FINAL REPORT

OF THE 1990 EXPLORATION PROGRAM

ON THE

LANCE PROPERTY

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VANCOUVER B.C.

Skeena Mining Division, British Columbia
NTS 104B/9W
Latitude: 56°38' North
Longitude: 130°19' West

Prepared for:

SOLOMON RESOURCES LIMITED
Vancouver, B.C.

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SUMMARY

Keewatin Engineering Inc. was commissioned by Solomon Resources Ltd. to carry out an exploration program on the Lance Property. The property is located in the active Eskay Creek/Unuk River area of northwestern British Columbia, 4.5 km east of the Eskay Creek deposit. A one kilometre wide and 5 kilometre long belt of volcanic and sedimentary rocks belonging to the Mount Dilworth Formation (host of the Eskay Creek mineralization) trends through the centre of the Lance Property.

The exploration program was undertaken from June through July 1990, involving induced polarization and magnetic surveys, geochemical sampling, prospecting and geological mapping.

The geophysical surveys, concentrated in the Storie Creek/Dil Grid area, were limited in their coverage by the extreme steepness of the valley walls. Four I.P. anomalies were identified in the surveyed area, three associated with the Salmon River Formation sediments and associated with the Mount Dilworth Formation. A one line follow-up IP survey was conducted parallel to the Mount Dilworth-hosted anomaly. Detailed geological mapping in the area of the anomaly indicated the source to be a fine grained, magnetic, variably pyritic diabase dyke. The other three anomalies remain as possible exploration targets.

A one line IP survey across the newly established Jack Grid, located north of the Jack Glacier, was also completed. No significant geophysical anomalies were delineated.

Results from the geochemical surveys over the property returned values similar to the 1989 program, failing to identify any further high priority exploration targets. An area of anomalous zinc in soil values to the north of Storie Creek was better defined as a result of the grid line extensions. Some of these anomalous stations proved to be coincident with geophysical chargeability anomalies. A further limited investigation of these anomalies by hand trenching and prospecting is warranted.

INTRODUCTION

Keewatin Engineering Inc. was commissioned by Solomon Resources Ltd. to carry out a second season of field exploration on the Lance property located in the Eskay Creek area of northwestern British Columbia.

The 1990 field season built on geological and geochemical information attained from the 1989 exploration program. The 1990 program consisted of further grid establishment and grid line extensions, grid soil geochemical sampling, prospecting, geological mapping, induced polarization and magnetic surveys.

A total of 196 soil samples were collected; 142 from the newly constructed Jack Grid and 55 through line extensions and additions to the Dil Grid. In addition, 38 rock grab samples were collected from across the property.

The steep terrain along Storie Creek hampered and limited the geophysical surveys resulting in discontinuous coverage. In total, 4.3 km were surveyed; 3.2 km of the Dil Grid and a 1.1 km traverse of the Jack Grid.

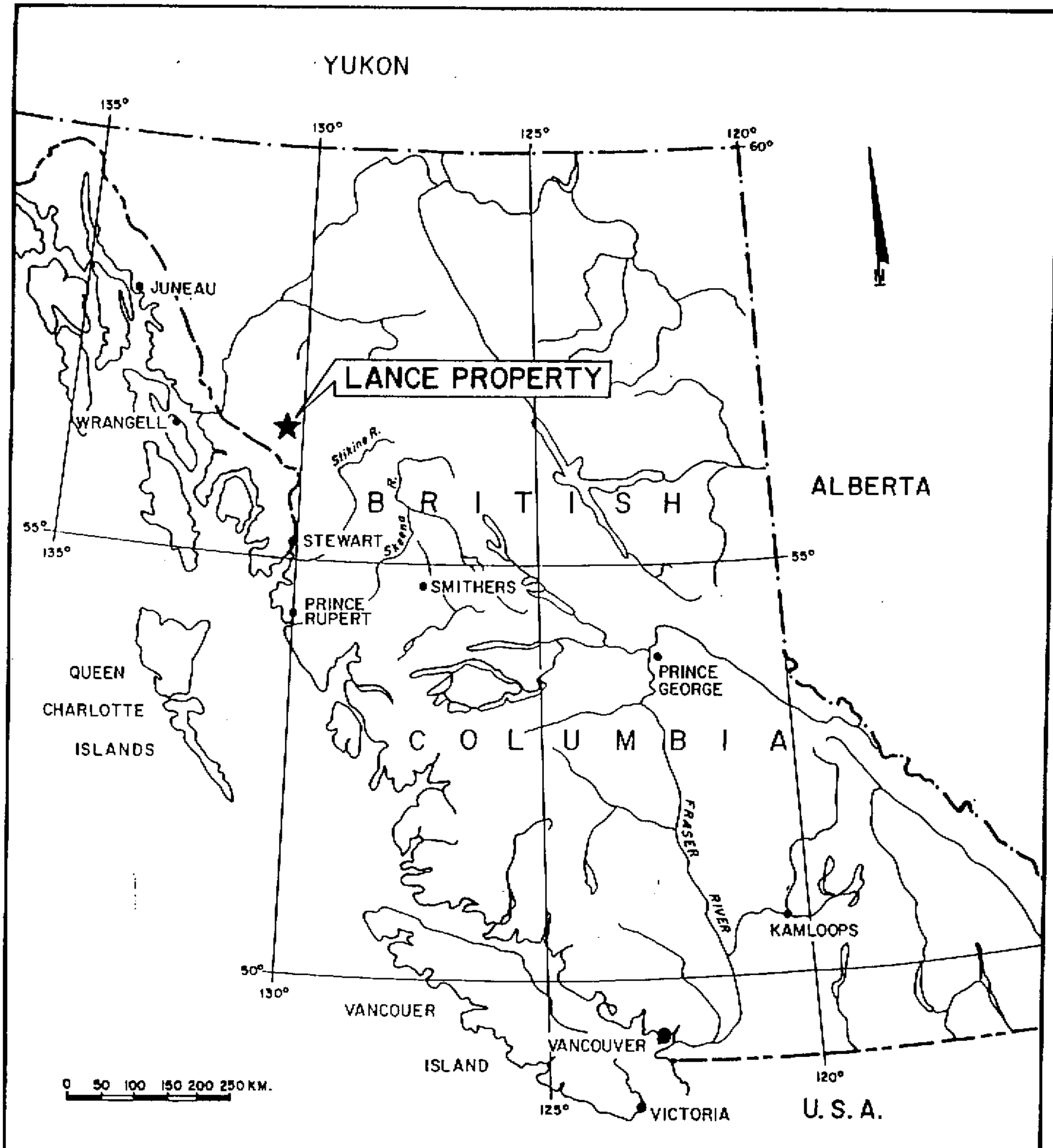
Location and Access

The Lance Property is located in northwestern British Columbia approximately 80 km north-northwest of Stewart, B.C. (Figure 1). The claims are centred at about 56°38' North latitude and 130°19' West longitude on NTS map sheet 104B/9W. Access is via helicopter from Stewart or from the Bronson Creek Airstrip 45 km to the west, or from Bell II on the Stewart-Cassiar Highway 35 km to the east.

Work was conducted out of the Doc Camp, located 20 km to the south above the South Unuk River. Crews were flown by helicopter daily to the property.

Physiography and Climate

The Lance Property is located in the rugged Coast Range Physiographic Division. Valleys are steep sided, characterized by sharp, laterally discontinuous cliffs and bluffs in the western part of the property, and more gentle valley slopes to the east. Two valleys host rapidly ablading glaciers



PROPERTY LOCATION MAP
LANCE PROPERTY

Figure 1

KEEWATIN ENGINEERING INC.

originating in the ice field to the south. Higher elevations on the property are characterized by sub-alpine plateau to steep glacially-clad mountainside. Elevations range from 2,000 feet in the Storie Creek valley to 4,100 feet on the ridge between Bruce and Jack Glaciers.

A transitional treeline roughly follows the 3,500 foot elevation level except in the two glacial valleys where the ice has recently retreated leaving a barren land with minor vegetation, exposed rock and glacial till. Conifers up to 30 m tall are common at lower elevations. Devil's club, slide alder and stinging nettles are abundant below the tree line, especially within stream valleys and along talus covered slopes. Terrain found above the treeline is typified by intermontane alpine flora.

Water for camp and drilling purposes is readily available from numerous ponds and streams on the property.

Precipitation is heavy, exceeding 200 cm per annum. Summers are mild and short with very wet spring and fall seasons. The 1989 field season was, however, uncharacteristically moderate, with very few days lost due to weather. Thick accumulations of snow are common during winter. It is seldom possible to begin surface geological work before July and difficult to continue past September.

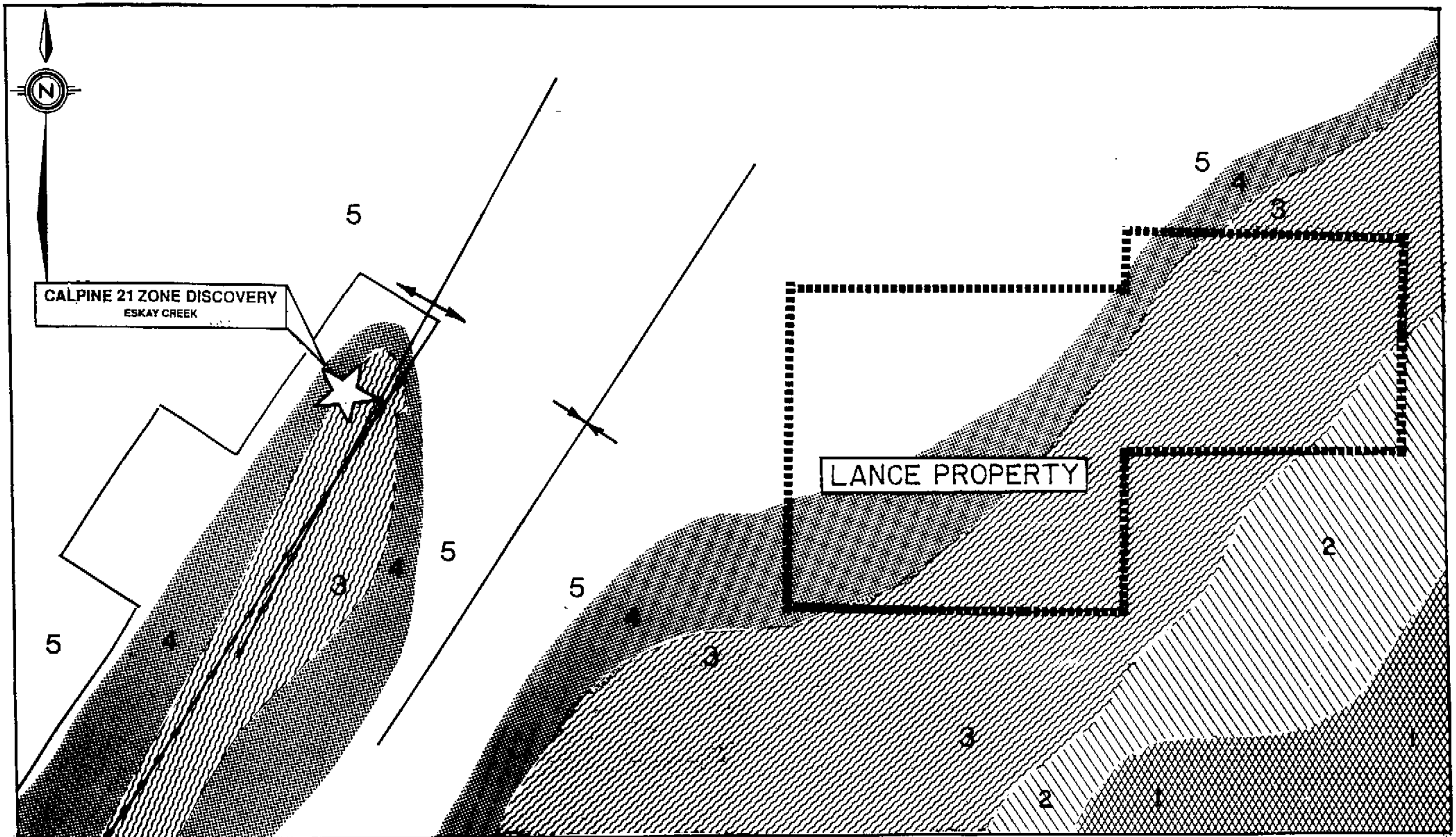
Property Status

The Lance property comprises three mineral claims (56 units) located within the Skeena Mining Division (Figure 2).

TABLE 1: Claim Status

Claim Name	Record No.	No. of Units	Date of Record	Expiry Year	Owner
Lance 1	6106	20	April 28, 1987	2000	C. Pepperdine
Lance 3	6108	18	April 28, 1987	2001	C. Pepperdine
Lance 4	6109	18	April 28, 1987	2001	C. Pepperdine
Total:		56			

The above claims are subject to an agreement between Winslow Gold Corp., Northwind Ventures Ltd. and the claim owners. In August, 1988 Solomon Resources Limited, entered into an agreement with Winslow and Northwind designed to earn a fifty percent working interest in the Lance claims.



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LEGEND

5	Salmon River Formation (Middle Jurassic)
	Mount Dilworth Formation (Lower Jurassic)
	Betty Creek Formation (Lower Jurassic)
	Unuk River Formation (Lower Jurassic)
	Stukini Group (Upper Triassic)

NTS 104B/9W

CLAIM MAP and LOCAL GEOLOGY
(geology adapted from Britton et al, 1989)

Figure 2

Keewatin Engineering Inc.

EXPLORATION HISTORY

Regional

Exploration activity in the Unuk River area began as early as the 1880's with placer gold prospecting. Hardrock exploration in the area resulted in the first small adits being driven into gold-silver-lead veins at the Gold and Cumberland/Daly prospects around 1900. Mineralization at Eskay Creek was discovered in 1932 and exploration work has continued intermittently since that time, culminating with the recent discoveries. The Doc gold-silver-quartz vein was discovered in 1946 along the south fork of the Unuk River. The Granduc discovery in 1953 prompted increased exploration in the area. The search for copper porphyry deposits brought exploration companies and prospectors back into the Unuk River area in the 1970's. The recent finds at Eskay Creek have triggered an intensity of activity unlike anything the area has witnessed.

A major drill program at Eskay Creek, ongoing since Calpine Resources Incorporated discovered high grade gold and silver mineralization, has outlined a sizeable Au-Ag-base metal deposit comprising three separate zones. The South Zone is estimated to contain 2.8 million tons grading 0.218 oz/ton gold, the Central Zone 3.7 million tons grading 0.51 oz/ton gold and the North Zone, comparatively untested, is estimated to contain some of the highest grades and the bulk of the ore. Together, these three zones have shown evidence of containing in excess of four million ounces of gold equivalent (Yorkton Securities, August 6, 1989).

The Unuk River area was covered by regional geological mapping in 1988 as part of the Iskut-Sulphurets Project carried out by the B.C. Ministry of Energy, Mines and Petroleum Resources (Britten et al., 1989). The whole of the NTS 104B map sheet is currently being mapped by R.G. Anderson of the Geological Survey of Canada (Anderson, 1989). A regional stream sediment sampling program was conducted over this area in 1988 (National Geochemical Reconnaissance, 1988).

Property

An airborne VLF-EM and magnetic survey flown in the spring of 1988 was the first recorded work on the Lance group of claims. The survey was flown by Western Geophysical Aero Data Ltd. at the request of Mr. D. Cremonese. Interpretation of the data was completed in May 1988 by Shensha Consultants Ltd. of Calgary. Shensha identified thirteen VLF-EM anomalies and ten magnetic highs within the property boundaries. These anomalies provided targets for the 1989 field program.

A regional stream sediment sampling program carried out by the Geological Survey of Canada (GSC) and British Columbia Department of Energy, Mines and Petroleum Resources (BCDEMPR) included seven silt samples being collected either on the Lance property or from streams draining the property. Six of the seven samples returned elevated pathfinder element values of which two samples returned anomalous gold values (Figure 3). Britten et al. (1989) report that high stream sediment gold values are associated with almost every known precious metal prospect in the Unuk River area. High but variable levels of pathfinder elements such as silver, arsenic, antimony and barium were also associated with the known gold deposits.

TABLE 2
Anomalous Government Silt Sample Results
(Lance Property)

Sample No. (Figure 3)	Result
1	200 ppb Hg
2	40 ppb Au
3	24 ppb Au, 4.2 ppm Sb, 300 ppb Hg
4	4.5 ppm Sb, 300 ppb Hg
5	4.8 ppm Sb, 440 ppb Hg, 730 ppm Zn
6	250 ppb Hg, 260 ppm Zn

The 1989 exploration program undertaken from August to October 1989, involved intensive geochemical sampling, prospecting and geological mapping. A ground geophysical survey was attempted, but not completed due to equipment failure, poor weather conditions and a helicopter crash.

It was determined that the property geology was similar to that at Eskay Creek, although present in a varied stratigraphic order. Little evidence of hydrothermal alteration was identified. Mineralization was found in the form of disseminated, fine grained pyrite or massive lenses and pods of fine pyrite and arsenopyrite with rare sphalerite.

Results from the geochemical survey over the property failed to identify any substantial exploration targets. In particular, detailed soil sampling over 80% of the exposed strike length of the

LEGEND

- [5] Salmon River Formation (Middle Jurassic)
- [4] Mount Dilworth Formation (Lower Jurassic)
- [3] Betty Creek Formation (Lower Jurassic)
- [2] Unuk River Formation (Lower Jurassic)
- [1] Stukini Group (Upper Triassic)

- Disseminated pyrite (to 15%)
- Gossan
- Mineral occurrence
- 8 Unuk (Zone I) - Ag, Au, Zn, Cu
- Fault
- Areomagnetic High (M_1 - augite - syenite dyke; M_2 - porphyry)
- Airborne VLF-EM Anomaly
- x Anomalous Govt. Silt Sample Location (see Table 2)

Geology after Britton (1989)

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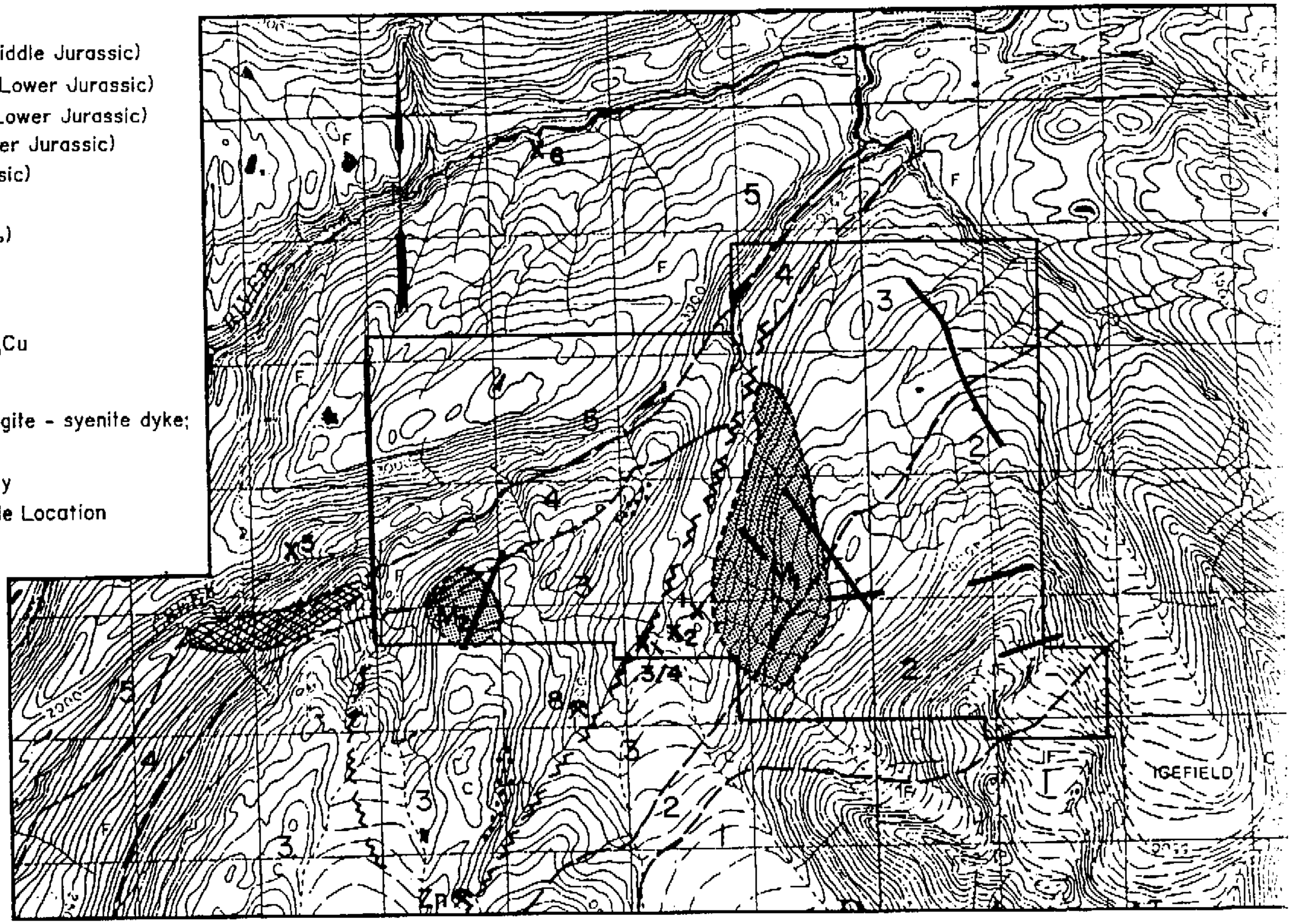

COMPILATION MAP

Figure 3

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prospected Mount Dilworth Formation did not delineate any significant gold, silver or pathfinder element (Sb, Hg, As) anomalies. A number of weak, single station anomalies were identified.

GEOLOGY

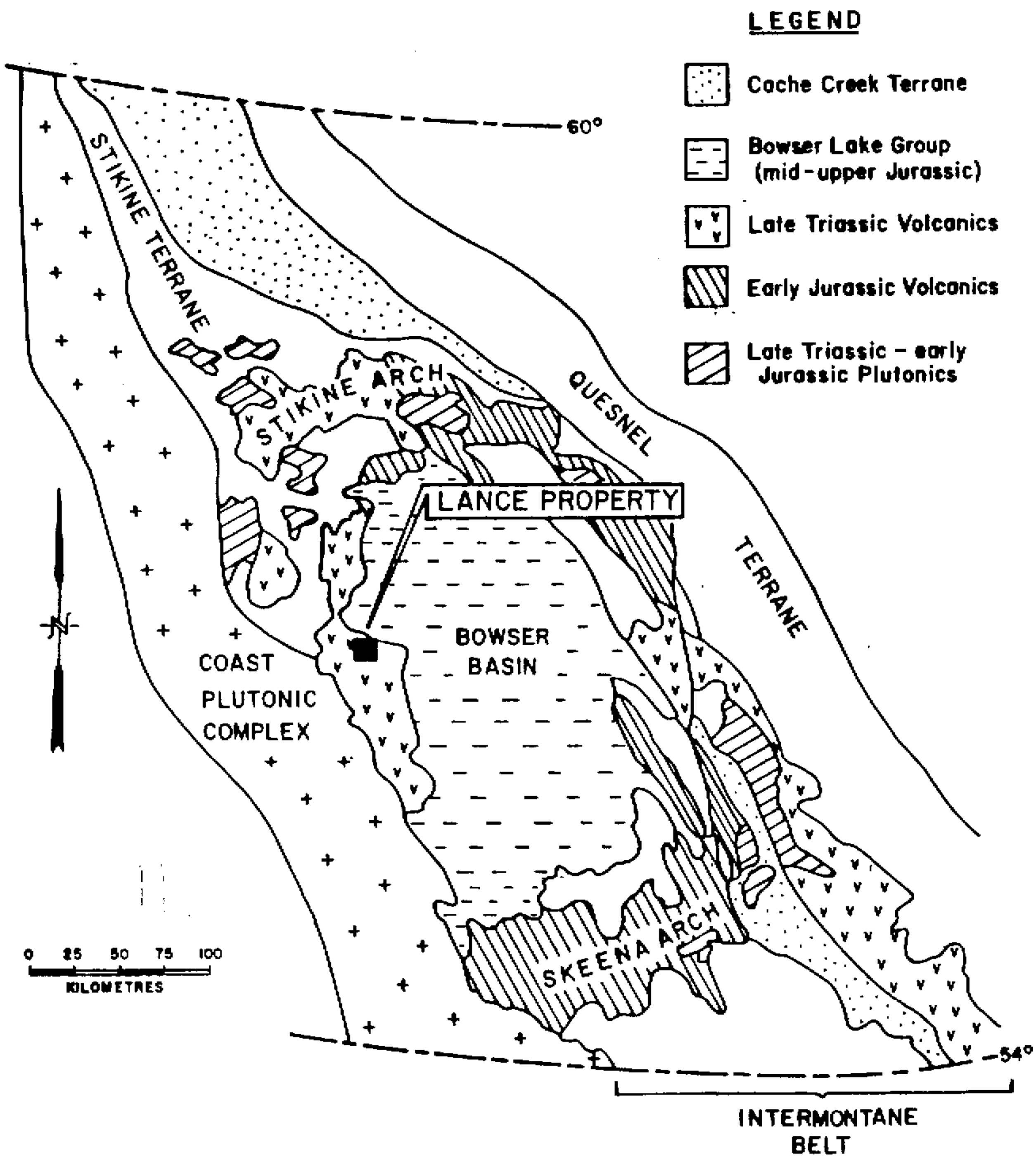
Regional Geology

The property lies within the Intermontane tectono-stratigraphic belt - one of five, parallel northwest-southeast trending belts comprising the Canadian Cordillera (Figure 4). The Lance Property is situated near the boundary between the Stikine Terrane, which comprises the majority of the western part of the Intermontane Belt, and the unmetamorphosed sediments of the Bowser Basin (Figure 4).

During Late Triassic and Early Jurassic time, the Stikine Terrain was the site of very active calc-alkaline volcanism. This volcanism was also accompanied by felsic intrusives that may have been comagmatic with the volcanic events. The sequences of rocks deposited at this time are now referred to as the Hazelton Group (Table 3). This predominantly volcanic assemblage is characterized by basal pyroclastic rocks overlain by argillites and, finally, by coarse volcanic breccia and conglomerate with interbedded tuffs, greywacke and siltstone.

At the end of Early Triassic time, this volcano-plutonic complex was uplifted to form the Stikine Arch. During Middle to Late Jurassic time, parts of the Stikine Terrain were filled with detritus shed from the Stikine Arch. The resulting, mainly sedimentary, sequences are referred to by Grove (1986) as the Betty Creek Formation, the Salmon River Formation and the Nass Formation.

The Unuk Valley is predominantly underlain by an Upper Triassic to Lower Jurassic section composed of miogeosynclinal volcanic and sedimentary rocks. The composition of the volcanic rocks ranges from andesite to rhyolite. Thick layers of siltstone and greywacke are intercalated within the predominantly volcanic assemblage. Grove (1986) assigns most of these rocks to the Unuk River Formation. This formation is the oldest of the Hazelton Group and unconformably overlies Triassic and older units. The Unuk River Formation includes diagnostic Hettangian, Upper Pleinsbachian and Lower to Middle Toarcian fossil assemblages. In the type area, this formation has a measured cumulative thickness of over 14,000 metres.



REGIONAL GEOLOGY
BOWSER BASIN
NW BRITISH COLUMBIA

(Outline of terrane boundaries and major rock groups of the Jurassic and Triassic – modified from Thomson, 1985).

Figure 4

The Unuk River Formation is unconformably overlain by the Middle Jurassic Betty Creek Formation which is mainly composed of clastic sediments with minor conglomerate, carbonate, chert, and volcanic rocks. Fossil collections made from the various sedimentary units have defined the age of the Betty Creek Formation as Lower to Middle Bajocian, that is, lower Middle Jurassic.

The Mount Dilworth Formation, a thin but regionally extensive blanket of felsic pyroclastics, overlies the Betty Creek Formation. Pyritiferous felsic welded tuffs, tuff breccia flows and thin lenses of siltstones, mudstones and argillites are the prevalent lithologies. Sedimentary bands within the Mount Dilworth Formation host much of the mineralization at the Eskay Creek deposit.

A thick sequence of Middle Jurassic, thinly bedded turbiditic siltstones (Salmon River Formation) overlies the Mount Dilworth Formation.

The Hazelton Group rocks were intruded by granitic rocks of the Coast Plutonic Complex. Granodiorite is the predominant rock type, although a variety of lithotypes occur as smaller satellitic diapirs, sills and dykes. The orogenic event which accompanied this intrusive phase also produced a major structural grain along the western margin of the Central Cordillera.

Property Geology

The Lance property was geologically mapped at a scale of 1:5,000 (Plate 1). Mapping was carried out along contour soil lines, creeks and grid lines. Ground control for the contour line mapping was 1:5,000 topo maps, altimeters, topo chain and compass. Base maps were blow-ups of 1:50,000 topo sheets.

Outcrop exposure on the property is generally good, but variable. The recently exposed areas in the glaciated valleys have excellent exposure. Outcrop on other parts of the property is limited to bluffs and cliffs in steeper areas, topographical highs and incised gullies in the more gentle areas.

In an attempt to maintain consistency between regional and property geology, a map-unit subdivision modified from the units established by Britten et al. (1989) was used. The Lance property is underlain by a northeast-southwest trending sequence of volcanic and sedimentary rocks which range in age from Triassic to Jurassic (Figure 2). The distribution of these formations, from oldest to youngest, is described below.

The oldest unit on the property is composed of Lower Jurassic, thinly bedded siltstone and shale with tuffaceous lenses of the Unuk River Formation. Fossiliferous sediments and intermediate to felsic flows (Betty Creek Formation), overlie the Unuk River Formation. The Betty Creek Formation is well exposed in the Jack Glacier Valley, in the central part of the property.

The Mount Dilworth Formation is predominantly composed of volcanic flows and tuffs which underlay that part of the property between the west side of Jack Creek and Storie Creek. Layering within tuffs and flow surfaces indicates that bedding strikes to the northeast and dips steeply to the northwest. The formation is exposed over a strike length of 5.2 km with a maximum true thickness in the southwest of 1.5 km (Figure 5).

The contact between the Mount Dilworth Formation and overlying Salmon River Formation is well exposed in several locations in the Storie Creek Valley and appears conformable. The contact was observed to be very sharp with little appreciable alteration or erosion apparent.

The overlying sediments of the Salmon River Formation occur in the valley bottom of Storie Creek and all of the property to the north. Exposure of the Salmon River Formation is generally poor to the north. A ridge and gully type morphology outlined by resistant and recessive beds is characteristic of the alpine area north of Storie Creek. The Salmon River Formation sediments comprise the stratigraphically highest geological unit on the Lance Property.

A brief description of the four map units as they appear on the Lance Property is presented below:

Map Units

Unuk River Formation (Map Unit 2)

A narrow wedge in the southeastern part of the Lance property is underlain by black, thinly laminated siltstone, shale and argillite of the Unuk River Formation. Also present, in less abundance, are lenses of grey, thinly bedded lithic tuff.

Betty Creek Formation (Map Unit 3)

This well exposed unit is predominantly composed of sedimentary rocks where it is exposed on the Lance Property. The sediments are interbedded with light grey, fine-grained intermediate volcanic flows, and minor lenses of intermediate crystal and ash tuff.

