GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL REPORT

- on the -

ALLENDALE LAKE PROPERTY
OSOYOOS AND GREENWOOD MINING DIVISIONS, BRITISH COLUMBIA

- for -

ALLENDALE RESOURCE CORP.
224 ESPLANADE STREET,
NORTH VANCOUVER, B.C.
V7M 1A4

COVERING: Fox and Lynx Claims

LOCATION: (1) 49° 23' North Latitude
119° 21' West Longitude

(2) NTS Map No. 82E/6W

Prepared by:

KERR, DAWSON AND ASSOCIATES LTD.,
#206, 310 NICOLA STREET,
KAMLOOPS, B.C. V2C 2P5

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Werner Gruenwald, B. Sc.

May 18, 1984.

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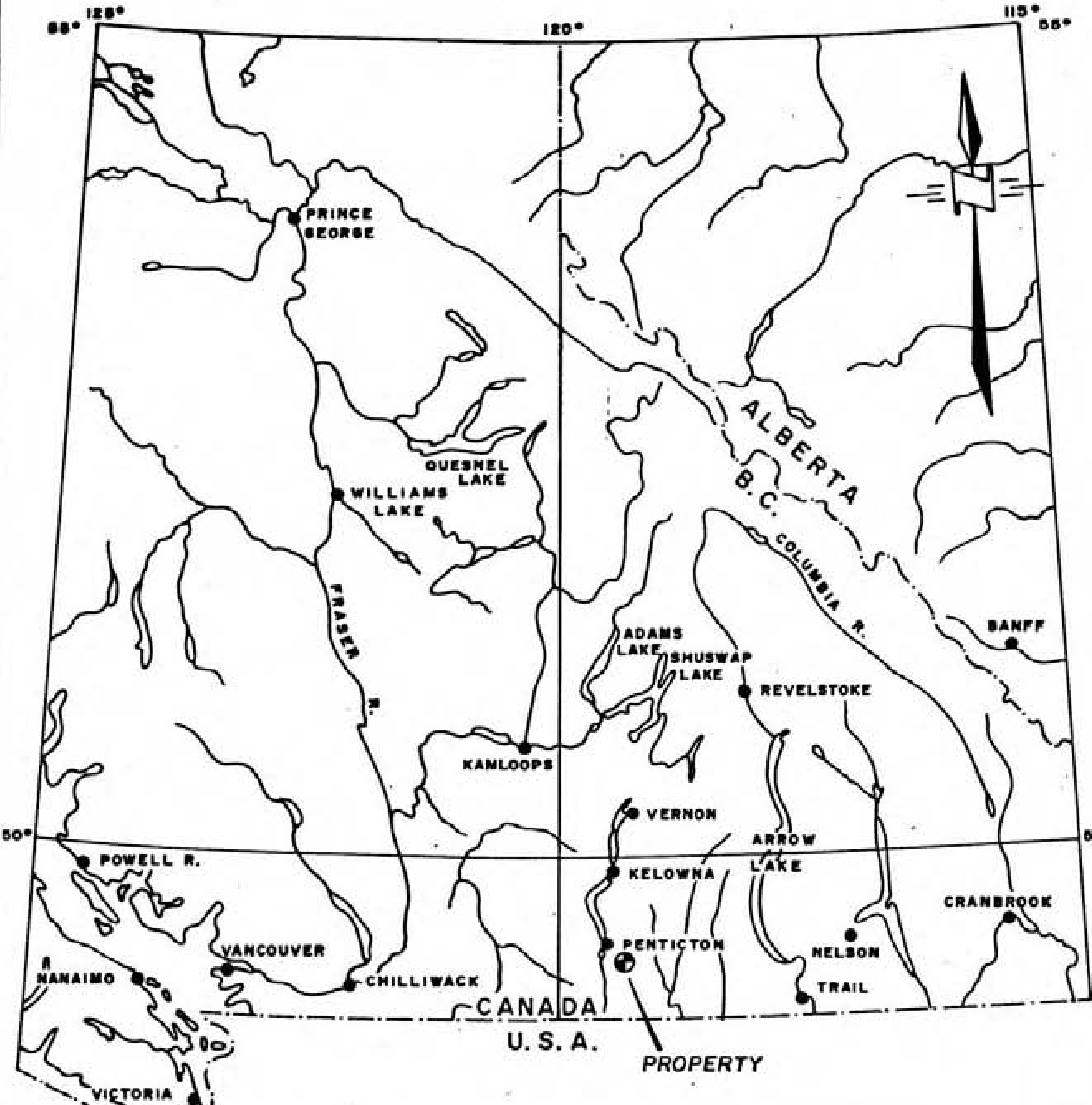


ALLENDALE RESOURCE CORP.	
LOCATION MAP ALLENDALE LAKE PROPERTY OSOYOOS & GREENWOOD M.D., B.C.	
Date: May, 1984.	Scale: 1" = 64 Miles
Dwn by: W.G.	Dwg no. 282-1

INTRODUCTION

The Allendale Lake property was staked in the early 1980's to cover copper/silver mineralization associated with a Tertiary stock near Okanagan Falls, B.C. During the summer of 1982, Allendale Resource Corp. completed five diamond drill holes in areas of known mineralization. Kerr, Dawson and Associates Ltd. were retained in 1982 to examine the core, assay data, and showing area. The results of this examination are described in a report by J.R. Kerr, P. Eng. dated November 5, 1982.

The recommendations outlined in Mr. Kerr's Phase I programme were carried out during the 1983 field season. The present writer's compilation and appended maps outline, in detail, the results and interpretations of the 1983 programme. This report is meant to fulfil the B.C. Ministry of Energy, Mines and Petroleum Resources assessment work requirements.

SUMMARY

1). The Allendale Lake property consists of 10 mineral claims (104 units), located in the Osoyoos and Greenwood Mining Divisions. The property is located 18 kilometers east of Okanagan Falls and is accessible by gravel road (approximately 25 km.).

2). The claims were located to cover known copper/silver mineralization in a Tertiary syenite stock. Mineralization was believed to have been discovered in the early 1960's with subsequent drilling being carried out by Selco in the early 1970's. The property lay dormant until 1982 when Allendale Resource Corp. completed five diamond drill holes in the area of the known showings.

3). The 1983 exploration programme consisted of reconnaissance geochemical and magnetic surveys over much of the claim block. Follow-up detailed geochemical, geological, magnetic and induced polarization surveys were carried out in the anomalous target areas of the south-central portion of the claim block.

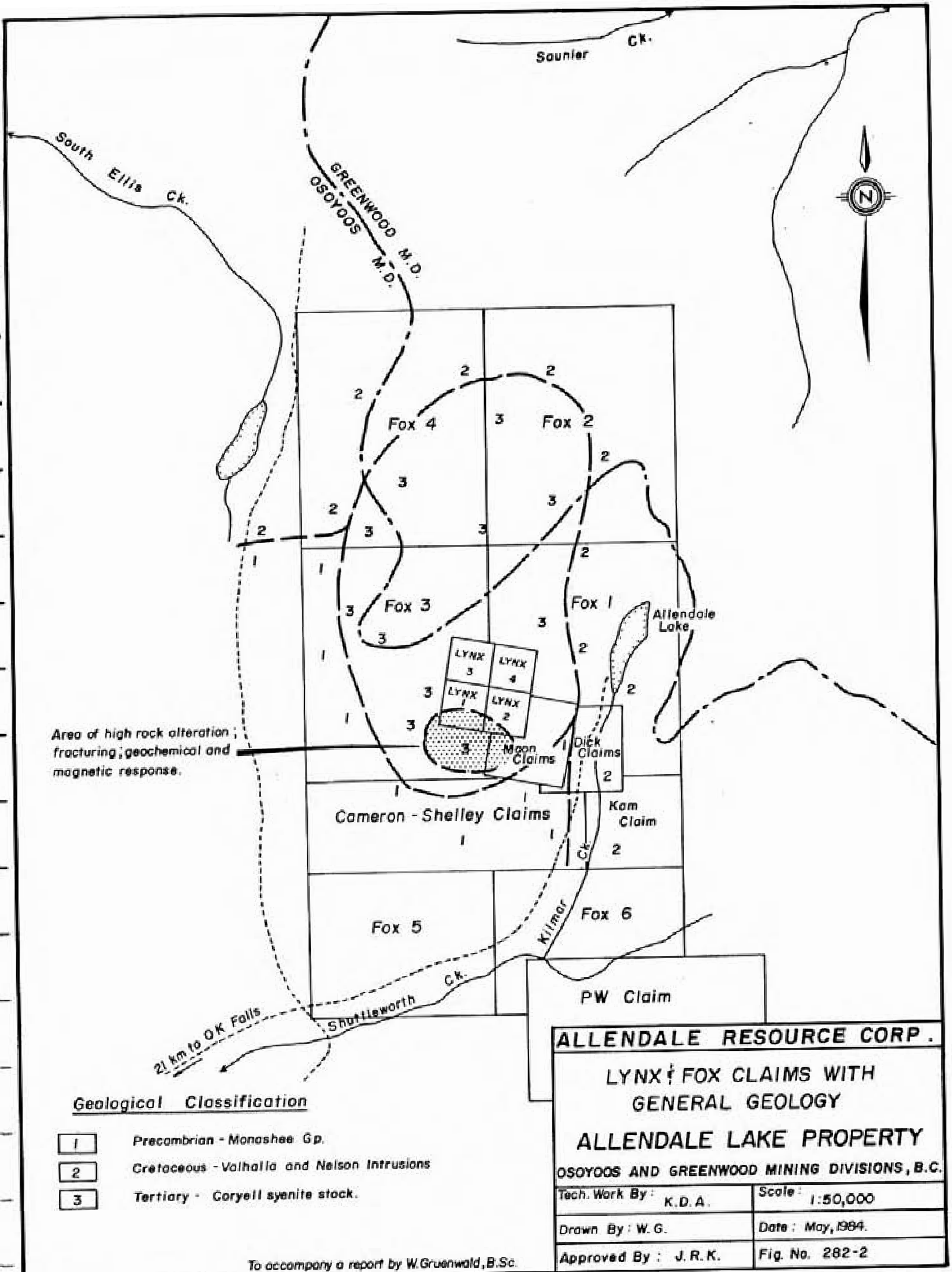
4). The property is primarily underlain by a coarse grained, porphyritic Tertiary syenite stock. Mapping indicates that the northern portion of the stock is fresh, massive and generally devoid of structural features. Rocks found in the southern portion of the stock indicate several phases of intrusive activity manifested by variable alteration intensity, composition and structural features. Geological evidence, to date, suggests that late stage structural and/or intrusive activity may have been centered in or around a prominant arcuate basin found around L-4N; 2+00W.

5). The 1983 geochemical data indicates several zones of copper and silver mineralization. Co-incident I.P. anomalies have provided five distinct targets for further exploration. Magnetic data lends support to the hypothesis of a structural and/or intrusive center being associated with the arcuate basin on L-4N; 2+00W. To test the 1983 results, a 750 meter (~ 2,500 ft.) diamond drill programme is recommended.

LOCATION AND ACCESS

The property is located 18 km. east of Okanagan Falls, B.C., in the southern portion of the Okanagan Valley. Geographic co-ordinates for the approximate center of the property are 49° 23' North latitude and 119° 21' West longitude on N.T.S. Map No. 82E/6W.

Access to the claims is via a well maintained logging road to Allendale Lake, a distance of 24 km. from Okanagan Falls, and thence 1.5 km. west to the main showings along a 4 x 4 road. Access to other areas of the claim block is possible via several logging roads.


Sounier Ck.
South Ellis Ck.
GREENWOOD M.D.
OSOYOOS M.D.
Fox 4
Fox 2
Fox 3
Fox 1
Allendale Lake
LYNX 3
LYNX 4
LYNX 1
LYNX 2
Moon Claims
Dick Claims
Area of high rock alteration; fracturing; geochemical and magnetic response.
Cameron - Shelley Claims
Kam Claim
Kilmar Ck.
Fox 5
Fox 6
PW Claim
Shuttleworth Ck.
21 km to O.K. Falls
N
Geological Classification
1 Precambrian - Monashee Gp.
2 Cretaceous - Valhalla and Nelson Intrusions
3 Tertiary - Coryell syenite stock.
To accompany a report by W. Gruenwald, B.Sc.
ALLENDALE RESOURCE CORP.
LYNX & FOX CLAIMS WITH GENERAL GEOLOGY
ALLENDALE LAKE PROPERTY
OSOYOOS AND GREENWOOD MINING DIVISIONS, B.C.
Tech. Work By: K.D.A.
Scale: 1:50,000
Drawn By: W.G.
Date: May, 1984.
Approved By: J.R.K.
Fig. No. 282-2

PHYSIOGRAPHY AND VEGETATION

The claims are situated on the divide between the Okanagan and Kettle River valleys. Topographic relief ranges from 1500 m (a.s.l.) to 1850 m (a.s.l.). Slopes are generally moderate, however, locally precipitous areas are found adjacent to some rocky knolls.

