Trenching, Geophysical and Geological Report

- on the -

Lara Property

Victoria Mining Division, British Columbia

Latitude: 48° 53'N Longitude: 123° 52' W

N.T.S. 92B/13W

- for -

ABERFORD RESOURCES LTD.,

300 - 5th Avenue S.W.,

Calgary, Alberta

Part 1 of 4

11,123

Prepared by:

G. BELIK AND ASSOCIATES LTD.,

664 Sunvalley Drive,

Kamloops, B. C.

Gary D. Belik, M. Sc.,

March 22, 1983

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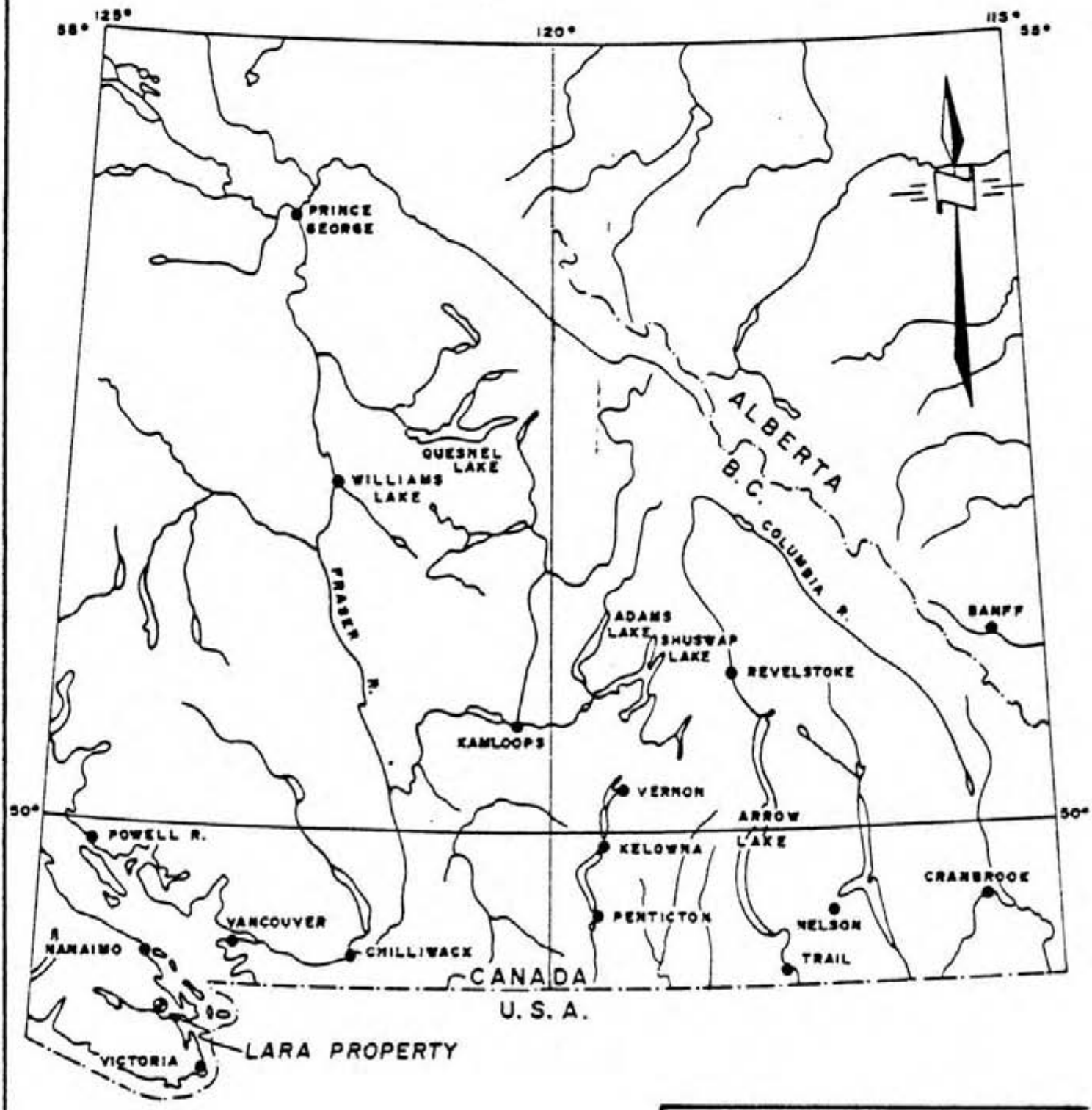


ABERFORD RESOURCES LTD.	
LOCATION MAP	
LARA PROPERTY	
VICTORIA MINING DIVISION, BRITISH COLUMBIA	
Date : December, 1982.	Scale : 1" = 64 Miles

SUMMARY

The Lara Property is predominantly underlain by steeply dipping, strongly deformed basaltic to rhyolitic volcanic rocks of the Paleozoic Sicker Group. This sequence, which includes narrow interbeds of volcaniclastic sediment, chert and grey to black slate, is intruded by dykes and sills of intermediate to basic composition.

The Lara Property has a good potential for hosting massive sulphide deposits similar to those at Buttle Lake and the Tyee/Lenora deposit near Mt. Sicker. The western boundary of the property is within 2 kms of the Tyee/Lenora deposit and the claim area is underlain by the same sequence of felsic volcanic rocks which are intimately associated with these deposits.

The results of preliminary exploration programs carried out in 1981 and 1982 have been encouraging. Numerous geophysical and geochemical targets have been defined. Trenching, which has been carried out within some of the anomaly areas, has located several massive sulphide - type showings within or in close proximity to felsic volcanic units. Although the showings discovered to date are very small they demonstrate that 'ore - forming' processes were operative within the claim area. Thus assuming local, favourable geological conditions, larger deposits might also be expected to occur.

Further work is warranted. The next phase of exploration should include additional trenching to evaluate the remaining untested geophysical and geochemical anomalies and in order to test areas along the projected strike of the known showings. Following the trenching program, the main showings should be tested at depth by drilling.

INTRODUCTION

The Lara Property, consisting of the Fang, Silver 1 - 2, Solly and T.L. claims, is situated on Vancouver Island, B. C., approximately 16 kms northwest of the city of Duncan. A program consisting of detailed geological mapping, trenching, a magnetic survey totalling 45.7 kms, 37.6 kms of VLF-E.M. and 23.0 kms of I.P./Resistivity, was carried out on the property during the period October 7 to December 4, 1982. Work was supervised by G. Belik and Associates Ltd., 664 Sunvalley Drive, Kamloops, B. C.

This report discusses the geological setting of the property and describes the results of the trenching program and V.L.F.-Electromagnetic and Magnetic surveys. The soil survey, which was carried out under the direction of Mr. Berry Smee, geochemist for Aberford Resources, is discussed separately in a report by Mr. Smee. The results of the I.P./Resistivity survey are detailed in a report by Phoenix Geophysics Ltd.

LOCATION AND ACCESSIBILITY

The Lara Property is located in the Victoria Mining Division, B.C., approximately 13 kms northwest of the city of Duncan (N.T.S. 93B/13W). The claim area extends northwesterly from the Chemainus River to Chipman Creek, a distance of about 10 kms. The center of the claim group is situated at geographic co-ordinates 48°52'30" North Latitude and 123°52' West Longitude.

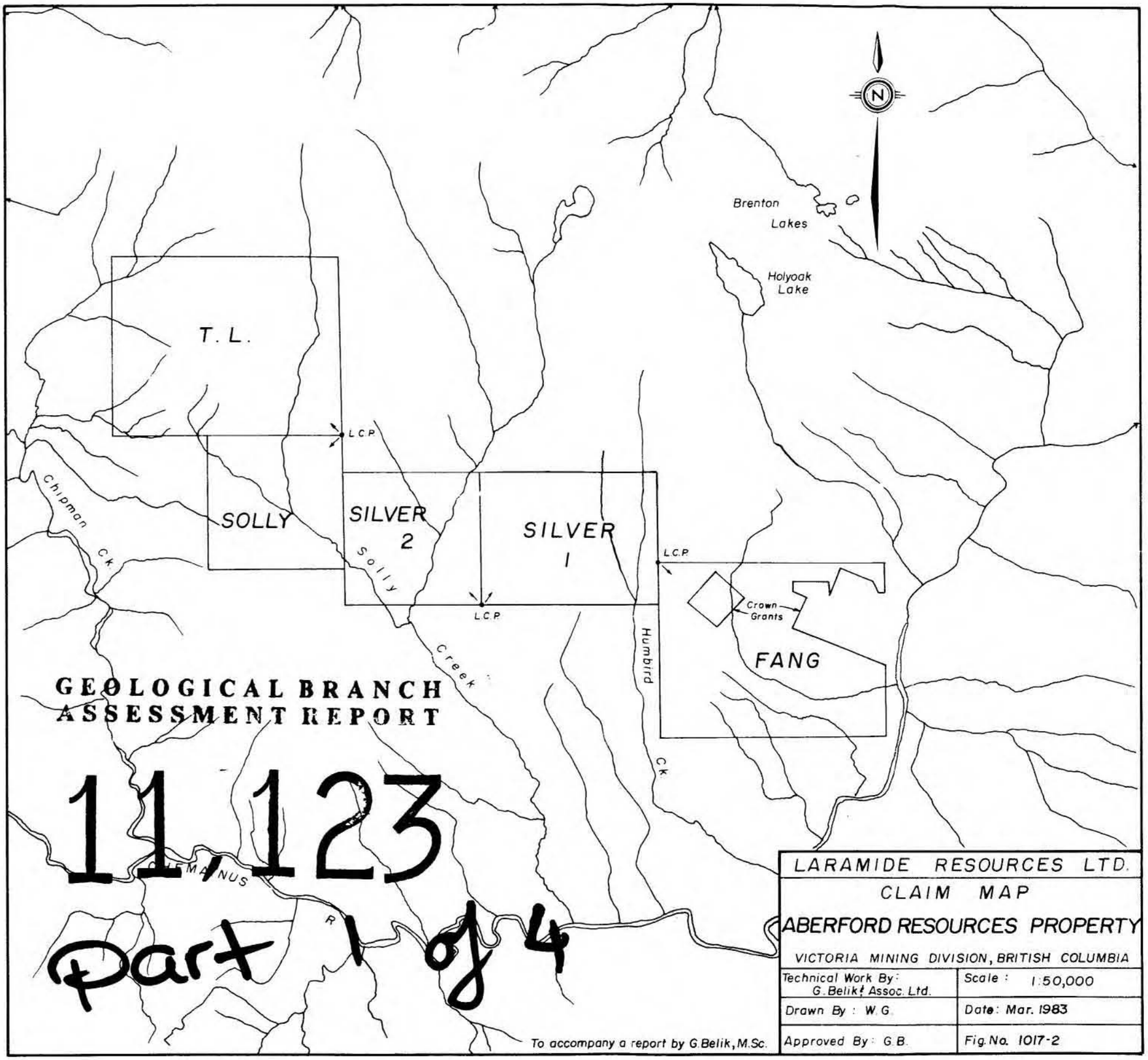
The eastern part of the claim group is traversed by a network of old logging roads which connect onto the MacMillan Bloedel, Chemainus River access road. A cleared power line right-of-way provides 4-wheel drive access to the western part of the claim group.

CLAIMS

The property is comprised of 5 contiguous claims totalling 70 units as detailed below:

Mining Division	Claim Name	Units	Record No.	Date Recorded
Victoria	Fang	20	534	May 8, 1981
"	Silver 1	9	535	May 8, 1981
"	Silver 2	12	536	May 8, 1981
"	Solly	9	537	May 8, 1981
"	T.L.	20	538	May 8, 1981

The above claims are held by Aberford Resources Ltd., 300 - 5th Avenue S.W., Calgary, Alberta through an option agreement with Laramide Resources Ltd., 904 - 675 West Hastings Street, Vancouver, B. C.


N
Brenton
Lakes
Holyoak
Lake
T. L.
L.C.P
SOLLY
SILVER
2
SILVER
1
L.C.P
L.C.P
Chipman
Ck
Solly
Creek
Humbird
Ck
Crown
Grants
FANG
GEOLOGICAL BRANCH
ASSESSMENT REPORT
11,123
Part 1 of 4
LAKE
LAMANUS
R
LARAMIDE RESOURCES LTD.
CLAIM MAP
ABERFORD RESOURCES PROPERTY
VICTORIA MINING DIVISION, BRITISH COLUMBIA
Technical Work By: G. Belik & Assoc. Ltd.
Scale : 1:50,000
Drawn By : W.G.
Date: Mar. 1983
Approved By : G.B.
Fig. No. 1017-2
To accompany a report by G. Belik, M.Sc.

PHYSIOGRAPHY AND VEGETATION

The Lara Property is situated along the southern flanks of Coronation Mountain, Mt. Hall and Mt. Brenton. Elevation of the property ranges from 160 meters to 960 meters. Relief generally is moderate with a relatively uniform southerly slope over most of the property. The eastern end of the property, immediately west of the Chemainus River, is steep with local precipitous bluffs.

Most of the property has been logged over the past 40 years. Vegetation now consists of dense stands of second growth spruce, fir, balsam and cedar.

GENERAL GEOLOGICAL SETTING

The Lara Property is underlain, for the most part, by rocks of the Paleozoic Sicker Group. The Sicker Group is a complex package of volcanic and sedimentary strata which underlies extensive areas of south and central Vancouver Island. The lithological characteristics of the group indicate formation within an 'island arc' environment in which volcanism was eposodic, basic to felsic in composition and often of an explosive nature. The group is strongly deformed (schistose varieties predominate) and has been regionally metamorphosed (Lower to Middle Greenschist Facies).

Muller (1980), has subdivided the Sicker Group into three formations which include, in order of increasing age:

Buttle Lake Formation: mainly limestone; locally interbedded with calcareous siltstone and chert.

Myra Formation: basic to felsic tuffs, breccias and flows; thinly bedded to massive argillite, siltstone and chert.

Nitinat Formation: basaltic lavas which are locally pillowed or agglomeratic; minor mafic tuff.

Within the region of the claim area Muller has also mapped a sequence of thinly bedded to massive argillite, siltstone and chert with interlayered sills of diabase. This sequence, termed the Sediment-Sill Unit, is thought to form a transitional zone between the Myra and Buttle Lake Formations.

The Sicker Group is host to several massive sulphide deposits including Westmin's Buttle Lake deposits and the Tyee/Lenora deposit near Duncan. These deposits are intimately associated with felsic volcanic rocks and show a close spacial relationship to centers of venting within the volcanic pile.

Westmin's Buttle Lake Mine has been operating since 1967 at a rate of about 300,000 tonnes per year. The total ore mined to date exceeds 4,000,000 tons at an average grade of 0.06 oz. gold, 3.0 oz. silver, 1.6 percent copper, 1.0 percent lead and 7.5 percent zinc.

Current reserves, including the newly discovered Deep Price Zone, probably exceed 18,000,000 tonnes. The mineralization at Buttle Lake consists of massive, banded, pyrite-pyrrhotite-chalcopyrite ore and banded barite-sphalerite-galena-chalcopyrite ore and generally occurs as conformable lenses within a sequence of felsic tuffs and flows. The barite ores contain significant precious metal values and locally are underlain by siliceous stockwork ore. Coarse felsic fragmental units are located in close proximity to some of the ore lenses.

The Tyee/Lenora Deposit is situated on the west flank of Mt. Sicker, about 2 kms southeast of the Lara Property. This deposit consists of two parallel, steeply dipping ore lenses about 50 meters apart. These lenses are conformably enclosed within a narrow band (150 meters ±) of cherty tuff and graphitic schist which occur within rhyolitic tuffs and flows. An area of felsic fragmentals occurs about 500 meters southwest of the ore zones.

The Mt. Sicker ore consists of two types which include:

1. Barite Ore (indistinguishable from Myra Zone ore at Western): - consisting of a fine-grained mixture of pyrite, chalcopyrite, sphalerite and galena in a gangue of barite, calcite and quartz. A finely laminated or banded appearance produced by layers of chalcopyrite and pyrite alternating with layers of sphalerite is characteristic of much of the ore.

2. Siliceous Ore: - consisting of massive quartz uniformly mineralized with chalcopyrite (10%) and minor galena and sphalerite. Siliceous ore occurs as lenticular masses within Barite Ore and may be analagous to the "Siliceous" or "Yellow" ore zones of Kuroko Deposits.

