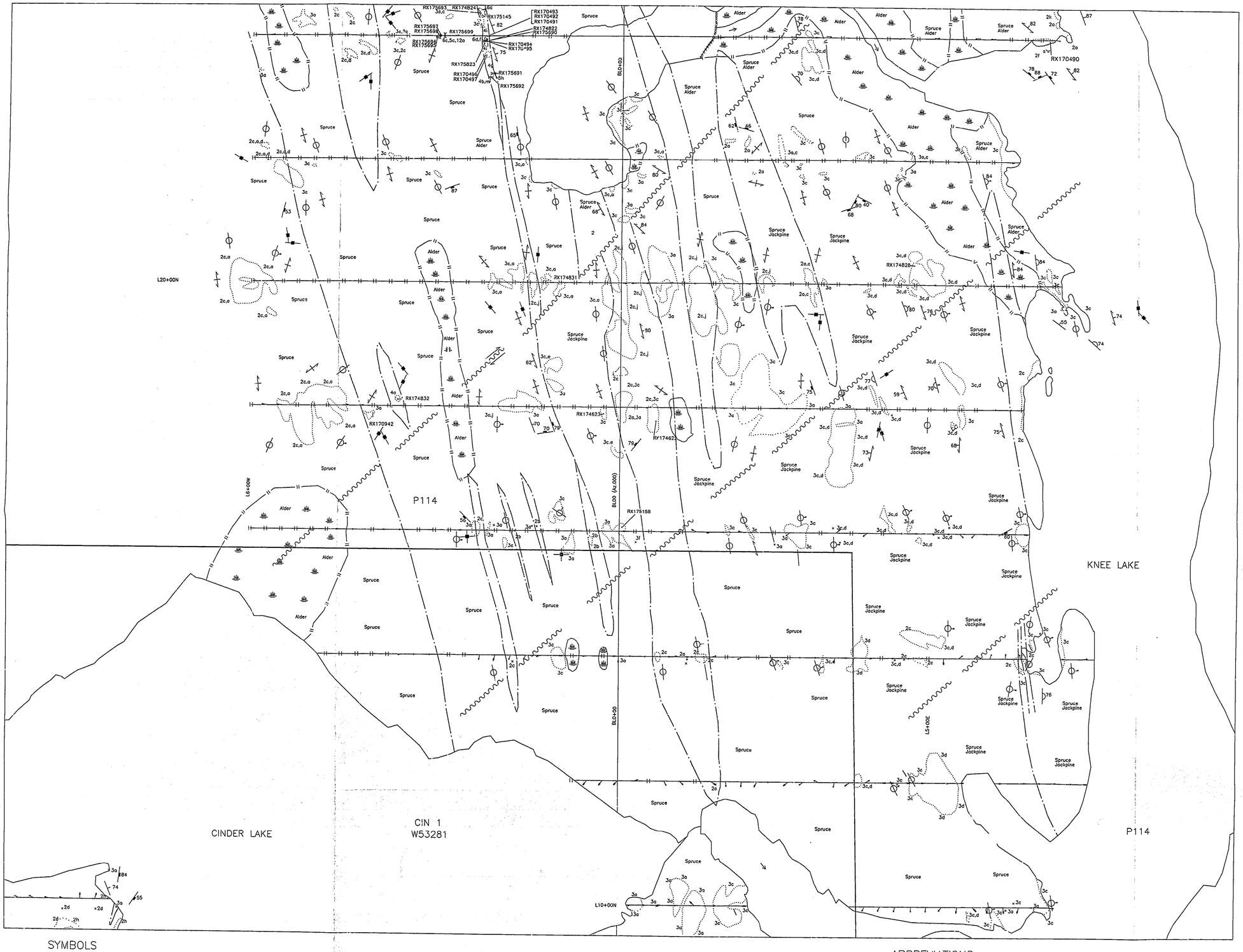

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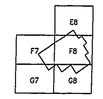
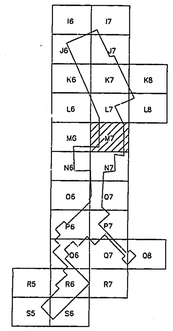
- h Debris Flow
- i Flow Top Breccia
- j Variolitic
- k Pillow Breccia
- l Mafic Dike
- m Breccia

1 Ultramafic Volcanics/Sills
- a Massive





KEY MAP

SYMBOLS

- Outcrop (Small, Large, Float)
- Lithologic Contact (Observed, Inferred)
- Slope (None, Weak, Moderate, Steep)
- RX175692 — 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 Bedding, Lithologic Contact (Vertical, Inclined, Tops known)
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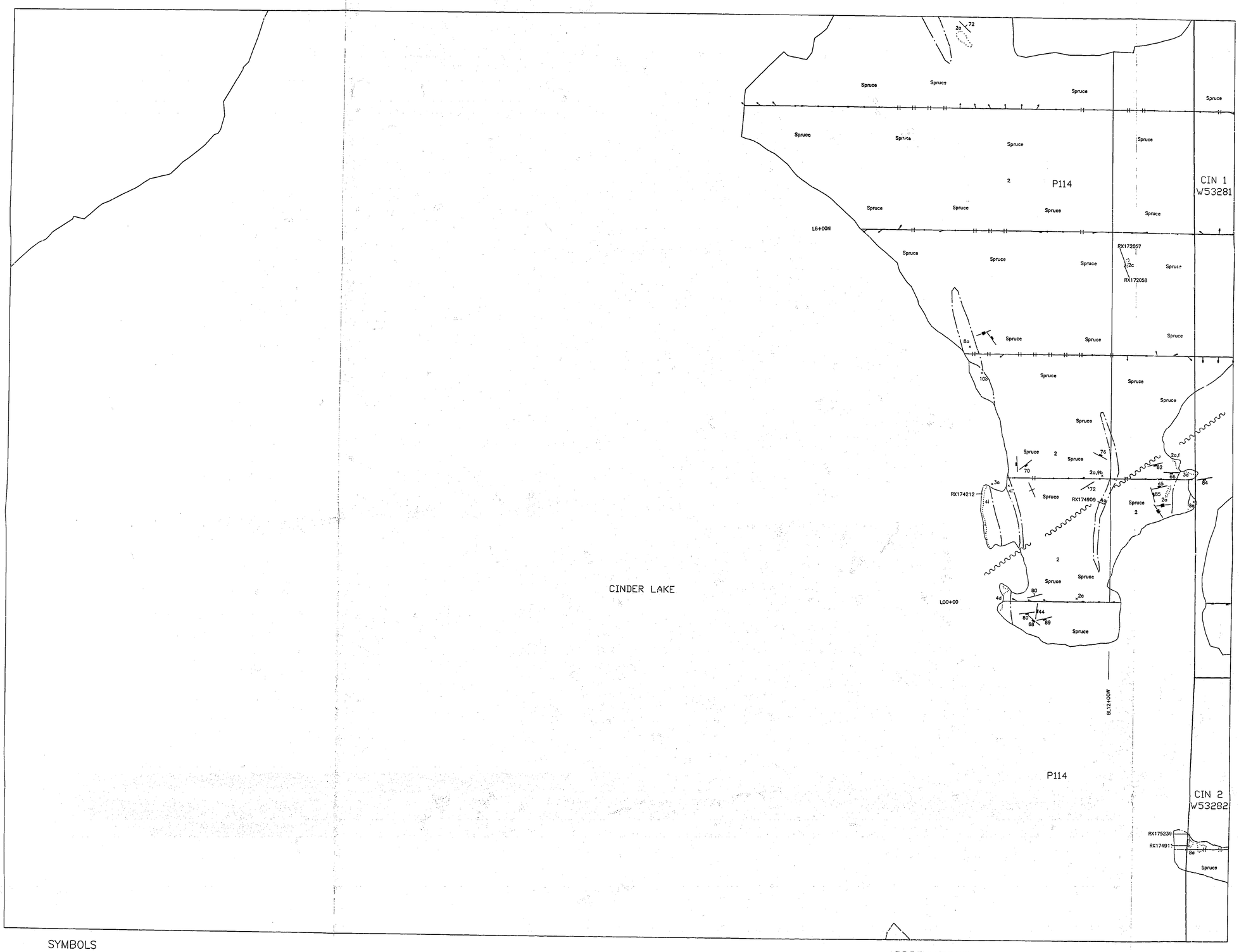
ABBREVIATIONS

Permit Boundary	Fe Carb, Ca Carb	Iron carbonate, Calcium carbonate	GB, F, Sc	Graded bedding, Flame Structure, Scour
Claim Post, Claim Line	chlc, serc	Chloritic, Sericitic	Tr	Trace
Foreign DDH Location, Trench	silfd, qv	Silicified, Quartz Vein	py, po, goss	Pyrite, Pyrrhotite, Gossan
River, Creek (showing flow direction)	gar	Garnet	cp, sp, Au	Chalcopyrite, Sphalerite, Gold
Swamp, Beaver Dam	wkly, mody, stry	Weakly, Moderately, Strongly	mt, grpt	Magnetite, Graphite

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

72752

Project: Knee Lake	Area: Knee Lake, Manitoba		
GEOLOGICAL SURVEY		SHEET M7	FIGURE
Supervisor: J.J. Hannila	Instrument:	Survey date: 06/93–08/93	
Compiled by: S.J. Mooney	Drawn by: S.J.M.	Date drawn: 04/94	Revised:
Scale: 1:2,500	File: M7.DWG	N.T.S.: 53L/15, 53M/2	



LEGEND

OXFORD LAKE GROUP

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
- e Syenite

9 Intermediate Intrusives
- a Monzonite
- b Diorite
- c Monzodiorite

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

HAYES RIVER GROUP

7 Clastic Sediments
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6 Chemical Sediments – Sulphides
- a Chert
- b Chert–Magnetite Iron Formation
- c Chert+Felsic Ash Tuff
- d Chert+Pyrite+Pyrrhotite
- e Massive Pyrite
- f Massive Pyrite+Pyrrhotite

5 Felsic Volcanics (Rhyolite) and Related Intrusions
- a Massive Aphyric Flow
- b Quartz+Plagioclase Porphyritic
- c Tuff
- d Lithic Tuff
- e Crystal Tuff
- f Lapilli Tuff
- g Tuff Breccia
- h Debris Flow
- i Quartz Porphyritic Felsic Dike
- j Quartz (>10%) Porphyritic
- k Plagioclase Porphyritic
- l Ash Tuff

4 Intermediate to Felsic Volcanics (Dacite) and Related Intrusions
- a Massive Flow
- 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
- l Ash Tuff
- m Amygdaloidal
- n Breccia

3 Mafic to Intermediate Volcanics (Andesite) and Related Intrusions
- a Massive Flow
- 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
- o Variolitic
- p Ash Tuff
- q Lithic Tuff
- r Lapilli Tuff – Scoria Fragments

2 Mafic Volcanics (Basalt) and Related Intrusions
- a Massive Flow
- b Massive Medium Grained
- c Pillowed
- d Porphyritic
- e Amygdaloidal
- f Tuff
- g Lapilli Tuff
- h Debris Flow
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ABBREVIATIONS

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gar	Garnet	cp, sp, Au	Chalcopyrite, Sphalerite, Gold
wkly, mody, stry	Weakly, Moderately, Strongly	mt, grpt	Magnetite, Graphite

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

72752

Project: Knee Lake	Area: Knee Lake, Manitoba		
GEOLOGICAL SURVEY		SHEET N6	FIGURE
Supervisor: J.J. Hannila	Instrument:	Survey date: 06/93–08/93	
Compiled by: S.J. Mahoney	Drawn by: S.J.M.	Date drawn: 04/94	Revised:
Scale: 1:2,500	File: N6.DWG	N.T.S.: 53L/15, 53M/2	

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- b Pillowed
- c Porphyritic
- d Tuff
- e Lithic Tuff
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- l Ash Tuff
- m Amygdaloidal
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- a Massive Flow
- 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
- o Variolitic
- p Ash Tuff
- q Lithic Tuff
- r Lapilli Tuff – Scoria Fragments

2 Mafic Volcanics (Basalt) and Related Intrusions
- a Massive Flow
- b Massive Medium Grained
- c Pillowed
- d Porphyritic
- e Amygdaloidal
- f Tuff
- g Lapilli Tuff
- h Debris Flow
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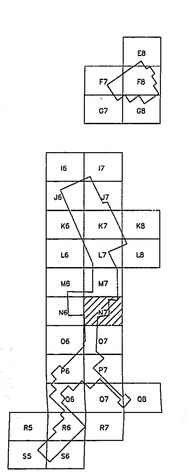

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INCO EXPLORATION AND TECHNICAL SERVICES INC.
Thompson, Manitoba R8N 1S4

72752

Project: Knee Lake		Area: Knee Lake, Manitoba	
GEOLOGICAL SURVEY		SHEET N7	FIGURE
Supervisor: J.J. Hannila	Instrument:	Survey date: 06/93–08/93	
Compiled by: S.J. Mooney	Drawn by: S.J.M.	Date drawn: 04/94	Revised:
Scale: 1:2,500	File: N7.DWG	N.T.S.: 53L/15, 53M/2	

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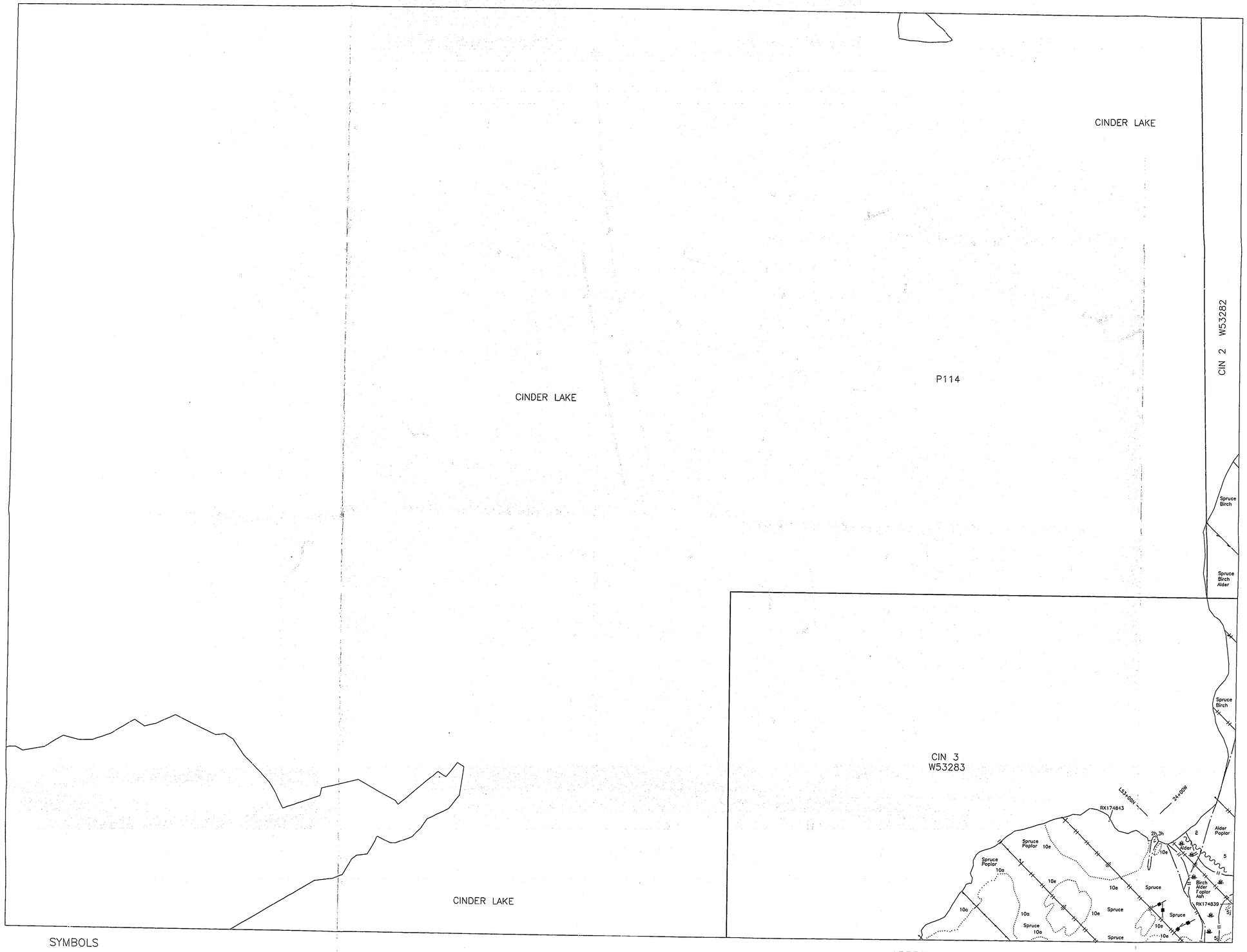

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- l Ash Tuff
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- b Massive Medium Grained
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2 Mafic Volcanics (Basalt) and Related Intrusions
- a Massive Flow
- b Massive Medium Grained
- c Pillowed
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- e Amygdaloidal
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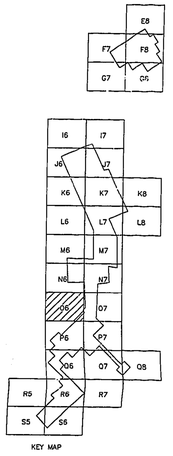
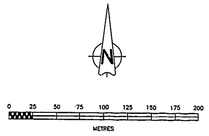


KEY MAP



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INCO EXPLORATION AND TECHNICAL SERVICES INC.

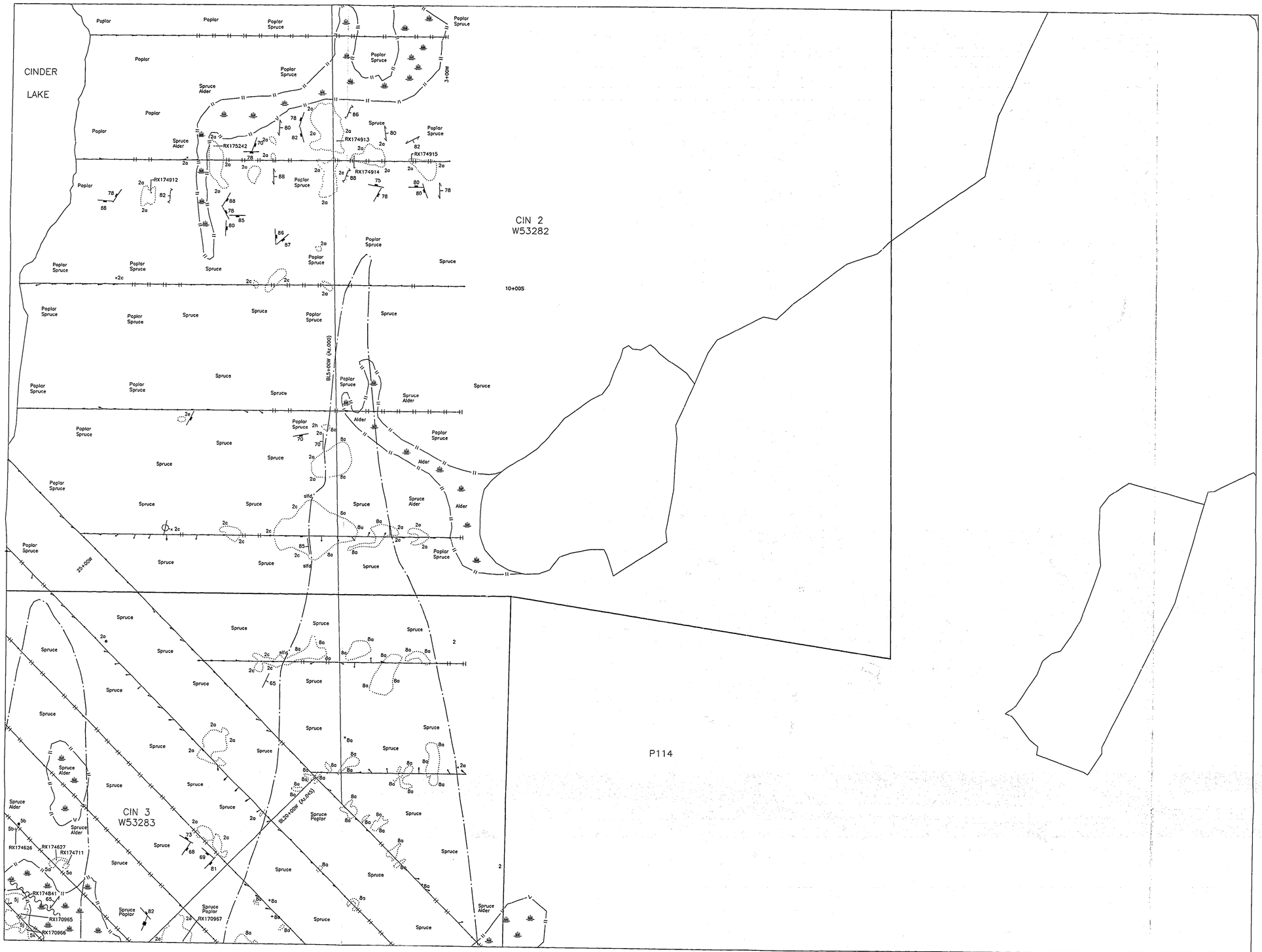
Thompson, Manitoba
R8N 1S4

72752

Project: Knee Lake	Area: Knee Lake, Manitoba

GEOLOGICAL SURVEY — SHEET 06 — FIGURE

Supervisor: J.J. Hannila	Instrument:	Survey date: 06/93–08/93
Compiled by: S.J. Mooney	Drawn by: S.J.M.	Date drawn: 04/94 — Revised:
Scale: 1:2,500	File: 06.DWG	N.T.S.: 53L/15, 53M/2



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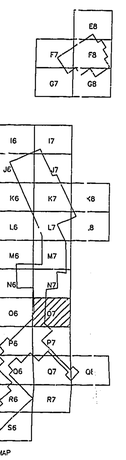

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0 25 50 75 100 125 150 175 200
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72752

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Supervisor: J.J. Hannila	Instrument:	Survey date: 06/93–08/93	
Compiled by: S.J. Mooney	Drawn by: S.J.M.	Date drawn: 04/94	Revised:
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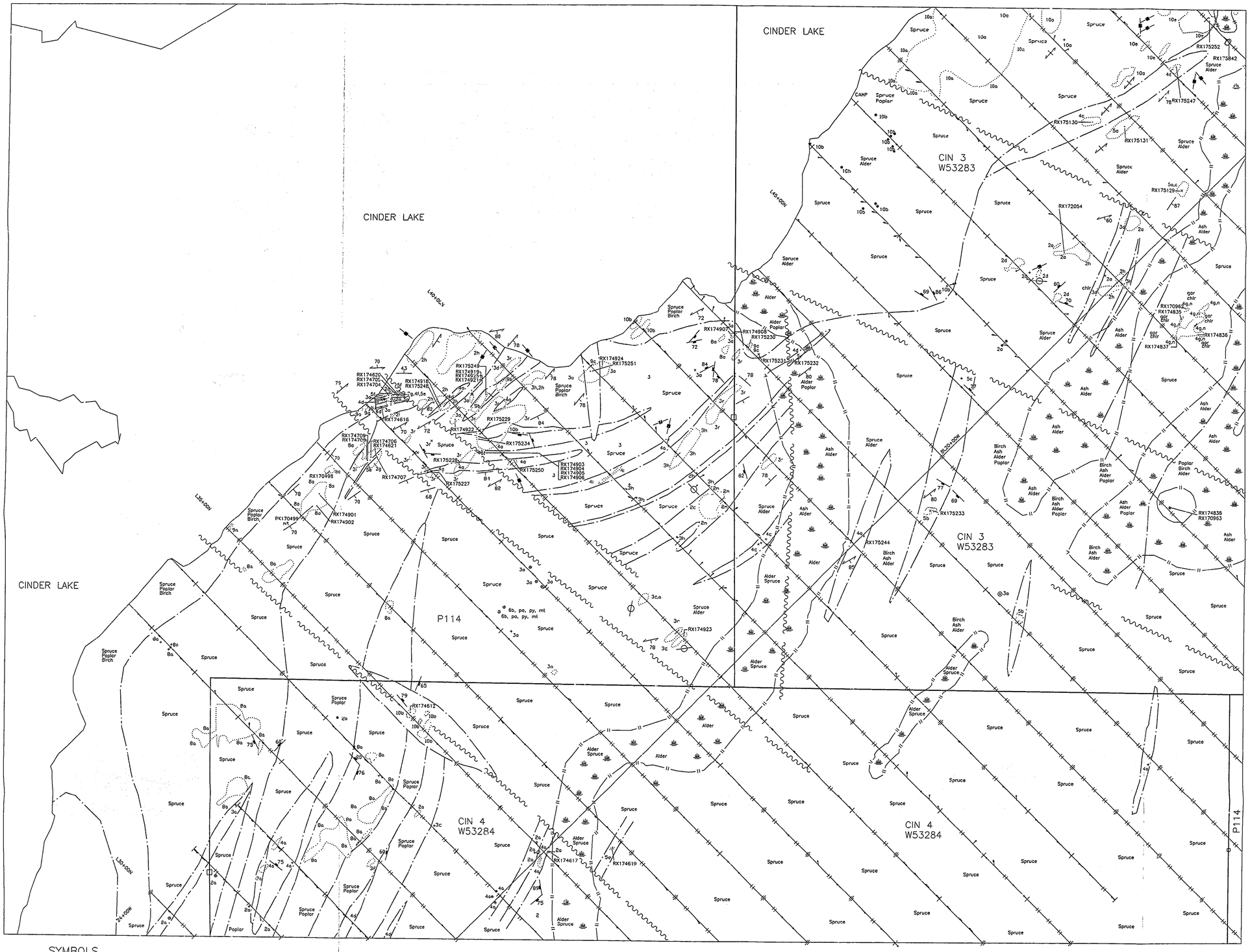

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- a Gabbro
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- c Mafic Dike

HAYES RIVER GROUP

7 Clastic Sediments
- a Argillite
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6 Chemical Sediments – Sulphides
- a Chert
- b Chert–Magnetite Iron Formation
- c Chert+Felsic Ash Tuff
- d Chert+Pyrite+Pyrrhotite
- e Massive Pyrite
- f Massive Pyrite+Pyrrhotite

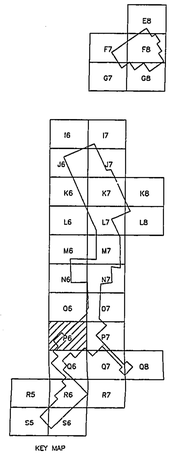
5 Felsic Volcanics (Rhyolite) and Related Intrusions
- a Massive Aphyric Flow
- b Quartz+Plagioclase Porphyritic
- c Tuff
- d Lithic Tuff
- e Crystal Tuff
- f Lapilli Tuff
- g Tuff Breccia
- h Debris Flow
- i Quartz Porphyritic Felsic Dike
- j Quartz (>10%) Porphyritic
- k Plagioclase Porphyritic
- l Ash Tuff

4 Intermediate to Felsic Volcanics (Dacite) and Related Intrusions
- a Massive Flow
- 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
- l Ash Tuff
- m Amygdaloidal
- n Breccia

3 Mafic to Intermediate Volcanics (Andesite) and Related Intrusions
- a Massive Flow
- 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
- o Variolitic
- p Ash Tuff
- q Lithic Tuff
- r Lapilli Tuff – Scoria Fragments

2 Mafic Volcanics (Basalt) and Related Intrusions
- a Massive Flow
- 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
- m Breccia

1 Ultramafic Volcanics/Sills
- a Massive



KEY MAP

0 25 50 75 100 125 150 175 200
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SYMBOLS

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ABBREVIATIONS

- Permit Boundary
- Claim Post, Claim Line
- Foreign DDH Location, Trench
- River, Creek (showing flow direction)
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Fe Carb, Ca Carb	Iron carbonate, Calcium carbonate	CB, F, Sc	Graded bedding, Flame Structure, Scour
chlc, serc	Chloritic, Sericitic	Tr	Trace
silfd, qv	Silicified, Quartz Vein	py, po, goss	Pyrite, Pyrrhotite, Gossan
gar	Garnet	cp, sp, Au	Chalcopyrite, Sphalerite, Gold
wkly, mody, stry	Weakly, Moderately, Strongly	mt, grpt	Magnetite, Graphite

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Thompson, Manitoba R8N 1S4 72752

Project: Knee Lake		Area: Knee Lake, Manitoba	
GEOLOGICAL SURVEY		SHEET P6	FIGURE
Supervisor: J.J. Hannila	Instrument:	Survey date: 06/93–08/93	
Compiled by: S.J. Mooney	Drawn by: S.J.M.	Date drawn: 04/94	Revised:
Scale: 1:2,500	File: P6.DWG	N.T.S.: 53L/15, 53M/2	

24X

LEGEND

OXFORD LAKE GROUP

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
- e Syenite

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- 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
- o Variolitic
- p Ash Tuff
- q Lithic Tuff
- r Lapilli Tuff – Scoria Fragments

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

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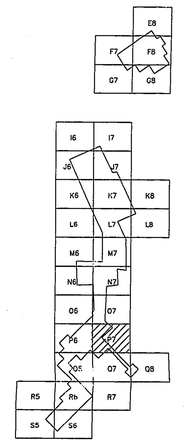
- a Massive



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River, Creek (showing flow direction)	gar	Garnet	cp, sp, Au	Chalcopyrite, Sphalerite, Gold
Swamp, Beaver Dam	wkly, mody, stry	Weakly, Moderately, Strongly	mt, grpt	Magnetite, Graphite

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

Project: Knee Lake		Area: Knee Lake, Manitoba 72752	
GEOLOGICAL SURVEY		SHEET P7	FIGURE
Supervisor: J.J. Hannila	Instrument:	Survey date: 06/93–08/93	
Compiled by: S.J. Mooney	Drawn by: S.J.M.	Date drawn: 04/94	Revised:
Scale: 1:2,500	File: P7.DWG	N.T.S.: 53L/15, 53M/2	

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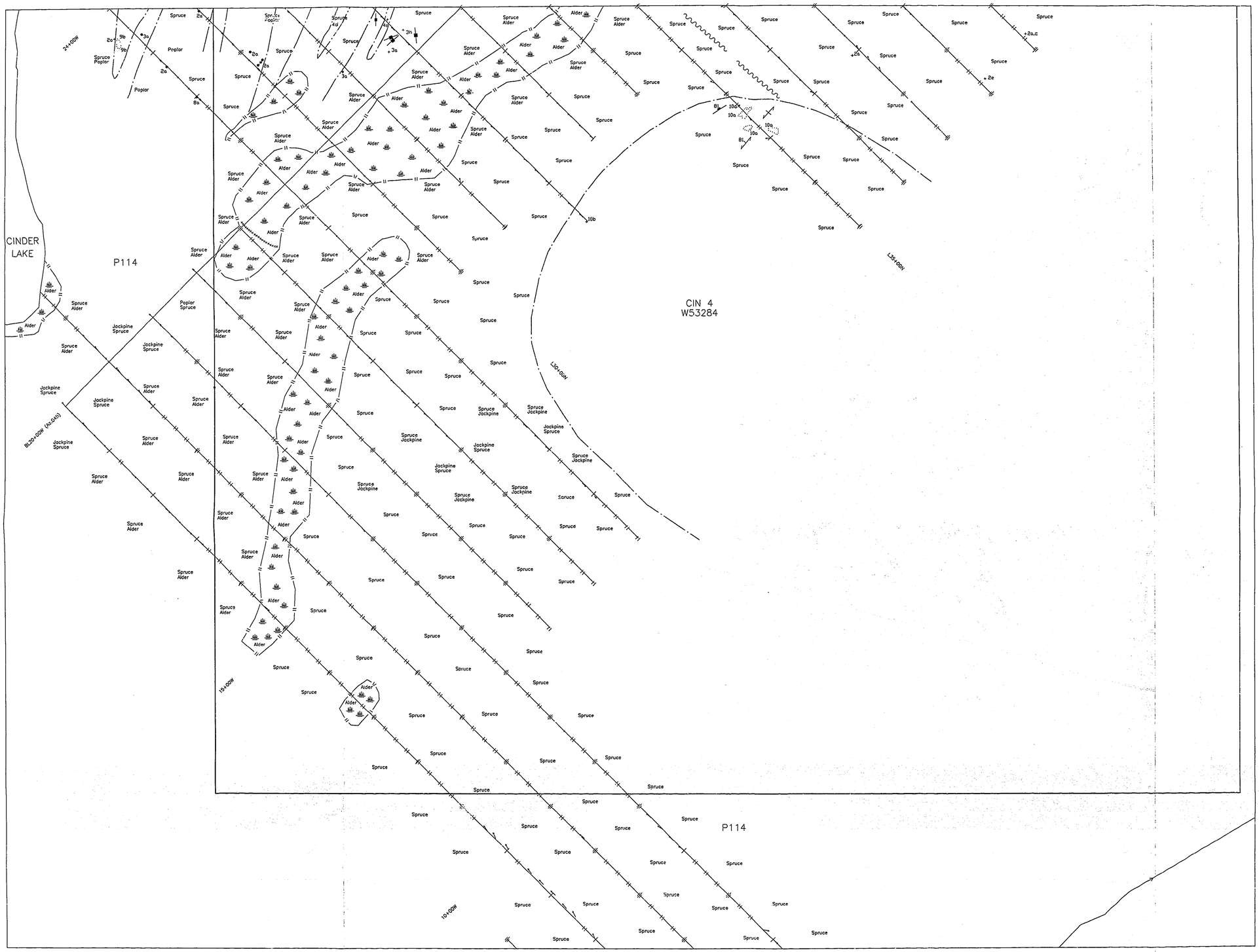

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- f Tuff
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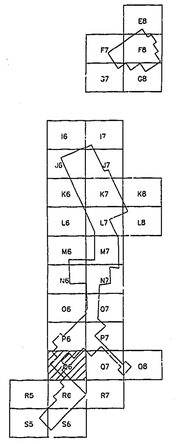
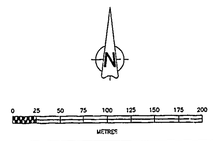
1 Ultramafic Volcanics/Sills
- a Massive





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

Project: Knee Lake		Area: Knee Lake, Manitoba	
GEOLOGICAL SURVEY		SHEET Q6	FIGURE
Supervisor: J.J. Hannila	Instrument:	Survey date: 06/93–08/93	
Compiled by: S.J. Mohnty	Drawn by: S.J.M.	Date drawn: 04/94	Revised:
Scale: 1:2,500	File: Q6.DWG	N.T.S.: 53L/15, 53M/2	

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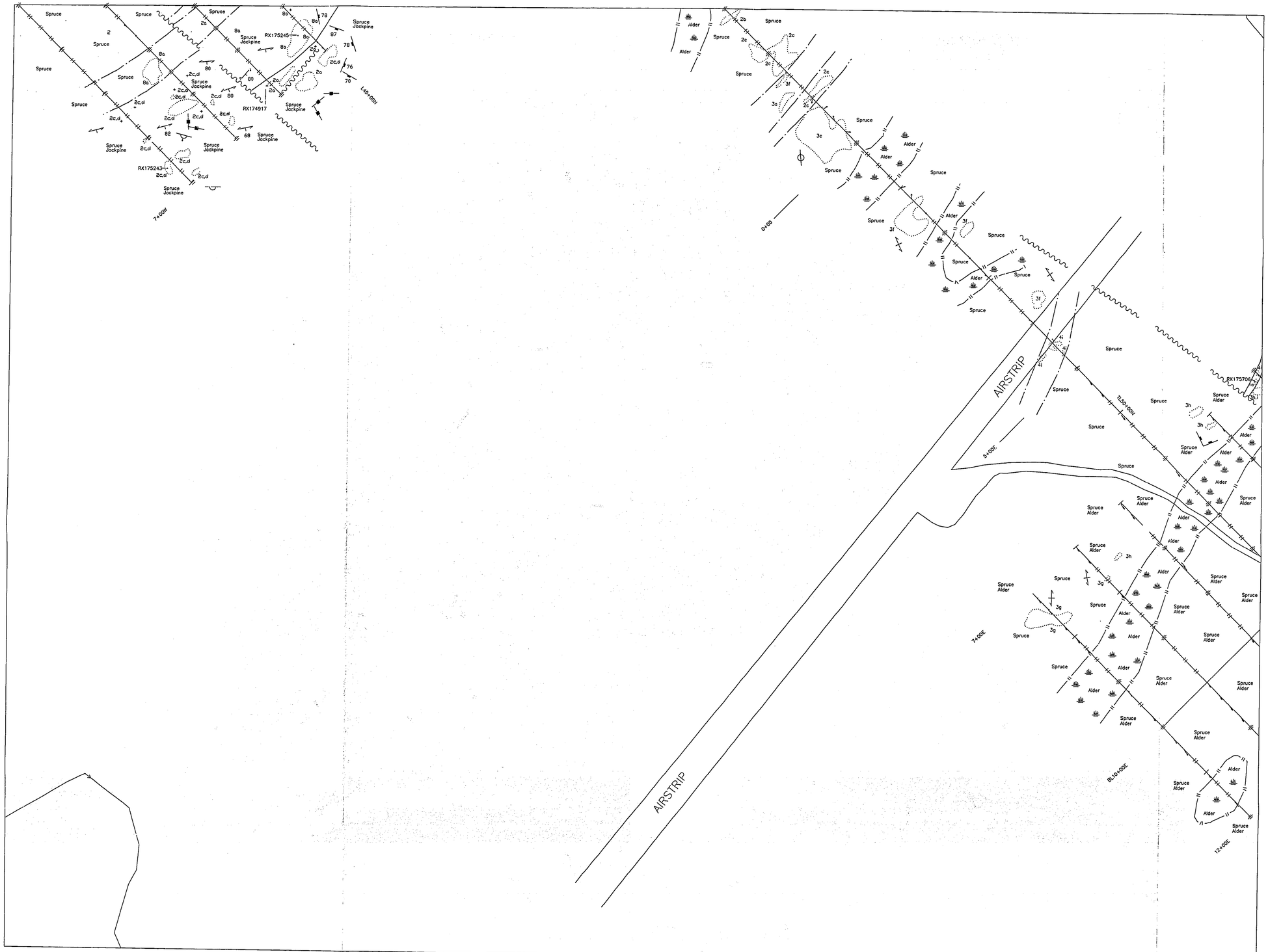
STANLEY Ullo Gauge
24X