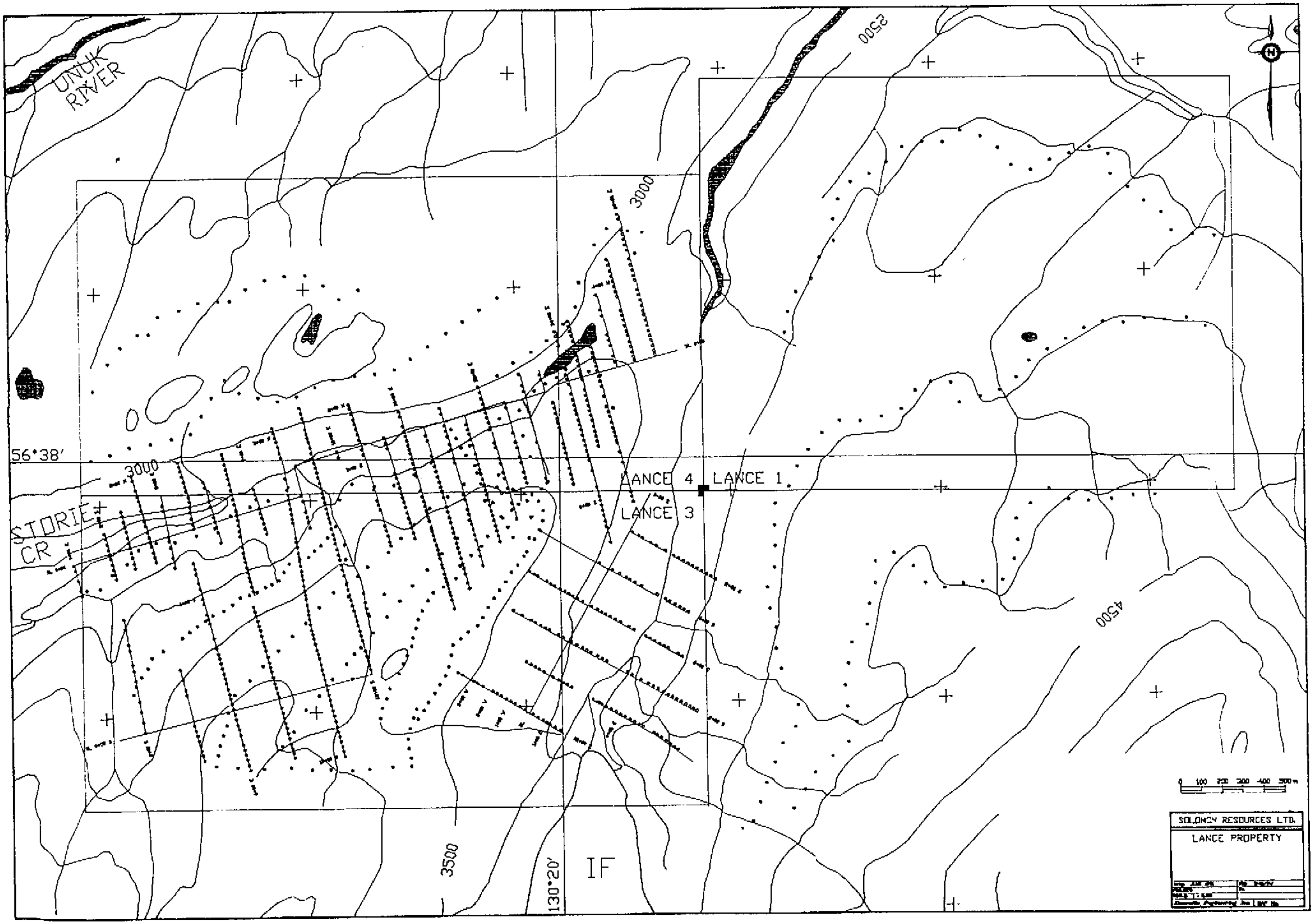


Figure 5 Property Summary Map, 1989 Field Program

Sedimentary rocks are predominantly finely banded, light brown to black, locally fossiliferous siltstone and mudstone. A polymictic, well-graded pebble conglomerate bed is also present, with grading indicating that the rocks are not overturned, and that stratigraphic top is to the northwest.

A thick, laterally extensive, locally banded felsic volcanic flow is located near the top of the Betty Creek Formation.

On the Lance property an irregular surface defines the contact between the interpreted top of the Betty Creek Formation and the bottom of the overlying Mount Dilworth Formation. This contact is an angular unconformity characterized by truncation of sedimentary bands within the Betty Creek Formation.

Mount Dilworth Formation (Map Unit 4)

The Mount Dilworth Formation underlies approximately 40% of the Lance property. This map unit, although similar in description to the Betty Creek Formation, is characterized by gossan forming, pyritiferous; intermediate to felsic volcanic flows and massive tuffs. These volcanics give rise to local gossans where pyritiferous. The most notable of these is the prominent gossan on the west ridge overlooking Jack Creek. A distinctive, polymictic, tuffaceous, lithic wacke unit extensively overlies the intermediate to felsic flows. This unit increases in thickness and extent of outcrop to the southwest, corresponding to an increase in clast size from a maximum of 5 cm in the northeast up to three metres in the Bruce Glacier Valley. This thickening and increase in clast size is considered to represent a proximal versus more distal depositional environment of pyroclastic rocks. The volcanic source is interpreted to be off the property to the southwest. This horizon contains, and is bounded by lenses of both massive fine-grained black andesite and massive to porphyritic, medium to dark green andesite lenses and possible intrusions. Stratigraphically above the lithic wacke and andesite is found thick sections of intermediate to felsic flows and lithic tuffs. Flow surfaces and bedding surfaces form dip slope bluffs and cliffs commonly exhibiting a weakly to well-developed amygdaloidal texture. Amygdules range up to 1 cm diameter and are concentrically infilled with fine-grained pyrite, dark green chlorite, and grey to black pyrobitumen and calcite. Flow surfaces are highly vesicular at the interpreted 'tops', grading to massive.

Numerous thin lenses (up to 2 metres thick) of grey to black calcareous siltstone and dirty limestone are intercalated within the intermediate to felsic volcanic flow/tuff units.

These lenses are recessive and rarely exposed, yet form distinctive gullies where present. Their presence is encouraging in that similar sedimentary horizons are known to host mineralization at Eskay Creek.

The upper contact of the Mount Dilworth Formation is well exposed in at least six locations along the south wall of the Storie Creek valley. The intermediate volcanic flows beneath this contact are pyritiferous, sericitic and gossanous. The pyritiferous Tropical Showing (Figure 5, Plate 1), exposed along a steep waterfall/stream bed is located immediately below this contact.

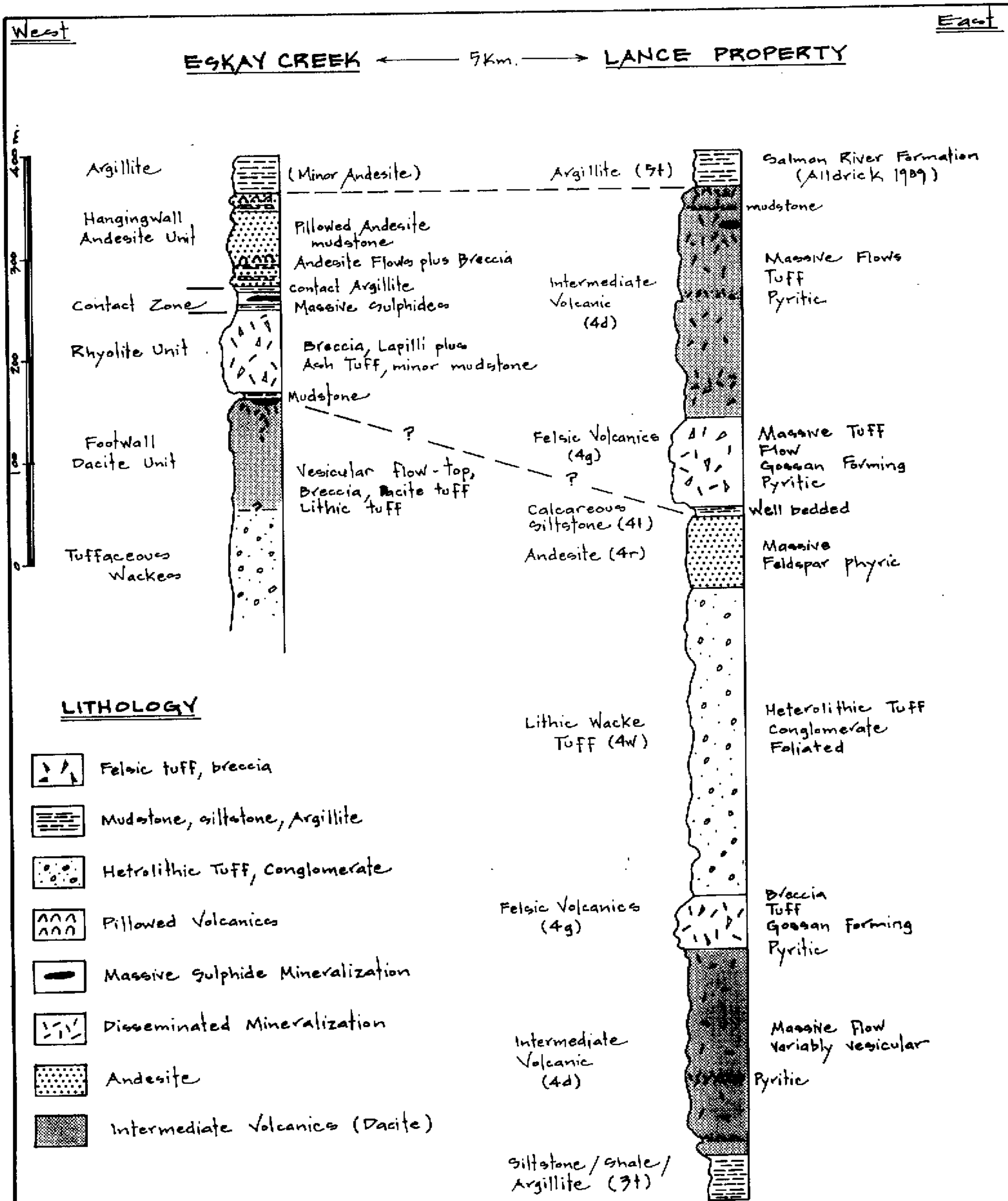
A comparison between the Eskay Creek and Lance Property stratigraphy indicates that the rock units are similar, but present in differing orders (Figure 6). The Eskay Creek sequence, from oldest (1) to youngest (4) has the order:

(4) Andesites
(3) Rhyolite breccias
(2) Dacites
(1) Tuffaceous wackes

The Lance stratigraphy, has the overall stratigraphic order of:

(6) Intermediate Volcanics (Dacites)
(5) Felsic Volcanics (Rhyolites)
(4) Andesites
(3) Lithic wacke conglomerate and tuffs
(2) Felsic Volcanics (Rhyolites)
(1) Intermediate Volcanics

Differences include the presence of a second repetition of rhyolite and dacite units at the Lance as well as the position of the wacke and andesite units. At Eskay Creek the wacke is seen to be lowermost and the andesite to be uppermost. At the Lance, andesites are found overlying the wacke unit mid section (Figure 6).



STRATIGRAPHIC SECTION
ESKAY CREEK and LANCE PROPERTY
scale 1:5000

Figure 6

Salmon River Formation (Map Unit 5)

This unit is composed of well-bedded grey to black graphitic siltstone and mudstone with occasional fine (mm scale) pyritiferous bands which weather to form rusty oxide coatings along bedding surfaces.

Numerous sills from less than one metre to greater than ten metres in width, occur within the Betty Creek sediments and tuffs. These sills appear to be concentrated to the south near the toe of Jack Glacier.

Structure

Major NE-SW trending, near vertical faults are interpreted to exist along Storie Creek, the Bruce Glacier Creek and Jack Glacier Creek. A property wide shear zone is interpreted to run parallel to Jack Creek within the Mount Dilworth Formation. This shear is evidenced by the foliation and clast elongation observed in the tuffaceous lithic wacke unit, the unit hosting the majority of the shear zone's strike length.

The Storie Creek fault is hosted within the Salmon River Formation and, although the fault plane itself was not well exposed, the sediments are moderately contorted along the valley bottom.

Britten et al. (1988) interpreted a gully at the toe of Bruce Glacier to be a reverse fault. This area, just off the Lance 3 claim to the southwest, was not examined this past field season.

Gunning (1987), documented a steeply, west-dipping, post Toarcian reverse fault east of Storie Creek. This fault is assumed to occur in Jack Glacier valley and forms a prominent air-photo lineament. Probably relating to the Jack Creek fault and/or the intermediate intrusives in the area is the fault at the nose of Jack Glacier. Here, faulting has resulted in a non-conformable surface within sediments and sills of the Unuk River Formation.

Bedding within the Betty Creek Formation has defined a property-wide, open syncline with a steeply northwest dipping axial plane.

Alteration

Rocks on the property exhibit low grade regional metamorphism of greenschist facies, as evidenced by the presence of chlorite. Localized contact metamorphism is associated with the intermediate dykes and sills. Clay alteration was occasionally noted in association with fault zones where exposed. Little, if any, evidence of significant hydrothermal alteration was observed on the property. Minor amounts of sericite occur within pyritic intermediate volcanics at the upper contact of the Dilworth Formation. In the BB Grid area, on the southern Lance 3 claim/Th 1 claim boundary (Figure 5), felsic dykes up to 2 m wide are clay altered with pyrite/quartz/carbonate stringers. Altered areas occur as rinds of brightly coloured yellow and brown staining of massive to disseminated pyrite.

Mineralization

Mineralization within the Dilworth Formation package was found to occur predominantly as lenses of semi-massive to massive pyrite within the intermediate and felsic volcanic flows and tuffs. Examples include the Feeney and Tropical showings (Figure 5, Plate 1). The Feeney Showing is a strataform, 8 m long by 1.5 m thick lens of massive pyrite in "dacitic" fine-grained volcanic rock. A jarosite coating is seen on the surface where exposed to weathering. The Tropical Showing is located at the Mount Dilworth/Salmon River contact and consists of two separate pyrite-rich volcanic flows with a combined width of approximately 30 metres. Eighteen grab samples from both showings failed to return elevated levels of gold (>10 ppb) or base metals.

Sulphide mineralization occurs in the form of pods, or possible vent pipes ("black smokers") on flow surfaces of the volcanic flows to the northeast of camp within the Dilworth Formation. These pods were up to 1 m in diameter and contained brecciated massive fine grained pyrite, and dark grey earthy arsenopyrite and a micro quartz stockwork texture. Samples were not anomalous (>10 ppb) in gold but returned elevated values in arsenic (149 ppm) and chromium (189 ppm).

The felsic flows and massive tuffs on the Jack Creek side of the Mount Dilworth Formation exhibit brecciated zones with pyrite as veins and matrix material. These pyritic zones along with disseminated pyrite throughout the volcanics form the strong yellow-brown colour anomalies characteristic of the Mount Dilworth Formation throughout the Unuk River area.

The intermediate volcanic dykes and sills intruding the Betty Creek sediments in the BB Grid area were seen to host fine (1-2 cm) pyrite/quartz carbonate stringers and stockwork which returned anomalous gold, silver and base metal values (Table 4). Clay alteration of these dykes is localized around the zones of pyrite/quartz/carbonate stringers. Exposure in this area is good, and it appears that the mineralization is confined to these localized stringer zones within one or, possibly, two intermediate dykes.

The grab samples with the highest values returned from this area are listed below:

TABLE 3: Rock Geochem Results - BB Grid Area

Sample No.	Au oz/ton	Ag ppm	Pb ppm	Zn ppm
90LYR 13	0.027	9.6	65	109
90LTTR 25	0.034	24.7	230	16
90LYR 12	0.055	1.95	355	2,057

The altered dykes strike northwest and it is possible that mineralized stringers reach greater widths along strike in the lesser exposed area off the property to the northeast.

GEOCHEMISTRY

The geochemical program on the Lance property involved firstly the sampling of grid lines and grid line extensions added to the Dil Grid in order to provide control for the geophysical survey, and secondly along grid lines of the newly constructed Jack Grid. Rock geochemical grab samples were collected from sulphide bearing volcanic and sedimentary rock and from sedimentary lenses within the volcanics. Stream silt samples were collected where grid lines crossed drainages.

All samples collected were shipped to Bondar Clegg for gold fire assay and 29 element ICP analysis. Analytical methods are listed in Appendix I, results for soil and rock samples are included in Appendix II and III respectively.

Soil Geochemistry

A total of 196 soil samples were collected from both the Jack and Dil Grid - 142 from the Jack Grid located in the valley north of the Jack Glacier, and 54 from the Dil Grid located in the Storie Creek area. Samples from the Dil Grid resulted from extended or added grid lines which were designed to provide geophysical control. The sample interval was 25 m on both grids. Lines were spaced at 100 m on the Dil Grid and 150 m throughout the Jack Grid. Combined with last seasons sampling, a total of 1,168 soil samples have been collected and analysed.

All samples were collected by grub hoe. Samples were collected from the "B" soil horizon. The "C" horizon was locally sampled where the "B" horizon was not well developed. The average depth of sample holes was 25 cm. The Jack Grid, due to its location within the recently deglaciated valley below Jack Glacier, involved sampling of glacial till material. Elsewhere, areas of heavy glacial till were not sampled. Detailed notes for samples collected are incorporated into Appendix V. Some Jack Grid detailed sample information was lost due to personnel changes. Locations for both contour and grid soil samples are plotted on Map 2. Results for Au and As are plotted on Map 3, As, Sb and Zn on Map 4. Summary statistics and histograms of soil sample results are found within Appendix IV.

Dil Grid Soil Geochemistry

The Dil Grid, with grid lines oriented at 074° and located in the Storie Creek drainage valley, covers a rugged, steep sloped, often non-negotiable area. Lines were completed wherever possible. The grid facilitated more accurate and detailed geological mapping than had been previously completed as well as soil sample and geophysical survey control. Lines onto the north slope of Storie Creek were cut due to heavy slide alder coverage. The baseline was also cut. Even numbered lines from 4+00E to 12+00E were extended to the north as far as the terrain permitted in order to provide geophysical coverage at depth to the south.

The geochemical results from the Dil Grid, are similar to the 1989 results in that they did not identify any significant or areally extensive gold-in-soil anomalies. Gold values were consistently in the <5 ppb to 30 ppb range. The trend of anomalous zinc values in soil which was identified during the 1989 field program was better defined by the line extensions cut to the north of Storie Creek (Figure 4). This zinc anomaly, with values up to 2000 ppm, appears to trend east-west parallel Storie Creek. It is located entirely within the Salmon River Formation sediments near the basal contact with the overlying Mount Dilworth Formation. Prospecting along the anomaly's trend failed to identify any mineralization in the limited outcrop or float.

Jack Grid Soil Geochemistry

Although the valley below the Jack Glacier was only recently de-glaciated and therefore contains little soil development and an abundance of glacial till, a prospecting 'soil sample' survey was conducted in the hopes of determining gold enriched areas. A total of 4.7 line kilometres were sampled, but once again steep terrain kept many lines from being completed.

No gold enriched areas or trends were identified. Single station spot highs in the 100 - 200 ppb Au range were recorded along with one sample (L2+00S, 0+50E) which returned a value of 568 ppb Au and 330 ppm Zn. These spot highs have not yet been followed up with further prospecting. The soil geochemical results are listed in Appendix II.

Rock Geochemistry

Through the course of geological mapping and prospecting a total of 38 rock grab samples were collected from across the property. Rock geochemical results are listed in Appendix III and sample locations and gold results are plotted on Map 1. Rock descriptions and location notes are listed in Appendix VI. The majority of rock samples were collected in the Dil Grid area. No samples returned highly anomalous gold or base metal values. A float sample (90X043R003) collected along the N-S claim line to the east of Jack Glacier returned a value of 330 ppb Au, 3,590 ppm Pb and 601 ppm Zn. The origin of this rock float was not determined.

A total of 15 rock samples were collected from the finely bedded siltstones and shales of the Salmon River Formation. Five of these were samples from L5+00E, 0+50N outcrop/talus area. Here, horizons of fine bedded pyrite within argillite, very similar to ore bearing horizons at Eskay Creek, were observed and sampled. These samples returned values weakly anomalous in silver and zinc (up to 1.6 ppm Ag and 89 ppm Zn).

As follow-up to the zinc-in-soil anomaly on the north slope of Storie Creek, an outcrop 25 m to the north of the most anomalous zinc sample station was prospected and sampled. A grab sample (90X043R1993, Figure 7) of weakly folded, sheared, fine bedded argillite returned a slightly elevated zinc value (187 ppm Zn).

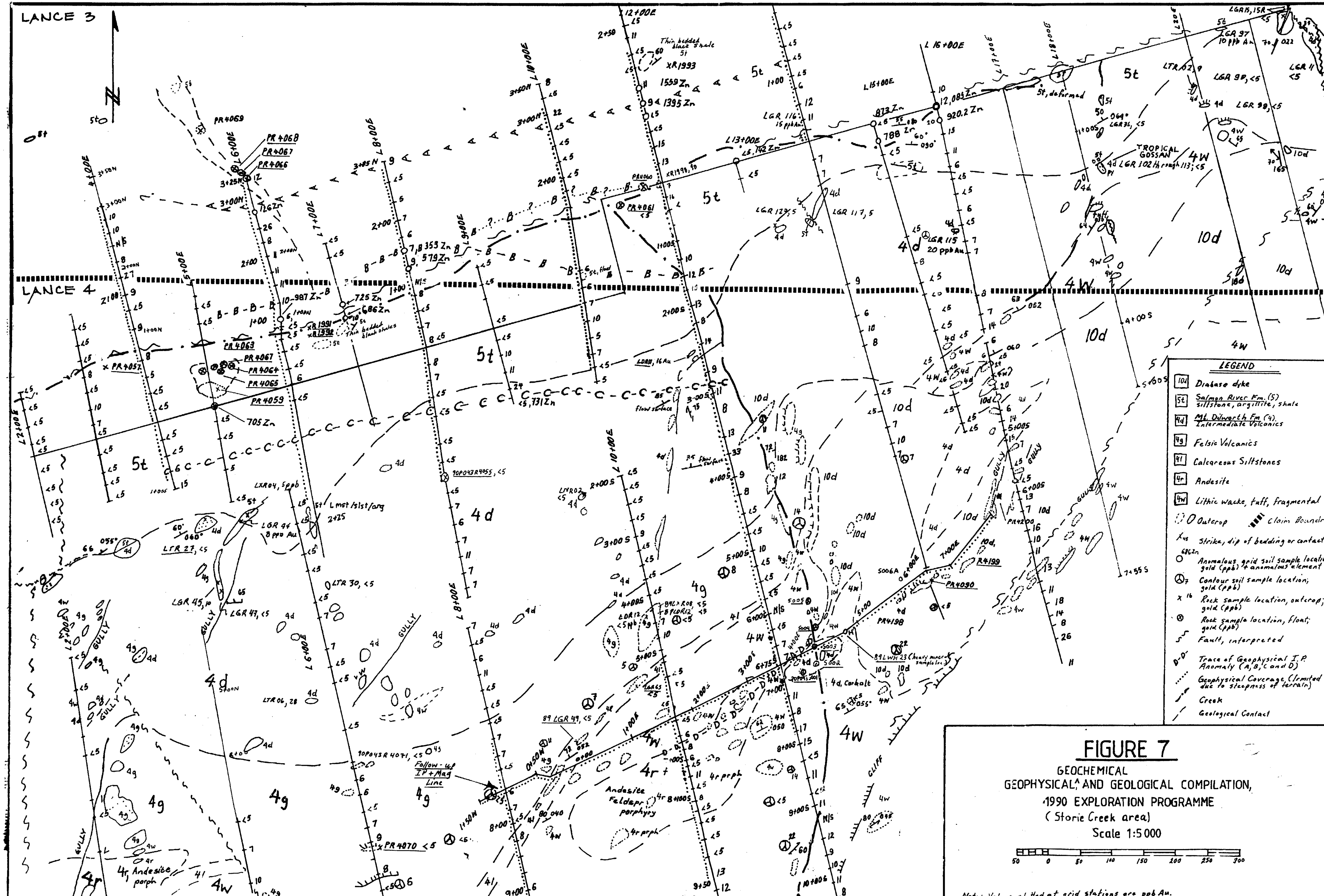


FIGURE 7

GEOCHEMICAL, GEOPHYSICAL AND GEOLOGICAL COMPILATION,
1990 EXPLORATION PROGRAMME
(Storie Creek area)
Scale 1:5 000

Note: Values plotted at grid stations are ppb Au.

GEOPHYSICS

Induced polarization and magnetic surveys were carried out by Scott Geophysics Ltd. An attempt was made to conduct a VLF survey as well but continued difficulties with the instrument eventually lead to its abandonment. Even numbered lines on the western Dil Grid were intended to be surveyed in their entirety. The IP crew were unable, however, to access many of the grid lines due to the steepness of the slopes. Parts of the cut grid lines to the north of Storie Creek were also too steep for the geophysical crew and equipment. Geophysical coverage is shown on Figure 7. In addition to the Dil Grid, lines 12+00S to the west of Jack Creek and 10+00S to the east were surveyed to provide one line of IP coverage across the Jack Grid.

The Scott geophysical report (Appendix VII) indicates the presence of four chargeability anomalies; A, B, C and D. All four are east-west trending, perpendicular to the grid lines (see Figure 7) and parallel to the regional strike. Three of the four anomalies (A, B, C) are located either entirely within the Salmon River Formation or at the contact within the Mt. Dilworth Formation (Figure 7). A follow-up I.P. line was run parallel to this fourth anomaly at a later date. Detailed geological mapping was also carried out along this new IP line. Anomalies described below are referred to as they are identified in the brief Scott Geophysics Ltd. report (Appendix VII). Grid locations are also those indicated in the Scott Geophysics report, even when it appears the anomaly may extend beyond the locations specified.

Anomaly A; Line 14+00E/1+25N to 6+00E/2+85N

Anomaly A is located at the northern ends of all lines except for L4+00E. The brief comment in the report on this anomaly is that it "appears to be an apparent flat lying unit" (Appendix VII). Geological mapping of the limited outcrop in this area indicates the stratigraphy to be north dipping at approximately 60°. There is no geological evidence on surface of a flat lying body. It is of interest to note that the IP anomaly and the zinc soil geochemical anomaly on line 12+00E are coincident. Otherwise, the anomalous zinc values appear to be coincident with anomaly B on lines 6+00E and 8+00E (Figure 7). The geophysical pseudosections, however, (Plates 5-16) indicate that anomaly A is not associated with a resistivity low, as would be expected if it were the expression of a massive sulphide mineralized body.

Anomaly B; Line 12+00E/1+50S to 6+00E/1+25N

Anomaly B, which is parallel to anomaly A, is located along the Storie Creek valley bottom. It is, as mentioned above, coincident with high zinc values on lines 6+00E and 8+00E (Figure 7). The anomaly is interpreted as having a change in direction between L10+00E and L12+00E, changing from an east-northeasterly direction between lines 6+00E and 8+00E to an easterly trend between lines 10+00E and 12+00E. It appears that Anomaly B, with its high chargeability and low resistivity could be extended to the west to L4+00E near 1+20N (see pseudosection L4+00E, Map 13, Figure 7).

The Scott Geophysics report interprets Anomaly B as "Probably a contact area". There is no geological evidence, however, for this to be a contact area as geological mapping has determined the anomaly to be located entirely within the Salmon River Formation sediments.

Whether Anomaly A swings to the south between lines 10+00E and 12+00E is uncertain. Anomaly A has a low resistivity associated with high chargeability. The easternmost interpreted station, L12+00E/1+50S has no associated resistivity low. Geophysical station L12+00E/0+05S however, has both a chargeability high and a resistivity low. It is possible that the anomaly continues to trend down the valley bottom between lines 10+00E and 12+00E to 0+05S on L12+00E rather than swinging off to the east to 1+50S as suggested by the Scott Geophysics report (see Figure 7).

Anomaly C; Line 12+00E/3+10S to L4+00E/0+75S

Interpreted by Scott Geophysics as "a diffuse target zone", this anomaly runs sub-parallel to the contact between the Salmon River Formation and Mt. Dilworth Formation. The anomaly appears to cross over the contact at around L9+00E, 1+00S. There are pyritic beds within the basal argillites of the Salmon River Formation and pyritiferous volcanics within the Mt. Dilworth Formation in the contact area. It may be that this increase in sulphide content in both units along this contact is the source of the anomaly. As the Scott Geophysics report indicates this anomaly is "diffuse", with the chargeability high spread out over approximately fifty metres. There is no resistivity low associated with the chargeability anomaly, nor any multi-station geochemical anomalies in the general area.

Anomaly D; 12+00E/6+50S to 10+00E/6+75S (Also Follow-Up Line #1; 5+75E to 7+75E)

Located entirely within the Mount Dilworth Formation, this conductivity "two line strong, open to east" anomaly does not have an associated resistivity low. Its location within the favourable

Dilworth Formation host unit, and unknown origin led to a further geophysical line being surveyed to better define the anomaly. The follow-up IP line was surveyed at a later date and was run parallel to the trend of the anomaly, nearly perpendicular to the previously surveyed geophysical lines (Figure 7). A strong chargeability anomaly was defined at the eastern end of the line from station 5+75E to 7+75E (the easternmost station). Detailed geological mapping along the line determined fine grained, highly magnetic, variably pyritic (1-8%) diabase dyke to be the source of the anomaly. Rock grab samples of the pyritic diabase returned no anomalous precious metal values and weakly elevated zinc values to 134 ppm zinc.

CONCLUSIONS

The 1990 exploration program on the Lance property involved building on the work completed during the 1989 field program. Work primarily involved grid re-establishment and extension, as well as induced polarization and magnetic survey in the Storie Creek/Dil Grid area. A second soil geochemical prospecting grid was established in the Jack Glacier valley in the eastern part of the property. An IP survey was conducted along one east-west trending grid line of the new Jack Grid.

No significant geochemical targets were identified in either grid areas. The zinc-in-soil anomaly along the northern side of Storie Creek (Dil Grid) was better defined as a result of the cutting and extension of even numbered grid lines to the north.

Results from the Dil Grid geophysical survey outlined four east-west trending anomalies. Three of these anomalies are located within the sediments of the Salmon River Formation and could represent chargeable mineralized bands. Anomalies A and B have coincident zinc soil geochemical anomalies associated with some stations. A very strong anomaly (D), is located entirely within the Mt. Dilworth Formation.

A follow-up geophysical IP line was established at a later date parallel to anomaly D. A strong IP conductor was identified in the eastern two hundred metres of the line. Detailed geological mapping along this highly anomalous line indicated a fine grained, magnetic and variably pyritic diabase to be the probable source of the IP anomaly. Rock grab samples of the pyrite mineralization failed to return any anomalous precious metal values.

The one 'prospecting' geophysical line surveyed across the Jack Grid failed to identify any geophysical targets.

RECOMMENDATIONS

The geochemical and geophysical surveys on the Lance property failed to identify any further significant exploration targets within the Mt. Dilworth Formation. The geophysical survey in the Dil Grid area outlined three IP conductors within the overlying Salmon River Formation sediments, two with spot coincident zinc in soil anomalies. These anomalies could be further investigated through more detailed prospecting, soil geochemistry (soil auger) and trenching.

Respectfully submitted,

KEEWATIN ENGINEERING INC.

AMGibson

Alexander M. Gibson, B.Sc.

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STATEMENT OF QUALIFICATIONS

I, ALEXANDER M. GIBSON, of 555 E. St. James Road in the District of North Vancouver in the Province of British Columbia, do hereby certify that:

1) I am a graduate of the University of British Columbia, B.Sc. Geology (1988) and have practised my profession continuously since graduation.

2) I am a member of the Geological Association of Canada.

3) I am presently employed on contract with the firm of Keewatin Engineering Inc., with offices at Suite 800 - 900 West Hastings Street, Vancouver, British Columbia.

4) During the period of June - July 1990, I managed and carried out the exploration program on the Lance Property at Storie Creek on behalf of Winslow Gold Corp. and Solomon Resources Limited.

5) I do not own or expect to receive any interest (direct, indirect or contingent) in the property described herein nor in the securities of Winslow Gold Corp. nor Solomon Resources Limited in respect of services rendered in the preparation of this report.

Dated at Vancouver, British Columbia this 26th day of June, 1991.

Respectfully submitted,

AMGibson

Alexander M. Gibson, B.Sc.