Found in the southern portion of the claims is a topographic feature of considerable interest. Centered on L-4N; 2+00W is an arcuate shaped, steep walled valley approximately 1,000 meters in diameter. The valley bottom is flat, containing a small lake surrounded by a large swampy area. Apparent on both aerial and satellite photos, this area is highly suggestive of a major structural or lithologic event.

The property is for the most part lightly forested, consisting of stands of jackpine and fir. Local depressions are often the site of swampy areas and light to thick deciduous underbrush. Overburden in these depressions is generally deep while most other areas have only a thin to moderate veneer of glacial overburden. Rocky knolls are only lightly covered by overburden and are occasionally devoid of vegetation.

PROPERTY

The property consists of ten mineral claims, details of which are as follows:

Name	Type of Claim	Record No.	No. of Units	Mining Division	Expiry Date
Lynx 1	2 post	15423	1	Osoyoos	June 10, 1986
Lynx 2	2 post	15424	1	Osoyoos	June 10, 1986
Lynx 3	2 post	1422	1	Osoyoos	July 16, 1986
Lynx 4	2 post	1423	1	Osoyoos	July 16, 1986
Fox 1	M.G.S.	3103	20	Greenwood	June 21, 1987
Fox 2	M.G.S.	3104	20	Greenwood	June 21, 1987
Fox 3	M.G.S.	3105	20	Greenwood	June 21, 1987
Fox 4	M.G.S.	3106	20	Greenwood	June 21, 1987
Fox 5	M.G.S.	1892	20	Osoyoos	Sept.20, 1984
Fox 6	M.G.S.	1893	20	Osoyoos	Sept.20, 1984

The Lynx 1 and 2 claims are recorded in the name of Robert Bechtel, and the Lynx 3 and 4 claims are recorded in the name of Florence Bechtel (nee Niddery). These claims are under an option agreement to Allendale Resource Corp.

The Moon and Dick claims were located after the Lynx claims, and prior to the location of the Fox claims. At last report these claims were in good standing, and are recorded in the name of Knie Resources Ltd. Thus any portion of these claims falling within the Fox claims will take precedence over that portion of the Fox claims. The Cameron, Shelley, Kam and P.W. claims postdate the Fox 1-4 claims but were located prior to the Fox 5 and 6 claims. Therefore, only those portions of the Fox 5 and 6 claims outside of these claims are in good standing. Since many of the claim posts have been located during the course of the field programme, the accompanying claim map (Fig. No. 282-2) is considered relatively accurate.

HISTORY

It is unknown when mineralization was first discovered at Allendale Lake however, during the 1960's the property was recognized for its porphyry copper potential. Work in the past consisted of trenching and the drilling of at least two drill holes. This work was completed by Selco in the early 1970's however, no evidence or documentation of an organized exploration programme (ie-geochemistry, geophysics) has been found.

Allendale Resource Corp. acquired the property and completed a five hole diamond drill programme during 1982. This work is documented in a report by J.R. Kerr, P. Eng. dated November 5, 1982.

EXPLORATION PROGRAMME (1983)

Initially a reconnaissance grid was established over a large portion of the Allendale property. This consisted of a 5 km. north-south baseline and 44 km. of east-west grid lines at 500 meter intervals. Sample sites were marked every 50 meters. Soil sampling and magnetometer readings were completed on this grid with the exception of two lines (L-40N, L-45N). Anomalous soil values and highly erratic magnetic readings necessitated the establishment of a detailed grid from L-0 to L-20N (Total 32 km.). Lines were spaced at 100 meters with stations every 50 meters. Soil sampling and magnetometer readings were taken over this grid as well. Geological mapping was carried out with the emphasis on the southern portion of the claim block. Rock chip sampling was carried out concurrently with the geological mapping. All of the above work was completed by the staff of Kerr, Dawson and Associates Ltd.

In late September, 1983 an I.P. survey was carried out over 13 km. of grid between L-4N and L-11N. This phase of the programme was co-ordinated by the staff of Phoenix Geophysics Ltd. with back up support by Kerr, Dawson and Associates Ltd.

The geophysical staff of Phoenix Geophysics Ltd. compiled all of the I.P. data and have submitted their interpretation in a separate report. A summary of these results is included in this report as well as on a 1:5000 scale compilation plan (see figure No. 282-6).

GEOLOGY

The general geological setting of the Allendale Lake area is documented on the 1"=4 mile G.S.C. Map sheet #15-1961, by H.W. Little.

The claim block covers a small (8 km^2) syenitic stock related to the mid-Tertiary Coryell intrusions. This stock intrudes granodiorite and quartz monzonite rocks of the Cretaceous Valhalla and Nelson plutonic events, as well as schists and gneisses of the pre-Cambrian Monashee Group. Outliers of mid-Tertiary sedimentary and volcanic rocks exist within the general area of the claims.

Geological mapping was completed on a reconnaissance basis over the entire claim block with emphasis on the detailed grid area. Field work by the writer and J.R. Kerr, P. Eng. along with the documented drill logs of Mr. Kerr have led to a better understanding of the structural features and intrusive complexities of the property. At present four distinct phases of the Coryell syenite stock are recognized as follows:

1). Coarse grained, porphyritic, dark grey hornblende/biotite rich syenite distinguished by large phenocrysts of white orthoclase. The rock is generally massive, fresh and relatively unfractured. Alteration when present is weak and includes kaolinization of the orthoclase, chloritization of the mafic minerals (biotite, hornblende), and chlorite/epidote along fractures. Pyrite is occasionally disseminated in the rock or found along fractures. Magnetite content is relatively high (1-3%), being found as grains and clots throughout the rock.

2). Fine to medium grained, mafic rich dark grey to black intrusive rock (syenite?). Contacts of this rock with the main syenite mass are very gradational. Weak to moderate chloritic alteration is prevalent. Occasionally this rock contains appreciable pyrite (1-3%) and traces of chalcopyrite.

3). Light grey, fine to medium grained syenite or monzonite. The mafic content is considerably lower than in the main syenite mass. Mafic minerals when observed consist primarily of biotite. The rock is generally fresh, massive and shows little or no alteration. The contacts of this rock are sharp and well defined suggesting it to be a separate and probably later intrusive event.

4). Small pods, dykes and sills of fine grained to locally coarse grained buff/white/light grey granodiorite, granite or aplitic (pegmatitic) rock. Both the mineralogy and secondary alteration of this rock are highly variable. Alteration is highly variable ranging from weak to strong secondary silicification, sericitization, potassium feldspar and kaolinization. Sulphide content is also quite variable, with assays indicating a content of 2-5% Cu and 1-3 oz/t Ag. Sulphides observed include pyrite, chalcopyrite, chalcocite, bornite, and possible tetrahedrite. These pods and dykes of variably mineralized rock appear locally prevalent however, diamond drill records (J.R. Kerr) indicate the encounter of only one 10-15 cm dyke. Bedrock exposures are generally well oxidized with abundant copper carbonate stain.

To give an idea of the local complexities of the above rock unit, the area of rock sample AR-10 is cited. This area is the site of some blasting along an old road which has exposed a coarse grained biotite syenite. Near the center of the exposure is a northerly trending, steeply dipping, 1.5 meter wide pegmatitic dyke. This dyke consists primarily of "graphic granite" and irregular patches of massive quartz and minor amounts of chlorite, sericite, amphibole, fluorite, chalcopyrite, malachite and magnetite. The syenite in the immediate area contains disseminations and fractures containing chlorite, epidote, pyrite, chalcopyrite, malachite, magnetite and molybdenite.

These pods, sills and dykes intrude all other phases and variations of the syenite and likely represent the last geological event associated with the syenite intrusion.

Observed in numerous outcroppings and in drill core are irregular masses of fine to coarse grained, dark grey to black rock thought to be highly thermally altered xenoliths. These xenoliths or inclusions appear to be of intrusive origin however, they cannot be definitely identified with the dark altered mafic rich phase of the syenite previously discussed.

There appears to be an apparent spatial distribution of the various phases of this particular intrusion. In the northern portion of the stock, the coarse grained, porphyritic variety (1) is most abundant. The southern portion of the stock (south of L-20N) sees the gradational increase in the abundance of the other phases. Accompanying the phase change is an increase in structural elements such as fault and fracture densities, alteration intensity and copper mineralization.

The arcuate land feature in the south-central portion of the property would appear to be the center of a major structural, intrusive and/or extrusive event. Specifically, this feature may be a major fault center, a later altered felsic phase, a breccia pipe or a volcanic caldera. Though no direct geological evidence points directly to any one of these possibilities, the geochemical and especially the magnetic expression lend support to this hypothesis.

GEOCHEMISTRY

The initial work carried out in the 1983 programme involved the establishment of a chain and compass reconnaissance grid over the entire property. A north-south oriented baseline was run along the center claim line (Fox 1-4) with east-west cross lines at 500 meter intervals. Fill-in cross lines at 100 meter intervals were established from L-ON to L-20N. In all, a total of 81 km. of lines were established. Sample stations were marked at 50 meter intervals along all grid lines.

Sampling over this grid resulted in the collection of 1,484 soil samples and 42 rock chip samples. Soil samples were collected from the "B" horizon when possible and were placed in kraft envelopes labelled with the appropriate grid co-ordinates. All soil and rock samples were then shipped to Acme Analytical Laboratories Ltd. for copper, silver and gold analysis.

After drying the soil samples were sieved to obtain a -80 mesh fraction. Rock samples were crushed to obtain the appropriate mesh size. Sample analyses were as follows:

Element	Digestion	Determination
Copper, Silver	A 0.5g sample is digested in hot nitric and hydrochloric acid for 1 hour and then diluted to 10 ml with water.	Atomic Absorption
Gold	A 10g sample is ignited and then digested in hot aqua regia.	Atomic Absorption

The results for copper and silver are expressed in parts per million (ppm) and gold is expressed parts per billion (ppb). All geochemical values have been plotted on accompanying base maps at a scale of 1:5,000 (see figure no.s 282-3,4). A separate map for gold has not been drawn up due to the limited number of samples analysed for gold and the negative results obtained.

From inspection of the geochemical data the following geochemical categories for copper and silver were derived.

	Copper	Silver
Probably Anomalous	50-150 ppm	0.3-0.5
Definitely Anomalous	> 150 ppm	>0.5 ppm

Metal values falling within these categories were coded with symbols and presented on the accompanying geochemical plans. In addition, the significant copper/silver anomalies are presented on a compilation plan (see figure 282-6) to ascertain if any coincidence with magnetics and/or I.P. exist.

The geochemical response in the northern portion of the claims is very low with the background content of copper and silver being in the range of 2-10 ppm and 0.1 ppm respectively. A few erratic anomalies in the 20-40 ppm range do exist however, these are likely organic concentrations of copper and therefore of no significance.

In the southern portion of the claims the copper background increases to the 20-30 ppm range and silver increases to 0.2 to 0.3 ppm. Erratic, isolated anomalies ranging 50-100 ppm Cu, and 0.5-0.6 ppm Ag in the area between L-12N and L-15N are known to at least in part reflect the small mineralized dykes and sills in this area.

Geochemically, the most significant area is found from L-4N to L-12N between 3+00E and 12+00W. Soil anomalies in the range of 150-1450 ppm Cu and 0.6-1.3 ppm Ag are indicated, with a moderately good correlation between the two metals. Field investigation of the anomalous areas by the writer demonstrated the presence of copper mineralization in several areas. Rock chip sample locations with the appropriate metal values are plotted on the geochemical plans to exemplify this fact.

In the valley floor, between lines 3N and 7N, deep swampy overburden exists and therefore this area was not sampled. However, soils from around the north, west and eastern edges of this swamp are quite anomalous. This would seem to suggest that the anomalies in this area may be considerably larger, taking in a large portion of the swampy area.

Soils from L-4N to L-12N were analyzed for gold, however no anomalous values were encountered.