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- b Massive Medium Grained
- c Pillowed
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- e Amygdaloidal
- f Tuff
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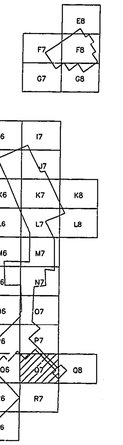

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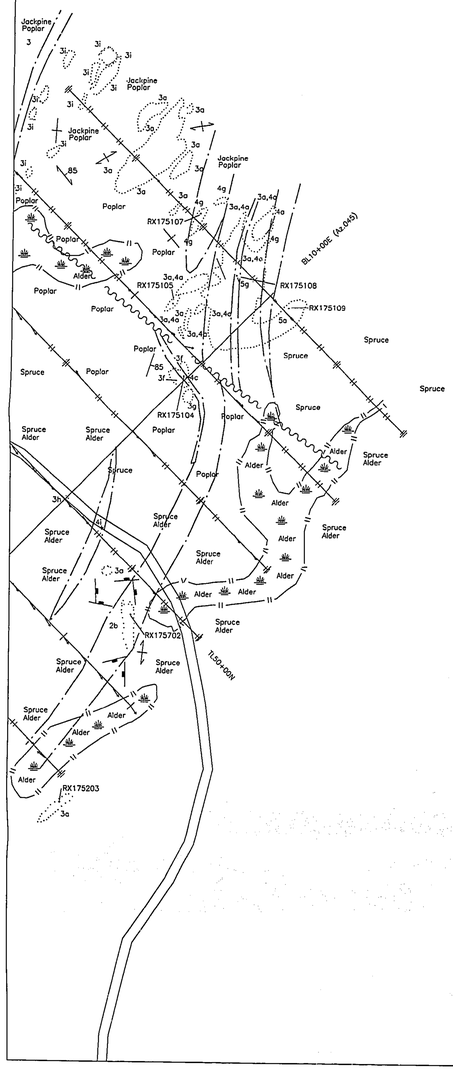
124X



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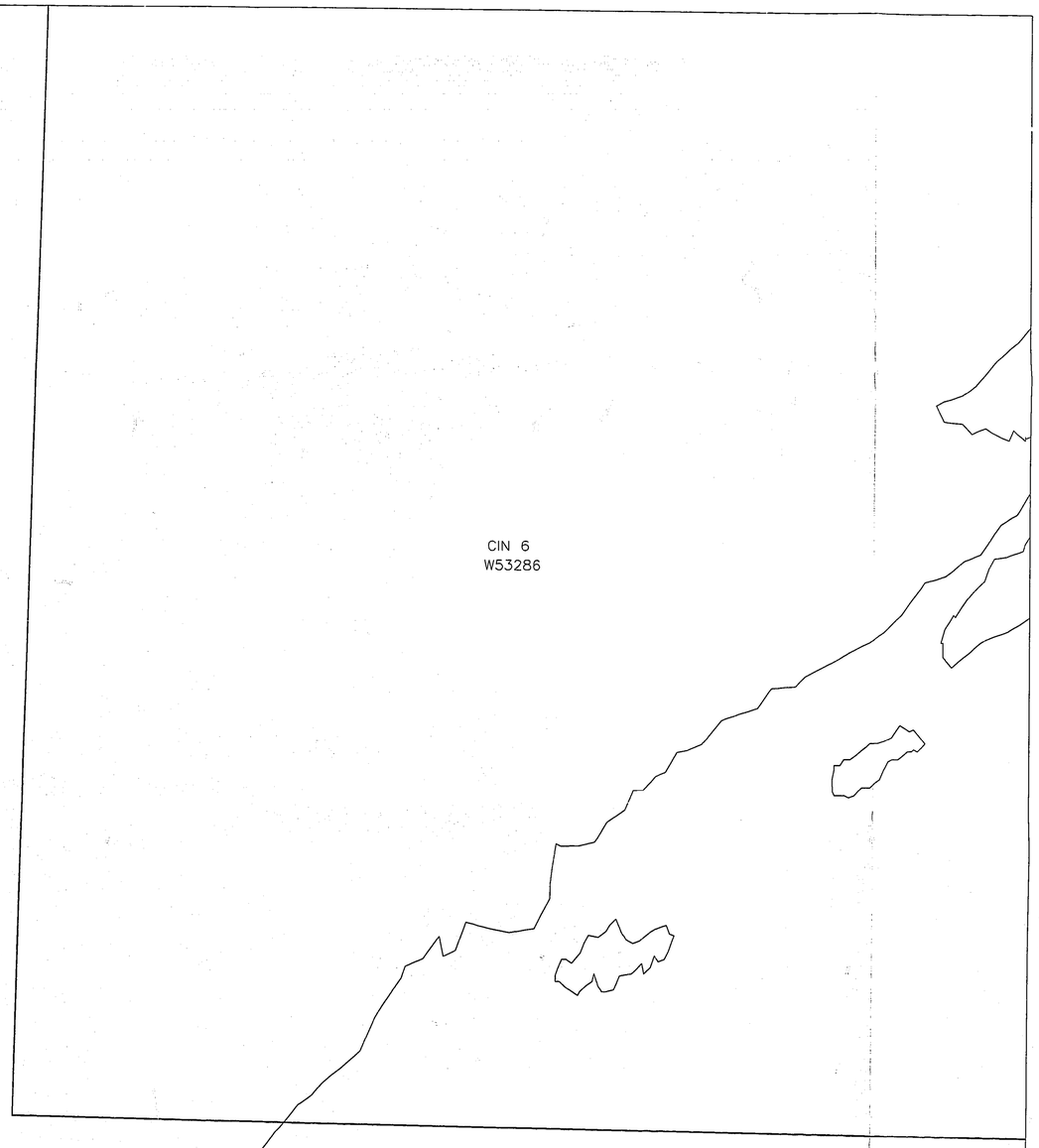

P114

KNEE LAKE

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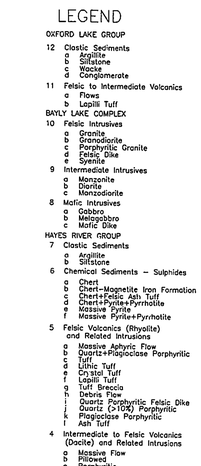

KEY MAP

N

0 25 50 75 100 125 150 175 200
METRES

SYMBOLS

- Outcrop (Small, Large, Float)
- Lithologic Contact (Observed, Inferred)
- Slope (None, Weak, Moderate, Steep)
- RX175692 — Sample Location, Number with Assay if > 0.1% Zn, 0.1% Cu or 0.1 g/t Au
- 80 — Trend and Plunge of Mineral Lineation
- 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)
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- Strike and Dip of Fractures (Vertical, Inclined)
- Fold Axis (Syncline, Anticline, Overturned Anticline)
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- Topographic Lineament
- Road, Winter Road, Airstrip

ABBREVIATIONS

- Permit Boundary
- Claim Post, Claim Line
- Foreign DDH Location, Trench
- River, Creek (showing flow direction)
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Fe Carb, Ca Carb	Iron carbonate, Calcium carbonate	GB, F, Sc	Graded bedding, Flame Structure, Scour
chlc, serc	Chloritic, Sericitic	Tr	Trace
silfd, qv	Silicified, Quartz Vein	py, po, goss	Pyrite, Pyrrhotite, Gossan
gar	Garnet	cp, sp, Au	Chalcopyrite, Sphalerite, Gold
wkly, mody, stry	Weakly, Moderately, Strongly	mt, grpt	Magnetite, Graphite

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

Project: Knee Lake	Area: Knee Lake, Manitoba 72752		
GEOLOGICAL SURVEY		SHEET Q8	FIGURE
Supervisor: J.J. Hannila	Instrument:	Survey date: 06/93–08/93	
Compiled by: S.J. Mooney	Drawn by: S.J.M.	Date drawn: 04/94	Revised:
Scale: 1:2,500	File: Q8.DWG	N.T.S.: 53L/15, 53M/2	

124X

LEGEND

OXFORD LAKE GROUP

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
- e Syenite

9 Intermediate Intrusives
- a Monzonite
- b Diorite
- c Monzodiorite

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

HAYES RIVER GROUP

7 Clastic Sediments
- a Argillite
- b Siltstone

6 Chemical Sediments – Sulphides
- a Chert
- b Chert–Magnetite Iron Formation
- c Chert+Felsic Ash Tuff
- d Chert+Pyrite+Pyrrhotite
- e Massive Pyrite
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5 Felsic Volcanics (Rhyolite) and Related Intrusions
- a Massive Aphyric Flow
- b Quartz+Plagioclase Porphyritic
- c Tuff
- d Lithic Tuff
- e Crystal Tuff
- f Lapilli Tuff
- g Tuff Breccia
- h Debris Flow
- i Quartz Porphyritic Felsic Dike
- j Quartz (>10%) Porphyritic
- k Plagioclase Porphyritic
- l Ash Tuff

4 Intermediate to Felsic Volcanics (Dacite) and Related Intrusions
- a Massive Flow
- 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
- l Ash Tuff
- m Amygdaloidal
- n Breccia

3 Mafic to Intermediate Volcanics (Andesite) and Related Intrusions
- a Massive Flow
- 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
- o Variolitic
- p Ash Tuff
- q Lithic Tuff
- r Lapilli Tuff – Scoria Fragments

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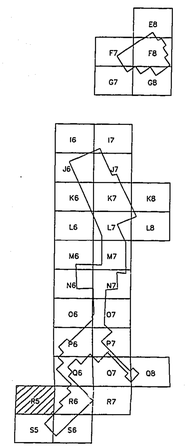
- k Pillow Breccia
- l Mafic Dike
- m Breccia

1 Ultramafic Volcanics/Sills
- a Massive



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6+00 N Spruce

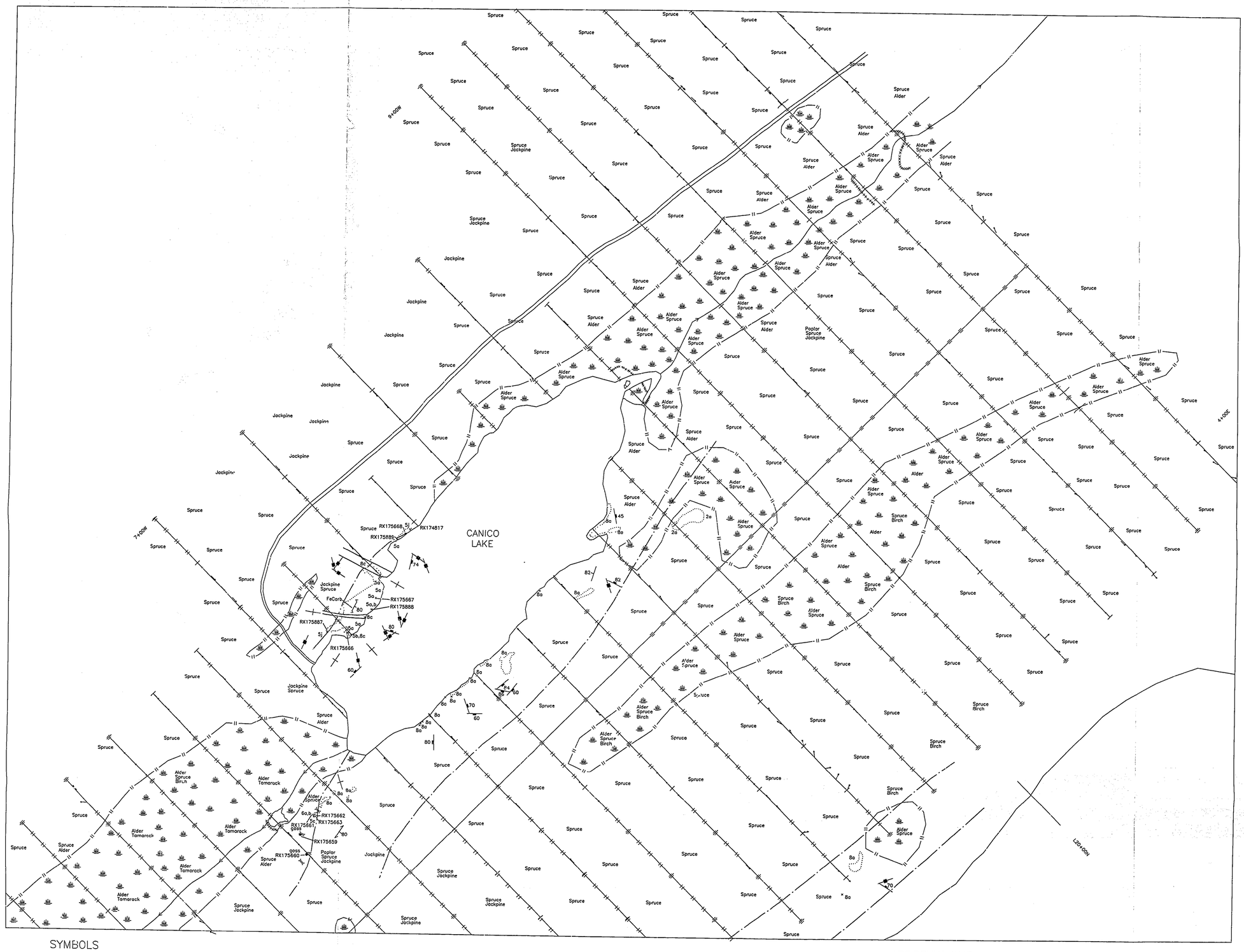
5+00 W Spruce

Spruce

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

Project: Knee Lake	Area: Knee Lake, Manitoba 72752	
GEOLOGICAL SURVEY	SHEET R5	FIGURE
Supervisor: J.J. Hannila	Instrument:	Survey date: 06/93–08/93
Compiled by: S.J. Mooney	Drawn by: S.J.M.	Date drawn: 04/94 / Revised:
Scale: 1:2,500	File: R5.DWG	N.T.S.: 53L/15, 53M/2

24X



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- Strike and Dip of Shear Zone (Vertical, Inclined)
- Strike and Dip of Fractures (Vertical, Inclined)
- Fold Axis (Synciline, Anticline, Overturned Anticline)
- S_{80} Z_{80} — Trend and plunge of minor folds (S, Z, plunge unknown)
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LEGEND

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- b Melagabbro
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HAYES RIVER GROUP

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- b Quartz+Plagioclase Porphyritic
- c Tuff
- d Lithic Tuff
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- g Tuff Breccia
- h Debris Flow
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4 Intermediate to Felsic Volcanics (Dacite) and Related Intrusions
- a Massive Flow
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- c Porphyritic
- d Tuff
- e Lithic Tuff
- f Crystal Tuff
- g Lapilli Tuff
- h Tuff Breccia
- i Debris Flow
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- k Felsic Dike
- l Ash Tuff
- m Amygdaloidal
- n Breccia

3 Mafic to Intermediate Volcanics (Andesite) and Related Intrusions
- a Massive Flow
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- 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
- o Variolitic
- p Ash Tuff
- q Lithic Tuff
- r Lapilli Tuff – Scoria Fragments

2 Mafic Volcanics (Basalt) and Related Intrusions
- a Massive Flow
- b Massive Medium Grained
- c Pillowed
- d Porphyritic
- e Amygdaloidal
- f Tuff
- g Lapilli Tuff
- h Debris Flow
- i Flow Top Breccia
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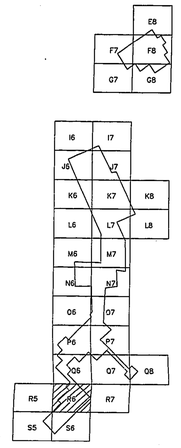
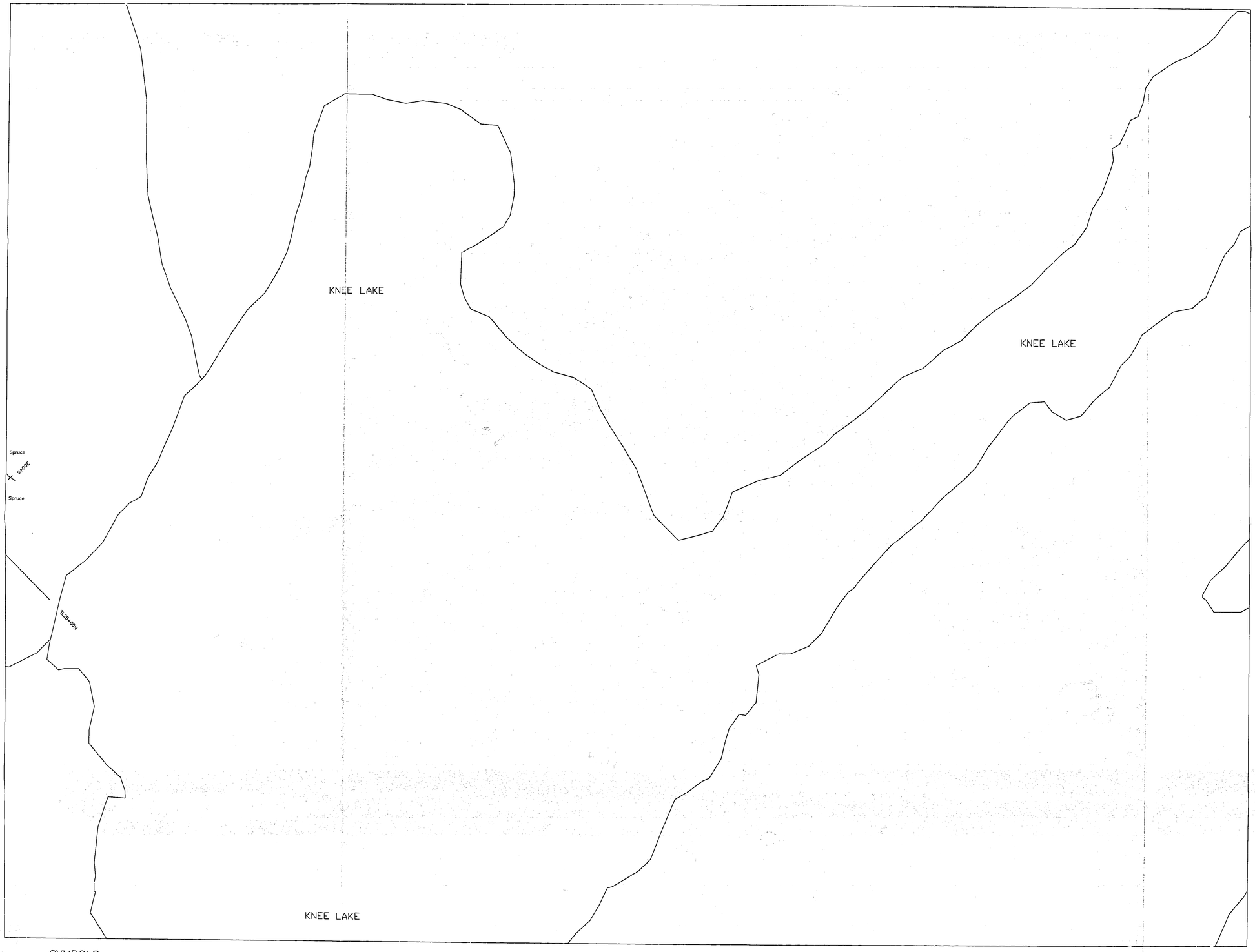
1 Ultramafic Volcanics/Sills
- a Massive



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

Project: Knee Lake	Area: Knee Lake, Manitoba 72752		
GEOLOGICAL SURVEY		SHEET R6	FIGURE
Supervisor: J.J. Hannila	Instrument:	Survey date: 06/93–08/93	
Compiled by: S.J. Mooney	Drawn by: S.J.M.	Date drawn: 04/94	Revised:
Scale: 1:2,500	File: R6.DWG	N.T.S.: 53L/15, 53M/2	

STANLEY Ilia Guard MADE IN U.S.A. 24X



LEGEND

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- c Pillowed
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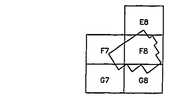
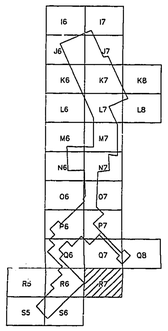
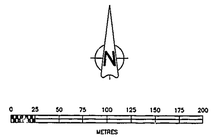




KEY MAP



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Thompson,Manitoba R8N 1S4

Project: Knee Lake	Area: Knee Lake, Manitoba	72752	
GEOLOGICAL SURVEY		SHEET R7	FIGURE
Supervisor: J.J. Hannila	Instrument:	Survey date: 06/93–08/93	
Compiled by: S.J. Mooney	Drawn by: S.J.M.	Date drawn: 04/94	Revised:
Scale: 1:2,500	File: R7.DWG	N.T.S.: 53L/15, 53M/2	

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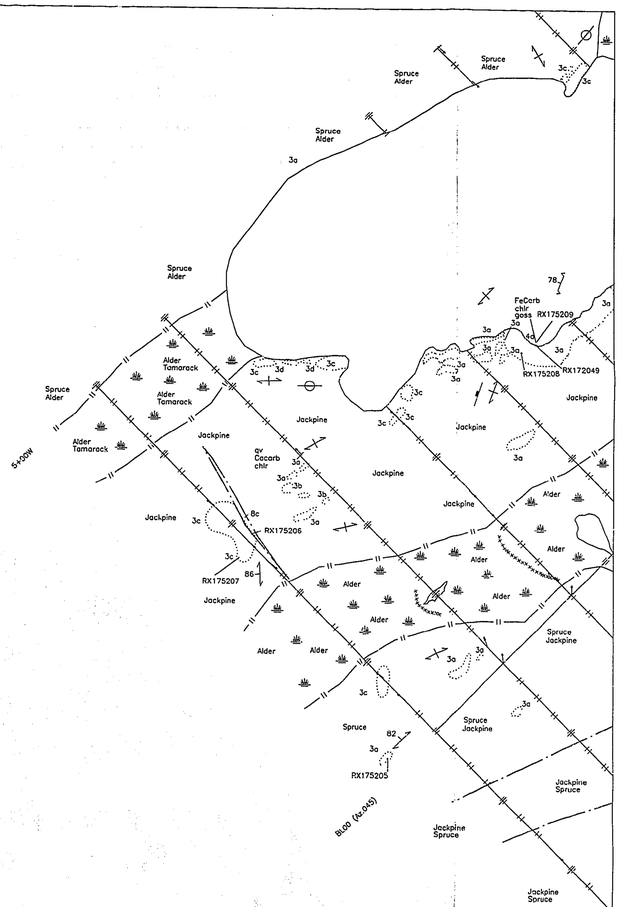

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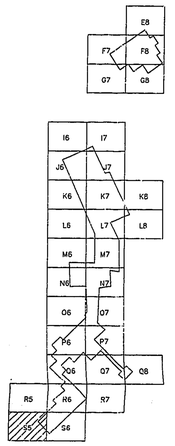

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- c Chert+Felsic Ash Tuff
- d Chert+Pyrite+Pyrrhotite
- e Massive Pyrite
- f Massive Pyrite+Pyrrhotite

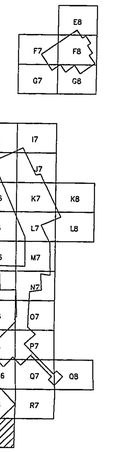
5 Felsic Volcanics (Rhyolite) and Related Intrusions
- a Massive Aphyric Flow
- b Quartz+Plagioclase Porphyritic
- c Tuff
- d Lithic Tuff
- e Crystal Tuff
- f Lapilli Tuff
- g Tuff Breccia
- h Debris Flow
- i Quartz Porphyritic Felsic Dike
- j Quartz (>10%) Porphyritic
- k Plagioclase Porphyritic
- l Ash Tuff

4 Intermediate to Felsic Volcanics (Dacite) and Related Intrusions
- a Massive Flow
- 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
- l Ash Tuff
- m Amygdaloidal
- n Breccia

3 Mafic to Intermediate Volcanics (Andesite) and Related Intrusions
- a Massive Flow
- 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 Mafic Breccia
- n Mafic Dike
- o Variolitic
- p Ash Tuff
- q Lithic Tuff
- r Lapilli Tuff – Scoria Fragments

2 Mafic Volcanics (Basalt) and Related Intrusions
- a Massive Flow
- 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
- m Breccia

1 Ultramafic Volcanics/Sills
- a Massive



SYMBOLS

- Outcrop (Small, Large, Float)
- Lithologic Contact (Observed, Inferred)
- Slope (None, Weak, Moderate, Steep)
- RX175692 — Sample Location, Number with Assay if > 0.1% Zn, 0.1% Cu or 0.1 g/t Au
- 80 — Trend and Plunge of Mineral Lineation
- 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)
- Strike and Dip of Shear Zone (Vertical, Inclined)
- Strike and Dip of Fractures (Vertical, Inclined)
- 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
- Clo. Post, Claim Line
- Foreign DDH Location, Trench
- River, Creek (showing flow direction)
- Swamp, Beaver Dam

ABBREVIATIONS

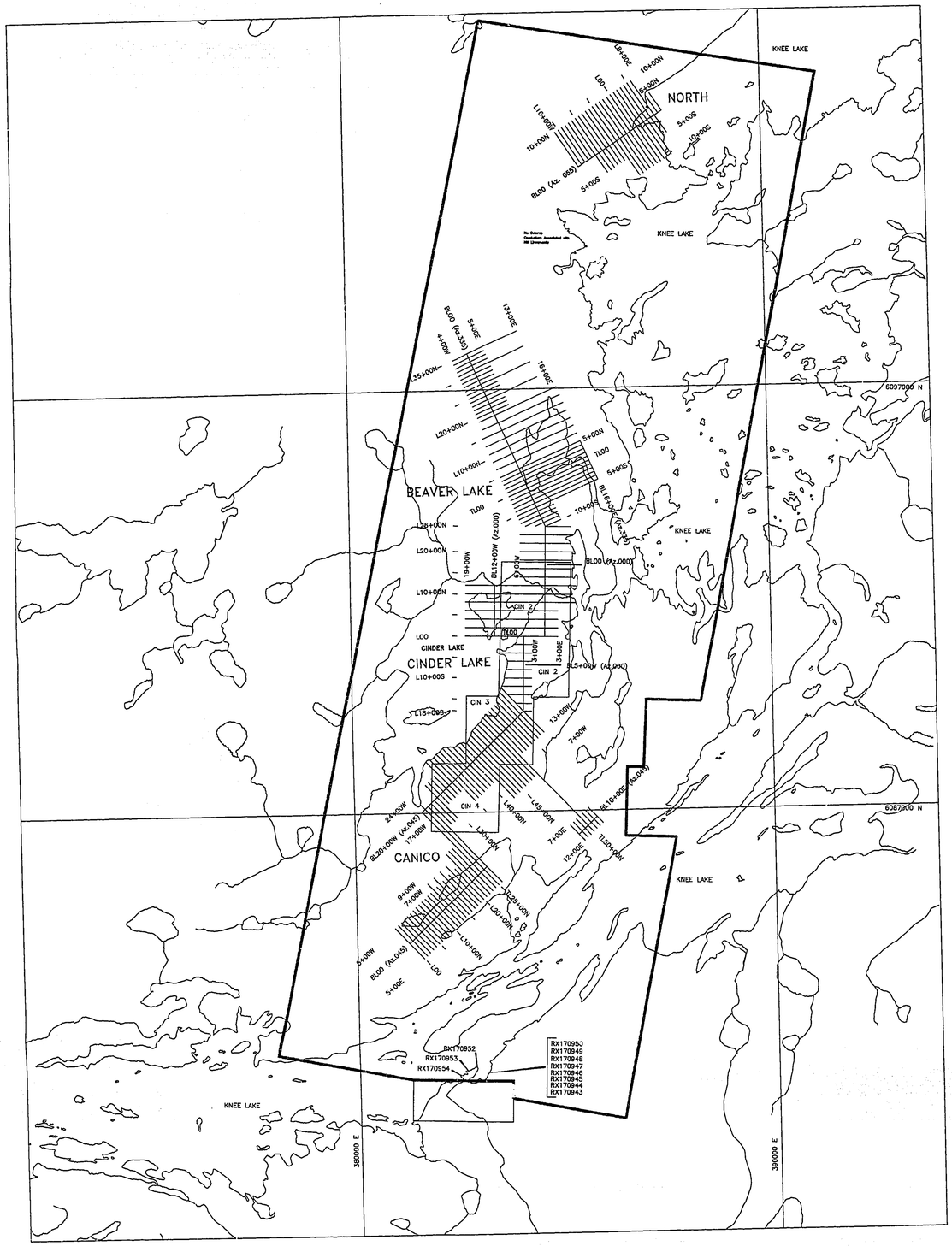
Fe Carb, Ca Carb	Iron carbonate, Calcium carbonate	GB, F, Sc	Graded bedding, Flame Structure, Scour
chl, serc	Chloritic, Sericitic	Tr	Trace
silfd, qv	Silicified, Quartz Vein	py, po, goss	Pyrite, Pyrrhotite, Gossan
gar	Garnet	cp, sp, Au	Chalcopyrite, Sphalerite, Gold
wkly, mody, stry	Weakly, Moderately, Strongly	mt, grpt	Magnetite, Graphite

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Thompson, Manitoba R8N 1S4

Project: Knee Lake		Area: Knee Lake, Manitoba 72752	
GEOLOGICAL SURVEY		SHEET S6	FIGURE
Supervisor: J.J. Hannila	Instrument:	Survey date: 06/93–08/93	
Compiled by: S.J. Mooney		Date drawn: 01/94	Revised:
Scale: 1:2,500	File: S6.DWG	N.T.S.: 53L/15, 53M/2	

24X



PERMIT BOUNDARY

RX222222 SAMPLE LOCATION, NUMBER WITH Au, Cu and Zn VALUE IF > 1.0 g/t Au, 0.1% Cu, 0.1% Zn

METRES 1000 0 1000 2000 3000 4000

SCALE

INCO EXPLORATION AND TECHNICAL SERVICES INC.
THOMPSON, MANITOBA R8N 1S4

Project: KNEE LAKE	Area: Knee Lake, Manitoba 72732		
PROSPECTING AND SAMPLE LOCATIONS		SHEET	FIGURE
Supervisor: J.J. HANNILA	Instrument:	Survey date:	
Compiled by: S.J. MOONEY	Drawn by: S.J. MOONEY	Date drawn: 04/25/94	Revised:
Scale: 1:50,000	File: 93KLPROS.DWG	N.T.S. 53L/15 53M/2	

CANICO LAKE

9+00W

7+00W

4+00E

L20+00N

SX200626 9 <20
SX200627 5 <20
SX199001 4 23
SX199001 5 <20
SX199001 6 34
SX199001 5 <20
SX200628 3 <20
SX200629 9 <20
SX200630 7 <20
SX200631 12 <20
SX199001 3 <20
SX200632 5 <20
SX199001 4 <20
SX200633 4 <20
SX199001 4 <20
SX200634 3 <20
SX200635 2 <20
SX199001 6 35
SX200636 2 <20
SX200637 1 23
SX200638 3 <20
SX200639 13 <20
SX200617 2 <20
SX200647 2 <20
SX200646 2 <20
SX200640 4 <30
SX200645 3 <20
SX200641 4 <20
SX200644 2 <20
SX200643 3 <20
SX200642 2 <20

Zn (ppm) 100 50
Cu (ppm) 10 30 50

SX200609 11 <20 <20
SX200610 9 25 25
SX200611 10 53 53
SX200612 7 26 26
SX200608 8 37
SX200613 4 <20 <20
SX200607 10 37
SX200614 3 <20 <20
SX200606 11 43
SX200615 3 23 23
SX200605 11 49
SX200616 4 <20 <20
SX200609 4 46
SX200603 10 45
SX200602 13 50
SX200601 4 25

KEY MAP

E8
F7 F8
G7 G8
I6 I7
J6 J7
K6 K7 K8
L6 L7 L8
M6 M7
N6 N7
O6 O7
P6 P7
Q6 Q7 Q8
R5 R6 R7
S5 S6

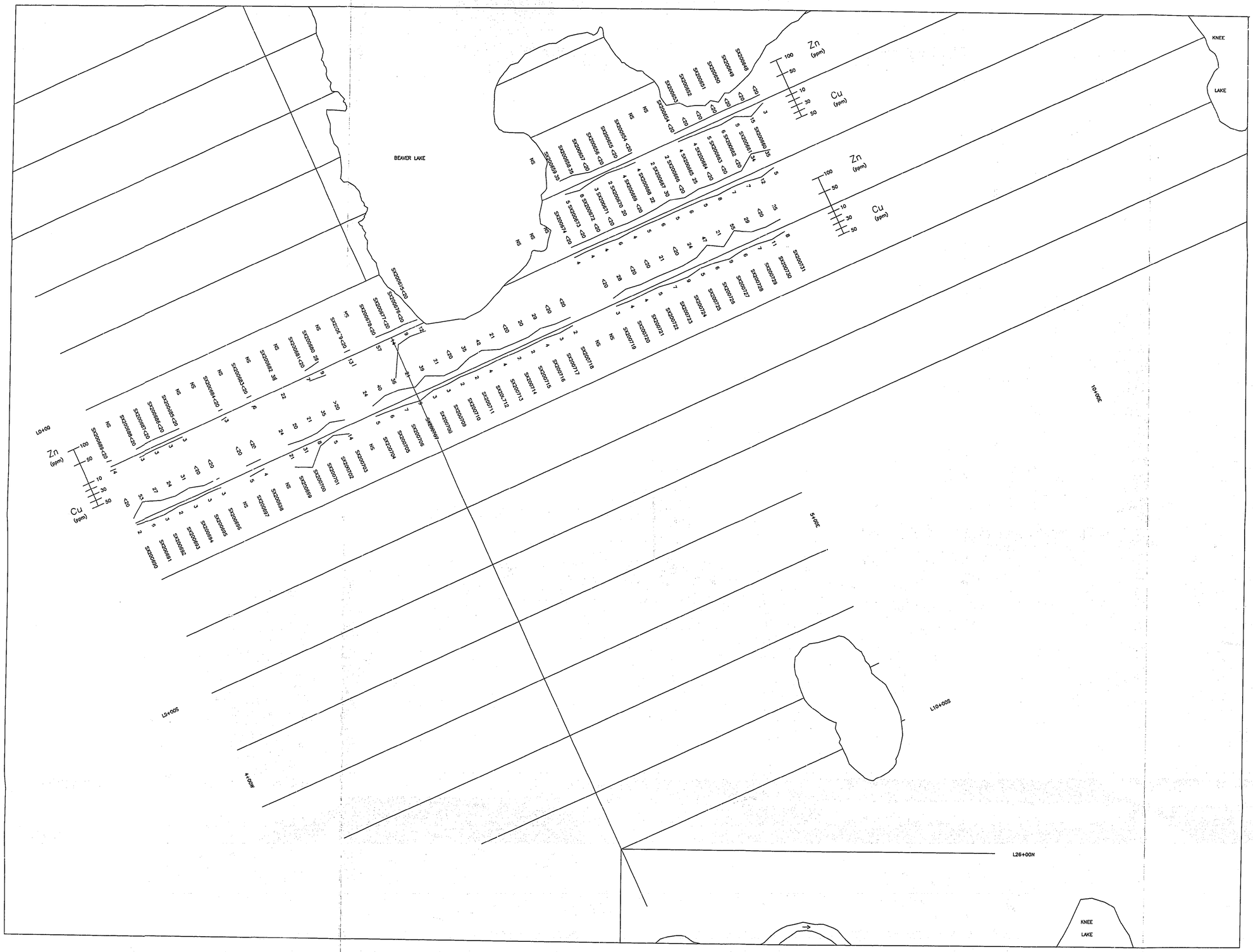
N

0 25 50 75 100 125 150 175 200
METRES

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

Project: Knee Lake		Area: Knee Lake, Manitoba 72752	
GEOCHEMICAL SURVEY Cu+Zn IN HUMUS		SHEET R6	FIGURE
Supervisor: J.J. Hanila	Instrument:	Survey date: 06/93-08/93	
Compiled by: S.J. Mooney	Drawn by: S.J.M.	Date drawn: 04/94	Revised:
Scale: 1:2,500	File: R6.DWG	N.T.S.: 53L/15, 53M/2	