APPENDIX I

Laboratory Analytical Methods

LABORATORY ANALYTICAL METHODS

The Bondar-Clegg analytical methods are described as follows:

Sample Preparation

Silt & Soil:	Dry and sieve through 80 mesh screens. Gold values are determined on 30 gram, representative sample of minus 80 fraction by fire assay with AA finish; remaining elements are determined using 0.6 gram sample of minus 80 fraction by hot aqua regia digestion followed by ICP.
Rocks:	Dry and crush to minus 150 mesh; analysis made on minus 150 fraction by methods described above.
Geochemical Analysis:	Gold is determined on a test sample of 30 g using Fire Assay Lead Collection pre-concentration. The bead is dissolved in nitric acid and hydrochloric acid and run by Atomic Absorption. Mercury is determined on a test sample of 0.6 g. The sample is digested by aqua regia and bulked to 12 ml. The solution is then run by Cold Vapour Atomic Absorption. All other elements are determined on a test sample of 0.6 g. The sample is digested by aqua regia and bulked to 12 ml. The solution is then run by ICP.
Fire Assay Procedure for Au:	A prepared sample of one assay ton (29.166 grams) is mixed with a flux which is composed mainly of lead oxide. The proportions of the flux components (the litharge, soda, silica, borax glass, and flour) are adjusted depending upon the nature of the sample. Silver is added to help collect the gold. The samples are fused at 1950 F until a clear melt is obtained. The 30-40 gram lead button that is produced contains the precious metals. It is then separated from the slag. Heating in the cupellation furnace separates the lead from the noble metals. The normal-sized precious metal beads that are produced are transferred to test tubes and dissolved with aqua-regia. This solution is analyzed using Atomic Absorption by comparing the absorbance of these solutions with that of standard solutions. In the case of high grade samples, the precious metal bead is parted to separate the silver and the remaining gold is weighed.
Comments:	As part of the routine quality control we run a duplicate analysis for about 12% of the samples. Also, all samples which are over 0.20 opt on the original fusion are run again to verify the results. If a sample gives erratic results, such as 0.10, 0.020, 0.30, we will indicate this on the report. We suggest

that a new split should be taken from the reject for preparation and analysis by our metallics sieve procedure. These assay results will always be signed by the registered assayer.

Contamination Prevention:

The test tubes and cupels are used only once so that there is no possibility of cross contamination. The fusion crucibles are cleared before re-use by discarding any which had high samples in them. During the analysis a blank solution is run between each sample to ensure that there is no carry over.

Determination of Arsenic by Borohydride Generation:

Samples of 0.5 grams in weight are digested in borosilicate glass test tubes, with concentrated nitric and hydrochloric acids. These tubes are heated in a 90 degree Celsius water bath for two and one-half hours. The sample is then diluted with 14% HCl and mixed. A 0.5 ml aliquot is taken from this solution and HCl, deionized water, and potassium iodide are added. The resulting mixture is allowed to sit for one hour, after which it is run through a hydride generation system. In this system, the solution is reduced with sodium borohydride, releasing arsenic as arsine gas. The arsine gas is then swept into a quartz furnace mounted on a flame AA unit. The absorbance is recorded and compared to a standard series to determine the amount of arsenic present.

Quality Control:

Standards, repeats, and blanks are run with each batch of samples. These are carefully checked, and reweighs of samples are ordered if necessary. High arsenic results are also checked by running the original solution by flame AA and comparing the results from the two procedures.

APPENDIX II

Soil Geochemistry Results

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BONDAR-CLEGG

Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

DATE PRINTED: 12-OCT-90

REPORT: V90-02223.1

PROJECT: 043

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Mo PPM	Hg PPM
R2 90 P 043 R-4207		<5	<0.2	<1	18	57	67	23	62	1.148
R2 90 P 043 R-4208		<5	<0.2	4	4	9	9	<5	1	0.036
R2 90 P 043 R-4209A		<5	<0.2	<1	16	25	57	11	103	0.893

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Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

DATE PRINTED: 22-AUG-90

REPORT: V90-01676.0

PROJECT: LANCE

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM
S1 90 NB 043 TILL												
S1 L2+00S 0+25E		15	0.7	67	22	330	8	44	26	<1	13	73
S1 L2+00S 0+50E		568	0.8	65	20	372	2	41	25	<1	13	78
S1 L2+00S 0+75E		10	0.6	63	21	164	2	31	23	<1	15	65
S1 L2+00S 1+25E		8	0.7	51	21	102	2	19	17	<1	14	57
S1 L2+00S 1+50E		7	0.6	57	20	102	2	20	18	<1	14	59
S1 L2+00S 2+00E		9	0.6	58	25	133	2	23	25	<1	15	69
S1 L2+00S 3+00E		13	0.8	90	25	101	2	26	26	<1	15	88
S1 L2+00S 3+25E		12	0.8	62	20	101	2	19	21	<1	15	62
S1 L2+00S 3+50E		12	0.5	67	22	102	2	24	21	<1	15	61
S1 L2+00S 3+75E		21	0.7	82	27	106	1	30	25	<1	17	78
S1 L2+00S 4+00E		21	1.0	133	33	115	2	32	31	<1	16	91
S1 L2+00S 4+25E		18	0.9	114	24	113	2	30	28	<1	16	79
S1 L2+00S 4+50E		17	0.8	75	20	84	1	27	20	<1	16	71
S1 L2+00S 4+75E		20	0.7	61	19	86	1	27	19	<1	16	66
S1 L2+00S 5+00E		19	0.8	93	24	98	2	32	24	<1	18	79
S1 L2+00S 5+25E		20	0.9	105	24	99	2	31	25	<1	16	76
S1 L4+00S 3+75W		14	0.8	77	20	101	2	30	22	<1	15	63
S1 L4+00S 0+50W		24	0.6	197	23	469	15	68	28	3	7	78
S1 L4+00S 0+25E		7	0.4	24	19	79	3	11	10	<1	8	55
S1 L4+00S 0+50E		8	0.6	63	20	106	2	23	21	<1	14	53
S1 L4+00S 0+75E		11	0.5	59	17	96	2	20	18	<1	14	49
S1 L4+00S 1+00E		<5	0.7	31	24	112	3	10	38	<1	14	81
S1 L4+00S 1+25E		33	0.4	43	14	86	2	20	15	<1	14	41
S1 L4+00S 1+50E		13	0.6	65	18	84	1	19	19	<1	14	40
S1 L4+00S 2+25E		25	0.7	37	21	113	<1	28	24	<1	16	57
S1 L4+00S 3+00E		12	0.7	73	22	100	1	24	21	<1	15	43
S1 L4+00S 3+25E		12	0.7	66	19	92	2	20	19	<1	15	45
S1 L4+00S 3+50E		12	0.5	59	20	86	1	19	20	<1	13	41
S1 L4+00S 3+75E		14	0.6	58	22	84	1	23	27	<1	14	64
S1 L4+00S 4+00E		19	0.9	102	30	115	2	28	29	<1	17	74
S1 L4+00S 4+25E		17	0.7	79	23	110	2	27	21	<1	15	57
S1 90 CC #43												
S1 L6+00S 3+25W		18	0.5	78	21	95	1	23	20	<1	14	51
S1 L6+00S 3+00W		8	0.7	88	19	103	1	20	21	<1	14	55
S1 L6+00S 2+75W		8	0.5	57	15	86	2	25	21	<1	16	48
S1 L6+00S 2+25W		13	0.5	61	16	96	2	25	19	<1	14	48
S1 L6+00S 2+00W		16	0.6	65	17	108	2	28	20	<1	14	53
S1 L6+00S 1+75W		13	0.7	72	17	94	2	25	19	<1	15	62
S1 L6+00S 1+50W		12	0.7	65	20	133	2	35	20	<1	15	68

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A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

DATE PRINTED: 22-AUG-90

REPORT: V90-01676.0

PROJECT: LANCE

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Fe PCT	Mn PCT	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT
S1 90 NB 043 TILL												
S1 L2+00S 0+25E		15	5.52	0.08	<10	95	<1	48	<20	<10	3	1.23
S1 L2+00S 0+50E		16	5.33	0.08	<10	80	11	79	<20	<10	7	1.53
S1 L2+00S 0+75E		13	4.83	0.07	<10	121	8	73	<20	<10	7	1.58
S1 L2+00S 1+25E		13	4.15	0.07	<10	158	9	62	<20	<10	7	1.68
S1 L2+00S 1+50E		10	4.56	0.07	<10	171	10	77	<20	<10	8	1.82
S1 L2+00S 2+00E		12	5.10	0.07	<10	132	4	55	<20	<10	5	1.81
S1 L2+00S 3+00E		14	5.36	0.09	<10	118	15	107	<20	<10	9	1.87
S1 L2+00S 3+25E		14	5.14	0.09	<10	195	6	79	<20	<10	9	1.83
S1 L2+00S 3+50E		12	4.53	0.08	<10	128	15	74	<20	<10	9	1.51
S1 L2+00S 3+75E		14	4.58	0.09	<10	133	23	90	<20	<10	11	1.61
S1 L2+00S 4+00E		14	5.21	0.11	<10	147	22	107	<20	<10	12	1.88
S1 L2+00S 4+25E		13	5.09	0.10	<10	125	19	107	<20	<10	11	1.90
S1 L2+00S 4+50E		13	4.29	0.08	<10	101	26	108	<20	<10	11	1.91
S1 L2+00S 4+75E		10	4.56	0.08	<10	155	25	107	<20	<10	12	1.83
S1 L2+00S 5+00E		11	4.68	0.09	<10	121	29	118	<20	<10	11	1.89
S1 L2+00S 5+25E		13	5.09	0.10	<10	126	22	109	<20	<10	14	1.75
S1 L4+00S 3+75W		11	4.69	0.09	<10	146	17	107	<20	<10	13	1.94
S1 L4+00S 0+50W		15	6.90	0.09	<10	120	<1	27	<20	<10	7	1.67
S1 L4+00S 0+25E		14	5.14	0.04	<10	176	<1	20	<20	<10	1	1.04
S1 L4+00S 0+50E		11	4.41	0.07	<10	114	5	62	<20	<10	8	1.54
S1 L4+00S 0+75E		11	4.05	0.06	<10	128	8	63	<20	<10	10	1.56
S1 L4+00S 1+00E		17	7.32	0.08	<10	131	<1	62	<20	<10	13	1.62
S1 L4+00S 1+25E		10	3.81	0.05	<10	127	7	59	<20	<10	8	1.41
S1 L4+00S 1+50E		9	3.67	0.06	<10	132	11	72	<20	<10	11	1.55
S1 L4+00S 2+25E		10	4.82	0.07	<10	118	11	92	<20	<10	15	2.01
S1 L4+00S 3+00E		8	4.47	0.07	<10	143	20	105	<20	<10	13	2.03
S1 L4+00S 3+25E		10	4.28	0.07	<10	240	12	79	<20	<10	13	1.80
S1 L4+00S 3+50E		9	4.11	0.07	<10	164	10	69	<20	<10	11	1.54
S1 L4+00S 3+75E		13	4.73	0.08	<10	237	5	61	<20	<10	10	1.21
S1 L4+00S 4+00E		13	5.17	0.10	<10	187	15	94	<20	<10	14	1.90
S1 L4+00S 4+25E		13	4.39	0.09	<10	253	20	97	<20	<10	16	1.87
S1 90 [illegible] 043												
S1 L6+00S 3+25W		11	4.65	0.08	<10	128	13	112	<20	<10	15	1.91
S1 L6+00S 3+00W		11	4.94	0.08	<10	152	11	120	<20	<10	17	2.15
S1 L6+00S 2+75W		9	4.55	0.06	<10	90	10	104	<20	<10	14	1.92
S1 L6+00S 2+25W		10	4.49	0.08	<10	134	13	92	<20	<10	14	1.70
S1 L6+00S 2+00W		10	4.53	0.08	<10	137	15	93	<20	<10	14	1.79
S1 L6+00S 1+75W		11	4.23	0.08	<10	127	14	95	<20	<10	11	1.79
S1 L6+00S 1+50W		13	4.43	0.07	<10	140	10	55	<20	<10	9	1.63

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Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

DATE PRINTED: 22-AUG-90

REPORT: V90-01676.0

PROJECT: LANCE

SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM
S1 90 NB 043 TILL							
S1 L2+00S 0+25E		0.74	1.58	<0.05	0.11	90	9
S1 L2+00S 0+50E		1.29	0.97	0.07	0.14	79	8
S1 L2+00S 0+75E		1.23	1.35	0.07	0.17	93	8
S1 L2+00S 1+25E		1.11	2.79	<0.05	0.18	120	8
S1 L2+00S 1+50E		1.32	0.93	0.06	0.16	70	9
S1 L2+00S 2+00E		1.20	0.53	<0.05	0.14	57	8
S1 L2+00S 3+00E		1.70	1.53	0.06	0.16	86	10
S1 L2+00S 3+25E		1.25	2.31	<0.05	0.17	103	9
S1 L2+00S 3+50E		1.34	1.03	<0.05	0.12	84	10
S1 L2+00S 3+75E		1.54	0.84	<0.05	0.12	81	10
S1 L2+00S 4+00E		1.89	1.53	0.09	0.15	92	10
S1 L2+00S 4+25E		1.94	1.13	0.09	0.13	80	9
S1 L2+00S 4+50E		1.88	2.38	0.05	0.11	120	9
S1 L2+00S 4+75E		2.01	0.79	0.07	0.10	81	9
S1 L2+00S 5+00E		2.03	1.41	0.06	0.12	95	9
S1 L2+00S 5+25E		1.81	0.89	0.11	0.12	85	10
S1 L4+00S 3+75W		1.55	0.97	0.13	0.31	80	9
S1 L4+00S 0+50W		0.19	0.43	<0.05	0.08	57	24
S1 L4+00S 0+25E		0.34	0.13	<0.05	0.13	38	5
S1 L4+00S 0+50E		1.00	1.01	0.08	0.16	89	7
S1 L4+00S 0+75E		0.98	0.81	0.07	0.16	75	7
S1 L4+00S 1+00E		0.77	1.23	<0.05	0.21	189	11
S1 L4+00S 1+25E		1.01	1.05	0.06	0.12	89	7
S1 L4+00S 1+50E		1.14	1.86	0.06	0.20	106	8
S1 L4+00S 2+25E		1.45	1.30	0.12	0.26	84	7
S1 L4+00S 3+00E		1.67	2.69	<0.05	0.16	126	8
S1 L4+00S 3+25E		1.28	2.34	<0.05	0.14	125	9
S1 L4+00S 3+50E		1.23	0.78	<0.05	0.12	83	8
S1 L4+00S 3+75E		0.94	0.67	<0.05	0.12	69	9
S1 L4+00S 4+00E		1.67	1.28	0.05	0.15	96	10
S1 L4+00S 4+25E		1.69	1.69	<0.05	0.13	124	9
S1 90 CC 443							
S1 L6+00S 3+25W		1.48	0.98	0.12	0.24	85	9
S1 L6+00S 3+00W		1.55	1.12	0.16	0.38	92	8
S1 L6+00S 2+75W		1.76	1.13	0.20	0.21	97	8
S1 L6+00S 2+25W		1.35	0.92	0.10	0.19	78	9
S1 L6+00S 2+00W		1.45	0.92	0.09	0.22	78	8
S1 L6+00S 1+75W		1.36	0.87	0.11	0.23	74	8
S1 L6+00S 1+50W		1.01	1.56	0.07	0.23	98	7

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SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM
S1 L6+00S 1+25W		11	0.8	67	20	285	1	46	19	<1	16	64
S1 L6+00S 1+00W		9	0.7	56	19	737	1	41	17	<1	15	58
S1 L6+00S 0+75W		10	0.7	65	18	114	2	33	20	<1	15	66
S1 L6+00S 0+50W		57	0.6	53	17	139	1	29	16	<1	15	55
S1 L6+00S 0+25W		12	0.8	88	24	137	3	39	27	<1	13	73
S1 90 NB 43 TILL												
S1 L6+00S 0+25E		9	0.7	51	18	95	1	23	18	<1	14	49
S1 L6+00S 0+50E		13	0.6	51	16	97	1	25	18	<1	13	54
S1 L6+00S 0+75E		20	0.7	67	21	110	2	23	20	<1	14	65
S1 L6+00S 1+00E		8	0.7	70	25	101	2	22	31	<1	15	63
S1 L6+00S 1+25E		13	0.5	38	15	74	1	16	15	<1	13	49
S1 L6+00S 1+50E		11	0.6	47	18	138	2	21	18	<1	13	54
S1 L6+00S 1+75E		14	0.7	61	18	173	<1	18	16	<1	15	51
S1 L6+00S 2+25E		10	0.7	51	20	96	1	19	18	<1	13	54
S1 L6+00S 2+50E		17	0.8	61	20	91	1	19	20	<1	14	55
S1 90 ST 043-T												
S1 6+00S 3+00E		24	0.6	88	21	89	<1	26	21	<1	18	74
S1 6+00S 3+25E		23	0.7	108	22	94	1	28	24	<1	17	63
S1 6+00S 3+50E		22	0.7	73	19	82	<1	24	19	<1	14	65
S1 6+00S 3+75E		24	0.7	87	27	93	<1	25	21	<1	22	125
S1 6+00S 4+00E		23	0.8	84	27	93	<1	30	21	<1	23	129
S1 6+00S 4+25E		15	0.7	83	26	116	<1	35	21	<1	24	127
S1 6+00S 4+75E		30	0.9	115	34	124	<1	46	28	<1	27	140
S1 6+00S 5+00E		13	0.8	123	29	104	<1	26	25	<1	24	129
S1 90 NB 43 TILL												
S1 L8+00S 4+75W		50	0.5	56	23	84	1	29	18	<1	20	110
S1 L8+00S 3+00W		15	0.6	61	22	92	<1	27	17	<1	20	107
S1 L8+00S 2+50W		16	0.6	56	23	87	<1	25	18	<1	20	112
S1 L8+00S 2+00W		10	0.7	71	26	97	<1	28	21	<1	21	124
S1 L8+00S 1+50W		11	0.5	59	23	85	<1	27	17	<1	19	103
S1 L8+00S 1+25W		11	0.7	54	26	128	<1	33	21	<1	22	121
S1 L8+00S 1+00W		11	0.6	56	28	119	1	35	19	<1	21	109
S1 L8+00S 0+50W		34	0.6	64	29	201	1	35	25	<1	23	126
S1 L8+00S 0+25W		20	0.5	57	22	103	<1	32	18	<1	20	104
S1 90 CC 443												
S1 L8+00S 0+25E		10	0.7	61	33	116	1	24	26	<1	21	120
S1 L8+00S 0+50E		9	0.6	54	31	91	<1	22	29	<1	18	102
S1 L8+00S 0+75E		11	0.7	64	27	113	<1	22	25	<1	20	123
S1 L8+00S 1+00E		8	0.7	52	27	116	<1	25	22	<1	22	141
S1 L8+00S 1+25E		10	0.8	55	28	114	<1	21	18	<1	22	148

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S1 L6+00S 1+25W		14	3.80	0.08	10	218	21	67	<20	<10	10	1.76
S1 L6+00S 1+00W		11	3.66	0.07	<10	151	17	64	<20	<10	9	1.62
S1 L6+00S 0+75W		12	4.38	0.07	<10	105	13	77	<20	<10	11	1.59
S1 L6+00S 0+50W		10	3.87	0.07	<10	117	18	86	<20	<10	11	1.63
S1 L6+00S 0+25W		13	5.37	0.09	<10	119	4	64	<20	<10	12	1.68
S1 90 NB 43 TILL												
S1 L6+00S 0+25E		12	3.92	0.06	<10	138	9	67	<20	<10	10	1.58
S1 L6+00S 0+50E		10	4.12	0.06	<10	112	10	69	<20	<10	10	1.51
S1 L5+00S 0+75E		12	4.62	0.06	<10	124	8	80	<20	<10	11	1.75
S1 L6+00S 1+00E		11	5.01	0.07	<10	198	4	78	<20	<10	9	1.88
S1 L6+00S 1+25E		10	3.77	0.05	<10	168	4	49	<20	<10	8	1.40
S1 L6+00S 1+50E		12	4.79	0.05	<10	172	1	40	<20	<10	9	1.86
S1 L5+00S 1+75E		9	4.36	0.07	<10	169	8	68	<20	<10	12	1.95
S1 L6+00S 2+25E		11	4.15	0.07	<10	215	7	57	<20	<10	14	1.63
S1 L6+00S 2+50E		11	3.94	0.07	<10	215	10	66	<20	<10	14	1.61
S1 90 ST 043-T												
S1 6+00S 3+00E		13	4.30	0.07	<10	99	24	108	<20	<10	15	1.77
S1 6+00S 3+25E		12	4.60	0.11	<10	141	20	118	<20	<10	18	1.98
S1 6+00S 3+50E		8	3.89	0.08	<10	194	19	92	<20	<10	17	1.78
S1 6+00S 3+75E		19	3.77	0.08	11	155	22	102	<20	<10	10	1.85
S1 6+00S 4+00E		20	3.81	0.07	12	87	28	108	<20	<10	8	1.76
S1 6+00S 4+25E		20	4.04	0.07	10	78	43	123	<20	<10	9	1.88
S1 6+00S 4+75E		24	4.57	0.10	12	111	50	136	<20	<10	10	1.99
S1 6+00S 5+00E		24	4.18	0.08	12	85	21	117	<20	<10	8	1.86
S1 90 NB 43 TILL												
S1 L8+00S 4+75W		19	3.68	0.08	10	109	23	93	<20	<10	7	1.64
S1 L8+00S 3+00W		19	3.59	0.07	<10	131	20	95	<20	<10	7	1.70
S1 L8+00S 2+50W		20	3.63	0.07	10	104	18	93	<20	<10	7	1.58
S1 L8+00S 2+00W		22	4.03	0.08	11	139	22	106	<20	<10	8	1.77
S1 L8+00S 1+50W		21	3.46	0.07	<10	108	20	90	<20	<10	8	1.55
S1 L8+00S 1+25W		22	4.18	0.08	11	128	13	74	<20	<10	6	1.61
S1 L8+00S 1+00W		21	3.70	0.07	12	134	13	59	<20	<10	5	1.49
S1 L8+00S 0+50W		[illegible]	[illegible]	0.09	12	291	9	81	<20	<10	6	1.86
S1 L8+00S 0+25W		20	3.53	0.07	<10	107	16	69	<20	<10	6	1.39
S1 90 [illegible] 43												
S1 L8+00S 0+25E		23	4.32	0.06	11	101	5	61	<20	<10	3	1.35
S1 L8+00S 0+50E		22	3.72	0.05	<10	174	4	46	<20	<10	1	1.39
S1 L8+00S 0+75E		22	4.11	0.05	11	151	7	61	<20	<10	2	1.68
S1 L8+00S 1+00E		23	4.13	0.05	12	145	11	70	<20	<10	3	1.86
S1 L8+00S 1+25E		25	4.22	0.06	13	147	6	60	<20	<10	4	1.81

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SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM
S1 L6+00S 1+25W		1.18	3.16	<0.05	0.20	142	7
S1 L6+00S 1+00W		1.11	3.53	<0.05	0.18	134	7
S1 L6+00S 0+75W		1.20	0.87	0.08	0.17	76	8
S1 L6+00S 0+50W		1.30	1.02	0.06	0.16	76	8
S1 L6+00S 0+25W		1.03	0.68	0.06	0.18	100	9
S1 90 NS 43 TILL							
S1 L6+00S 0+25E		1.06	1.40	0.09	0.16	103	7
S1 L6+00S 0+50E		1.16	0.75	0.07	0.13	79	8
S1 L6+00S 0+75E		1.35	1.01	0.16	0.20	130	8
S1 L6+00S 1+00E		1.26	0.86	0.11	0.22	86	8
S1 L6+00S 1+25E		0.95	1.59	0.07	0.11	118	7
S1 L6+00S 1+50E		0.97	0.36	<0.05	0.16	62	6
S1 L6+00S 1+75E		1.11	1.78	<0.05	0.24	99	8
S1 L6+00S 2+25E		0.91	1.71	<0.05	0.20	97	9
S1 L6+00S 2+50E		1.08	2.29	<0.05	0.19	112	8
S1 90 ST 043-T							
S1 6+00S 3+00E		1.63	2.09	0.05	0.15	109	8
S1 6+00S 3+25E		1.68	0.99	0.08	0.22	72	9
S1 6+00S 3+50E		1.42	1.21	<0.05	0.14	86	8
S1 6+00S 3+75E		1.56	1.33	0.06	0.14	80	9
S1 6+00S 4+00E		1.85	1.88	0.07	0.13	100	8
S1 6+00S 4+25E		2.18	1.36	0.06	0.11	93	8
S1 6+00S 4+75E		2.37	1.12	<0.05	0.11	86	10
S1 6+00S 5+00E		1.91	2.04	<0.05	0.13	105	9
S1 90 NB 43 TILL							
S1 L8+00S 4+75W		1.55	0.91	0.08	0.18	71	8
S1 L8+00S 3+00W		1.53	1.24	0.06	0.23	80	8
S1 L8+00S 2+50W		1.52	1.06	0.11	0.20	80	8
S1 L8+00S 2+00W		1.53	0.99	0.12	0.23	77	9
S1 L8+00S 1+50W		1.40	0.82	0.07	0.18	65	8
S1 L8+00S 1+25W		1.43	0.91	0.13	0.18	83	8
S1 L8+00S 1+00W		1.06	1.96	<0.05	0.17	106	8
S1 L8+00S 0+50W		1.34	0.90	0.24	0.20	85	9
S1 L8+00S 0+25W		1.19	0.78	0.07	0.14	71	8
S1 90 SS 043							
S1 L8+00S 0+25E		1.03	1.02	0.05	0.15	90	7
S1 L8+00S 0+50E		0.83	0.62	<0.05	0.14	74	7
S1 L8+00S 0+75E		1.11	0.65	<0.05	0.16	72	8
S1 L8+00S 1+00E		1.32	0.72	0.06	0.17	71	8
S1 L8+00S 1+25E		1.09	0.39	<0.05	0.21	78	8

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S1 L8+00S 1+50E	9	0.8	45	30	97	<1	16	17	<1	20	140
S1 L8+00S 1+75E	43	1.0	94	41	91	<1	28	20	<1	29	219
S1 L8+00S 2+00E	88	1.0	80	40	82	<1	25	19	<1	30	255
S1 90 ST 043-T											
S1 8+00S 3+00E	18	0.8	76	36	84	<1	23	19	<1	29	222
S1 8+00S 3+25E	42	1.0	111	50	99	<1	27	26	<1	32	265
S1 8+00S 3+50E	9	0.5	71	35	68	<1	20	18	<1	34	240
S1 8+00S 3+75E	13	0.7	70	37	77	<1	25	18	<1	32	243
S1 8+00S 4+00E	11	0.8	55	33	65	<1	21	14	<1	29	215
S1 8+00S 4+25E	34	0.9	59	30	98	1	42	21	<1	19	94
S1 8+00S 4+50E	28	0.8	79	38	116	1	44	27	<1	20	116
S1 8+00S 4+75E	19	0.8	77	23	81	1	25	19	<1	18	102
S1 8+00S 5+00E	24	0.8	80	29	92	<1	33	21	<1	19	102
S1 8+00S 5+25E	15	0.7	69	28	90	<1	46	19	<1	20	92
S1 8+00S 5+50E	209	0.8	56	25	86	<1	28	17	<1	19	91
S1 8+00S 5+75E	18	0.8	100	26	100	<1	28	21	<1	20	106
S1 8+00S 6+00E	22	0.9	114	33	124	1	37	26	<1	20	123
S1 8+00S 6+25E	22	0.9	117	32	119	2	34	27	<1	18	132
S1 8+00S 6+50E	26	0.8	72	24	95	2	29	22	<1	18	65
S1 10+00S 1+25W	6	0.8	50	22	110	2	24	18	<1	16	59
S1 10+00S 1+00W	<5	0.7	38	21	105	2	19	14	<1	15	42
S1 10+00S 0+75W	6	0.7	106	26	143	3	36	26	<1	16	64
S1 10+00S 0+50W	32	0.9	50	18	114	2	36	20	<1	15	48
S1 10+00S 0+25W	8	0.8	28	19	75	6	13	12	<1	13	41
S1 90 CC #43											
S1 L10+00S 0+25E	11	0.8	58	22	95	2	20	23	<1	17	37
S1 L10+00S 0+50E	<5	0.7	42	13	92	2	21	16	<1	14	31
S1 L10+00S 0+75E	6	0.7	54	19	95	2	25	19	<1	14	38
S1 L10+00S 1+00E	10	0.7	62	21	81	2	19	19	<1	15	31
S1 L10+00S 1+25E	7	0.7	60	16	104	2	23	19	<1	15	44
S1 90 ST 043-T											
S1 10+00S 2+50E	15	0.8	57	17	79	1	22	19	<1	14	51
S1 10+00S 2+75E	110	1.6	128	44	121	3	30	27	<1	16	153
S1 90 CC #43											
S1 L10+00S 2+75E	27	1.0	102	24	94	2	30	22	<1	16	94
S1 L10+00S 3+00E	9	0.7	58	14	70	2	17	16	1	15	40
S1 L10+00S 3+25E	10	0.8	74	18	92	2	24	20	<1	15	53
S1 90 ST 043-T											
S1 10+00S 3+50E	15	0.9	68	16	87	1	27	19	<1	16	56
S1 10+00S 3+75E	23	0.7	74	18	87	<1	25	17	<1	18	90

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SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Fe PCT	Mn PCT	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT
S1 L8+00S 1+50E		26	3.71	0.05	13	197	5	49	<20	<10	3	1.68
S1 L8+00S 1+75E		33	2.96	0.07	17	114	26	89	<20	<10	<1	1.54
S1 L8+00S 2+00E		35	3.16	0.06	17	89	24	95	<20	<10	<1	1.41
S1 90 ST 043-T												
S1 8+00S 3+00E		36	2.78	0.06	19	118	24	87	<20	<10	<1	1.66
S1 8+00S 3+25E		38	3.34	0.07	20	115	20	95	<20	<10	<1	1.62
S1 8+00S 3+50E		40	3.01	0.07	23	115	23	107	<20	<10	<1	1.56
S1 8+00S 3+75E		40	2.85	0.07	21	82	29	96	<20	<10	<1	1.57
S1 8+00S 4+00E		36	2.40	0.06	21	59	26	82	<20	<10	<1	1.40
S1 8+00S 4+25E		14	3.97	0.06	<10	67	40	115	<20	<10	11	2.03
S1 8+00S 4+50E		14	4.57	0.10	11	75	30	113	<20	<10	11	2.14
S1 8+00S 4+75E		14	3.98	0.07	<10	97	26	110	<20	<10	9	1.79
S1 8+00S 5+00E		17	3.98	0.08	11	85	38	114	<20	<10	10	1.81
S1 8+00S 5+25E		18	3.74	0.08	13	71	59	120	<20	<10	11	1.97
S1 8+00S 5+50E		12	3.66	0.07	<10	73	32	103	<20	<10	8	1.77
S1 8+00S 5+75E		17	4.23	0.08	11	104	26	113	<20	<10	8	1.94
S1 8+00S 6+00E		17	4.75	0.08	13	119	30	119	<20	<10	7	2.21
S1 8+00S 6+25E		16	4.93	0.11	12	124	28	123	<20	<10	8	2.18
S1 8+00S 6+50E		13	3.90	0.06	12	75	26	107	<20	<10	8	2.08
S1 10+00S 1+25W		16	4.37	0.06	12	171	8	70	<20	<10	7	1.56
S1 10+00S 1+00W		16	3.64	0.05	11	88	4	50	<20	<10	7	1.39
S1 10+00S 0+75W		14	5.41	0.09	13	172	20	116	<20	<10	13	2.40
S1 10+00S 0+50W		14	4.20	0.07	11	135	14	75	<20	<10	9	1.66
S1 10+00S 0+25W		13	3.95	0.11	<10	514	<1	29	<20	<10	24	1.35
S1 90 CC #43												
S1 L10+00S 0+25E		16	4.44	0.07	10	158	4	69	<20	<10	7	1.70
S1 L10+00S 0+50E		13	3.90	0.05	<10	98	8	60	<20	<10	8	1.46
S1 L10+00S 0+75E		15	4.33	0.06	<10	111	10	74	<20	<10	9	1.53
S1 L10+00S 1+00E		13	3.68	0.06	11	136	12	89	<20	<10	12	1.69
S1 L10+00S 1+25E		13	4.41	0.06	<10	179	9	68	<20	<10	16	2.04
S1 90 ST 043-T												
S1 10+00S 2+50E		14	4.25	0.07	<10	162	19	93	<20	<10	18	1.90
S1 10+00S 2+75E		27	6.22	0.07	10	90	14	95	<20	<10	26	1.69
S1 90 CC #43												
S1 L10+00S 2+75E		17	4.34	0.08	<10	109	27	107	<20	<10	22	1.89
S1 L10+00S 3+00E		13	4.00	0.06	<10	126	13	68	<20	<10	17	1.79
S1 L10+00S 3+25E		14	4.49	0.07	11	161	23	101	<20	<10	23	2.17
S1 90 ST 043-T												
S1 10+00S 3+50E		13	4.34	0.07	<10	116	22	97	<20	<10	24	1.94
S1 10+00S 3+75E		16	3.52	0.06	10	55	29	91	<20	<10	8	1.58