The Mt. Sicker deposits were discovered in the late 1800's and produced 253,000 tons of copper-gold ore between 1898 and 1909 at an average recovered grade of 0.14 oz. Au, 2.92 oz. Ag and 3.77 percent Cu. The ores also contain about 7% to 8% Zn which was not recovered because of the lack of demand for the zinc at that time. Most of this production was from the south ore zone which has a continuous length of more than 670 meters and an average width of 6 meters. Ore was mined over a vertical extent of about 70 meters. Below the level of mining lower grade (unspecified) ore was encountered which was found to extend to a depth of 300 meters below the level of mining on the Tyee claim. To the west the ore horizon grades into siliceous zones heavily impregnated with pyrite. The zone was not extensively explored to the east.

Sicker Group

Myra Formation

Within the area mapped, the Myra Formation consists predominantly of felsic volcanics. The most widespread lithologies are light green to white, schistose, feldspar and quartz - feldspar crystal and lapilli tuffs.

Felsic units occur interbedded with andesitic to basaltic tuffs, flows and agglomerate. Narrow beds of chert, graphitic slate and volcanic wacke locally are evident.

Intermediate to Basic Volcanics

Intermediate to basic volcanics have been mapped as Units 1a to 1d. Unit 1a, the most widespread lithology, consists of andesitic crystal and lapilli tuffs. The crystal tuffs contain 10% - 30% shattered feldspars, up to 3 mm in size, within a well foliated, medium to dark green, aphanitic to fine-grained groundmass. Crystal tuffs locally grade into lapilli tuff. The coarser fragmental texture of the lapilli tuff often is difficult to recognize.

Andesitic to basaltic agglomerate, mapped as Unit 1b, occurs interbedded with fine-grained felsic tuffs along the bed of Solly Creek 150 m to 300 m north of the 10N base line. The agglomerate is dark green and contains abundant subrounded to well-rounded 'bombs' a few cm to 10 cm in size. The agglomerate appears to grade laterally into the tuffs of Unit 1a.

From here it appears to extend westerly, in close proximity to the Nanaimo/Sicker contact, across Silver Creek to Solly Creek where it is overlain(?) by agglomerates of Unit 1b. Unit 2a has also been mapped within a large dacitic tuff horizon in the southeast corner of the T.L. claim.

Pale green to white, rhyolitic, quartz-eye, crystal and lapilli tuffs, mapped as Unit 2b, outcrop along the northern edge of the West Grid Area. Although similar to Unit 2a, Unit 2b is clearly of pyroclastic origin and locally displays well preserved lapilli and fragmental crystal textures. Lapilli tuff consists of 40% to 80% coarse, angular to rounded feldspar fragments and quartz eyes, up to 1 cm in size, in a foliated, finely crystalline, granular, quartz-feldspar-sericite groundmass. Locally, lapilli - size, angular to rounded, dense rhyolite fragments are evident.

Crystal tuffs are similar to lapilli tuffs but are finer grained and lack volcanic fragments.

Unit 2c consists of rhyolitic dust tuffs and fine crystal tuffs. These tuffs form pale green to white, very fine grained siliceous schists which generally display subtle compositional banding. Widely scattered, small quartz eyes, 1 mm to 2 mm in size, locally are evident.

Unit 2d consists of lustrous quartz-sericite schist. This unit is similar to Unit 2c but is distinguished from it by a stronger, more penetrative foliation. The unit locally contains small quartz eyes.

Coarse crystal tuff and lapilli tuff of dacite to ryodacitic composition have been mapped as Unit 2e. These tuffs, which are a pale to light green color, are texturally very similar to Unit 2b. Large quartz eyes are present but not abundant.

Fine to coarse - grained, dacitic, feldspar crystal tuffs (unit 2f) are abundant through the central part of the West Grid Area. This unit contains 20% - 60% shattered feldspar phenocrysts, 1 mm to 3 mm in size, within a green, foliated, aphanitic to fine granular feldspar - chlorite - sericite groundmass. Highly sheared varieties form lustrous sericite - chlorite schist.

Sediments

Within the area mapped the Myra Formation contains only minor sedimentary interbeds. These sediments include green volcanic sandstone and lithic wacke (Unit 3a) and dark grey to black slate, grey tuffaceous slate and chert (Unit 3b).

Black, possibly graphitic, slate was noted at three localities. This unit is exposed in Trench 16 and outcrops near the north end of line 58W and in a road cut west of line 74W. In the road cut, the slate, which is highly contorted, occurs within rhyolitic lapilli tuffs and contains lenses of grey, pyritic, cherty tuffite. On line 58W the slate unit is hosted by quartz-sericite schist and in trench 16, slate occurs interbedded with chlorite schist.

Dykes and Sills

In the vicinity of the road showing, the Sicker schists are cut by discontinous, altered, feldspar porphyry dykes. These dykes, which appear to post-date the main period of deformation, contain 5% to 15%, small feldspar phenocrysts within a dark green, finely crystalline, chloritized groundmass. The dykes locally display finer grained, possibly 'chilled' margins.

A large diorite/gabbro sill is poorly exposed across the northern end of the East Grid Area. Similar sills were noted in Silver Creek and in trench 82-10. At these latter locations the margins of the sills are highly sheared and merge gradationally with the enclosing Sicker Schists. The central part of the sills, which are only weakly deformed, consist of medium to coarsely crystalline mafic - rich diorite and gabbro.

Volcanic - Sediment - Sill Unit

Unit 5, which has been designated the Volcanic - Sedimentary - Sill Unit, extends along the north edge of the T.L. claim and underlies the southwest corner of the Solly claim. Within the area mapped this unit includes weakly deformed andesitic tuffs and flows, green lithic wacke and diorite.

Unit 5 corresponds to Muller's Sediment - Sill Unit. This sequence, which is inferred, by Muller, to form a transitional zone between the Myra and Buttle Lake Formations, is characterized, regionally, by chert, argillite and siltstone with interlayered sills of diabase.

Within the region of the Lara Property this sequence also includes andesitic volcanics. Because of this volcanic component, at least within the area of Lara Property, this unit has been redesignated as the Volcanic - Sedimentary - Sill Unit in this report.

Nanaimo Group

Black, thinly bedded to massive siltstones and shale and minor conglomerate of the Cretaceous Nanaimo Group are in fault contact with the Sicker schists along the south edge of the Fang, Silver 1 and Silver 2 claims. The westward extension of these sediments is cut off by a northwest-trending fault.

Regionally, the Nanaimo Group includes a thick basal conglomerate unit. About 2 kms west of the T.L. claim, remnants of this unit, unconformably overlying Sicker schists, are evident.

Structure

Small scale structures, which include a foliation, lineations and folds are developed within Units 1 to 3. The most prominent small scale structure is a penetrative crenulation foliation (S_1). This foliation, which is defined by the alignment of micas, has a relatively uniform northwesterly strike with vertical to steep northeasterly dips. Rare southwesterly dips were noted.

Lineations evident include a lineation defined by the intersection of S_1 and bedding, elongation of clasts and a wrinkle lineation on S_1 surfaces. These linear structures, designated L_1, strike northwest and are approximately horizontal.

Small scale subisoclinal folds are evident although rare. These folds display transposition along S_1, have attenuated limbs and are upright with axial planes parallel to S_1 and fold axes parallel to L_1.

Mineralization

Within the area of the Lara Property, the volcanics of the Myra Formation contain conformable, tabular zones of disseminated pyrite up to 100 meters wide. Mineralization of this type often occurs peripheral to many felsic volcanic - related massive sulphide deposits including the Tyee/Lenora deposit near Mt. Sicker and some of the Buttle Lake deposits.

On the Lara Property, pyrite within the pyritic horizons generally is fine grained and occurs evenly disseminated in amounts ranging from 2% - 20%. Pods and lenses of massive pyrite locally are evident.

The inferred distribution of the pyritic horizons within the area mapped is shown on Maps 1017-3 and 1017-4. These zones, which are poorly exposed, have been delineated for the most part by Induced Polarization and VLF - Electromagnetic surveys.

Small massive sulphide-type showings have been discovered in the central part of the Silver 2 claim and in the northwest corner of the Solly claim. These showings, which are associated with felsic volcanics, appear to be hosted within 2 separate pyritic horizons. Pyritic schists peripheral to the showings generally contain anomalous concentrations of copper, lead and zinc and locally barium, gold and silver.

Trench 82-19 Showing

Trench 82-19 is located along the projected strike of the road showing about 200 meters to the northwest. This trench, which is about 50 m long, exposed pyritic felsic tuffs with one narrow interbed of chlorite schist. Near the south end of the trench a small lense of massive sulphide, approximately 10 cm wide, was exposed. This lense, which contained 70% - 75% crudely banded sulphides (black sphalerite, pyrite and chalcopyrite) in a siliceous gangue, assayed 3.46% Cu, 0.62% Pb, 10.83% Zn, 8.93 oz Ag per tonne and 0.005 oz Au per tonne.

Rock chip samples were taken over most of the exposed length of the trench. Highly anomalous values in gold, silver, copper, lead and zinc were obtained (see Fig. 1017-15). Gold values were especially surprising and yield a weighted average of 742 ppb along the 25.4 meters of trench sampled.

Trench 82-4 Showing

Trench 82TR-4 is situated about 30 m east of line 68W between stations 15-50N and 16-00N. This trench, which tested a VLF-E.M. anomaly, exposed two pyritic zones within sericite - chlorite and chlorite - sericite schists. The southern zone, which is about 12 m wide, occurs directly above(?) a dark green chloritic schist unit. Adjacent to the chlorite schist, a 5 meter-wide section of the southern pyritic zone geochemically assayed about 0.5% Cu. This section is strongly pyritic and contains abundant pods and laminations of semi-massive to massive pyrite.

This section also contains 2 conformable bands of highly siliceous semi-massive sulphide, 30 cm to 40 cm wide. The southern band, which was better exposed, assayed 2.25% Cu.

Trench 82-10 Showing

Trench 82-10 tested the same VLF anomaly as trench 82-4, 200 meters to the northwest. This trench exposed a strongly pyritic zone, 9 meters wide, very similar to the pyritic zone exposed near the south end of trench 82-4. As in trench 82-4, this pyritic zone occurs adjacent to a dark green chloritic schist unit.

The pyritic schists in trench 82-10 contain a band of highly siliceous semi-massive sulphide, 30 cm wide. Although this band contains less copper it is virtually identical to the siliceous massive sulphide beds exposed in trench 82-4.

VLF - ELECTROMAGNETIC SURVEY

In total, 37.6 line - kilometers of grid was surveyed by V.L.F.-E.M. The station interval was 25 meters.

The electromagnetic survey was carried out utilizing a Saber Model 27 VLF-E.M. receiver manufactured by Saber Electronic Instruments Ltd., 4245 E. Hastings Street, Vancouver, B. C. This instrument measures the relative strength and dip of electromagnetic fields transmitted by radio stations in the 15 - 25 KH_z range. These 'primary fields' are horizontal but can be disrupted by the presence of electrical conductors and by local topographic relief. Disruptions caused by conductors are caused by 'secondary fields' which are induced by the primary field. The tilt of the secondary field can be obtained by measuring the angle of null (minimum signal) in a vertical plane, normal to the wave front of the primary field.

The relative strength and magnitude of the secondary field caused by a conductor can be affected by many factors which include:

1. Conductivity of the conductor.
2. Width of the conductor.
3. Length of the conductor.
4. Depth of the conductor.
5. Orientation of the conductor relative to the transmitter station.
6. Frequency of the transmitter.

For tabular, elongate bodies maximum coupling and hence the strongest secondary electromagnetic field is obtained when the conductor is aligned normal to the primary wave (ie. conductor points to the transmitting station). There is virtually no coupling when conductors are aligned parallel to the primary field.

Local topographic relief can also cause a tilting of the primary field and lead to anomalous responses along ridge crests or along a sharp break-in-slope. In theory topographic anomalies can be eliminated by a lack of a corresponding increase in field strength values which generally are associated with bedrock conductors. However, this is not always the case and care must be taken when interpreting V.L.F. anomalies within areas of moderate to steep topographic relief.

Presentation of Results

For this survey the transmitting station utilized is located at Seattle, Washington (24.8 KH_z). The dip angles and relative field strength values obtained during the survey are listed in Appendix II. Drawings 1017-5 and 1017-6 are contour maps of the filtered dip angles for the East Grid Area and West Grid Area respectively and show definite (solid), probably (long dash) and possible (short dash) conductor axes.

The filtering technique utilized was developed by D. C. Fraser (Geophysics, V.34, No. 6, P. 958-967: 1969).

Briefly summarized, this technique converts anomalous cross-overs and inflections into positive values by a simple mathematical treatment of the dip angle data. This technique overcomes the difficulty, in many cases, of interpreting profiles and enables the data to be plotted in plan form with conductor areas defined by contours.

Discussion of Results

Numerous anomalies were defined within the survey area. Based on the general magnitude of anomalous inflections and on corresponding field strength values conductors have been categorized as definite, probably and possible A few anomalies appear to be caused solely by changes in topography and are indicated as such on maps 1017-5 and 1017-6.

Conductors identified within the area surveyed, which have been numbered 1 through 28 on maps 1017-5 and 1017-6, are discussed separately below.

East Grid Area

Conductors 1 & 2 - Conductor 1, which extends across the south edge of the East Grid area, between lines 24W and 54W, and conductor 2, which occurs along the projected strike of conductor 1 to the southeast, correspond closely to the inferred contact between the shales and siltstones of the Nanaimo Group to the south and the Sicker schists to the north.

Results of the I.P./Resistivity survey suggest that this contact is not a discrete conductive zone but rather a major resistivity boundary; resistivities south of conductors 1 & 2 are about an order of magnitude lower than resistivities north of conductors 1 & 2

Conductors 3, 4, 5, 6 & 7 - Conductors 3 to 7 correlate with a wide strong I.P. anomaly which was traced easterly through the central part of the East Grid area to Humbird Creek. This anomaly appears to reflect a strongly pyritic horizon (in part confirmed by trenching) which is stratigraphically centered about 250 meters north of the road showing. Conductors delineated within this zone occur as a series of en-echelon segments. These segments may define areas of higher sulphide concentrations.

Conductors 8, 9 & 10 - Conductors 8, 9 & 10 occur east of Humbird Creek, along the projected strike of the pyritic horizons associated with conductors 3 to 7. Pyritic felsic tuffs outcrop in close proximity to the trace of the conductors.

Conductor 11 - Conductor 11 is an apparent single-line conductor which was defined on line 48W about 150 meters north of the Nanaimo/ Sicker contact. The area of the conductor is concealed by overburden.

Conductors 12 & 13 - The trace of conductor 12 across Silver Creek coincides with a zone of strongly pyritic rhyolitic tuffs. Along the right bank of Silver Creek, in the vicinity of two old adits, this zone contains small lenses of massive pyrite.

Conductor 13 may be a northwest continuation of Conductor 12. Pyritic, felsic tuffs, similar to those exposed in Silver Creek, outcrop along the western end of this zone.

Conductor 14 - Conductor 14 extends from line 42W, 5N to line 36W, 2+80N. This conductor, which is concealed by overburden, is locally associated with soils anomalous in copper and occurs along the projected strike of the road showing.

Conductor 15 - This possible bedrock conductor is situated east of Humbird Creek (line 22W) at about the same stratigraphic level as conductor 14. The area is heavily drift covered.

Conductors 16 & 17 - The trace of conductors 16 and 17 correspond to the inferred southern contact of the large diorite/gabbro sill which underlies the northern part of the East Grid Area.

Conductor 18 - Conductor 18 appears to occur within the diorite/gabbro sill. If of bedrock origin, this conductor probably reflects a fault or shear zone.

Conductor 19 - Conductor 19 is characterized by a very broad cross-over with elevated field strength values. If of bedrock origin, this conductor could mark the northern boundary of the diorite/gabbro sill.

West Grid Area

The northwestern extension of several conductors in the southern part of the West Grid area could not be delineated because of interference from a major power line which crosses the southwest corner of the grid area (follows the power-line road noted on Map 1017-6).

Conductor 3 - This conductor extends from the East Grid area through the West Grid area. In the West Grid Area the conductor is weak and poorly defined between lines 52W and 58W and sharp and well defined west of line 58W.

Conductor 3 was trenched on line 60W (TR82-11 & 12), in the vicinity of line 66W (TR82-4) and on line 68W (TR82-10). All these trenches exposed pyritic schists. Trenches 82-4 and 82-10, as previously noted, also exposed narrow lenses of siliceous massive sulphide with appreciable copper.

Conductor 20 - Conductor 20 was traced from the south end of line 58W to line 64W, 10+50N. The southeast end of the conductor parallels Solly Creek.