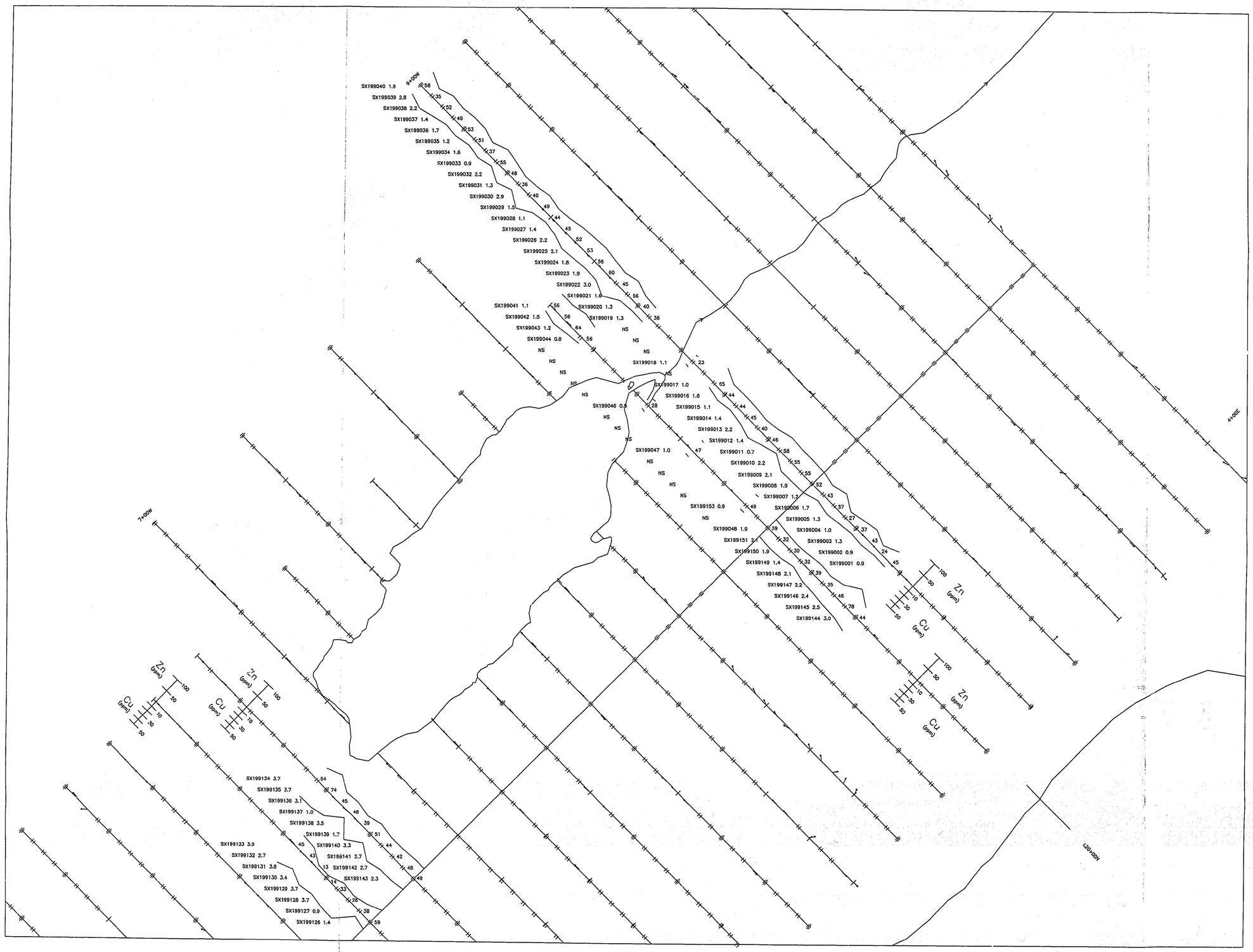
24X

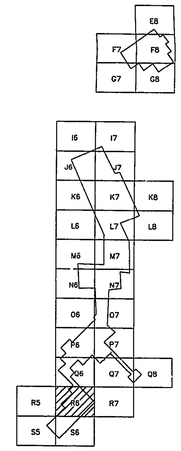


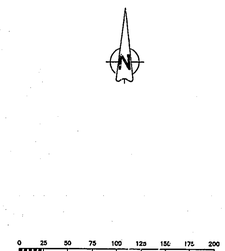
INCO EXPLORATION AND TECHNICAL SERVICES INC.
Thompson, Manitoba R8N 1S4

Project: Knee Lake	Area: Knee Lake, Manitoba	2752	
GEOCHEMICAL SURVEY Cu+Zn IN HUMUS		SHEET L7	FIGURE
Supervisor: J.J. Hannila	Instrument:	Survey date: 06/93-08/93	
Compiled by: S.J. Mooney	Drawn by: S.J.M.	Date drawn: 04/94	Revised:
Scale: 1:2,500	File: L7.DWG	N.T.S.: 53L/15, 53M/2	

24X



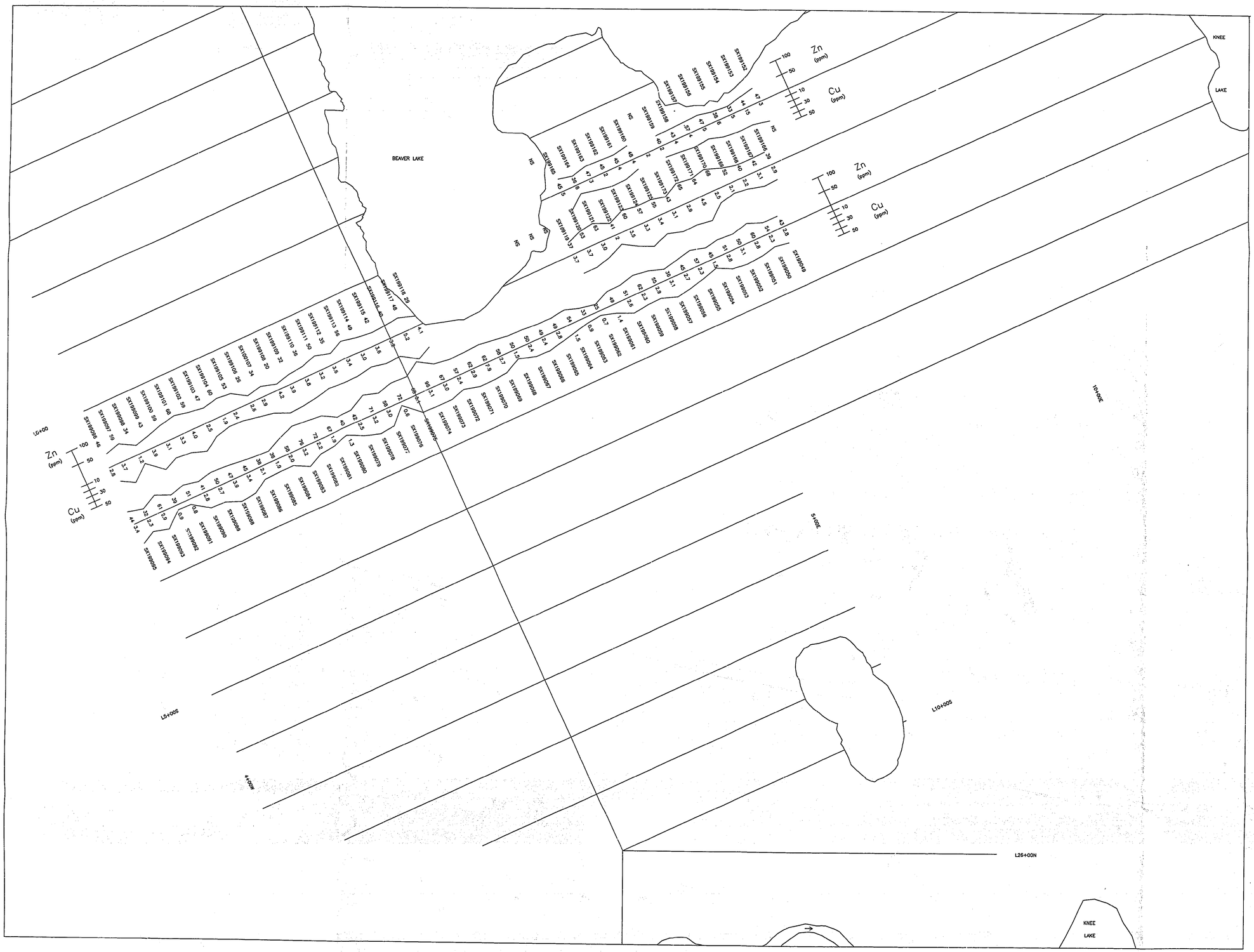




INCO EXPLORATION AND TECHNICAL SERVICES INC.
Thompson, Manitoba R8N 1S4

Project: Knee Lake	Area: Knee Lake, Manitoba 72752		
BIOGEOCHEMICAL SURVEY Cu+Zn IN SPRUCE BARK		SHEET R6	FIGURE
Supervisor: J.J. Hannila	Instrument:	Survey date: 06/93–08/93	
Compiled by: S.J. Mooney	Drawn by: S.J.M.	Date drawn: 04/94	Revised:
Scale: 1:2,500	File: R6.DWG	N.T.S.: 53L/15, 53M/2	

24X


BEAVER LAKE
KNEE
LAKE
Zn (ppm)
Cu (ppm)
100
50
10
50
50
SX198152
SX198153
SX198154
SX198155
SX198156
SX198157
SX198158
SX198159
SX198160
SX198161
SX198162
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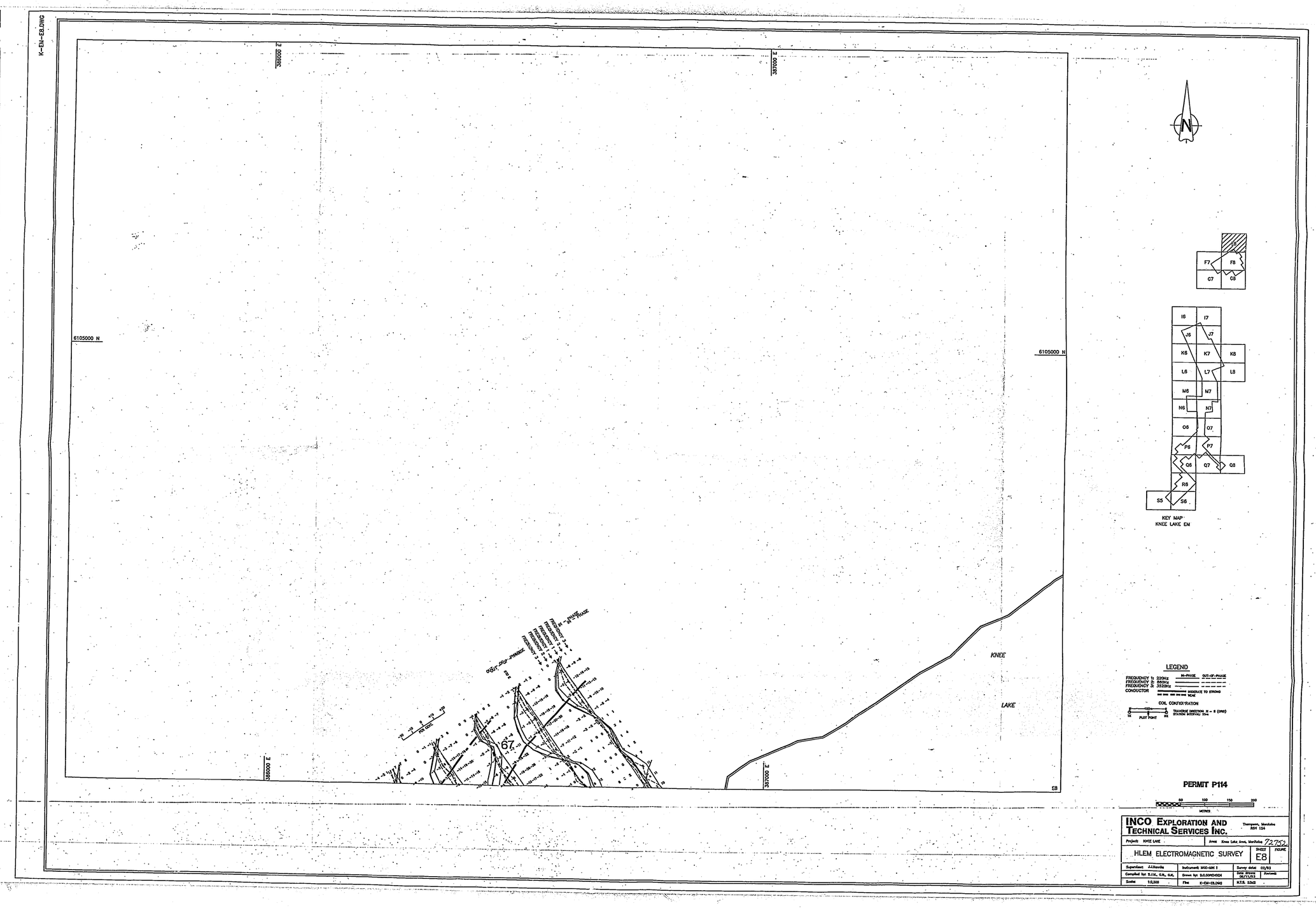
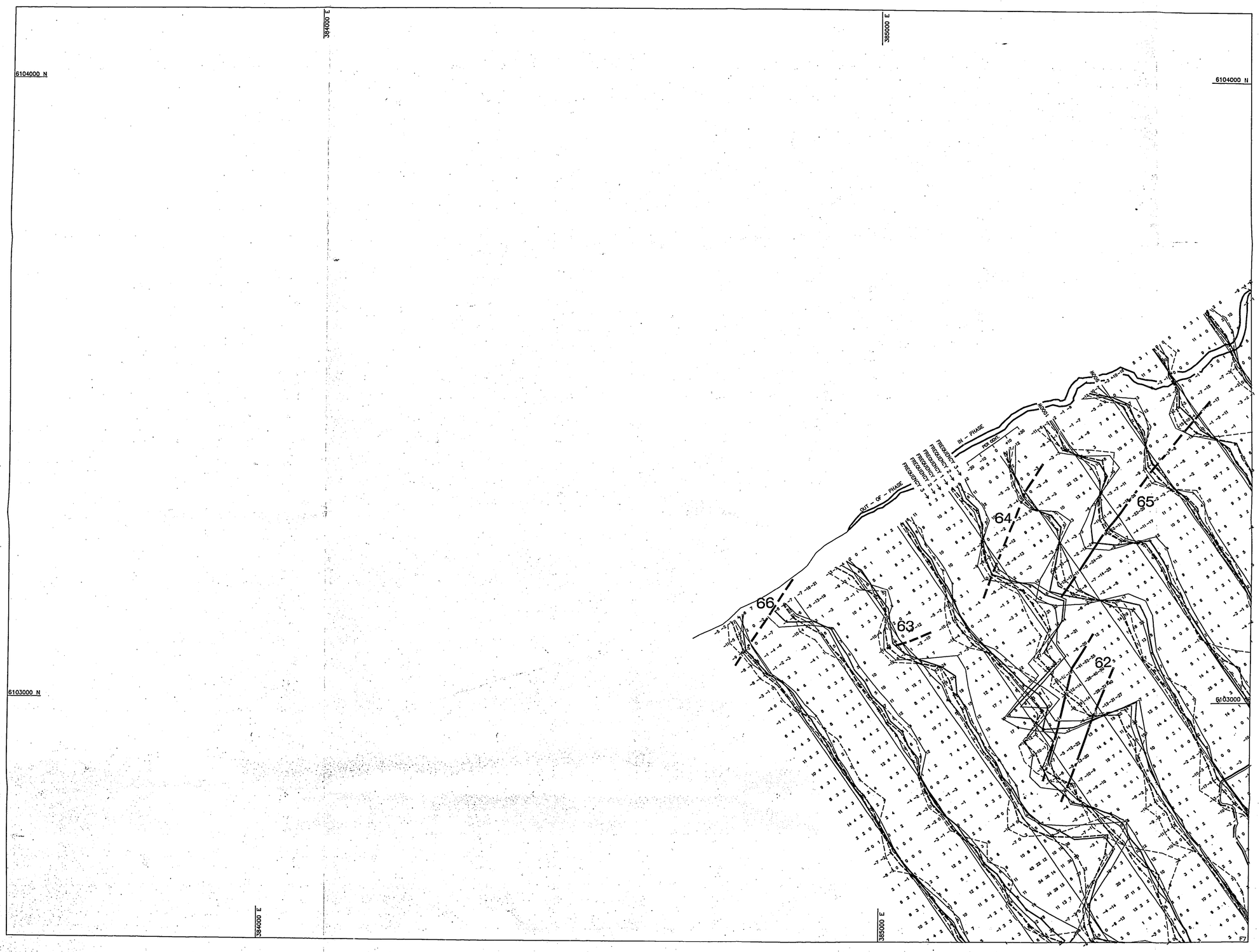
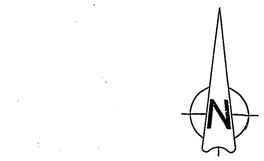
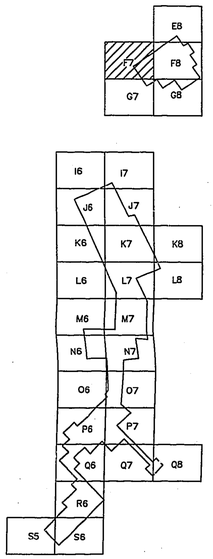

K-EM-E8.DWG
386000 E
387000 E
6105000 N
6105000 N
KNEE
LAKE
67
E8
N
KEY MAP
KNEE LAKE EM
LEGEND
FREQUENCY 1: 220Hz
FREQUENCY 2: 880Hz
FREQUENCY 3: 3520Hz
CONDUCTOR
COIL CONFIGURATION
PERMIT P114
INCO EXPLORATION AND TECHNICAL SERVICES INC.
Thompson, Manitoba R5H 1S4
Project: KNEE LAKE
Area: Knee Lake Area, Manitoba 72752
HLEM ELECTROMAGNETIC SURVEY
SHEET E8
FIGURE
Supervisor: J.J.Nevalle
Instrument: MAX-MIN I
Survey date: 02/93
Compiled by: S.J.M., G.R., G.K.
Drawn by: D.G.SORCHSON
Date drawn: 06/11/93
Revised:
Scale: 1:2,500
File: K-EM-E8.DWG
N.T.S. 53M2

30X

K-EM-F7.DWG







KEY MAP
KNEE LAKE EM

LEGEND

	IN-PHASE	OUT-OF-PHASE
FREQUENCY 1: 220Hz		
FREQUENCY 2: 880Hz		
FREQUENCY 3: 3520Hz		
CONDUCTOR	MODERATE TO STRONG	WEAK

COIL CONFIGURATION

100m
TX PLOT POINT RX

TRAVERSE DIRECTION: N - S (GRID)
STATION INTERVAL: 25m

PERMIT P114

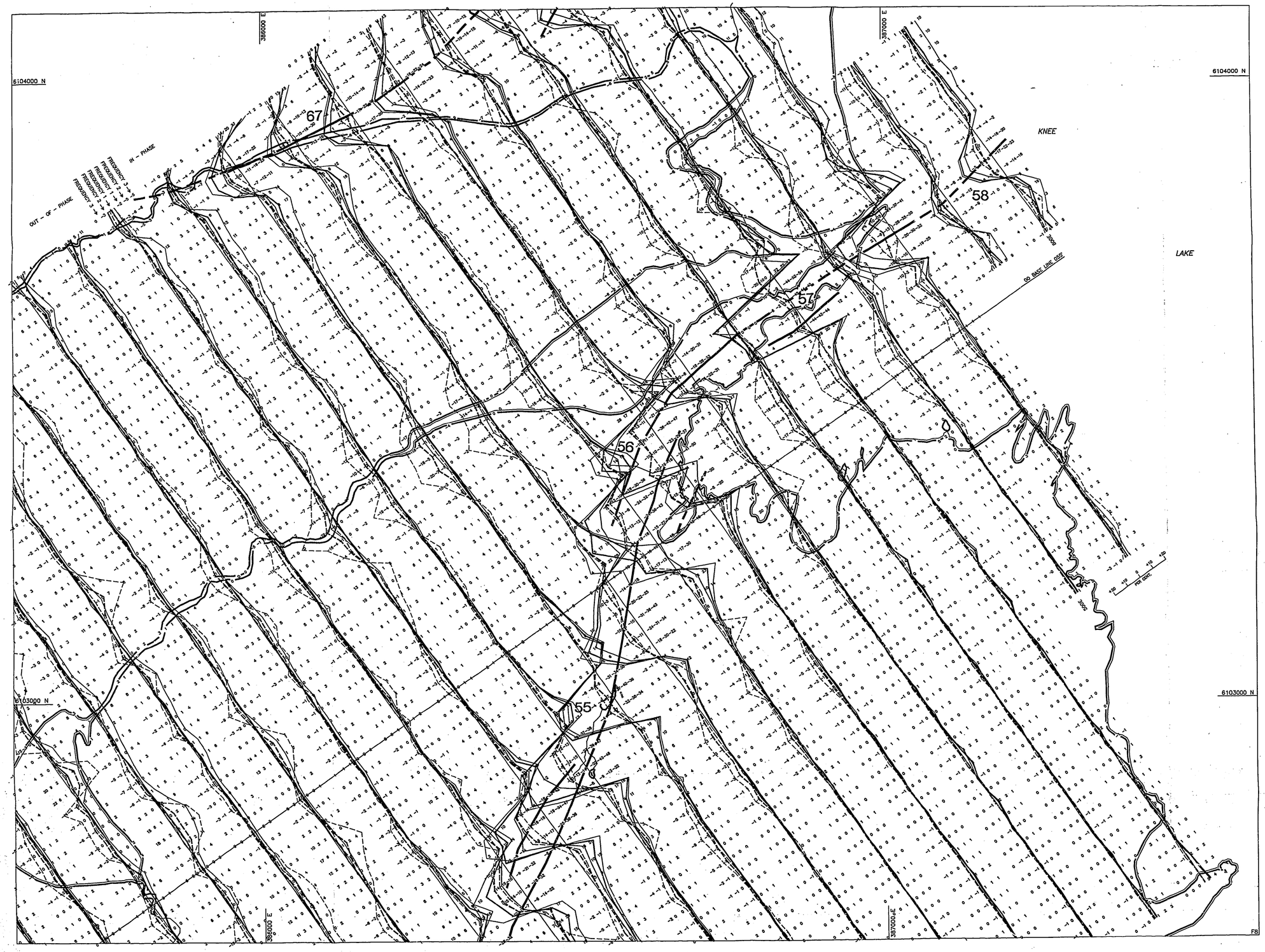
0 50 100 150 200
METRES

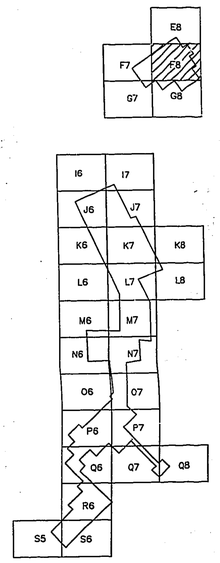
INCO EXPLORATION AND TECHNICAL SERVICES INC.
Thompson, Manitoba
R5N 1S4

Project: KNEE LAKE		Area: Knee Lake Area, Manitoba 72752	
HLEM ELECTROMAGNETIC SURVEY		SHEET F7	FIGURE
Supervisor: J.J.Hannila	Instrument: MAX-MIN I	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: D.C.SORENSEN	Date drawn: 08/11/93	Revised:
Scale: 1:2,500	File: K-EM-F7	N.T.S. 53M2	

24X

K-EM-F8.DWG





KEY MAP
KNEE LAKE EM

LEGEND

FREQUENCY 1: 220Hz
FREQUENCY 2: 880Hz
FREQUENCY 3: 3520Hz
CONDUCTOR

IN-PHASE
OUT-OF-PHASE
MODERATE TO STRONG
WEAK

COIL CONFIGURATION

100m
TX
PLOT POINT
RX
TRAVERSE DIRECTION: N - S (GRID)
STATION INTERVAL: 25m

PERMIT P114

0 50 100 150 200
METRES

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

Project: KNEE LAKE	Area: Knee Lake Area, Manitoba 72752
HLEM ELECTROMAGNETIC SURVEY	SHEET F8 / CURE

Supervisor: J.J.Hannila	Instrument: MAX-MIN I	Survey date: 02/93
Compiled by: S.J.M., G.R., G.K.	Drawn by: D.C.SORENSEN	Date drawn: 06/11/93 / Revised:
Scale: 1:2,500	File: K-EM-F8.DWG	N.T.S. 53M2

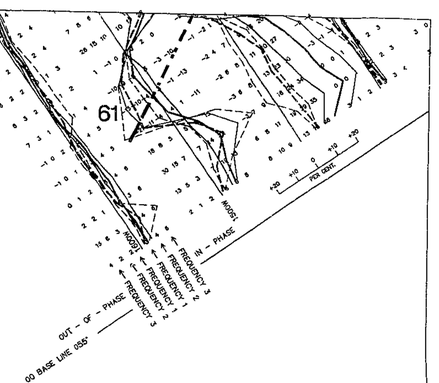
24X

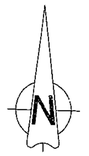
K-EM-G7.DWG

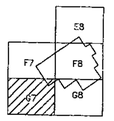
384000 E

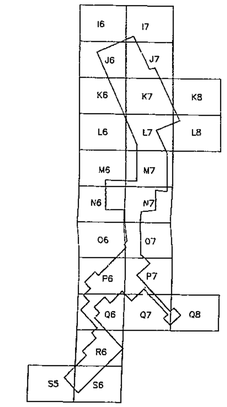
385000 E

6102000 N









KEY MAP
KNEE LAKE EM

384000 E

385000 E

KNEE

LAKE

G7

LEGEND

	IN-PHASE	OUT-OF-PHASE
FREQUENCY 1: 220Hz		
FREQUENCY 2: 880Hz		
FREQUENCY 3: 3520Hz		
CONDUCTOR	MODERATE TO STRONG	
	WEAK	

COIL CONFIGURATION

100m
TX PLOT POINT RX
TRAVERSE DIRECTION: N - S (GRID)
STATION INTERVAL: 25m

PERMIT P114

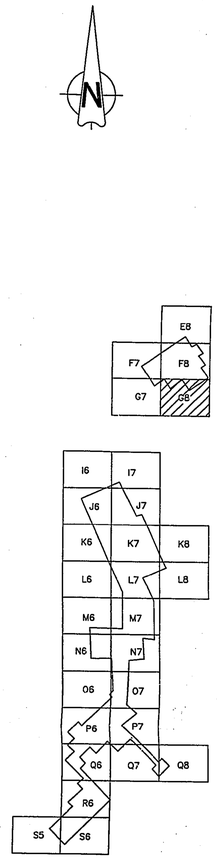
0 50 100 150 200
METRES

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

Project: KNEE LAKE	Area: Knee Lake Area, Manitoba	72752	
HLEM ELECTROMAGNETIC SURVEY		SHEET G7	FIGURE
Supervision: J.J.Mandia	Instrument: MAX-MIN I	Survey date: 02/03	
Compiled by: S.J.M., G.R., G.K.	Drawn by: D.G.SORENSEN	Date drawn: 08/11/03	Revised:
Scale: 1:2,500	File: K-EM-G7.DWG	N.T.S. 53A2	

24X

K-EM-G8.DWG



KEY MAP
KNEE LAKE EM

LEGEND

FREQUENCY 1: 220Hz — IN-PHASE — OUT-OF-PHASE
FREQUENCY 2: 880Hz
FREQUENCY 3: 3520Hz
CONDUCTOR — MODERATE TO STRONG — WEAK

COIL CONFIGURATION

100m
TX — PLOT POINT — RX
TRAVERSE DIRECTION: N - S (GRID)
STATION INTERVAL: 25m

PERMIT P114

0 50 100 150 200
METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.
Thompson, Manitoba
R5N 1S4

Project: KNEE LAKE	Area: Knee Lake Area, Manitoba 72752
HLEM ELECTROMAGNETIC SURVEY	SHEET G8 — FIGURE

Supervisor: J.J.Hannila	Instrument: MAX-MIN I	Survey date: 02/93
Compiled by: S.J.M., G.R., S.K.	Drawn by: D.C.SORENSEN	Date drawn: 08/11/93 — Revised:
Scale: 1:2,500	File: K-EM-G8.DWG	N.T.S. 53M2

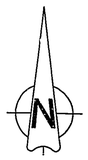
24X

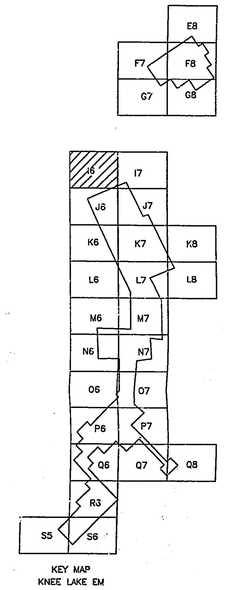
K-EM-16.DWG

382000 E

385000 E

6099000 N





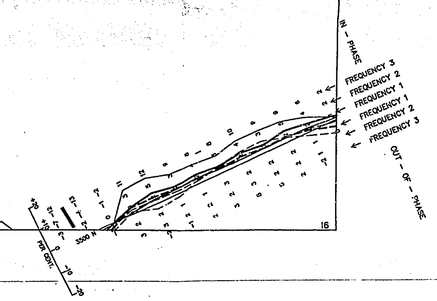
KEY MAP
KNEE LAKE EM

LEGEND

	IN-PHASE	OUT-OF-PHASE
FREQUENCY 1: 220Hz		
FREQUENCY 2: 880Hz		
FREQUENCY 3: 3520Hz		
CONDUCTOR	MODERATE TO STRONG	
	WEAK	

COIL CONFIGURATION

100m
TX — PLO. POINT — RX
TRAVERSE DIST. ON $\frac{E}{2}-\frac{E}{2}$ (GRID)
STATION INTERVAL: 25m



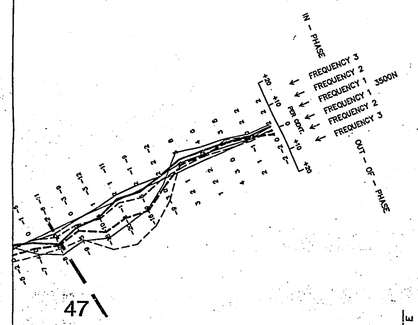
K-EM-17.DWG

384000 E

385000 E

6099000 N

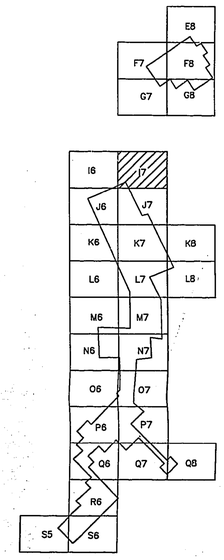
6099000 N



384000 E

385000 E

17



KEY MAP
KNEE LAKE EM

LEGEND

	IN-PHASE	OUT-OF-PHASE
FREQUENCY 1: 220Hz		
FREQUENCY 2: 880Hz		
FREQUENCY 3: 3520Hz		

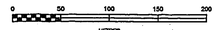
PROFILE SCALE: 1cm=10%

CONDUCTOR: MODERATE TO STRONG; WEAK

COIL CONFIGURATION

TRAVERSE DIRECTION: E - W (GRID)
STATION INTERVAL: 25m

PERMIT P114



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

Project: KNEE LAKE
Area: Knee Lake Area, Manitoba 72752

HLEM ELECTROMAGNETIC SURVEY
SHEET 17
FIGURE

Supervisor: J.J.Hanslo	Instrument: MAX-MIN I	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: D.C.SORENSEN	Date drawn: 08/11/93	Revised:
Scale: 1:2,500	File: K-EM-17.DWG	N.T.S. 53M2	

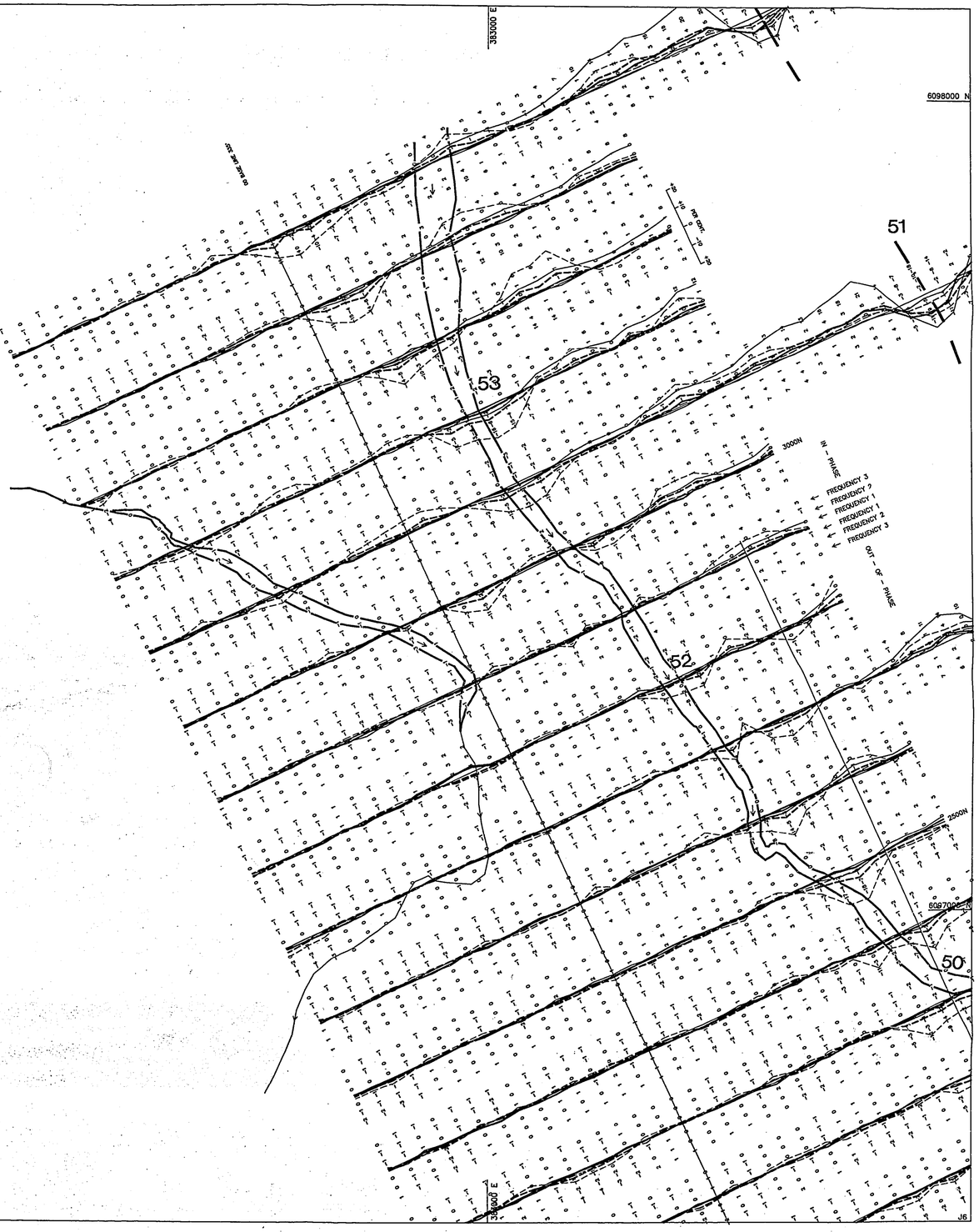
F-EM-J6.DWG

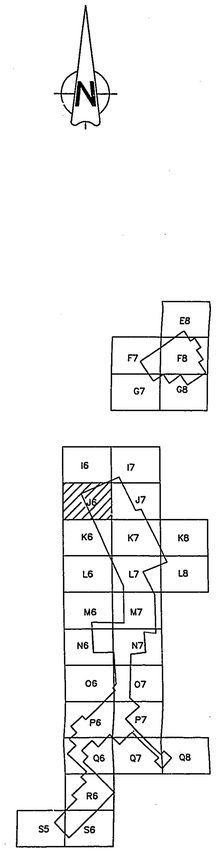
382000 E

383000 E

6098000 N

6097000 N





KEY MAP
KNEE LAKE EM

LEGEND

FREQUENCY 1: 220Hz — IN-PHASE — OUT-OF-PHASE
FREQUENCY 2: 880Hz
FREQUENCY 3: 3520Hz
PROFILE SCALE: 1cm=10%
CONDUCTOR — MODERATE TO STRONG — WEAK