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SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM
S1 L8+00S 1+50E		0.91	1.38	<0.05	0.23	100	8
S1 L8+00S 1+75E		1.30	1.84	0.07	0.21	104	7
S1 L8+00S 2+00E		1.18	1.94	0.07	0.19	107	7
S1 90 ST 043-T							
S1 8+00S 3+00E		1.42	2.70	<0.05	0.18	121	7
S1 8+00S 3+25E		1.42	1.69	0.07	0.20	90	8
S1 8+00S 3+50E		1.56	3.08	<0.05	0.15	117	8
S1 8+00S 3+75E		1.67	1.74	0.05	0.14	97	8
S1 8+00S 4+00E		1.42	2.66	<0.05	0.12	122	7
S1 8+00S 4+25E		2.20	1.37	0.06	0.10	100	9
S1 8+00S 4+50E		2.36	1.15	0.11	0.12	86	10
S1 8+00S 4+75E		1.78	1.46	0.05	0.14	90	8
S1 8+00S 5+00E		1.87	2.58	<0.05	0.12	126	9
S1 8+00S 5+25E		2.09	4.29	<0.05	0.10	197	9
S1 8+00S 5+50E		1.88	1.18	0.09	0.11	92	8
S1 8+00S 5+75E		1.83	2.09	0.07	0.17	104	8
S1 8+00S 6+00E		2.01	1.95	0.10	0.21	107	9
S1 8+00S 6+25E		2.14	1.16	0.10	0.20	86	10
S1 8+00S 6+50E		2.18	1.38	0.16	0.17	97	9
S1 10+00S 1+25W		1.14	2.03	0.08	0.19	115	8
S1 10+00S 1+00W		0.91	3.70	0.06	0.14	118	7
S1 10+00S 0+75W		1.66	1.34	0.27	0.40	109	9
S1 10+00S 0+50W		1.42	1.49	0.11	0.15	103	8
S1 10+00S 0+25W		0.71	0.65	<0.05	0.27	67	13
S1 90 CC #43							
S1 L10+00S 0+25E		1.05	1.00	0.08	0.20	93	7
S1 L10+00S 0+50E		1.13	1.59	0.06	0.15	109	6
S1 L10+00S 0+75E		1.29	1.55	0.08	0.17	99	7
S1 L10+00S 1+00E		1.33	2.31	0.07	0.23	125	8
S1 L10+00S 1+25E		1.16	0.95	0.06	0.26	86	7
S1 90 ST 043-T							
S1 10+00S 2+50E		1.37	1.42	0.06	0.13	87	8
S1 10+00S 2+75E		1.40	1.63	0.07	0.21	132	8
S1 90 CC #43							
S1 L10+00S 2+25E		1.61	1.54	0.07	0.19	90	8
S1 L10+00S 3+00E		1.17	2.52	<0.05	0.18	144	7
S1 L10+00S 3+25E		1.51	2.51	0.07	0.23	125	8
S1 90 ST 043-T							
S1 10+00S 3+50E		1.64	0.97	0.13	0.15	96	8
S1 10+00S 3+75E		1.49	1.10	<0.05	0.12	81	7

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S1 10+00S 4+00E		19	0.8	85	21	95	<1	27	18	<1	20	89
S1 10+00S 4+25E		19	1.0	92	22	98	<1	26	20	<1	19	119
S1 10+00S 4+50E		13	0.9	93	21	95	<1	22	18	<1	18	97
S1 10+00S 4+75E		19	1.0	94	25	117	1	27	21	<1	21	108
S1 10+00S 5+00E		15	0.9	97	22	96	1	24	20	<1	20	101
S1 10+00S 5+25E		26	0.8	72	25	80	<1	29	16	<1	20	83
S1 10+00S 5+75E		22	1.0	104	29	111	2	34	24	<1	18	116
S1 10+00S 6+00E		104	0.8	65	24	92	1	33	20	<1	19	96
S1 10+00S 6+25E		23	0.9	96	27	137	<1	33	20	<1	19	97
S1 10+00S 6+50E		10	0.8	86	21	77	1	27	19	<1	20	95
S1 10+00S 6+75E		23	0.9	117	27	106	1	30	23	<1	19	116
S1 10+00S 7+00E		14	0.9	90	22	92	<1	27	20	<1	19	102
S1 10+00S 7+25E		8	0.8	90	22	89	<1	26	19	<1	20	97
S1 90 CC 043												
S1 L12+00S 3+75W		7	0.7	84	17	89	1	21	16	<1	17	74
S1 L12+00S 3+50W		<5	0.7	46	18	119	1	23	25	<1	21	95
S1 L12+00S 3+00W		<5	0.7	63	15	93	2	24	17	<1	18	82
S1 L12+00S 2+75W		<5	0.7	84	20	106	1	22	20	<1	19	88
S1 L12+00S 2+50W		<5	0.6	58	16	82	<1	22	17	<1	19	74
S1 L12+00S 2+00W		<5	0.7	66	18	84	1	23	18	<1	22	109
S1 L12+00S 1+75W		6	0.8	64	18	84	1	29	17	<1	20	102
S1 L12+00S 1+50W		13	1.0	68	23	94	<1	32	17	<1	20	103
S1 L12+00S 1+25W		128	1.0	70	22	95	<1	33	18	<1	21	96
S1 L12+00S 1+00W		11	1.0	73	22	95	<1	30	19	<1	20	102
S1 L12+00S 0+75W		17	0.9	62	19	86	<1	30	15	<1	19	94
S1 L12+00S 0+50W		20	0.8	50	16	64	<1	26	14	<1	19	91
S1 L12+00S 0+25W		<5	1.1	25	22	35	<1	11	18	<1	16	74
S1 90 ST 043-T												
S1 12+00S 0+25E		<5	0.7	59	20	91	<1	19	22	<1	18	93
S1 12+00S 0+50E		8	0.8	55	21	77	<1	15	17	<1	17	95
S1 12+00S 0+75E		7	0.8	53	21	75	<1	16	18	<1	18	96
S1 12+00S 1+00E		7	0.9	55	21	83	<1	15	17	<1	19	93
S1 12+00S 1+25E		11	0.8	58	22	92	<1	16	18	<1	19	96
S1 12+00S 1+50E		8	0.8	53	23	80	<1	16	18	<1	19	95
S1 12+00S 1+75E		16	0.7	60	22	91	<1	20	18	<1	19	96
S1 4+00E 3+25N		13	0.6	62	25	164	3	136	29	<1	23	119
S1 4+00E 3+00N		10	0.7	61	24	173	2	132	32	<1	24	123
S1 4+00E 2+50N		8	0.7	40	27	160	2	111	29	<1	24	142
S1 4+00E 2+25N		22	0.7	41	28	157	1	104	33	<1	23	143
S1 4+00E 2+00N		9	0.7	44	27	154	1	92	37	<1	23	141

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S1 10+00S 4+00E		17	3.63	0.07	<10	79	26	94	<20	<10	9	1.74
S1 10+00S 4+25E		19	4.00	0.08	<10	108	21	95	<20	<10	10	1.85
S1 10+00S 4+50E		19	3.77	0.07	11	86	16	83	<20	<10	10	1.65
S1 10+00S 4+75E		19	4.14	0.08	11	104	18	87	<20	<10	12	1.87
S1 10+00S 5+00E		20	4.07	0.07	10	89	20	98	<20	<10	11	1.80
S1 10+00S 5+25E		19	3.35	0.06	12	86	34	93	<20	<10	12	1.68
S1 10+00S 5+75E		20	4.73	0.10	<10	99	26	104	<20	<10	14	1.87
S1 10+00S 6+00E		17	4.07	0.07	<10	77	34	98	<20	<10	14	1.81
S1 10+00S 6+25E		21	4.07	0.08	12	125	29	92	<20	<10	14	1.83
S1 10+00S 6+50E		21	3.99	0.06	<10	90	32	105	<20	<10	12	1.75
S1 10+00S 6+75E		21	4.33	0.07	<10	112	25	97	<20	<10	14	1.75
S1 10+00S 7+00E		19	4.40	0.07	<10	110	25	105	<20	<10	14	1.85
S1 10+00S 7+25E		18	3.98	0.07	12	117	26	103	<20	<10	14	1.87
S1 90 CC #43												
S1 L12+00S 3+75W		16	4.02	0.07	<10	121	16	110	<20	<10	15	2.07
S1 L12+00S 3+50W		18	5.19	0.09	10	120	8	99	<20	<10	18	2.41
S1 L12+00S 3+00W		16	4.20	0.07	<10	119	17	93	<20	<10	13	1.80
S1 L12+00S 2+75W		18	4.47	0.08	<10	162	13	106	<20	<10	15	1.95
S1 L12+00S 2+50W		16	3.87	0.06	<10	105	16	93	<20	<10	13	1.80
S1 L12+00S 2+00W		21	3.79	0.06	<10	92	22	95	<20	<10	8	1.61
S1 L12+00S 1+75W		21	3.57	0.07	<10	113	24	92	<20	<10	8	1.68
S1 L12+00S 1+50W		22	3.45	0.07	13	130	24	83	<20	<10	8	1.69
S1 L12+00S 1+25W		23	3.59	0.07	12	122	28	89	<20	<10	7	1.74
S1 L12+00S 1+00W		21	3.69	0.08	11	140	22	90	<20	<10	8	1.72
S1 L12+00S 0+75W		18	3.15	0.06	<10	110	19	72	<20	<10	8	1.48
S1 L12+00S 0+50W		17	3.18	0.06	<10	97	21	52	<20	<10	7	1.50
S1 L12+00S 0+25W		19	2.93	0.03	10	105	<1	16	<20	<10	<1	1.08
S1 90 ST 043-T												
S1 12+00S 0+25E		20	3.35	0.06	10	215	7	58	<20	<10	6	1.40
S1 12+00S 0+50E		20	3.43	0.05	<10	189	8	58	<20	<10	6	1.40
S1 12+00S 0+75E		21	3.50	0.06	11	169	8	60	<20	<10	7	1.56
S1 12+00S 1+00E		24	3.62	0.06	11	212	5	50	<20	<10	7	1.58
S1 12+00S 1+25E		23	3.51	0.06	11	168	8	62	<20	<10	7	1.64
S1 12+00S 1+50E		22	3.49	0.06	10	193	9	53	<20	<10	7	1.62
S1 12+00S 1+75E		23	3.65	0.06	11	158	9	60	<20	<10	6	1.62
S1 4+00E 3+25N		22	4.40	0.06	11	122	67	42	<20	<10	13	1.98
S1 4+00E 3+00N		23	4.45	0.07	13	111	79	46	<20	<10	15	2.28
S1 4+00E 2+50N		27	4.05	0.07	13	91	64	40	<20	<10	7	1.89
S1 4+00E 2+25N		27	3.75	0.08	14	110	61	39	<20	<10	8	1.78
S1 4+00E 2+00N		25	3.80	0.09	12	117	56	41	<20	<10	8	1.68

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S1 10+00S 4+00E		1.47	1.92	0.06	0.12	101	8
S1 10+00S 4+25E		1.49	1.70	0.06	0.17	93	8
S1 10+00S 4+50E		1.39	2.00	<0.05	0.13	109	8
S1 10+00S 4+75E		1.53	1.74	0.08	0.16	103	9
S1 10+00S 5+00E		1.50	1.76	0.05	0.14	98	8
S1 10+00S 5+25E		1.50	3.25	<0.05	0.12	167	7
S1 10+00S 5+75E		1.65	0.81	0.06	0.15	70	10
S1 10+00S 6+00E		1.75	0.83	0.13	0.12	84	8
S1 10+00S 6+25E		1.51	2.63	<0.05	0.17	126	8
S1 10+00S 6+50E		1.69	1.68	0.05	0.13	95	7
S1 10+00S 6+75E		1.47	1.83	0.06	0.13	101	8
S1 10+00S 7+00E		1.66	1.06	0.09	0.13	84	8
S1 10+00S 7+25E		1.58	2.61	0.05	0.15	124	8
S1 90 CC 443							
S1 L12+00S 3+75W		1.37	0.95	0.17	0.29	78	7
S1 L12+00S 3+50W		1.93	1.31	0.51	0.29	131	9
S1 L12+00S 3+00W		1.33	0.87	0.09	0.20	71	8
S1 L12+00S 2+75W		1.42	1.00	0.13	0.33	76	8
S1 L12+00S 2+50W		1.49	1.22	0.20	0.25	98	7
S1 L12+00S 2+00W		1.40	0.94	0.11	0.22	70	7
S1 L12+00S 1+75W		1.44	1.11	0.07	0.19	76	7
S1 L12+00S 1+50W		1.32	2.80	<0.05	0.19	111	7
S1 L12+00S 1+25W		1.52	2.43	<0.05	0.17	112	8
S1 L12+00S 1+00W		1.38	1.63	0.06	0.20	90	8
S1 L12+00S 0+75W		1.09	2.04	0.05	0.17	111	7
S1 L12+00S 0+50W		1.26	1.09	0.06	0.16	76	7
S1 L12+00S 0+25W		0.54	2.65	<0.05	0.10	172	5
S1 90 ST 043-T							
S1 12+00S 0+25E		0.94	2.13	0.06	0.19	130	7
S1 12+00S 0+50E		0.86	1.91	0.06	0.19	134	6
S1 12+00S 0+75E		0.93	1.76	0.07	0.23	111	6
S1 12+00S 1+00E		0.85	1.82	<0.05	0.24	121	6
S1 12+00S 1+25E		0.99	2.10	0.06	0.23	125	7
S1 12+00S 1+50E		0.99	2.03	0.07	0.24	117	7
S1 12+00S 1+75E		1.02	1.23	0.05	0.20	90	7
S1 4+00E 3+25N		1.72	0.31	<0.05	0.11	58	7
S1 4+00E 3+00N		1.90	0.36	<0.05	0.13	66	6
S1 4+00E 3+50N		1.47	0.18	<0.05	0.12	49	3
S1 4+00E 2+25N		1.36	0.20	<0.05	0.14	51	4
S1 4+00E 2+00N		1.15	0.24	<0.05	0.15	54	5

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SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM
S1 4+00E 1+75N		<5	0.8	32	27	143	2	89	28	<1	21	140
S1 4+00E 1+50N		9	0.9	64	26	76	1	46	11	<1	19	156
S1 90 CC #43												
S1 L6+00E 3+25N		12	0.9	79	33	186	2	160	38	<1	23	157
S1 L6+00E 3+00N		12	0.8	73	33	180	2	159	36	<1	23	154
S1 L6+00E 2+75N		126	0.7	62	21	94	3	53	10	<1	14	124
S1 L6+00E 2+50N		26	0.6	61	25	152	3	91	15	<1	17	138
S1 L6+00E 2+25N		8	<0.2	50	17	143	3	85	13	<1	13	112
S1 L6+00E 2+00N		11	0.9	59	30	136	1	103	31	<1	22	160
S1 L6+00E 1+75N		11	1.0	68	32	152	2	107	24	<1	20	153
S1 L6+00E 1+50N		11	2.1	67	33	171	2	121	33	<1	25	168
S1 L6+00E 1+25N		10	0.8	68	34	155	2	121	37	<1	24	171
S1 L6+00E 1+00N		6	0.9	54	32	487	21	104	27	2	28	206
S1 90 ST 043-T												
S1 8+00E 3+00N		6	1.4	45	24	84	3	65	11	<1	22	162
S1 90 ST 043-S												
S1 8+00E 2+75N		9	1.0	62	28	145	2	125	27	<1	27	174
S1 8+00E 2+50N		<5	1.0	37	29	200	3	81	18	<1	27	194
S1 8+00E 2+25N		5	0.8	32	21	82	2	45	7	<1	22	167
S1 8+00E 2+00N		7	1.0	32	22	62	4	44	9	<1	21	148
S1 8+00E 1+75N		6	1.8	34	19	94	3	56	8	<1	19	142
S1 8+00E 1+50N		7	0.9	81	29	353	8	123	40	<1	28	196
S1 8+00E 1+25N		9	0.8	54	33	579	25	95	26	3	28	208
S1 90 ST 043-T												
S1 10+00E 3+50N		8	0.7	43	24	122	2	121	18	<1	25	155
S1 90 ST 043-S												
S1 10+00E 3+25N		<5	0.6	38	25	121	2	109	15	<1	24	156
S1 10+00E 3+00N		22	0.8	65	24	149	3	155	27	<1	25	166
S1 10+00E 2+75N		<5	0.6	47	23	122	3	102	15	<1	25	164
S1 90 ST 043-T												
S1 10+00E 2+50N		<5	1.0	39	21	105	2	97	13	<1	22	156
S1 10+00E 2+25N		<5	0.7	35	20	83	2	64	9	<1	22	149
S1 10+00E 2+00N		<5	0.7	65	24	195	3	153	28	<1	26	166
S1 90 CC #43												
S1 L12+00E 2+50N		<5	0.6	39	29	104	2	94	39	<1	26	167
S1 L12+00E 2+25N		<5	1.1	53	27	155	2	148	39	<1	29	177
S1 L12+00E 2+00N		<5	0.9	43	22	134	3	104	12	<1	24	154
S1 L12+00E 1+75N		<5	2.0	51	25	232	7	74	24	<1	27	175
S1 L12+00E 1+50N		11	2.9	146	31	1559	30	126	42	4	23	249
S1 L12+00E 1+25N		9	2.2	75	36	1395	32	195	25	21	27	228

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PROJECT: LANCE

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Fe PCT	Mn PCT	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT
S1 4+00E 1+75N		27	3.80	0.07	13	148	57	42	<20	<10	7	1.68
S1 4+00E 1+50N		27	5.05	0.03	12	80	75	49	<20	<10	6	1.74
S1 90 CC #43												
S1 L6+00E 3+25N		30	5.21	0.08	11	220	47	42	<20	<10	8	1.11
S1 L6+00E 3+00N		30	5.19	0.09	12	230	48	42	<20	<10	10	1.06
S1 L6+00E 2+75N		22	4.46	0.02	<10	45	49	49	<20	<10	4	0.77
S1 L6+00E 2+50N		25	5.19	0.03	<10	65	41	47	<20	<10	3	0.56
S1 L6+00E 2+25N		19	4.35	0.02	<10	54	30	46	<20	<10	5	0.41
S1 L6+00E 2+00N		29	5.02	0.06	10	67	52	38	<20	<10	4	1.25
S1 L6+00E 1+75N		27	4.94	0.05	<10	80	45	39	<20	<10	5	1.21
S1 L6+00E 1+50N		31	5.56	0.08	12	72	47	43	<20	<10	6	1.12
S1 L6+00E 1+25N		32	5.20	0.08	14	75	59	47	<20	<10	8	1.59
S1 L6+00E 1+00N		39	5.67	0.13	16	135	28	68	<20	<10	7	1.78
S1 90 ST 043-T												
S1 8+00E 3+00N		31	5.00	0.03	11	56	104	59	<20	<10	<1	1.53
S1 90 ST 043-S												
S1 8+00E 2+75N		33	4.57	0.07	16	56	89	47	<20	<10	5	2.40
S1 8+00E 2+50N		35	5.81	0.06	15	51	92	65	<20	<10	<1	1.89
S1 8+00E 2+25N		29	5.57	0.02	11	44	99	77	<20	<10	<1	1.03
S1 8+00E 2+00N		27	5.08	0.03	<10	35	93	71	<20	<10	<1	0.99
S1 8+00E 1+75N		26	4.52	0.03	<10	37	68	96	<20	<10	2	1.07
S1 8+00E 1+50N		37	5.59	0.11	15	58	88	63	<20	<10	4	2.39
S1 8+00E 1+25N		41	6.09	0.14	14	122	16	70	<20	<10	8	1.72
S1 90 ST 043-T												
S1 10+00E 3+50N		32	4.63	0.05	13	54	110	55	<20	<10	3	1.87
S1 90 ST 043-S												
S1 10+00E 3+25N		30	4.45	0.05	15	58	104	57	<20	<10	3	2.04
S1 10+00E 3+00N		32	4.20	0.06	17	66	116	53	<20	<10	5	2.56
S1 10+00E 2+75N		32	4.48	0.05	15	58	98	57	<20	<10	4	2.19
S1 90 ST 043-T												
S1 10+00E 2+50N		29	4.49	0.04	11	80	98	55	<20	<10	<1	1.58
S1 10+00E 2+25N		27	4.67	0.03	11	45	97	59	<20	<10	<1	1.31
S1 10+00E 2+00N		29	4.12	0.07	15	46	112	52	<20	<10	5	2.30
S1 90 CC #43												
S1 L12+00E 2+50N		33	5.05	0.11	14	57	138	60	<20	<10	<1	1.58
S1 L12+00E 2+25N		34	4.65	0.10	18	65	133	57	<20	<10	4	2.37
S1 L12-00E 2+00N		32	4.44	0.03	13	48	101	49	<20	<10	<1	1.66
S1 L12+00E 1+75N		35	4.71	0.09	15	68	56	60	<20	<10	2	1.83
S1 L12+00E 1+50N		46	6.05	0.15	14	86	22	65	<20	<10	<1	2.63
S1 L12+00E 1+25N		45	5.45	0.35	15	212	45	73	<20	<10	3	1.53

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S1 4+00E 1+75N		1.12	0.23	<0.05	0.15	55	3
S1 4+00E 1+50N		0.40	0.11	<0.05	0.10	40	4
S1 90 CC #43							
S1 L6+00E 3+25N		0.63	0.20	<0.05	0.11	63	9
S1 L6+00E 3+00N		0.58	0.21	<0.05	0.12	66	11
S1 L6+00E 2+75N		0.05	<0.05	<0.05	0.07	33	4
S1 L6+00E 2+50N		<0.05	<0.05	<0.05	0.10	38	2
S1 L6+00E 2+25N		<0.05	<0.05	<0.05	0.09	38	2
S1 L6+00E 2+00N		0.54	0.06	<0.05	0.07	38	4
S1 L6+00E 1+75N		0.41	<0.05	<0.05	0.09	38	5
S1 L6+00E 1+50N		0.53	0.06	<0.05	0.10	41	4
S1 L6+00E 1+25N		0.77	<0.05	<0.05	0.11	37	7
S1 L6+00E 1+00N		1.18	0.53	<0.05	0.09	57	15
S1 90 ST 043-T							
S1 8+00E 3+00N		0.63	0.05	<0.05	0.06	34	2
S1 90 ST 043-S							
S1 8+00E 2+75N		1.58	<0.05	<0.05	0.10	31	4
S1 8+00E 2+50N		1.12	<0.05	<0.05	0.09	29	2
S1 8+00E 2+25N		0.38	<0.05	<0.05	0.08	28	1
S1 8+00E 2+00N		0.39	<0.05	<0.05	0.08	29	2
S1 8+00E 1+75N		0.38	0.10	<0.05	0.09	32	2
S1 8+00E 1+50N		1.60	0.05	<0.05	0.09	32	7
S1 8+00E 1+25N		1.00	0.42	<0.05	0.08	55	18
S1 90 ST 043-T							
S1 10+00E 3+50N		1.45	<0.05	<0.05	0.11	29	2
S1 90 ST 043-S							
S1 10+00E 3+25N		1.37	<0.05	<0.05	0.13	31	2
S1 10+00E 3+00N		2.08	<0.05	<0.05	0.12	31	3
S1 10+00E 2+75N		1.33	0.07	<0.05	0.11	35	3
S1 90 ST 043-T							
S1 10+00E 2+50N		0.38	<0.05	<0.05	0.08	31	2
S1 10+00E 2+25N		0.67	<0.05	<0.05	0.09	29	2
S1 10+00E 2+00N		2.16	0.06	<0.05	0.09	32	4
S1 90 CC #43							
S1 L12+00E 2+50N		1.23	0.06	<0.05	0.09	33	3
S1 L12+00E 2+25N		2.09	<0.05	<0.05	0.10	30	5
S1 L12+00E 2+00N		1.16	<0.05	<0.05	0.08	31	2
S1 L12+00E 1+75N		1.10	0.24	0.07	0.10	54	4
S1 L12+00E 1+50N		0.30	0.05	<0.05	0.08	41	10
S1 L12+00E 1+25N		0.94	0.15	<0.05	0.12	61	5

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S1 L12+00E 1+00N		<5	0.7	68	23	202	2	198	34	<1	27	153
S1 L12+00E 0+75N		<5	0.8	65	24	194	2	186	34	<1	27	164
S1 90 ST 043-T												
S1 14+00E 2+00N		<5	0.8	35	26	149	2	128	33	<1	27	162
S1 14+00E 1+75N		<5	1.5	53	26	154	1	137	37	<1	28	166
S1 90 CC #43												
S1 L14+00E 1+50N		<5	0.6	41	27	141	2	131	28	<1	27	174
S1 L14+00E 1+25N		<5	1.0	32	30	132	3	102	31	<1	28	174
S1 L14+00E 1+00N		<5	1.1	32	24	109	3	104	20	<1	27	166
S1 L14+00E 0+75N		<5	0.9	36	28	108	3	102	20	<1	27	173
S1 L14+00E 0+50N		<5	0.8	51	20	133	1	120	26	<1	25	141

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S1 L12+00E 1+00N		34	4.10	0.07	18	89	130	52	<20	<10	8	2.36
S1 L12+00E 0+75N		32	4.12	0.07	18	92	128	54	<20	<10	7	2.37
S1 90 ST 043-T												
S1 14+00E 2+00N		35	4.33	0.10	17	98	118	59	<20	<10	4	2.47
S1 14+00E 1+75N		33	4.10	0.10	18	102	114	54	<20	<10	4	2.46
S1 90 CC #43												
S1 L14+00E 1+50N		35	4.72	0.08	18	89	128	66	<20	<10	3	2.60
S1 L14+00E 1+25N		36	5.06	0.13	17	71	113	74	<20	<10	3	2.20
S1 L14+00E 1+00N		36	4.76	0.07	16	70	117	66	<20	<10	3	2.08
S1 L14+00E 0+75N		35	5.00	0.07	16	66	112	71	<20	<10	3	2.19
S1 L14+00E 0+50N		29	3.38	0.07	15	69	96	47	<20	<10	8	2.26

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S1 L12+00E 1+00N		2.45	0.07	<0.05	0.13	34	6
S1 L12+00E 0+75N		2.42	0.11	<0.05	0.14	39	7
S1 90 ST 043-T							
S1 14+00E 2+00N		2.02	0.05	<0.05	0.15	33	3
S1 14+00E 1+75N		2.11	0.08	<0.05	0.14	37	4
S1 90 CC #43							
S1 L14+00E 1+50N		2.17	<0.05	<0.05	0.15	30	3
S1 L14+00E 1+25N		1.73	0.05	<0.05	0.16	33	3
S1 L14+00E 1+00N		1.70	<0.05	<0.05	0.16	30	2
S1 L14+00E 0+75N		1.70	<0.05	<0.05	0.16	29	2
S1 L14+00E 0+50N		1.83	0.05	<0.05	0.15	32	4

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SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM
S1 90 P 043-S (PREFIX)												
S1 001 L12+30E 7+00S		9	1.2	28	13	66	5	15	8	<1	<5	<5
S1 002		13	1.5	34	20	124	3	14	12	<1	<5	7
S1 003		11	1.0	23	14	80	5	10	9	<1	<5	8
S1 004		9	0.6	15	15	66	3	5	5	<1	<5	<5
S1 005		30	1.3	25	9	299	18	22	32	<1	6	31
S1 006		10	0.9	22	13	105	5	14	12	<1	<5	<5
S1 006A		8	1.6	39	13	80	4	18	5	<1	<5	<5

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SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Fe PCT	Mn PCT	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT
S1 90 P 043-S (PREFIX)												
S1 001 L12+30E 7+00S		11	>10.00	0.06	10	43	36	57	<20	<10	14	3.71
S1 002		12	8.27	0.27	<10	153	29	86	<20	<10	10	3.06
S1 003		7	5.52	0.08	<10	60	34	74	<20	<10	17	3.68
S1 004		5	3.92	0.04	<10	131	18	69	<20	<10	11	2.47
S1 005		12	8.52	0.58	<10	172	17	25	<20	<10	79	7.86
S1 006		8	7.34	0.30	<10	64	31	70	<20	<10	13	2.86
S1 006A		8	>10.00	0.04	11	118	48	120	<20	<10	5	3.21

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SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM
S1 90 P 043-S (PREFIX)							
S1 001 L12+30E 7+00S		0.33	<0.05	<0.05	0.06	5	10
S1 002		0.34	0.08	<0.05	0.12	14	10
S1 003		0.26	0.06	<0.05	0.08	8	10
S1 004		0.16	0.08	<0.05	0.10	12	8
S1 005		0.22	0.77	<0.05	<0.05	80	85
S1 006		0.30	0.06	<0.05	0.09	9	9
S1 006A		0.30	0.08	<0.05	0.06	10	4

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S1 90 P 043-S (PREFIX)												
S1 001 L12+30E 7+00S		9	1.2	28	13	66	5	15	8	<1	<5	<5
S1 002		13	1.5	34	20	124	3	14	12	<1	<5	7
S1 003		11	1.0	23	14	80	5	10	9	<1	<5	8
S1 004		9	0.6	15	15	66	3	5	5	<1	<5	<5
S1 005		30	1.3	25	9	299	18	22	32	<1	6	31
S1 006		10	0.9	22	13	105	5	14	12	<1	<5	<5
S1 006A		8	1.6	39	13	80	4	18	5	<1	<5	<5

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S1 90 P 043-S (PREFIX)												
S1 001 L12+30E 7+00S		11	>10.00	0.06	10	43	36	57	<20	<10	14	3.71
S1 002		12	8.27	0.27	<10	153	29	86	<20	<10	10	3.06
S1 003		7	5.52	0.08	<10	60	34	74	<20	<10	17	3.68
S1 004		5	3.92	0.04	<10	131	18	69	<20	<10	11	2.47
S1 005		12	8.52	0.58	<10	172	17	25	<20	<10	79	7.86
S1 006		8	7.34	0.30	<10	84	31	70	<20	<10	13	2.86
S1 006A		8	>10.00	0.04	11	118	48	120	<20	<10	5	3.21

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-352667

BONDAR-CLEGG

Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V90-01689.0

DATE PRINTED: 22-AUG-90
PROJECT: 043

SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM
S1 90 P 043-S (PREFIX)							
S1 001 L12+30E 7+00S		0.33	<0.05	<0.05	0.06	5	10
S1 002		0.34	0.08	<0.05	0.12	14	10
S1 003		0.26	0.06	<0.05	0.08	8	10
S1 004		0.16	0.08	<0.05	0.10	12	8
S1 005		0.22	0.77	<0.05	<0.05	80	35
S1 006		0.30	0.06	<0.05	0.09	9	9
S1 006A		0.30	0.08	<0.05	0.06	10	4

APPENDIX III

Rock Geochemistry Results

Bondar-Clegg & Company Ltd.
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BONDAR-CLEGG

Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

DATE PRINTED: 11-OCT-90

REPORT: V90-02224.0

PROJECT: 043

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Mo PPM	Hg PPM
R2 90 X 043 R-1989		<5	0.5	11	5	124	23	<5	5	0.089
R2 90 X 043 R-1990		<5	0.6	9	6	106	23	<5	4	0.044
R2 90 X 043 R-1991		8	0.5	20	11	281	38	<5	66	0.366
R2 90 X 043 R-1992		12	0.7	58	19	299	34	<5	39	0.193
R2 90 X 043 R-1993		12	0.7	38	16	187	29	7	22	0.220
R2 90 P 043 R-4198		<5	0.8	16	6	122	28	<5	4	0.202
R2 90 P 043 R-4199		<5	0.5	13	3	134	14	<5	2	0.145
R2 90 P 043 R-4200		<5	0.9	17	6	63	28	<5	7	0.292

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BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: V90-01890.0

DATE PRINTED: 31-AUG-90

PROJECT: LANCE

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Mo PPM	Hg PPM
R2 90 X 043 R-001		36	<0.2	31	74	11	1518	48	2	0.121
R2 90 X 043 R-002		51	2.0	112	58	105	1249	89	17	3.631
R2 90 X 043 R-003		303	18.3	<1	3590	601	393	65	6	0.607
R2 90 P 043 R-4055		<5	<0.2	11	15	36	40	6	7	0.698
R2 90 P 043 R-4056		<5	<0.2	28	31	18	18	9	2	0.391
R2 90 P 043 R-4057		7	<0.2	17	21	18	<5	<5	1	0.026
R2 90 P 043 R-4058		<5	<0.2	10	12	104	45	9	58	0.330
R2 90 P 043 R-4059		<5	<0.2	24	34	64	20	27	11	0.187
R2 90 P 043 R-4060		<5	<0.2	7	7	27	12	5	1	0.018
R2 90 P 043 R-4061		<5	<0.2	<1	<2	36	207	17	21	1.833
R2 90 P 043 R-4062		6	1.6	29	11	33	14	7	18	0.377
R2 90 P 043 R-4063		6	<0.2	13	30	89	<5	27	4	0.081
R2 90 P 043 R-4064		11	1.3	30	8	56	16	6	20	0.372
R2 90 P 043 R-4065		<5	1.5	56	8	67	41	12	22	0.382
R2 90 P 043 R-4066		13	<0.2	21	25	99	31	8	4	0.179
R2 90 P 043 R-4067		13	<0.2	36	20	105	7	<5	4	0.144
R2 90 P 043 R-4068		<5	<0.2	13	40	42	6	16	<1	<0.010
R2 90 P 043 R-4069		<5	<0.2	3	10	38	22	9	2	0.046
R2 90 P 043 R-4070		<5	<0.2	8	10	<1	9	<5	1	<0.010
R2 90 P 043 R-4071		<5	<0.2	10	15	66	16	<5	2	0.321
R2 90 P 043 R-4072		6	<0.2	<1	11	88	49	16	2	0.079
R2 90 P 043 R-4073		<5	<0.2	17	21	63	19	12	2	0.240
R2 90 P 043 R-4074		7	<0.2	2	10	21	10	10	1	0.069
R2 90 P 043 R-4075		<5	<0.2	10	16	107	<5	11	1	0.072
R2 90 P 043 R-4076		<5	1.0	7	15	8	73	16	6	0.608
R2 90 P 043 R-4089		<5	<0.2	<1	16	145	37	21	5	0.525
R2 90 P 043 R-4090		<5	<0.2	<1	8	123	16	6	4	0.044

...gg & Company Ltd.
...erton Ave.
...Vancouver, B.C.
... 2R5
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LANCE

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: V90-02224.0

DATE PRINTED: 11-OCT-90
PROJECT: 043

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Mo PPM	Hg PPM
R2 90 X 043 R-1989 ✓		<5	0.5	11	5	124	23	<5	5	0.089
R2 90 X 043 R-1990 ✓		<5	0.6	9	6	106	23	<5	4	0.044
R2 90 X 043 R-1991 ✓		8	0.5	20	11	281	38	<5	66	0.366
R2 90 X 043 R-1992 ✓		12	0.7	58	19	299	34	<5	39	0.193
R2 90 X 043 R-1993 ✓		12	0.7	38	16	187	29	7	22	0.220
R2 90 P 043 R-4198 ✓		<5	0.8	16	6	122	28	<5	4	0.202
R2 90 P 043 R-4199 ✓		<5	0.5	13	3	134	14	<5	2	0.145
R2 90 P 043 R-4200 ✓		<5	0.9	17	6	63	28	<5	7	0.292

APPENDIX IV

Histograms, Statistical Summary of Soil Geochemistry Results
(combined 1989 and 1990 results - Au, Ag, As, Sb, Zn)

PROJECT LANCE (SOILS)
KEEWATIN ENGINEERING INC.