GEOPHYSICS

A magnetometer survey was carried out on the property using a Geometrics Model G-836 Proton Magnetometer. This particular instrument measures the total magnetic field of an area with a 10 gamma (γ) accuracy limit.

The magnetic response over the property is quite varied due primarily to the multiphase nature of the intrusive body. In the northern portion of the property the background magnetic field ranges from 58,000γ to 58,500γ with very few erratic variations. This correlates well with the massive, dense, unaltered syenite which is known to have an evenly disseminated magnetite content in the range of 1-3%.

In the southern portion of the property, primarily south of L-15N, the following magnetic features are evident:

1). An arcuate pattern of erratic magnetic "lows" and "highs" ranging from 53,000 - 62,000γ follows the rim of the circular, steep-walled valley.

2). An elongated magnetic pattern of "highs" ranging to 63,000γ entends from L-0 to L-20N at 8+00 to 10+00W.

3). A broad magnetic "low" ranging from 57,500γ to 58,500γ is found in and around the floor of the circular valley (swamp). There appears to be a good correlation between the geochemical anomalies and the "lows" in this area.

The magnetic features outlined above are suggestive of intrusive and/or extrusive activity. The magnetic "low" in the valley floor would seem to indicate a rock type low in magnetic minerals, such as felsic igneous/volcanic rocks. The erratic magnetic response surrounding the valley is suggestive of an alteration zone or phase that contains erratically distributed pods of magnetic minerals. This magnetic feature has associated chlorite, epidote, secondary biotite and kaolinite alteration.

The northerly trending feature extending from L-0 to L-20N at 8+00 to 10+00W may be an "offshoot" of the arcuate magnetic "highs" and "lows" or possibly a localized fault or shear zone.

The results of the Induced Polarization survey are briefly summarized here. A comprehensive description of I.P. methodology, results and interpretation are outlined in a separate report by Phoenix Geophysics Ltd. (Dec.16, 1983). This work and the report have been filed for assessment work separate from the writer's report.

In summary, the "definite" category I.P. anomalies generally coincide with the zone of erratic magnetic response, and likely represents a significantly high content of magnetite ± other sulphides. The only correlation of definite I.P. anomalies to geochemical anomalies is found on L-11N; 10+00W and on L-10N; 6+00W. Several weak to moderate category I.P. anomalies have been interpreted within the broad magnetic "low" to directly correlate with copper (silver) geochemical anomalies. These zones should also be regarded as viable exploration targets.

EXPLORATION POTENTIAL

The compilation of the present data would seem to indicate that a geological environment(s) capable of hosting a large tonnage ore deposit could exist on the Allendale property. Discussion of the results of the 1983 programme between the writer and Mr. Kerr have established five viable exploration targets.

I. L-3N to L-5N from the B/L to 5+00W

This area is largely underlain by swamp, where I.P. and geochemical response is detected only on the western and eastern flank of the swamp. The eastern portion of this zone is apparently on the Moon claims, not controlled by Allendale.

II. L-7N to L-10N from the B/L to 2+50E

The strongest copper/silver geochemical anomaly forms a lineal pattern in a general NW-SE direction. This anomaly correlates well with moderate strength I.P. anomalies detected on all lines. The I.P. response is confused to the east, probably due to a high magnetite content. This coincident I.P./geochemical anomaly can be traced to the south of Lines 5+00N and 6+00N, however this portion of the anomaly falls on the Moon claims.

III. L-7N to L-10N; 5 to 6+00W

A strong copper/silver geochemical anomaly is coincident with moderate-strong I.P. response. The area flanks the zone of erratic magnetic response. Float of highly altered, felsic intrusive rock is noted in this area.

IV. L-8N to L-10N (B) from 1+50W to 3+00W

This zone is the largest most consistent copper geochemical anomaly, with no obvious silver correlation. Moderate I.P. response is detected on L10+00N (B), which does not correlate well with the anomaly, however down-hill dispersion of geochemical values must be suspected, as the area of the anomaly is very steep.

V. L-10N (B) and L-11N; 10+00W

A copper geochemical anomaly coincides with a strong I.P. anomaly. Outcrop exposures indicates lenses and pods of bornite/chalco pyrite rich felsic intrusions in this area.

All five targets are sufficiently advanced to the drill stage of exploration, which warrants the following recommended exploration programme.

RECOMMENDATIONS

The results of the 1983 programme are considered encouraging. Having developed a viable model for a major ore deposit it is recommended that Allendale continue to the next phase of exploration. The following two phase programme is recommended:

Phase I:

1). Five sites have been selected that warrant diamond drilling. Holes should be drilled to a minimum of 150 meters (~ 500ft.)

2). Drill access roads established into proposed drill sites with any rock cuts being examined and sampled if warranted.

3). Log, split and sample the drill core as drilling progresses. Mineralized sections should be sampled and assayed for copper, silver and gold.

4). Compile drill results in report form.

Phase II:

Contingent on favourable results in Phase I a second phase of drilling is recommended utilizing rotary or percussion methods.

Respectfully Submitted by:
KERR, DAWSON & ASSOCIATES LTD.

W. Gruenwald, B. Sc.
GEOLOGIST

Kamloops, B.C.
May 18, 1984.

APPENDIX A

GEOCHEMICAL RESULTS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH:253-3158 TELEX:04-53124

DATE RECEIVED SEPT 26 1983

DATE REPORTS MAILED Sept 29/83

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : PULP
AU* - 10 GM, IGNITED, HOT AQUA REGIA LEACH MIBK EXTRACTION, AA ANALYSIS.

ASSAYER D. Toye DEAN TOYE, CERTIFIED B.C. ASSAYER

KERR DAWSON & ASSOCIATES FILE # RE: 83-1390 PAGE# 1

SAMPLE	AU* PPB
11N BL	5
10+50N BL	5
10N BL	5
9+50N BL	5
9N BL	5
8+50N BL	5
8N BL	5
7+50N BL	5
7N BL	5
6+50N BL	5
6N BL	5
5+50N BL	5
5N BL	5
4+50N BL	5
4N BL	5
3+50N BL	5
3N BL	5
10N 10W	5
10N 9+50W	5
10N 9W	5
10N 8+50W	5
10N 8W	5
10N 7+50W	5
10N 7W	5
10N 6+50W	5
10N 6W	5
10N 5+50W	5
10N 5W	5
10N 4+50W	5
10N 4W	5
10N 3+50W	5
10N 3W	5
10N 2+50W	5
10N 2W	5
10N 1+50W	5
10N 1W	5
10N 0+50W	5

SAMPLE	AU* PPB
10N 0+50E	5
10N 1E	5
10N 1+50E	5
10N 2E	5
10N 2+50E	5
10N 3E	5
10N 3+50E	5
10N 4E	5
10N 4+50E	5
10N 5E	5
5N 10W	5
5N 9+50W	5
5N 9W	5
5N 8+50W	5
5N 8W	5
5N 7+50W	5
5N 7W	5
5N 6+50W	5
5N 6W	5
5N 5+50W	5
5N 5W	5
5N 4+50W	5
5N 4W	5
5N 3+50W	5
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5N 2E	5
5N 2+50E	5
5N 3E	5
5N 3+50E	5
5N 4E	5
5N 4+50E	5
5N 5E	5

ACME ANALYTICAL LABOR. .ORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH:253-3158 TELEX:04-53124

DATE RE.EIVED SEPT 26 1983
DATE REPORTS MAILED Sept 29/83

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : PULP
AU* - 10 GM, IGNITED, HOT AQUA REGIA LEACH MIBK EXTRACTION, AA ANALYSIS.

ASSAYER D. Toye DEAN TOYE, CERTIFIED B.C. ASSAYER

KERR DAWSON PROJECT # 282 GROUP-LX FILE # RE: 83-1682 PAGE# 1

SAMPLE	AU* PPB
4N 10W	5
4N 9+50W	5
4N 9W	5
4N 8+50W	5
4N 8W	5
4N 7+50W	5
4N 7W	5
4N 6+50W	5
4N 6W	5
4N 5+50W	5
4N 5W	5
4N 4+50W	5
4N 4W	5
4N 3+50W	5
4N 3W	5
3N 10W	5
3N 9+50W	5
3N 9W	5
3N 8+50W	5
3N 8W	5
3N 7+50W	5
3N 7W	5
3N 6+50W	5
3N 6W	5
3N 5+50W	5
3N 5W	5
3N 4+50W	5
3N 4W	5
3N 3W	5
3N 1W	5
3N 0+50E	5
3N 1E	5
3N 1+50E	5
3N 2E	5
3N 2+50E	10
3N 3E	5
3N 3+50E	5
3N 4E	10
3N 4+50E	5
3N 5E	5

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH:253-3158 TELEX:04-53124

DATE RECEIVED SEPT 26 1983
DATE REPORTS MAILED Sept 29/83

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : PULP
AU* - 10 GM, IGNITED, HOT AQUA REGIA LEACH MIBK EXTRACTION, AA ANALYSIS.

ASSAYER D. Toye DEAN TOYE, CERTIFIED B.C. ASSAYER

KERR DAWSON PROJECT # 282 FILE # RE: 83-1622

SAMPLE	AU* PPB
11N 10W	5
11N 9+50W	5
11N 9W	5
11N 8+50W	5
11N 8W	5
11N 7+50W	5
11N 7W	5
11N 6+50W	5
11N 6W	5
11N 5+50W	5
11N 5W	5
11N 4+50W	5
11N 4W	5
11N 3+50W	5
11N 3W	5
11N 2+50W	5
11N 2W	5
11N 1+50W	5
11N 1W	5
11N 0+50W	5
11N 0+50E	5
11N 1E	5
11N 1+50E	5
11N 2E	5
11N 2+50E	5
11N 3E	5
11N 3+50E	5
11N 4E	5
11N 4+50E	5
11N 5E	5
10N-B 10W	5
10N-B 9+50W	5
10N-B 9W	5
10N-B 8+50W	5
10N-B 8W	5
10N-B 7+50W	5
10N-B 7W	5
10N-B 6+50W	5

SAMPLE	AU* PPB
10N-B 6W	5
10N-B 5+50W	5
10N-B 5W	5
10N-B 4+50W	5
10N-B 4W	5
10N-B 3+50W	5
10N-B 3W	5
10N-B 2+50W	5
10N-B 2W	5
10N-B 1+50W	5
10N-B 1W	5
10N-B 0+50W	5
9N 0+50E	5
9N 1E	5
9N 1+50E	5
9N 2E	5
9N 2+50E	5
9N 3E	5
9N 4E	5
9N 4+50E	5
9N 5E	5
8N 10W	5
8N 9+50W	5
8N 9W	5
8N 8+50W	5
8N 8W	5
8N 7+50W	5
8N 7W	5
8N 6+50W	5
8N 6W	5
8N 5+50W	5
8N 5W	5
8N 4+50W	5
8N 4W	5
8N 3+50W	5
8N 3W	5
8N 2+50W	5

SAMPLE	AU* PPB
8N 2W	5
8N 1+50W	5
8N 1W	5
8N 0+50W	5
8N 0+50E	5
8N 1E	5
8N 1+50E	5
8N 2E	5
8N 2+50E	5
8N 3E	5
8N 3+50E	5
8N 4E	5
8N 4+50E	5
8N 5E	5
7N 10W	5
7N 9+50W	5
7N 9W	5
7N 8+50W	5
7N 8W	5
7N 7+50W	5
7N 7W	5
7N 6+50W	5
7N 6W	5
7N 5+50W	5
7N 5W	5
7N 4+50W	5
7N 4W	5
7N 3+50W	5
7N 3W	5
7N 2W	5
7N 1+50W	5
7N 1W	5
7N 0+50W	5
7N 0+50E	5
7N 1E	5
7N 1+50E	5
7N 2E	5

SAMPLE	AU* PPB
7N 2+50E	5
7N 3E	5
7N 3+50E	5
7N 4E	5
7N 4+50E	5
7N 5E	5
7N 5+50E	5
7N 6E	5
7N 6+50E	5
7N 7E	5
7N 7+50E	5
7N 8E	5
7N 8+50E	5
7N 9E	5
7N 9+50E	5
7N 10E	5
6N 10W	5
6N 9+50W	5
6N 9W	5
6N 8+50W	5
6N 8W	5
6N 7+50W	5
6N 7W	5
6N 6+50W	5
6N 6W	5
6N 5+50W	5
6N 5W	5
6N 4+50W	5
6N 4W	5
6N 3+50W	5
6N 3W	5
6N 1W	5
6N 0+50W	5
6N 0+50E	5
6N 1E	5
6N 1+50E	5
6N 2E	5

SAMPLE	AU* PPB
6N 2+50E	5
6N 3E	5
6N 3+50E	5
6N 4E	5
6N 4+50E	5
6N 5E	5
4N 0+50E	5
4N 1E	5
4N 1+50E	5
4N 2E	5
4N 2+50E	5
4N 3E	5
4N 3+50E	5
4N 4E	5
4N 4+50E	5
4N 5E	5

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DATE RECEIVED SEPT 8 1983

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GEOCHEMICAL ASSAY CERTIFICATE

A .500 GM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 90 DEG.C. FOR 1 HOUR.
THE SAMPLE IS DILUTED TO 10 MLS WITH WATER. ELEMENTS ANALYSED BY AA : CU, AG.
SAMPLE TYPE : SOIL - DRIED AT 60 DEG C., -80 MESH.