COIL CONFIGURATION

TX — 100m — RX
PLOT POINT

TRAVERSE DIRECTION: E - W (GRID)
STATION INTERVAL: 25m

PERMIT P114

0 50 100 150 200
METRES

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

Project: KNEE LAKE	Area: Knee Lake Area, Manitoba		
HLEM ELECTROMAGNETIC SURVEY		SHEET J6	FIGURE
Supervisor: J.J.Mancilla	Instrument: MAX-MIN I	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: D.D.CORENSEN	Data drawn: 06/11/93	Revised:
Scale: 1:2,500	File: K-EM-J6.DWG	N.T.S. 53A2	

24X

K-EM-J7.DWG

384000 E

385000 E

6098000 N

6097000 N

39

47

49

1700N

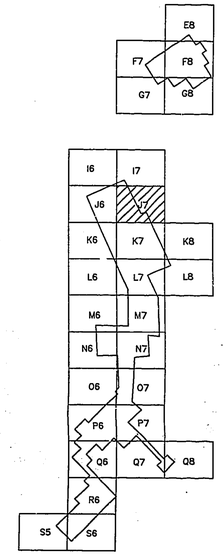
2000N

IN - PHASE

FREQUENCY 3
FREQUENCY 2
FREQUENCY 1

FREQUENCY 1
FREQUENCY 2
FREQUENCY 3

OUT OF - PHASE



KEY MAP
KNEE LAKE EM

LEGEND

FREQUENCY 1: 22GHz — IN-PHASE
FREQUENCY 2: 880Hz — OUT-OF-PHASE
FREQUENCY 3: 3520Hz
PROFILE SCALE: 1cm=10%
CONDUCTOR — MODERATE TO STRONG
- - - - WEAK

COIL CONFIGURATION

100m
TX — PLOT POINT — RX

TRAVERSE DIRECTION: E - W (GRID)
STATION INTERVAL: 25m

PERMIT P114

0 50 100 150 200
METRES

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

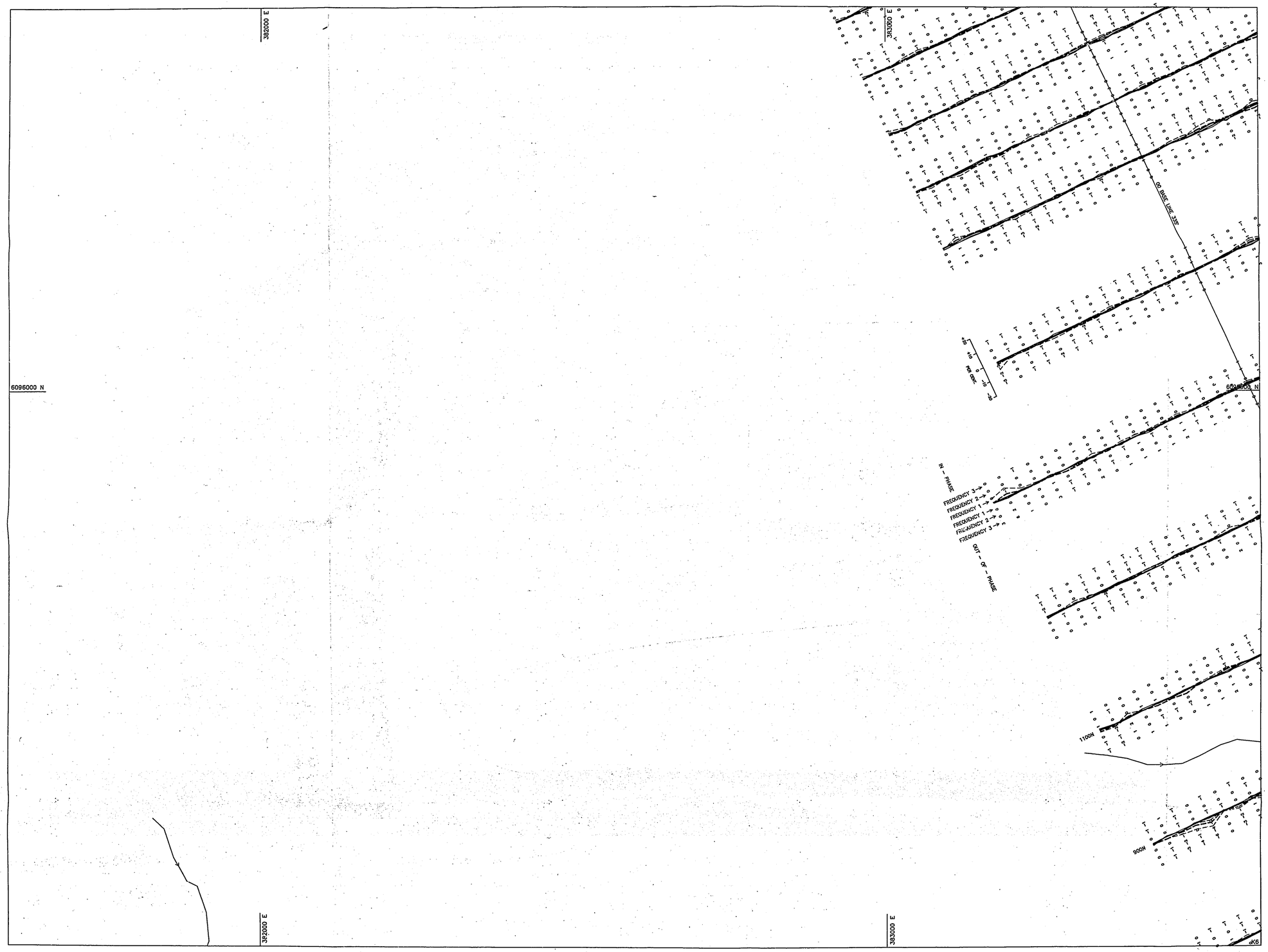
Project: KNEE LAKE
Area: Knee Lake Area, Manitoba 72.752

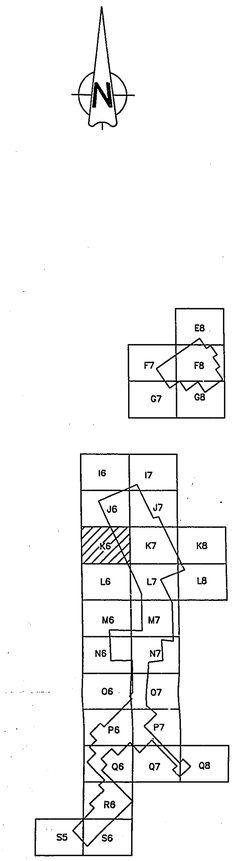
HLEM ELECTROMAGNETIC SURVEY
SHEET J7
FIGURE

Supervisor: J.J.Hannila	Instrument: MAX-MIN I	Survey date: 02/93	
Compiled by: S.A.M., G.R., G.K.	Drawn by: D.C.SORENSEN	Date drawn: 08/11/93	Revised:
Scale: 1:2,500	File: K-EM-J7.Dwg	N.T.S. 53M2	

J7

K-EM-K6.DWG





KEY MAP
KNEE LAKE EM

LEGEND

	IN-PHASE	OUT-OF-PHASE
FREQUENCY 1: 220Hz		
FREQUENCY 2: 880Hz		
FREQUENCY 3: 3520Hz		

PROFILE SCALE: 1cm=10%

CONDUCTOR — MODERATE TO STRONG; WEAK

COIL CONFIGURATION

100m — TX — PLOT POINT — RX

TRAVERSE DIRECTION: E - W (GRID)
STATION INTERVAL: 25m

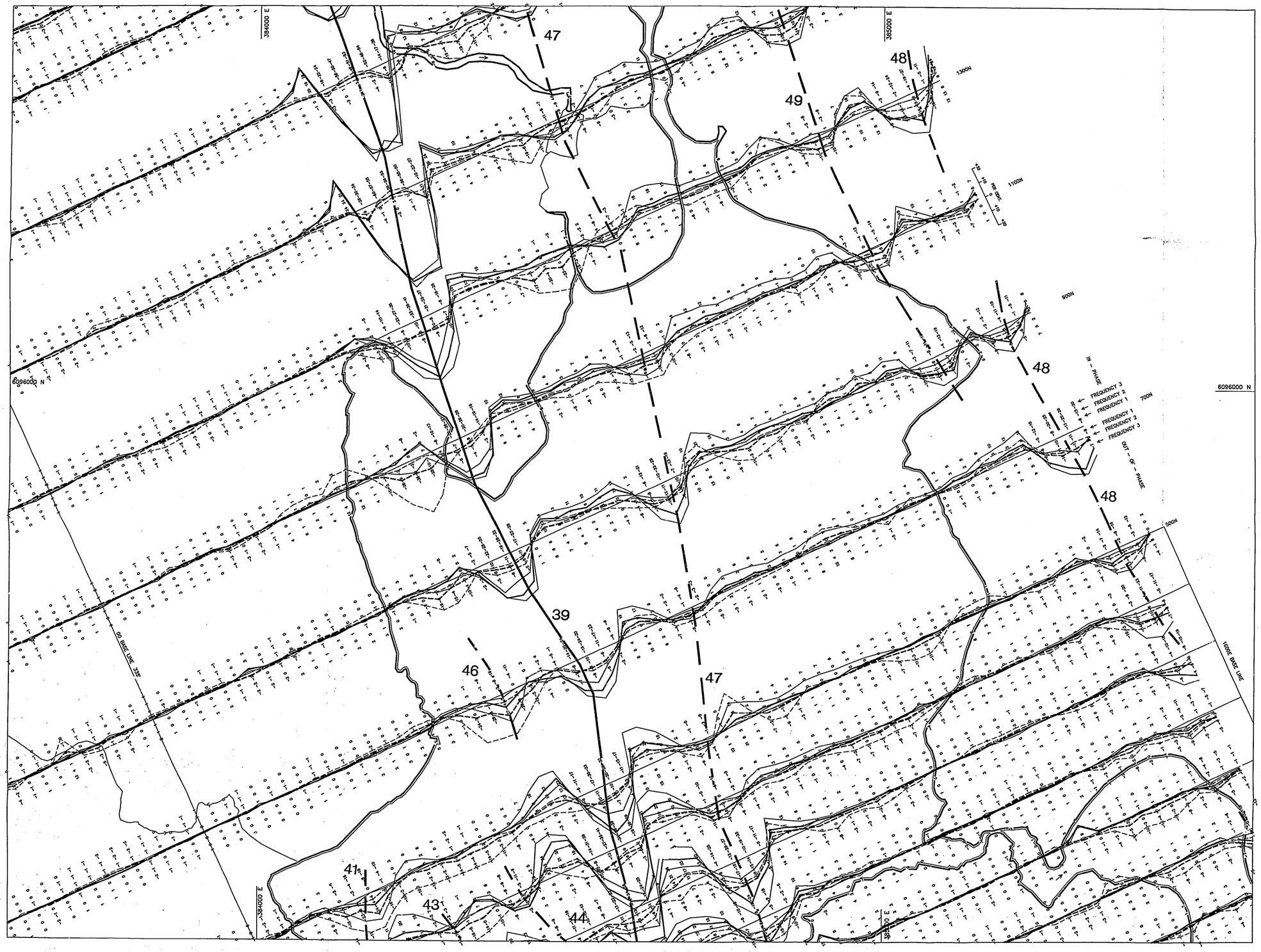
PERMIT P114

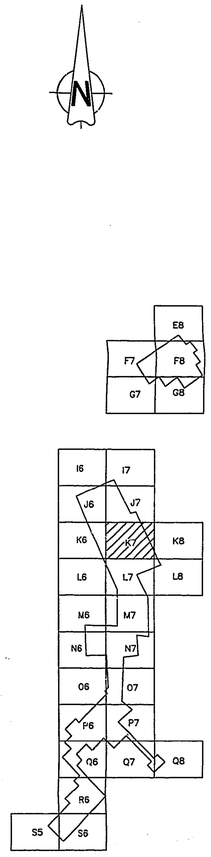
0 50 100 150 200
METRES

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

Project: KNEE LAKE	Area: Knee Lake Area, Manitoba 72752		
HLEM ELECTROMAGNETIC SURVEY		SHEET K6	FIGURE
Supervisor: J.J.Hannila	Instrument: MAX-MIN I	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: D.C.SORENSEN	Date drawn: 08/11/93	Revised:
Scale: 1:2,500	File: K-EM-K6.DWG	N.T.S. 53M2	

K-EM-K7.DWG





KEY MAP
KNEE LAKE EM

LEGEND

	IN-PHASE	OUT-OF-PHASE
FREQUENCY 1: 220Hz		
FREQUENCY 2: 880Hz		
FREQUENCY 3: 3520Hz		
PROFILE SCALE: 1cm=10%		
CONDUCTOR	MODERATE TO STRONG	
	WEAK	

COIL CONFIGURATION

100m
TX — PLOT POINT — RX

TRAVERSE DIRECTION: E - W (GRID)
STATION INTERVAL 25m

PERMIT P114

0 50 100 150 200
METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.
Thompson, Manitoba R8N 1S6

Project: KNEE LAKE	Area: Knee Lake Area, Manitoba 72752		
HLEM ELECTROMAGNETIC SURVEY		SHEET K7	FIGURE
Supervisor: J.J.Hamilla	Instrument: MAX-MIN I	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: D.C.SORENSEN	Date drawn: 08/11/93	Revised:
Scale: 1:2,500	File: K-EM-K7.DWG	N.T.S. 52M2	

24X

K-EM-K8.DWG

386000 E

387000 E

KNEE

LAKE

6096000 N

6096000 N

KNEE

LAKE

1000E BASE LINE

IN - PHASE

← FREQUENCY 3
← FREQUENCY 2
← FREQUENCY 1
← FREQUENCY 1
← FREQUENCY 2
← FREQUENCY 3

OUT - OF - PHASE

386000 E

387000 E

K8

N

E8
F7 F8
G7 G8

I6 I7
J6 J7
K6 K7 K8
L6 L7 L8
M6 M7
N6 N7
O6 O7
P6 P7
Q6 Q7 Q8
R6
S5 S6

KEY MAP
KNEE LAKE EM

LEGEND

FREQUENCY 1: 220Hz — IN-PHASE
FREQUENCY 2: 580Hz — OUT-OF-PHASE
FREQUENCY 3: 3520Hz
PROFILE SCALE: 1cm=10%
CONDUCTOR — MODERATE TO STRONG — WEAK

COIL CONFIGURATION

100m
TX — PLOT POINT — RX

TRANSMIT DIRECTION: E – W (GRID)
STATION INTERVAL: 25m

PERMIT P114

0 50 100 150 200
METRES

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

Project: KNEE LAKE		Area: Knee Lake Area, Manitoba	72752
HLEM ELECTROMAGNETIC SURVEY		SHEET K8	FIGURE
Supervisor: J.J.Hanvila	Instrument: MAX-MIN I	Survey dates: 02/03	
Compiled by: S.J.M., G.R., G.K.	Drawn by: D.C SORENSEN	Date drawn: 05/1 /03	Revised:
Scale: 1:2,500	File: K-EM-K8.DWG	N.T.S. 1-3M2	

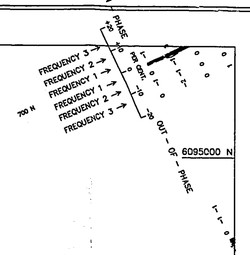
K-EM-L6.DWG

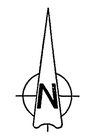
382000 E

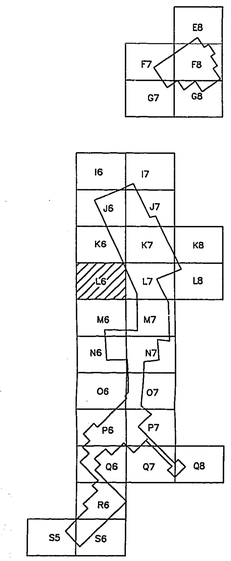
383000 E

6095000 N

6094000 N





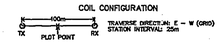


KEY MAP
KNEE LAKE EM

LEGEND

FREQUENCY 1: 220Hz — IN-PHASE — OUT-OF-PHASE
FREQUENCY 2: 880Hz
FREQUENCY 3: 3520Hz
PROFILE SCALE: 1cm=10%
CONDUCTOR — MODERATE TO STRONG — WEAK

COIL CONFIGURATION



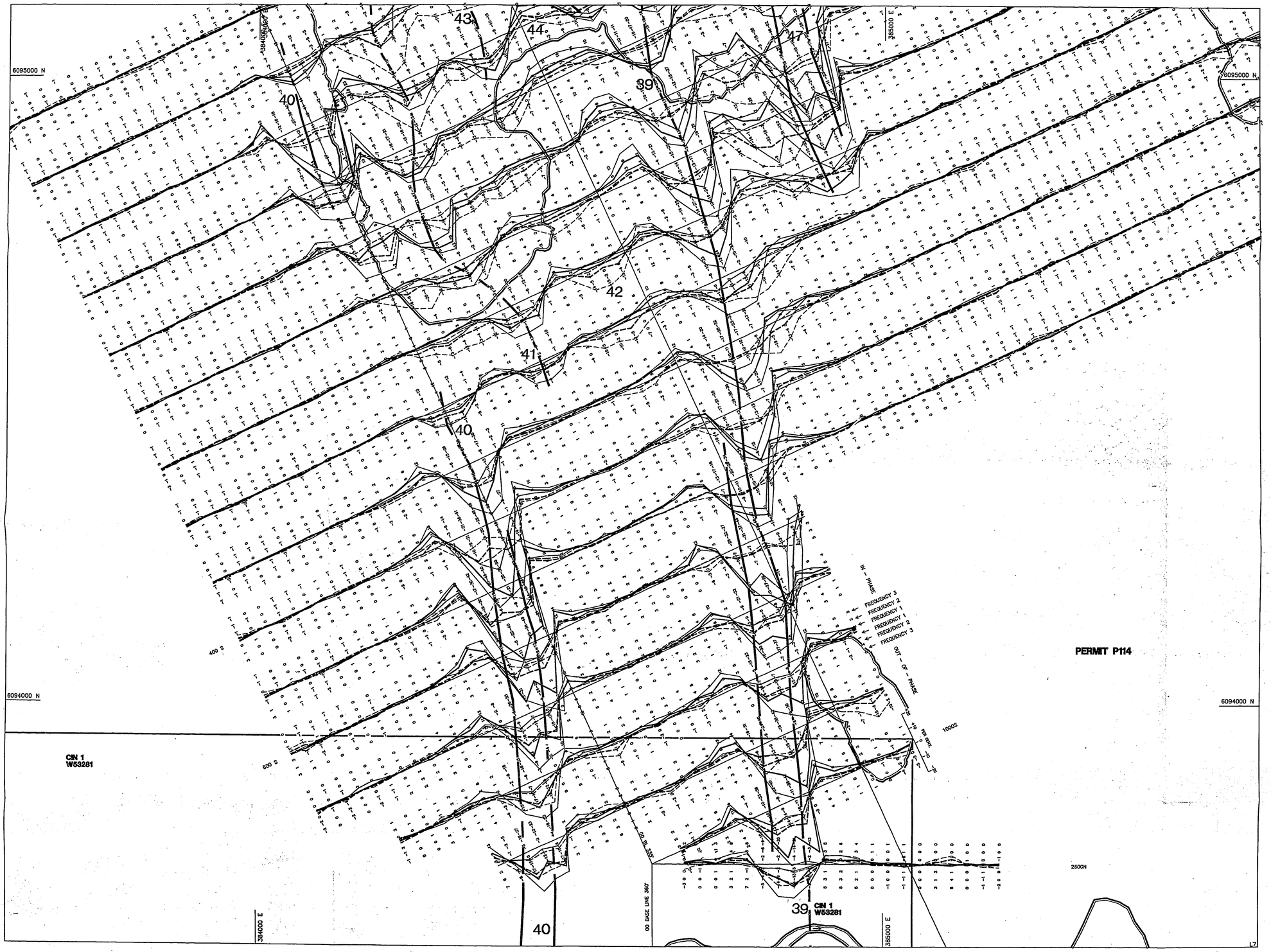
PERMIT P114

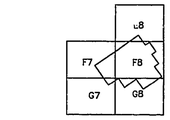
0 50 100 150 200
METRES

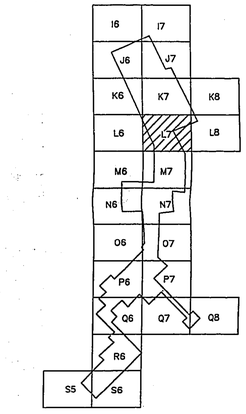
INCO EXPLORATION AND TECHNICAL SERVICES INC.
Thompson, Manitoba R8N 1S4

Project: KNEE LAKE	Area: Knee Lake Area, Manitoba		2752
HLEM ELECTROMAGNETIC SURVEY		SHEET L6	FIGURE
Supervisor: J.J.Hanilla	Instrument: MAX-MIN II	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: D.C.SORENSEN	Date drawn: 06/11/93	Revised:
Scale: 1:2,500	File: K-EM-L6.DWG	N.T.S. 53M2	

K-EM-L7.DWG







KEY MAP
KNEE LAKE EM

LEGEND

FREQUENCY 1: 220Hz	IN-PHASE	OUT-OF-PHASE
FREQUENCY 2: 880Hz		
FREQUENCY 3: 3520Hz		
PROFILE SCALE: 1cm=10%		
CONDUCTOR	MODERATE TO STRONG	
	WEAK	

COIL CONFIGURATION

100m
TX — PLOT POINT — RX

TRAVERSE DIRECTION: E – W (GRID)
STATION INTERVAL: 25m

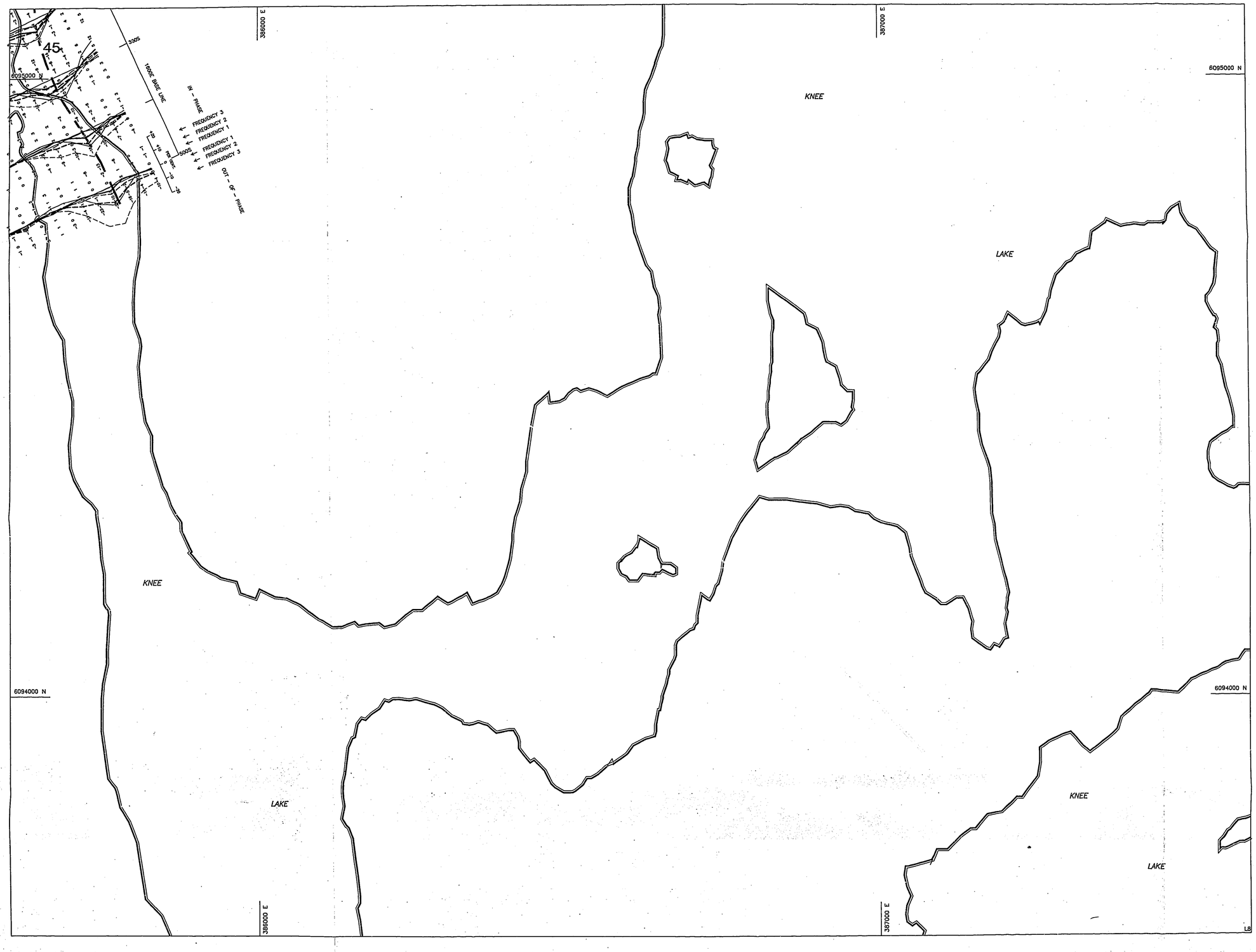
0 50 100 150 200
METRES

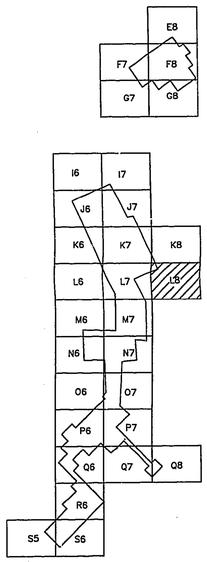
INCO EXPLORATION AND TECHNICAL SERVICES INC.
Thompson, Manitoba R8N 1S4

Project: KNEE LAKE	Area: Knee Lake Area, Manitoba 72 752		
HLEM ELECTROMAGNETIC SURVEY		SHEET L7	FIGURE
Supervisor: J.J.Hannila	Instrument: MAX-MIN I	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.C.	Drawn by: D.C.SORENSEN	Date drawn: 08/11/93	Revised:
Scale: 1:2,500	File: K-EM-L7.DWG	N.T.S. 53M2	

24X

K-EM-L8.DWG





KEY MAP
KNEE LAKE EM

LEGEND

FREQUENCY 1: 220Hz
FREQUENCY 2: 880Hz
FREQUENCY 3: 3520Hz
PROFILE SCALE: 1cm=10%
CONDUCTOR
IN-PHASE
OUT-OF-PHASE
MODERATE TO STRONG
WEAK
COIL CONFIGURATION
100m
TX
PLOT POINT
RX
TRAVERSE DIRECTION: E - W (GRID)
STATION INTERVAL: 25m

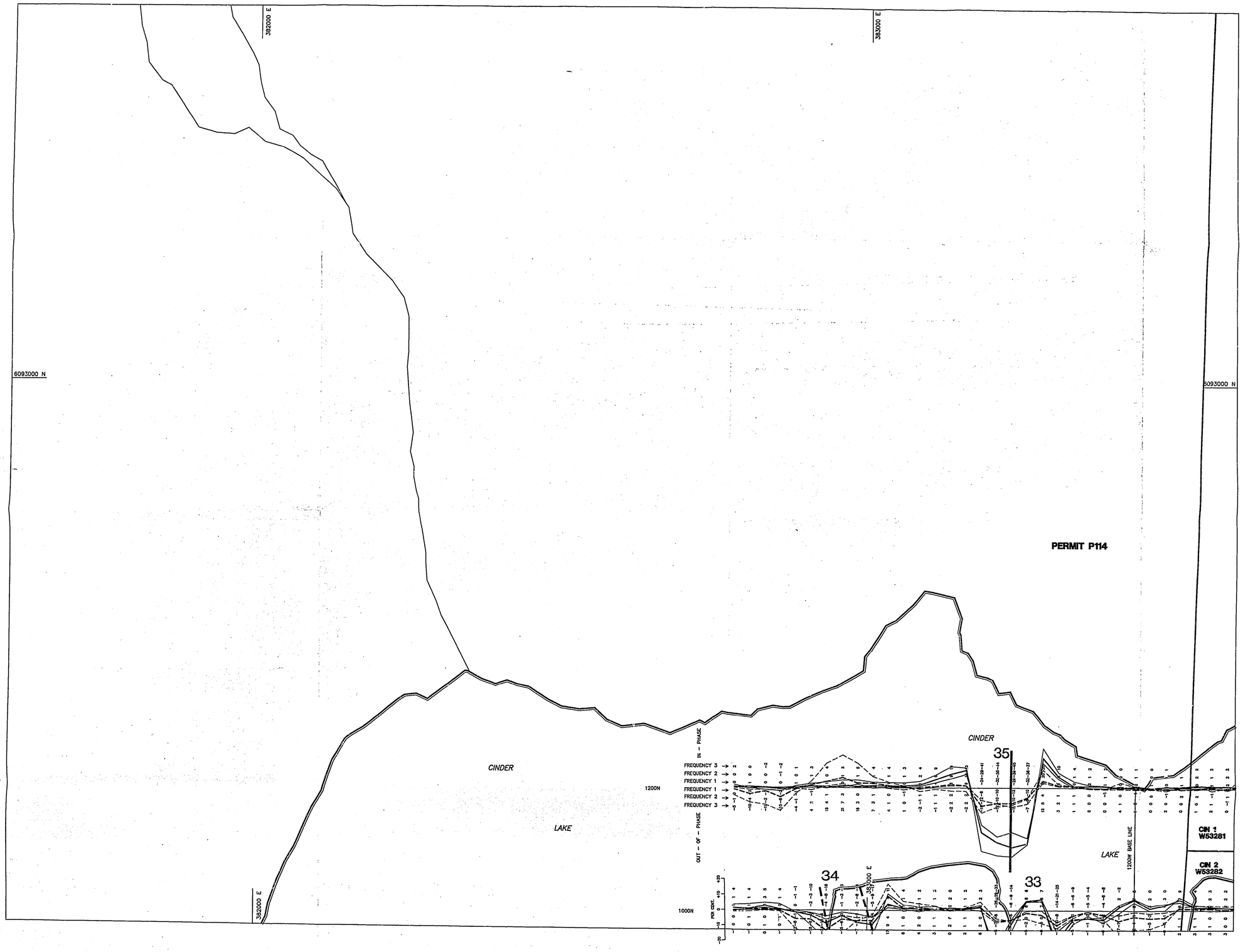
PERMIT P114

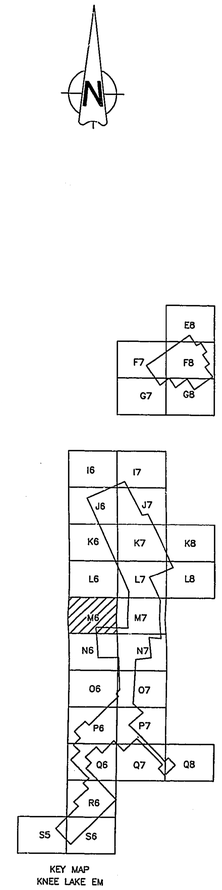
0 50 100 150 200
METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.
Thompson, Manitoba
R5N 1S4

Project: KNEE LAKE	Area: Knee Lake Area, Manitoba		72752
HLEM ELECTROMAGNETIC SURVEY		SHEET L8	FIGURE
Supervisor: J.J.Hannila	Instrument: MAX-MIN I	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: D.C.SORENSEN	Date drawn: 08/11/93	Revised:
Scale: 1:2,500	File: K-EM-L8.DWG	N.T.S. 53M2	

K-EM-K6.DWG





KEY MAP
KNEE LAKE EM

LEGEND

FREQUENCY 1: 220Hz
FREQUENCY 2: 880Hz
FREQUENCY 3: 3520Hz
PROFILE SCALE: 1cm=10%
CONDUCTOR
IN-PHASE
OUT-OF-PHASE
MODERATE TO STRONG
WEAK
COIL CONFIGURATION
TX
100m
PLOT POINT
RX
TRAVERSE DIRECTION: E - W (GRID)
STATION INTERVAL: 25m

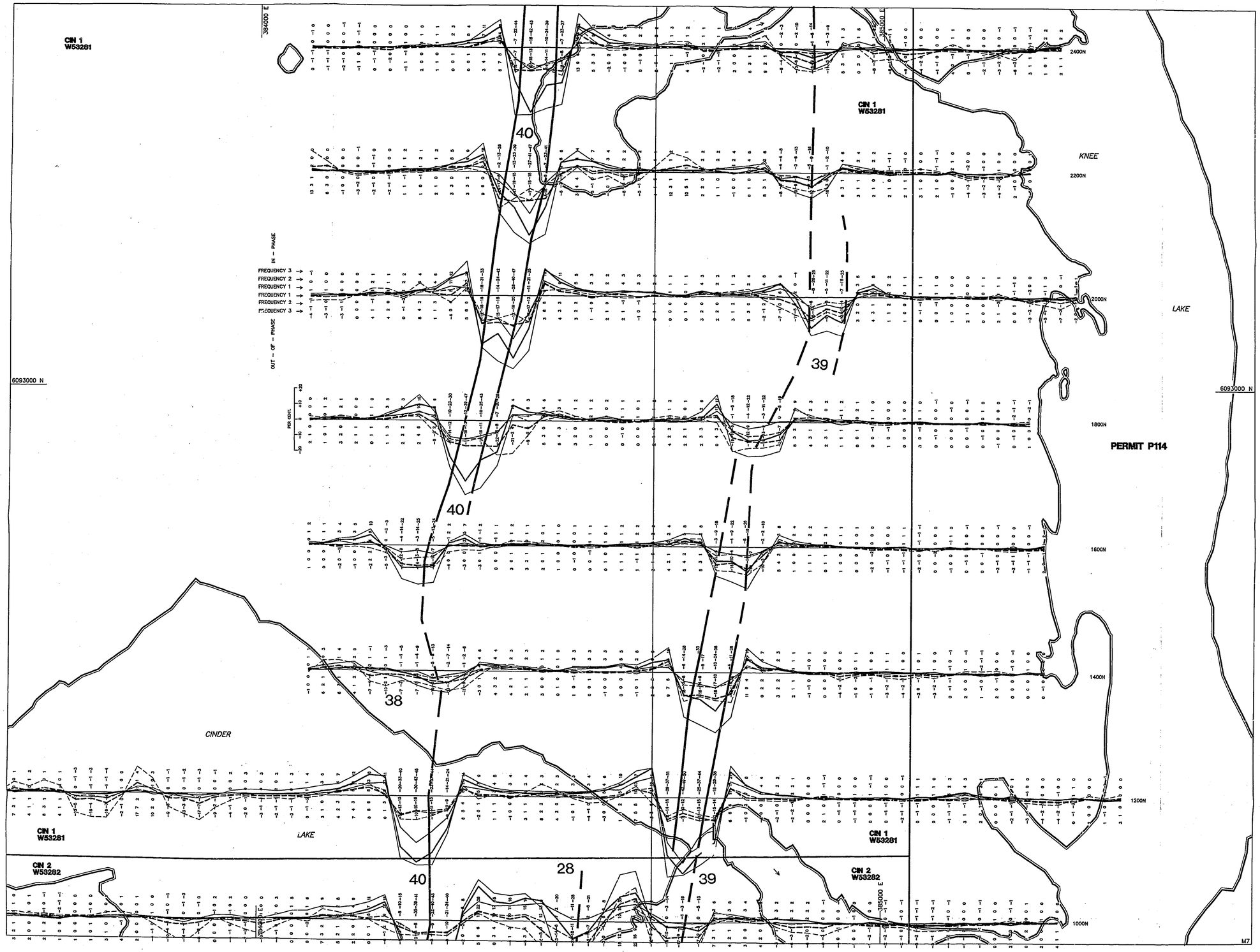
0 50 100 150 200
METRES

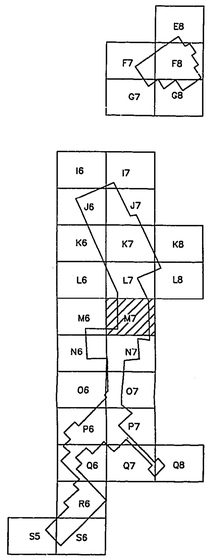
72752

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

Project: KNEE LAKE		Area: Knee Lake Area, Manitoba	
HLEM ELECTROMAGNETIC SURVEY		SHEET M6	FIGURE
Supervisor: J.J.Hannila	Instrument: MAX-MIN I	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: D.C.SORENSEN	Date drawn: 08/11/93	Revised:
Scale: 1:2,500	File: K-EM-M6.DWG	N.T.S. 53M2	

24X





KEY MAP
KNEE LAKE EM

LEGEND

FREQUENCY 1: 220Hz — IN-PHASE — OUT-OF-PHASE
FREQUENCY 2: 880Hz
FREQUENCY 3: 3520Hz
PROFILE SCALE: 1cm=10%
CONDUCTOR — MODERATE TO STRONG — WEAK