Summary Statistics

Determination :	AG	AL	AS	AU_10G	AU_30G	BA	BE	BI
# samples :	1168	196	1168	977	196	1168	977	1168
Minimum value :	0.1	0.41	2.5	2.5	2.5	4	0.3	1
Maximum value :	8.3	7.86	646	338	568	1059	89.6	77
Mean :	0.47	1.812	56.9	7.1	19.3	95.4	3.41	5.2
Standard Deviation :	0.522	0.6073	51.48	13.61	45.46	76.52	8.270	7.47

Determination :	CA	CD	CE	CO	CR	CU	FE	GA
# samples :	196	1168	977	1168	1168	1168	196	977
Minimum value :	0.03	0.5	2.5	0.5	0.5	3.7	2.40	1
Maximum value :	4.29	32	416	123	138	197	10.00	187
Mean :	1.128	0.8	27.3	13.2	25.5	38.6	4.458	14.7
Standard Deviation :	0.8831	1.79	29.62	13.49	21.92	25.14	1.0304	13.76

Determination :	K	LA	LI	MG	MN	MO	NA	NB
# samples :	196	1168	977	196	196	1168	196	977
Minimum value :	0.03	0.5	0.5	0.03	0.02	0.5	0.03	0.5
Maximum value :	0.40	157	126	2.45	0.58	93	0.31	200
Mean :	0.156	12.0	12.4	1.300	0.077	11.2	0.058	21.2
Standard Deviation :	0.0570	12.83	9.41	0.5100	0.0510	15.27	0.0530	25.39

Determination :	NI	PB	RB	SB	SC	SN	SR	TA
# samples :	1168	1168	977	1168	977	1168	1168	977
Minimum value :	0.5	1	10	2.5	0.5	10	0.5	5
Maximum value :	534	207	837	149	33	166	274	63
Mean :	28.4	14.6	30.1	9.4	4.3	10.5	28.1	7.0
Standard Deviation :	33.33	13.53	43.03	10.87	3.49	6.20	35.06	6.05

Determination :	TE	V	W	Y	ZN	ZR
# samples :	1168	1168	1168	1168	1168	977
Minimum value :	5	1	5	0.5	10.5	0.5
Maximum value :	139	363	55	168	2036	512
Mean :	6.1	84.9	5.2	10.5	128.6	16.1
Standard Deviation :	5.96	40.50	2.21	13.80	148.86	37.89

PROJECT LANCE (SOILS)
KEEWATIN ENGINEERING INC.

Histogram for Gold 30 grams (AU_30G)   Values in PPB

```
                         % of total                                  in interval
   0        10         20         30         40         50            #          %
   |----|----|----|----|----|----|----|----|----|----|----|
   |
   |************************************ // ***************          186        94.9
42.0 |
   |**                                                                  3          1.5
87.5 |
   |***                                                                 5          2.6
132.9 |
   |                                                                    0          0.0
178.4 |
   |*                                                                   1          0.5
223.8 |
   |                                                                    0          0.0
269.3 |
   |                                                                    0          0.0
314.7 |
   |                                                                    0          0.0
360.2 |
   |                                                                    0          0.0
405.7 |
   |                                                                    0          0.0
451.1 |
   |                                                                    0          0.0
496.6 |
   |                                                                    0          0.0
542.0 |
   |*                                                                   1          0.5
   |
   |----|----|----|----|----|----|----|----|----|----|----|
   0        10         20         30         40         50
                         % of total
```

```
+--------------------------------------------------------------------------------------+
|                                  Summary Statistics                                   |
|                                  ------------------                                   |
|                                                        Mean value          :   19.3    |
| Number of samples      :      196                       Standard Deviation  :   45.46   |
| Number of intervals    :       13                       Coeff. of variation:    2.358   |
| Minimum value          :      2.5                       Skewness            :   9.55    |
| Maximum value          :      568                       Kurtosis            : 106.215   |
| Median value           :     10.9                                                       |
| Modal Range            : less than 42.0                                                 |
| Values in modal range  :  186 ( 94.9 % of total )                                       |
+--------------------------------------------------------------------------------------+
```

PROJECT LANCE (SOILS)
KEEWATIN ENGINEERING INC.

Histogram for Gold - Fire Assay (AU_10G)   Values in PPB

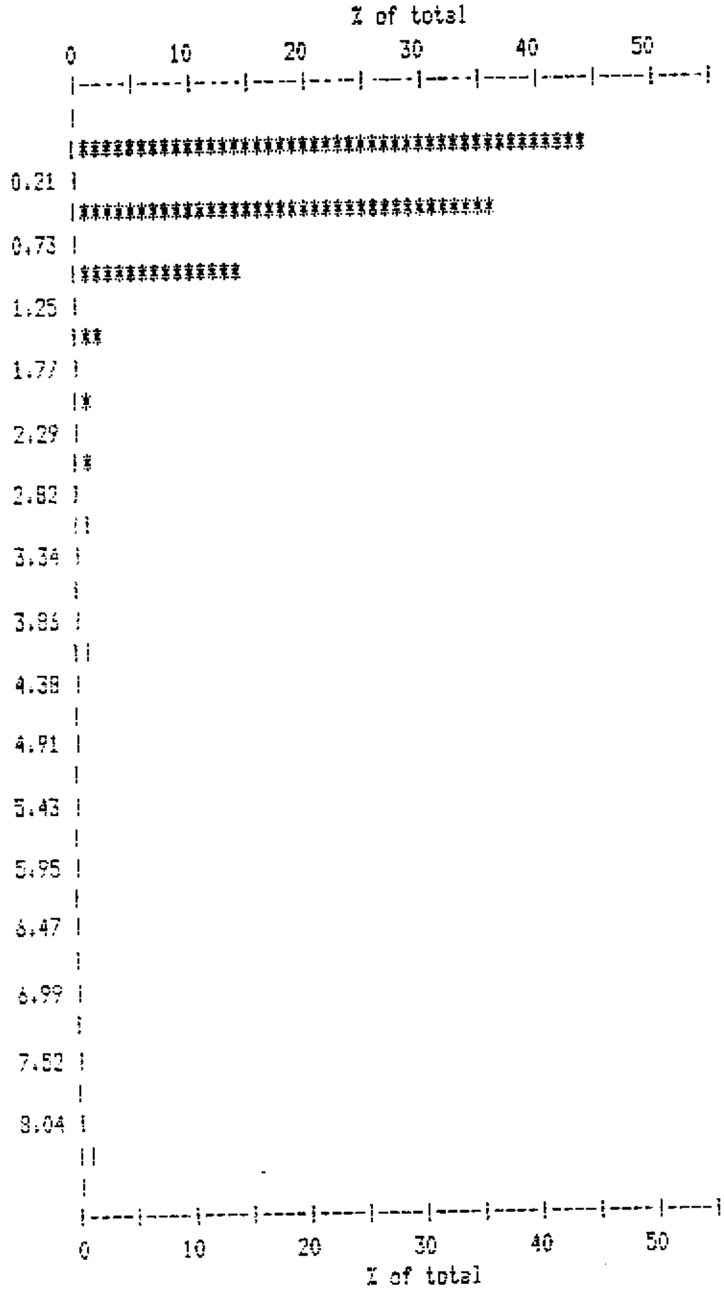
```
                         % of total                                  in interval
         0         10        20        30        40        50          #          %
         |----|----|----|----|----|----|----|----|----|----|----|
         |
         |*********************************** // **************    950        97.2
    20.8 |
         |**                                                        21         2.1
    48.0 |
         ||                                                          3         0.3
    75.2 |
         ||                                                          1         0.1
   102.4 |
         |                                                           0         0.0
   129.7 |
         |                                                           0         0.0
   156.9 |
         |                                                           0         0.0
   184.1 |
         ||                                                          1         0.1
   211.3 |
         |                                                           0         0.0
   238.6 |
         |                                                           0         0.0
   265.8 |
         |                                                           0         0.0
   293.0 |
         |                                                           0         0.0
   320.2 |
         ||                                                          1         0.1
         |
         |----|----|----|----|----|----|----|----|----|----|----|
         0         10        20        30        40        50
                         % of total
```

Summary Statistics

Number of samples	977	Mean value	7.1
Number of intervals	13	Standard Deviation	13.61
Minimum value	2.5	Coeff. of variation	1.907
Maximum value	338	Skewness	17.67
Median value	5.9	Kurtosis	390.195
Modal Range	less than 20.8		
Values in modal range	950 (97.2 % of total)		

PROJECT LANCE (SOILS)
KEEWATIN ENGINEERING INC.

Histogram for Silver (AG) Values in PPM



in interval #	%
510	43.7
426	36.5
169	14.5
29	2.5
17	1.5
11	0.9
4	0.3
0	0.0
1	0.1
0	0.0
0	0.0
0	0.0
0	0.0
0	0.0
0	0.0
0	0.0
1	0.1

Summary Statistics

Number of samples	1168	Mean value	0.47
Number of intervals	17	Standard Deviation	0.522
Minimum value	0.1	Coeff. of variation	1.116
Maximum value	8.3	Skewness	4.790
Median value	0.3	Kurtosis	46.7817
Modal Range	less than 0.21		
Values in modal range	510 (43.7 % of total)		

PROJECT LANCE (SOILS)
KEEWATIN ENGINEERING INC.

Histogram for Arsenic (AS) Values in PPM

```
                           % of total
           0       10       20       30       40       50                 in interval
           |----|----|----|----|----|----|----|----|----|----|----|      #        %
           |
           |**************************************                        442      37.8
    31.1   |
           |***************************************                       460      39.4
    82.6   |
           |****************                                              186      15.9
   134.1   |
           |*****                                                          57       4.9
   185.6   |
           |*                                                               9       0.8
   237.1   |
           |*                                                               9       0.8
   288.5   |
           ||                                                               1       0.1
   340.0   |
           ||                                                               3       0.3
   391.5   |
           |                                                                0       0.0
   443.0   |
           |                                                                0       0.0
   494.5   |
           |                                                                0       0.0
   545.9   |
           |                                                                0       0.0
   597.4   |
           ||                                                               1       0.1
           |
           |----|----|----|----|----|----|----|----|----|----|----|
           0       10       20       30       40       50
                           % of total
```

Summary Statistics

Number of samples	1168	Mean value	56.9
Number of intervals	13	Standard Deviation	51.48
Minimum value	2.5	Coeff. of variation	0.905
Maximum value	646	Skewness	2.91
Median value	43.3	Kurtosis	17.797
Modal Range	greater than 31.1 to less than 82.6		
Values in modal range	460 (39.4 % of total)		

PROJECT LANCE (SOILS)
KEEWATIN ENGINEERING INC.

Histogram for Zinc (ZN) Values in PPM

```
                          % of total
        0       10       20       30       40       50              in interval
        |----|----|----|----|----|----|----|----|----|----|----|      #        %
        |
        |*****************                                           198      17.0
  54.2  |
        |************************************ // ***************     845      72.3
 203.0  |
        |*****                                                        64       5.5
 351.9  |
        |**                                                           24       2.1
 500.7  |
        |*                                                            17       1.5
 649.6  |
        |*                                                            11       0.9
 798.5  |
        ||                                                             3       0.3
 947.3  |
        ||                                                             1       0.1
1096.2  |
        ||                                                             2       0.2
1245.0  |
        |                                                              0       0.0
1393.9  |
        ||                                                             1       0.1
1542.8  |
        ||                                                             1       0.1
1691.6  |
        |                                                              0       0.0
1840.5  |
        |                                                              0       0.0
1989.4  |
        ||                                                             1       0.1
        |
        |----|----|----|----|----|----|----|----|----|----|----|
        0       10       20       30       40       50
                          % of total
```

Summary Statistics

Number of samples	1168	Mean value	128.6
Number of intervals	15	Standard Deviation	140.36
Minimum value	10.5	Coeff. of variation	1.158
Maximum value	2036	Skewness	5.31
Median value	72.3	Kurtosis	39.983
Modal Range	greater than 54.2 to less than 203.0		
Values in modal range	845 (72.3 % of total)		

APPENDIX V

Soil Sample Notes

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: Lance Flows

Area (Grid): Jack Glacier

Collectors: Bob Murphy

Results Plotted By:

Map: N.T.S.:

Date

Sample Number	Sample Location		Notes	Topography				Vegetation						Soil Data						
	Line	Station		Valley Bottom	Direction of slope	Hill Top	Level Ground	Heavily Wooded	Sparsely Wooded	Burnt	~~Logged~~ Barren	Grassland	Swampy	Horizon Sampled	Depth to Horizon Sample	Horizon Development: Good	Horizon Development: Poor	Parent Material: Drift	Parent Material: Bedrock	Colour
	2S	3+00			E						✓			NA			/	/	/	Grey
		Nil												Nil						Nil
	4S	3+50			E						✓			NA			✓	✓	✓	Grey
	4S	3+75			E						✓			NA			✓	✓	✓	Grey
	4S	4+00			E						✓			NA			✓	✓	✓	Grey
	4S	4+25			E						✓			NA			✓	✓	✓	Grey
	2S	3+00			E						✓			NA			✓	✓	✓	Grey
	2S	3+25			E						✓			NA			✓	✓	✓	Grey
	2S	3+50			E						✓			NA			✓	✓	✓	Grey
	2S	3+75			E						✓			NA			✓	✓	✓	Grey
	2S	4+00			E						✓			NA			✓	✓	✓	Grey
	2S	4+25			E						✓			NA			✓	✓	✓	Grey
	2S	4+50			E						✓			NA			✓	✓	✓	"
	2S	4+75			E						✓			NA			✓	✓	✓	"
	2S	5+00			E						✓			NA			✓	✓	✓	"
	2S	5+25			E						✓			NA			✓	✓	✓	"

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project:

Area (Grid):

Collectors:

Results Plotted By:

Map: N.T.S.:

Date [illegible] 17, 9[illegible]

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development Good	Soil Data: Horizon Development Poor	Soil Data: Parent Material Drift	Soil Data: Parent Material Bedrock	Soil Data: Colour
		[illegible]												n/a	[illegible]		✓			[illegible]
																	✓			[illegible]
															10		✓			
															15		✓			
															10					
		[illegible]								✓	✓			n/a	5		✓			gray
															5					
															5					
															5					
															5					
															5					

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: [illegible]

Area (Grid): [illegible] Glacier [illegible]

Collectors: [illegible]

Results Plotted By:

Map: N.T.S.:

Date: July 18, '90

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: ~~Burnt~~ Glacier	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to ~~Horizon~~ Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
	L10+00	0+00W			E					✓				N/A	10		✓			gr/br
		0+25W			E					✓					10		✓			gr/br
		0+50W			E					✓					15		✓			"
		0+75W			E					✓					15		✓			"
		1+00W			E					✓					15		✓			"
		1+25													15		✓			
			CLIFFED OUT																	
	L10+00	0+00E			E					/							/			Grey
		+25E			E					/							/			"
		50E			E					/							/			"
		75E			|					/							/			"
		1+00E			|					/							/			"
		25E															/			"
		50E	clifted out																	
	[illegible]	[illegible]			[illegible]					[illegible]				n/a	[illegible]		[illegible]			[illegible]

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project:

Area (Grid):

Collectors:

Results Plotted By:

Map: N.T.S.:

Date

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
							✓													

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: Lance # 043

Area (Grid): Mud Lake

Collectors: Colin Anderson & Scott [illegible]

Results Plotted By:

Map: N.T.S.:

Date

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: ~~Burnt~~ Hill Side	Vegetation: ~~Logged~~	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Horizon Development: Good	Horizon Development: Poor	Parent Material: Drift	Parent Material: Bedrock	Colour
	14+00E	0+50N			S					/				NA			\	\	\	
		0+75N			S					/				NA			\	\	\	
		1+00N			S					/				NA			\	\	\	
		1+25N			S					/				NA			\	\	\	
		1+50N			S					/				NA			\	\	\	
		1+75N			S					/				NA			\	\	\	
		2+00N			S					/				NA			\	\	\	
					1															

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: Vance # 043

Area (Grid): Jack Glacier Grid

Collectors: Colin Anderson

Results Plotted By:

Map: N.T.S. :

Date

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: ~~Logged~~ Barren	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Horizon Development: Good	Horizon Development: Poor	Parent Material: Drift	Parent Material: Bedrock	Colour
	10+00S	0+25 E			E						/			Till						Grey
		0+50 E			E						/									
		0+75 E			E						/									
		1+00 E			E						/									
		1+25 E			E						/									
		1+50 E	Cliffed off		E						/									
	L8+00S	0+25 E			E						/									
		0+50 E			N						/									
		0+75 E			N						/									
		1+00 E			E						/									
		1+25 E			W						/									
		1+50 E			N						/									
		1+75 E			O						/									
		2+00 E			O						/									
	L6+00S	0+25 E			O						/									
		0+50 E			O						/									
		0+75 E			E						/									
		1+00			E						/									
		1+25			E						/									
		1+50			E						/									
		1+75			F						/									
		2+00			F						/									
		2+25			F						/									
		2+50			F						/									
		2+75	No Sample moss on Rock		E						/									
		3+00			F						/									
		3+25			F						/									
		[illegible]	No Sample [illegible]		[illegible]															

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: Lance #013

Area (Grid): East of [illegible]

Collectors: Scott Thompson & [illegible]

Results Plotted By:

Map:

N.T.S.:

Date: July 17/90

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Slide area	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
	4+00E	1+50N			S					/							X	/	/	Brown
	4+00E	1+75N			S					/							X	/	/	/
	4+00 E	2+00N			S					/							X	/	/	/
	4+00E	2+25N			S					/							X	/	/	/
	4+00E	2+50N			S					/							X	/	/	/
	4+00E	2+75N			S					/							X	/	/	/
	4+00E	3+00N			S					/							X	/	/	/
	[illegible] E	3+25N			S					/							X	/	/	/

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: LANCE 043

Area (Grid): (Base ... Tom Glacier ...

Collectors: C. Thompson / C. Aronson

Results Plotted By:

Map: N.T.S.:

Date: July 8 '90

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: ~~Burnt~~ Glacial	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to ~~Horizon~~ Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
	12+00	0+00E	[illegible]																	Gr/Bl
		0+25E			E					✓				N/A	15	N/A				"
		0+50E			N/A		✓			✓				✓	15	"				"
		0+75E			L					✓				✓	10	"				
		1+00E			E					✓				✓	15	"				Grey
		1+25E			L					✓				✓	10	"				Gr/Bl
		1+50E			W					✓				✓	10	"				Br/Gr
		1+75E			flat					✓				✓	5	"				Blk
		1+90E	CLIFF TO RIVER																	
	12+00	0+00W								/										
		0+25			T					/					15		/			Grey
		0+50								/					10		/			"
		0+75								/					15		/			"
		1+00								/					20		/			"
		1+25								/					20		/			"
		1+50								/					15		/			"
		1+75								/					15		/			"
		2+00								/					30		/			"
		2+25	No Sample [illegible]																	
		2+50								/					30		/			"
		2+75								/					20		/			"
		3+00								/					25		/			"
		3+25	No sample [illegible]																	
		3+50			//					/					30		/			"
		3+75	Treeline - [illegible]		//					/					25		/			"

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: [illegible]

Area (Grid): [illegible]

Collectors: [illegible]

Results Plotted By:

Map: N.T.S.:

Date July 13/90

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: ~~Burnt~~ Slide Area	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
	6+00E	1+00N		✓										N/A	N/A		✓			Brown
	6+00E	1+25N			SW					✓				"	"		✓			"
	6+00E	1+50N			SW					✓							✓			"
	6+00E	1+75N			"					✓							✓			"
	6+00E	2+00N			"					✓				"	"		✓			"
	6+00E	2+25N			"					✓							✓			"
	6+00E	2+50N			"					✓							✓			"
	6+00E	2+75N			"					✓							✓			"
	6+00E	3+00N			"					✓				"	"		✓			"
	6+00E	3+25N			"					✓							✓			"
	8+00E	1+00N		✓						✓				N/A	N/A		✓			Brown
	8+00E	1+25N		✓						✓				"	"		✓			"
	8+00E	1+50N			SW					✓							✓			"
	8+00E	1+75N			SW					✓				"	"		✓			"
	8+00E	2+00N			SW					✓										"
	8+00E	2+25N			SW					✓							✓			"
	8+00E	2+50N			SW					✓							✓			"
	8+00E	2+75N			SW					✓							✓			"
	8+00E	3+00N			SW					✓				"	"		✓			"

N/A - undeveloped soil

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: [illegible]

Area (Grid): West of [illegible]

Collectors: Scott [illegible] + Colin [illegible]

Results Plotted By:

Map: N.T.S.:

Date: July 11 '90

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: ~~Burnt~~ Slide Alder	Vegetation: ~~Logged~~ meadow	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
	10+00E	2+00N			SW					✓				N/A	20		✓			brown
	10+00E	2+25N			SW					✓				"	25		✓			chestnut
	10+00E	2+50N			SW					✓				"	25		✓			br
	10+00E	2+75N			SW					✓				"	30		✓			br
	10+00E	3+00N			SW					✓				"	35		✓			br
	10+00E	3+25N			SW					✓				"	30		✓			br
	10+00E	3+50N			SW						✓			"	25		✓			light br.
	12+00E	0+75N			SW					✓				N/A	25		✓			
	12+00E	1+00			"					✓				N/A	35		✓			br
	12+00E	1+25			"					✓				N/A	40		✓			br
	12+00E	1+50			"					✓				"	40		✓			gr/br
	12+00E	1+75			"					✓				"	30		✓			br
	12+00E	2+00			"					✓				"	50		✓			LBr
	12+00E	2+25			"					✓				"	35		✓			br
	12+00E	2+50			"					✓				"	35		✓			

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: [illegible]

Area (Grid):

Collectors: [illegible]

Results Plotted By:

Map: N.T.S. :

Date [illegible]

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Horizon Development: Good	Horizon Development: Poor	Parent Material: Drift	Parent Material: Bedrock	Colour
	4+00S	0+25E			110°										6"					GREY
		0+50E			100°										6"					GR
		0+75E			110										6"					GR
		1+00E			160										2.5"					GR
		1+25			140										6"					BROWN
		1+50			60										6"					BR
		~~1+75~~			14										N-S					N-S
		~~2+00~~			86										N-S					N-S
		2+25			140										6"					GR
		2+50			100										6"					GR
	4+00S	6+25W			30°										6"					GR
		6+50W			40°										3"					GR
	6+00S	0+25E			180										5					BR
		0+50			180										6					BR
		0+75			80										6					GRAY
		1+00			100										5					
		1+25			90										6					
		1+50			110										2					
		1+75			13										5					
		2+00			[illegible]										4.5					
		2+25			[illegible]										3.5					
		2+50			[illegible]										4					Light Brown

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: ______________________

Area (Grid): ______________________

Collectors: [illegible]

Results Plotted By: ______________________

Map: ______________ N.T.S.: ______________

Date ______________________

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Horizon Develop-ment: Good	Horizon Develop-ment: Poor	Parent Material: Drift	Parent Material: Bedrock	Colour
	[illegible]	[illegible]			[illegible]															GREY
		[illegible]			[illegible]															[illegible]
		[illegible]			[illegible]															[illegible]
		[illegible]			[illegible]															[illegible]
		[illegible]			[illegible]															[illegible]
		[illegible]			[illegible]															[illegible]
		[illegible]			[illegible]															
		[illegible]			[illegible]															
		[illegible]			[illegible]															
		[illegible]			[illegible]															
		[illegible]			[illegible]															
		[illegible]			[illegible]															
		[illegible]			[illegible]															
	[illegible]	[illegible]			80															[illegible]
		[illegible]			90															[illegible]
					100															[illegible]
		[illegible]	[illegible]		[illegible]															[illegible]
		[illegible]			[illegible]															[illegible]
		[illegible]			[illegible]															[illegible]
		[illegible]	[illegible]		[illegible]															[illegible]
		[illegible]																		[illegible]
		[illegible]			[illegible]															[illegible]
		[illegible]	[illegible]		[illegible]															[illegible]

APPENDIX VI

Rock Sample Notes

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: LANCE (C43)
Area (Grid): DIL GRID
Collectors: M.A. GIBSON

Results Plotted By: AM GIBSON
Map: NTS:
Date: JULY 10/90 Surface ✓ Underground

SAMPLE NUMBER (90C43)	LOCATION NOTES	REP. SAMPLE NUMBER	GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET
R4055	L9+00E 2+00S						✓	DACITE	Pyrite mineralized weakly vesicular dacite with pyrite infilling vesicles, fine grained disseminated in host (5%)	
R4056	DIL GRID 3700' between 8E-9E						✓	DACITE	Silicified felsic volcanic with massive pyrite lenses, f.g. diss py (10%) Oxidized weathered surface, yellow stained	
R4057	Stone Creek @ ~3+50E						✓	Quartz vein	White vuggy qtz vein, cockade textures, light brown fracture coatings. No sulphides	
R4058	L5+00E, 0+75N						✓	Bedded pyrite/mudstone	Black mudstone with fine grained grey pyritic beds to 1cm thickness	
R4059	L5+00E, 0+75N		✓					Mudstone/quartz stringer	10cm mudstone bed mineralized with pyrite ± barite, well altered, folded.	
R4060	L11+90E 0+20N						✓	Quartz vein	>20cm banded quartz vein with light brown ankerite and occasional reddish blebs (sphal?) forms boxwork. Vuggy.	
R4061	L11+30E 1+25N						✓	Felsic breccia	Felsic volcanic / massive pyrite breccia with ½" to 2cm fragments, limonitic	
R4062	L5+00E, 0+75N						✓	Bedded mudstone/pyrite	Interbedded 1-3cm pyrite beds within mudstone/argillite. Yellow stained fractures	
R4063	L4+90E 0+75N						✓	Mudstone	~2% fine grained disseminated pyrite cubes throughout, high specific gravity.	
R4064	L5+15E, 0+70N						✓		As above R4063	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: LANCE (043)
Area (Grid): DR Grid
Collectors: [illegible] Gibson

Results Plotted By: [illegible]
Map: NTS:
Date: July 14/90 Surface ✓ Underground

SAMPLE NUMBER 90R043	LOCATION NOTES	REP. SAMPLE NUMBER	GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET
R4065	L5+45E, 0+65N		✓					Pyrite/ Mudstone	Bedded pyrite in mudstone	
R4066	L5+95E 3+15N						✓	Pyrite lens	Pyrite lens/blebs within argillite/ mudstone	
R4067	5+90E 3+16N						✓	Argillite	Silicified argillite/mudstone at ng fault surface cut by 1-5mm iron stained quartz stringers	
R4068	L5+95E 3+17N						✓	Qtz carbonate stringer	Banded, gneissic textured qtz-carbonate stringer with graphitic mudstone inclusions/bands'. No sulphides	
R4069	N. Side Stevie Cr.						✓	Quartz carbonate vein	Qtz-carbonate vein >20cm width with Fe stained carbonate. No sulphides evident.	
R4070	L6+00E ~7+00S		✓					Felsic volcanic/ tuff	Grey white silicified f.g. felsic with banded texture, qtz eyes tuffaceous appearance. 2-3% fine grained Aspy?	
R4072	Jack Grid L16+00S		✓					Dacite dyke	Limonitic weathered fine grained dacitic dyke near end of line.	
R4073	Jack Grid L6+00S 1+00E		✓					Quartz carbonate stringer	Stringer zone with stringers to 1cm within graphitic sheared siltstone.	
R4074	Jack Grid L4+00S 1+00E		✓					Quartz carbonate vein	Vein with graphitic pyrobitumen inclusions.	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: LANCE (E43)
Area (Grid): JACK GRID
Collectors: R.K. Gibson

Results Plotted By: AM Gibson
Map: NTS:
Date: July 22 /90 Surface Underground

SAMPLE NUMBER (90E43)	LOCATION NOTES	REP. SAMPLE NUMBER	GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET
R4075	L5+50S 2+00E		✓					Argillite	Qtz-carbonate vein stained slickenside fault surface within white oxide coated graphitic argillite.	
R4076	L6+25S 1+00E						✓	Felsic Volcanic	Silicified oxidized felsic volcanic with ~5% diss py. Stringers 1-2mm.	
R4198	GEOPHYSICS FOLLOW-UP LINE A1		✓					Dacite	Highly pyritic mineralized dacitic vesicular volcanic oxidized rock.	
R4199	Geop LINE A1 @ 7+25E		✓					Diabase	Fine grained conchoidally fractured dk. green pyritic (5%) diabase dyke, magnetic Jarosite stained in area sampled.	
R4200	Geop Line A2 @ 8+00E		✓					Diabase breccia	Pyrite rich matrix diabase breccia with fine grained dark green black diabase frags. Up to 40% pyrite	

KEEWATIN ENGINEERING INC.
ROCK SAMPLES

Project: LANCE 043
Area (Grid):
Collectors: B. McINTYRE

Results Plotted By:
Map: John Peaks NTS: 104B9
Date: July - Sept 1990 Surface ✓ Underground

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET
90X043R										
001	50M W. of WIN 1 35x/w		✓					dacite	2m wide qtz/carb stockwork x15m >5% Py/Po	
002	20m due S of 001		✓					qtz/carb vein	at contact of dacite dyke & pelites. Py veinlets 1-3cm.	
003.	E arm Jack Cr. 100m S of bdry						✓	felsic	>10% Ga/Sp/Py/CPy 20cm rounded.	
	Follow-Up 2n DIL GRID anom.									
1989	12E 0+00N B/L.		✓					felsic	vesicular, tuffaceous/fragmental. Fine dissem + blebs >2%	
1990	12E 0+00N B/L		✓					"	——— d/o ———	
1991	7E 1+00N [3m from stn]		✓					shale	thin bedded (1cm) black shale - no sulphides visible	
1992	6+60E 0+80N		✓					shale	sheared, thin bedded shale, non calc. - no visible sulphide	
1993	12E 1+85N		✓					shale	folding, sheared, faulted black shale - no visible sulphide.	