The trace of conductor 20 approximates the inferred contact between the Myra Formation and the Volcanic - Sedimentary - Sill Unit.[1] The nature of this contact is uncertain although a fault is suspected.

Conductor 21 - This zone occurs just south of, and parallel to conductor 3. It is characterized by sharp, strong cross - overs with high, corresponding, field strength values.

The source of conductor 21 has not been established. The anomaly was trenched on lines 58W and 64W, to a depth of 6 m, without reaching bedrock.

Conductor 22 - Conductor 22, which is sharp and well defined, extends across the grid area about 400 m north of conductor 3. Trench 82-18, which tested the east end of the conductor, exposed highly pyritic, altered, andesitic tuffs. Trenches in the central part of the conductor failed to reach bedrock.

Conductor 23 - Conductor 23 was traced from line 58W, 21N to line 68W, 25N. The strongest cross-over was on line 62W centered at about 22-50N. This area was trenched without reaching bedrock. Trench 82-16, which is located east of line 58W, did reach bedrock and exposed black slate interbedded with chlorite schist.

Conductor 24 - Conductor 24 arcs across the northern part of the grid area. The conductor appears to be stronger West of line 64W.

Conductor 25 - This zone, which extends west from the north end of line 58W to about line 62W, is weak and poorly defined.

Conductors 26 & 27 - These anomalies, which are of uncertain origin, are characterized by broad cross - overs with strong corresponding field strength values. Outcrops in the vicinity of the anomalies are predominantly coarse rhyolitic tuffs.

Conductor 28 - A possible bedrock conductor was detected at the north end of lines 66W and 70W. The trace of this zone approximates the inferred contact between the Myra Formation to the south and the Volcanic - Sedimentary - Sill Unit to the north.

PROTON MAGNETIC SURVEY

A magnetic survey was carried out over most of the Grid area utilizing a GeoMetrics 'Unimag', portable, proton magnetometer (Model G-830). The Unimag measures the total intensity of the earth's magnetic field over a range of 20,000 to 100,000 gammas with an accuracy of $\pm$ 10 gammas.

Procedure

For the magnetic survey, readings were taken at 25 meter intervals along lines 8W to 70W inclusive. Where gradients were steep readings were taken at 12.5 meter intervals. In total, 45.7 line-kms of grid were surveyed.

Prior to beginning the survey the magnetometer was tuned to the local magnetic field (60,000 gammas). During the course of the survey,

a base station magnetometer was established within the grid area in order to correct for diurnal variation.

Presentation of Results

The results of the magnetic survey are presented in Maps 1017-7 (East Grid) and 1017-8 (West Grid) at a scale of 1:5000. Isomagnetic contours are drawn at an interval of 200 gammas.

Discussion of Results

Magnetic relief within the surveyed area varies from a low of 56,030 gammas to a high of 57,000 gammas. Salient features of the observed magnetic pattern are:

1. In general, magnetic relief within the surveyed area is low with a relatively uniform background of between 56,300 gammas and 56,500 gammas.
2. There is poor correlation between the observed magnetic pattern and the underlying bedrock geology.
3. Areas of relative mag 'highs' and relative mag 'lows' have a poor line-to-line correlation.

TRENCHING

During the 1982 program several geophysical anomalies were trenched. In total 19 trenches and test pits were completed utilizing a Bantam C266 excavator-type backhoe owned by Tidewater Marine Contracting Ltd., of Duncan, B. C. This machine is capable of reaching depths of up to 6.5 meters.

The location of the trenches and test pits, their depth, targets tested and bedrock types, where exposed, are summarized in Table 1. Trenches where bedrock was reached are illustrated in plan form in Figures 1017-9 to 1017-15, inclusive.

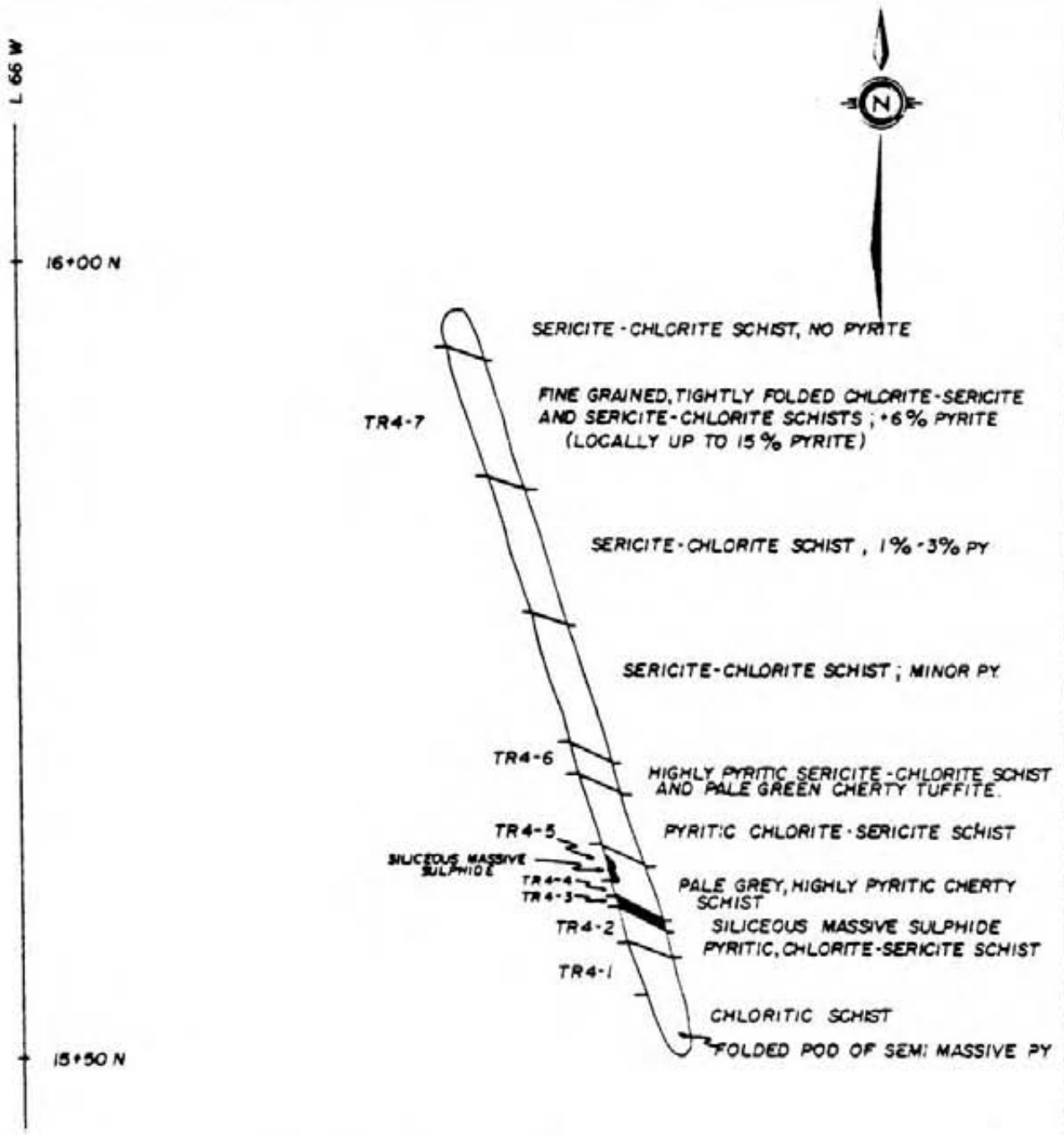
TABLE 1

SUMMARY OF 1982 TRENCHING RESULTS, LARA PROJECT

Trench	Grid Co-Ordinates	Depth	Length	Target Tested	Bedrock	Mineralization
82-1	64+00W; 12+65N	6.0m	6.0m	Conductor 21	Not reached	--
82-2	64+00W; 12+40N	6.5m	6.0m	Conductor 21	Not reached	--
82-3	65+00W; 13+00N	6.5m	6.0m	Conductor 21	Not reached	--
82-4	65+65W; 15+75N	1.5m-4.0m	49m	Conductor 3, I.P. Anomaly F	Chlorite schist, Sericite-Chlorite Schist Chlorite-Sericite Schist	Cu bearing pyrit schists with sm. lenses of silic eous massive sulphide.
82-5	64+00W; 19+10N	6.0m	6.0m	Conductor 22	Not reached	--
82-6	64+00W; 19+30N	6.0m	6.0m	Conductor 22	Not reached	--
82-7	62+00W; 22+30N	6.0m	6.0m	Conductor 23	Not reached	--
82-8	62+00W; 22+55N	6.0m	6.0m	Conductor 23	Not reached	--
82-9	68+00W; 26+50N	3.5m	31m	Conductor 24 I.P. Anomaly B	Chlorite Schist, Dacite Crystal Tuff Rhyolite	4.0m zone of strongly pyritic (10%) schist
82-10	68+00W; 16+75N	1.5m-2.5m	48m	Conductor 3 I.P. Anomaly F	Chlorite Schist, Dacite Crystal Tuff Rhyolite Cl-Se schist Gabbro/Diorite	Similar to TR82 4
82-11	60+00W; 11+80N	2.5m	23m	Conductor 3 I.P. Anomaly F	Chlorite Schist	Disseminated Pyrite
82-12	60+00W; 12+25N	1.5m	22m	Conductor 3 I.P. Anomaly F	Rhyolite, Qtz-Se-Cl Schist	Disseminated Pyrite
82-13	60+00W; 12+75N	0.5m-1.5m	36m	Conductor 3	Sericite Schist Dacite Crystal Tuff	Disseminated Pyrite (up to 1

TABLE I (Continued)

Trench	Grid Co-Ordinates	Depth	Length	Target Tested	Bedrock	Mineralization
82-14	58+00W; 8+80N	6m	6m	Conductor 21 I.P. Anomaly G	No bedrock	--
82-15	58+00W; 9+00N	6m	6m	Conductor 21 I.P. Anomaly G	No bedrock	--
82-16	57+30W; 21+10W	1m	24m	Conductor 23 I.P. Anomaly B	Sericite Schist Chlorite Schist Black Slate	--
82-17	57+60W; 20+70N	0.5m-4m	19m	Conductor	Chlorite Schist, Dacite Crystal Tuff (Faulted Contact)	--
82-18	57+00W; 15+80N	1m	34m	Conductor 22 I.P. Anomaly D	Altered Andesite Chlorite Schist	Strongly pyriti
82-19	32+00W; 0+75N	1m-2.5m	50m	I.P. Anomaly H	Mainly Felsic Tuffs	Strongly pyriti schists with small massive sulphide lense



SAMPLE NO	CU(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb)	Sb(ppm)
TR4-1	316	24	365	2.0	5	1370
TR4-2	4400	2	124	2.8	30	2350
TR4-3	2.25%	<0.01%	0.06%	0.24oz	0.002oz	0.08%
TR4-4	4670	6	70	2.6	80	1170
TR4-5	0.73%	<0.01%	0.02%	0.12oz.	0.002oz	0.17%
TR4-6	111	5	37	0.4	30	1660
TR4-7	92	2	66	0.2	10	2010

ABERFORD RESOURCES LTD.

GEOLOGY & SAMPLE LOCATIONS
TRENCH #4
LARA PROJECT

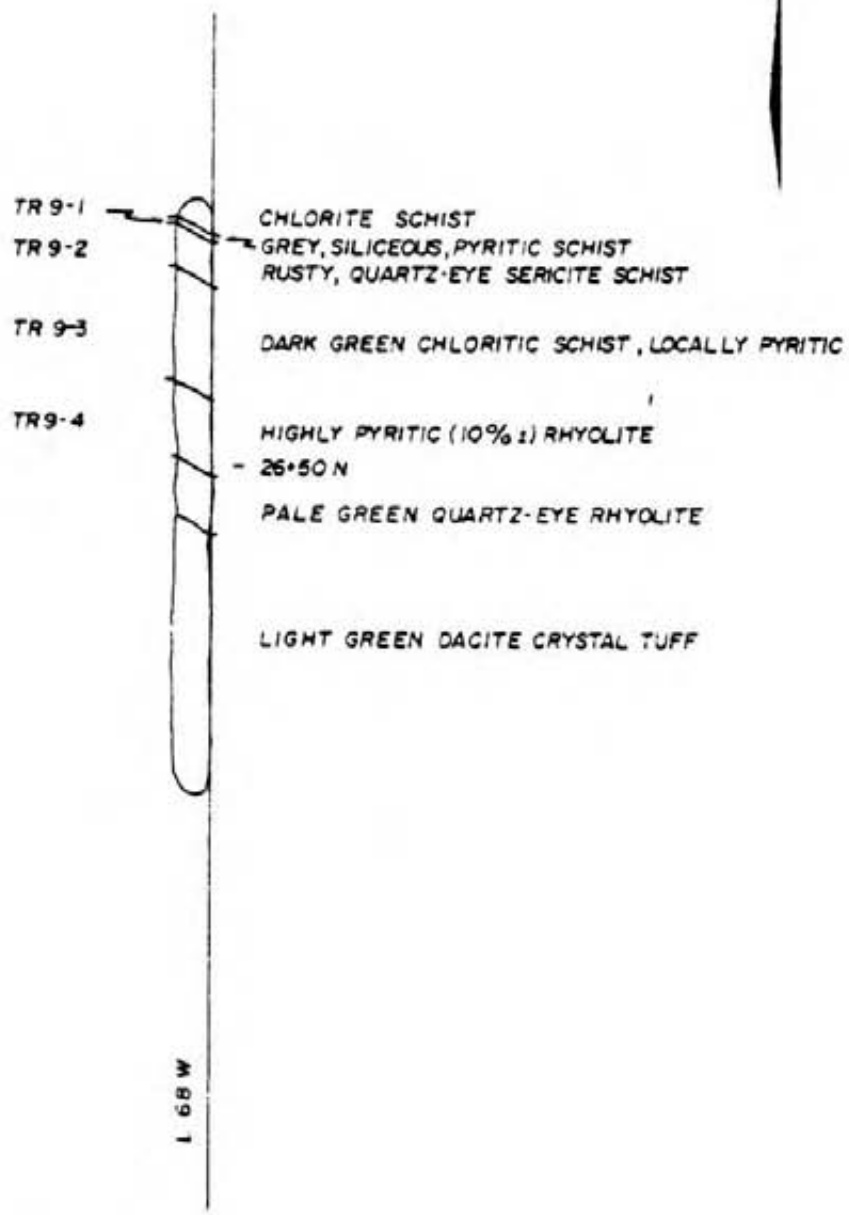
Tech Work By G. Belik and Assoc. Ltd.

Scale 1:400 0 5m 10

App'd By G.B.