COIL CONFIGURATION

TX — 100m — RX
PLOT POINT

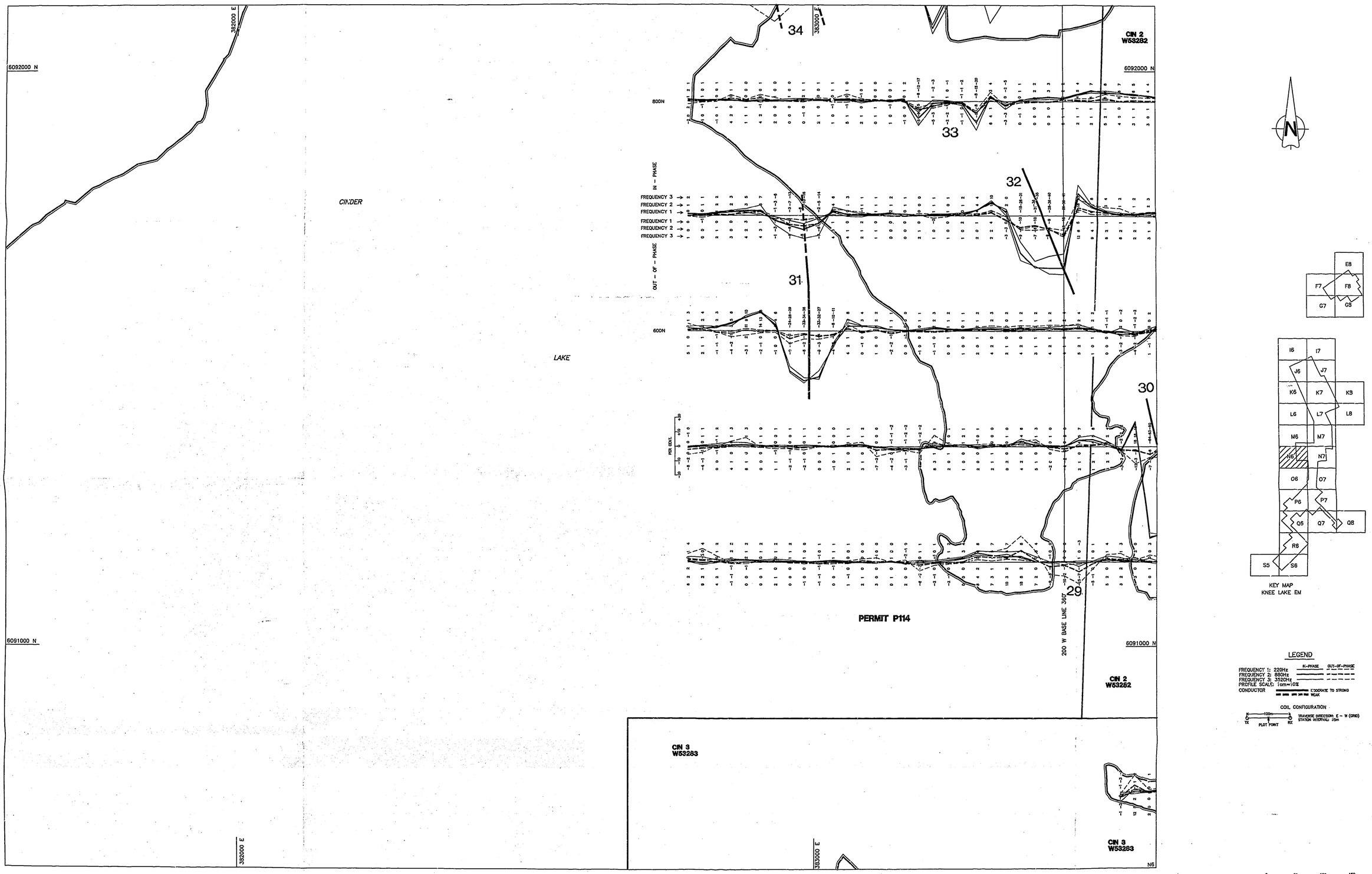
TRAVERSE DIRECTION: E - W (GRID)
STATION INTERVAL: 25m

0 50 100 150 200
METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC. Thompson, Manitoba R8N 1S4 72752

Project: KNEE LAKE	Area: Knee Lake Area, Manitoba		
HLEM ELECTROMAGNETIC SURVEY		SHEET M7	FIGURE
Supervisor: J.J.Hannila	Instrument: MAX-MIN I	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: D.C.SORENSEN	Date drawn: 08/11/93	Revised:
Scale: 1:2,500	File: K-EM-M7.DWG	N.T.S. 53M2	

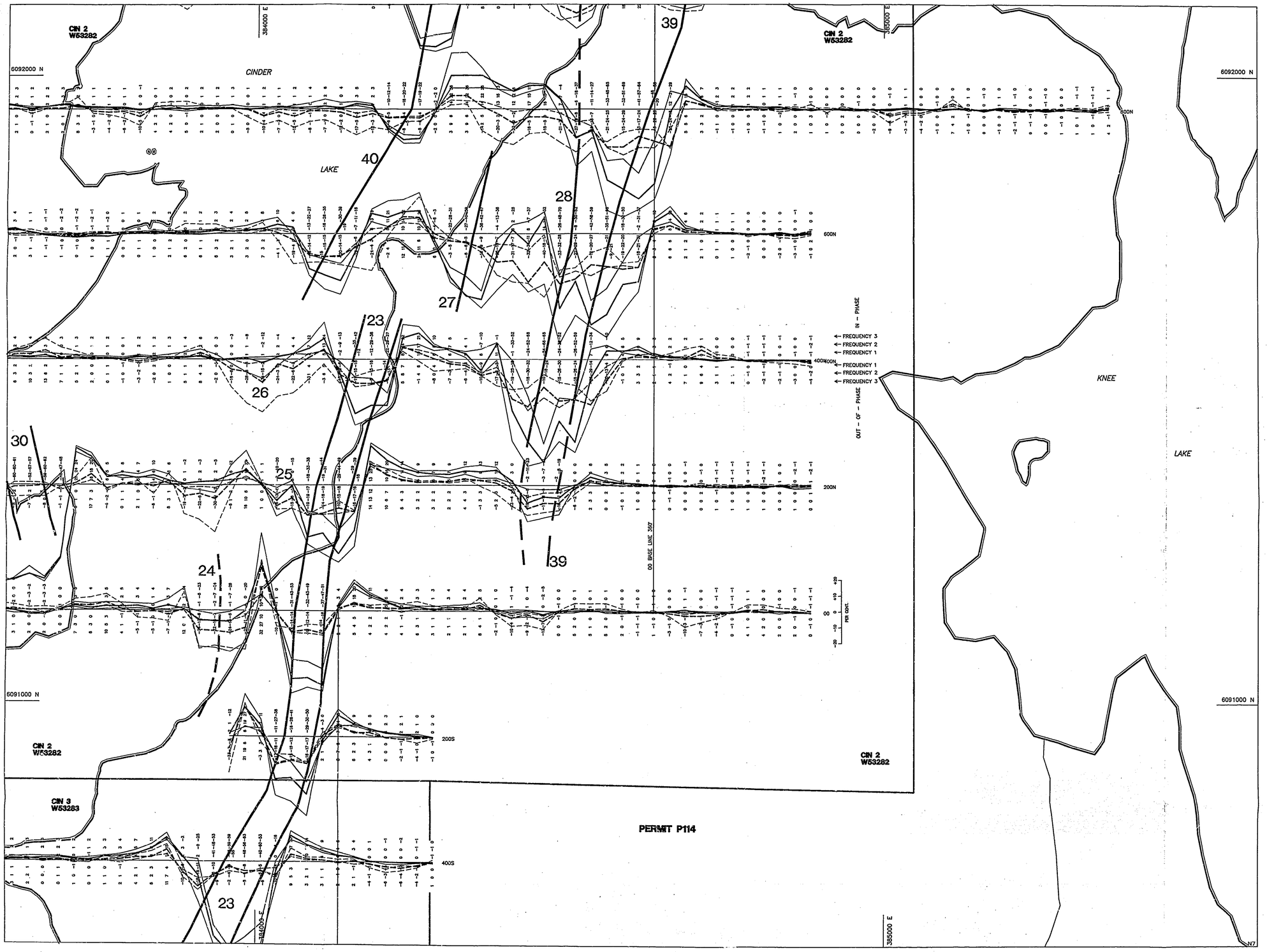
K-EM-M7.DWG

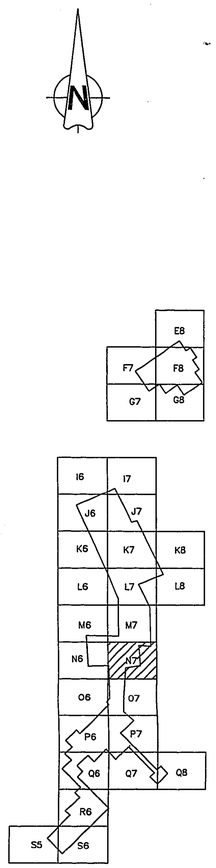


INCO EXPLORATION AND TECHNICAL SERVICES INC.

Thompson, Manitoba
RBN 154
72752

Project: KNEE LAKE		Area: Knee Lake Area, Manitoba	
HLEM ELECTROMAGNETIC SURVEY		SHEET N6	FIGURE
Supervisor: J.J.Hargrave	Instrument: MAX-MIN I	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: D.C.SORENSEN	Date drawn: 08/11/93	Revised:
Scale: 1:2,500	File: K-EM-N6.DWG	N.T.S. 53M2	





KEY MAP
KNEE LAKE EM

LEGEND

FREQUENCY 1: 220Hz
FREQUENCY 2: 880Hz
FREQUENCY 3: 3520Hz
PROFILE SCALE: 1cm=10%
CONDUCTOR — MODERATE TO STRONG; WEAK

IN-PHASE — OUT-OF-PHASE

COIL CONFIGURATION

100m — TX — PLOT POINT — RX

TRAVERSE DIRECTION: E - W (GRID)
STATION INTERVAL: 25m

0 50 100 150 200
METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.

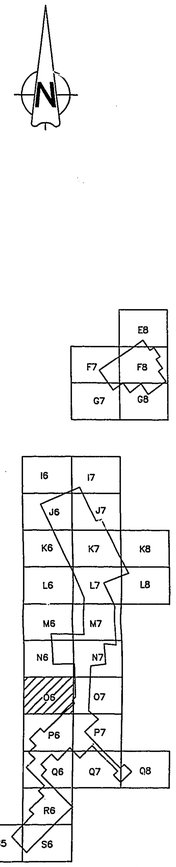
Thompson, Manitoba
RSN 154
72752

Project: KNEE LAKE		Area: Knee Lake Area, Manitoba	
HLEM ELECTROMAGNETIC SURVEY		SHEET N7	FIGURE
Supervisor: J.J.Hannila	Instrument: MAX-MIN I	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: D.C.SORENSEN	Date drawn: 08/11/93	Revised:
Scale: 1:2,500	File: K-EM-N7.DWG	H.T.S. 53x2	

K-EM-N7.DWG

24X

K-EM-06.DWG



KEY MAP
KNEE LAKE EM

LEGEND

	IN-PHASE	OUT-OF-PHASE
FREQUENCY 1: 220Hz		
FREQUENCY 2: 880Hz		
FREQUENCY 3: 3520Hz		
PROFILE SCALE: 1cm=10%		
CONDUCTOR	MODERATE TO STRONG	
	WEAK	

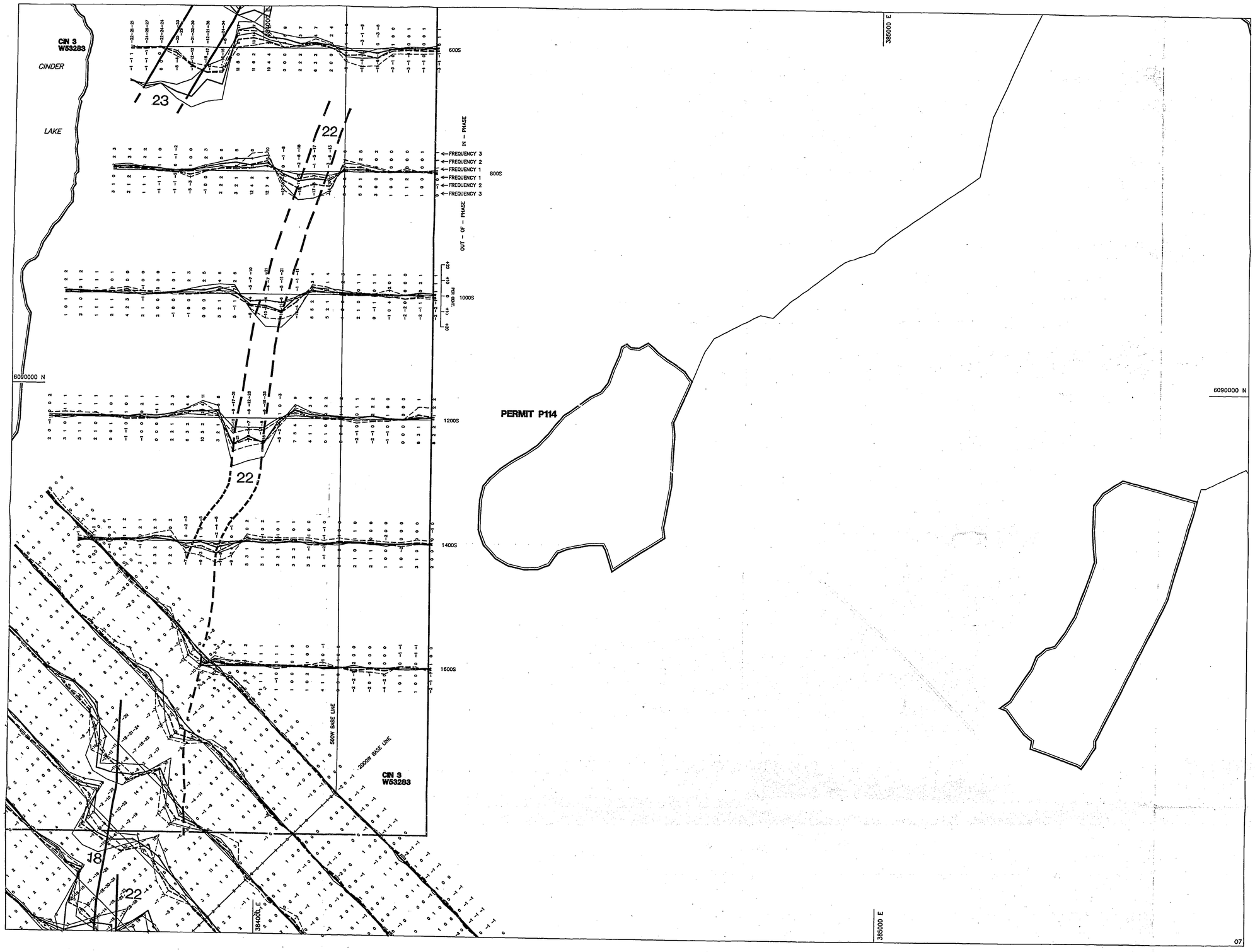
COIL CONFIGURATION

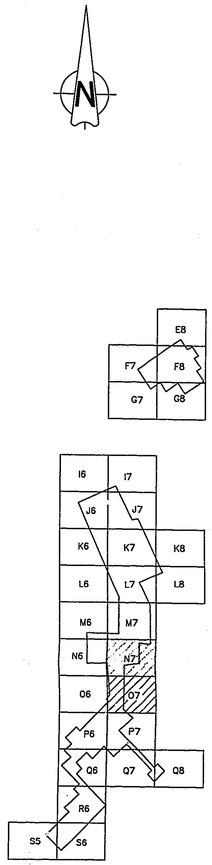
TX 100m RX
PLOT POINT
TRAVERSE DIRECTION: E - W (GRID)
STATION INTERVAL: 25m

0 50 100 150 200
METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.
Thompson, Manitoba R8N 1S4
72752

Project: KNEE LAKE		Area: Knee Lake Area, Manitoba	
HLEM ELECTROMAGNETIC SURVEY		SHEET 06	FIGURE
Supervisor: J.J.Hannila	Instrument: MAX-MIN I	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: D.C.SORENSEN	Date drawn: 08/11/93	Revised:
Scale: 1:2,500	File: K-EM-06.DWG	N.T.S. 53M2	





KEY MAP
KNEE LAKE EM

LEGEND

	IN-PHASE	OUT-OF-PHASE
FREQUENCY 1: 220Hz		
FREQUENCY 2: 880Hz		
FREQUENCY 3: 3520Hz		

PROFILE SCALE: 1cm=10%

CONDUCTOR — MODERATE TO STRONG; WEAK

COIL CONFIGURATION

TX — 100m — RX; PLOT POINT

TRAVERSE DIRECTION: E – W (GRID)
STATION INTERVAL: 25m

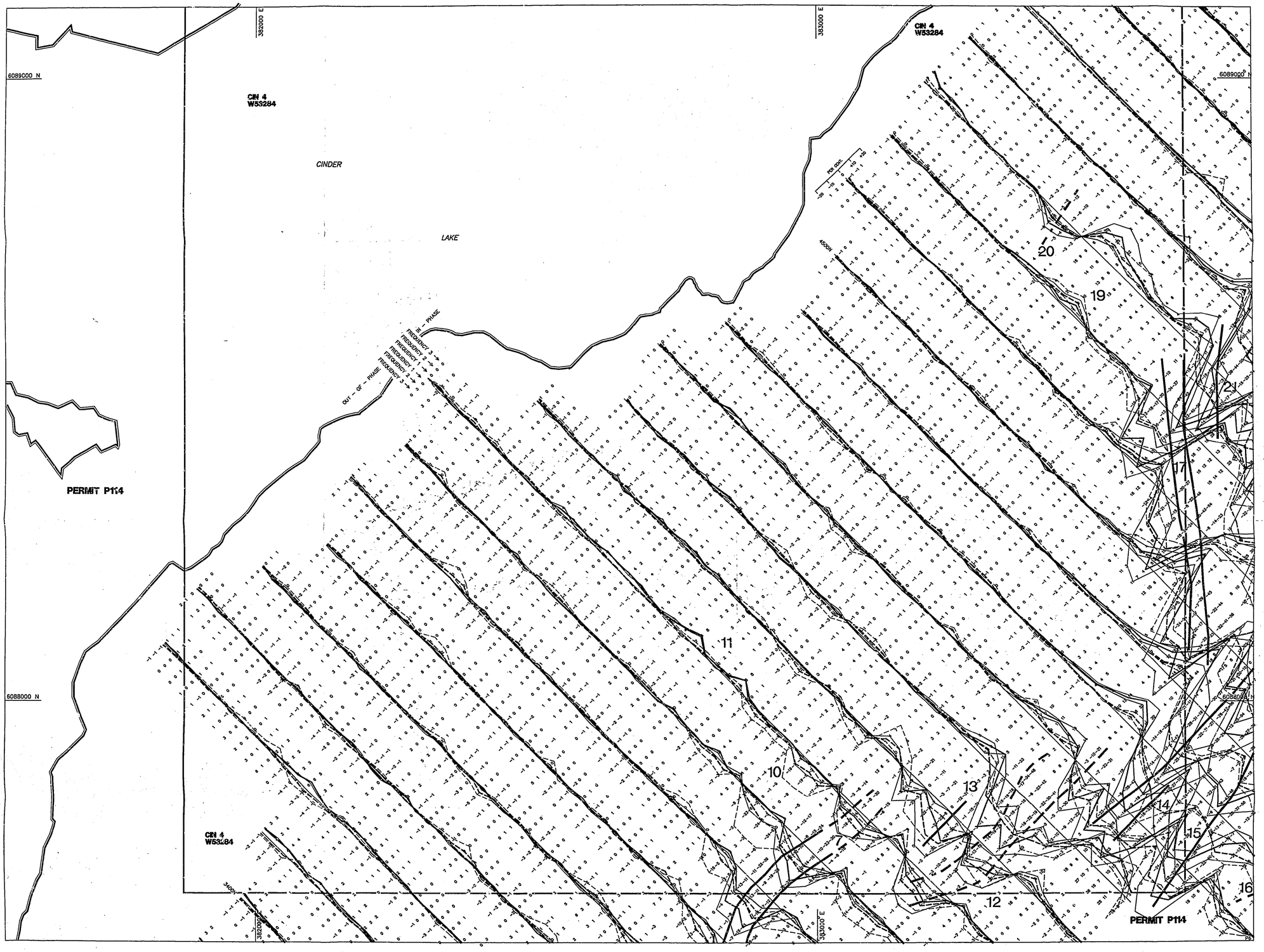
0 50 100 150 200
METRES

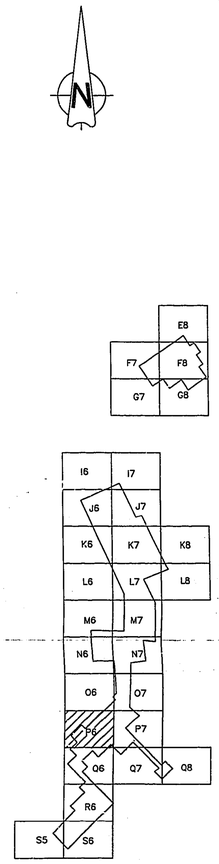
INCO EXPLORATION AND TECHNICAL SERVICES INC. Thompson, Manitoba R5N 1S4 72752

Project: KNEE LAKE	Area: Knee Lake Area, Manitoba		
HLEM ELECTROMAGNETIC SURVEY		SHEET 07	FIGURE
Supervisor: J.J.Hannila	Instrument: MAX-MIN I	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: D.C.SORENSEN	Date drawn: 08/11/93	Reviewed:
Scale: 1:2,500	File: K-EM-07.DWG	N.T.S. 53M2	

K-EM-07.DWG

K-EM-P6.DWG





KEY MAP
KNEE LAKE EM

LEGEND

	IN-PHASE	OUT-OF-PHASE
FREQUENCY 1: 220Hz		
FREQUENCY 2: 880Hz		
FREQUENCY 3: 3520Hz		
PROFILE SCALE: 1cm=10%		
CONDUCTOR	MODERATE TO STRONG	
	WEAK	

COIL CONFIGURATION

TX 100m RX
PLOT POINT

TRAVERSE DIRECTION: E - W (GRID)
STATION INTERVAL: 25m

0 50 100 150 200
METRES

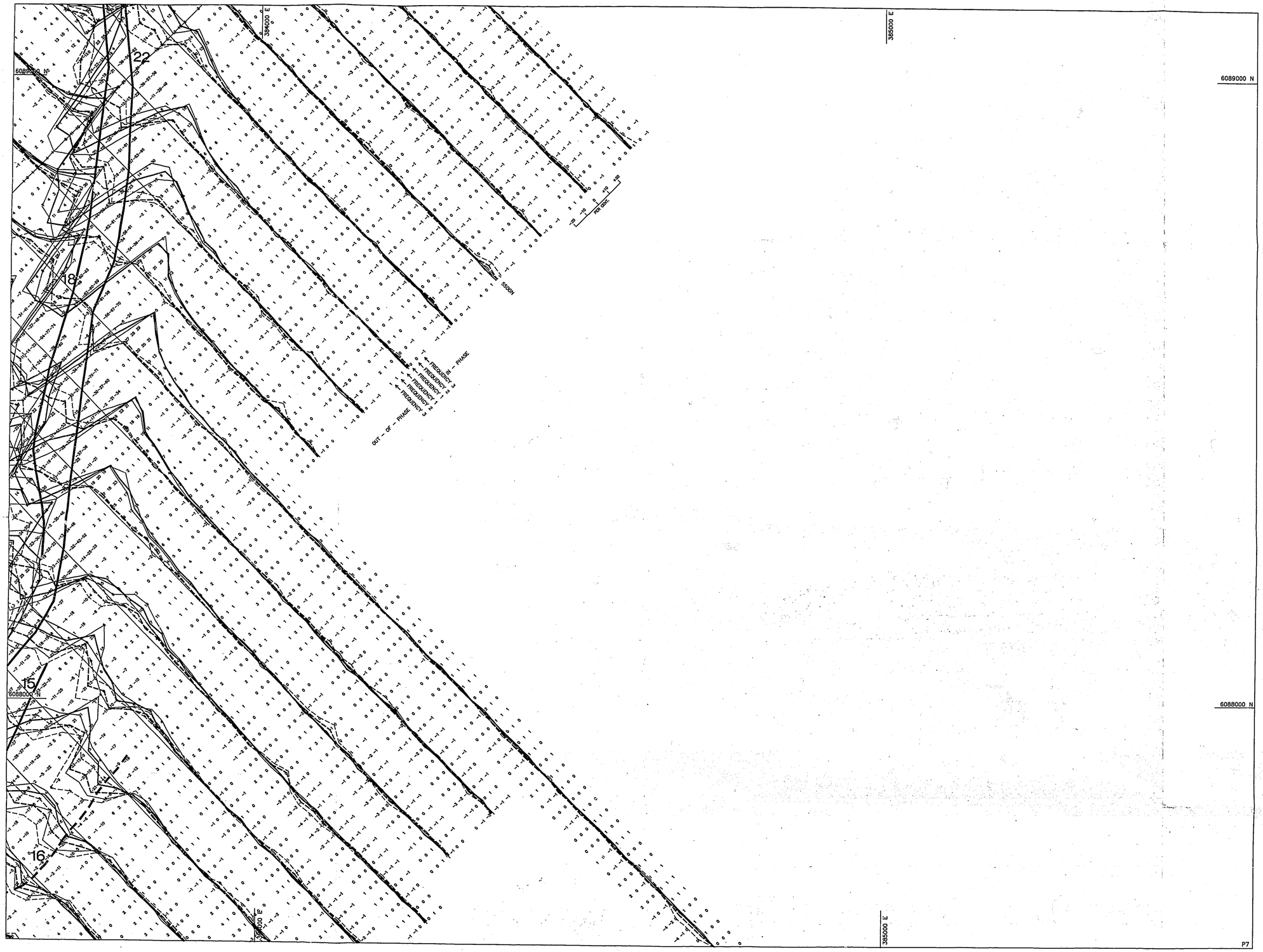
INCO EXPLORATION AND TECHNICAL SERVICES INC.

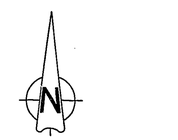
Thompson, Manitoba
R8N 1S4

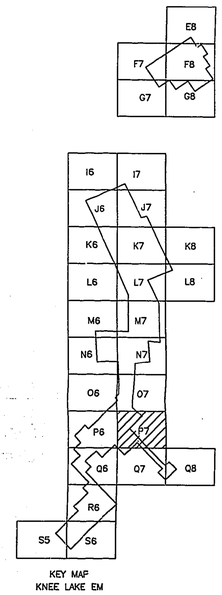
72752

Project: KNEE LAKE		Area: Knee Lake Area, Manitoba	
HLEM ELECTROMAGNETIC SURVEY		SHEET P6	FIGURE
Supervisor: J.J.Hannila	Instrument: MAX-MIN I	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: D.C.SORENSEN	Date drawn: 08/11/93	Revised:
Scale: 1:2,500	File: K-EM-P6.DWG	N.T.S. 83M2	

K-EM-P7.DWG







KEY MAP
KNEE LAKE EM

LEGEND

	IN-PHASE	OUT-OF-PHASE
FREQUENCY 1: 220Hz	———	- - - -
FREQUENCY 2: 880Hz	———	- - - -
FREQUENCY 3: 3520Hz	———	- - - -

PROFILE SCALE: 1cm=10%
CONDUCTOR ——— MODERATE TO STRONG
- - - - WEAK

COIL CONFIGURATION

TRAVERSE DIRECTION: E – W (GRID)
STATION INTERVAL: 25m

PERMIT P114

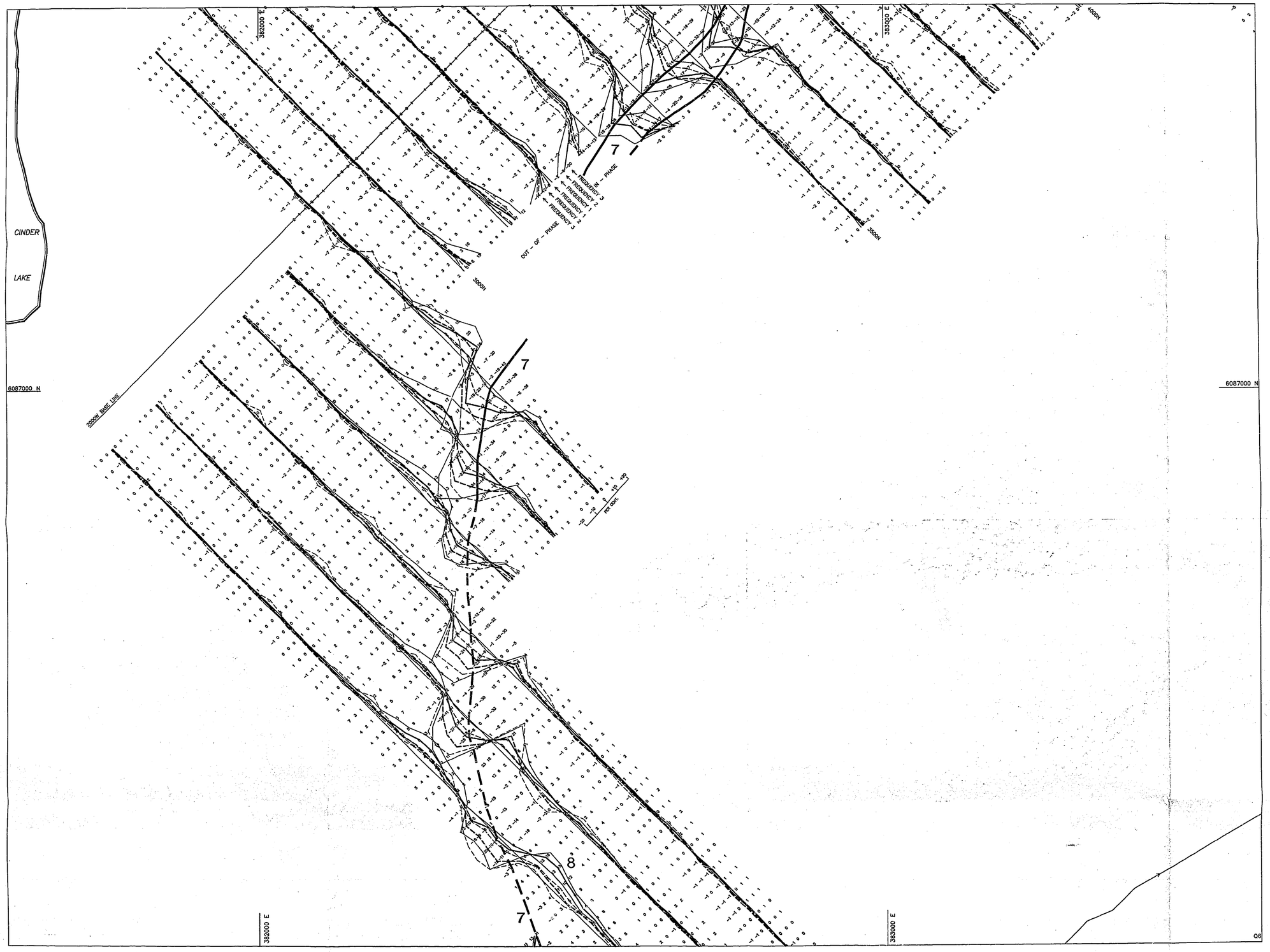
0 50 100 150 200
METRES

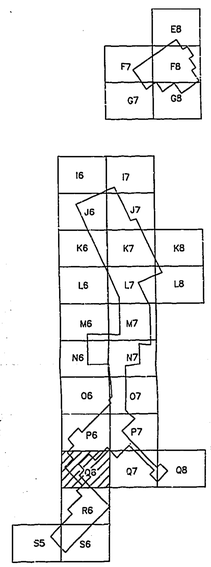
INCO EXPLORATION AND TECHNICAL SERVICES INC.
Thompson, Manitoba R8N 1S4

72752

Project: KNEE LAKE	Area: Knee Lake Area, Manitoba		
HLEM ELECTROMAGNETIC SURVEY		SHEET P7	FIGURE
Surveyed by: J.J.Hannila	Instrument: MAX-MIII	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: D.C.SORENSEN	Date drawn: 05/11/93	Revised:
Scale: 1:2,500	File: K-EM-P7.DWG	N.T.S. 52M2	

K-EM-Q6.DWG





KEY MAP
KNEE LAKE EM

LEGEND

FREQUENCY 1: 220Hz — IN-PHASE — OUT-OF-PHASE
FREQUENCY 2: 880Hz
FREQUENCY 3: 3520Hz
PROFILE SCALE: 1cm=10%
CONDUCTOR — MODERATE TO STRONG — WEAK
JIL CONFIGURATION
TX — 100m — RX
PLOT POINT
TRAVERSE DIRECTION: E – W (GRID)
STATION INTERVAL: 25m

PERMIT P114

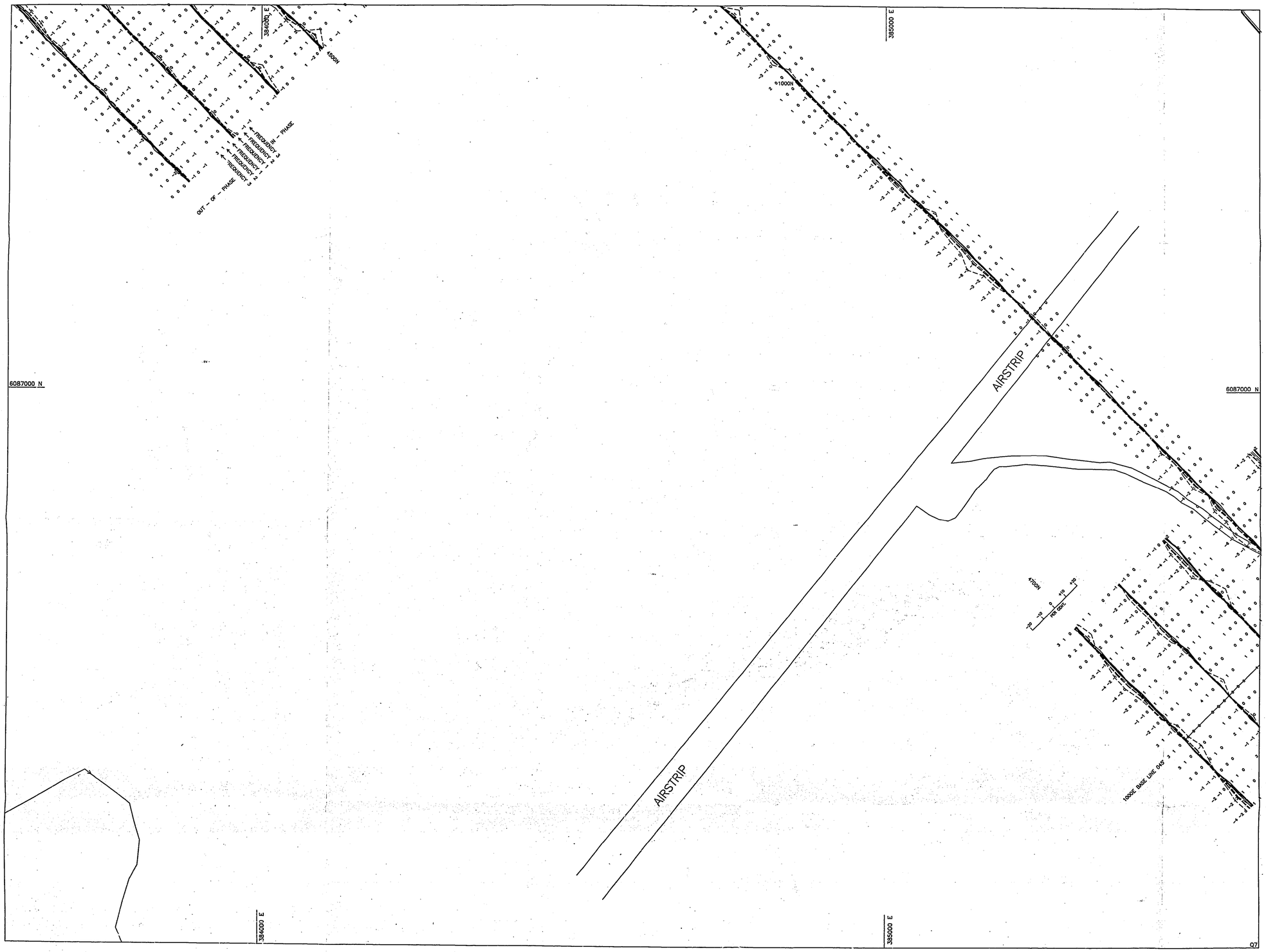
0 50 100 150 200
METRES

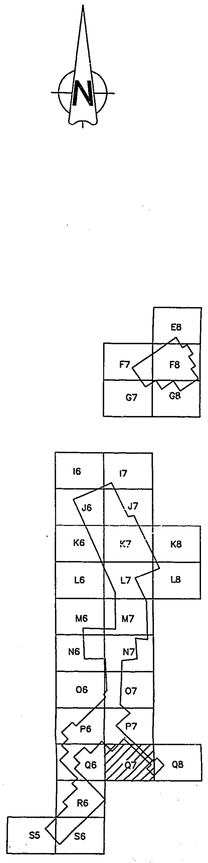
INCO EXPLORATION AND TECHNICAL SERVICES INC.
Thompson, Manitoba
RBN 114 72752

Project: KNEE LAKE	Area: Knee Lake Area, Manitoba		
HLEM ELECTROMAGNETIC SURVEY		SHEET Q6	FIGURE
Supervisor: J.J.Hannila	Instrument: MAX-MIN I	Survey date: 01/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: D.C.SORENSEN	Date drawn: 08/11/93	Revised:
Scale: 1:2,500	File: K-EM-Q6.DWG	N.T.S. 53M2	

24X

K-EM-Q7.DWG





KEY MAP
KNEE LAKE EM

LEGEND

	IN-PHASE	OUT-OF-PHASE
FREQUENCY 1: 220Hz		
FREQUENCY 2: 880Hz		
FREQUENCY 3: 3520Hz		

PROFILE SCALE: 1cm=10%

CONDUCTOR: MODERATE TO STRONG; WEAK

COIL CONFIGURATION

400m — TX — PLOT POINT — RX

TRAVERSE DIRECTION: E - W (GRID)
STATION INTERVAL: 25m

PERMIT P114

0 50 100 150 200
METRES

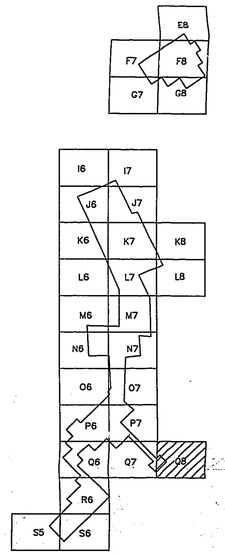
INCO EXPLORATION AND TECHNICAL SERVICES INC.