APPENDIX VII

Logistics Report, Induced Polarization Survey

LOGISTICS REPORT

INDUCED POLARIZATION SURVEY

LANCE PROPERTY

FOR

KEEWATIN ENGINEERING LTD

by

SCOTT GEOPHYSICS LTD
4013 W 14th Ave
Vancouver,B.C.
V6R 2X3

August 12,90

Alan Wynne
Geophysicist

INTRODUCTION

During the period July 12 to 20,1990, a time domain I.P. survey was run on the Lance property of *KEEWATIN ENGINEERING LTD.*

The property is located near Stewart in North West B.C. Access is by helicopter from the Stewart area.

PERSONNEL

Personnel involved in the program were:

Jim Hawkins GEOPHYSICIST
Scott Benson Assistant
Scott Bainbridge Assistant.

INSTRUMENTATION AND PROCEEDURE

The survey was performed utilizing the Scintrex IPR11 receiver. A Scintrex 2.5 kw transmitter and an array of A=25, N=1 to 5 was used.
Readings were taken in the time domain utilizing a 2 second on, 2 second off alternating square wave.

Chargeabilities(mv/v) were measured at 10 delay times after cessation of the current pulse. These values, along with apparant resistivity, primary voltage during current on time,the self potential gradient and the line and station number are presented as summary data listings.

The results are presented in posted and contoured psuedosection form of apparent resistivity and M7 chargeability.

Spectral analysis of the decay curves for time constant, frequency dependance, Mo, and fit to the theoretical decay curve are presented as data listings.

RECCOMENDATIONS

The chargeability values on the grid vary between 10 and 60 mv/v indicating a conductive environment. Four anomalous zones are detectable within this background.

A. Line 1400/125N to 600/285N. Appears under an apparant flat lying unit.

B. Line 1200/150S to 600/125N. Probably a contact zone.

C. Line 1200/310S to 400/75S. A diffuse target zone.

D. Line 1200/650S to 1000/675S. Two line strong, open to East.

These anomalies all trend east/west. The apparant shift is due to a base line shift of some 200 meters.

All the anomalies are of interest, however because of the high background specific targets are difficult to reccomend.

STATEMENT OF QUALIFICATIONS

I, Alan J Wynne, do hereby certify:

1. That I am a consulting Geophysicist with business offices at 1255 Maple Road RR#3, Sidney, B.C. V8L 3X9

2. That I am a graduate in Geology/Geophysics from the University of British Columbia, B.sc., 1976

3. That I have practised my profession for 13 years.

4. That the opinions, conclusions and recommendations contained herein are based on fieldwork supervised by me.

5. That I own no direct nor indirect interests in the subject property, or shares of KEEWATIN ENGINEERING LTD

Sidney, B.C.
August 12, 1990

Alan Wynne, B.Sc.

APPENDIX VIII

Summary of Expenditures

SUMMARY OF EXPENDITURES

Labour	$ 38,956.25
Camp Costs	10,949.77
Camp and Field Rentals	5,927.32
Accommodation and Travel Costs	3,109.14
Geophysics	16,102.25
Fixed Wing	824.30
Helicopter	33,639.73
Sample Analysis	3,718.38
TOTAL:	**$113,227.34**

APPENDIX IX

Itemized Cost Statement

ITEMIZED COST STATEMENT

Labour	$ 38,956.25
Camp Rental	7,440.00
Field Equipment Rental	1,860.00
Computer Rental	310.00
Generator, Radios, Copier	3,060.00
Truck Rental	697.32
Accommodation and Travel	3,109.14
Delivery	209.84
Camp Fuel	11.00
Expediting	723.70
Fixed Wing	824.30
Geophysics	16,102.25
Helicopter	33,639.73
Maps and Drafting Supplies	259.66
Mobilization Costs	2,073.26
Sample Analysis	3,718.38
Telephone	232.51
TOTAL:	**$113,227.34**

APPENDIX X

Summary of Personnel

SUMMARY OF PERSONNEL

Name	Position	Days Worked
D. DuPre	Project Supervisor	6.25
R. Nichols	Project Supervisor	1.00
A. Freeze	Geologist	2.50
A. Gibson	Project Geologist	26.50
L. Wood	Cook	19.00
N. Bertrand	Field Assistant	11.00
R. Murphy	Field Assistant	9.00
I. Leventhal	Field Assistant	2.00
E. Birkeland	Prospector	2.00
B. McIntyre	Prospector	8.00
S. Thompson	Field Assistant	15.00
C. Anderson	Prospector	18.00
R. Gaboury	Field Assistant	13.50
F. Ferguson	Surveyor	1.50
B. Whelan	Land Administrator	11.00
T. Lee	Drafting	20.50

KEEWATIN ENGINEERING INC.

LANCE PROPERTY DIL GRID

LINE: 1400E

INDUCED POLARIZATION SURVEY

Pole-Dipole Array

SCOTT GEOPHYSICS LTD.

90/07/18

Scintrex IPR-11

Pulse Rate: 2 sec

Current electrode is trailing to north of receiving electrodes
Proximity of current wire to pot wires north of Baseline may have affected readings

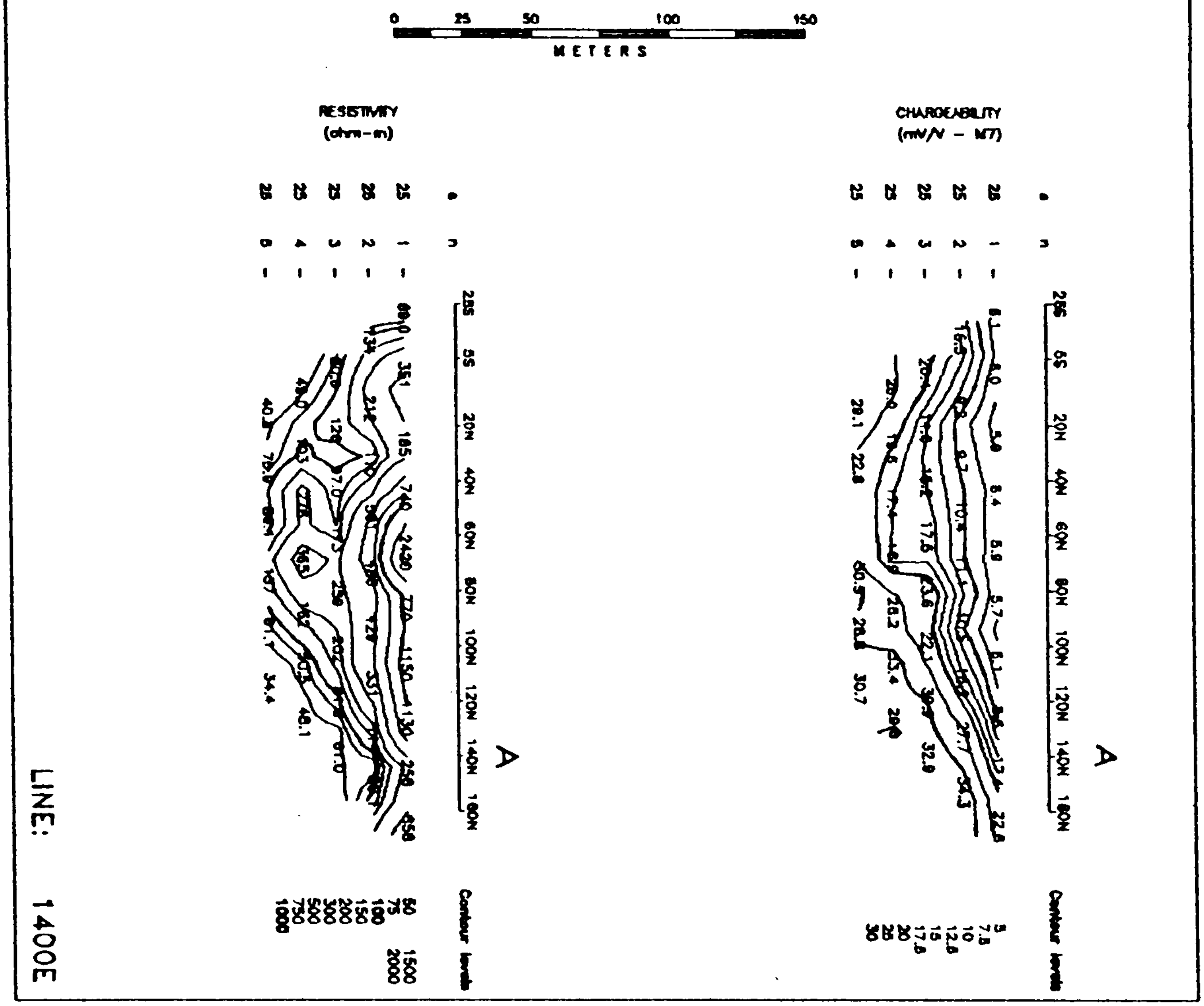


Plate 5

GEOLOGICAL BRANCH ASSESSMENT REPORT

21,489

KEEWATIN ENGINEERING INC.

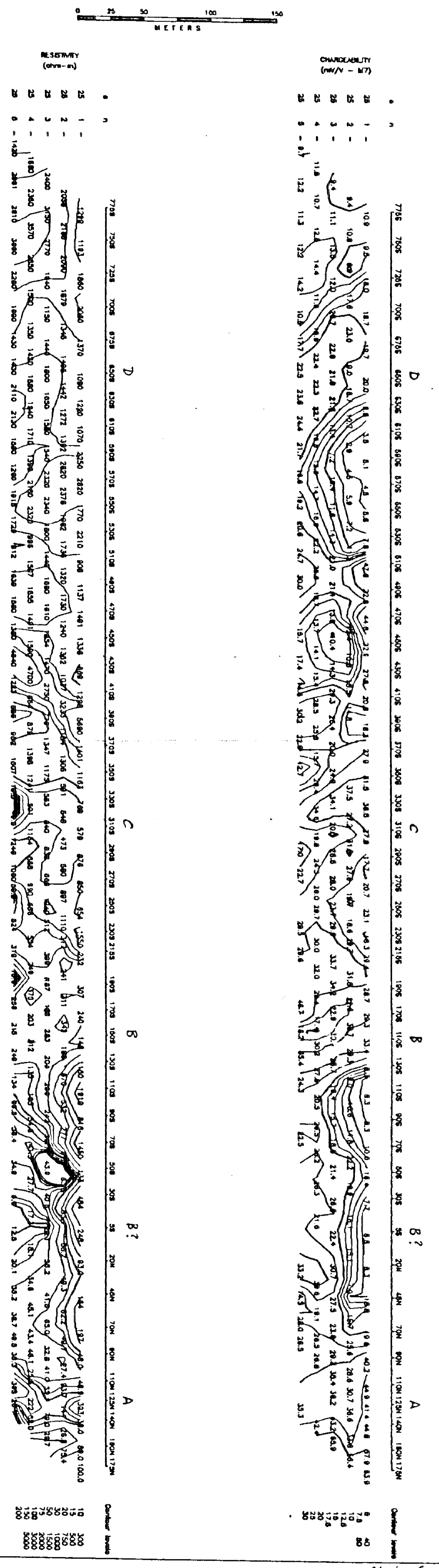
LANCE PROPERTY OIL GRID
LINE: 1200E

INDUCED POLARIZATION SURVEY
SCOTT GEOPHYSICS LTD.
90/07/18

Pole-Dipole Array

Scintrex IPR-11
Pulse Rate: 2 sec

Current electrode is trailing to north of receiving electrodes
Proximity of current wire to pot wires north of Baseline may have affected readings



GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,489

LINE: 1200E

Plate 6

KEEWATIN ENGINEERING INC.

LANCE PROPERTY *UPPER OIL GRID*

LINE: 1000E

INDUCED POLARIZATION SURVEY

Pole-Dipole Array

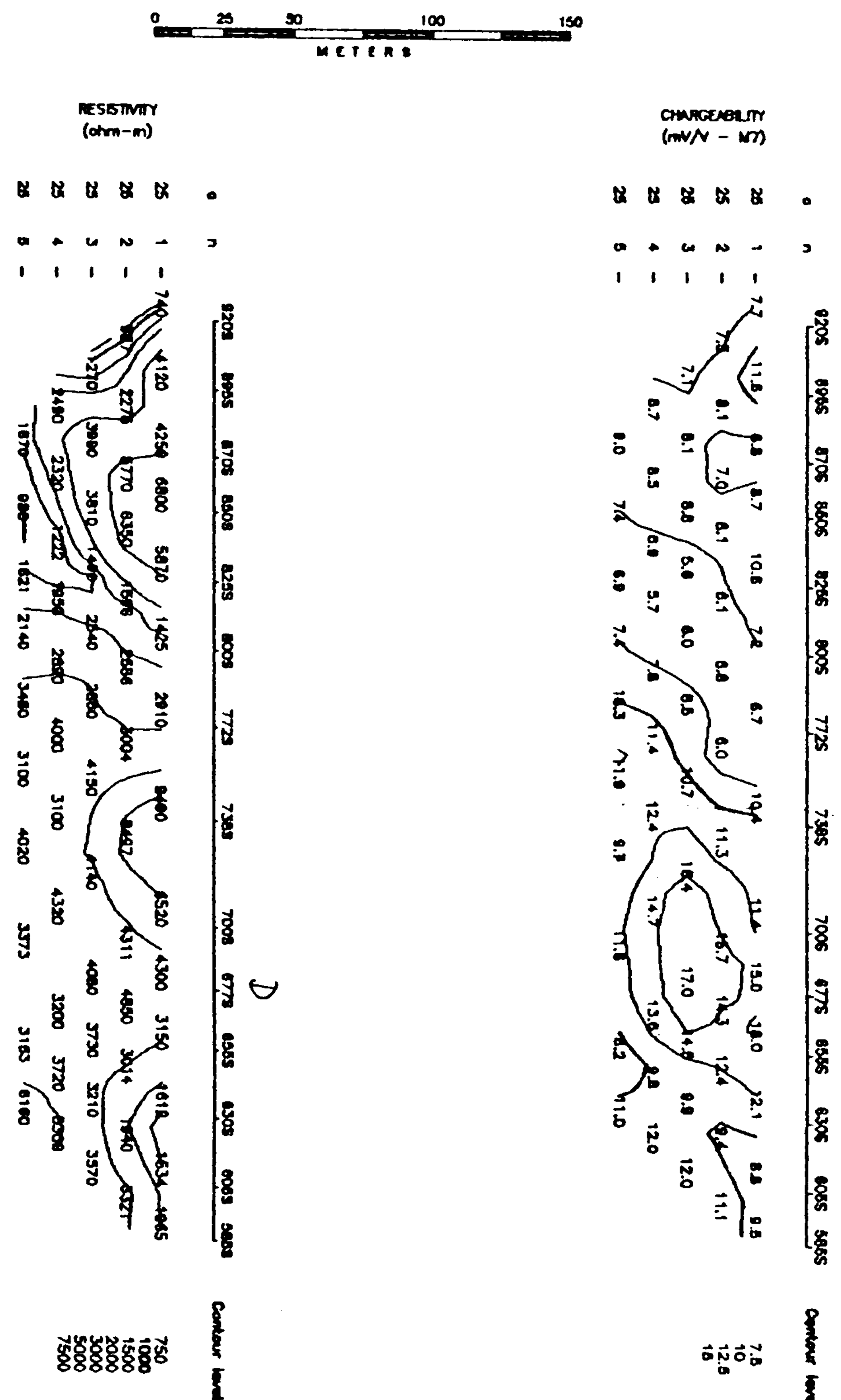
SCOTT GEOPHYSICS LTD.

90/07/18

Scintrex IPR-11

Pulse Rate: 2 sec

Current is trailing to south of receiving electrodes



GEOLOGICAL BRANCH ASSESSMENT REPORT

21,489

LINE: 1000E

Plate 7

KEEWATIN ENGINEERING INC.

LANCE PROPERTY *DIL GRID*

LINE: 1000E

INDUCED POLARIZATION SURVEY

Pole-Dipole Array

SCOTT GEOPHYSICS LTD.

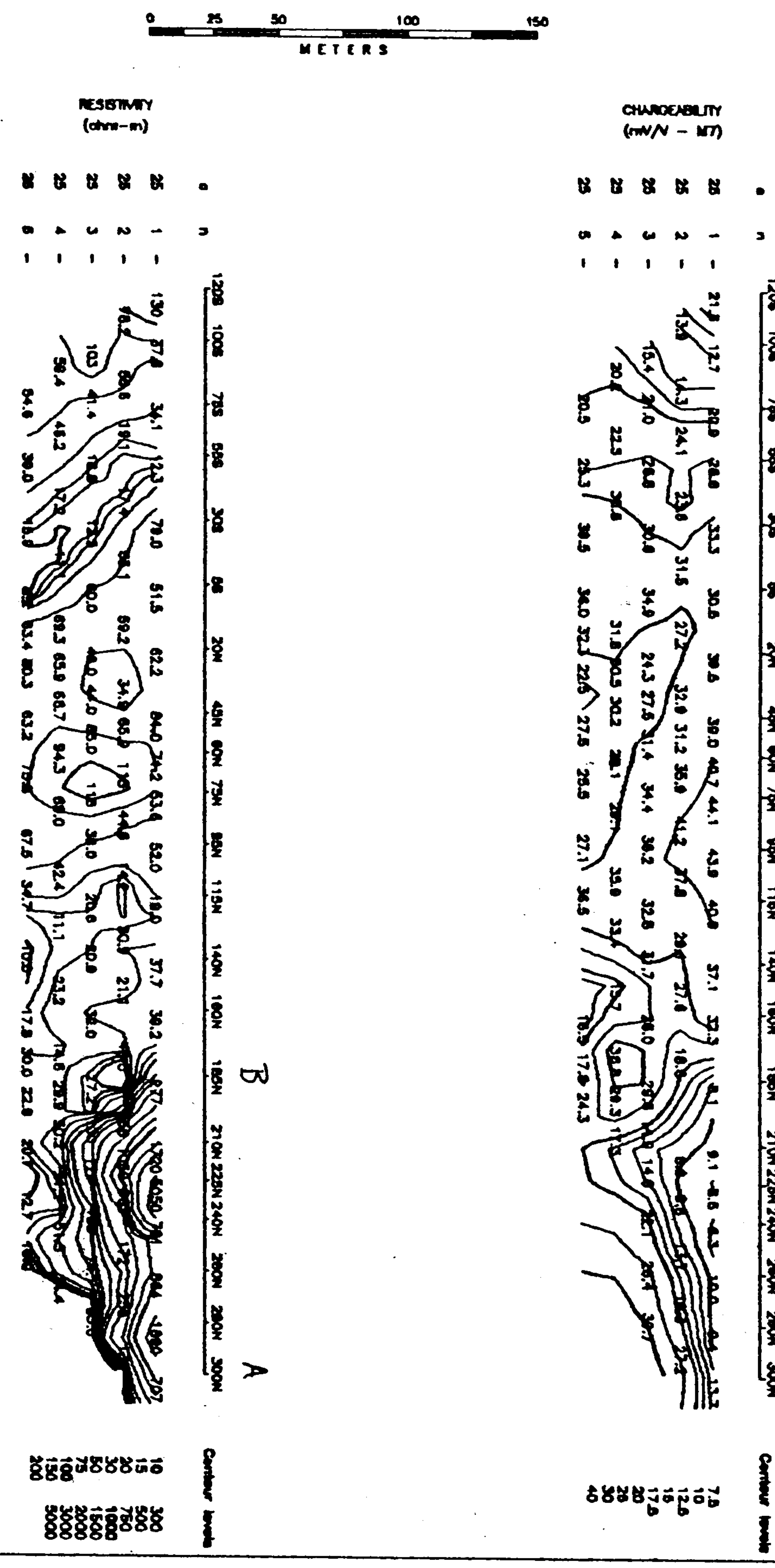
90/07/18

Scintrex IPR-11

Pulse Rate: 2 sec

Current electrode is trailing to north of receiving electrodes

Proximity of current wire to pot wires north of Baseline may have affected readings



GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,489

LINE: 1000E

Plate 8

KEEWATIN ENGINEERING INC.

LANCE PROPERTY *upper oil grid*

LINE: 800E

INDUCED POLARIZATION SURVEY

Pole-Dipole Array

SCOTT GEOPHYSICS LTD.

90/07/19

Scintrex IPR-11

Pulse Rate: 2 sec

Current electrode is trailing to south of receiving electrodes

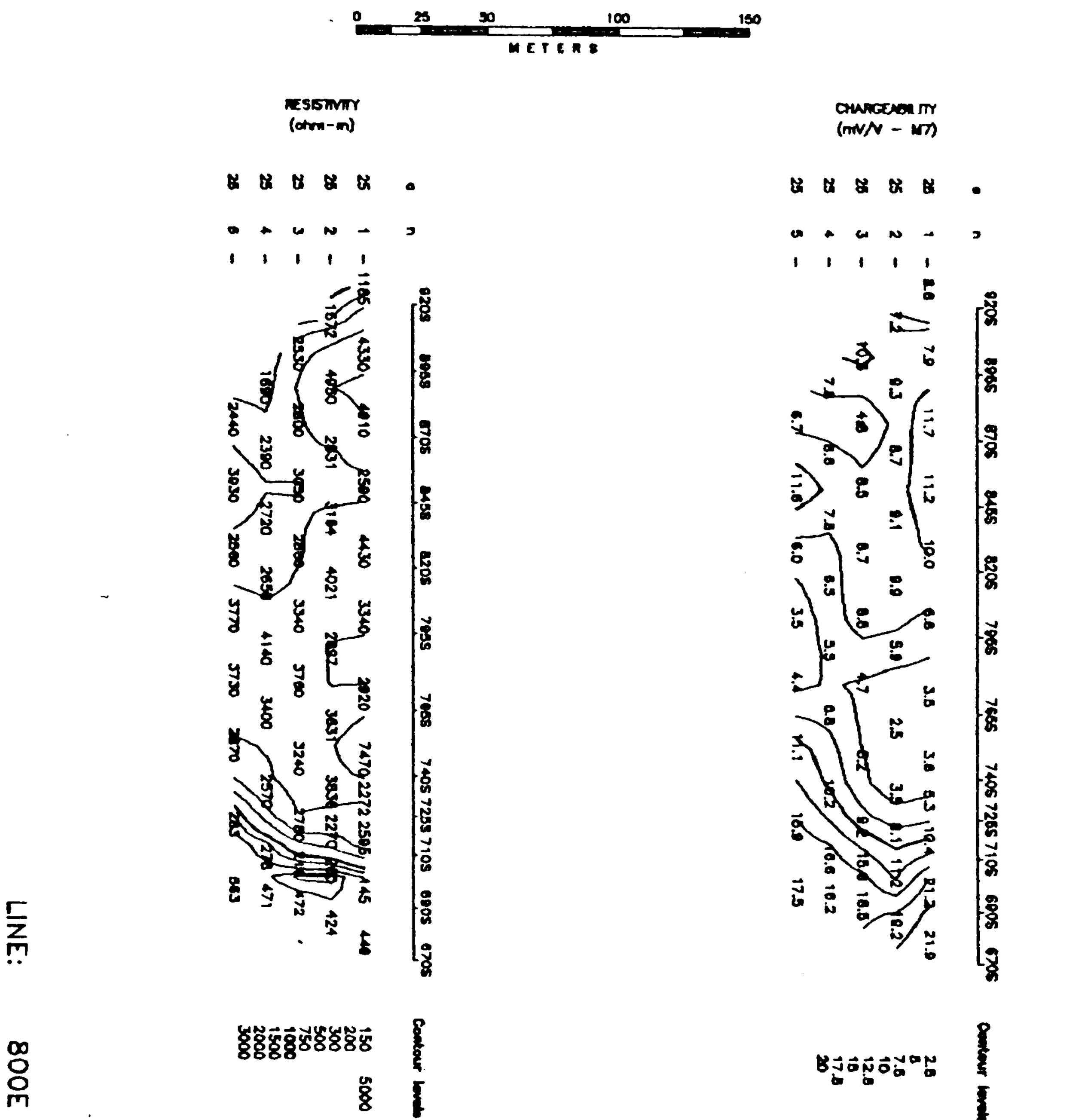


Plate 9

GEOLOGICAL BRANCH ASSESSMENT REPORT

21,489

KEEWATIN ENGINEERING INC.

LANCE PROPERTY *OIL GRID*

LINE: 800E

INDUCED POLARIZATION SURVEY

Pole-Dipole Array

SCOTT GEOPHYSICS LTD.

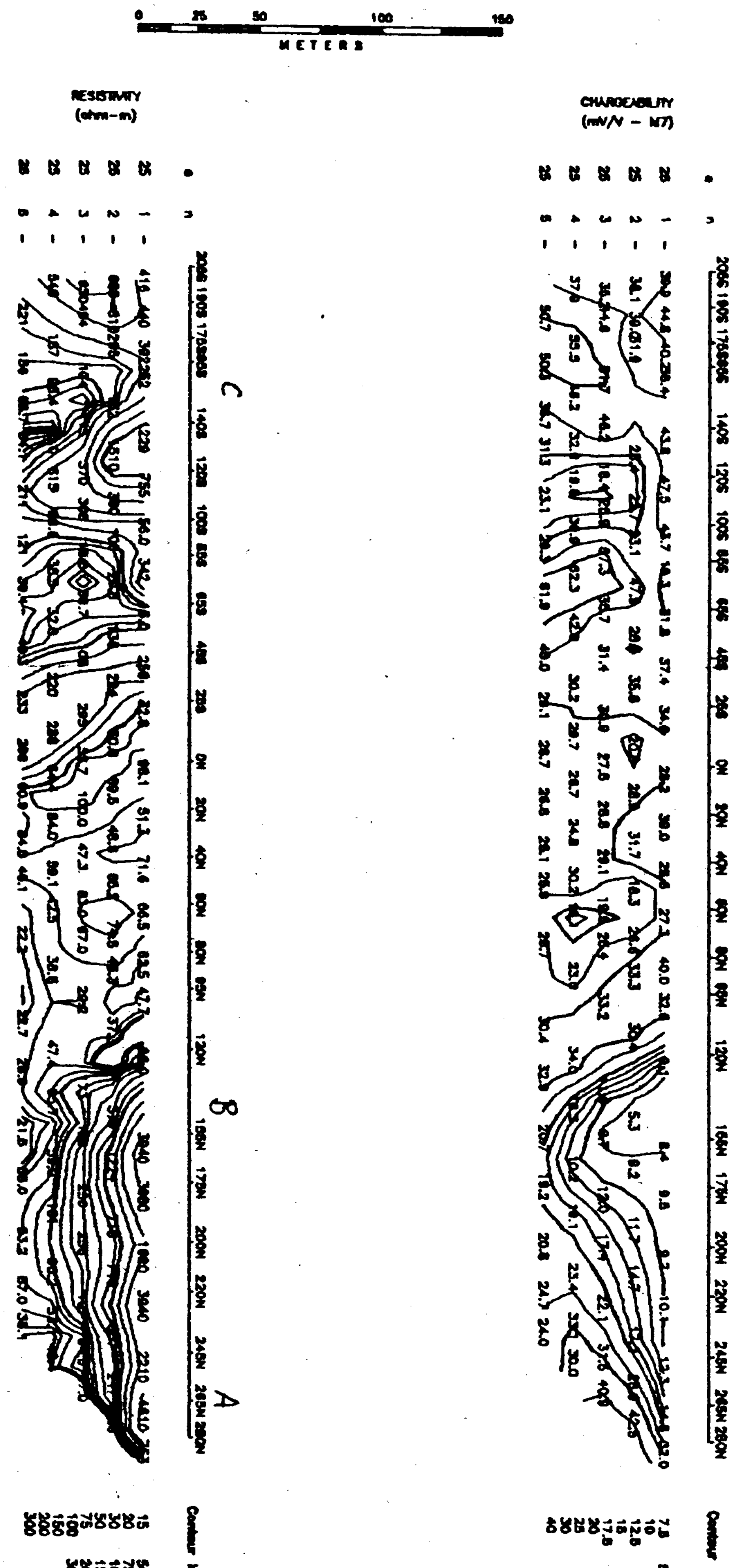
90/07/18

Scintrex IPR-11

Pulse Rate: 2 sec

Current electrode is trailing to north of receiving electrodes

Proximity of current wire to pot wires north of Baseline may have affected readings



GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,489

LINE: 800E

Plate 10

KEEWATIN ENGINEERING INC.

LANCE PROPERTY *UPPER DIL GRID*

LINE: 600E

INDUCED POLARIZATION SURVEY

Pole-Dipole Array

SCOTT GEOPHYSICS LTD.