ASSAYER [signature] DEAN TOYE, CERTIFIED B.C. ASSAYER

KERR DAWSON PROJECT # 277 GROUP-LYNX FILE # 83-2060 PAGE# 1

SAMPLE	CU PPM	AG PPM
19N 10W	12	.3
19N 9+50W	24	.1
19N 9W	8	.1
19N 8+50W	39	.3
19N 8W	17	.1
19N 7+50W	18	.1
19N 7W	12	.1
19N 6+50W	13	.1
19N 6W	16	.1
19N 5+50W	24	.1
19N 5W	11	.2
19N 4+50W	60	.2
19N 4W	11	.1
19N 3+50W	20	.1
19N 3W	96	.5
19N 2+50W	68	.1
19N 2W	8	.1
19N 1+50W	4	.1
19N 1W	3	.1
19N 0+50W	5	.1
19N 1E	10	.4
19N 1+50E	6	.1
19N 2E	8	.2
19N 2+50E	5	.2
19N 3E	6	.1
19N 3+50E	12	.3
19N 4E	32	.4
19N 4+50E	5	.2
19N 5+50E	6	.1
19N 6+50E	2	.3
19N 7+50E	3	.2
19N 8E	10	.1
19N 8+50E	2	.1
19N 9E	4	.1
19N 9+50E	10	.1
18N 10W	14	.1
18N 9+50W	12	.1
18N 9W	19	.5

SAMPLE	CU PPM	AG PPM
18N 8+50W	32	.7
18N 8W	24	.8
18N 7+50W	16	.1
18N 6+50W	15	.5
18N 6W	13	.1
18N 5+50W	10	.5
18N 5W	3	.4
18N 4+50W	5	.3
18N 4W	3	.2
18N 3+50W	8	.2
18N 3W	11	.5
18N 2W	14	.1
18N 1+50W	20	.1
18N 1W	11	.1
18N 0+50W	13	.1
18N 0+50E	13	.2
18N 1E	10	.1
18N 1+50E	17	.4
18N 2E	13	.3
18N 2+50E	19	.2
18N 3E	13	.1
18N 3+50E	16	.5
18N 4E	53	.3
18N 4+50E	12	.4
18N 5E	39	.1
18N 7E	23	.1
18N 7+50E	39	.1
18N 8E	19	.1
18N 8+50E	20	.1
18N 9E	25	.1
18N 9+50E	24	.3
18N 10E	14	.1
17N 10W	17	.1
17N 9+50W	16	.2
17N 8+50W	24	.3
17N 8W	19	.3
17N 7+50W	18	.1

KERR DAWSON PROJECT # 277 GROUP-LYNX FILE # 83-2060

SAMPLE	CU PPM	AG PPM
17N 7W	3	.2
17N 6+50W	23	.6
17N 6W	4	.2
17N 5W	5	.3
17N 4+50W	10	.1
17N 4W	6	.1
17N 3+50W	10	.2
17N 3W	8	.1
17N 2+50W	12	.3
17N 2W	6	.1
17N 1+50W	10	.5
17N 1W	46	.3
17N 0+50W	27	.3
17N 0+50E	8	.1
17N 1E	9	.3
17N 1+50E	2	.1
17N 2E	22	.1
17N 2+50E	12	.1
17N 3E	14	.4
17N 3+50E	7	.3
17N 4E	2	.1
17N 5E	4	.1
17N 5+50E	7	.1
17N 6+50E	6	.4
17N 8E	8	.5
17N 8+50E	2	.1
17N 9E	6	.4
17N 9+50E	14	.4
17N 10E	10	.3

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DATE RECEIVED AUG 30 1983

DATE REPORTS MAILED Sept 3/83

GEOCHEMICAL ASSAY CERTIFICATE

A .500 GM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 90 DEG.C. FOR 1 HOUR.
THE SAMPLE IS DILUTED TO 10 MLS WITH WATER. ELEMENTS ANALYSED BY AA : CU, AG.
SAMPLE TYPE : P1 ROCK P2 SOIL

ASSAYER [signature] DEAN TOYE, CERTIFIED B.C. ASSAYER

KERR DAWSON PROJECT # 282 FILE # 83-1907

SAMPLE	CU PPM	AG PPM	
AR-01	87	.1	Course grained bio syenite
AR-02	66	.1	
AR-03	295	1.1	Limonitic, silic zone /1.5m.
AR-04	24	.2	
AR-05	6550	20.8	Cpy, mal in 1m zone in c.g. bio syenite
AR-06	11000	26.0	} Float, aplite dyke w bornite, malachite source appears local.
AR-07	154	.8	}
AR-08	210	1.1	
AR-09	74	.2	
AR-10	122	.3	– C. grained syenite – chlorite + epidote on fractures. Near peg dyke w cpy, mal.
AR-11	30	.5	
AR-12	118	.4	
AR-13	246	.6	
AR-14	298	.5	Limonitic, biotite rich inclusion in c.g syenite.
AR-15	22	.1	
AR-16	80	.2	
AR-17	5050	12.8	Bio syenite w dissem chalcopyrite/1m.
AR-18	120	.5	
AR-19	35	.5	
AR-20	10	.6	
AR-21	78	.6	
AR-22	20	.1	
AR-23	138	.4	
AR-24	106	.5	
AR-25	138	.7	
AR-26	35	.1	
AR-27	26	.1	
AR-31	16	.3	
AR-32	25	.1	

SAMPLE	CU PPM	AG PPM
12N 12+50W	76	.3
12N 12W	18	.3
12N 11+50W	54	.4
12N 11W	70	.4
12N 10+50W	140	.5
12N 10W	80	.5
11N 12+50W	24	.3
11N 12W	26	.4
11N 11+50W	26	.1
11N 11W	28	.1
11N 10+50W	74	.1
11N 10W	130	.3
8N 1+50E	865	.6
5+50N 0E	124	.1
5N 8W	320	.6
5N 0+50E	270	1.3

SAMPLE	CU PPM	AG PPM
16N 9+50E	12	.2
16N 10E	11	.4
15N 0+50E	26	.6
15N 1E	18	.5
15N 1+50E	62	.5
15N 2E	42	.6
15N 2+50E	22	.5
15N 3E	14	.5
15N 3+50E	13	.4
15N 4E	14	.5
15N 4+50E	22	.4
15N 5E	15	.3
15N 5+50E	8	.4
15N 6E	15	.4
15N 6+50E	12	.4
15N 7E	42	.6
15N 7+50E	15	.5
15N 8E	34	.6
15N 8+50E	18	.4
15N 9E	13	.3
15N 9+50E	12	.4
15N 10E	11	.3
12N 0+50E	20	.2
12N 1E	14	.3
12N 1+50E	15	.4
12N 2E	34	.3
12N 2+50E	29	.4
12N 3E	42	.3
12N 3+50E	26	.3
12N 4E	45	.5
12N 4+50E	60	.4
12N 5E	29	.5
12N 5+50E	38	.6
12N 6E	17	.5
12N 6+50E	19	.3
12N 7E	18	.5
12N 7+50E	12	.5

SAMPLE	CU PPM	AG PPM
12N 8E	12	.4
12N 8+50E	14	.3
12N 9E	11	.1
12N 9+50E	17	.3
12N 10E	10	.2

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DATE RECEIVED AUG 17 1983

DATE REPORTS MAILED Aug 20/83

GEOCHEMICAL ASSAY CERTIFICATE

A .500 GM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 90 DEG.C. FOR 1 HOUR.
THE SAMPLE IS DILUTED TO 10 MLS WITH WATER. ELEMENTS ANALYSED BY AA : CU, AG.
SAMPLE TYPE : P1-18 SOIL P19 ROCK

ASSAYER D. Toye, DEAN TOYE, CERTIFIED B.C. ASSAYER

KERR DAWSON PROJECT # 282 GROUP-LX FILE # 83-1682 PAGE# 1

SAMPLE	CU PPM	AG PPM
52+40N 0+50E	5	.2
52+40N 1E	6	.3
52+40N 1+50E	7	.4
52+40N 2E	6	.3
52+40N 2+50E	5	.2
52+40N 3E	10	.3
52+40N 4E	7	.4
52+40N 4+50E	7	.3
52+40N 5E	5	.1
52+40N 5+50E	7	.2
52+40N 6E	8	.1
52+40N 6+50E	6	.1
52+40N 7E	5	.3
52+40N 7+50E	7	.3
52+40N 8E	9	.2
52+40N 8+50E	7	.3
52+40N 9E	8	.2
52+40N 9+50E	6	.3
52+40N 10E	7	.3
52+40N 10+50E	7	.2
52+40N 10+80E	5	.2
50N 20W	7	.3
50N 19+50W	10	.3
50N 19W	12	.4
50N 18+50W	9	.4
50N 18W	11	.3
50N 14W	14	.4
50N 13+50W	6	.3
50N 13W	5	.1
50N 12+50W	10	.2
50N 12W	7	.2
50N 11+50W	4	.1
50N 11W	5	.1
50N 10+50W	6	.3
50N 10W	6	.2
50N 9+50W	7	.4
50N 9W	5	.2

SAMPLE	CU PPM	AG PPM
50N 8+50W	8	.1
50N 8W	4	.1
50N 7+50W	5	.2
50N 7W	8	.2
50N 6+50W	15	.3
50N 6W	6	.2
50N 5+50W	8	.2
50N 5W	7	.1
50N 4+50W	6	.2
50N 4W	8	.3
50N 3+50W	6	.1
50N 3W	8	.2
50N 2+50W	6	.2
50N 2W	11	.3
50N 1+50W	9	.3
50N 1W	6	.2
50N 0+50W	5	.3
45N 20W	10	.2
45N 19+50W	5	.2
45N 19W	10	.1
45N 18+50W	13	.2
45N 18W	6	.1
45N 17+50W	7	.1
45N 16+50W	6	.1
45N 16W	8	.2
45N 15+50W	5	.1
45N 15W	4	.1
45N 14+50W	8	.2
45N 14W	3	.1
45N 13+50W	4	.1
45N 13W	2	.1
45N 12+50W	5	.1
45N 12W	5	.2
45N 11+50W	6	.1
45N 11W	3	.1
45N 10+50W	9	.1
45N 10W	8	.1

SAMPLE	CU PPM	AG PPM
45N 9+50W	2	.1
45N 9W	5	.1
45N 8+50W	3	.1
45N 7+50W	6	.3
45N 7W	6	.4
45N 6+50W	5	.1
45N 6W	5	.2
45N 5+50W	7	.1
45N 4+50W	7	.2
45N 4W	2	.1
45N 3+50W	5	.2
45N 2+50W	4	.2
45N 2W	6	.2
45N 1+50W	3	.3
45N 1W	3	.1
45N 0+50W	4	.3
45N BW	3	.1
45N AW	2	.2
45N 0+50E	2	.1
45N 1E	4	.1
45N 1+50E	4	.1
45N 2E	5	.2
45N 2+50E	3	.1
45N 3E	5	.1
45N 3+50E	5	.1
45N 4E	4	.1
45N 4+50E	6	.1
45N 5E	5	.1
45N 5+50E	3	.1
45N 6E	6	.6
45N 6+50E	3	.1
45N 7E	3	.1
45N 7+50E	2	.1
45N 8+50E	3	.2
45N 9E	3	.1
45N 12E	5	.2
45N 12+50E	7	.1