Thompson, Manitoba
R5N 1S4 72752

Project: KNEE LAKE		Area: Knee Lake Area, Manitoba	
HLEM ELECTROMAGNETIC SURVEY		SHEET Q7	FIGURE
Supervisor: J.J.Hannila	Instrument: MAX-MIN I	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: D.C.SORENSEN	Date drawn: 08/11/95	Revised:
Scale: 1:2,500	File: K-EM-Q7.DWG	N.T.S. 53M2	

24X

K-EM-Q8.DWG



KEY MAP
KNEE LAKE EM

LEGEND

	IN-PHASE	OUT-OF-PHASE
FREQUENCY 1: 220Hz		
FREQUENCY 2: 880Hz		
FREQUENCY 3: 3520Hz		

PROFILE SCALE: 1cm=10%

CONDUCTOR — MODERATE TO STRONG; WEAK

COIL CONFIGURATION

TX — 100m — RX; PLOT POINT

TRAVERSE DIRECTION: E - W (GRID)
STATION INTERVAL: 25m

PERMIT P114

0 50 100 150 200
METRES

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

72752

Project: KNEE LAKE	Area: Knee Lake Area, Manitoba		
HLEM ELECTROMAGNETIC SURVEY		SHEET Q8	FIGURE
Supervisor: J.J.Hannila	Instrument: MAX-MIN I	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: D.C.SORENSEN	Date drawn: 08/11/93	Revised:
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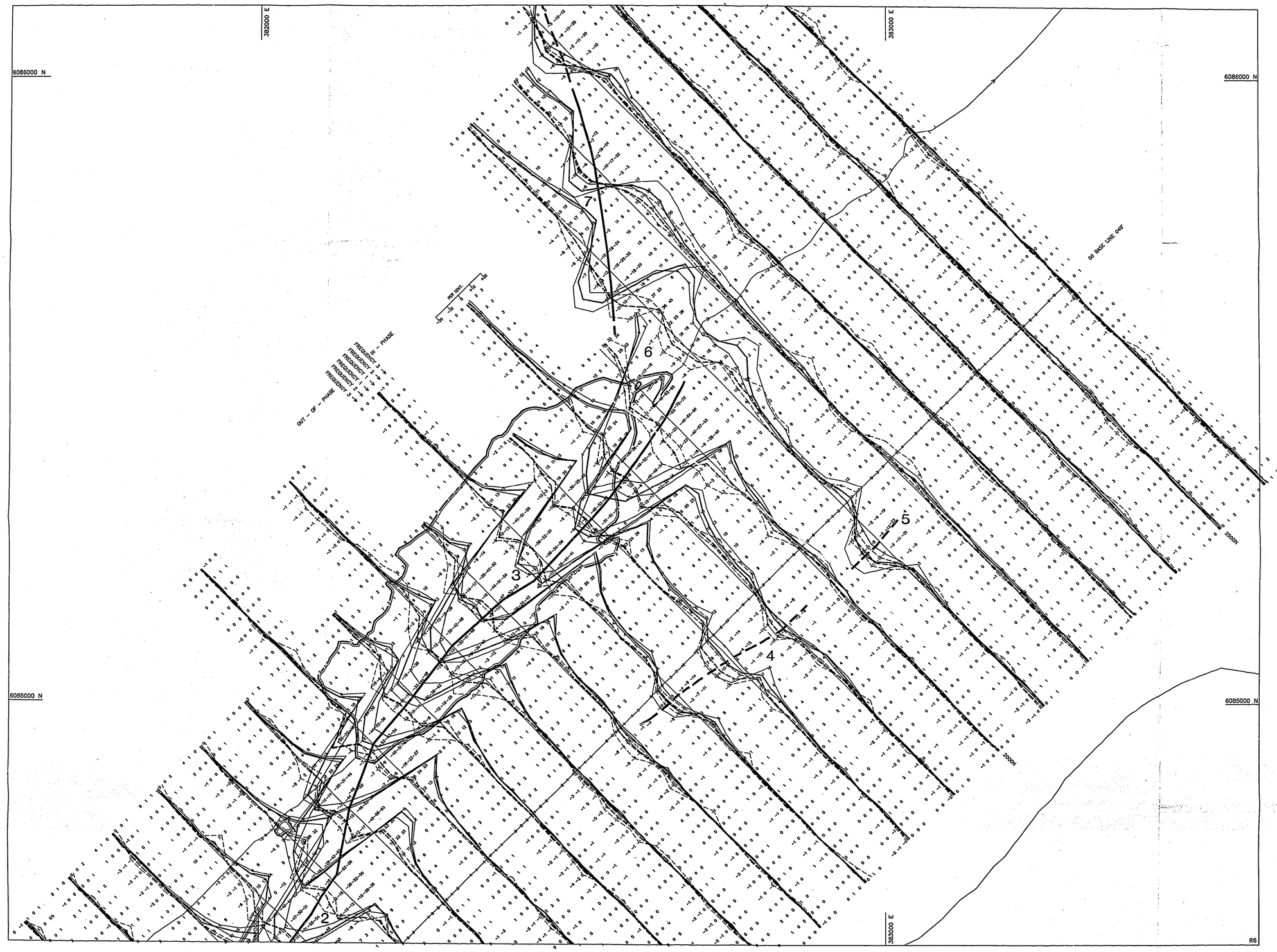
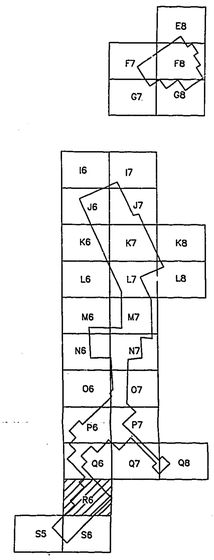
24X

K-EM-R6.DWG





KEY MAP
KNEE LAKE EM

LEGEND

	IN-PHASE	OUT-OF-PHASE
FREQUENCY 1: 220Hz		
FREQUENCY 2: 880Hz		
FREQUENCY 3: 3520Hz		
PROFILE SCALE: 1cm=10%		
CONDUCTOR	MODERATE TO STRONG	
	WEAK	

COIL CONFIGURATION

100m
TX PLOT POINT RX
TRAVERSE DIRECTION: E - W (GRID)
STATION INTERVAL: 25m

PERMIT P114

0 50 100 150 200
METRES

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

Project: KNEE LAKE	Area: Knee Lake Area, Manitoba 72752		
HLEM ELECTROMAGNETIC SURVEY		SHEET R6	FIGURE
Supervisor: J.J.Hannila	Instrument: MAX-MIN I	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: D.C.SORENSEN	Date drawn: 05/11/93	Revised:
Scale: 1:2,500	File: K-EM-R6.DWG	N.T.S. 53K2	

24X

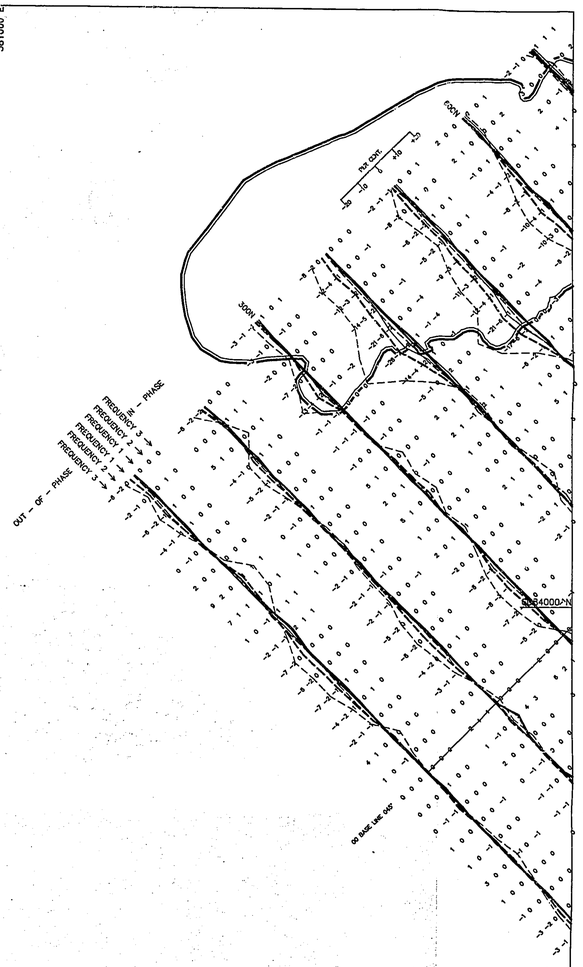
K-EM-S5.DWG

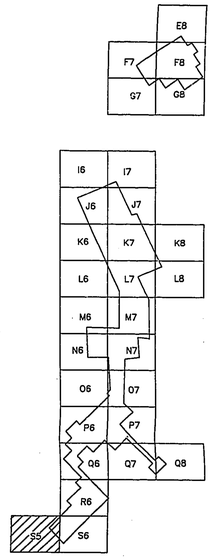
380000 E

381000 E

6084000 N

6084000 N





KEY MAP
KNEE LAKE EM

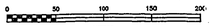
LEGEND

FREQUENCY 1: 220Hz — IN-PHASE — OUT-OF-PHASE
FREQUENCY 2: 880Hz
FREQUENCY 3: 3520Hz
PROFILE SCALE: 1cm=10%
CONDUCTOR — MODERATE TO STRONG
WEAK

COIL CONFIGURATION

TRAVERSE DIRECTION: E - W (GRID)
STATION INTERVAL: 25m

PERMIT P114

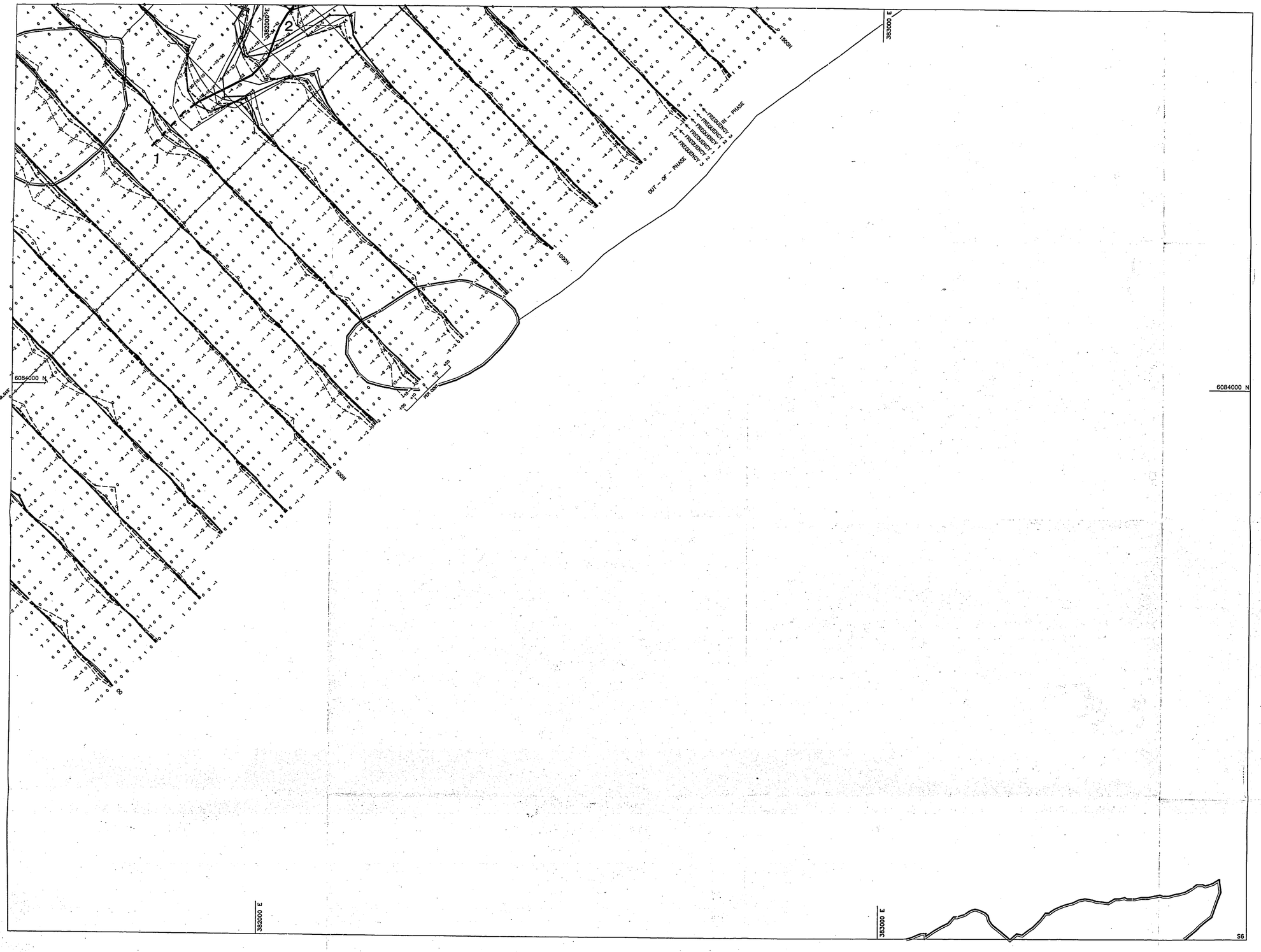


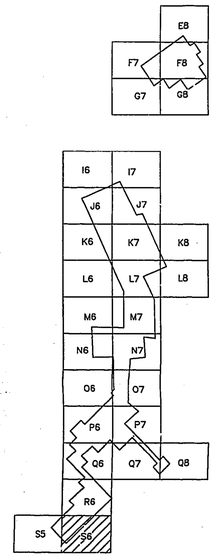
INCO EXPLORATION AND TECHNICAL SERVICES INC. Thompson, Manitoba R8N 1S4

Project: KNEE LAKE	Area: Knee Lake Area, Manitoba 72752.		
HLEM ELECTROMAGNETIC SURVEY		SHEET S5	FIGURE
Supervisor: J.J.Hannila	Instrument: MAX-MIN I	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: D.C.SORENSEN	Date drawn: 08/11/93	Revised:
Scale: 1:2,500	Files: K-EM-S5.DWG	N.T.S. 52M2	

S5

K-EM-S6.DWG





KEY MAP
KNEE LAKE EM

LEGEND

	IN-PHASE	OUT-OF-PHASE
FREQUENCY 1: 220Hz		
FREQUENCY 2: 880Hz		
FREQUENCY 3: 3520Hz		

PROFILE SCALE: 1cm=10%

CONDUCTOR — MODERATE TO STRONG; WEAK

COIL CONFIGURATION

100m — TX, PLOT POINT, RX

TRAVERSE DIRECTION: E - W (GRID)
STATION INTERVAL: 25m

PERMIT P114

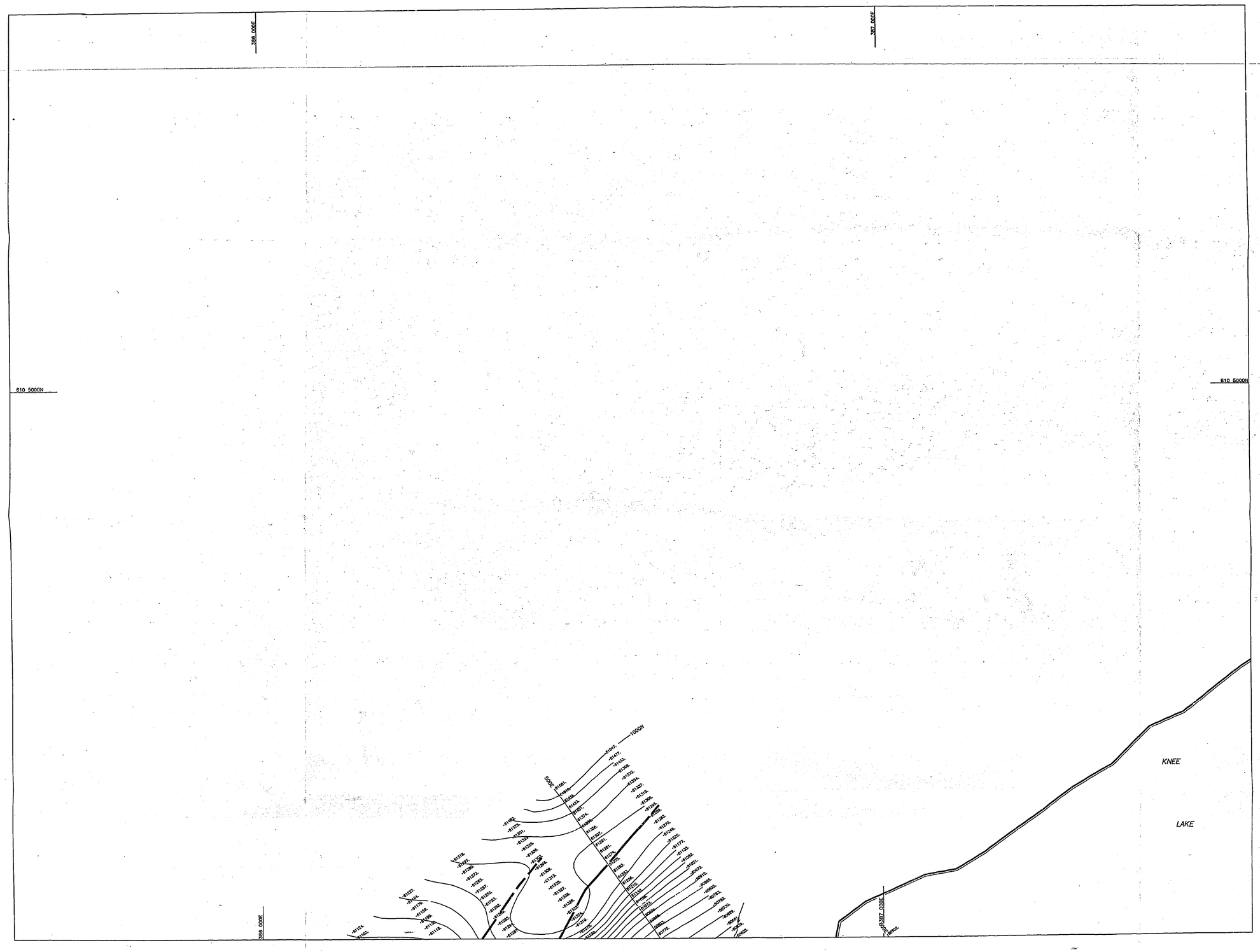
0 50 100 150 200
METRES

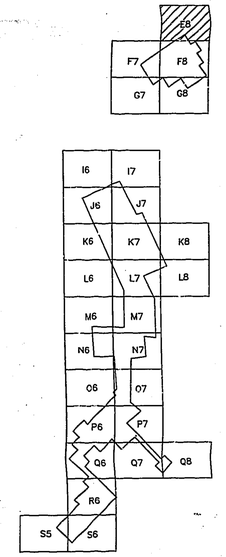
72752

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Thompson, Manitoba
R5N 1S4

Project: KNEE LAKE	Area: Knee Lake Area, Manitoba
HLEM ELECTROMAGNETIC SURVEY	SHEET S6 — FIGURE
Supervisor: J.J.Hannila	Instrument: MAX-MIN II
Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: D.C.SORENSEN
Date drawn: 08/11/93	Revised:
Scale: 1:2,500	File: K-EM-S6.DWG
N.T.S. 53M2	





KEY MAP

LEGEND

CONTOUR LEVELS: 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INTERVAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY)

PERMIT P114

0 50 100 150 200
METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.
Thompson, Manitoba R8H 1S4

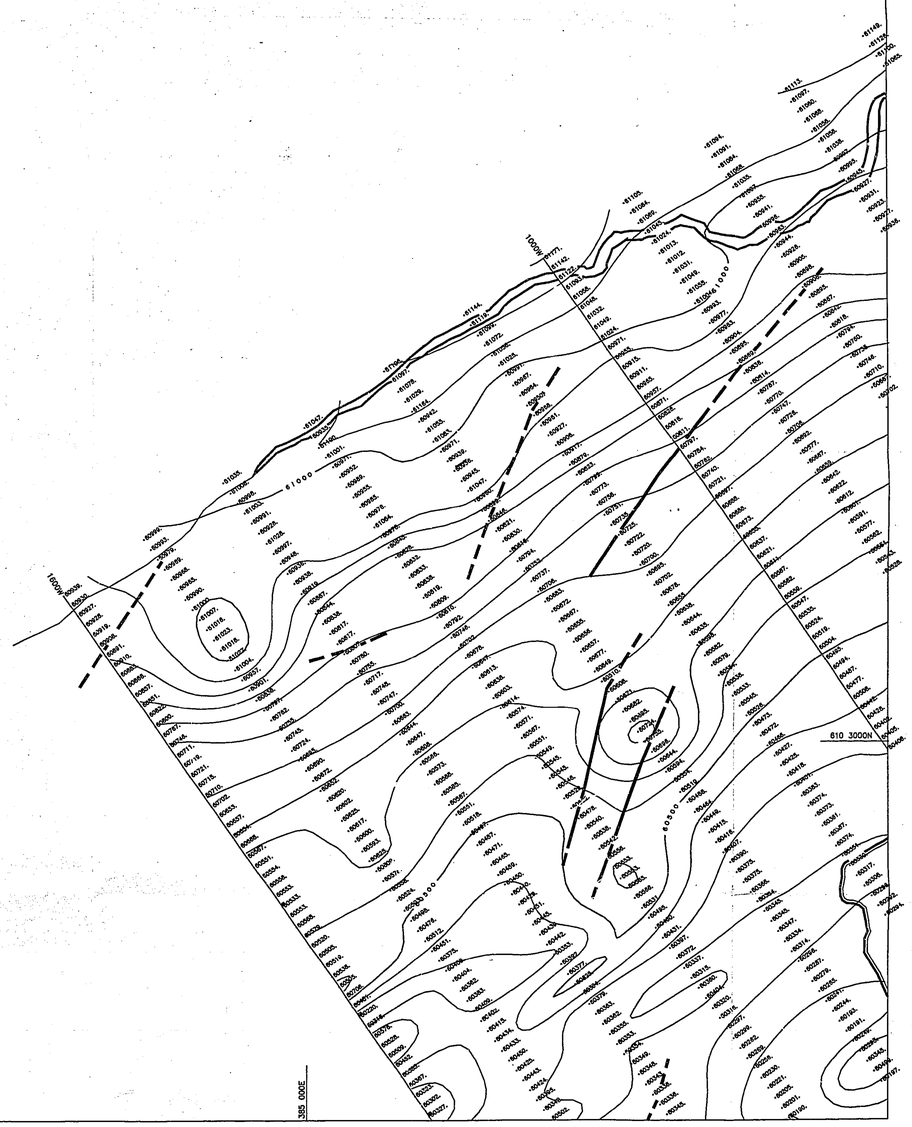
Project: KNEE LAKE (CINDER NORTH GRID)	Area: Knee Lake Area, Manitoba		
MAGNETIC SURVEY 72752		SHEET E8	FIGURE
Supervisor: J.J.Mc.Ilo	Instrument: EDA OMNI	Survey date: 12/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSAW	Date drawn: 12/93	Revised:
Scale: 1:2500	File: KMGE8.DWG	N.T.S. 53M2	

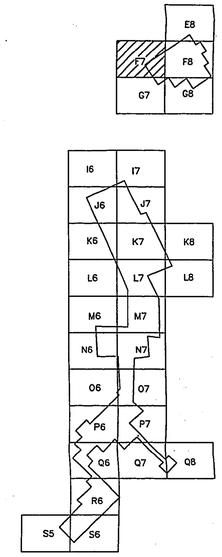
384 000E

385 000E

610 4000N

610 3000N





KEY MAP

LEGEND

CONTOUR LEVELS: 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INTERVAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY)

PERMIT P114

0 50 100 150 200
METRES

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

Project: KNEE LAKE (CINDER NORTH GRID)	Area: Knee Lake Area, Manitoba		
MAGNETIC SURVEY 72752		SHEET F7	FIGURE
Supervisor: J.J.Hanna	Instrument: EDA OMNI	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSAW	Data drawn: 12/93	Revised:
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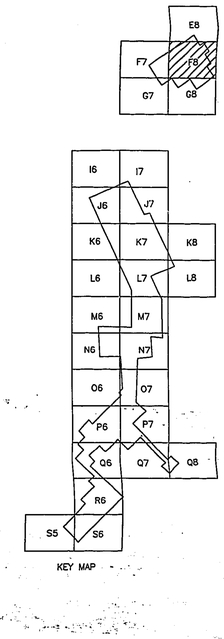
STANLEY Life Guard
24X



KEY MAP

LEGEND

CONTOUR LEVELS: 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INTERVAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY) ——

PERMIT P114

0 50 100 150 200
METRES

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

Project: KNEE LAKE (CINDER NORTH GRID) | Area: Knee Lake Area, Manitoba

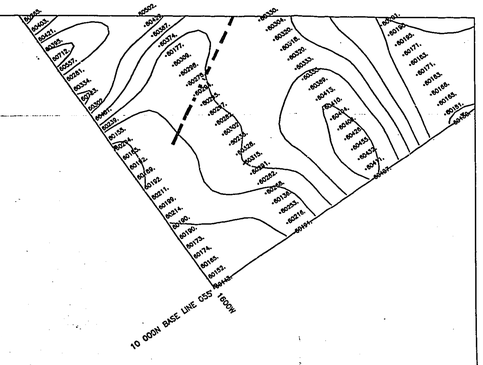
MAGNETIC SURVEY 72752 | SHEET F8 | FIGURE

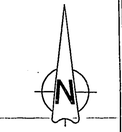
Supervisor: J.J.Mannila	Instrument: EDA OMNI	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSAW	Data drawn: 12/93	Revised:
Scale: 1:2500	File: KMGF8.DWG	N.T.S. 53M2	

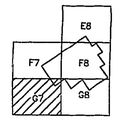
384 000E

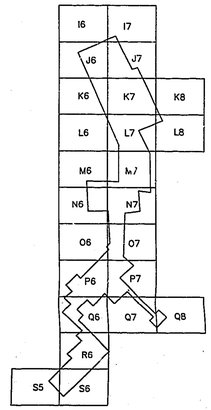
385 000E

610 2000N









KEY MAP

KNEE

LAKE

LEGEND

CONTOUR LEVELS: 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INTERVAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY)

PERMIT P114

0 50 100 150 200
METRES

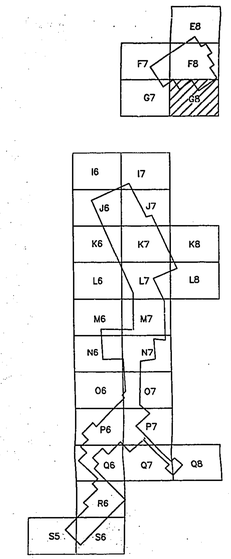
INCO EXPLORATION AND TECHNICAL SERVICES INC.
Thompson, Manitoba
R8N 1S4

Project: KNEE LAKE (CINDER NORTH GRID) | Area: Knee Lake Area, Manitoba

MAGNETIC SURVEY 72752 | SHEET G7 | FIGURE

Supervisor: J.J.Hannila	Instrument: EDA OMNI	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSAW	Date drawn: 12/93	Revised:
Scale: 1:2500	File: KMG07.DWG	N.T.S. 52M2	

24X



KEY MAP

LEGEND

CONTOUR LEVELS: 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INTERVAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY)

PERMIT P114

0 50 100 150 200
METRES

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

Project: KNEE LAKE (CINDER NORTH GRID)	Area: Knee Lake Area, Manitoba		
MAGNETIC SURVEY 72752		SHEET G8	FIGURE
Supervisor: J.J.Hannila	Instrument: EDA OMNI	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSAW	Date drawn: 12/93	Revised:
Scale: 1:2500	File: KMOG8.DWG	N.T.S. 53M2	

24X

382 000E

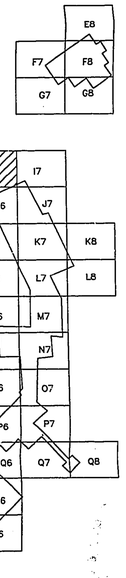
383 000E

609 900ON

609 900ON

382 000E

383 000E



KEY MAP

LEGEND

CONTOUR LEVELS: 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INTERVAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY)

PERMIT P114

0 50 100 150 200
METRES

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

Project: KNEE LAKE (CINDER GRID)		Area: Knee Lake Area, Manitoba	
MAGNETIC SURVEY 72752		SHEET 16	FIGURE
Supervisor: J.J.Hannila	Instrument: EDA OMNI	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSHALL	Date drawn: 12/93	Revised:
Scale: 1:2500	File: CINMAG.DWG	N.T.S. 52H2	

384 000E

385 000E

609 900ON

609 800ON

609 700ON

609 600ON

609 500ON

609 400ON

609 300ON

609 200ON

609 100ON

609 000ON

384 000E

385 000E

N

E8
F7 F8
G7 G8

I6 J7
J6 J7
K6 K7 K8
L6 L7 L8
M6 M7
N6 N7
O6 O7
P6 P7
Q6 Q7 Q8
R6
S5 S6

KEY MAP
KNEE LAKE (CINDER GRID)

LEGEND

CONTOUR LEVELS: 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INTERVAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY)

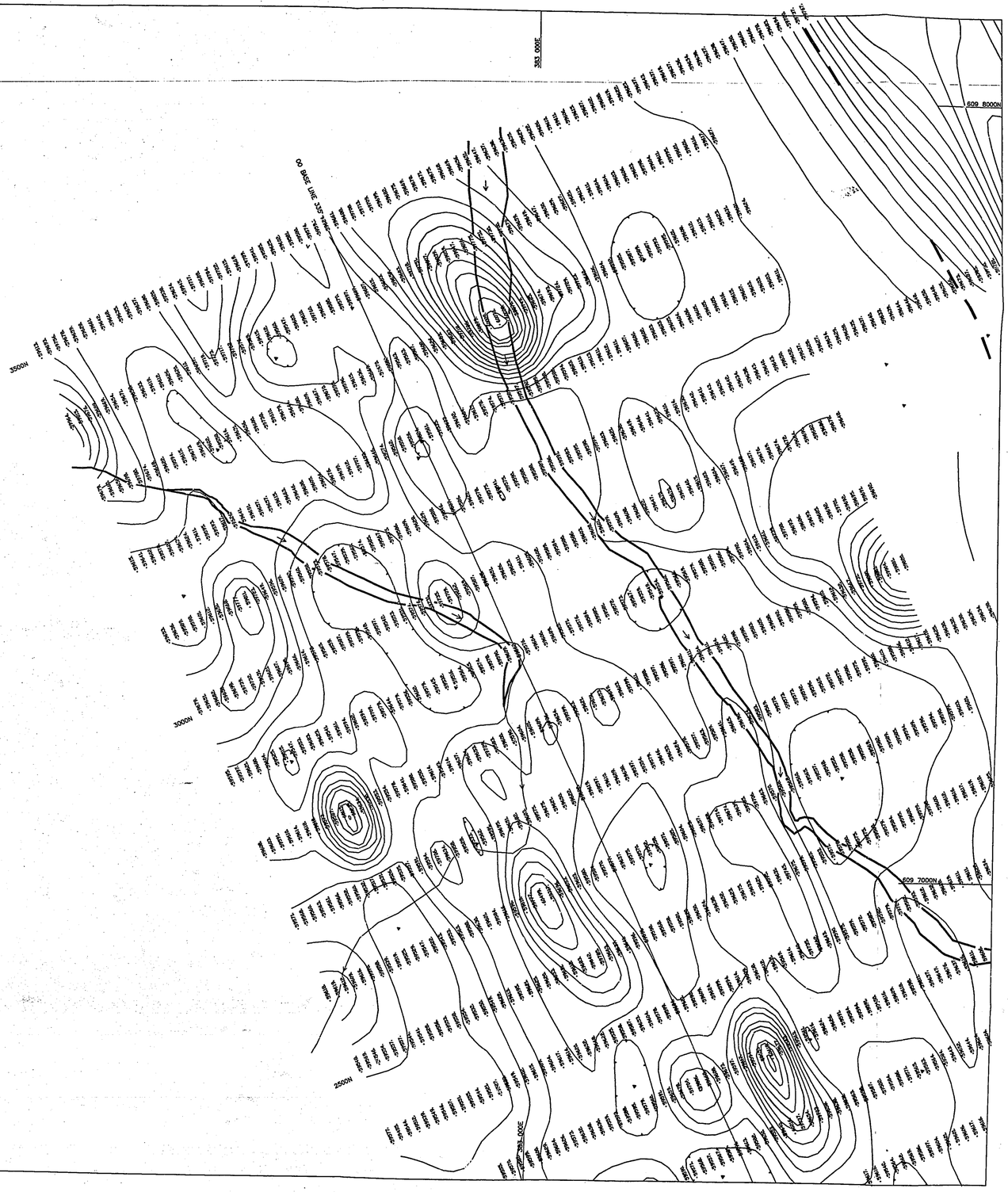
PERMIT P114

0 50 100 150 200
METRES

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

Project: KNEE LAKE (CINDER GRID)		Area: Knee Lake Area, Manitoba	
MAGNETIC SURVEY 72752		SHEET 17	FIGURE
Supervisor: J.J.Hanilla	Instrument: EDA OMNI	Survey date: 07/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSAW	Date drawn: 12/93	Revised:
Scale: 1:2500	File: C:\ 17.DWG	N.T.S. 53N2	

24X



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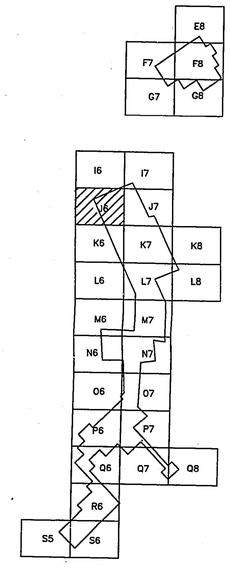


KEY MAP
KNEE LAKE (CINDER GRID)