Fig No. 1017-9

To accompany a report by G. Belik, M.Sc



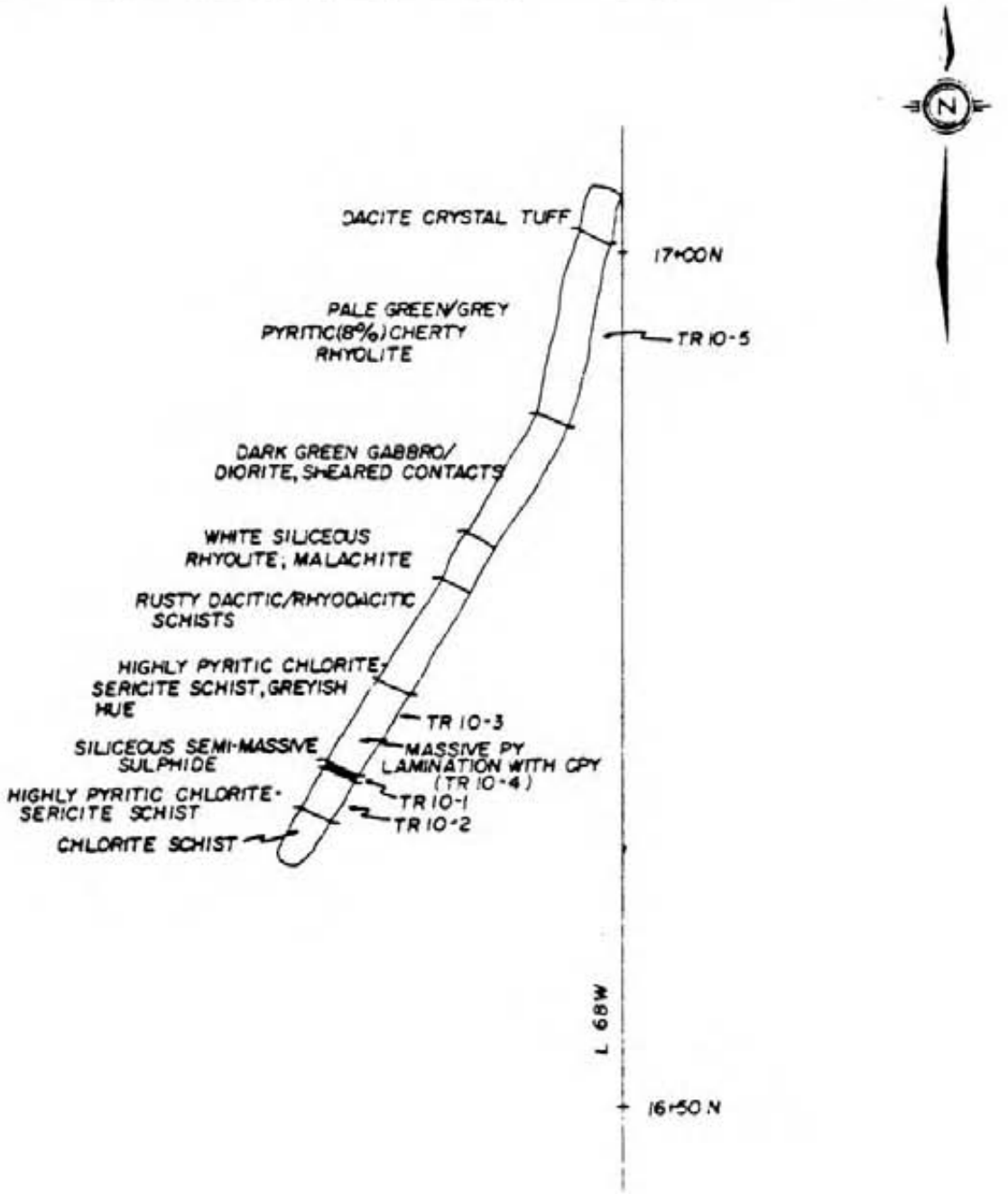
TRENCH NO	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	Ba (ppm)
TR 9-1	42	5	9	0.2	5	930
" 2	29	2	14	0.2	<5	1050
" 3	33	3	36	0.4	<5	30
" 4	18	19	32	0.4	5	1640

ABERFORD RESOURCES LTD.

GEOLOGY & SAMPLE LOCATIONS
TRENCH #9
LARA PROJECT

Tech. Work By: G. Belik and Assoc. Ltd.
Scale: 1:400 (0, 5m, 0)
App'd By: J. S.
Fig. No. 1017-10

To accompany a report by G. Belik, M.Sc.



TRENCH NO	Cu (ppm)	Pb ppm)	Zn ppm)	Ag (ppm)	Au (ppb)	Ba (ppm)
TR 10-1	3600	7	64	1.4	40	310
" 2	288	4	49	0.2	5	2980
" 3	520	4	132	0.2	15	2000
" 4	16,070	3	100	5.8	165	2300
" 5	181	2	108	0.4	10	1700

To accompany a report by G Belik, M Sc

ABERFORD RESOURCES LTD.

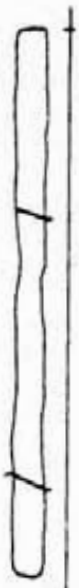
GEOLOGY & SAMPLE LOCATIONS TRENCH # 10 LARA PROJECT

Tech Work By G Belik and Assoc Ltd

Scale 1:400 0 5m 10

Add'l By G B

Fig No. 1017-11



TRENCH #13

13+00N

LIGHT GREEN DACITE CRYSTAL TUFF

HIGHLY SCHISTOSE PALE GREEN/GREY SERICITE SCHIST, LOCALLY PYRITIC

TR 13-1

PALE GREY, FINE GRAINED SERICITE SCHIST; STRONGLY PYRITIC (+10%)

SAMPLE NO	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	Ba (ppm)
TR 11-1	660	2	241	0.2	10	2230
" 2	123	3	85	0.2	15	1860
" 3	181	2	70	0.2	10	1800
TR 13-1	40	250	160	0.9	110	2330

12+50N

L 60+00W

TRENCH #12

VERY FINE GRAINED WHITE SILICEOUS RHYOLITE, 2%-5% PYRITE

PYRITIC QUARTZ-SERICITE-CHLORITE SCHIST

WHITE RHYOLITE, ± PYRITE

TRENCH #11

12+00N

TR 11-1 (GRAB)

TR 11-2 (GRAB)

TR 11-3 (GRAB)

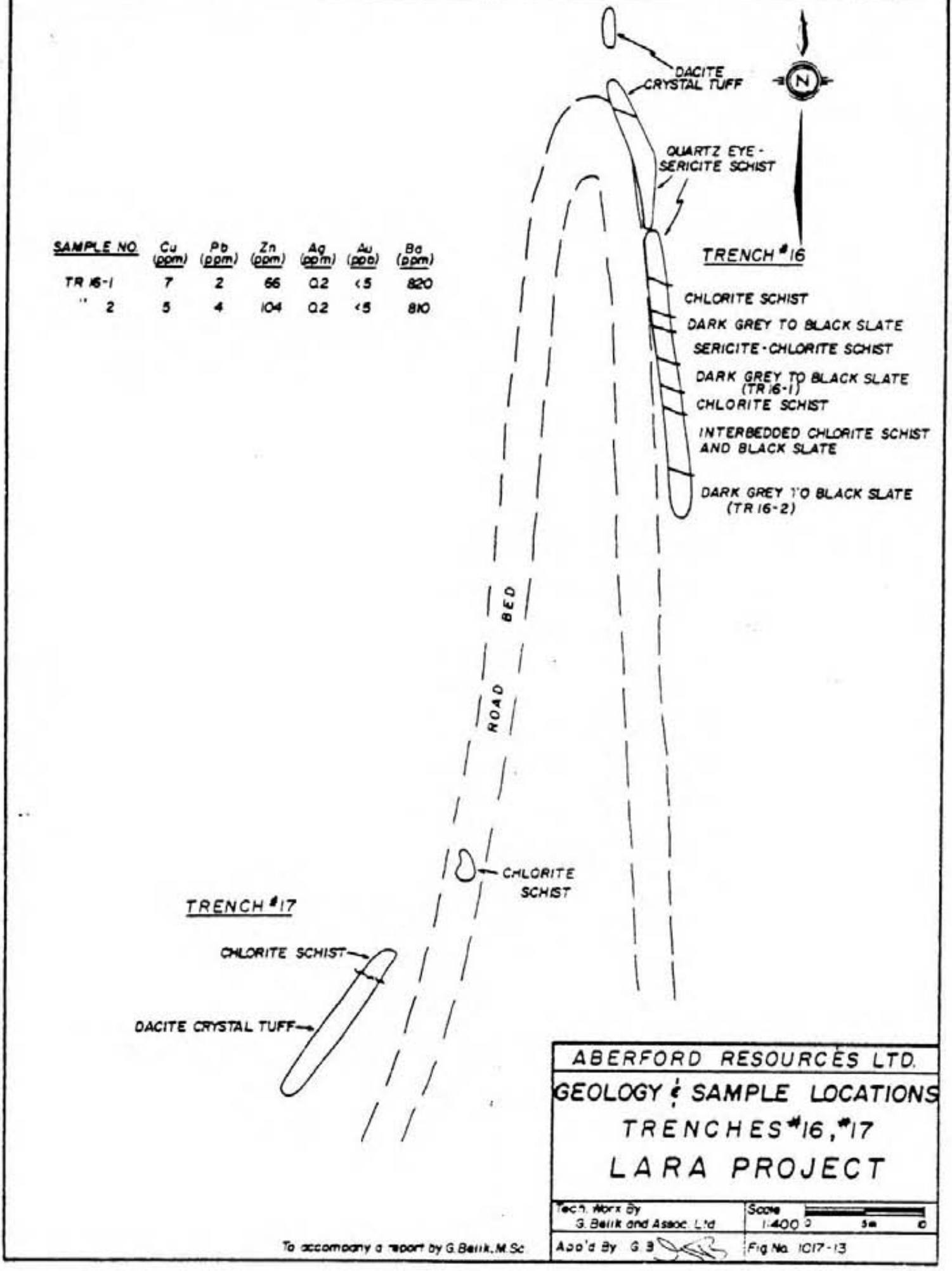
PYRITIC CHLORITE SCHIST, HEAVY GOSSAN SOUTH HALF OF TRENCH

To accompany a report by G Beilik, M.Sc.

ABERFORD RESOURCES LTD.

GEOLOGY & SAMPLE LOCATIONS TRENCHES #11, #12, #13 LARA PROJECT

Tech. Work By G. Beilik and Assoc. Ltd	Scale 1:500 0 5m 10
App'd By G B	Fig No. 1017-12



SAMPLE NO.	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	Ba (ppm)
TR 16-1	7	2	66	0.2	<5	820
" 2	5	4	104	0.2	<5	810

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GEOLOGY & SAMPLE LOCATIONS TRENCHES #16, #17 LARA PROJECT

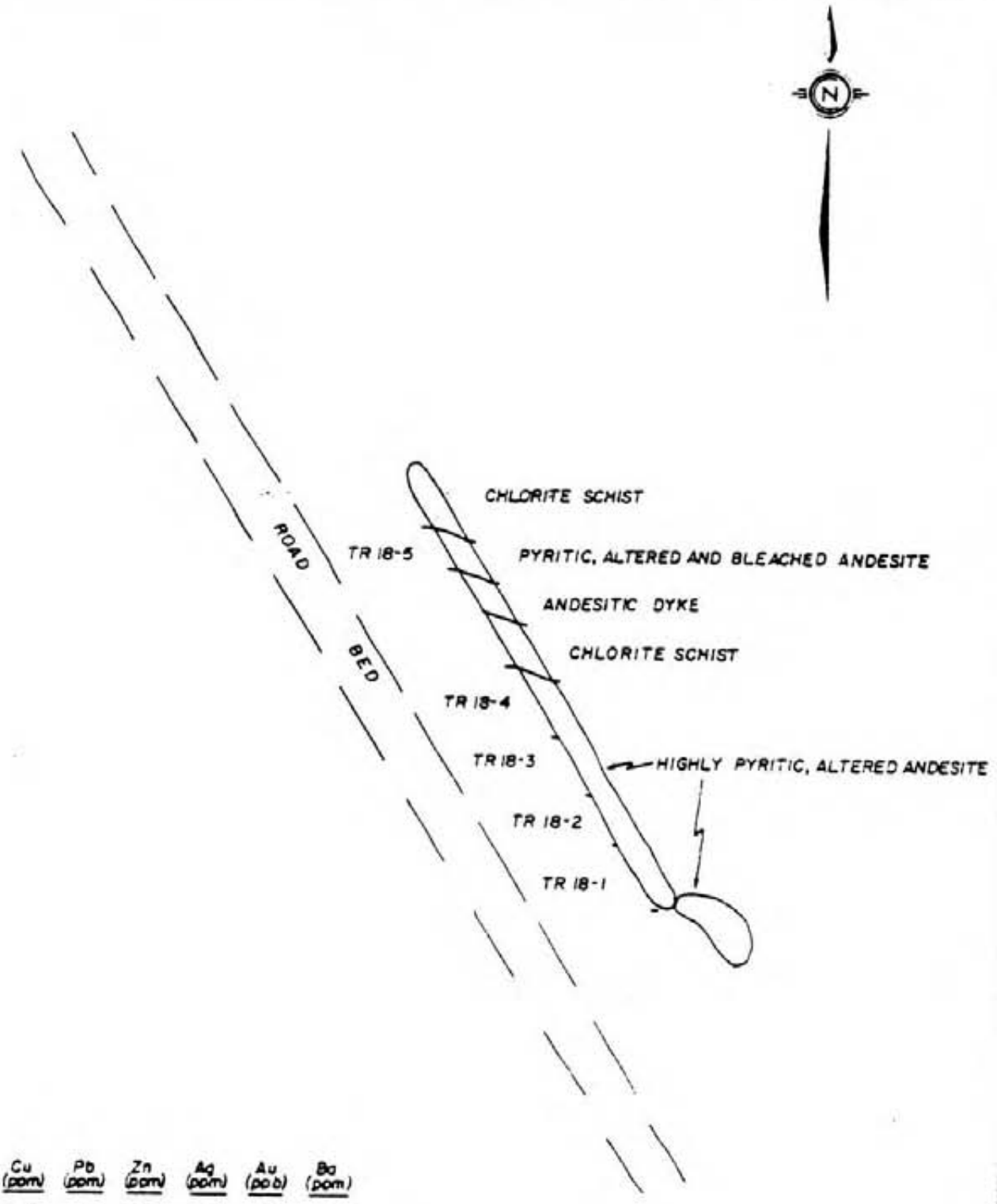
Tech. Work By G. Belik and Assoc. Ltd

Scale 1:400 0 5m 10

App'd By G. B

Fig No. 1017-13

To accompany a report by G. Belik, M.Sc.



TRENCH NO	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	Ba (ppm)
TR 18-1	68	4	62	0.2	<5	600
" 2	56	4	61	0.2	<5	960
" 3	77	4	60	04	<5	370
" 4	21	2	45	0.2	5	460
" 5	191	3	26	0.2	10	880

To accompany a report by G Belik, M.Sc

ABERFORD RESOURCES LTD.

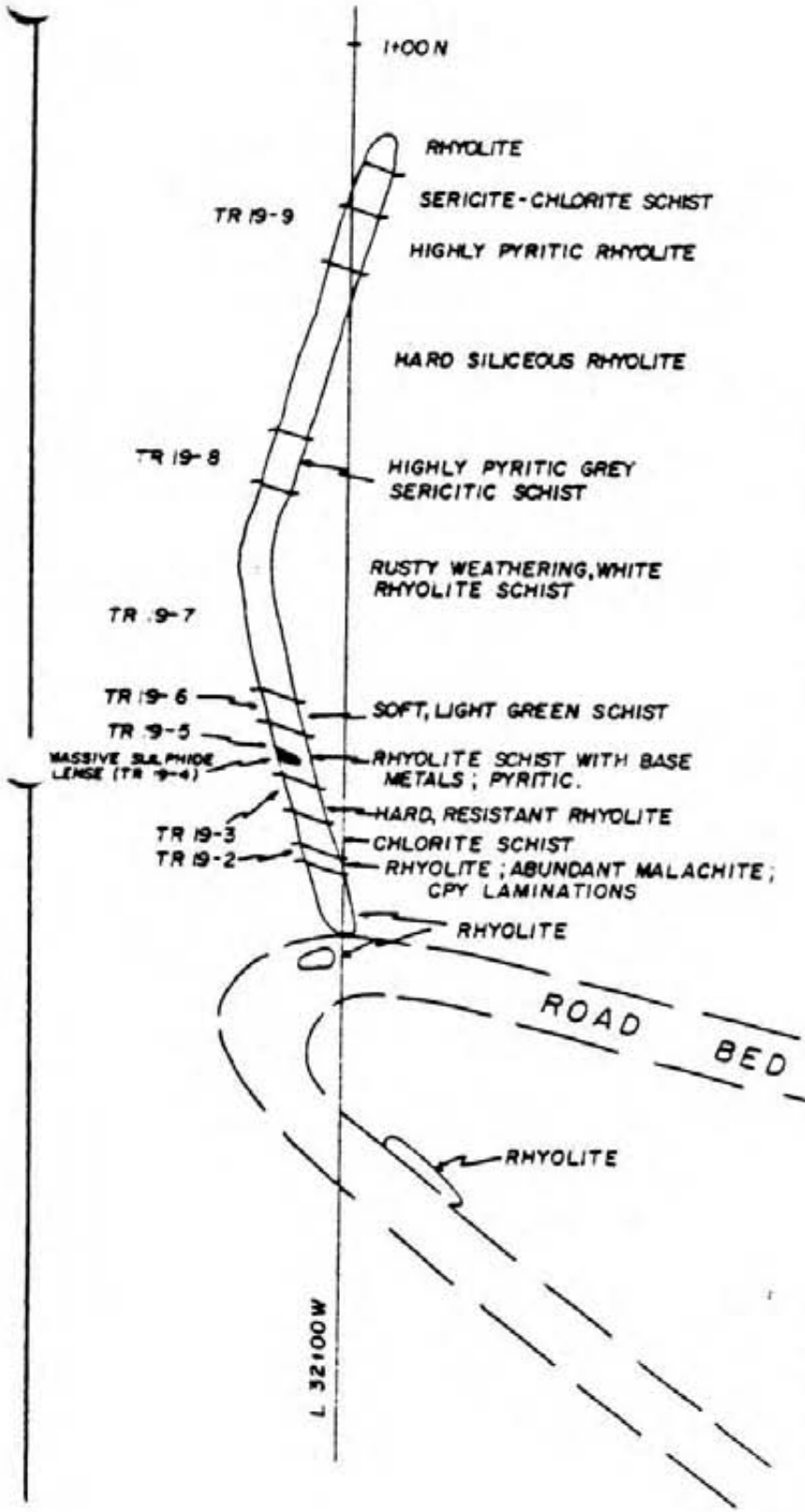
GEOLOGY & SAMPLE LOCATIONS TRENCH # 18 LARA PROJECT

Tech. Work By G. Belik and Assoc. Ltd.