SAMPLE	CU PPM	AG PPM
45N 13E	4	.1
45N 13+50E	4	.1
45N 14E	3	.1
45N 14+50E	21	.3
45N 15E	5	.1
45N 15+50E	5	.2
45N 16E	4	.4
45N 16+50E	4	.2
45N 17E	3	.2
45N 17+50E	5	.1
45N 18E	7	.3
45N 18+50E	2	.1
45N 19E	4	.1
45N 19+50E	5	.6
45N 20E	5	.4
40N 20W	3	.2
40N 19+50W	2	.1
40N 19W	2	.1
40N 18W	3	.2
40N 17+50W	2	.1
40N 17W	2	.1
40N 16+50W	4	.3
40N 16W	5	.4
40N 15+50W	2	.3
40N 15W	7	.3
40N 14+50W	4	.2
40N 14W	2	.2
40N 13+50W	3	.1
40N 13W	6	.1
40N 12W	2	.2
40N 11+50W	5	.1
40N 11W	4	.1
40N 10+50W	2	.1
40N 10W	3	.1
40N 9+50W	7	.1
40N 9W	5	.1
40N 8+50W	9	.2

SAMPLE	CU PPM	AG PPM
40N 8W	6	.3
40N 7+50W	7	.3
40N 7W	7	.4
40N 6+50W	5	.2
40N 6W	6	.1
40N 5+50W	2	.1
40N 4+50W	6	.1
40N 4W	25	.4
40N 3+50W	5	.2
40N 3W	10	.4
40N 2+50W	7	.3
40N 2W	8	.1
40N 1+50W	8	.6
40N 1W	8	.1
40N 0+50W	6	.3
40N 0+50E	8	.4
40N 1E	8	.1
40N 1+50E	5	.4
40N 2E	5	.5
40N 2+50E	6	.4
40N 3E	6	.2
40N 3+50E	5	.1
40N 4E	4	.2
40N 4+50E	4	.1
40N 5E	5	.1
40N 5+50E	6	.1
40N 6E	2	.2
40N 7E	6	.1
40N 7+50E	5	.1
40N 8E	6	.1
40N 8+50E	7	.1
40N 9E	6	.2
40N 9+50E	6	.1
40N 10E	4	.3
40N 10+50E	8	.1
40N 11E	6	.1
40N 11+50E	4	.1

SAMPLE	CU PPM	AG PPM
40N 12E	10	.2
40N 12+50E	7	.1
40N 13E	12	.2
40N 14E	10	.2
40N 14+50E	15	.1
40N 15E	12	.2
40N 15+50E	8	.1
40N 16E	7	.3
40N 16+50E	7	.2
40N 17+50E	12	.1
40N 18E	7	.3
40N 18+50E	8	.1
40N 19E	9	.2
40N 19+50E	7	.2
40N 20E	6	.1
35N 18+50W	5	.2
35N 18W	3	.1
35N 17+50W	5	.2
35N 17W	9	.1
35N 16+50W	4	.1
35N 16W	5	.2
35N 15+50W	7	.2
35N 15W	9	.1
35N 14+50W	10	.1
35N 14W	9	.1
35N 13+50W	11	.1
35N 13W	11	.2
35N 12W	4	.1
35N 11+50W	8	.1
35N 11W	6	.2
35N 10+50W	9	.1
35N 10W	10	.3
35N 9+50W	12	.1
35N 9W	9	.1
35N 8+50W	9	.2
35N 8W	10	.2
35N 7+50W	19	.4

SAMPLE	CU PPM	AG PPM
35N 7W	6	.1
35N 6+50W	8	.3
35N 6W	7	.4
35N 5+50W	7	.5
35N 5W	14	.3
35N 4+50W	12	.5
35N 4W	10	.3
35N 3+50W	20	.6
35N 3W	6	.3
35N 2+50W	8	.3
35N 2W	7	.1
35N 1+50W	9	.1
35N 1W	6	.2
35N 0+50W	7	.2
35N 0+50E	10	.2
35N 1+50E	5	.3
35N 2E	5	.1
35N 2+50E	6	.2
35N 3E	4	.2
35N 4E	7	.1
35N 4+50E	19	.4
35N 5E	6	.1
35N 5+50E	7	.2
35N 6E	8	.2
35N 6+50E	7	.2
35N 7E	4	.1
35N 7+50E	9	.1
35N 8E	6	.1
35N 8+50E	7	.2
35N 9E	3	.2
35N 9+50E	6	.3
35N 10E	6	.4
35N 10+50E	7	.6
35N 11E	6	.2
35N 11+50E	8	.3
35N 12E	9	.2
35N 12+50E	7	.3

SAMPLE	CU PPM	AG PPM
35N 13E	10	.1
35N 13+50E	6	.1
35N 14E	14	.1
35N 14+50E	9	.2
35N 15E	30	.1
35N 15+50E	11	.3
35N 16E	7	.2
35N 16+50E	5	.1
35N 17E	46	.1
35N 17+50E	6	.1
35N 18E	12	.1
35N 18+50E	6	.1
35N 19E	4	.1
35N 19+50E	5	.1
35N 20E	6	.1
30N 20W	2	.1
30N 19+50W	2	.2
30N 19W	6	.1
30N 18+50W	2	.1
30N 18W	2	.1
30N 17+50W	6	.1
30N 17W	2	.1
30N 16+50W	2	.1
30N 16W	2	.1
30N 15+50W	4	.1
30N 15W	5	.1
30N 14+50W	7	.1
30N 14W	3	.1
30N 13W	3	.1
30N 12+50W	2	.1
30N 12W	4	.1
30N 11+50W	3	.1
30N 11W	5	.1
30N 10+50W	3	.1
30N 10W	5	.1
30N 9+50W	15	.1
30N 9W	4	.1

SAMPLE	CU PPM	AG PPM
30N 8+50W	7	.4
30N 8W	5	.1
30N 7W	3	.2
30N 6+50W	2	.3
30N 6W	13	.2
30N 5+50W	3	.1
30N 5W	8	.4
30N 4+50W	5	.1
30N 4W	6	.1
30N 3+50W	5	.1
30N 3W	2	.1
30N 2+50W	6	.3
30N 2W	7	.1
30N 1+50W	23	.2
30N 1W	3	.2
30N 0+50W	7	.1
30N 0+50E	7	.2
30N 1E	5	.1
30N 1+50E	5	.2
30N 2E	8	.1
30N 2+50E	11	.1
30N 3E	7	.1
30N 3+50E	12	.2
30N 4E	8	.1
30N 4+50E	4	.1
30N 5E	21	.1
30N 5+50E	15	.1
30N 6E	19	.3
30N 7E	12	.1
30N 7+50E	15	.1
30N 8E	10	.1
30N 10+50E	30	.1
30N 11E	12	.2
30N 11+50E	8	.1
30N 12E	9	.1
30N 12+50E	13	.2
30N 13E	15	.1

SAMPLE	CU PPM	AG PPM
30N 13+50E	27	.6
30N 14E	5	.4
30N 14+50E	11	.4
30N 15E	14	.5
30N 15+50E	8	.3
30N 16E	4	.2
30N 16+50E	11	.3
30N 17E	9	.4
30N 17+50E	6	.2
30N 18E	10	.2
30N 18+50E	8	.3
30N 19E	7	.2
30N 19+50E	5	.1
30N 20E	6	.2
25N 20W	2	.1
25N 19+50W	4	.2
25N 19W	5	.3
25N 18+50W	4	.3
25N 18W	2	.2
25N 17+50W	3	.3
25N 17W	2	.1
25N 16+50W	2	.1
25N 16W	8	.2
25N 15+50W	2	.1
25N 15W	2	.3
25N 14+50W	3	.1
25N 14W	8	.2
25N 13+50W	2	.1
25N 13W	6	.3
25N 12+50W	6	.3
25N 12W	10	.4
25N 11+50W	8	.3
25N 11W	5	.3
25N 10+50W	6	.3
25N 10W	10	.2
25N 9+50W	4	.1
25N 9W	3	.1

SAMPLE	CU PPM	AG PPM
25N 8+50W	2	.1
25N 8W	8	.2
25N 7+50W	5	.2
25N 7W	2	.1
25N 6+50W	6	.2
25N 6W	7	.1
25N 5+50W	5	.1
25N 5W	8	.3
25N 4+50W	7	.3
25N 4W	12	.2
25N 3+50W	20	.4
25N 3W	8	.2
25N 2+50W	8	.2
25N 2W	6	.3
25N 1+50W	6	.3
25N 1W	4	.2
25N 0+50W	8	.1
25N AE	21	.2
25N BE	7	.1
25N 0+50E	13	.1
25N 1E	8	.2
25N 1+50E	9	.2
25N 2E	12	.2
25N 3E	17	.1
25N 3+50E	14	.1
25N 4E	16	.2
25N 4+50E	13	.1
25N 6E	8	.2
25N 6+50E	7	.1
25N 7E	10	.2
25N 7+50E	12	.2
25N 8E	6	.1
25N 8+50E	11	.1
25N 9E	9	.3
25N 10E	9	.1
25N 10+50E	6	.3
25N 11E	13	.2

SAMPLE	CU PPM	AG PPM
25N 11+50E	6	.1
25N 12E	28	.4
25N 12+50E	4	.2
25N 13E	9	.2
25N 13+50E	5	.1
25N 14E	8	.1
25N 14+50E	6	.2
25N 15E	11	.4
25N 15+50E	8	.2
25N 16E	7	.1
25N 16+50E	10	.1
25N 17E	5	.1
25N 17+50E	6	.2
25N 18E	4	.1
25N 18+50E	4	.1
25N 19E	6	.1
25N 19+50E	5	.1
25N 20E	7	.1
20N 20W	4	.1
20N 19+50W	3	.1
20N 19W	9	.1
20N 18+50W	8	.2
20N 18W	36	.1
20N 17+50W	6	.1
20N 17W	5	.1
20N 16+50W	6	.1
20N 16W	5	.2
20N 15+50W	32	.2
20N 15W	9	.2
20N 14+50W	7	.1
20N 14W	3	.1
20N 13+50W	7	.1
20N 13W	6	.1
20N 12+50W	10	.2
20N 12W	5	.1
20N 11+50W	11	.1
20N 11W	6	.1

SAMPLE	CU PPM	AG PPM
20N 10+50W	12	.2
20N 10W	11	.3
20N 9+50W	12	.3
20N 9W	9	.2
20N 8+50W	14	.3
20N 8W	11	.2
20N 7+50W	40	.3
20N 7W	28	.3
20N 6+50W	24	.3
20N 6W	11	.2
20N 5+50W	13	.3
20N 5W	14	.3
20N 4+50W	43	.4
20N 4W	10	.2
20N 3+50W	10	.2
20N 3W	6	.1
20N 2+50W	19	.1
20N 1+50W	6	.2
20N 1W	9	.3
20N 0+50W	6	.2
20N 0+50E	32	.3
20N 1E	8	.2
20N 1+50E	7	.1
20N 2E	11	.2
20N 2+50E	16	.2
20N 3E	10	.2
20N 3+50E	11	.2
20N 4E	3	.1
20N 4+50E	7	.2
20N 5+50E	33	.2
20N 6E	11	.2
20N 6+50E	32	.2
20N 7+50E	20	.3
20N 8E	10	.2
20N 8+50E	12	.2
20N 9E	12	.2
20N 9+50E	22	.3

SAMPLE	CU PPM	AG PPM
20N 10E	11	.1
20N 10+50E	11	.2
20N 11E	12	.2
20N 11+50E	9	.1
20N 12E	12	.1
20N 12+50E	7	.1
20N 13E	8	.1
20N 13+50E	11	.2
20N 14E	4	.1
20N 14+50E	7	.1
20N 15E	9	.1
20N 15+50E	8	.1
20N 16E	8	.1
20N 16+50E	8	.1
20N 17E	7	.1
20N 17+50E	5	.1
20N 18E	8	.1
20N 18+50E	7	.1
20N 19+50E	7	.2
20N 20E	8	.2
4N 10W	86	.6
4N 9+50W	12	.2
4N 9W	13	.2
4N 8+50W	16	.2
4N 8W	15	.2
4N 7+50W	19	.3
4N 7W	47	.2
4N 6+50W	98	.5
4N 6W	15	.2
4N 5+50W	7	.1
4N 5W	22	.1
4N 4+50W	12	.2
4N 4W	186	.3
4N 3+50W	22	.1
4N 3W	12	.1
3N 10W	17	.3
3N 9+50W	14	.2
3N 9W	13	.2