LEGEND

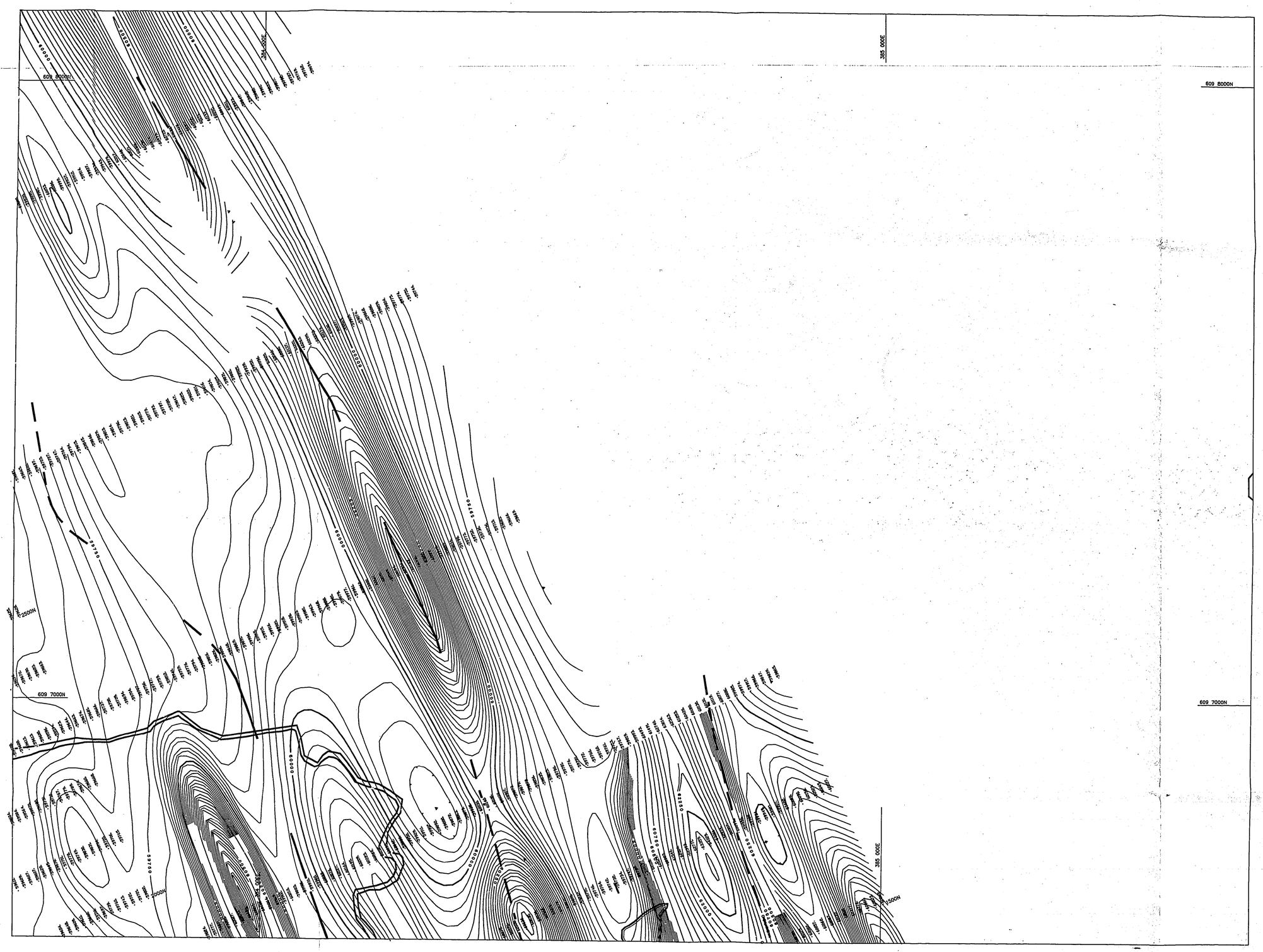
CONTOUR LEVELS- 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INTERVAL- 12.5m
CONDUCTOR (FROM HLEM SURVEY)

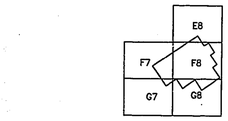
PERMIT P114

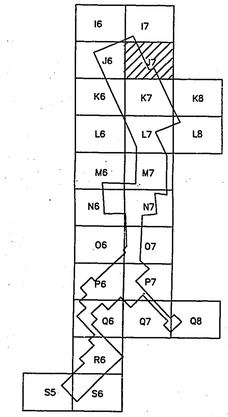
0 50 100 150 200
METRES

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

Project: KNEE LAKE (CINDER GRID)	Area: Knee Lake Area, Manitoba		
MAGNETIC SURVEY 72752		SHEET J6	FIGURE
Supervisor: J.J.Hanslo	Instrument: EDA OMNI	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSAW	Date drawn: 12/93	Revised:
Scale: 1:2500	File: CINMAG6.DWG	N.T.S. 52M2	







KEY MAP
KNEE LAKE (CINDER GRID)

LEGEND

CONTOUR LEVELS: 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INTERVAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY)

PERMIT P114

0 50 100 150 200
METRES

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

Project: KNEE LAKE (CINDER GRID)		Area: Knee Lake Area, Manitoba	
MAGNETIC SURVEY 72752		SHEET J7	FIGURE
Supervisor: J.J.Hanilla	Instrument: EDA OMNI	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSAW	Data drawn: 12/93	Revised:
Scale: 1:2500	File: CDMM27.DWG	N.T.S. 53M2	

382 000E

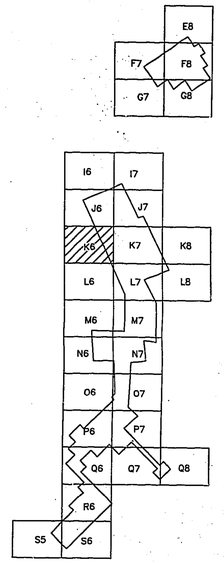
383 000E

609 6000N

1500N

2000N

00 BASE LINE 335



KEY MAP
KNEE LAKE (CINDER GRID)

LEGEND

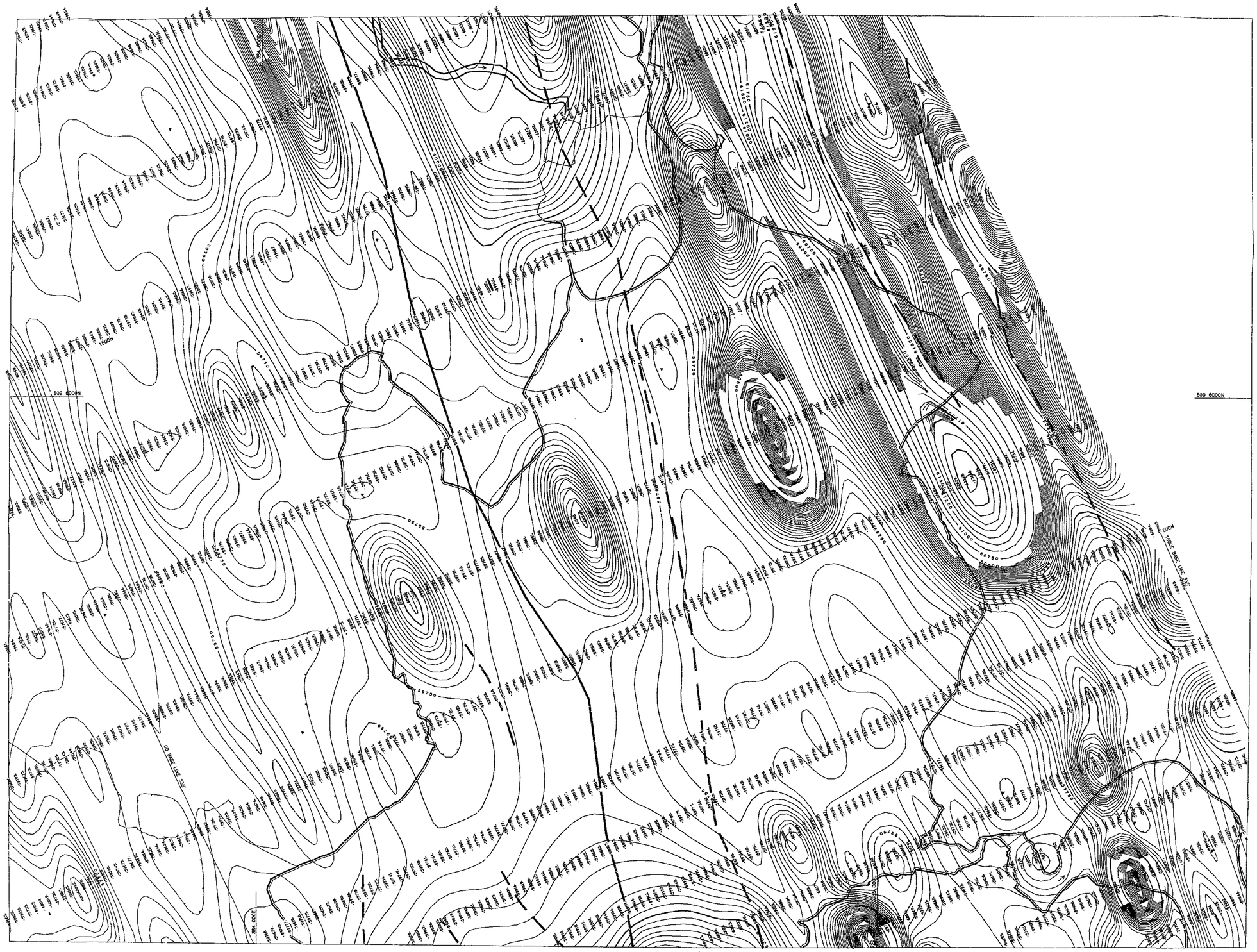
CONTOUR LEVELS: 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INTERVAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY)

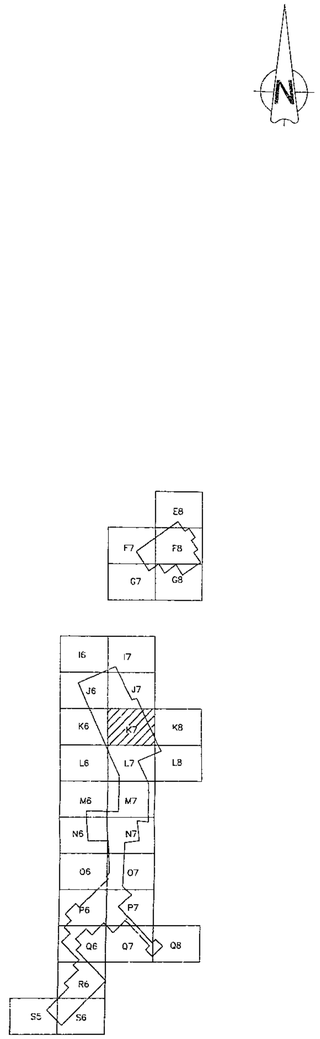
PERMIT P114

0 50 100 150 200
METRES

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

Project: KNEE LAKE (CINDER GRID)		Area: Knee Lake Area, Manitoba	
MAGNETIC SURVEY 72752		SHEET K6	FIGURE
Supervisor: J.J.Hannila	Instrument: EDA OMNI		Survey date: 02/93
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSAW		Data drawn: 12/93 Revised:
Scale: 1:2500	File: CINMAG6.DWG		N.T.S. 53M2





KEY MAP
KNEE LAKE (CINDER GRID)

LEGEND

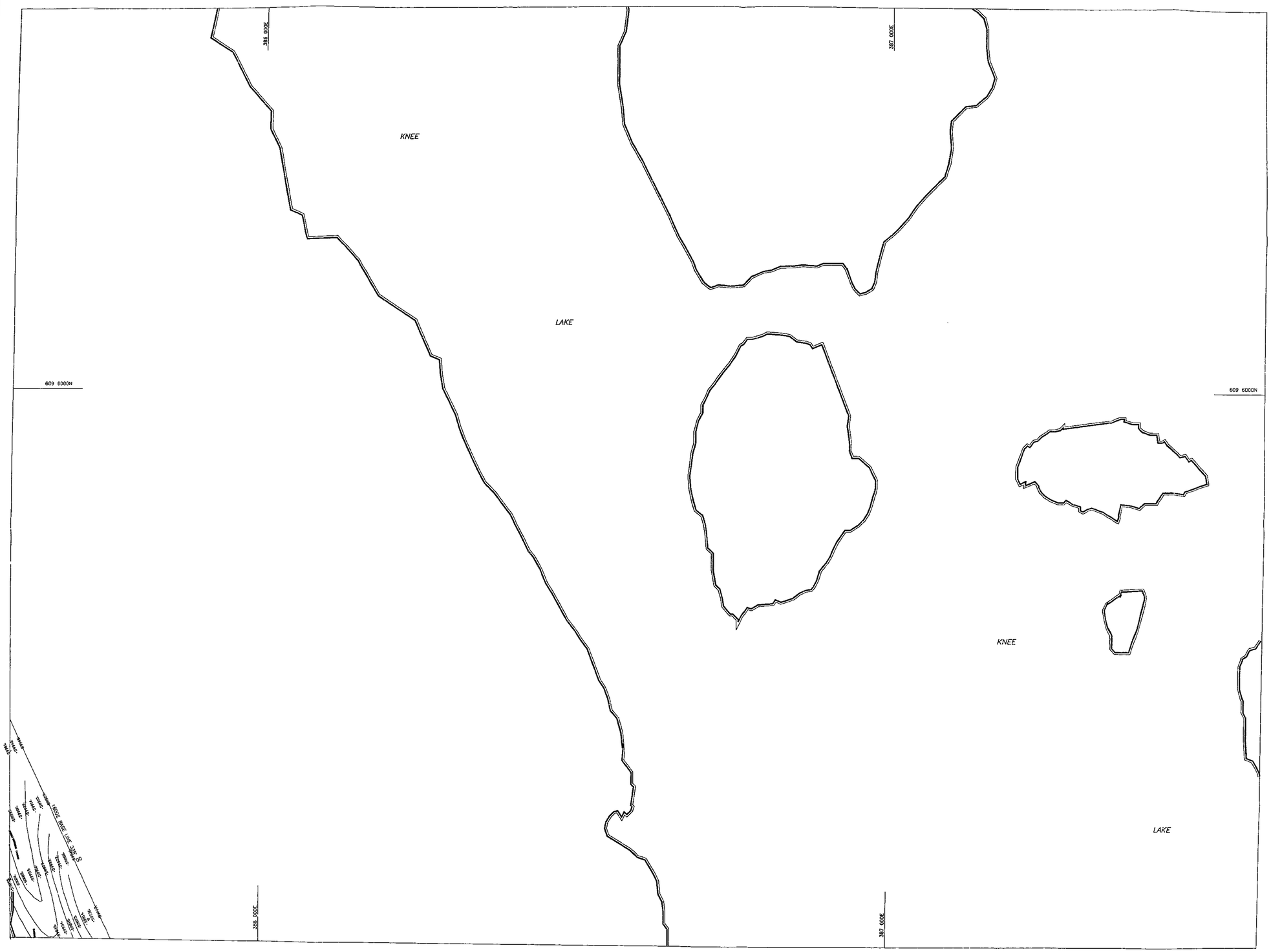
CONTOUR LEVELS: 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INTERVAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY)

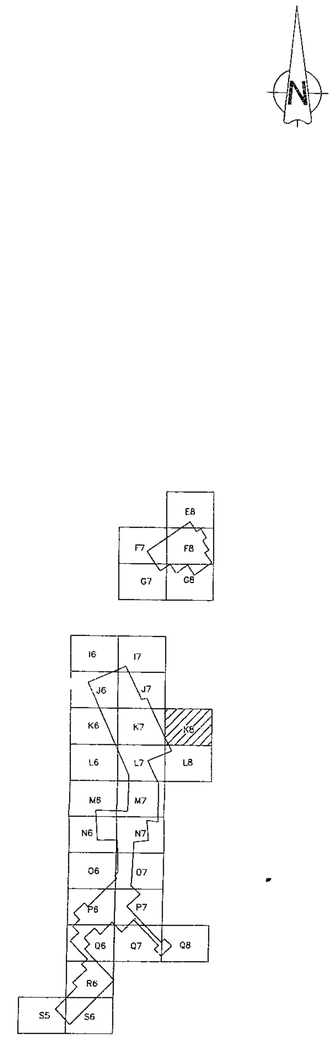
PERMIT P114

0 50 100 150 200
METRES

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

Project: KNEE LAKE (CINDER GRID)	Area: Knee Lake Area, Manitoba		
MAGNETIC SURVEY 72752		SHEET K7	FIGURE
Supervisor: J.J.Hannila	Instrument: EDA OMNI	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSHALL	Date drawn: 12/93	Revised:
Scale: 1:2500	File: CINMAP7.DWG	N.T.S. 52M2	





KEY MAP
KNEE LAKE (CINDER GRID)

LEGEND

CONTOUR LEVELS: 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INTERVAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY)

PERMIT P114

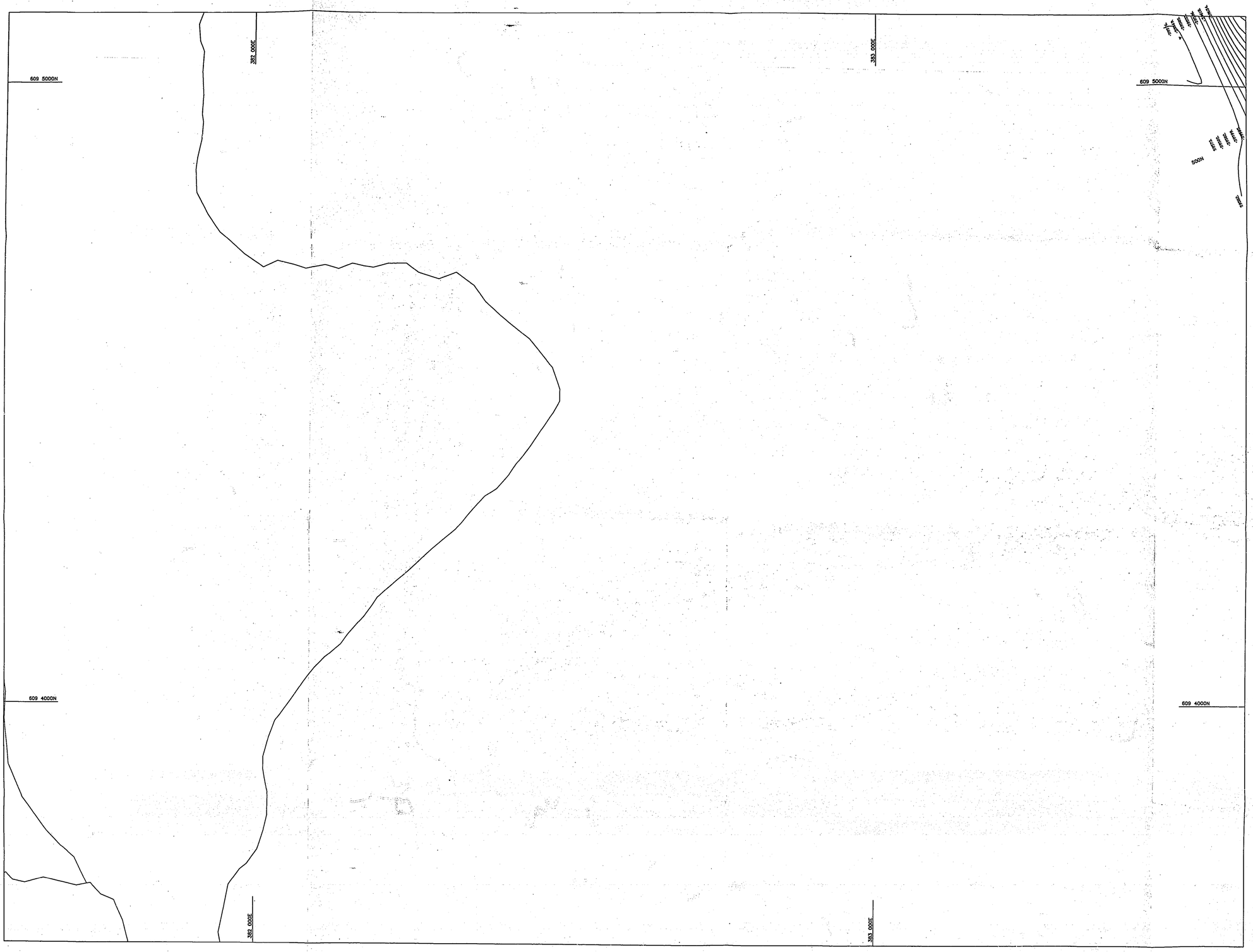
0 50 100 150 200
METRES

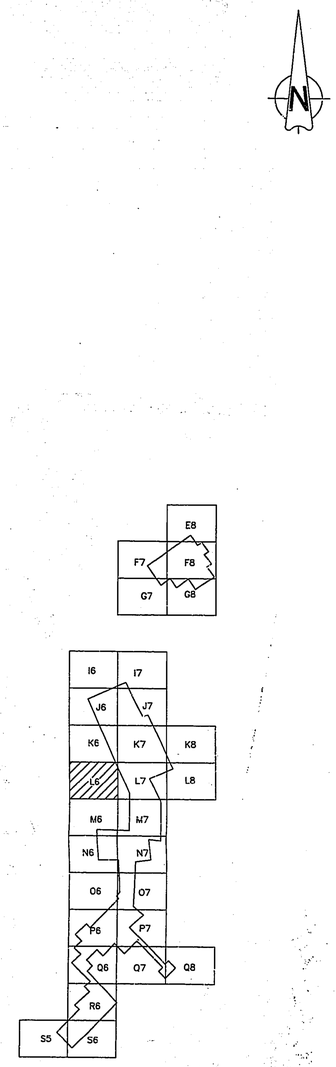
INCO EXPLORATION AND TECHNICAL SERVICES INC.

Thompson, Manitoba
R8N 1S4

Project: KNEE LAKE (CINDER GRID)	Area: Knee Lake Area, Manitoba		
MAGNETIC SURVEY 72752		SHEET K8	FIGURE
Supervisor: J.J.Hannila	Instrument: EDA OMNI	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSAW	Date drawn: 12/93	Revised:
Scale: 1:2500	File: CINDGRID.DWG	N.T.S. 53M2	

24X





KEY MAP
KNEE LAKE (CINDER GRID)

LEGEND

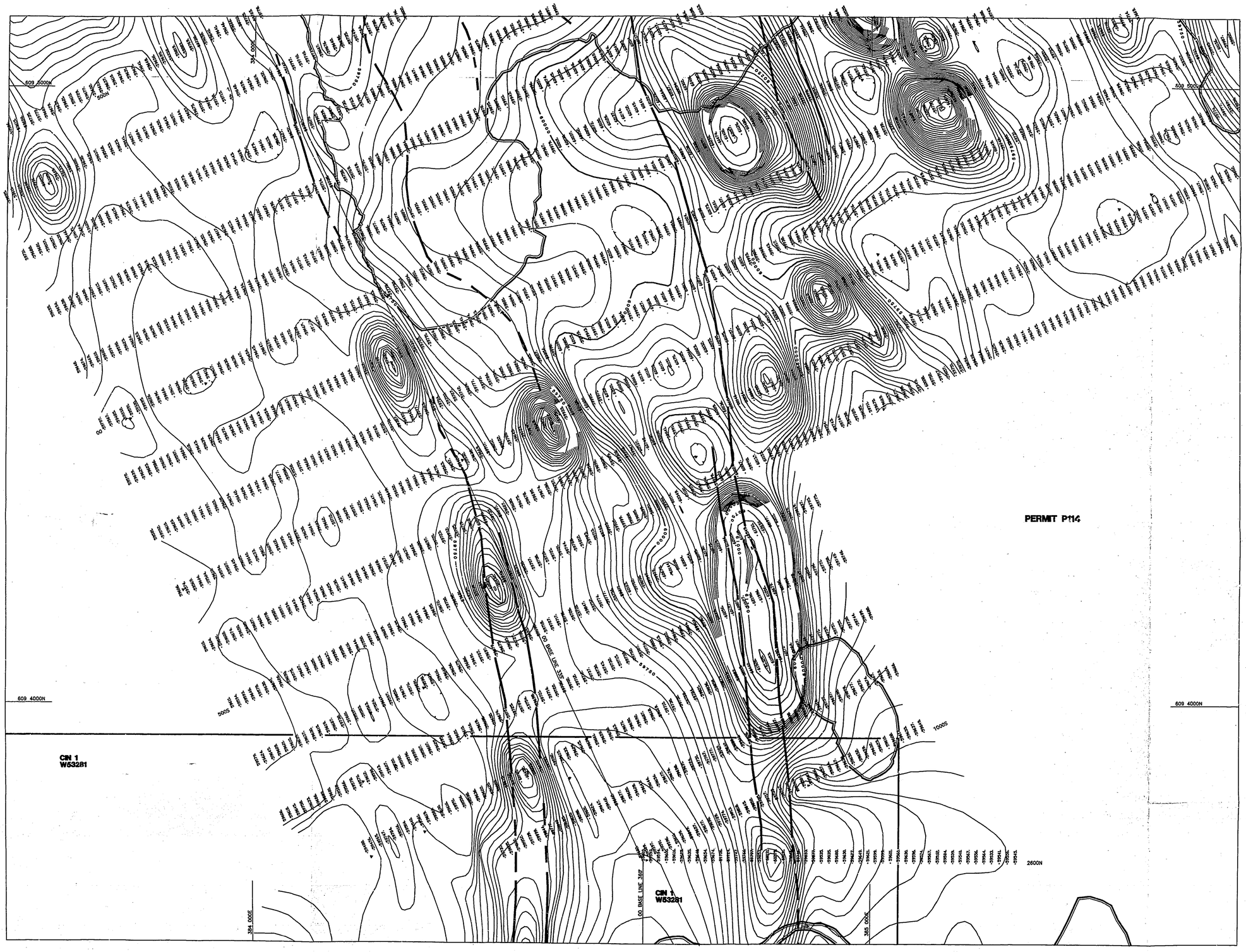
CONTOUR LEVELS: 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INTERVAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY)

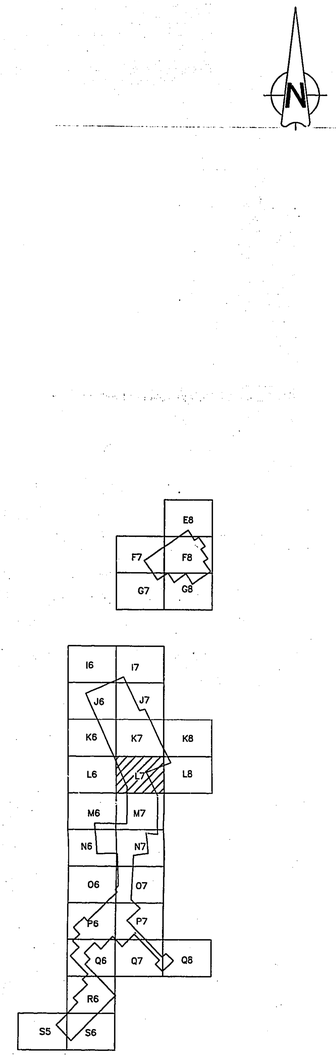
PERMIT P114

0 50 100 150 200
METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.
Thompson, Manitoba
R6N 1S4

Project: KNEE LAKE (CINDER GRID)	Area: Knee Lake Area, Manitoba		
MAGNETIC SURVEY 72752		SHEET L6	CLIENT
Supervisor: J.J.Hanslie	Instrument: EDA OMNI	Survey date: 02/92	
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSAW	Date drawn: 12/93	Revisi
Scale: 1:2500	File: CINMGL6.DWG	N.T.S. 53M2	





KEY MAP
KNEE LAKE (CINDER GRID)

LEGEND

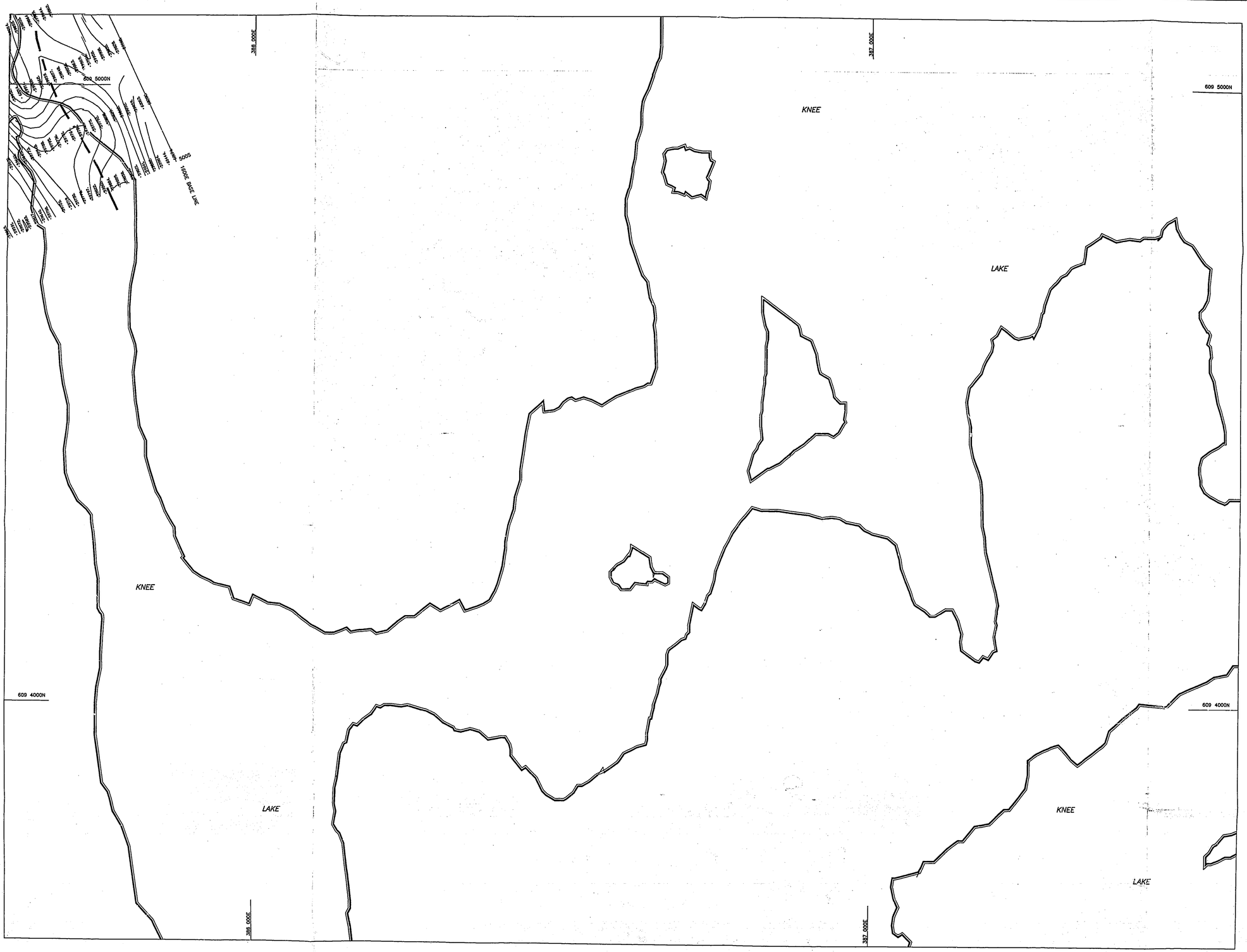
CONTOUR LEVELS: 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INTERVAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY)

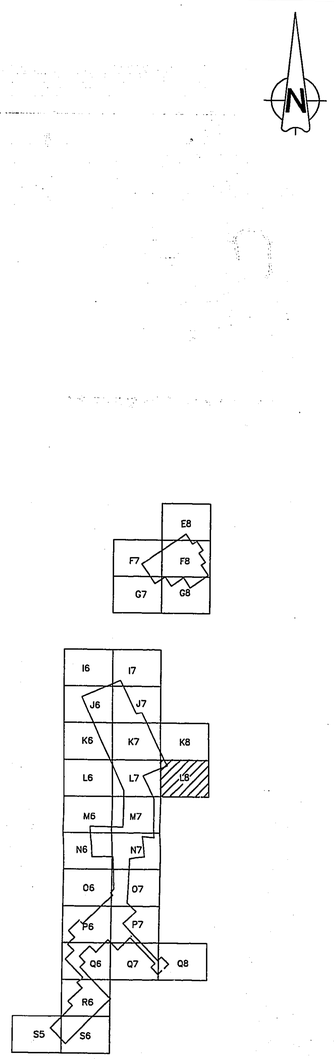
0 50 100 150 200
METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Thompson, Manitoba
R8N 1S4

Project: KNEE LAKE (CINDER GRID)	Area: Knee Lake Area, Manitoba		
MAGNETIC SURVEY 72752		SHEET L7	FIGURE
Supervisor: J.J.Hannila	Instrument: EDA OMNI	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSAW	Date drawn: 12/93	Revised:
Scale: 1:2500	File: CINMGL7.DWG	N.T.S. 53M2	





KEY MAP
KNEE LAKE (CINDER GRID)

LEGEND

CONTOUR LEVELS: 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INT. /VAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY)

PERMIT P114

0 50 100 150 200
METRES

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

Project: KNEE LAKE (CINDER GRID)	Area: Knee Lake Area, Manitoba		
MAGNETIC SURVEY 72752		SHEET L8	FIGURE
Supervision: J.J.Hannila	Instrument: EDA OMNI	Survey dates: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSAW	Data entered: 12/93	Revised:
Scale: 1:2500	File: CINMAGL8.DWG	N.T.S. 53M2	

24X

382 000E

383 000E

609 3000N

609 3000N

PERMIT P114

CINDER

LAKE

CINDER

LAKE

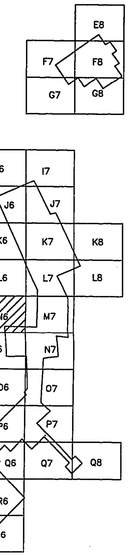
CIN 1
W53281

CIN 2
W53282

1200W BASE LINE

1200N

1000N



KEY MAP
KNEE LAKE (CINDER GRID)

LEGEND

CONTOUR LEVELS: 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INTERVAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY)

0 50 100 150 200
METRES

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

Project: KNEE LAKE (CINDER GRID)		Area: Knee Lake Area, Manitoba 72752	
MAGNETIC SURVEY		SHEET M6	FIGURE
Supervisor: J.J.Hanska	Instrument: EDA OMni	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSAW	Date drawn: 12/93	Revised:
Scale: 1:2500	File: CINMGM5.DWG	N.T.S. 53M2	

24X

CIN 1
W53281

384 000E

385 000E

LINE 350°

CIN 1
W53281

KNEE

LAKE

2000N

609 3000N

PERMIT P114

CINDER

LAKE

CIN 1
W53281

CIN 2
W53282

CIN 1
W53281

CIN 2
W53282

1000N

N

E8
F7 F8
G7 G8

I6 I7
J6 J7
K6 K7 K8
L6 L7 L8
M6 M7
N6 N7
O6 O7
P6 P7
Q6 Q7 Q8
R6
S5 S6

KEY MAP
KNEE LAKE (CINDER GRID)

LEGEND

CONTOUR LEVELS: 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INTERVAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY)

0 50 100 150 200
METRES

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

Project: KNEE LAKE (CINDER GRID)	Area: Knee Lake Area, Manitoba	72752	
MAGNETIC SURVEY		SHEET M7	FIGURE
Supervisor: J.J.Hamilo	Instrument: EDA OMNI	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSAW	Date drawn: 12/93	Revised:
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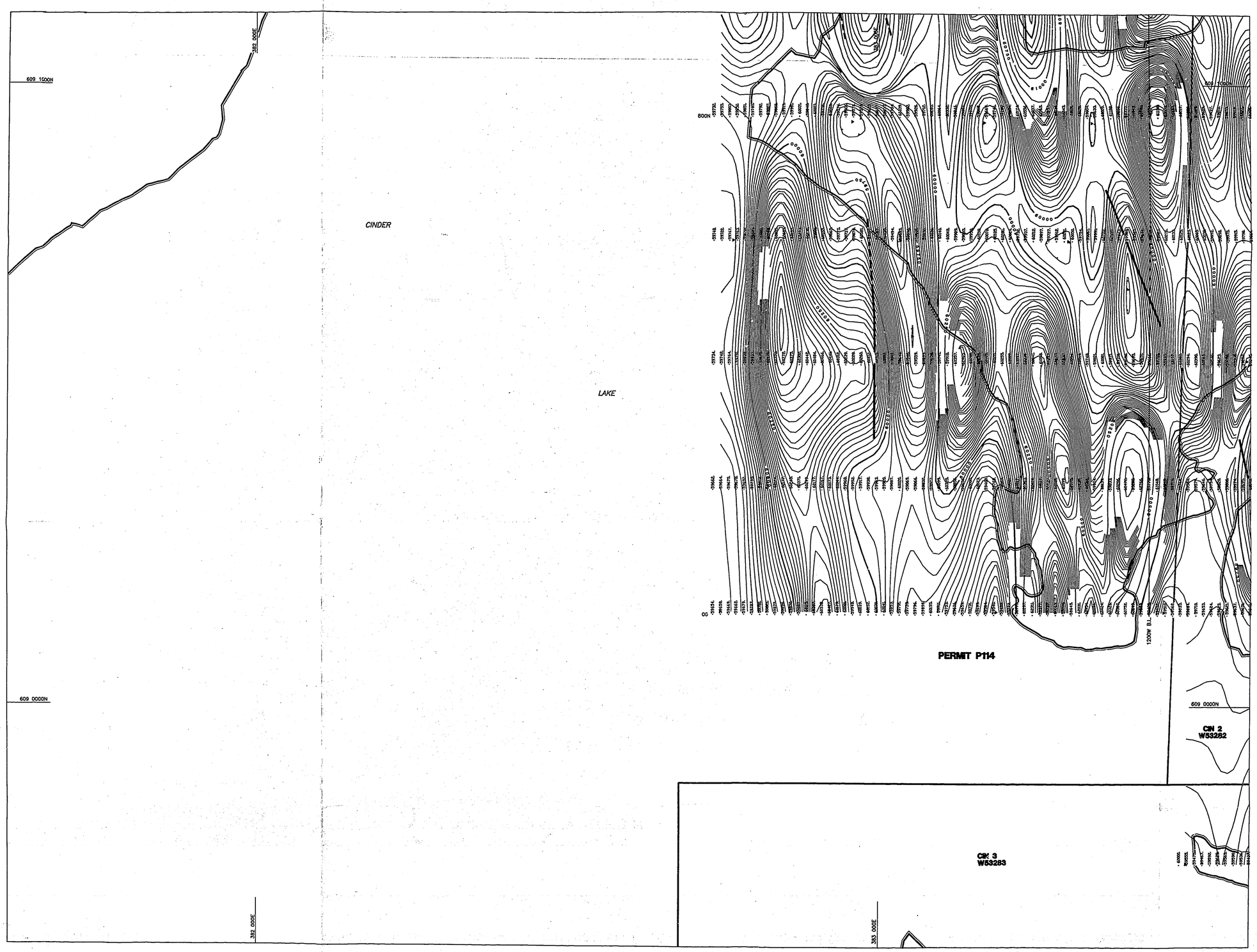
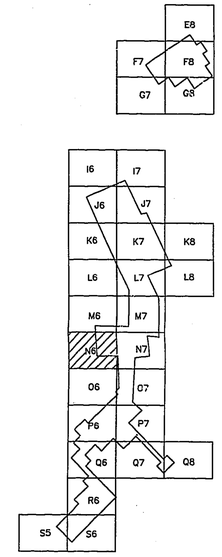