Scale 1:400 0 5m 0

App'd By G.B.

Fig No. 1017-14



SAMPLE NO.	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	Ba (ppm)
TR 19-1	2000	7	440	12.0	170	3790
" 2	3800	9	1340	20.0	985	3340
" 3	127	300	286	1.8	175	5040
" 4	346%	0.62%	1.085%	8.93oz	0.008 oz	0.09%
" 5	136	565	550	4.6	2100	4740
" 6	119	239	119	1.4	150.	5020
" 7	84	159	177	4.2	735	4460
" 8	377	38	38	3.0	115	2300
" 9	139	380	340	2.8	135	2090

NOTE:
TR 19-1 SELECTED SAMPLE FROM INTERVAL TR 19-2
TR 19-5 DOES NOT INCLUDE MATERIAL FROM TR 19-4

ABERFORD RESOURCES LTD.

GEOLOGY & SAMPLE LOCATIONS TRENCH # 19

LARA PROJECT

Tech. Work By G. Belik and Assoc. Ltd

Scale 1:400 0 5m 10

To accompany a report by G Belik, M.Sc.

Ass'd By G B

Fig No. 1017-15

REFERENCES

Belik, G.D.

1981: Trenching, Geophysical and Geochemical Report on the Mt. Sicker Property; unpublished company report

Clapp, C.H.

1913: Geol. of the Victoria and Saanich map-area, Vancouver Island, B.C. Geol. Survey of Canada, Memoir 36.

Clapp, C.H.

1917: Sooke and Duncan map-area, Vancouver Island; Geol. Survey of Canada, Memoir 96.

Muller, J.E. and Carson, D.J.T.

1969: Geol. and Mineral Deposits of Alberni map-area, B.C. (92F); Geol. Survey of Canada, Paper 68-50

Muller, J.E.

1975: Victoria map-area, B.C. (92B); Geol. Survey of Canada; Paper 75-1A, P.21 - 26

1981: Geol. Victoria Map-Area, Vancouver Island and Gulf Islands, B.C. (1:100,000);

1981: The Paleozoic Sicker Group of Vancouver Island, B.C.; Geol. Survey of Canada, Paper 79-30.

Stevenson, J.S.

1945: Geol. of the Twin "J" Mine; in Transactions, Cdn. Inst. of Mining and Met., Vol. XLVIII, pp. 294-308

APPENDIX I

Assay Certificates

Bondar-Clegg & Company Ltd.
130 Pemberton Ave
North Vancouver, B.C.
Canada V7P 2R2
Phone: (604) 985-0681
Telex: 04-352667

BONDAR-CLEGG

Geochemical Lab Report

[illegible] : 100-4014

FROM: ARCTIC RESOURCES LTD. SUBMITTED BY: NONE
DATE: 17-DEC-82 PROJECT: NONE GIVEN

ELEMENT	DETECTION LIMIT	UPPER EXTRACTION	METHOD	SIZE FRACTION	SAMPLE TYPE	SAMPLE PREPARATIONS
Zn	1 PPM	HNO3-HCL HOT EXTR	Atomic Absorption	-100	OTHER	CRUSH,PULVERIZE -100
Pb	2 PPM	HNO3-HCL HOT EXTR	Atomic Absorption	-100		RETENTION OF REJECTS
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		DRY, SIEVE -80
Ag	.2 PPM	HNO3-HCL HOT EXTR	Atomic Absorption	-100		RETENTION OF REJECTS
Au	5 PPB	AQUA REGIA	Fire Assay AA	-100		PULVERIZING
W	20 PPM		X-RAY Fluorescence	-100		

[illegible] [illegible] [illegible]

D. TULLY & ASSOCIATES LTD

[illegible]

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

BONDAR-CLEGG

Geochemical
Lab Report

PROJECT [illegible] PROJECT NONE GIVEN

PAGE 1

SAMPLE	ELEMENT	Cu	Pb	Zn	Ag	As	Au	ATTD
NUMBER	UNITS	PPM	PPM	PPM	PPM	PPM	PPB	
[illegible]		84	10	70			1090	
[illegible]		125	4	57			1040	
[illegible]		169	5	71			910	
[illegible]		205	3	47			370	
[illegible]		30	8	96			1110	
[illegible]		127	6	76			2160	
[illegible]		141	4	97			2040	
[illegible]		111	3	82			1760	
[illegible]		122	3	84			1380	
[illegible]		135	5	86			1790	
[illegible]		311	24	365	0.2	5	1370	
[illegible]		4460	4	121	0.8	39	2260	
[illegible]		4670	6	79	2.1	39	1170	
[illegible]		111	5	87	0.4	35	1290	
[illegible]		72	4	99	0.2	11	2040	
[illegible]		42	5	9	0.2	5	920	
[illegible]		55	6	14	0.2	15	1160	
[illegible]		55	7	76	0.4	7	30	
[illegible]		13	12	32	0.4	5	1140	
[illegible]		2150	7	68	1.4	49	810	
[illegible]		239	3	49	0.2	5	2250	
[illegible]		601	4	132	0.6	15	2440	
[illegible]		10070	5	139	5.8	115	2210	
[illegible]		181	4	152	0.4	10	1760	
[illegible]		861	5	241	0.8	19	2020	
[illegible]		113	3	35	0.2	18	1350	
[illegible]		181	6	79	0.2	12	1620	
[illegible]		47	251	119	0.8	111	2250	
[illegible]		7	4	55	0.2	6	920	
[illegible]		5	4	124	0.2	6	810	
[illegible]		62	6	51	0.2	8	1170	
[illegible]		56	4	44	0.2	18	1160	
[illegible]		77	4	63	0.2	9	1170	
[illegible]		34	16	48	0.2	7	1420	
[illegible]		141	7	76	0.2	12	1310	
[illegible]		30	7	88	0.2	8	1350	
[illegible]		351	4	124	0.2	208	2240	
[illegible]		167	111	230	1.2	178	2140	
[illegible]		114	210	88	4.2	2110	1710	
[illegible]		111	226	113	1.4	151	2120	

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

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 802-VIA PROJECT: MYE (DAVE) PAGE 2

SAMPLE	ELEMENT	Cu	Pb	Zn	Ag	Au	Sb	NOTES
NUMBER	UNITS	PPM	PPM	PPM	PPM	PPB	PPM	
1 TR-17+7		24	152	177	4.2	705	4460	
2 TR-17+8		277	29	39	0.9	115	2030	
3 TR-17+9		179	389	910	2.8	135	3991	
4 L60W 16+00N		20	54	65			860	
5 L60W 16+50N		26	12	67			900	
6 L60W 17+00N		26	20	89			1060	
7 L60W 17+50N		21	17	67			1080	
8 L60W 18+00N		29	15	51			920	
9 L60W 18+50N		21	17	65			1210	
10 L60W 19+00N		10	15	39			830	
11 L60W 19+50N		40	9	20			840	
12 L60W 20+00N		34	7	59			960	
13 L60W 20+50N		37	11	64			1180	
14 L60W 21+00N		30	12	83			1290	
15 L60W 21+50N		28	11	87			900	
16 L60W 22+00N		26	9	67			1070	
17 L60W 22+50N		21	7	78			1070	
18 L60W 23+00N		35	13	56			1190	
19 L60W 23+50N		41	12	67			1240	
20 L60W 24+00N		31	13	87			910	
21 L60W 24+50N		20	10	67			1130	
22 L60W 25+00N		64	14	17			1040	
23 L60W 25+50N		24	70	41			740	
24 L60W 26+00N		31	36	289			780	
25 L60W 26+50N		27	21	71			870	
26 L60W 27+00N		21	10	10			1010	
27 L60W 27+50N		27	12	24			1250	
28 L60W 28+00N		17	12	77			990	
29 L60W 28+50N		19	14	43			840	
30 L60W 29+00N		31	36	87			910	
31 L60W 29+50N		19	21	22			840	
32 L60W 30+00N		29	47	67			910	

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130 Pemberton Ave.
North Vancouver, B.C.
Canada V7P 2R4
phone: (604) 985-0681
fax: 04-352667

BONDAR-CLEGG

Certificate of Analysis

REPORT: 422-4214 PROJECT: ROSE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT	Cu PCT	Pb PCT	Zn PCT	Sb PCT	NOTES
R TR-4-3		0.002	0.24	2.24	<0.01	0.06	0.09	
R TR-4-5		0.002	0.12	0.72	<0.01	0.02	0.17	
R TR-12-1		0.106	8.75	3.46	0.62	10.85	3.09	

APPENDIX II

V.L.F. - E.M. Data

VLF – EM SURVEY

PROJECT: Laca — PAGE: —
GRID: — DATE: —
LINE: 12 W — OPERATOR: [illegible]
SOURCE STATION: Seattle

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	+2	[illegible]	2		[illegible]
1100'	50	0	-2	8	Road [illegible]
	48	-2	-5	1	
	47	-2	-2	–	Gulch
	45	0	-1	–	
1000'	45	+1	1	1	
	46	0	0	1	
	40	0	0	0	
	50	0	0	0	
900'	52	0	0	1	
	[illegible]	0	-1	2	
	[illegible]	-1	-2	6	
	51	-1	-7	9	
800'	52	-4	-11	–	
	47	[illegible]	-5	–	
	48	0	-1	3	
	55	-1	-4	9	
700'	56	-3	-10	16	
	56	-7	-20	13	
	50	-13	-23	–	
	[illegible]	-10	-17	–	

VLF – EM SURVEY

PROJECT: Laca — PAGE: —
GRID: [illegible] — DATE: —
LINE: 12 W — OPERATOR: [illegible]
SOURCE STATION: Seattle

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	52	+2	2	6	[illegible]
	50	0	-1	4	
	50	-1	-2		
B.L.	43	-1			
	~~[illegible]~~				
	~~50~~	~~2~~			
	~~53~~	~~+2~~			[illegible]
	~~[illegible]~~	~~3~~			
	~~52~~	~~[illegible]~~			
	~~45~~	~~2~~			

VLF – EM SURVEY

PROJECT: Laca — PAGE: —
GRID: — DATE: —
LINE: 14 W — OPERATOR: [illegible]
SOURCE STATION: Seattle

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
1000'					
900'	+4	60	8		
	+4	61	10	–	
	+6	62	11	–	
	+6	63	13	–	
800'	+8	65	15	1	
	+7	64	12	3	
	+7	62	12	–	
	+7	62	15	–	
700'	+6	65	17	–	
	+9	67	19	–	
	+9	[illegible]	3	6	
	+6	[illegible]	12	11	
600'	-5	[illegible]	–	11	
	+2	70	2	6	
	0	67	1	–	
	+1	67	3	–	
[illegible]	-3	+0	[illegible]	–	

VLF – EM SURVEY

PROJECT: Laca — PAGE: —
GRID: — DATE: —
LINE: [illegible] W — OPERATOR: [illegible]
SOURCE STATION: Seattle

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
1000'					
	+8	56			
	+8	57	16		
900'	+7	57	15	3	
	+6	57	17	2	
	+7	55	17	–	
	+7	[illegible]	14	–	
800'	+7	56	16	–	
	+12	46	20	–	[illegible]
	+16	47	21	–	
	+11	46	21	–	
700'	+11	[illegible]	22	2	
	+5	47	13	7	
	+7	[illegible]	15	3	
	+9	[illegible]	13	–	
600'	+12	43	22	–	[illegible]
	+2	46	25	–	
	+9	[illegible]	23	4	
	+5	[illegible]	21	7	
[illegible]	–	[illegible]	16	7	[illegible]
			–	–	

VLF – EM SURVEY

PROJECT ______ PAGE ______
GRID ______ DATE ______
LINE ______ OPERATOR ______
SOURCE STATION ______

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
6+00	57	-7	-17	[illegible]	
	47	-12	[illegible]	0	[illegible]
	49	-9	-17	–	[illegible]
	44	+9	-14	–	
5+00	45	[illegible]	-10	–	
	45	-4	-4	–	
	46	-5	-4	–	
	45	-2	-2	–	
4+00	47	3	5	–	
	47	0	5	0	
	47	5	0	2	
	47	5	-3	3	
3+00	45	-2	-3	–	
	45	-1	0	–	
	45	+1	+2	–	
	47	+1	4	–	
2+00	47	+3	3	–	
	47	+5	13	–	
	47	+8	17	5	
	52	+5	8	8	
1+00	57	+3	5	6	

VLF – EM SURVEY

PROJECT ______ PAGE ______
GRID ______ DATE ______
LINE ______ OPERATOR ______
SOURCE STATION ______

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS

VLF – EM SURVEY

PROJECT ______ PAGE ______
GRID ______ DATE ______
LINE ______ OPERATOR ______
SOURCE STATION ______

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	+10	50	19	–	
	+8	52	16	–	
	+9	53	20	–	
4+00	+11	57	24	–	
	+13	58	26	3	
	+13	62	21	6	
	+8	65	20	–	
3+00	+12	68	24	5	
	+12	65	20	12	
	+7	62	12	1	
	+4	62	7	–	
2+00	+5	57	14	–	
	+7	52	22	–	
	+13	52	23	6	
	+13	62	16	17	
1+00	+5	62	15	5	
	+4	57	8	–	
	+2	52	5	4	
	+2	50	4		
[illegible]	+2	60			[illegible]

VLF – EM SURVEY

PROJECT ______ PAGE ______
GRID ______ DATE ______
LINE ______ OPERATOR ______
SOURCE STATION ______

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	+8	-8	18	+	[illegible]
	49	+10	27	–	[illegible]
	43	+13	27	–	
4+00	47	+14	30	–	
	49	+16	30	7	
	53	+19	20	14	
	55	+9	16	11	
3+00	53	-7	12	7	
	59	+5	5	5	
	40	[illegible]	0	4	
	47	+5	5	8	
2+00	43	0	1	–	
	42	+1	7	–	
	[illegible]	+6	16	–	
	45	+10	20	–	
1+00	42	+13	25	–	
	44	+10	21	6	
	[illegible]	+11	20	3	
	47	+9	[illegible]		
[illegible]	[illegible]	[illegible]			

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	46	+12	25	—	
	46	+13	26	-	
	47	+13	27	-	
4+00S	47	+14	28	0	
	50	+14	27	2	
	52	+13	26	1	
	53	+13	26	0	
3+00S	57	+13	26	1	
	56	+13	25	4	
	60	+12	22	7	
	61	+10	19	8	
2+00S	61	+8	14	6	
	60	+6	12	3	
	58	+6	11	2	
	57	+5	13	-	
1+00S	55	+5	12	-	
	52	+7	17	-	
	50	+10	22	-	
	51	+12	22		
B.L	52	+10			

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	41	+12	24	—	
	42	+12	24	1	
	41	+12	23	1	
4+00S	41	+11	23	-	
	41	+12	24	-	
	41	+12	25	-	
	38	+13	28	-	
3+00S	41	+15	29	1	
	43	+14	27	4	
	43	+13	25	1	
	43	+12	26	-	
2+00S	43	+14	29	-	
	42	+15	29	2	
	43	+14	27	3	
	45	+13	26	2	
1+00S	45	+13	25	3	
	47	+12	23	3	
	47	+11	22	2	
	48	+11	21	3	
B.L	48	+10	19	4	

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	50	+13	29	—	
	49	+16	31	-	
	50	+15	30	3	
6+00 N	53	+15	28	6	
	57	+13	24	9	
	57	+11	19	7	TOP OF 2ND HILL
	56	+8	17	0	UPPER GULLY
7+00 N	57	+9	19	-	THICK BUSH
	58	+10	21	-	
	57	+11	21	4	
	56	+10	17	8	
8+00 N	58	+7	13	2	
	52	+6	16	-	
	54	+8	19	-	
	50	+11	27	-	
9+00 N	52	+16	30	-	
	55	+14	28	4	
	58	+14	26	3	
	61	+12	20		
10+00 N	62	43			