SAMPLE	CU PPM	AG PPM
3N 8+50W	11	.3
3N 8W	14	.4
3N 7+50W	37	.2
3N 7W	27	.5
3N 6+50W	30	.2
3N 6W	22	.4
3N 5+50W	19	.1
3N 5W	11	.1
3N 4+50W	31	.1
3N 4W	30	.1
3N 3W	22	.4
3N 1W	25	.5
3N 0+50E	5	.2
3N 1E	8	.1
3N 1+50E	8	.2
3N 2E	44	.4
3N 2+50E	19	.1
3N 3E	33	.4
3N 3+50E	24	.1
3N 4E	8	.3
3N 4+50E	15	.2
3N 5E	26	.4
3N 5+50E	11	.3
3N 6E	9	.2
3N 6+50E	7	.3
3N 7E	10	.2
3N 7+50E	13	.3
3N 8E	10	.2
3N 8+50E	9	.1
3N 9E	7	.2
3N 9+50E	6	.3
3N 10E	11	.3
2N 10W	12	.2
2N 9+50W	10	.2
2N 9W	10	.3
2N 8+50W	9	.2
2N 8W	8	.3

SAMPLE	CU PPM	AG PPM
2N 7+50W	18	.2
2N 7W	37	.3
2N 6+50W	12	.1
2N 6W	15	.4
2N 5+50W	14	.3
2N 5W	7	.1
2N 4+50W	7	.1
2N 4W	26	.2
2N 2+50W	9	.1
2N 2W	30	.1
2N 1+50W	17	.2
2N 1W	49	.1
2N 0+50W	23	.2
2N 0+50E	17	.1
2N 1E	110	.2
2N 1+50E	18	.3
2N 2E	38	.3
2N 2+50E	14	.2
2N 3E	18	.3
2N 3+50E	7	.4
2N 4E	13	.3
2N 4+50E	6	.1
2N 5E	60	.2
2N 5+50E	13	.1
2N 6E	12	.1
2N 6+50E	7	.1
2N 7E	9	.1
2N 7+50E	13	.1
2N 8E	10	.1
2N 8+50E	5	.1
1N 10W	10	.2
1N 9+50W	10	.1
1N 9W	8	.1
1N 8+50W	15	.2
1N 7+50W	8	.1
1N 7W	10	.1
1N 6+50W	13	.2

SAMPLE	CU PPM	AG PPM
1N 6W	8	.1
1N 5+50W	6	.1
1N 5W	6	.1
1N 4+50W	10	.1
1N 4W	6	.1
1N 3+50W	10	.1
1N 3W	16	.1
1N 2+50W	25	.1
1N 2W	9	.1
1N 1+50W	38	.1
1N 1W	33	.2
1N 0+50W	17	.1
1N 0+50E	21	.2
1N 1E	23	.3
1N 1+50E	30	.1
1N 2E	15	.1
1N 2+50E	23	.2
1N 3E	112	.2
1N 3+50E	9	.2
1N 4E	5	.1
1N 4+50E	20	.3
1N 5E	8	.1
1N 5+50E	16	.1
1N 6E	12	.1
1N 6+50E	8	.1
1N 7E	5	.2
1N 7+50E	11	.1
1N 8E	7	.1
1N 8+50E	5	.1
1N 9E	6	.1
1N 9+50E	9	.1
1N 10E	7	.2
52+40N BL	4	.1
52N BL	2	.1
51+50N BL	3	.1
51N BL	7	.1
50+50N BL	7	.1

SAMPLE	CU PPM	AG PPM
50N BL	4	.3
49+50N BL	3	.4
49N BL	8	.1
48+50N BL	8	.2
48N BL	4	.2
47+50N BL	5	.3
47N BL	4	.1
46+50N BL	3	.1
45+50N BL	6	.2
45N BL	5	.3
44+50N BL	6	.4
44N BL	6	.3
43+50N BL	7	.3
43N BL	6	.4
42+50N BL	11	.3
42N BL	10	.4
41+50N BL	9	.4
41N BL	9	.2
40+50N BL	4	.1
40N BL	3	.2
39+50N BL	13	.3
39N BL	14	.2
38+50N BL	5	.4
38N BL	6	.4
37+50N BL	6	.3
37N BL	26	.3
36+50N BL	10	.3
36N BL	10	.4
35+50N BL	11	.4

SAMPLE	CU PPM	AG PPM
1	1000	.8
2	110	1.2
3	. 1365	1.0
4	17500	27.2
5	14000	15.4
6	11000	18.8
7	27500	69.7
8	270	.9
9	280	.8
10	186	.5

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH:253-3158 TELEX:04-53124

DATE RECEIVED AUG 13 1983

DATE REPORTS MAILED Aug 18/83

GEOCHEMICAL ASSAY CERTIFICATE

A .500 GM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 90 DEG.C. FOR 1 HOUR.
THE SAMPLE IS DILUTED TO 10 MLS WITH WATER. ELEMENTS ANALYSED BY AA : CU, AG.
SAMPLE TYPE : SOIL - DRIED AT 60 DEG C., -80 MESH.

ASSAYER D. Toye DEAN TOYE, CERTIFIED B.C. ASSAYER

KERR DAWSON & ASSOCIATES PROJECT # 282 FILE # 82-1622 PAGE# 1

SAMPLE	CU PPM	AG PPM
14N 10W	11	.3
14N 9+50W	18	.2
14N 9W	76	.4
14N 8+50W	13	.3
14N 8W	30	.3
14N 7+50W	22	.2
14N 7W	16	.3
14N 6+50W	10	.3
14N 6W	28	.3
14N 5+50W	50	.4
14N 5W	25	.5
14N 4+50W	30	.4
14N 4W	35	.2
14N 3+50W	12	.3
14N 3W	11	.2
14N 2W	14	.3
14N 1+50W	15	.3
14N 1W	16	.1
14N 0+50W	10	.2
13N 10W	30	.3
13N 9+50W	15	.1
13N 9W	98	.5
13N 8+50W	16	.2
13N 8W	12	.3
13N 7+50W	128	.4
13N 7W	96	.1
13N 6+50W	60	.5
13N 6W	60	.4
13N 5+50W	18	.1
13N 5W	40	.2
13N 5+50W	14	.5
13N 4W	108	.3
13N 3+50W	10	.4
13N 3W	18	.3
13N 2+50W	33	.3
13N, 2W	62	.3

SAMPLE	CU PPM	AG PPM
13N 1+50W	24	.6
13N 1W	44	.2
13N 0+50W	22	.5
12N 10W	172	.4
12N 9+50W	42	.1
12N 9W	29	.3
12N 8+50W	22	.3
12N 8W	34	.3
12N 7+50W	114	.4
12N 7W	46	.3
12N 6+50W	65	.6
12N 6W	115	.3
12N 5+50W	65	.4
12N 5W	100	.5
12N 4+50W	28	.6
12N 4W	37	.5
12N 3+50W	48	.5
12N 3W	24	.5
12N 2+50W	29	.2
12N 2W	19	.5
12N 1+50W	46	.7
12N 1W	30	.5
12N 0+50W	32	.3
11N 10W	152	.4
11N 9+50W	24	.2
11N 9W	17	.3
11N 8+50W	18	.3
11N 8W	20	.3
11N 7+50W	22	.5
11N 7W	126	.6
11N 6+50W	156	.5
11N 6W	88	.7
11N 5+50W	64	.3
11N 5W	75	.3
11N 4+50W	42	.3
11N 4W	21	.3
11N 3+50W	56	.3

SAMPLE	CU PPM	AG PPM
11N 3W	28	.4
11N 2+50W	23	.2
11N 2W	48	.2
11N 1+50W	46	.3
11N 1W	92	.2
11N 0+50W	75	.3
11N 0+50E	16	.2
11N 1E	10	.1
11N 1+50E	17	.1
11N 2E	10	.1
11N 2+50E	37	.2
11N 3E	30	.2
11N 3+50E	15	.1
11N 4E	18	.1
11N 4+50E	24	.1
11N 5E	28	.4
11N 5+50E	19	.2
11N 6E	14	.2
11N 6+50E	15	.1
11N 7E	35	.2
11N 7+50E	17	.2
11N 8E	19	.1
11N 8+50E	15	.1
11N 9E	14	.2
11N 9+50E	9	.1
11N 10E	8	.2
10N-B 10W	18	.1
10N-B 9+50W	14	.2
10N-B 9W	11	.2
10N-B 8+50W	28	.2
10N-B 8W	86	.4
10N-B 7+50W	16	.2
10N-B 7W	38	.4
10N-B 6+50W	36	.2
10N-B 6W	80	.2
10N-B 5+50W	20	.5
10N-B 5W	112	.3

SAMPLE	CU PPM	AG PPM
10N-B 4+50W	73	.3
10N-B 4W	22	.5
10N-B 3+50W	16	.3
10N-B 3W	17	.4
10N-B 2+50W	28	.3
10N-B 2W	140	.2
10N-B 1+50W	154	.2
10N-B 1W	54	.2
10N-B 0+50W	225	.3
9N 0+50E	760	.4
9N 1E	35	.3
9N 1+50E	80	.1
9N 2E	78	.3
9N 2+50E	17	.1
9N 3E	35	.1
9N 4E	12	.1
9N 4+50E	18	.2
9N 5E	30	.2
9N 5+50E	32	.1
9N 6E	20	.1
9N 6+50E	22	.2
9N 7E	20	.4
9N 7+50E	21	.2
9N 8E	49	.4
9N 8+50E	26	.1
9N 9E	20	.1
9N 9+50E	16	.1
9N 10E	10	.1
8N 10W	23	.1
8N 9+50W	26	.1
8N 9W	40	.1
8N 8+50W	126	.2
8N 8W	31	.3
8N 7+50W	27	.2
8N 7W	15	.1
8N 6+50W	34	.5

SAMPLE	CU PPM	AG PPM
8N 6W	192	.7
8N 5+50W	108	.7
8N 5W	32	.3
8N 4+50W	25	.1
8N 4W	75	.1
8N 3+50W	21	.1
8N 3W	24	.2
8N 2+50W	23	.1
8N 2W	152	.1
8N 1+50W	16	.1
8N 1W	34	.1
8N 0+50W	18	.1
8N 0+50E	41	.5
8N 1E	20	.4
8N 1+50E	1450	1.0
8N 2E	330	.9
8N 2+50E	20	.3
8N 3E	24	.1
8N 3+50E	94	.3
8N 4E	23	.1
8N 4+50E	27	.2
8N 5E	16	.1
8N 5+50E	20	.4
8N 6E	16	1.2
8N 6+50E	26	.6
8N 7E	18	.6
8N 7+50E	19	.4
8N 8E	20	.5
8N 8+50E	28	.1
8N 9E	13	.4
8N 9+50E	12	.3
8N 10E	10	.3
7N 10W	19	.3
7N 9+50W	11	.6
7N 9W	18	.7
7N 8+50W	16	.5
7N 8W	31	.6

SAMPLE	CU PPM	AG PPM
7N 7+50W	43	.1
7N 7W	32	.3
7N 6+50W	60	.2
7N 6W	40	.6
7N 5+50W	45	.3
7N 5W	27	.1
7N 4+50W	12	.1
7N 4W	25	.4
7N 3+50W	21	.1
7N 3W	82	.4
7N 2W	16	.1
7N 1+50W	36	.3
7N 1W	138	.5
7N 0+50W	68	.2
7N 0+50E	30	.1
7N 1E	15	.2
7N 1+50E	41	.4
7N 2E	62	.4
7N 2+50E	30	.3
7N 3E	24	.4
7N 3+50E	13	.2
7N 4E	60	.3
7N 4+50E	27	.4
7N 5E	14	.3
7N 5+50E	15	.4
7N 6E	19	.3
7N 6+50E	21	.5
7N 7E	20	.5
7N 7+50E	13	.6
7N 8E	10	.7
7N 8+50E	72	.6
7N 9E	78	.8
7N 9+50E	6	.1
7N 10E	12	.1
6N 10W	16	.3
6N 9+50W	12	.4
6N 9W	14	.3

SAMPLE	CU PPM	AG PPM
6N 8+50W	34	.3
6N 8W	36	.4
6N 7+50W	39	.2
6N 7W	20	.1
6N 6+50W	26	.1
6N 6W	33	.1
6N 5+50W	74	.1
6N 5W	41	.4
6N 4+50W	15	.3
6N 4W	16	.2
6N 3+50W	74	.4
6N 3W	20	.1
6N 1W	16	.3
6N 0+50W	15	.1
6N 0+50E	90	.7
6N 1E	50	.2
6N 1+50E	34	.5
6N 2E	40	.7
6N 2+50E	80	.4
6N 3E	122	.4
6N 3+50E	27	.2
6N 4E	18	.1
6N 4+50E	22	.2
6N 5E	12	.1
6N 5+50E	148	.1
6N 6E	28	.1
6N 6+50E	18	.1
6N 7E	17	.2
6N 7+50E	16	.1
6N 8E	14	.6
6N 8+50E	13	.1
6N 9E	21	.3
6N 9+50E	15	.1
6N 10E	10	.2

6N - 2+50W to 1+50W - NS

SAMPLE	CU PPM	AG PPM
4N 0+50E	52	.6
4N 1E	15	.3
4N 1+50E	10	.1
4N 2E	82	.6
4N 2+50E	16	.3
4N 3E	22	.4
4N 3+50E	15	.2
4N 4E	16	.3
4N 4+50E	12	.2
4N 5E	20	.4
4N 5+50E	15	.1
4N 6E	30	.3
4N 6+50E	23	.3
4N 7E	13	.2
4N 7+50E	18	.1
4N 8E	12	.1
4N 8+50E	13	.2
4N 9E	15	.1
4N 9+50E	10	.1
4N 10E	8	.1

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PH:253-3158 TELEX:04-53124

DATE RECEIVED JULY 28 1983

DATE REPORTS MAILED Aug 2/83

GEOCHEMICAL ASSAY CERTIFICATE

A .500 GM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 90 DEG.C. FOR 1 HOUR.
THE SAMPLE IS DILUTED TO 10 MLS WITH WATER. ELEMENTS ANALYSED BY AA : CU, AG.
SAMPLE TYPE : SOIL - DRIED AT 60 DEG C., -80 MESH.