90/07/19

Scintrex IPR-11

Pulse Rate: 2 sec

Current electrode is trailing to south of receiving electrodes

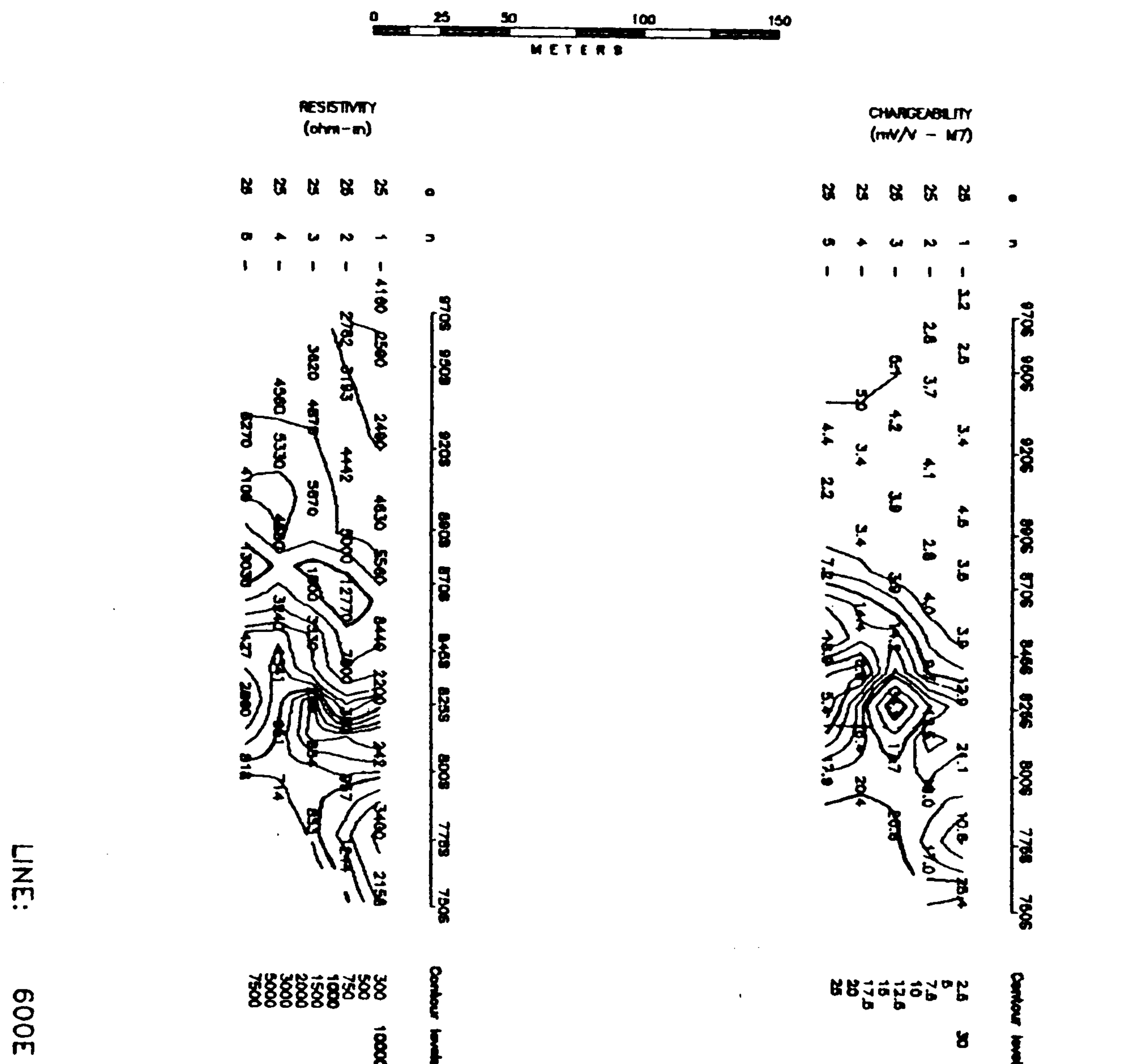


Plate 11

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,489

KEEWATIN ENGINEERING INC.

LANCE PROPERTY *DIL GRID*

LINE: 600E

INDUCED POLARIZATION SURVEY

Pole-Dipole Array

SCOTT GEOPHYSICS LTD.

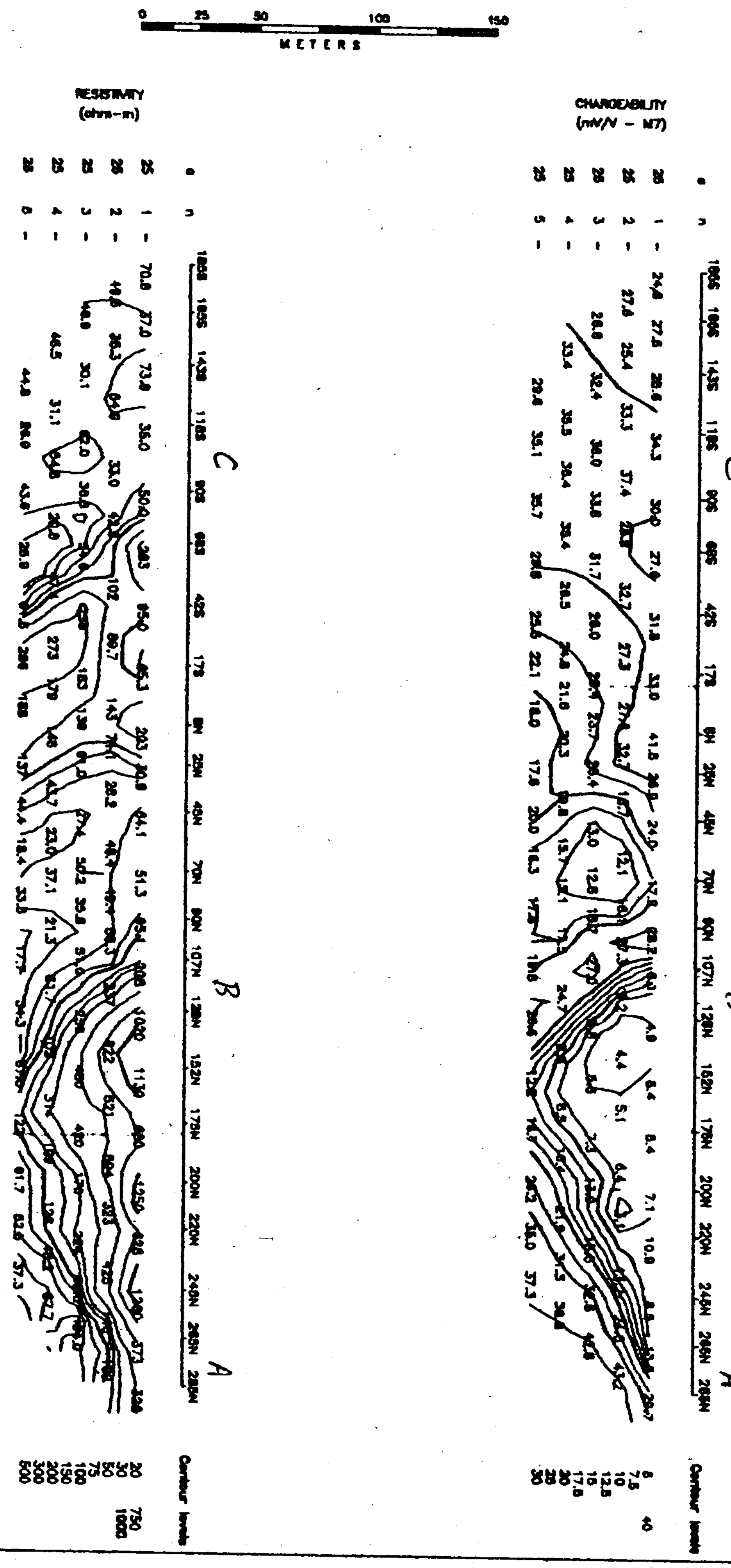
90/07/18

Scintrex IPR-11

Pulse Rate: 2 sec

Current electrode is trailing to north of receiving electrodes

Proximity of current wire to pot wires north of Baseline may have affected readings



GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,489

LINE: 600E

Plate 12

D:\DATA>

KEEWATIN ENGINEERING INC.

LANCE PROPERTY *Oil Grid*

LINE: 400E

INDUCED POLARIZATION SURVEY

Pole-Dipole Array

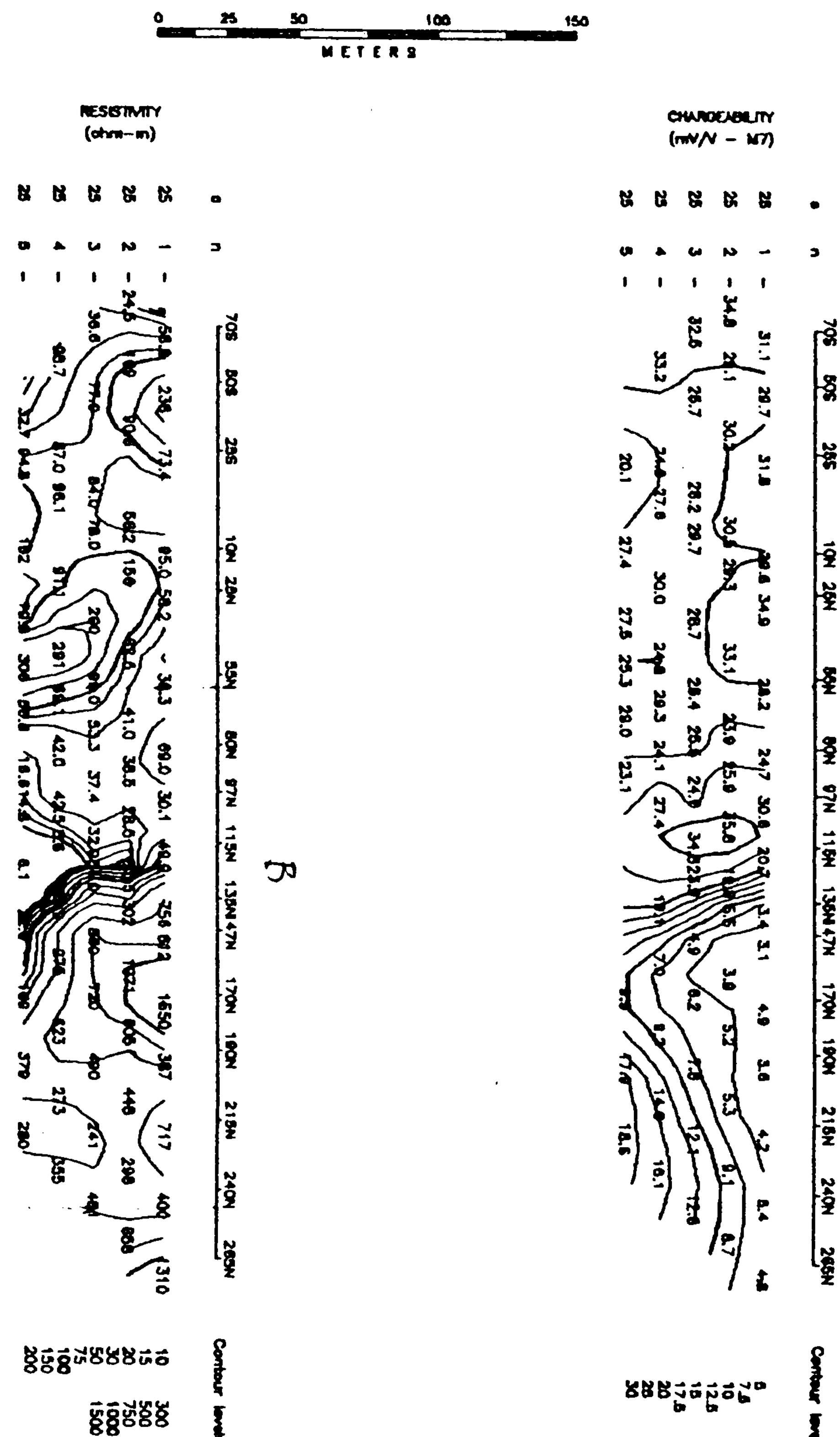
SCOTT GEOPHYSICS LTD.

90/07/18

Scintrex IPR-11

Pulse Rate: 2 sec

Current electrode is trailing to north of receiving electrodes
Proximity of current wire to pot wires north of Baseline may have affected readings



LINE: 400E

Plate 13

KEEWATIN ENGINEERING INC.

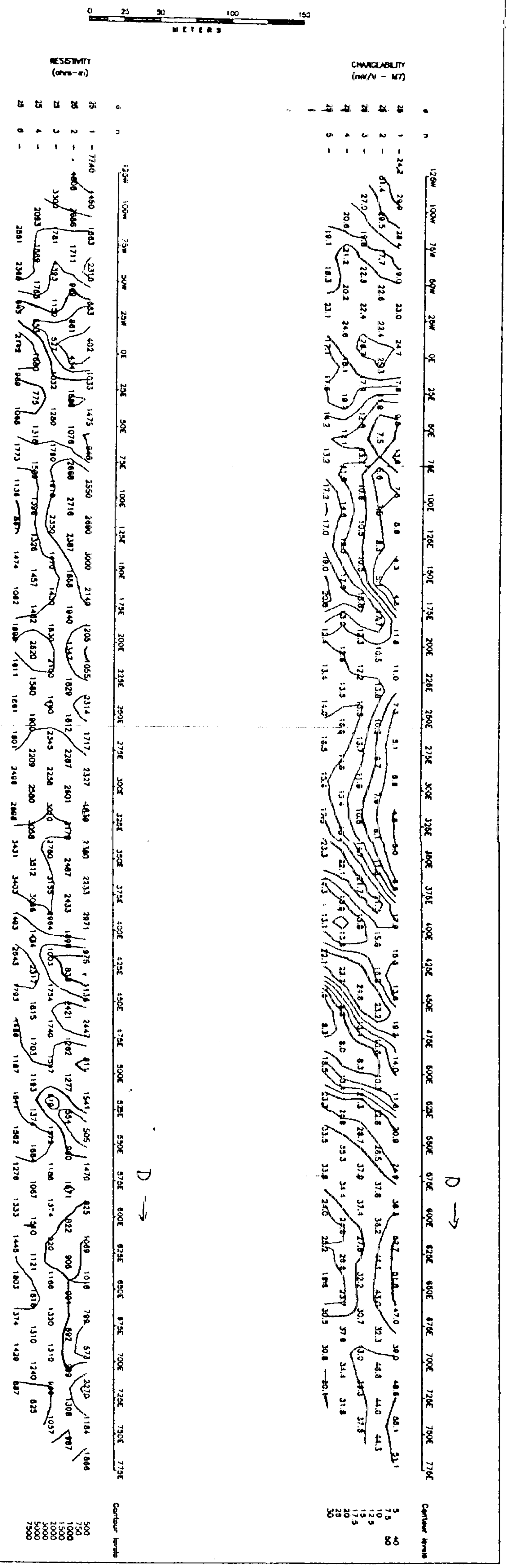
LANCE PROPERTY OIL GRILL FOLLOW-UP
LINE 1 (Anomaly D)

INDUCED POLARIZATION SURVEY
SCOTT GEOPHYSICS LTD.
90/08/24

Pole-Dipole Array

Scintrex IPR-11
Pulse Rate: 2 sec

Current electrode is trailing to west of receiving electrodes



GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,489

2

Plate 14

KEEWATIN ENGINEERING INC.

LANCE PROPERTY JACK GRID (West of Jack Creek)
1200S

INDUCED POLARIZATION SURVEY
Pole-Dipole Array

SCOTT GEOPHYSICS LTD.
90/07/19

Scintrex IPR-11
Pulse Rate: 2 sec

Current electrode is trailing to west of receiving electrodes

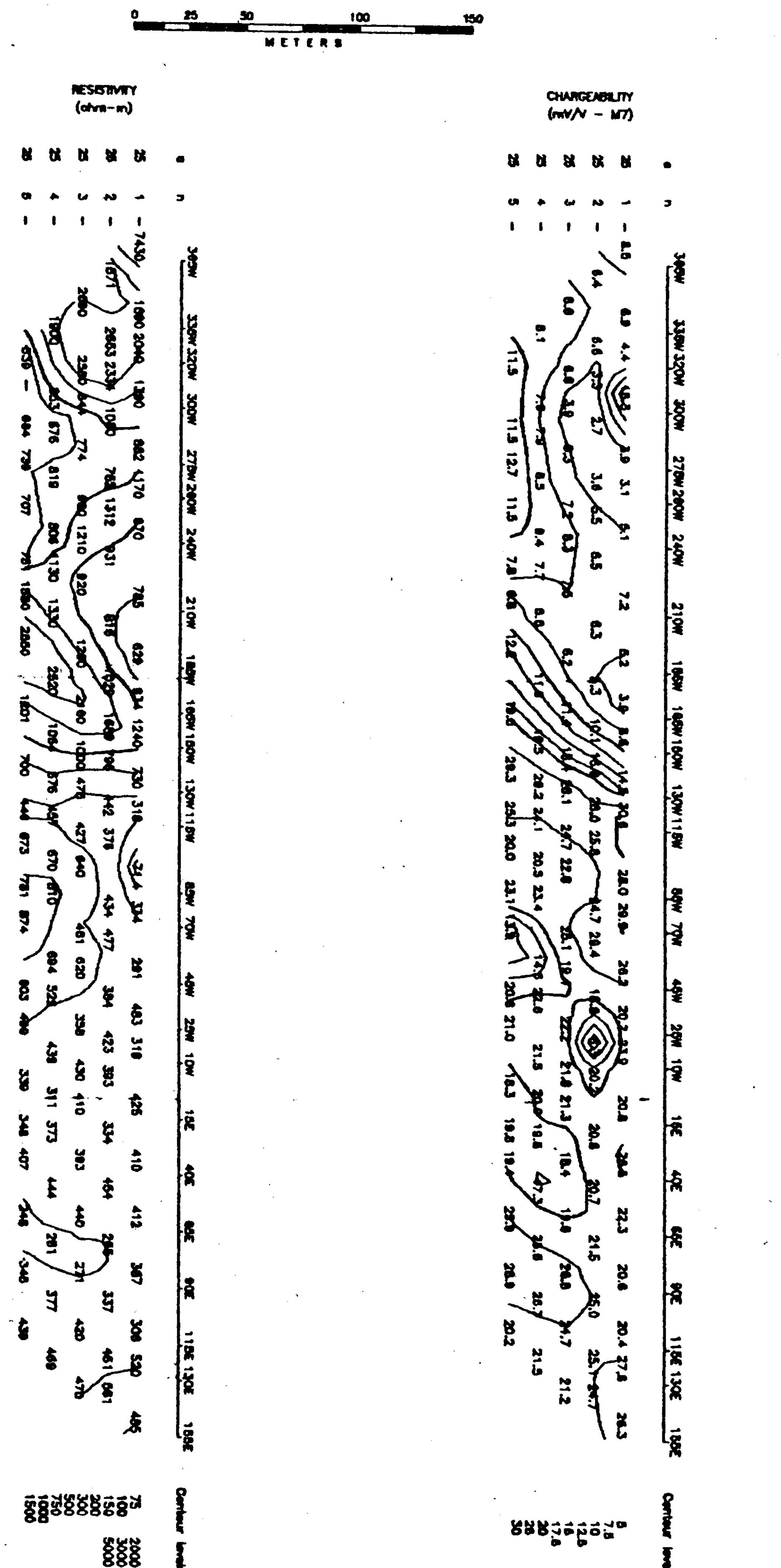


Plate 15

KEEWATIN· ENGINEERING INC.

LANCE PROPERTY JACK GRID

1000S (East of Jack Cr.)

INDUCED POLARIZATION SURVEY

SCOTT GEOPHYSICS LTD.

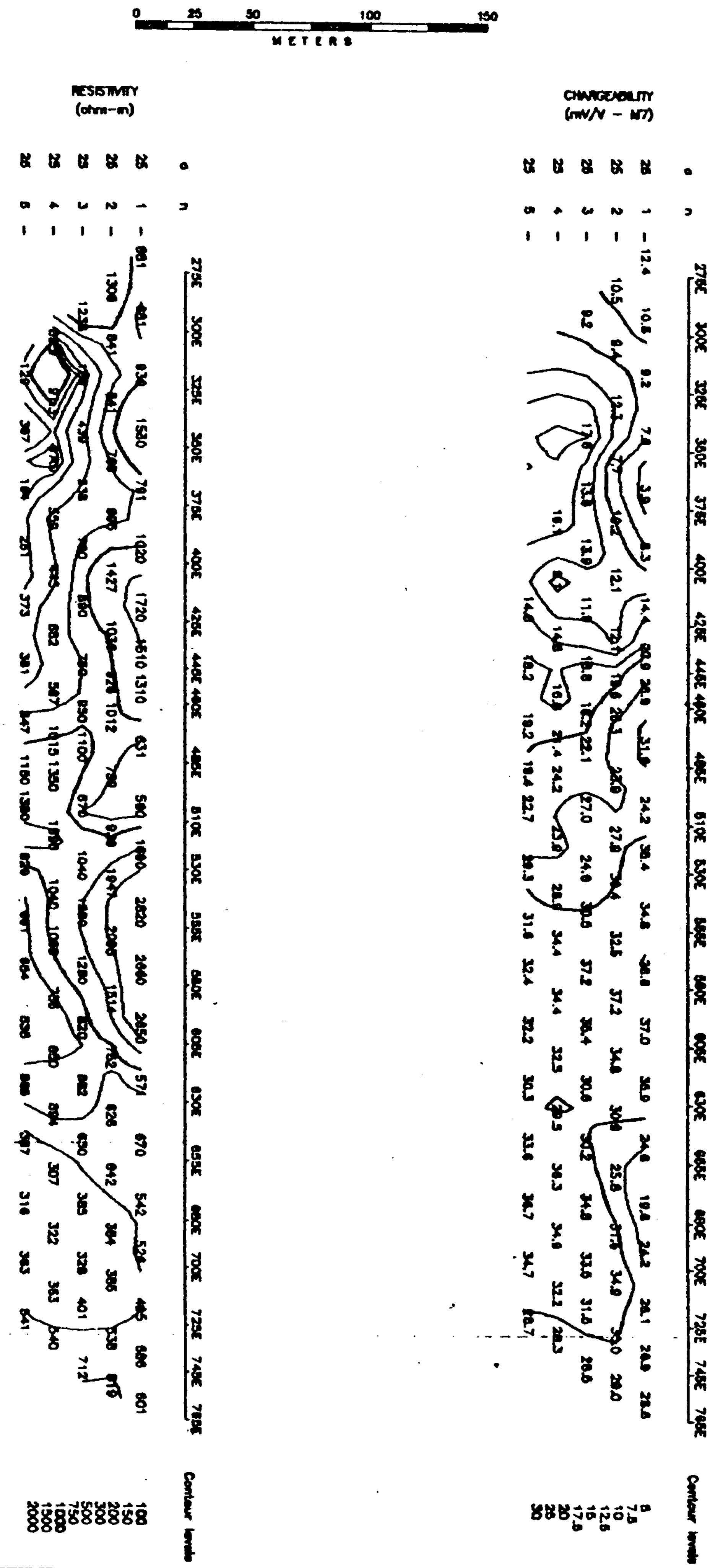
90/07/20

Pole-Dipole Array

Scintrex IPR-11

Pulse Rate: 2 sec

Current electrode is trailing to west of receiving electrodes



GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,489

1000S

Plate 16

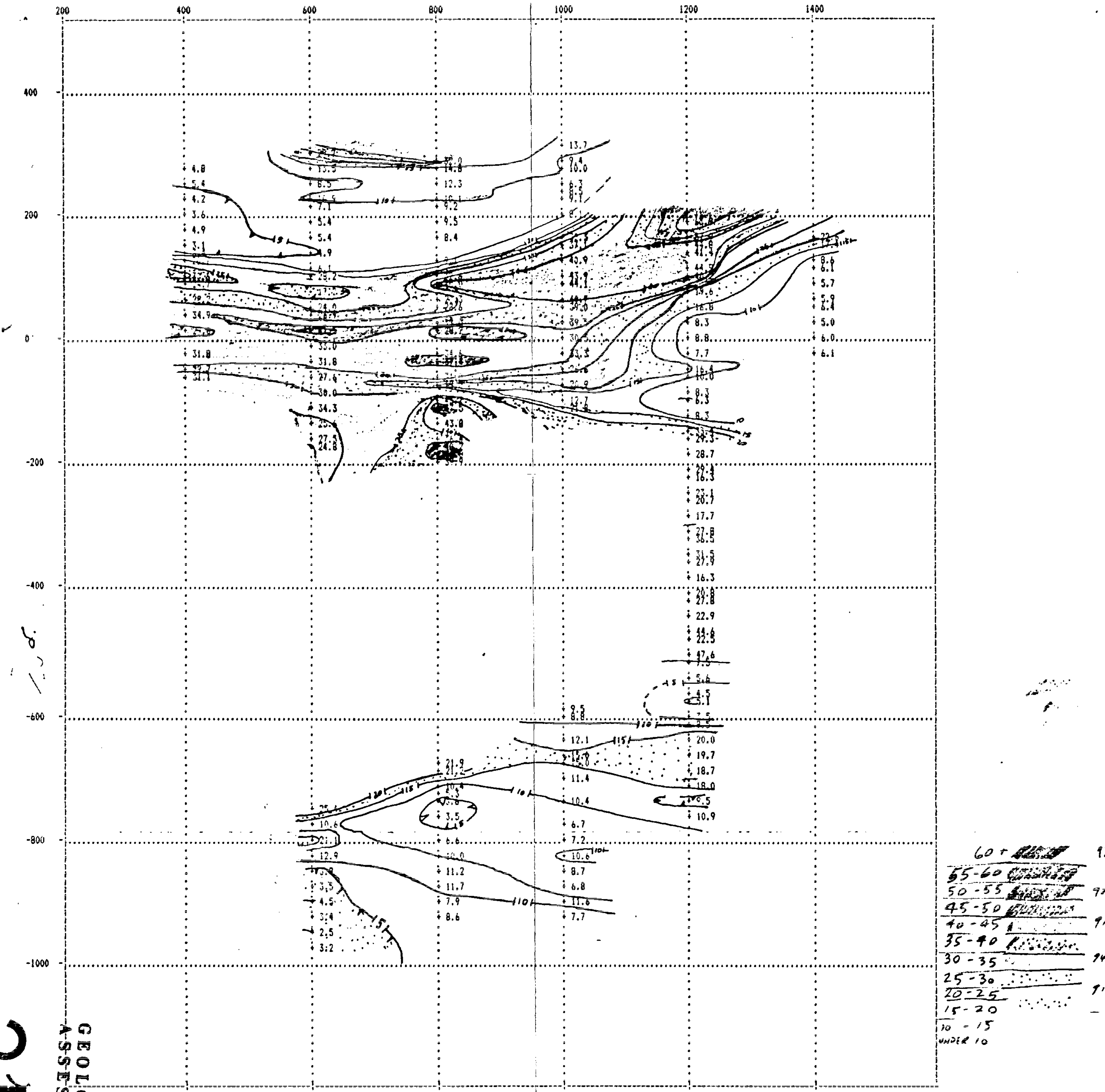


PLATE 17

KEEWATIN ENGINEERING INC.
LANCE PROPERTY

INDUCED POLARIZATION SURVEY
5 A Spc:25,25,25,25,25 Eff.Sep:1,2,3,4,5
Field: M7 Sep: 1
Scale 1:5000 DATE:90.07.20 User:JH

Scott Geophysics Ltd.

CHARGEABILITY

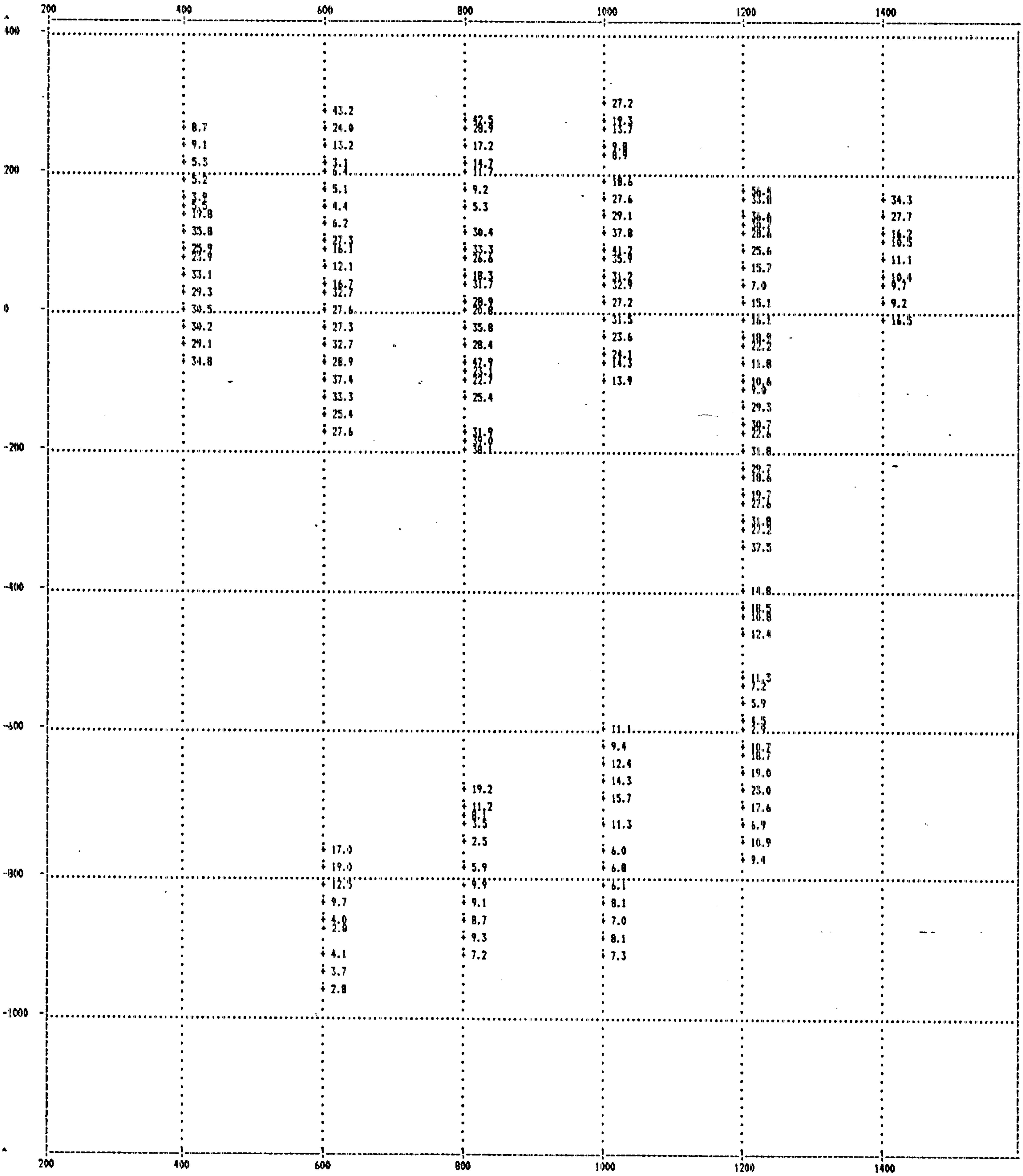


PLATE 18

KEEWATIN ENGINEERING INC.
LANCE PROPERTY

INDUCED POLARIZATION SURVEY
5 A Spc:25,25,25,25,25 Eff.Sep:1,2,3,4,5
Field: M7 Sep: 2
DATE:90.08.07
Scale 1:5000 User:JH

Scott Geophysics Ltd.