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS

VLF – EM SURVEY

PROJECT Loop A PAGE

GRID DATE Oct 19

LINE 12W OPERATOR G Pelle

SOURCE STATION Seattle

STATION	OLT PHASE	IN PHASE	FRASER FILTER		REMARKS
10+00S	42	+6	11		
	41	+5	9	2	
	42	+4	8	2	
	42	+4	7	1	
9+00S	42	+3	7	-	
	40	+4	8	-	
	38	+4	11	-	
	34	+7	16	-	
8+00S	38	+9	17	1	
	37	+8	15	2	
	40	+7	15	-	
	40	+8	19	-	
7+00S	38	+10	20	-	
	40	+10	19	1	
	40	+9	19	-	
	41	+10	21	-	
6+00S	41	+11	23	-	
	42	+12	24	-	
	43	+12	24	0	
	44	+12	24	0	ROAD 7+15 S
5+00S	45	+12	24	-	

VLF – EM SURVEY

PROJECT Loop A PAGE

GRID DATE Oct 19/87

LINE 20W OPERATOR G Pelle

SOURCE STATION

STATION	OLT PHASE	IN PHASE	FRASER FILTER		REMARKS
2+00S	49	+10	19	3	
	48	+9	12	5	
	50	+9	14	15	
	54	+5	3	18	
1+00S	52	+2	-4	7	
	44	-2	-4	5	
	41	-3	-1	-	
	39	-1	+6	-	
0+00	37	+5	+15	-	
	35	+8	26	-	
	35	+14	32	-	
	35	+15	41	-	
1+00N	37	+23	45	1	
	42	+22	48	17	
	47	+15	32	12	
	52	+6	27	5	
2+00N	50	+7	27	0	
	47	+10	27	0	
	42	+13	22	4	
	42	+10	22		
3+00N	41	+11	24	-	

VLF – EM SURVEY

PROJECT Loop A PAGE

GRID DATE Oct 19/87

LINE 22W OPERATOR G Pelle

SOURCE STATION

STATION	OLT PHASE	IN PHASE	FRASER FILTER		REMARKS
5+00S	46	+10	20		ROAD AT 5+00 S
	45	+10	21	-	
	43	+11	23	-	
	43	+12	24	0	
4+00S	43	+12	23	1	
	42	+11	23	-	
	45	+12	24	0	
	43	+12	22	-	
3+00S	43	+11	25	-	
	43	+14	24	-	
	43	+15	21	-	
	43	+14	21	3	
2+00S	50	+15	28	8	
	53	+13	22	12	
	55	+13	16	11	
	53	+6	17	1	
1+00S	48	+5	15	-	
	45	+7	22	-	
	44	+14	21	-	
	43	+13	17	4	
0+00	39	--			

VLF – EM SURVEY

PROJECT Loop A PAGE

GRID DATE Oct 19/87

LINE 12W OPERATOR G Pelle

SOURCE STATION

STATION	OLT PHASE	IN PHASE	FRASER FILTER		REMARKS
10+00S	38	+8	17		
	38	+9	18	1	
	39	+9	16	4	
	40	+7	14	0	
9+00S	40	+7	16	-	
	40	+7	19	-	
	39	+10	17	-	
	40	+7	18	-	
8+00S	41	+6	18	-	
	39	+7	15	-	
	38	+8	17	-	
	37	+9	19	-	ST OFF 20 min
7+00S	38	+11	20	0	
	38	+8	19	1	
	38	+9	19	-	
	37	+12	20	-	
6+00S	37	+10	21	0	
	38	+9	24	0	
	38	+10	20	-	
	40	+9	21	-	ROAD 5+15 S
5+00S	38	+11	23	-	STATION 20'

VERTICAL LOOP E.M. SURVEY

PROPERTY [illegible]

E.M. UNIT & OPERATOR

DATE [illegible] PAGE

LINE	STN.	TILT L.F.	TILT H.F.	REMARKS
[illegible]		-15	[illegible]	29
		[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]
		+2	[illegible]	18
		[illegible]	52	21
	[illegible]	[illegible]	[illegible]	25
		[illegible]	[illegible]	30
		+16	[illegible]	[illegible]
		+15	53	[illegible]
	[illegible]	[illegible]	55	[illegible]
		[illegible]	[illegible]	[illegible]
		+18	55	36
		[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]
		+17	54	[illegible]
		+20	53	[illegible]
		+24	51	

VLF – EM SURVEY

PROJECT *Lara* PAGE

GRID DATE *Oct 19/82*

LINE *24 W* OPERATOR *G Bruce*

SOURCE STATION

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
5+00 S	38	+4	10		Road 5+00 S
	38	+6	14	-	
	38	+8	14	2	Creek
	40	+6	12	2	Steep SE Slope
4+00 S	42	+6	13	0	" " "
	42	+6	12	0	" " "
	42	+5	13	0	" E "
	41	+6	13	1	" E "
3+00 S	41	+6	11	3	" E "
	41	+5	9	3	" E "
	41	+4	8	0	" " "
	37	+4	9	-	" " "
2+00 S	40	+5	10	0	Mod " "
	40	+5	9	2	" " "
	40	+4	8	1	
	38	+4	8	0	
1+00 S	40	+4	8	1	
	40	+4	7	0	
	38	+3	8	-	Steep S.E. Slope
	38	+5	10	0	" E "
B.L.	40	+5	8	2	

VERTICAL LOOP E.M. SURVEY

PROPERTY [illegible]

E.M. UNIT & OPERATOR [illegible]

[illegible] Seattle

DATE [illegible] PAGE

LINE	STN.	TILT L.F.	TILT H.F.	REMARKS
[illegible]	[illegible]			
		+3	[illegible]	8
		+5	[illegible]	11
		+6	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	15
		[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]
		+8	63	[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]	60	[illegible]
		[illegible]	[illegible]	[illegible]
	[illegible]	+3	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]

VLF – EM SURVEY

PROJECT *Lara* PAGE

GRID DATE *Oct 19/82*

LINE *26 W* OPERATOR *G Bruce*

SOURCE STATION *Seattle*

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
5+00 S	? 46	+1	2		
	45	+1	3	-	
	43	+2	5	-	
	41	+3	6	-	
4+00 S	42	+3	6	-	
	42	+3	7	-	
	42	+4	8	-	
	42	+4	8	0	
3+00 S	41	+4	8	-	
	38	+4	9	-	
	43	+5	10	0	
	43	+5	9	4	
2+00 S	43	+4	6	9	
	45	+2	0	13	
	43	-2	-6	7	
	41	-4	-7	-	
1+00 S	38	-3	-4	-	
	38	-1	0	-	
	36	+1	7	-	
	35	+6	18	-	
B.L.	35	+3	20	-	

VERTICAL LOOP E.M. SURVEY

PROPERTY _____

E.M. UNIT & OPERATOR _____

DATE _____ PAGE ____

LINE	STN.	TILT L.F.	TILT H.F.	REMARKS

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS

VERTICAL LOOP E.M. SURVEY

PROPERTY _____

E.M. UNIT & OPERATOR _____

DATE _____ PAGE ____

LINE	STN.	TILT L.F.	TILT H.F.	REMARKS

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS

VERTICAL LOOP E.M. SURVEY

PROPERTY [illegible]

E.M. UNIT & OPERATOR [illegible]

DATE [illegible] PAGE

LINE	STN.	TILT L.P.	TILT H.P.	REMARKS
[illegible]	[illegible]	+13	[illegible]	[illegible]
		+8	[illegible]	[illegible]
	[illegible]	[illegible]	60	
		+5	23	
	[illegible]	+8	62	
		+9	25	
		+10	62	
		+11	67	
	2+00 S.	+5	69	
		+4	64	
		+10	65	
		+1	77	
	1+00 S	-14	75	
		-2	55	
		0	57	
		+2	60	
	1+00 N	+4	52	
		+9	67	
		+7	63	
		+8	66	
	2+00 N	+7	68	
		2	59	
		+2	62	
		+3	61	

VLF – EM SURVEY

PROJECT LARA PAGE

GRID DATE Oct 22/82

LINE 7+00 W OPERATOR G. Beim

SOURCE STATION Seattle

STATION	QUAD PHASE	IN PHASE	FRASER FILTER		REMARKS
3+00 S	52	+2.5			
	49	+4	6.5		
	47	+6	10	-	
	47	+7	13	-	
1+00 S	45	+7	14	-	
	46	+7	16	-	
	44	+13	22	-	
	46	+12	25	2	
2 L	47	+8	20	9	
	48	+6	14	8	
	50	+5	12	9	
	47	-1	5	12	
1+00 N	44	+1	0	-	
	38	+5	6	-	
	38	+9	14	-	
	38	+10	19	-	
3+00 N	40	+8	18	1	
	38	+10	18	-	
	39	+14	24	-	
	39	+16	30	-	
3+00 N	42	+16	32	3	
			27	9	

VLF – EM SURVEY

PROJECT LARA PAGE

GRID DATE Oct 22/82

LINE 7+00 W OPERATOR G. Beim

SOURCE STATION

STATION	QUAD PHASE	IN PHASE	FRASER FILTER		REMARKS
3+00 N	40	+7			
	39	+11	18		
	41	+17.5	23.5	-	
	40	+14	26.5	-	
3+00 N	42	+14	28	-	
	42	+13	27	-	
	40	+16	29	-	
	41	+16	32	-	
1+00 N	38	+18	34		

VLF – EM SURVEY

PROJECT LARA PAGE

GRID DATE Oct 22/82

LINE 7+00 W OPERATOR G. Beim

SOURCE STATION

STATION	QUAD PHASE	IN PHASE	FRASER FILTER		REMARKS
B.L	46	+10	20		
	50	+10	20	3	
	52	+10	17	12	
	55	+7	8	22	Station off 15 min
1+00 N	58	+1	-5	1	
	57	-6	-9	-	
	42	-3	+1	-	
	40	+4	+13	-	
2+00 N	38	+9	+21	-	
	40	+12	+27	-	
	42	+15	+28	2	
	45	+13	+25	1	
3+00 N	46	+12	27	-	
	45	+15	31	-	
	46	+16	34	-	
	47	+18	36	2	
4+00 N	52	+18	32	13	
	56	+14	23	17	
	60	+9	15	8	
	57	+6	15	1	
5+00 N	56	+9	14	8	

VERTICAL LOOP E.M. SURVEY

PROPERTY ______________________

E.M. UNIT & OPERATOR ______________________

DATE ______________ PAGE ______

LINE	STN.	TILT L.F.	TILT H.F.	REMARKS
[illegible]	[illegible]	[illegible]	[illegible]	
		[illegible]	[illegible]	
		[illegible]	[illegible]	
		+6	[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]	+14	77	
		+12	77	
		+10	78	
		+8	80	
	[illegible]	+6	80	
		+6	78	
	[illegible]	+7	75	

VLF – EM SURVEY

PROJECT ______________________ PAGE ______

GRID ______________________ DATE ______

LINE ______________________ OPERATOR ______

SOURCE STATION ______________________

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	45	+11	23	7	
	48	+12	20	9	
	50	+8	14	10	
4+00W	52	+6	10	4	
	49	+4	10	0	
	49	+6	10	4	
	53	+4	6	7	
5+00W	53	+2	3	6	
	54	+1	0	7	
	54	-1	-4	8	
	53	-3	-8	7	
6+00W	55	-5	-11	8	
	55	-6	-16	7	
	48	-10	-17	–	
	44	-7	-11	–	
7+00W	45	-4	-6	–	
	46	-2	+1	–	
	38	+3	+9	–	
	38	+6	+13	–	
8+00W	41	+7	+9	–	
	39	+11			

VLF – EM SURVEY

PROJECT ______________________ PAGE ______

GRID ______________________ DATE ______

LINE ______________________ OPERATOR ______

SOURCE STATION ______________________

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS

VLF – EM SURVEY

PROJECT ______________________ PAGE ______

GRID ______________________ DATE ______

LINE ______________________ OPERATOR ______

SOURCE STATION ______________________

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	58	+5	7	10	
	59	+2	4	+2	
	57	+2	5	–	
6+00W	56	+3	9	–	
	54	+6	12	3	
	60	+6	6	16	
	63	0	-4	16	
7+00W	62	-4	-10	5	
	54	-6	-9	–	
	55	-3	-4	–	
	50	-1	-1	–	
8+00W	50	0	1	–	
	49	+1	4	–	
	47	+3	10	–	
	45	+7	17	–	
9+00W	46	+10	22	–	
	47	+12	26	–	
	46	+14	30	–	
	48	+16	32		
10+00W	51	+16			FS 4.1

VLF – EM SURVEY

PROJECT Lara PAGE
GRID DATE Oct 22/82
LINE 78W OPERATOR L Belle
SOURCE STATION Seattle

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
B.L	45	+8			
	43	+9	17		
	45	+8	17	1	
	46	+8	16	0	
1+00N	47	+9	17	-	
	48	+7	18	2	
	52	+6	15	10	
	54	+2	8	13	
2+00N	47	0	2	7	
	45	+1	1	-	
	42	+3	4	-	
	43	+7	10	-	
3+00N	41	+10	17	-	
	42	+13	23	-	
	48	+14	27	1	
	51	+8	22	15	
4+00N	50	+4	12	13	
	48	+5	9	1	
	48	+6	11	-	
	47	+9	15	-	
5+00N	49	+11	20	-	
			22	9	

VLF – EM SURVEY

PROJECT Lara PAGE
GRID DATE
LINE 40 W OPERATOR L Belle
SOURCE STATION

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
B.L	42	+8	11		
	+2	+8	12	-	
	42	+6	13	-	
	43	+7	13	-	
1+00N	44	+8	16	1	
	50	+8	14	2	
	55	+6	12	2	
	53	+6	12	3	
2+00N	54	+6	9	10	
	57	+3	2	15	
	57	-1	-6	10	
	51	-5	-8	-	
3+00N	45	-3	-2	-	
	43	+1	7	-	
	43	+6	16	-	
	46	+10	21	-	
4+00N	48	+11	17	9	
	54	+6	12	4	
	51	16	13	-	
	48	+7	15	-	
5+00N	49	+8	18	-	

VLF – EM SURVEY

PROJECT Lara PAGE
GRID DATE
LINE 42 W OPERATOR L Belle
SOURCE STATION

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
BL					
		[illegible]			
	45	+3	6		
1+00N	45	+3	7	-	
	47	+4	9	-	
	45	+5	10	-	
	46	+5	12	-	
2+00N	45	+7	15	-	
	45	+8	17	2	
	49	+9	13	15	
	53	+4	2	19	
3+00N	50	-2	-6	11	
	47	-4	-9	5	
	43	-5	-11	0	
	41	-6	-9	-	
4+00N	38	-3	0	-	
	37	+3	12	-	
	38	+9	17	2	
	45	+8	10	14	
5+00N	47	+2	3	5	

VLF – EM SURVEY

PROJECT Lara PAGE
GRID L DATE
LINE 44 W OPERATOR G Belle
SOURCE STATION

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
B.L					
1+00N					
2+00N	54	+6	12		
	55	+6	15	-	
	57	+9	17	3	
	62	+8	12	13	
3+00N	67	+4	4	16	
	67	0	-4	10	
	58	-4	-6	1	
	52	-2	-5	-	
4+00N	44	-3	-1	-	
	42	+2	6	-	
	42	+4	13	-	
	45	+9	17	-	
5+00N	51	+10	16	-	

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	49	+11			
	54	+10	21	12	
	55	+8	18	7	
6+00N	58	+6	14	9	
	62	+3	9	9	
	60	+2	5	4	
	57	+3	5	–	
7+00N	55	+4	7	–	
	55	+4	8	–	
	56	+4	8	–	
	53	+5	9	–	
8+00N	53	+7	12	–	
	51	+7	14	3 –	OUTCROP ANOMALOUS TUFF ON CAT
	52	+7	14	–	
	52	+9	16	–	
9+00N	50	+11	20	–	
	52	+11	22	–	
	53	+10	21	1	
	50	+11	21	0	
10+00N	53	+10	21		

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	50	+10			
	50	+9	20	–	
	50	+12	22	–	
6+00N	54	+12	24	1	
	56	+9	21	6	
	58	+9	18	6	
	62	+6	15	10	
7+00N	57	+2	8	12	
	56	+1	3	4	
	54	+3	4	–	
	53	+5	8	–	
8+00N	54	+5	10	–	
	54	+5	12	–	
	54	+4	9	0	
	52	+6	10	–	
9+00N	52	+7	13	–	
	53	+8	15	–	
	53	+7	15	1	
	56	+7	14	5	
10+00N	56	+3	10		RIDGE