ASSAYER D. Toye DEAN TOYE, CERTIFIED B.C. ASSAYER

KERR DAWSON FILE # 83-1390

SAMPLE	CU PPM	AG PPM
35N BL	10	.3
34+50N BL	8	.2
34N BL	13	.2
33+50N BL	8	.3
33N BL	8	.1
32N+50N BL	7	.1
32N BL	8	.1
21+50N BL	14	.2
31N BL	17	.4
30+50N BL	9	.3
30N BL	14	.2
29+50N BL	5	.4
29N BL	6	.1
28+50N BL	4	.2
28N BL	4	.2
27+50N BL	5	.3
27N BL	45	.1
26+50N BL	10	.2
26N BL	5	.2
25+50N BL	11	.2
25N BL	9	.1
24+50N BL	11	.3
24N BL	10	.2
23+50N BL	16	.3
23N BL	40	.3
22+50N BL	31	.2
22N BL	10	.2
21+50N BL	36	.2
21N BL	12	.1
20+50N BL	11	.1
20N BL	12	.3
19+50N BL	13	.3
19N BL	10	.1
18+50N BL	10	.2
18N BL	11	.1
17+50N BL	66	.2
17N BL	23	.1

SAMPLE	CU PPM	AG PPM
16+50N BL	16	.2
16N BL	14	.4
15+50N BL	27	.2
15N BL	24	.1
14+50N BL	12	.3
14N BL	16	.2
13+50N BL	17	.3
13N BL	24	.2
12+50N BL	34	.2
12N BL	12	.3
11+50N BL	124	.1
11N BL	29	.1
10+50N BL	84	.1
10N BL	140	.6
9+50N BL	18	.3
9N BL	50	.1
8+50N BL	30	.2
8N BL	12	.4
7+50N BL	12	.3
7N BL	13	.3
6+50 BL	10	.2
6N BL	16	.3
5+50N BL	160	.2
5N BL	15	.2
4+50 BL	60	.1
4N BL	26	.3
3+50N BL	22	.2
3N BL	33	.4
2+50N BL	43	.3
2N BL	28	.3
1+50N BL	110	.1
1N BL	43	.3
0+50N BL	62	.3
ON BL	84	.3
15N 20W	8	.2
15N 19+50W	4	.1
15N 19W	11	.1
15N 18+50W	13	.1

SAMPLE	CU PPM	AG PPM
15N 18W	13	.3
15N 17+50W	12	.3
15N 17W	9	.2
15N 16+50W	7	.1
15N 16W	18	.2
15N 15+50W	11	.3
15N 15W	7	.2
15N 14+50W	21	.1
15N 14W	10	.1
15N 13+50W	17	.2
15N 13W	16	.3
15N 12+50W	15	.1
15N 12W	12	.2
15N 11+50W	12	.3
15N 11W	15	.2
15N 10+50W	14	.3
15N 10W	11	.3
15N 9+50W	52	.4
15N 9W	20	.4
15N 8+50W	14	.2
15N 8W	32	.6
15N 7+50W	33	.5
15N 7W	60	.4
15N 6+50W	40	.4
15N 6W	48	.2
15N 5+50W	64	.3
15N 5W	60	.2
15N 4+50W	29	.1
15N 4W	12	.2
15N 3+50W	13	.3
15N 3W	23	.3
15N 2+50W	9	.2
15N 2W	12	.1
15N 1+50W	9	.2
15N 1W	11	.4
15N 0+50W	80	.3

SAMPLE	CU PPM	AG PPM
13+50N 0+50E	26	.2
13+50N 1E	19	.1
13+50N 1+50E	20	.3
13+50N 2E	10	.1
13+50N 2+50E	15	.2
13+50N 3E	22	.1
13+50N 3+50E	37	.1
13+50N 4E	7	.3
13+50N 4+50E	8	.2
13+50N 5E	7	.2
13+50N 5+50E	11	.1
13+50N 6E	7	.2
13+50N 6+50E	8	.3
13+50N 7E	5	.2
13+50N 7+50E	15	.1
13+50N 8E	14	.2
13+50N 8+50E	16	.1
13+50N 9E	9	.2
13+50N 9+50E	8	.1
13+50N 10E	11	.2
13+50N 10+50E	30	.2
13+50N 11E	104	.4
13+50N 11+50E	5	.1
13+50N 12E	8	.2
13+50N 16E	8	.2
13+50N 16+50E	7	.1
13+50N 17E	5	.1
13+50N 17+50E	11	.1
13+50N 18E	12	.2
13+50N 18+50E	7	.1
13+50N 19E	6	.2
13+50N 20E	12	.1
10N 19+50W	50	.3
10N 19W	21	.2
10N 18+50W	10	.2
10N 18W	14	.1
10N 17+50W	18	.3

SAMPLE	CU PPM	AG PPM
10N 17W	14	.3
10N 16+50W	12	.3
10N 16W	32	.2
10N 15+50W	15	.4
10N 15W	21	.2
10N 14+50W	11	.2
10N 14W	12	.2
10N 13+50W	19	.1
10N 13W	21	.1
10N 12+50W	17	.3
10N 12W	86	.1
10N 1+50W	35	.4
10N 11W	23	.4
10N 10+50W	17	.2
10N 10W	16	.3
10N 9+50W	15	.1
10N 9W	13	.2
10N 8+50W	21	.2
10N 8W	12	.2
10N 7+50W	16	.2
10N 7W	15	.1
10N 6+50W	30	.3
10N 6W	77	.3
10N 5+50W	250	.4
10N 5W	178	.5
10N 4+50W	110	.4
10N 4W	64	.3
10N 3+50W	150	.4
10N 3W	255	.3
10N 2+50W	150	.2
10N 2W	23	.1
10N 1+50W	240	.2
10N 1W	50	.3
10N 0+50W	30	.2
10N 0+50E	22	.1
10N 1E	14	.1
10N 1+50W	22	.1
10N 2E	17	.1

SAMPLE	CU PPM	AG PPM
10N 2+50E	16	.3
10N 3E	14	.2
10N 3+50E	46	.2
10N 4E	27	.1
10N 4+50E	23	.2
10N 5E	13	.2
10N 5+50E	140	.5
10N 6E	7	.3
10N 6+50E	76	.3
10N 7E	17	.4
10N 7+50E	21	.3
10N 8E	24	.1
10N 8+50E	26	.2
10N 9E	18	.3
10N 9+50E	12	.1
10N 10E	13	.2
10N 10+50E	14	.1
10N 11E	10	.1
10N 13+50E	6	.1
10N 14E	9	.1
10N 14+50E	9	.2
10N 15E	6	.2
10N 15+50E	7	.1
10N 16E	8	.1
10N 16+50E	11	.1
10N 17E	10	.2
10N 17+50E	13	.1
10N 18E	6	.1
10N 18+50E	5	.1
10N 19E	5	.1
10N 19+50E	10	.1
5N 19W	9	.1
5N 18+50W	8	.1
5N 18W	17	.1
5N 17+50W	6	.1
5N 17W	7	.1
5N 16+50W	8	.1

SAMPLE	CU PPM	AG PPM
5N 16W	9	.2
5N 15+50W	10	.1
5N 15W	7	.1
5N 14+50W	16	.2
5N 14W	8	.1
5N 13+50W	8	.1
5N 13W	14	.1
5N 12+50W	45	.1
5N 12W	17	.1
5N 11+50W	12	.2
5N 11W	71	.6
5N 10+50W	22	.2
5N 10W	25	.2
5N 9+50W	12	.3
5N 9W	10	.3
5N 8+50W	31	.2
5N 8W	58	.1
5N 7+50W	84	.2
5N 7W	95	.4
5N 6+50W	30	.3
5N 6W	80	.3
5N 5+50W	32	.1
5N 5W	20	.1
5N 4+50W	12	.2
5N 4W	15	.2
5N 3+50W	22	.1
5N 3W	240	.6
5N 0+130W	6	.1
5N 0+50E	248	1.2
5N 1E	48	.5
5N 1+50E	8	.2
5N 2E	32	.2
5N 2+50E	44	.3
5N 3E	205	.7
5N 3+50E	24	.6
5N 4E	15	.3
5N 4+50E	29	.2
5N 5E	12	.2

SAMPLE	CU PPM	AG PPM
5N 5+50E	14	.2
5N 6E	16	.3
5N 6+50E	14	.1
5N 7E	10	.1
5N 7+50E	34	.1
5N 8E	14	.1
5N 8+50E	13	.2
5N 9E	7	.1
5N 9+50E	10	.1
5N 10E	14	.1
5N 10+50E	10	.1
5N 11E	19	.3
5N 11+50E	8	.1
5N 12E	5	.1
5N 12+38E	12	.1
5N 13E	11	.2
5N 13+50E	5	.1
5N 14E	9	.1
5N 14+50E	6	.1
5N 15E	7	.1
5N 15+50E	10	.1
5N 16E	8	.1
5N 16+50E	6	.1
5N 17E	11	.2
5N 17+50E	10	.2
5N 18E	13	.1
5N 18+50E	4	.1
5N 19E	8	.1
5N 19+50E	6	.1
5N 20E	5	.2
ON 20W	9	.1
ON 12+50W	4	.1
ON 12W	6	.1
ON 11+50W	8	.1
ON 11W	6	.1
ON 10+50W	10	.1
ON 10W	11	.2

SAMPLE	CU PPM	AG PPM
ON 9+50W	6	.1
ON 9W	8	.1
ON 8+50W	8	.1
ON 8W	15	.2
ON 7+50W	11	.1
ON 7W	24	.1
ON 6+50W	7	.1
ON 6W	10	.1
ON 5+50W	64	.1
ON 4+50W	10	.1
ON 4W	9	.1
ON 3+50W	11	.1
ON 3W	13	.1
ON 2+50W	15	.1
ON 2W	17	.1
ON 1+50W	24	.1
ON 0+50E	31	.2
ON 1E	50	.5
ON 1+50E	148	.8
ON 2E	8	.1
ON 2+50E	8	.1
ON 3E	6	.1
ON 3+50E	9	.1
ON 4E	14	.1
ON 4+50E	11	.1
ON 5E	14	.2
ON 5+50E	12	.1
ON 6E	6	.1
ON 6+50E	7	.1
ON 7E	8	.1
ON 7+50E	7	.1
ON 8E	6	.1
ON 8+50E	7	.1
ON 9E	8	.1
ON 9+50E	8	.2
ON 10+50E	7	.4
ON 11E	6	.1

SAMPLE	CU PPM	AG PPM
ON 12E	13	.1
ON 12+50E	6	.1
ON 13E	7	.1
ON 13+50E	2	.1
ON 14E	5	.1
ON 14+50E	6	.1
ON 15E	7	.1
ON 15+50E	8	.1
ON 16E	6	.1
ON 16+50E	6	.1
ON 17E	5	.1
ON 17+50E	8	.1
ON 18E	11	.1
ON 18+50E	4	.1
ON 19E	10	.1
ON 19+50E	7	.1
ON 20E	6	.1

APPENDIX B

PERSONNEL

PERSONNEL

J.R. Kerr, P. Eng.