KEY MAP
KNEE LAKE (CINDER GRID)

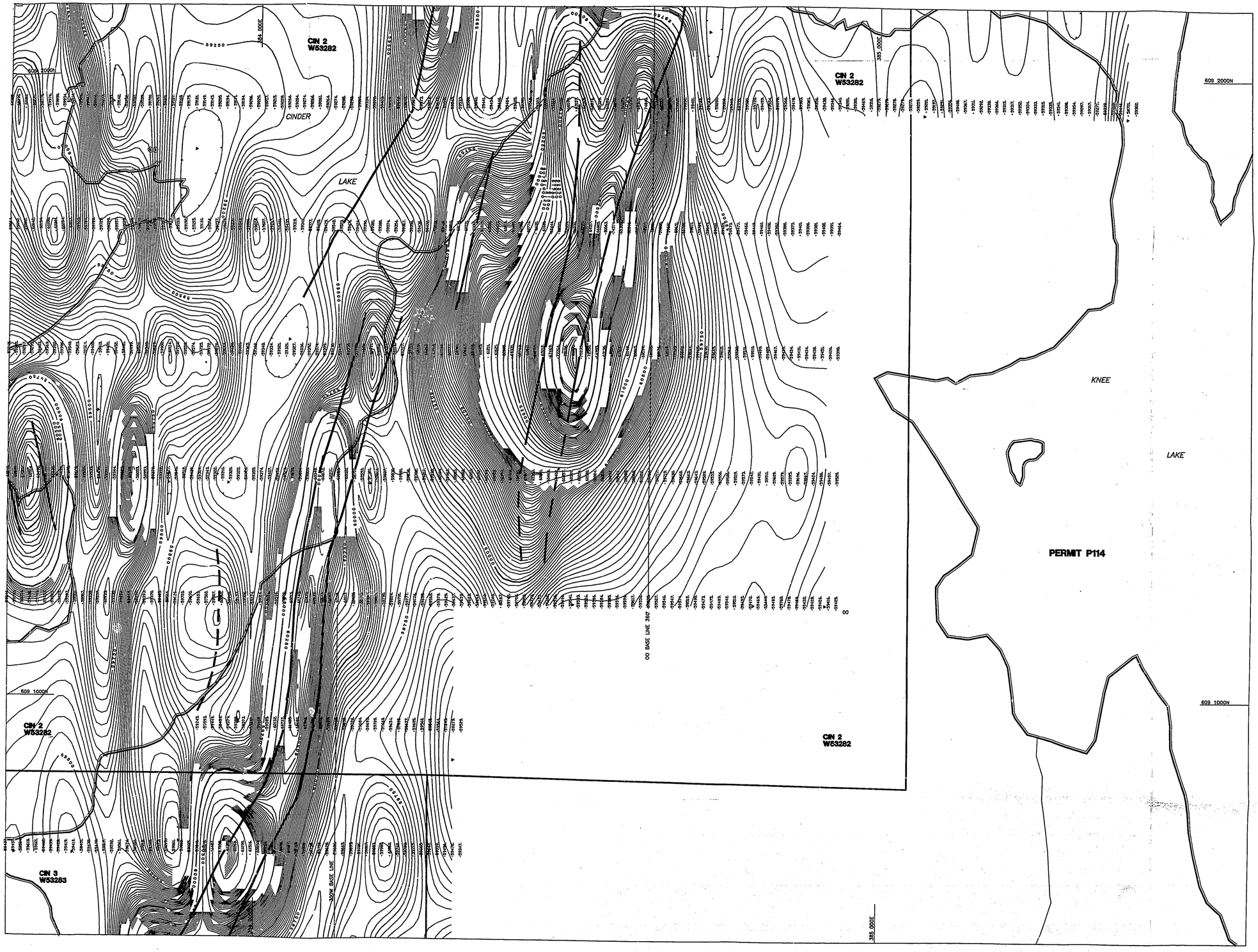
LEGEND

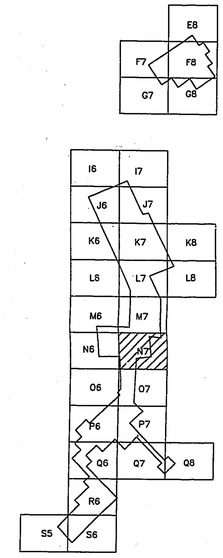
CONTOUR LEVELS: 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INTERVAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY)

0 50 100 150 200
METRES

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

Project: KNEE LAKE (CINDER GRID)		Area: Knee Lake Area, Manitoba	72752
MAGNETIC SURVEY		SHEET N6	FIGURE
Supervisor: J.J.Hannila	Instrument: EDA OMNI	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSAW	Date drawn: 12/93	Revised:
Scale: 1:2500	File: CINMGN6.DWG	N.T.S. 53M2	





KEY MAP
KNEE LAKE (CINDER GRID)

LEGEND

CONTOUR LEVELS: 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INTERVAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY)

0 50 100 150 200
METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.
Thompson, Manitoba
R5N 1S4
72752

Project: KNEE LAKE (CINDER GRID)		Area: Knee Lake Area, Manitoba	
MAGNETIC SURVEY		SHEET N7	FIGURE
Supervisor: J.J.Hannila	Instrument: EDA OMNI	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSAW	Date drawn: 12/93	Revised:
Scale: 1:2500	File: CINMGN7.DWG	N.T.S. 53M2	

24X

382 000E

383 000E

CIN 3
W53283

CIN 3
W53283

CINDER

LAKE

609 0000N

609 0000N

PERMIT P114

CIN 4
W53284

CIN 3
W53283

CIN 4
W53284

382 000E

383 000E

N

E8
F7 F8
G7 G8

I6 I7
J6 J7
K5 K7 K8
L6 L7 L8
M6 M7
N6 N7
O6 O7
P6 P7
Q6 Q7 Q8
R6
S5 S6

KEY MAP
KNEE LAKE (CINDER GRID)

LEGEND

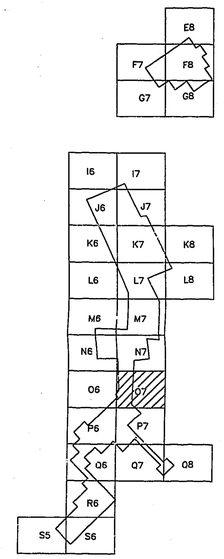
CONTOUR LEVELS: 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INTERVAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY)

0 50 100 150 200
METRES

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

Project: KNEE LAKE (CINDER GRID)	Area: Knee Lake Area, Manitoba 72752	
MAGNETIC SURVEY	SHEET 06	FIGURE
Supervisor: J.J.Hannila	Instrument: EDA OMS4	Survey date: 02/93
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSAW	Date drawn: 12/93 Revised:
Scale: 1:2500	File: CNMAG6.DWG	N.T.S. 53M2

24X



KEY MAP
KNEE LAKE (CINDER GRID)

LEGEND

CONTOUR LEVELS: 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INTERVAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY)

0 50 100 150 200
METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Thompson, Manitoba
RBN 154 72752

Project: KNEE LAKE (CINDER GRID)		Area: Knee Lake Area, Manitoba	
MAGNETIC SURVEY		SHEET 07	FIGURE
Supervisor: J.J.Hannila	Instrument: EDA OMNI	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSAW	Date drawn: 12/93	Revised:
Scale: 1:2500	File: CINMOD7.DWG	N.T.S. 53M2	

CIN 4
W53284

CINDER

LAKE

PERMIT P114

382 000E

383 000E

608 9000N

608 8000N

4000N

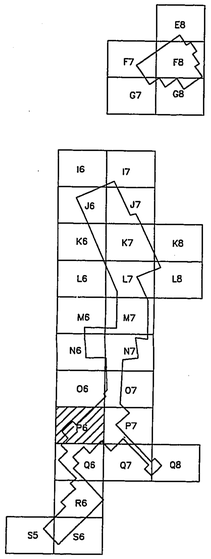
3000N

CIN 4
W53284

CIN 4
W53284

CIN 4
W53284

PERMIT P114



KEY MAP
KNEE LAKE (CINDER GRID)

LEGEND

CONTOUR LEVELS: 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INTERVAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY)

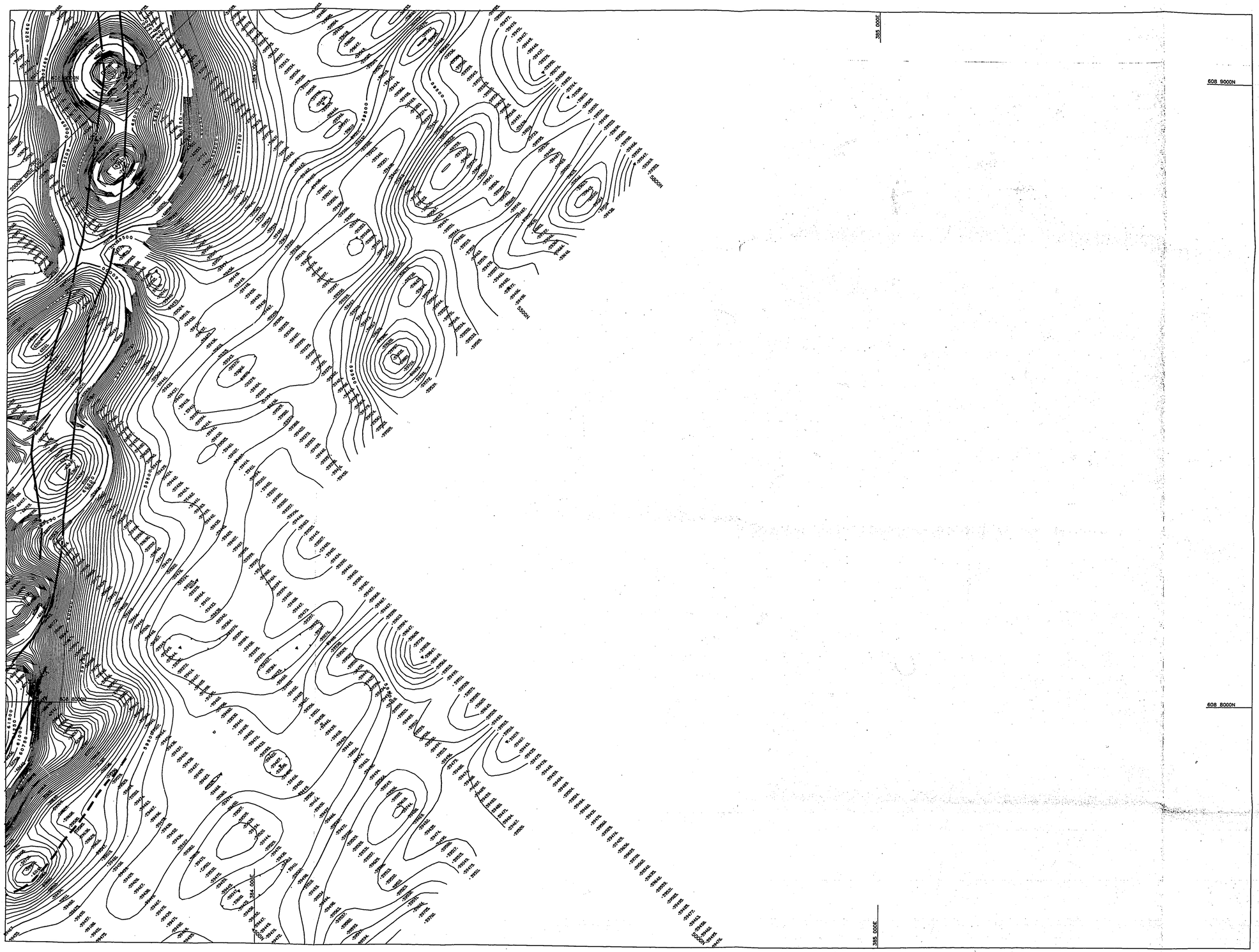
0 50 100 150 200
METRES

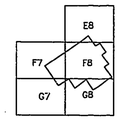
INCO EXPLORATION AND TECHNICAL SERVICES INC.
Thompson, Manitoba R8N 1S4

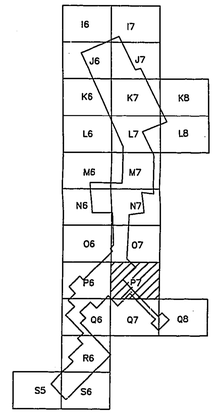
72752

Project: KNEE LAKE (CINDER GRID)	Area: Knee Lake Area, Manitoba
MAGNETIC SURVEY	SHEET P6 / FIGURE
Supervisor: J.J.Hannila	Instrument: EDA OMNI
Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSAW
Date drawn: 12/93	Revised:
Scale: 1:2500	File: CINMGPE.DWG
	N.T.S. 53M2

24X







KEY MAP
KNEE LAKE (CINDER GRID)

LEGEND

CONTOUR LEVELS: 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INTERVAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY)

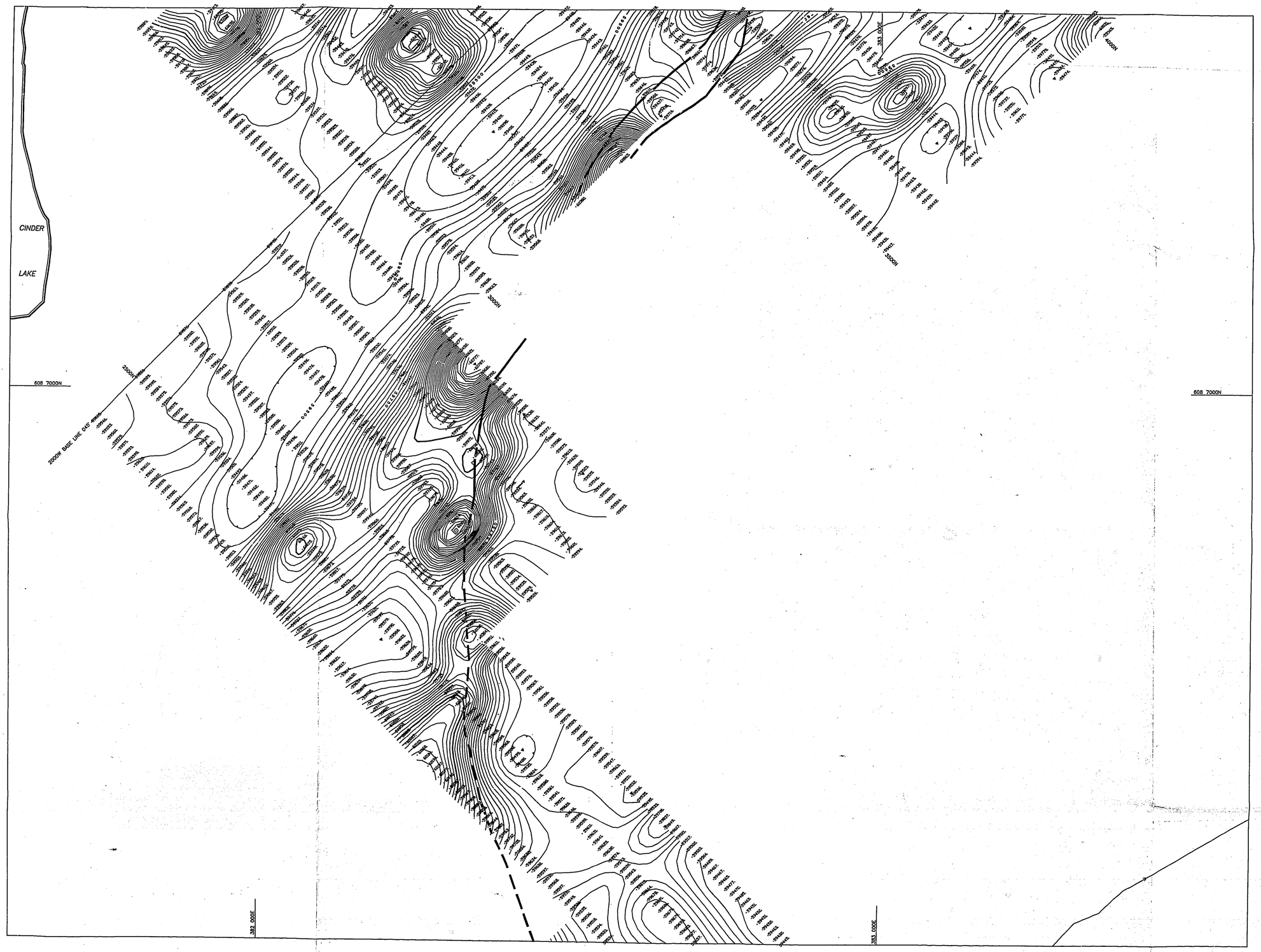
PERMIT P114

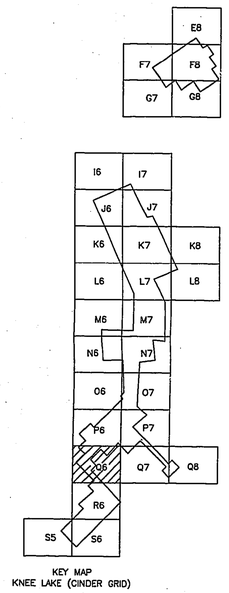
0 50 100 150 200
METRES

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

72752

Project: KNEE LAKE (CINDER GRID)		Area: Knee Lake Area, Manitoba	
MAGNETIC SURVEY		SHEET P7	FIGURE
Supervison: J.J.Hannila	Instrument: EDA OMNI		Survey date: 02/93
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSAW		Data dreamt: 12/93 Revised:
Scale: 1:2500	File: CINMGP7.DWG		N.T.S. 53M2





KEY MAP
KNEE LAKE (CINDER GRID)

LEGEND

CONTOUR LEVELS: 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INTERVAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY)

PERMIT P114

0 50 100 150 200
METRES

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

Project: KNEE LAKE (CINDER GRID)	Area: Knee Lake Area, Manitoba	72252
MAGNETIC SURVEY		SHEET Q6 / FIGURE
Supervisor: J.J.Hannila	Instrument: EDA OMNI	Survey date: 02/83
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSHAW	Date drawn: 12/83 / Revised:
Scale: 1:2500	File: CINMAG6.DWG	N.T.S. 53M2

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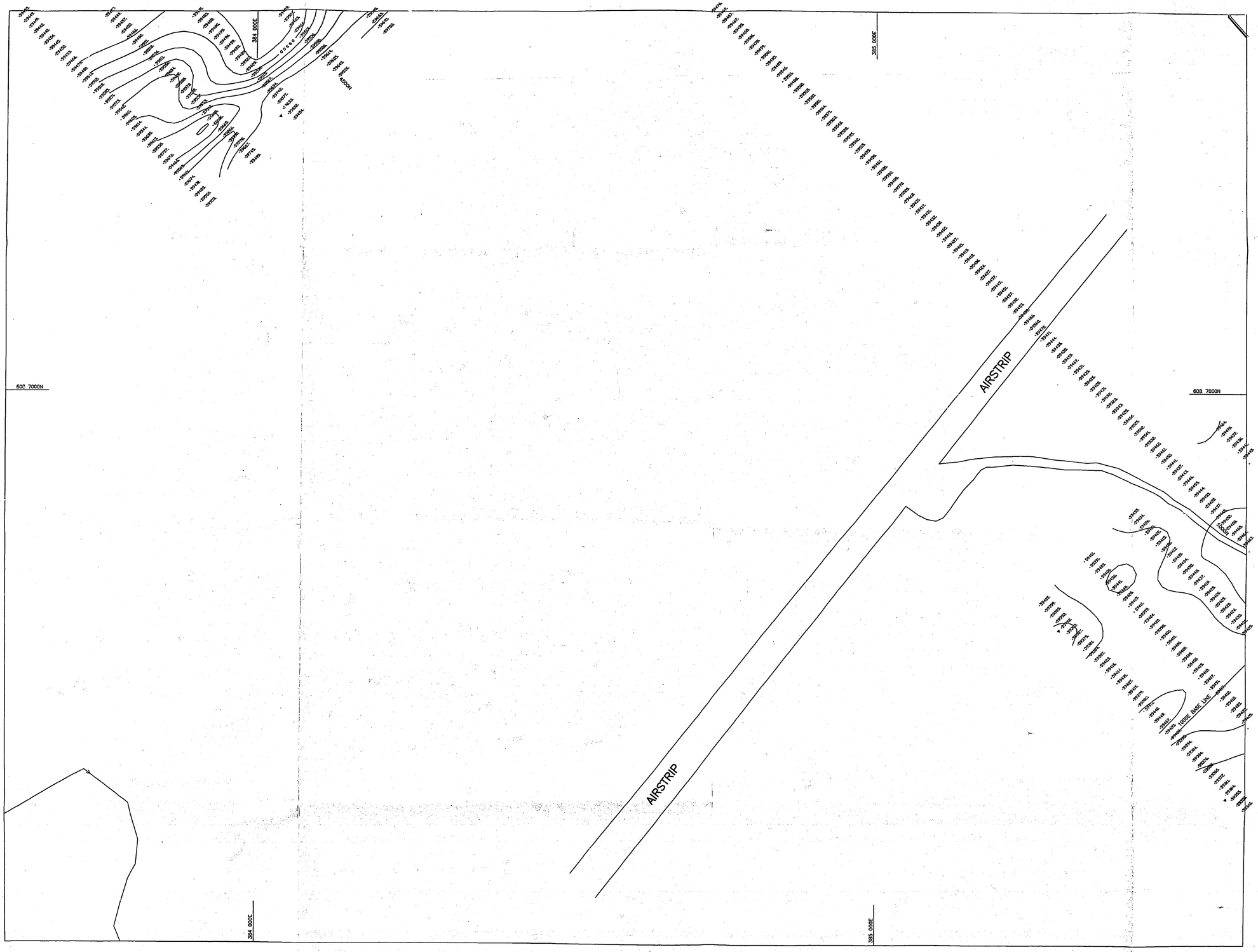
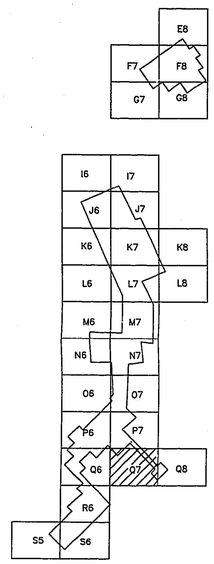




KEY MAP
KNEE LAKE (CINDER GRID)

LEGEND

CONTOUR LEVELS: 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INTERVAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY) ——

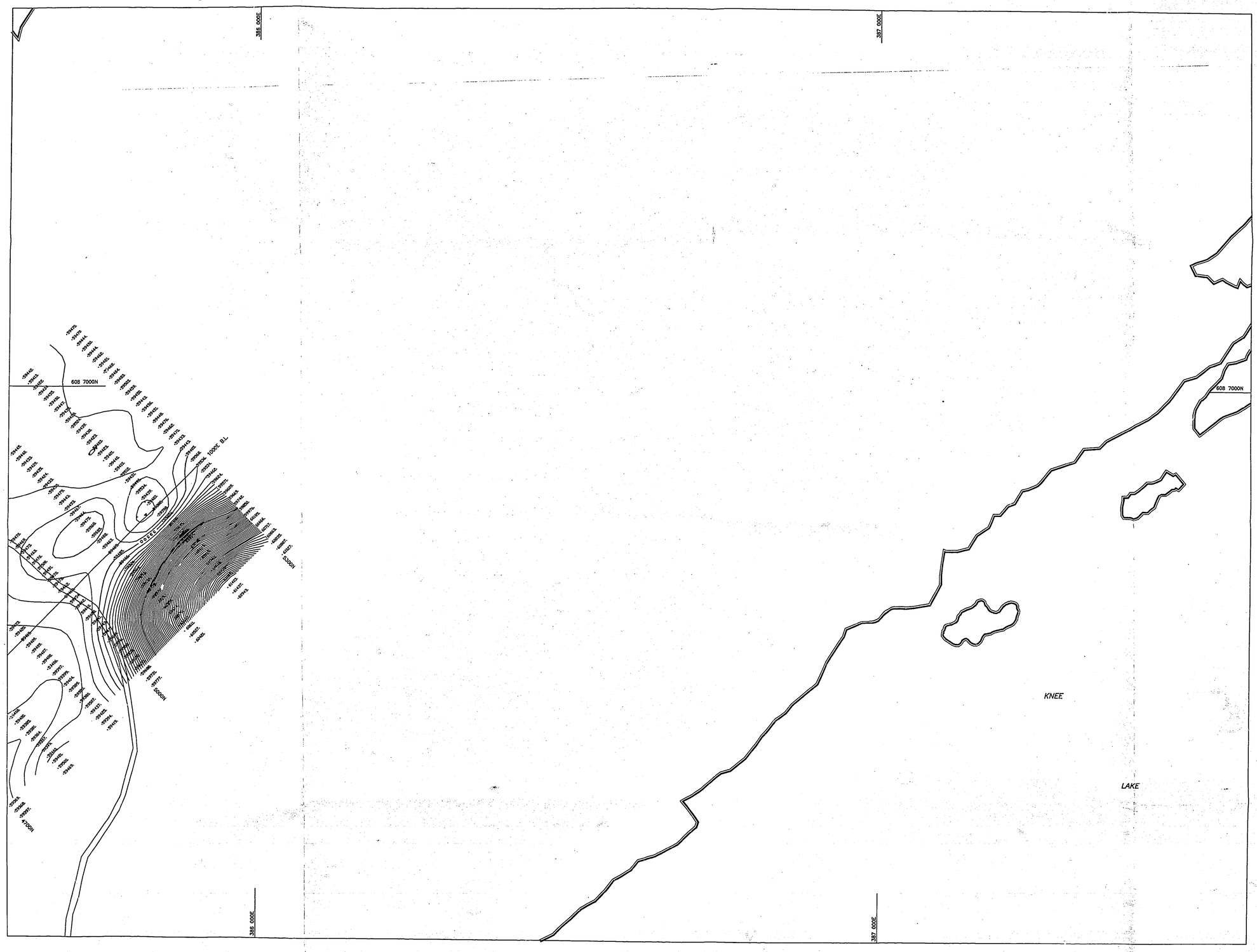
PERMIT P114

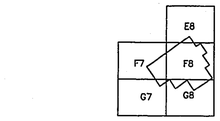
0 50 100 150 200
METRES

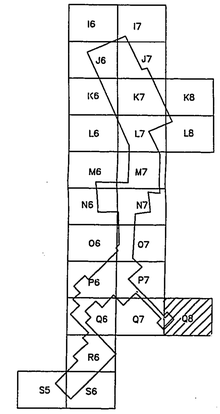
INCO EXPLORATION AND TECHNICAL SERVICES INC. Thompson, Manitoba R8N 1S4

Project: KNEE LAKE (CINDER GRID)		Area: Knee Lake Area, Manitoba 72 752	
MAGNETIC SURVEY			SHEET Q7 / FIGURE
Supervisor: J.J.Hanna	Instrument: EDA OMNI	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSAW	Date drawn: 12/93	Revised:
Scale: 1:2500	File: CINMG07	N.T.S. 53M2	

24X







KEY MAP
KNEE LAKE (CINDER GRID)

LEGEND

CONTOUR LEVELS: 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INTERVAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY)

PERMIT P114

0 50 100 150 200
METRES

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

Project: KNEE LAKE (CINDER GRID)		Area: Knee Lake Area, Manitoba 72752	
MAGNETIC SURVEY		SHEET Q8	FIGURE
Supervisor: J.J.Hannila	Instrument: EDA OMNI	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSAW	Data drawn: 12/93	Revised:
Scale: 1:2500	File: CINMAG8.DWG	N.T.S. 53M2	

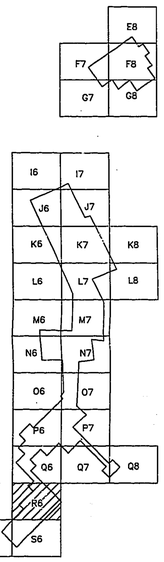
352 000E

353 000E

608 6000N

608 5000N

BASE LINE 045



KEY MAP
KNEE LAKE (CINDER GRID)

LEGEND

CONTOUR LEVELS: 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INTERVAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY)

PERMIT P114

0 50 100 150 200
METRES

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

Project: KNEE LAKE (CINDER GRID)		Area: Knee Lake Area, Manitoba	72 752
MAGNETIC SURVEY			SHEET R6 / FIGURE
Supervision: J.J.Hannila	Instrument: ETA OMNI	Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSHAM	Data drawn: 12/93	Reviewed:
Scale: 1:2500	File: CINMGR5.DWG	N.T.S. 53M2	

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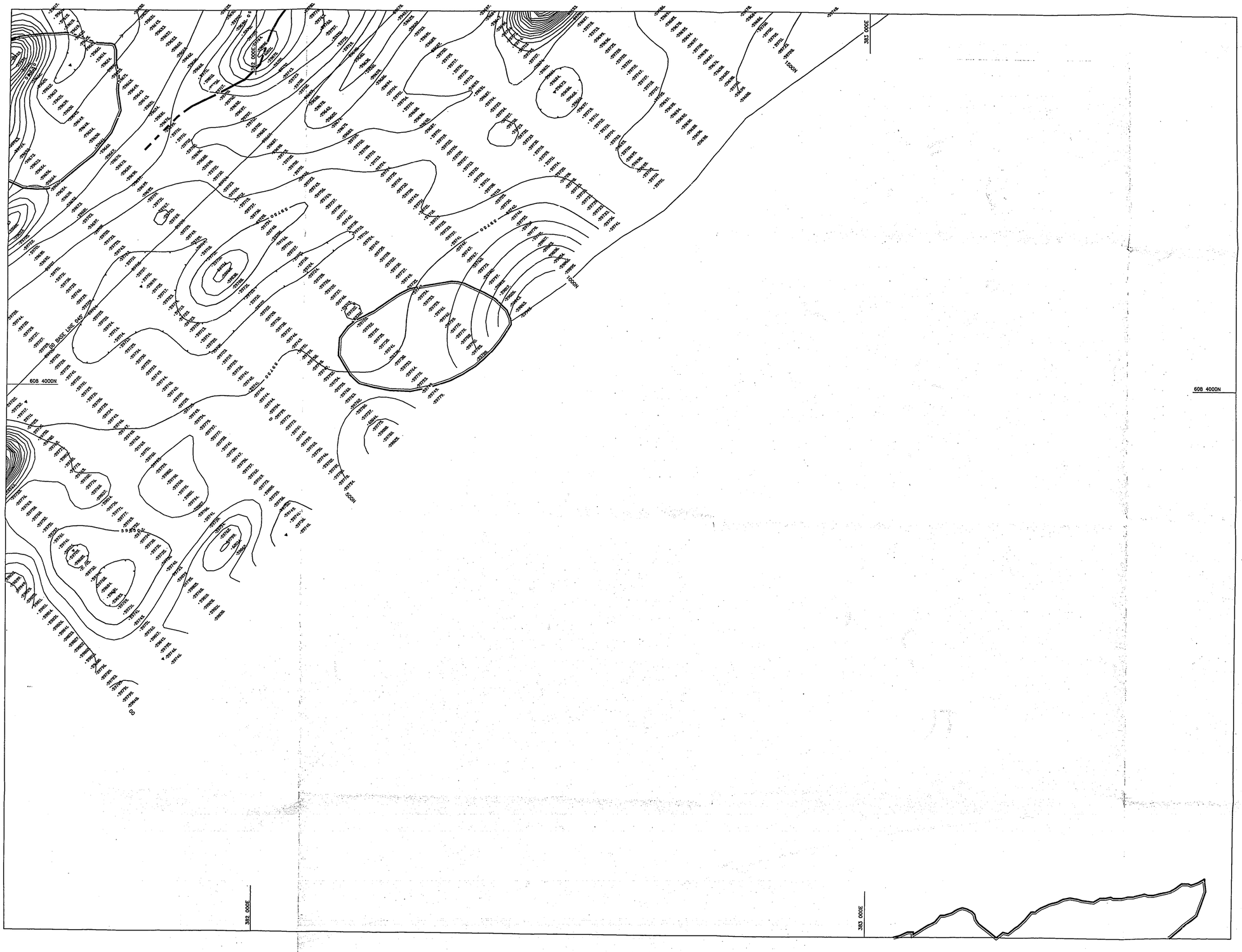
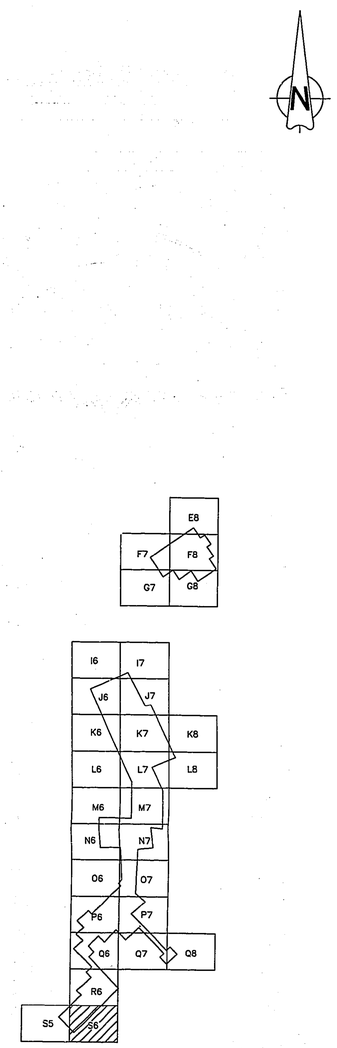




KEY MAP
KNEE LAKE (CINDER GRID)

LEGEND

CONTOUR LEVELS: 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INTERVAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY)

PERMIT P114

0 50 100 150 200
METRES

INCO EXPLORATION AND TECHNICAL SERVICES INC.

Thompson, Manitoba
R5N 1S4

Project: KNEE LAKE (CINDER GRID)	Area: Knee Lake Area, Manitoba 72752
MAGNETIC SURVEY	SHEET S6 / FIGURE
Supervisor: J.J.Hannila	Instrument: EDA OMNI
Survey date: 02/93	
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSAW
Date drawn: 12/93	Revised:
Scale: 1:2500	File: CINMGS6.DWG
N.T.S. 53M2	

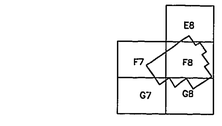
380 000E

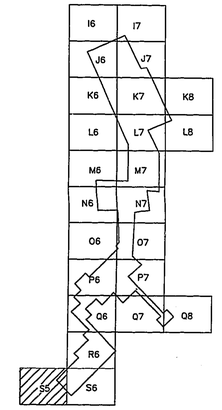
381 000E

608 400ON

608 400ON

00 BASE LINE 045°





KEY MAP
KNEE LAKE (CINDER GRID)

LEGEND

CONTOUR LEVELS: 50nT, 500nT, 5000nT
SMOOTHING FILTER APPLIED
STATION INTERVAL: 12.5m
CONDUCTOR (FROM HLEM SURVEY)

PERMIT P114

0 50 100 150 200
METRES

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

Project: KNEE LAKE (CINDER GRID)	Area: Knee Lake Area, Manitoba	72752
MAGNETIC SURVEY		SHEET S5 / FIGURE
Supervisor: J.J.Hamilla	Instrument: EDA OMNI	Survey date: 02/83
Compiled by: S.J.M., G.R., G.K.	Drawn by: W.E. MARSAW	Date drawn: 12/83 / Revised:
Scale: 1:2500	File: CSMAGSS.DWG	N.T.S. 53m2