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	43	+1			
	42	+4	5	–	
	28	+6	10	–	
6+00N	42	+10	16	–	
	43	+10	20	–	
	46	+8	18	5	
	48	+7	15	6	
7+00N	53	+5	12	8	
	58	+2	7	10	
	53	0	2	5	
	45	+2	2	–	STEEP N. SLOPE
8+00N	50	+4	6	–	
	57	+6	10	–	
	58	+3	9	8	
	57	-1	2	15	
9+00N	50	-5	-6	10	RIDGE
	50	-3	-8		
10+00N					Easy Lane

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	54	+6			
	52	+9	15	–	
	50	+7	18	–	VERY STEEP SOUTH SLOPE
6+00N	52	+7	16	2	
	52	+9	16	–	
	52	+11	20	–	
	48	+12	23	–	
7+00N	48	+11	23	4 –	
	56	+8	19	9	STEEP SOUTH SLOPE
	58	+6	14	11	
	51	+2	8	13	
8+00N	53	-1	1	8	
	50	+1	0	–	
	50	+5	6	–	
	56	+8	7	5	
9+00N	55	-1	1	11	
	50	-3	-4	5	
	48	-1	-4		
10+00N					

VLF – EM SURVEY

PROJECT LARA PAGE
GRID DATE
LINE 46 W OPERATOR
SOURCE STATION

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
2+50W	63	0	0		
	60	0	-3	89	
3+00W	62	-3	-9	10	
	60	-6	-13	5	
	58	-7	-14	6	
	60	-7	-19	14	
4+00W	57	-12	-28	7	
	50	-16	-26	-	SCALP & SLOPE
	45	-10	-15	-	
	44	-5	-8	-	
5+00W	46	-3	-9	-	
	43	-6	-6	-	
	37	0	5	-	
	38	+5	9	-	
6+00W	42	+4	12	-	
-	42	+8	20	-	
	44	+12	21	2	
	48	+9	18	6	
7+00W	46	+9	15	9	
	52	+6	9	10	
	52	+3	5	6	

VLF – EM SURVEY

PROJECT LARA PAGE
GRID DATE Nov 8/92
LINE L 48W OPERATOR
SOURCE STATION SEATTLE

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
B.L	28	+1			
1+00W					
	2				
2+00W	35	+1	1		
	37	0	3	-	
	30	+3	9	-	
	31	+8	12	-	
3+00W	30	+6	14	2	
	29	+8	18	-	
	30	+10	20	-	
	30	+10	18	6	
4+00W	33	+8	14	8	
	33	+6	10	0	
	32	+4	14	-	
	30	+3	21	0 -	
5+00W	32	+12	26	0	

VLF – EM SURVEY

PROJECT LARA PAGE
GRID DATE Nov 8/92
LINE 50 W OPERATOR C BELLE
SOURCE STATION

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
BL					
1+00W					
2+00W					
	30	+4	+9		
	30	+5	+10	-	
3+00W	32	+5	+10	-	
	34	+5	12	-	
	38	+3	14	-	
	38	+7	13	3	
4+00W	41	+6	11	7	
	40	+5	6	9	
	42	+4	2	0	
	37	+1	6	-	

VLF – EM SURVEY

PROJECT LARA PAGE
GRID DATE Nov 8/92
LINE 52 W OPERATOR C BELLE
SOURCE STATION

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
3+00W					
4+00W	29	+7	17		
	30	+10	20	1	
	32	+10	16	13	
	34	+6	7	11	
5+00W	33	+1	5	-	
	28	+4	11	-	
	28	+7	16	-	
	30	+9	17	-	
6+00W	32	+10	24	-	ROAD CUT
	33	+14	27	-	
	35	+13	25	4	
	37	+12	23	4	
7+00W	38	+11	21	3	
	40	+10	20	2	
	41	+10	17	3	
	43	+9	17	3	
R-WAY	42	+8			

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	OUT PHASE	IN PHASE	FRASER FILTER		REMARKS
	53	+2	3	4	
8100N	55	+1	1	3	
	55	0	0	1	
	52	0	0	–	
	48	0	1	–	
9100N	48	+1	2	–	
	50	+1	2	–	
	48	+1	4	–	
	47	+3	9		
10100N	52	+6			

VLF – EM SURVEY

PROJECT _____ PAGE 52

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	OUT PHASE	IN PHASE	FRASER FILTER		REMARKS
	35	14			
	40	+8	28	12	
	42	+5	14	8 12	
6700N	44	+4	9	8 9	
	44	+1	5	6 8	
	45	0	1	6 6	
	~~45~~ 43	~~-1~~ -2	-1	4	
			-3	1	
7100N	47	-2	-2	1	ROAD 6700N
	46	0	-4	5	
	42	-4	-7	0	
	40	-3	-4	–	
8100N	40	-1	2	–	
	42	+3	6	–	
	53	+3	3	7	
	53	0	-1	4	
9100N	53	-1	-1	–	ROAD 8100N
	51	0	5	–	
	47	+5	14	–	CLAIM POST
	50	+9	18	–	3N 2W SILVER 2
10100N	53	+9	20		10N 42+30W
	53	+11			CLAIM LINE
					10100N

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	OUT PHASE	IN PHASE	FRASER FILTER		REMARKS
	37	+8	22	–	
	36	+14	31	–	
	36	+17	36	–	
6100N	38	+19	41	0	
	43	+32	41	4	
	46	+19	38	7	
	47	+18	34	8	X
7100N	45	+16	29	8	
	47	+13	26	1	
	48	+13	28	–	
	50	+15	29	5	
8100N	53	+14	23	14	X
	52	+9	15	10	
	51	+6	13	–	
	53	+7	16	–	
9100N	55	+9	12	4	
	62	+3	4	8	-
	58	+1	2	2	
	58	+1	2	4	
10100N	57	+1			

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	OUT PHASE	IN PHASE	FRASER FILTER		REMARKS
	42	+8			
	42	+6	14	2	
	41	+9	14	–	
9100N	43	+9	17	–	ROAD 9100N
	42	+9	18	–	
	45	+9	18	2	
	50	+7	16	9	
10100N	46	+2	9		

VLF – EM SURVEY

PROJECT Lara PAGE
GRID DATE Nov 8
LINE L54 W OPERATOR G.B.
SOURCE STATION

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	~~35~~	+1			
3+00N					
	35	+1	2		
	35	+1	4	–	
4+00N	33	+3	7	–	
	31	+4	9	–	
	31	+5	11	–	
	32	+6	12	•	
5+00N	30	+6	11	–	
	32	+5	13	–	
	33	+8	18	–	
	33	+14	22	–	
6+00N	33	+12	22	4	
	35	+10	18	5	
	35	+8	17	0	ROAD 6+60N
	33	+9	18	–	
7+00N	33	+9	19	–	
	33	+10	20	1	
	33	+10	18	6	

VLF – EM SURVEY

PROJECT Lara PAGE
GRID DATE Nov 8/82
LINE 56 W OPERATOR GB
SOURCE STATION

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
5+00N	40	+5	11		
	39	+6	14	–	
	38	+8	12	5	
C	38	+4	9	1	
6+00N	34	+5	11	–	
	34	+6	13	–	
	35	+7	15	–	
	35	+8	19	6	
7+00N	35	+6	9	7	ROAD 7+30 N
	35	+3	7	–	
	33	+4	10	–	
	32	+6	14	–	
8+00N	32	+2	17	–	
	33	+7	18	–	
	37	+9	18	2	
	34	+9	16	6	
9+00N	35	+7	12	6	
	35	+5	10	4	
	34	+5	8	5	
	36	+3	5		
10+00N	37	+2			

VLF – EM SURVEY

PROJECT Lara PAGE
GRID DATE Nov 9
LINE 58W OPERATOR G.B
SOURCE STATION

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
5+00N	52	+20	34		(N)
	56	+12	32	14	(N)
	54	+8	20	20	(N)
	55	+4	12	12	(N)
6+00N	52	+4	8	4	
	52	+4	8	0	
	49	+4	9	0	
	48	+4	8	1	
7+00N	50	+3	7	3	
	46	+2	5	4	ROAD 6+88N
	48	+1	2	4	
	40	0	1	–	
8+00N	37	+17	7	–	
	35	+13	13	–	(N)
	35	+21	26	–	(N) ROAD 8+25
	42	+25	46	–	
9+00N	51	+16	41	21	
	50	+7	25	24	
	48	+8	17	6	
	48	+11	19	–	
10+00N	50	+12	23	–	
			23	9	

VLF – EM SURVEY

PROJECT Lara PAGE
GRID DATE Nov 9/82
LINE 58 W OPERATOR GB
SOURCE STATION

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	61	+8			
	65	+4	12	14	
16+00N	64	+1	5	10	
	60	+1	2	1	
	56	+3	4	–	
	57	+5	8	–	
			9	0	ANC FLOAT Rd 16+68N
17+00N	56	+4	8	1	
	56	+4	6	5	
	55	+2	3	2	
	56	+1	4	–	
18+00N	52	+3	6	–	
	53	+3	6	–	
	51	+3	8	–	
	49	+5	9	0	
19+00N	50	+4	8	–	
	49	+4	10	–	
	49	+6	14	–	
	48	+8	17	–	
20+00N	50	+10	23	–	22m To Grid Road
	50	+12	25	4	
	47	+13	22	11	

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	35	+8			
Brook	34	+6	14	3	
	35	9	15	-	
	34	+12	21	-	
	35	+13	25	1	
9+00N	37	7	20	10	
	36	8	15	1	
	37	11	19	-	
	35	10	21	1	
10+00N	35	8	18		

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	53	+11	23	7	
	54	+12	20	9	
	57	+8	14	10	
11+00N	56	+6	10	5	
	54	+4	9	-	
	54	+5	11	-	
	52	+6	11	1	
12+00N	53	+5	10	-	
	51	+5	12	-	
	48	+7	15	-	
	49	+11	24	3	
13+00N	50	+9	15	3	
	48	+6	17	-	
	48	+11	20	-	
	50	+9	17	-	
14+00N	52	+10	21	-	
	49	+11	23	-	
	51	+12	27	3	
	53	+15	30	1	
15+00N	55	+15	26	11	
	60	+11	19	14	

VLF – EM SURVEY

107/90

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	52	+9	14	13	
21+00N	53	+5	9	11	
	64	+4	3	11	
	57	-1	-2	2	
	50	-1	1	-	
23+00N	47	+2	5	-	
	43	+3	7	-	
	44	+4	10	-	
	44	+8	10	3	
23+00N	47	+4	7	5	
	47	+3	5	3	
	47	+2	4	1	
	48	+2	4	-	
24+00N	43	+2	5	-	
	42	+3	8	-	
	43	+5	15	-	
	45	+10	18	10	
25+00N	48	0	5		
	45	+5			

VLF – EM SURVEY

PROJECT Lara PAGE

GRID DATE Nov 10/82

LINE 60 W OPERATOR G.B.

SOURCE STATION

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
5+00N					
6+00N					
	59	+4	7		(M
	58	+3			(L)
7+00N	63	+2	5	6	
	68	-1	1	11	
	67	-5	-6	13	
	66	-7	-12	11	
8+00N	65	-10	-17	10	
	53	-12	-22	7	
	50	-12	-24	-	Salt Cr. Bottom
	45	-8	-20	-	
9+00N	40	-1	-9	-	
			3	-	
			13	-	
			23		

VLF – EM SURVEY

PROJECT Lara PAGE

GRID DATE Nov 17/82

LINE 60W OPERATOR G.B.

SOURCE STATION

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	23	+4	13		
	29	+7	23	-	
	30	+10	31	-	
10+00N	32	+17	37	-	
	36	+22	37	7	
	42	+17	36	11	
	40	+13	26	0	
11+00N	40	+13	30	-	
	37	+17	37	-	
	42	+20	31	19	
	52	+11	18	19	
12+00N	47	+8	12	8	
	50	+5	10	4	
	49	+5	8	6	
	53	+3	4	4	
13+00N	49	+1	4	-	
	47	+3	9	-	
	45	+6	14	-	
	46	+8	17	-	
14+00N	45	+9	18	-	
	44	+9	19	-	

VLF – EM SURVEY

PROJECT Lara PAGE

GRID DATE Nov 15/82

LINE 60+00 W OPERATOR GB

SOURCE STATION

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	48	+7	13	1	
20+00N	50	+6	11	0	
	45	+5	13	-	
	47	+8	16	-	
	53	+8	16	1	
21+00N	54	+8	15	-	(W)
	56	+7	13	-	(L)
	58	+10	17	10	
	62	+7	7	17	
22+00N	65	0	0	3	
	60	0	4	-	
	54	+4	9	-	
	58	+5	13	-	
23+00N	60	+8	17	-	
	63	+9	17	4	
	67	+8	13	9	
	70	+5	8	7	
24+00N	67	+7	6	2	
	65	+3	6	-	
	63	+3	10	-	
	57	+7	23	-	

VLF – EM SURVEY

PROJECT Lara PAGE

GRID DATE Nov 17

LINE 62+00 W OPERATOR GB

SOURCE STATION

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
6+50N	45	-1	-5		
	47	-4	-14	16	
7+00N	50	-10	-21	5	
	45	-11	-19	-	
	44	-8	-12	-	
	46	-4	-6	-	
8+00N	47	-2	-3	-	
	48	-1	-4	5	
	48	-3	-8	8	
	49	-5	-12	9	
9+00N	50	-7	-17	10	
	53	-10	-22	8	
	49	-12	-25	2	
	44	-13	-24	-	
10+00N	40	-11	-16	-	
	38	-5	-8	-	
	37	-3	-3	-	
	35	0	5	-	
11+00N	37	+5	12	-	
	39	+7	17	-	
	39	+10	17	9	

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	QUAD OF PHASE	IN PHASE	FRASER FILTER		REMARKS

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	QUAD OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	45	+10	20	–	
	42	+10	30	0	
15+00N	50	+10	20	–	
	50	+12	21	–	
	54	+11	21	2	
	[illegible]	+10	19	20	
16+00N	57	+9	1	15	
	62	+6	4	2	
	62	-1	-1	4	
	58	0	0	0	
17+00N	57	0	-1	1	
	60	-1	-1	0	
	57	0	-1	5	
	60	-1	-6	6	
18+00N	58	-5	-7	–	
	50	-2	-2	–	
	50	0	2	–	
	50	+2	4	–	
17+00N	49	+2	6	–	
	49	+4	9	–	
	49	+5	12	2	

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	QUAD OF PHASE	IN PHASE	FRASER FILTER		REMARKS
25+00N	58	+16	31	–	
	67	+15	26	11	
	68	+11	20	12	OLD RAIL BED 25+55
	70	+9	14	13	OLD RAIL BED 28+75
26+00N	75	+5	7	12	
	73	+2	2	9	
	74	0	-2	9	
	75	-2	-7	10	
22+00N	70	-5	-12	7	
	73	-7	-14	1	
27+00N	68	-7	-15	–	
	65	-6	-13	0	
28+00N	62	-7	-15	–	
28+00N	62	-6	-18	1	
	65	-6	-14	10	
	63	-8	-22	10	
29+00N	60	-14	-24	–	
	50	-10	-14		
	48	-4			
30+00N					

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	QUAD OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	46	+7	8	15	
12+00N	48	+1	2	1	
	47	+1	7	–	
	45	+6	13	–	
	50	+7	14	2	
13+00N	51	+7	[illegible]	14	
	58	+4	0	17	
	58	-4	-6	0	
	53	-2	0	–	
14+00N	54	+2	1	1	
	55	-1	-1	0	
	53	0	1	0	
	55	+1	-1	1	
15+00N	55	-2	-2	–	
	53	0	2	–	
	53	+2	5	–	
	55	+3	9	–	
16+00N	53	+6	12	–	
	53	+6	16	–	
	55	+10	22	–	
	57	+12	24	2	

VLF – EM SURVEY

PROJECT LARA PAGE
GRID DATE
LINE 62W OPERATOR GB
SOURCE STATION

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	61	+12			
	67	+8	20	16	
	72	0	8	32	
	69	-2	-2	10	
18+00W	68	0	-2	0	
	70	-2	-2	6	
	67	-6	-8	10	
	62	-6	-12	2	290 12°
19+00W	58	-4	-10	-	10° 37
	55	0	-4	-	121 40
	53	+2	2	-	
	50	+2	4	-	
20+00W	53	+1	3	-	
	53	+4	5	-	
	52	+7	11	-	RAY BEG 20+25
	52	+8	15	-	238° FOR 79 m
21+00W	48	+13	21	-	254° " 90 m
	52	+15	28	-	225° 121 m
	50	+19	34	-	AT ST 18+50N
	58	+18	37	0	LN 64
22+00W	67	+16	24	10	
			27	14	