CHARGEABILITY

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,489

(4)

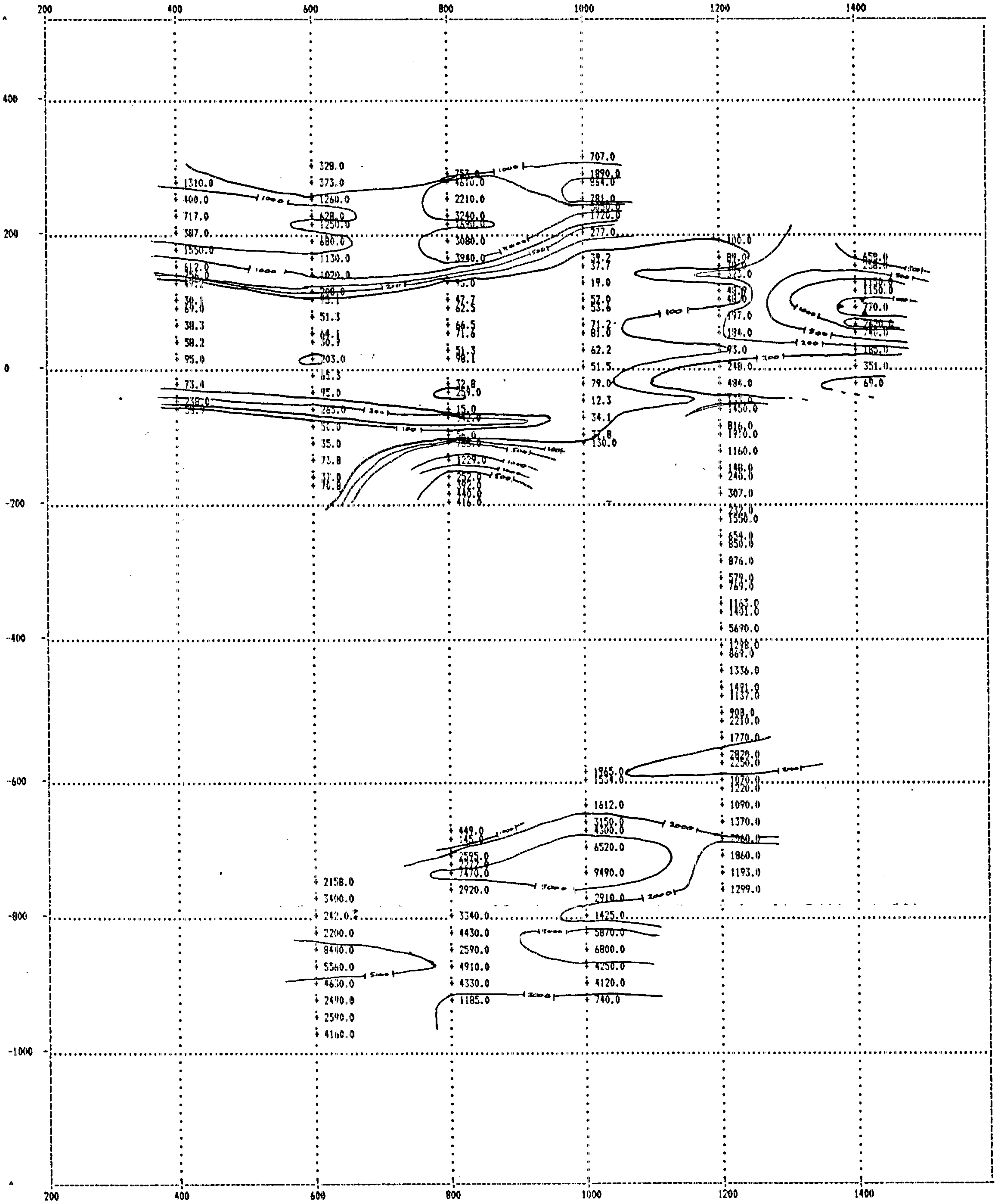


PLATE 19

KEEWATIN ENGINEERING INC. LANCE PROPERTY
INDUCED POLARIZATION SURVEY 5 A Spc:25,25,25,25,25 Eff.Sep:1,2,3,4,5 Field: RHO Sep: 1 DATE:90.07.20 Scale 1:5000 User:JH
Scott Geophysics Ltd.

CONTOUR INTERVAL 1,2,5 PER DECADE

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,489 (5)

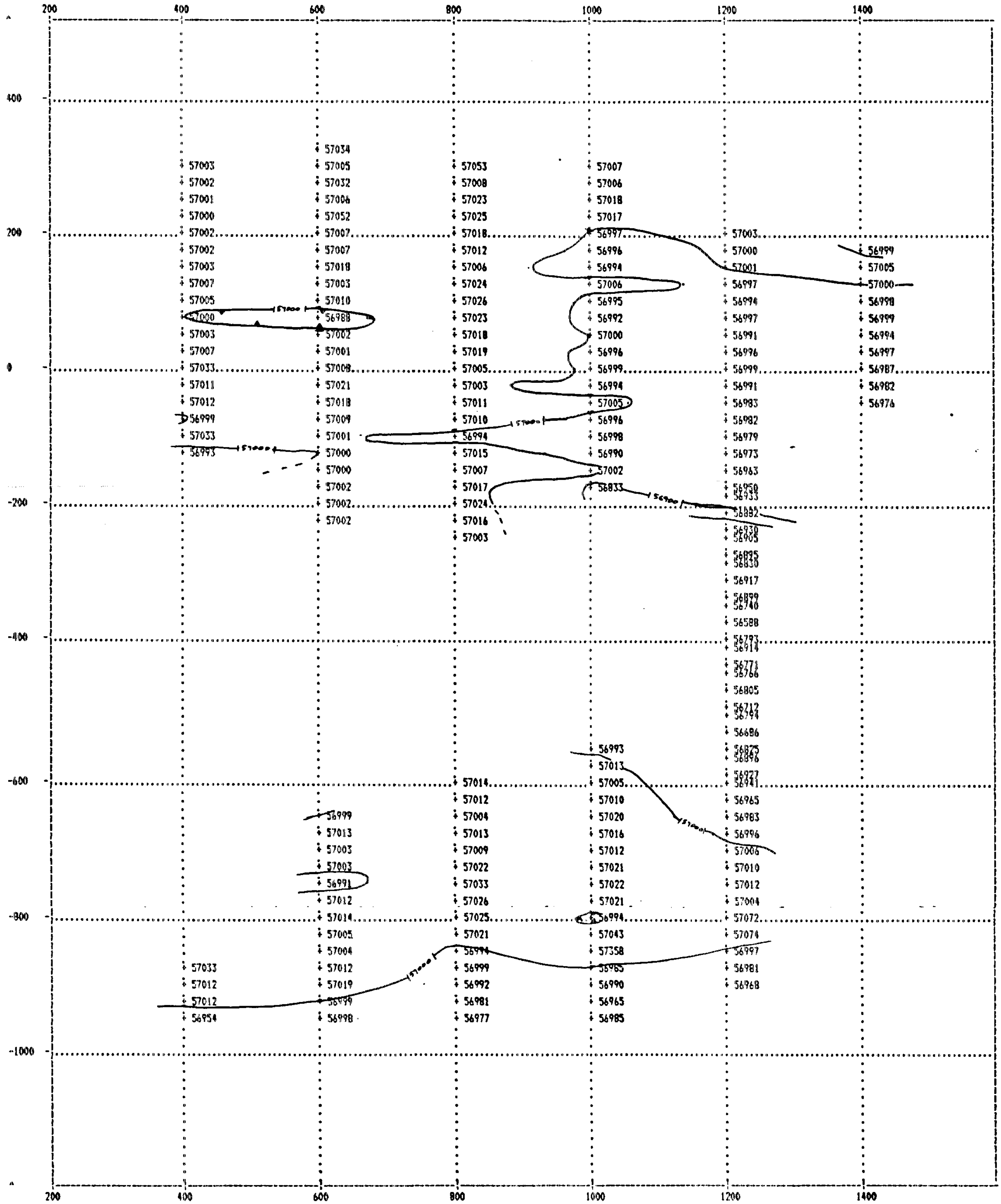


PLATE 20

KEEWATIN ENGINEERING INC.

LANCE PROPERTY

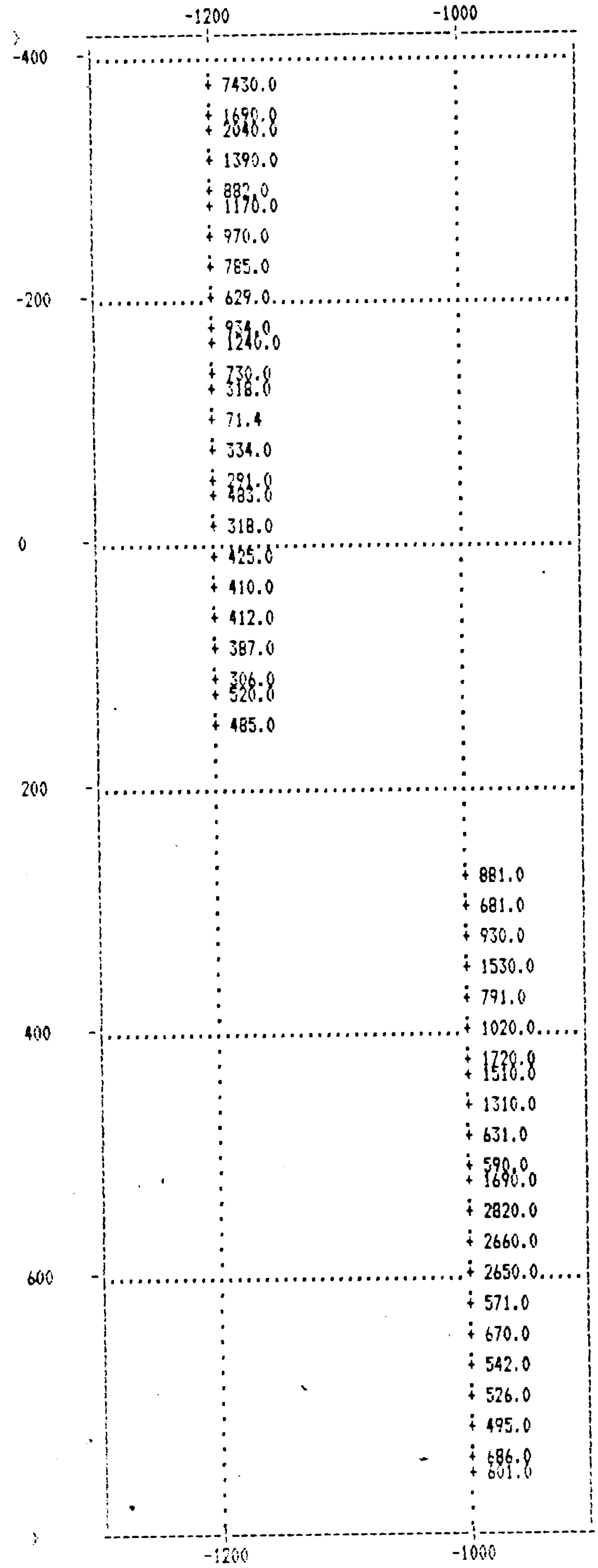
File: MAGMAP.CLM
Field: MAG   Date: 90.07.20
Scale 1:5000   User: JH

Scott Geophysics Ltd.

CONTOUR INTERVAL 100 nT

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,489 (6)



KEEWATIN ENGINEERING INC.
LANCE PROPERTY

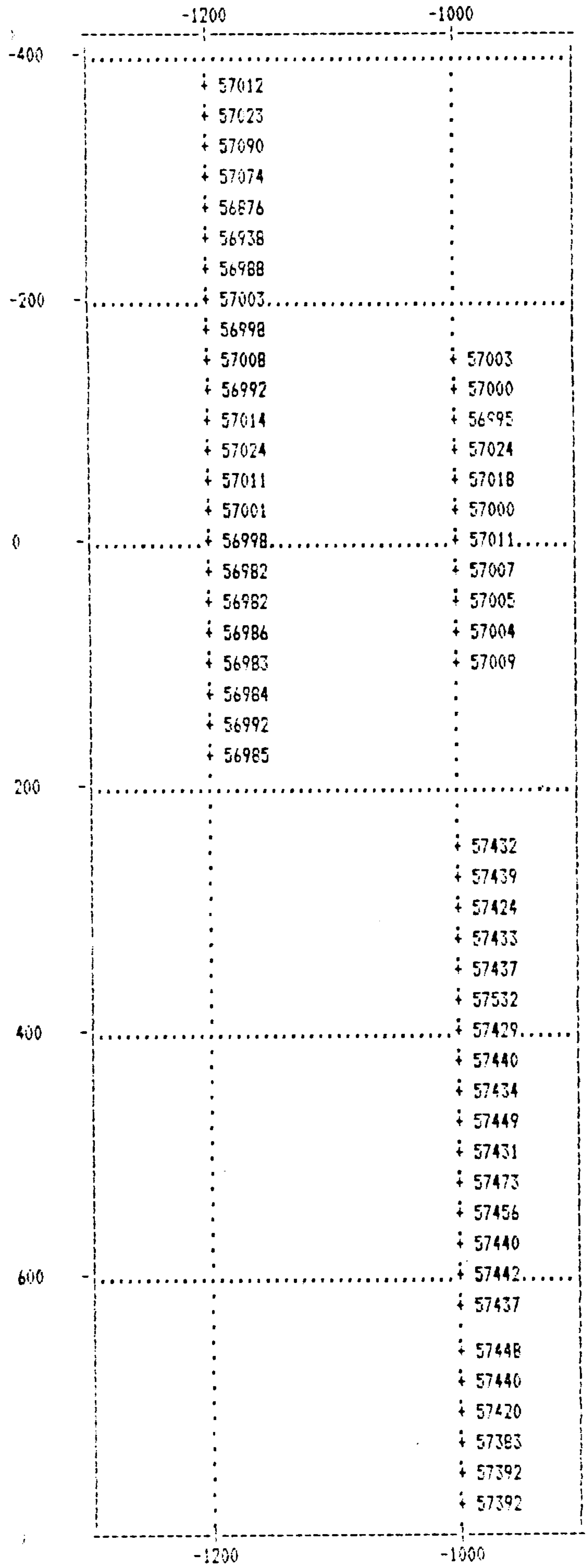
INDUCED POLARIZATION SURVEY
5 A Spc:25,25,25,25,25 Eff.Sep:1,2,3,4,5
Field: RHO Sep: 1
DATE:90.07.31
Scale 1:5000 User:JH

Scott Geophysics Ltd.

PLATE 21

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,489

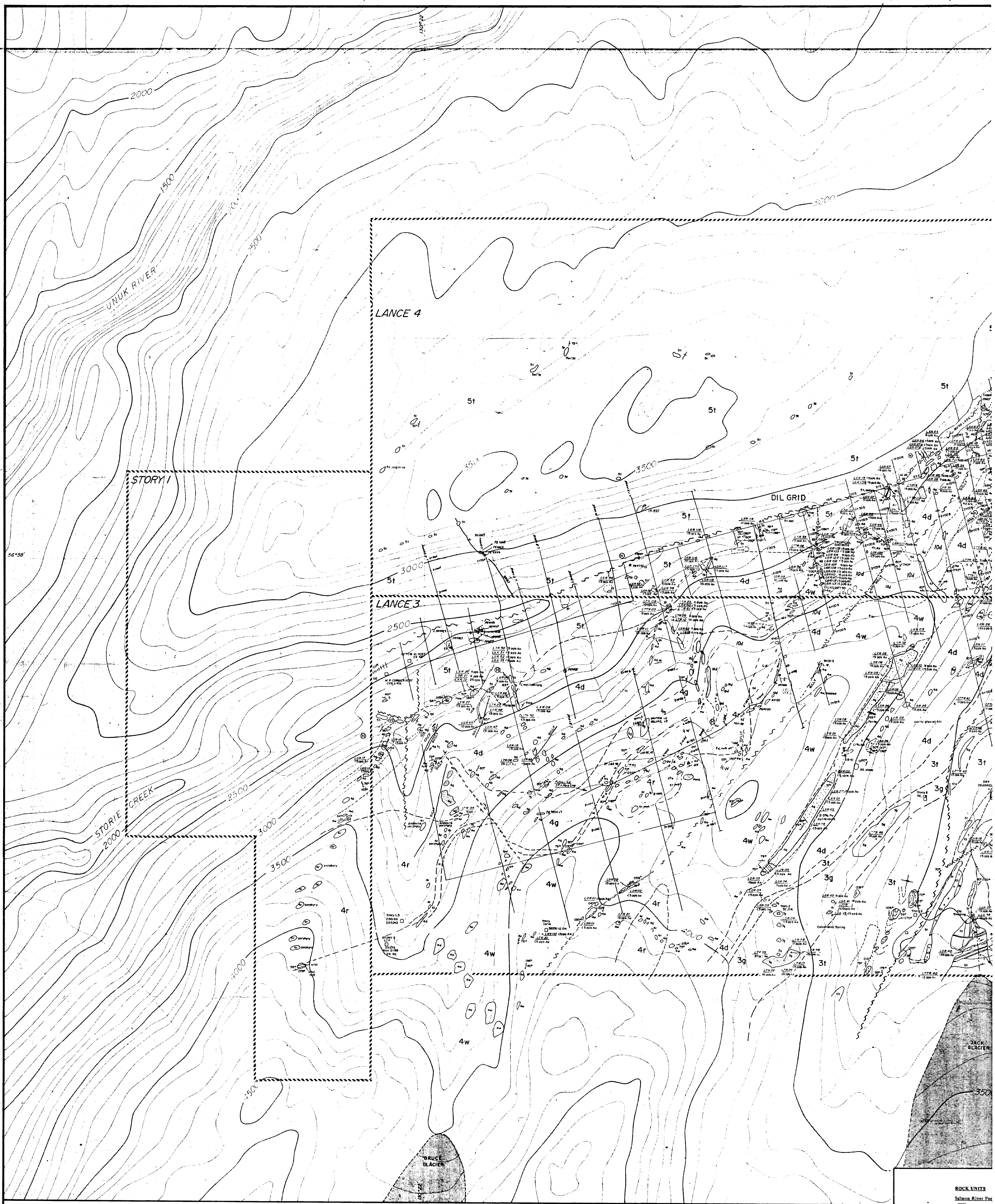


KEEWATIN ENGINEERING INC.

LANCE PROPERTY (JACK CREEK)
File: 9031M06.CLN L1000SMA.CLN
Field: MAG Date: 90.07.31
Scale 1:5000 User:JH

Scott Geophysics Ltd.

PLATE 22



21,489 7(a)

ROCK UNITS

Salmon River For

5t Fine, rhyt

Mount Dilworth I

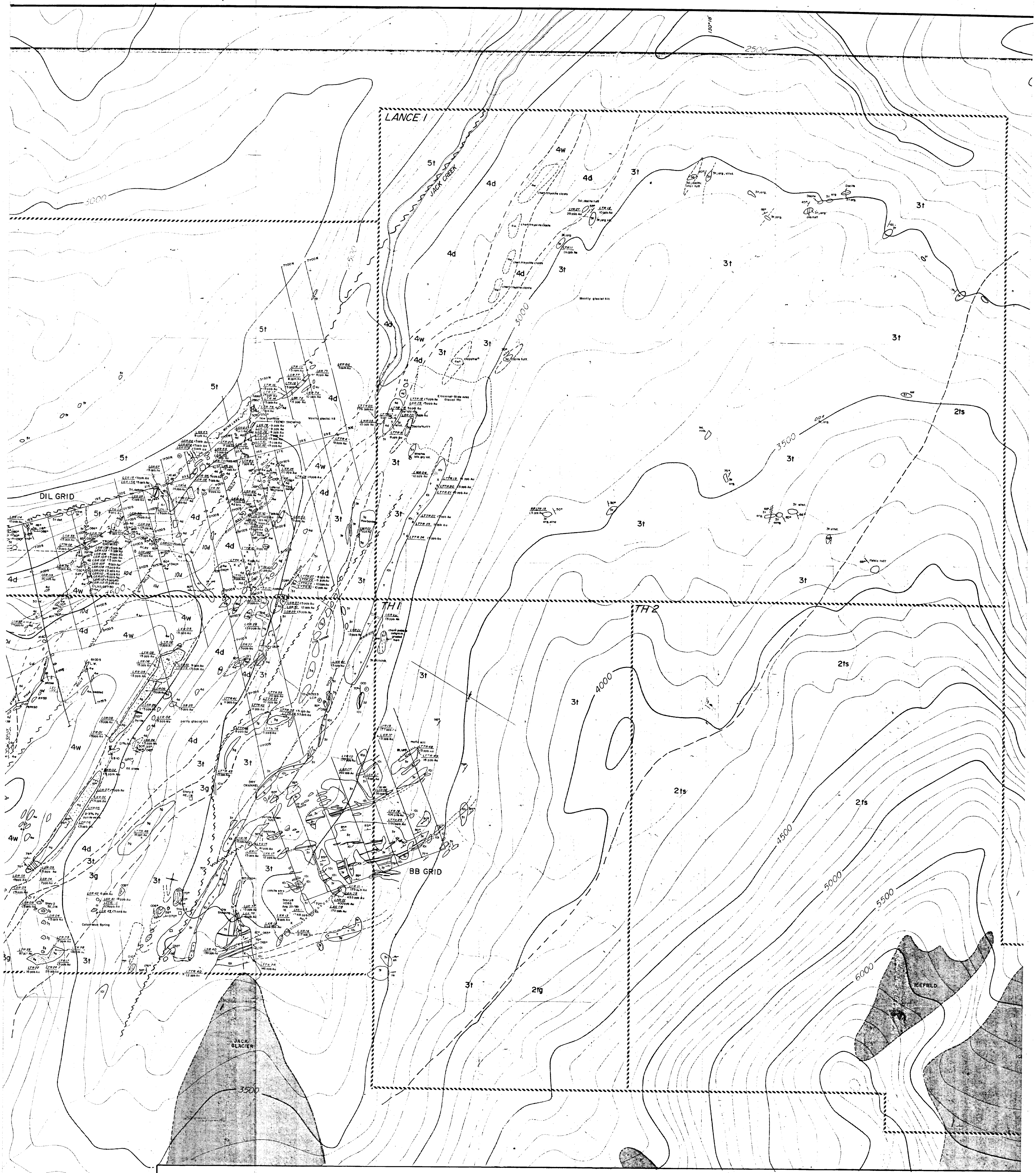
4r Andesite:

4t Black to li

4d Intermedi finely ba disseminat

4g Felsic vc Tuffs mas

4w Lithic w clastic v Interbedd



LEGEND

ROCK UNITS

Salmon River Formation

- **5t** Fine, rhythmically bedded siltstone and shale

Mount Dilworth Formation

- **4r** Andesite: porphyritic with plagioclase laths to aphanitic dark green to black
- **4l** Black to light grey limestone and calcareous siltstone
- **4d** Intermediate volcanic flows and lithic tuffs. Flows massive to vesicular, tuffs finely banded to massive. Variable pyrite content; fine grained massive to disseminated.
- **4g** Felsic volcanic flows and lithic tuffs. Flows massive to locally vesicular. Tuffs massive to poorly banded.
- **4w** Lithic wacke conglomerate and tuff: polymictic, extremely variable volcaniclastic wacke ranging from fine grained to boulder sized conglomerate. Interbedded with intermediate tuffaceous lenses.

Betty Creek Formation

- **3t** Black, thinly bedded siltstone, shale, argillite.
- **3d** Intermediate volcanic flows and lithic tuffs; grey, green-maroon massive to well banded, occasionally feldpsar phyric.
- **3g** Felsic volcanic flows: light grey, occasionally flow banded.

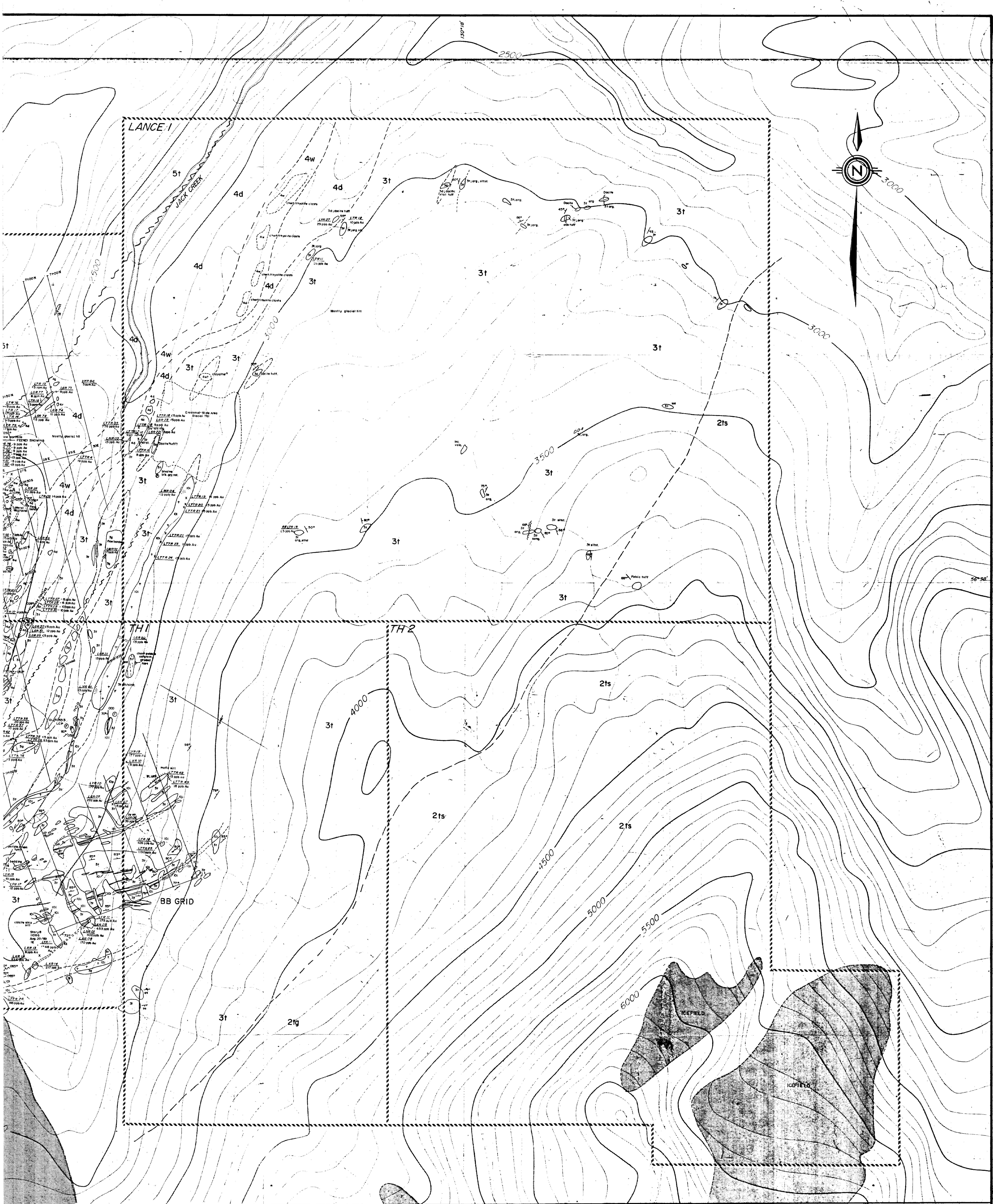
Intrusives

- **10i** Intermediate fine grained volcanic dykes and sills. Locally pyritic.
- **10a** Aplite dykes, sills: irregular contacts, widths to 1 m.
- **10m** Mafic sill: dark fine grained matrix, disseminated pyrite.

SYMBOLS

- 70 030 Strike and dip; bedding, flows
- 60 Joints, fractures
- Foliation
- Gossan
- 21 Veining
- Flow banding
- Ⓕ Fossil location
- Ⓗ Helicopter accessible landing site

21489 ⑦ (b)



LEGEND

...mation

...hmically bedded siltstone and shale

...Formation

... porphyritic with plagioclase laths to aphanitic dark green to black

...ight grey limestone and calcareous siltstone

...ate volcanic flows and lithic tuffs. Flows massive to vesicular, tuffs ...nded to massive. Variable pyrite content; fine grained massive to ...ted.

...lcanic flows and lithic tuffs. Flows massive to locally vesicular. ...sive to poorly banded.

...acke conglomerate and tuff: polymictic, extremely variable volcani-...vacke ranging from fine grained to boulder sized conglomerate. ...ed with intermediate tuffaceous lenses.

Betty Creek Formation

3t	Black, thinly bedded siltstone, shale, argillite.
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SYMBOLS

- 70 030 Strike and dip; bedding, flows
- 60 Joints, fractures
- Foliation
- Gossan
- 21 Veining
- Flow banding
- F Fossil location
- H Helicopter accessible landing site

7

WINSLOW GOLD CORP. / SOLOMON RESOURCES LTD.	
LANCE PROPERTY	
GEOLOGY & ROCK GEOCHEM(Au)	
DATE: MAR. 1990	NTS: 104 B/9
PROJECT: LANCE	PROJECT GEOLOGIST: S. GIBSON
SCALE: 1:5,000 0 50 100 150 200 250 METRES	
KEEWATIN ENGINEERING INC.	MAP No. 1

21489 (7)(c)

GEOLOGICAL BRANCH

UNUK RIVER
STORIE CR
LANCE 4
LANCE 1
LANCE 3
3000
3500
2500
56°38'
130°20'
BL 0+00
BL 9+50 S
LEGEND
o Soil Sample
LN127 Sample Number
0 100 200 300 400 500 m
GEOLOGICAL BRANCH ASSESSMENT REPORT
21,489
SOLOMON RESOURCES LTD.
LANCE PROPERTY
SOIL SAMPLE LOCATIONS
DATE: JUNE 1991
NTS: 104B/9W
PROJECT:
BY:
SCALE: 1 : 5,000
Keewatin Engineering Inc.
MAP No. 2

UNUK RIVER
STORIE CR
LANCE 4
LANCE 1
LANCE 3
56°38′
130°20′
3000
3500
2500
N
LEGEND
Soil Sample
Soil Samples Au(ppb)
<= 12
13 - 16
17 - 23
24 - 32
> 32
0 100 200 300 400 500 m
GEOLOGICAL BRANCH ASSESSMENT REPORT
21,489
SOLOMON RESOURCES LTD.
LANCE PROPERTY
SOIL GEOCHEMISTRY (Au)
DATE: JUNE 1991
NTS: 104B/9W
PROJECT:
BY:
SCALE: 1 : 5,000
Keewatin Engineering Inc.
MAP No. 3a


UNUK RIVER
STORIE CR
LANCE 4
LANCE 1
LANCE 3
2500
3000
N
LEGEND
Soil Sample
Soil Samples Ag(ppm)
<= 0.8
0.9 - 1.0
1.1 - 1.4
1.5 - 2.0
> 2.0
0 100 200 300 400 500 m
GEOLOGICAL BRANCH ASSESSMENT REPORT
21,489
(10)
SOLOMON RESOURCES LTD.
LANCE PROPERTY
SOIL GEOCHEMISTRY (Ag)
DATE: JUNE 1991
NTS: 104B/9W
PROJECT:
BY:
SCALE: 1 : 5,000
Keewatin Engineering Inc.
MAP No. 3b

UNUK RIVER
STORIE CR
LANCE 4
LANCE 1
LANCE 3
BL 0+00
BL 9+50 S
2500
3000
3500
LEGEND
Soil Sample
Soil Samples As(ppm)
<= 91
92 - 116
117 - 156
157 - 181
> 181
0 100 200 300 400 500 m
GEOLOGICAL BRANCH ASSESSMENT REPORT
21,489
SOLOMON RESOURCES LTD.
LANCE PROPERTY
SOIL GEOCHEMISTRY
(As)
DATE: JUNE 1991
NTS: 104B/9W
PROJECT:
BY:
SCALE: 1 : 5,000
Keewatin Engineering Inc.
MAP No. 4a

UNUK RIVER
STORIE CR
LANCE 4
LANCE 1
LANCE 3
BL 0+00
BL 9+50 S
2500
3000
3500
56°38'
130°20'
N
LEGEND
Soil Sample
Soil Samples Cu(ppm)
<= 60
61 - 73
74 - 88
89 - 103
> 103
0 100 200 300 400 500 m
GEOLOGICAL BRANCH ASSESSMENT REPORT
21,489
SOLOMON RESOURCES LTD.
LANCE PROPERTY
SOIL GEOCHEMISTRY (Cu)
DATE: JUNE 1991
NTS: 104B/9W
PROJECT:
BY:
SCALE: 1 : 5,000
Keewatin Engineering Inc.
MAP No. 4b


UNUK RIVER
STORIE CR
56°38'
LANCE 4
LANCE 1
LANCE 3
LEGEND
Soil Sample
Soil Samples
Zn(ppm)
<= 140
141 - 225
226 - 380
381 - 590
> 590
0 100 200 300 400 500 m
GEOLOGICAL BRANCH
ASSESSMENT REPORT
21,489
SOLOMON RESOURCES LTD.
LANCE PROPERTY
SOIL GEOCHEMISTRY
(Zn)
DATE: JUNE 1991
NTS: 104B/9W
PROJECT:
BY:
SCALE: 1 : 5,000
Keewatin Engineering Inc.
MAP No. 4C