VLF – EM SURVEY

PROJECT LARA PAGE
GRID DATE Nov 10
LINE 62W OPERATOR GB
SOURCE STATION

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	68	+6			
	73	+6	12	-	
	75	+4	10	-	
29+00W	79	-1	7	16	
	80	-5	-6	14	
	77	-6	-11	4	
	73	-4	-10	3	
29+00S	72	-10	-14	9	
	68	-9	-19	10	
	63	-15	-24	-	
			-27		
31+00S	57	-12			BETWEEN L62
					260 AT
					29+00N
					235m

VLF – EM SURVEY

PROJECT LARA PAGE
GRID DATE Nov 10/82
LINE 64 W OPERATOR G.B.
SOURCE STATION

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
10+00N	40	+1	2		
	43	+1	1	7	
	45	0	-5	15	
	50	-5	-14	11	
11+00N	49	-9	-16	-	
	45	-7	-7	-	
	42	0	+4	-	
	40	+4	+19	-	
12+00N	42	+15	+32	4	
	48	+17	+15	35	✓
	63	-2	-3	16	
	55	-1	-1	1	
13+00N	55	0	-4	0	
	49	-4	-1	-	
	50	-1	+1	-	
	50	+2	+10	-	
14+00N	50	+8	+22	-	
	52	+14	+25	16	
	65	+11	+6	32	✓
	65	-5	-7	8	
15+00N	58	-2	-2	-	

VLF – EM SURVEY

PROJECT LARA PAGE
GRID DATE
LINE 64W OPERATOR GB
SOURCE STATION

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	42	+3			
	43	+7	+10	-	
21+00N	44	+7	+14	-	
	45	+6	+13	1	
	44	+8	+17	-	
	43	+13	+17	-	
22+00N	44	+10	+20	-	
	44	+11	+21	-	
	46	+16	+27	-	
	49	+17	33	-	
23+00N	53	+13	30	14	
	52	+6	19	18	✓
	46	+6	12	3	
	50	+10	16	-	
24+00N	52	+18	20	-	
	51	+11	21	-	
	53	+12	33	-	
	53	+11	23	1	
25+00N	55	+11	22	-	
	58	+13	24	-	
	62	+13	+26	1	
			+23	12	

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	73	+11	15	22	
	78	+4	4	17	
	75	0	-2	0	
23+00N	69	-2	-4	3	
	65	-2	-5	1	
	66	-3	-5	-	
	65	-2	-3	-	
24+00N	59	-1	0	-	RAIL BED 24+09E
	58	+1	2	-	
	59	+1	3	-	RAIL BED 24+15E
	67	+2	6	-	
25+00N	68	+4	9	0	
	68	+5	6	8	
	72	+1	1	2	
	68	0	4	-	
26+00N	63	+4	13	-	
	63	+9	19	-	
	63	+10	16	7	
	72	+6	12	7	
27+00N	75	+6	9	3	
	73	+3	9	-	

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	58	0	+1	-	
	55	+1	+1	0	
	53	0	+1	-	
18+00N	50	+1	+6	-	
	47	+5	+11	-	
	47	+6	+16	-	
	47	+10	+21	-	
17+00N	50	+11	+26	-	
	50	+15	+27	0	
	53	+12	+26	-	
	50	+14	+34	-	
16+00N	50	+20	+37	2	
	54	+17	+32	9	
	53	+15	+29	12	ROAD 18+50
	55	+13	+20	18	
15+00N	58	+7	+10	16	✓
	57	+3	+4	12	
	54	+1	-2	11	
	52	-3	-7	8	
20+00N	150	-4	-6	6	
	144	-2	+1	-	

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	68	+10	+14	18	✓
26+00N	68	+4	+5	11	
	62	+1	+3	-	
	58	+2	+9	-	
	59	+7	+15	-	
27+00N	60	+8	+20	-	
	53	+12	+25	7	
	58	+11	+17	8	CREST
	60	+6	+11	8	FLAT
28+00N	60	+5	+9	6	"
	60	+4	+5	8	"
	60	+1	+1	6	"
	64	0	-1	4	"
29+00N	66	-1	-5	12	"
	67	-4	-13	11	
	62	-9	-16	4	CREST OF HILL
	60	-7	-17	4	NORTH SLOPE
30+00N	58	-10	-20		
	56	-10			

VLF – EM SURVEY

PROJECT LARA PAGE
GRID DATE Nov 10/82
LINE 66+00 W OPERATOR GR
SOURCE STATION

STATION	OUT PHASE	IN PHASE	FRASER FILTER		REMARKS
0+00N					ROAD 12+00N
					POWER LINE HOUSE
	37	+4			MUSH
					"
10+00N					"
					"
					"
					"
	48	+12	23		
14+00S	42	+11	17	15	✓
	47	+6	8	15	
	52	+2	2	4	
	48	0	4	–	
18+00S	44	+4	13	–	
	44	+7	22	–	
	46	+13	25	10	
	58	+12	12	29	✓
14+00S	58	0	-4	20	
	53	-4	-8	3	ROAD 16+75N
	52	-4	-7	0	
	49	-3	-8	–	
30+00N	40	-5	-5	–	

VLF – EM SURVEY

PROJECT LARA PAGE
GRID DATE Nov 10/82
LINE 66 W OPERATOR GR
SOURCE STATION MAPLE

STATION	OUT PHASE	IN PHASE	FRASER FILTER		REMARKS
	47	+10			
	43	+7	17	5	
			15	0	TREE
23+00N	45	+8	17	–	
	42	+9	23	–	
	40	+14	27	–	
	42	+13	26	0	
24+00N	45	+13	27	–	
	43	+14	31	–	
	45	+17	33	5	
	51	+16	26	14	✓
25+00N	54	+10	19	5	
	52	+9	21	–	
	47	+12	26	–	
	45	+14	30	–	
26+00N	47	+16	33	0	
	50	+17	30	12	?
	53	+13	21	11	
	53	+8	19	–	
27+00N	54	+11	22	–	
	54	+11	22	0	
	54	+11	22	2	

VLF – EM SURVEY

PROJECT LARA PAGE
GRID DATE Nov 10/82
LINE 66 W OPERATOR CB
SOURCE STATION

STATION	OUT PHASE	IN PHASE	FRASER FILTER		REMARKS
31+00N					
30+00N	51	-6	-7	–	
	53	-1	-1	–	
29+00N	52	0	0	–	
	53	0	1	–	
34+00N	55	+1	1	1	
	58	0	0	6	
	58	0	-5	7	
	58	-5	-7		
35+00N	48	-2			

VLF – EM SURVEY

PROJECT LARA PAGE
GRID DATE Nov 9/82
LINE 68W OPERATOR GR
SOURCE STATION

STATION	OUT PHASE	IN PHASE	FRASER FILTER		REMARKS
18+00N					
	57	+8	17		
19+00N	57	+7	20	–	ROAD 19+05N
	52	+11	23	1	TR 165°
	57	+9	17	6	
	54	+10	20	–	
20+00N	56	+14	20	–	
	59	+16	25	7	
	67	+9	17	15	
	65	+4	20	–	
21+00N	61	+6	14	–	
	58	+8	17	–	
	59	+7	18	–	
	60	+9	19	0	
22+00N	59	+7	18	0	
	57	+9	18	–	
	57	+7	19	0	
	60	+10	19	2	OUTCROP
23+00N	58	+9			

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	NAA 24 PHASE	IN PHASE	FRASER FILTER		REMARKS
	38	0			
	38	+4	4	—	
	38	+6	10	—	
Broom	43	+10	16	—	
	45	+16	20	—	
	47	+14	20	1	
	45	+7	19	2	Road 18+35N TR 250°
19 room	44	+7	18	0	
	43	+10	19	—	
	38	+14	24	—	
	42	+20	34	—	
20 room	50	+16	36	19	✓
	55	+9	15	23	
	53	+4	17	6	
	47	+5	9	0	
21 room	43	+8	13	—	
	49	+8	16	—	
	47	+8	16	0	
	47	+8	16	—	
22 room	45	+14	18	—	
	47	+10	20	—	
			20	3	

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	NAA 24 PHASE	IN PHASE	FRASER FILTER		REMARKS
	53	+11			
28 room	52	+9	20	0	
	50	+13	22	—	
	57	+14	27	—	
	58	+14	28	0	
29 room	62	+13	27	7	
	75	+9	21	13	
	73	+5	14	12	
	75	+4	9	5	Coast of Main
30 room	73	+5	9	—	
	76	+5	10	2	
	82	+2 1	7	8	
	82	0	2	12	
31 room	83	-5	-5	15	
	76	-8	-13	12	
	74	-9	-17	5	
	72	-9	-18	2	
32 room	70	-10	-19	5	
	65	-13	-23	4	
	62	-9 10	-23	—	
	57	-8	-18	—	
			-14	—	

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	NAA 24 PHASE	IN PHASE	FRASER FILTER		REMARKS

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE _____

LINE _____ OPERATOR _____

SOURCE STATION _____

STATION	NAA 24 PHASE	IN PHASE	FRASER FILTER		REMARKS
	59	+9			
	55	+11	20	—	
	57	+10	21	—	
24 room	52	+11	21	—	
	46	+11	23	—	
	52	+16	27	—	
	57	+16	32	—	
25 room	58	+15	31	7	
	62	+10	25	18	
	52	+11	21	0	
	53	+14	25	—	
26 room	52	+20	34	—	
	58	+18	28	8	
	67	+8	26	23	
	61	+7	15	9	
27 room	58	+10	13	—	
	57	+10	20	—	
	58	+2	19	5	
	57	+7	15	4	
28 room	52	+7	14	—	
	52	+12	19	—	
			23	—	

VLF – EM SURVEY

PROJECT _____ PAGE _____

GRID _____ DATE Nov 9/82

LINE 68W OPERATOR G.P.

SOURCE STATION _____

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	55	+11	21	1	
	58	+10	22	-	
29+00N	58	+12	22	4	
	65	+10	18	8	
	64	+8	14	8	
	65	+6	10		
30+00N	62	+4			

VLF – EM SURVEY

PROJECT LARA PAGE _____

GRID _____ DATE Nov 13/82

LINE 69W OPERATOR G.P.

SOURCE STATION _____

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
20+00N	54	+8	16		Power Ln Noise
	60	+8	21	-	"
	55	+13	23	0	"
	62	+10	21	3	"
21+00N	58	+11	20	6	
	55	+9	15	6	
	54	+6	14	3	
	53	+5	12	-	
22+00N	53	+7	15	-	Road 22+07 N
	43	+8	17	-	
	45	+9	20	-	
	45	+11	23	-	
23+00N	47	+12	24	-	
	50	+12	24	1	
	48	+12	23	1	
	48	+11	23	-	
24+00N	47	+12	25	-	
	51	+13	24	-	
	51	+11	26	-	
	50	+15	31	-	
25+00N	48	+16	33	0	

VLF – EM SURVEY

PROJECT LARA PAGE _____

GRID _____ DATE Nov 9/82

LINE 70 W OPERATOR G.P.

SOURCE STATION _____

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
					P. Line 16+80N Road 19+05
21+00N	41	+9	19		
	41	+10	21	1	
	45	+11	18	8	
22+00N	47	+7	13	3	
	43	+6	15	-	
	40	+9	20	-	
	42	+11	25	-	
23+00N	43	+14	25	3	
	48	+11	22	2	
	48	+11	23	-	
	48	+12	24	0	Road 23+75 N Tr 127°
24+00N	48	+12	23	0	
	47	+11	24	-	
	48	+13	26	-	
	47	+13	26	0	
25+00N	48	+13	26	0	
	43	+13	26	-	
	42	+13	29	-	
	42	+16	33	-	

VLF – EM SURVEY

PROJECT LARA PAGE _____

GRID _____ DATE _____

LINE 70 W OPERATOR _____

SOURCE STATION _____

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	62	+3	3	10	
	58	0	0	2	
32+00	60	0	1	-	
	56	+1	3	-	
	52	+2	2	3	
	58	0	0	-	
33+00	57	0	3	-	
	54	+3	7	-	
	53	+6	15	-	
	53	+7	21	-	
34+00	59	+12	21	4	
	63	+9	17	2	
	64	+8	17	-	
	60	+11	26	-	
35+00	58	+15	30	2	
	62	+15	24	10	
	65	+9	20	2	
	62	+11	22		
36+00	62	+71			

VLF – EM SURVEY

PROJECT ______ PAGE ______

GRID ______ DATE ______

LINE ______ OPERATOR ______

SOURCE STATION ______

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS

VLF – EM SURVEY

PROJECT ______ PAGE ______

GRID ______ DATE ______

LINE ______ OPERATOR ______

SOURCE STATION ______

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	47	+17			[illegible]
	48	+18	31	7	
	48	+12	26	6	
26+00W	45	+13	25	0	26 Tie Ln
	46	+13	26	-	
	54	+13	26	2	
	52	+11	24	13	
27+00W	47	+2	13	21	
	45	+1	3	12	
	35	0	1	0	
	40	+3	3	-	
28+00W	42	+6	7	-	
	38	+5	11	-	Outcrop Diorite
	37	+11	16	-	
	42	+12	23	-	
29+00W	42	+14	26	-	
	46	+13	27	2	
	48	+11	24	8	
	50	+8	17	8	Creek; Out Rhyolite
30+00W	48	+8	16		

VLF – EM SURVEY

PROJECT ______ PAGE ______

GRID ______ DATE ______

LINE ______ OPERATOR ______

SOURCE STATION ______

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
	47	+18			
	47	+18	36	2	
	48	+15	33	2	
[illegible]	50	+19	34	-	
	55	+21	40	2	
	66	+11	32	20	
	69	+4	30	22	
[illegible]	75	+1	10	18	
	62	+1	2	6	
	59	+3	4	-	
	57	+2	5	-	
[illegible]	57	+3	5	-	
	57	+4	7	-	
	57	+3	7	0	
	52	+4	7	-	
[illegible]	50	+4	8	-	
	52	+5	9	-	
	55	+4	9	0	
	50	+5	9	-	
[illegible]	53	+7	12	-	
	[illegible]	[illegible]	14	-	

VLF – EM SURVEY

PROJECT [illegible] PAGE ______

GRID ______ DATE Nov 20

LINE 74W OPERATOR C.B.

SOURCE STATION ______

STATION	OUT OF PHASE	IN PHASE	FRASER FILTER		REMARKS
26+50W	48	+21			
	50	+18	37		
27+00W	53	+16	34	6	
	55	+17	33	0	
	59	+17	34	0	
	63	+16	23	6	
28+00W	65	+12	28	13	
	60	+2	20	14	
	60	+4	14	11	
	60	+3	9	11	
29+00W	60	0	3	9	
	58	0	0	2	
	60	+1	1	-	
	55	0	1	0	
30+00W	53	+1	1	-	
	57	+2	3	-	
	58	+1	3	0	
	56	+2	3	-	
31+00W	58	+2	4	2	
	63	-1	1	8	
31+50W	61	-3	-4		

Statement of Expenditures

A. LABOUR:

G. Belik, M. Sc. (Oct. 7 - 24, Nov. 3 - Dec. 4, 1982)		
-50 days at $250.00/day	$12,500.	
B. Dawson, line-cutter, (Oct. 8 - Dec. 4, 1982)		
-58 days at $110.00/day	6.380.	
R. Henderson, line-cutter, (Oct. 9 - Nov. 17, 1982)		
-40 days at $140.00/day	5,600	
L. Novai, assistant (Oct. 29 - Nov. 1, 1982)		
-3.5 days at $80.00/day	280.	
P. Nicholson, assistant, (Nov. 2 - 14, 1982)		
-11.5 days at $80.00/day	920.	
R. Orchard, assistant, (Nov. 16-24, 1982)		
-8.0 days at $80.00/day	640.	
W. Gruenwald, (Drafting)		
-116 hours at $20.00/hr.	2,320.	
		$28,640.

B. TRUCK RENTAL:

2 vehicles - including gas, maintenance, insurance and mileage;	4,707.24

C. FOOD AND ACCOMMODATION:

including Aberford & Phoenix Crews:	10,936.89

D. FIELD SUPPLIES: 1,005.80

Continued