June 28, 30, 1983.
July 13, 15, 18-20, 22, 25, 26, 1983.
Aug. 1, 2, 8, 9, 18, 19, 29-31, 1983.
Sept. 2, 6, 13, 14, 16, 21, 23, 24, 27-30, 1983.
Nov. 1, 18, 25, 1983.
Dec. 5, 9, 15, 1983. — 9 days

W. Gruenwald, B. Sc.

Aug. 22-26, 29, 30, 1983.
Sept. 12-14, 1983.
Oct. 4, 6, 11, 12, 18-20, 31, 1983.
May 4, 14, 15, 16, 17, 18, 1983. — 14¼ days

R. Henderson, Senior Assistant

July 18-29, 1983.
Aug. 2-12, 18, 1983.
Sept. 24-30, 1983.
Oct. 1-5, 1983 — 35½ days

John Menzies, Assistant

July 18-29, 1983.
Aug. 1-8, 23-27, 1983.
Sept. 2-4, 1983. — 30 days

Karen Davies, Assistant

July 18-29, 1983.
Aug. 1, 2, 5-12, 18, 19, 1983.
Sept. 1-7, 1983. — 32½ days

Joel Whist, Assistant

Sept. 24-30, 1983. — 7 days

APPENDIX C

STATEMENT OF EXPENDITURES

COST STATEMENT

Personnel:

J.R. Kerr, P. Eng. 9 days @ $400/day		$3,600.00	
W. Gruenwald, B. Sc. 14¼ days @ $300/day		4,275.00	
R. Henderson, Assistant 35½ days @ $170/day		6,035.00	
John Menzies, Assistant 30 days @ $120/day		3,600.00	
Karen Davies, Assistant 32½ days @ $140/day		4,550.00	
Joel Whist, Assistant 7 days @ $140/day		980.00	
			$23,040.00

Expenses and Disbursements:

Geochemical Analyses (Acme Analytical		5,827.35	
Truck Expenses:			
52.5 days @ $40/day	2,100.00		
3150 miles @ .40/mi	1,260.00	3,360.00	
Travel Expenses - J.R. Kerr Car rental, airfare		449.03	
Accomodation & Meals		4,559.27	
Magnetometer Rental 29 days @ $20/day		580.00	
Field Equipment Rental 53.5 days @ $10/day		535.00	
Power Saw Rentals (2 saws)			
13 days @ $40/day	520.00		
Fuel & Oil	31.50	551.50	
Supplies, freight, misc. expenses		517.42	
Telephone, photocopying, secretarial, printing		665.70	
			17,045.27
GRAND TOTAL			$40,085.27

APPENDIX D

REFERENCES

<u>REFERENCES</u>

Little, H.W.	1961	1"=4 mi. Geological Map of the Kettle River (West Half).
Church, B.N.	1973	Geology of the White Lake Basin.
Kerr, J.R.	Nov. 5, 1982	Report on the Lynx, Cam and Fox Claims.
Kerr, J.R.	Oct.31, 1983	Summary Report on the Allendale Lake Property.
Cartwright, P.A.	Dec.16, 1983	Report on the Induced Polarization and Resistivity Survey on the Allendale Lake Property. Phoenix Geophysics Ltd.

APPENDIX E

WRITER'S CERTIFICATE

Werner GRUENWALD, B. Sc.
Geologist

#6 NICOLA PLACE, 310 NICOLA ST., KAMLOOPS, B.C. V2C 2P5 • TELEPHONE (604) 374-0544

CERTIFICATE

I, WERNER GRUENWALD, OF KAMLOOPS, BRITISH COLUMBIA, DO HEREBY CERTIFY THAT:

(1). I am a geologist residing at 1294 Highridge Drive, in the City of Kamloops, in the Province of British Columbia. I am employed by Kerr, Dawson & Associates Ltd., of Suite #206, 310 Nicola Street, Kamloops, B.C. V2C 2P5.

(2). I am a graduate of the University of British Columbia, B. Sc. (1972), and a fellow of the Geological Association of Canada. I have practised my profession for 12 years.

(3). I am the author of this report which describes the results of the geological, geochemical and geophysical exploration programme on the Allendale Lake property, Osoyoos and Greenwood Mining Division, British Columbia.

KERR, DAWSON & ASSOCIATES LTD.

GEOLOGICAL ASSOCIATION OF CANADA
W. GRUENWALD
FELLOW

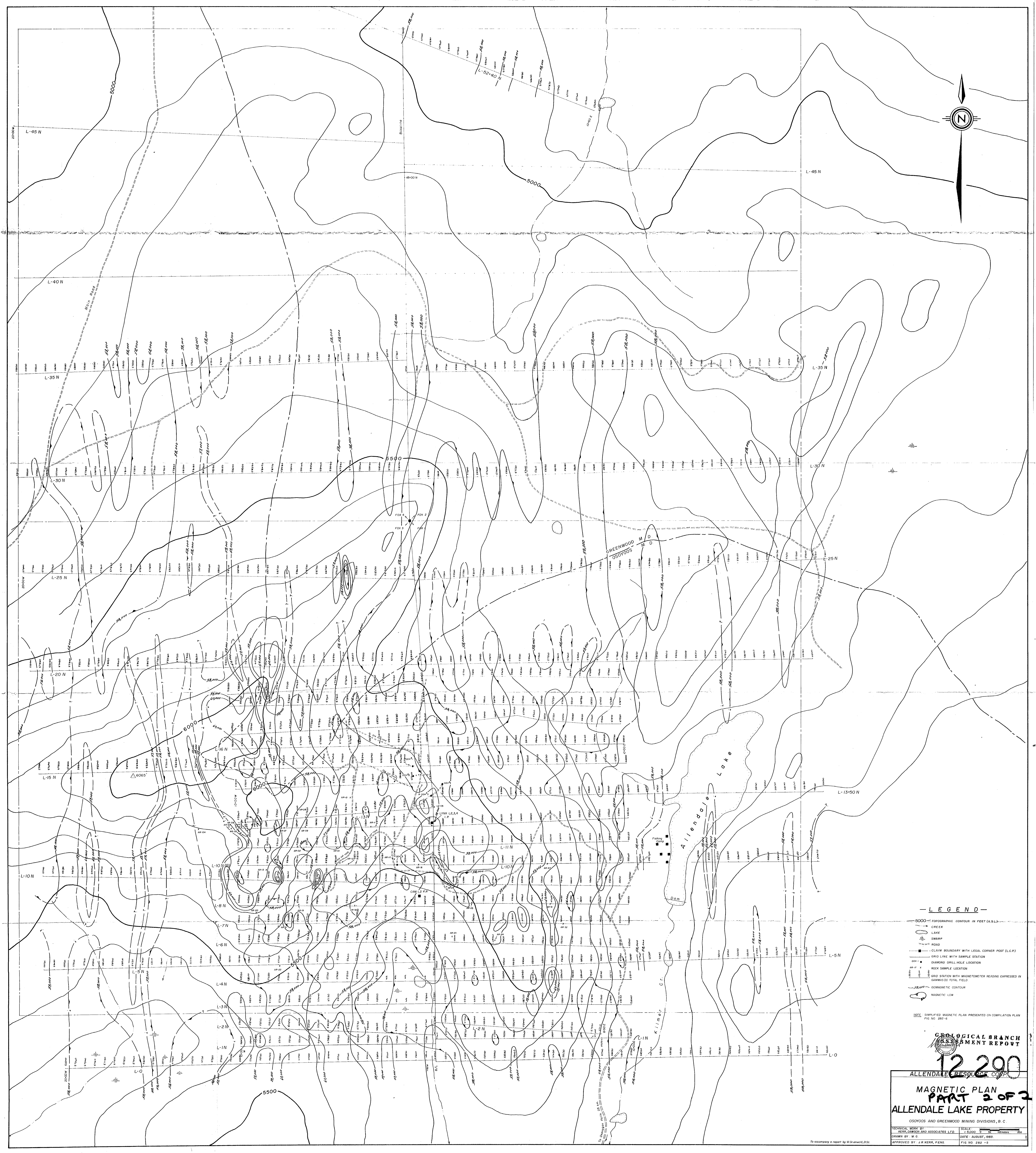
Werner Gruenwald, B. Sc.
GEOLOGIST

KAMLOOPS, B.C.

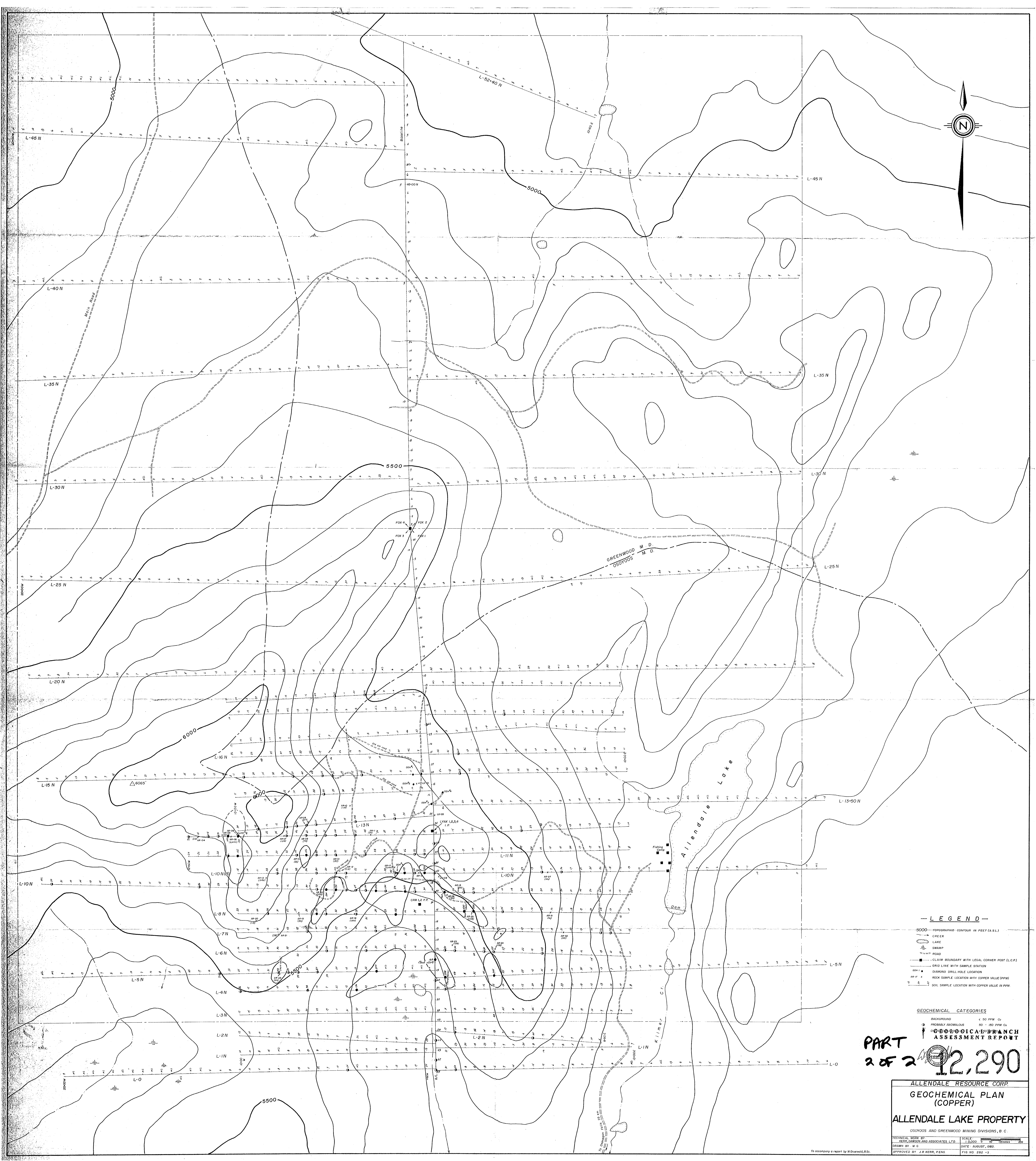
May 18, 1984.

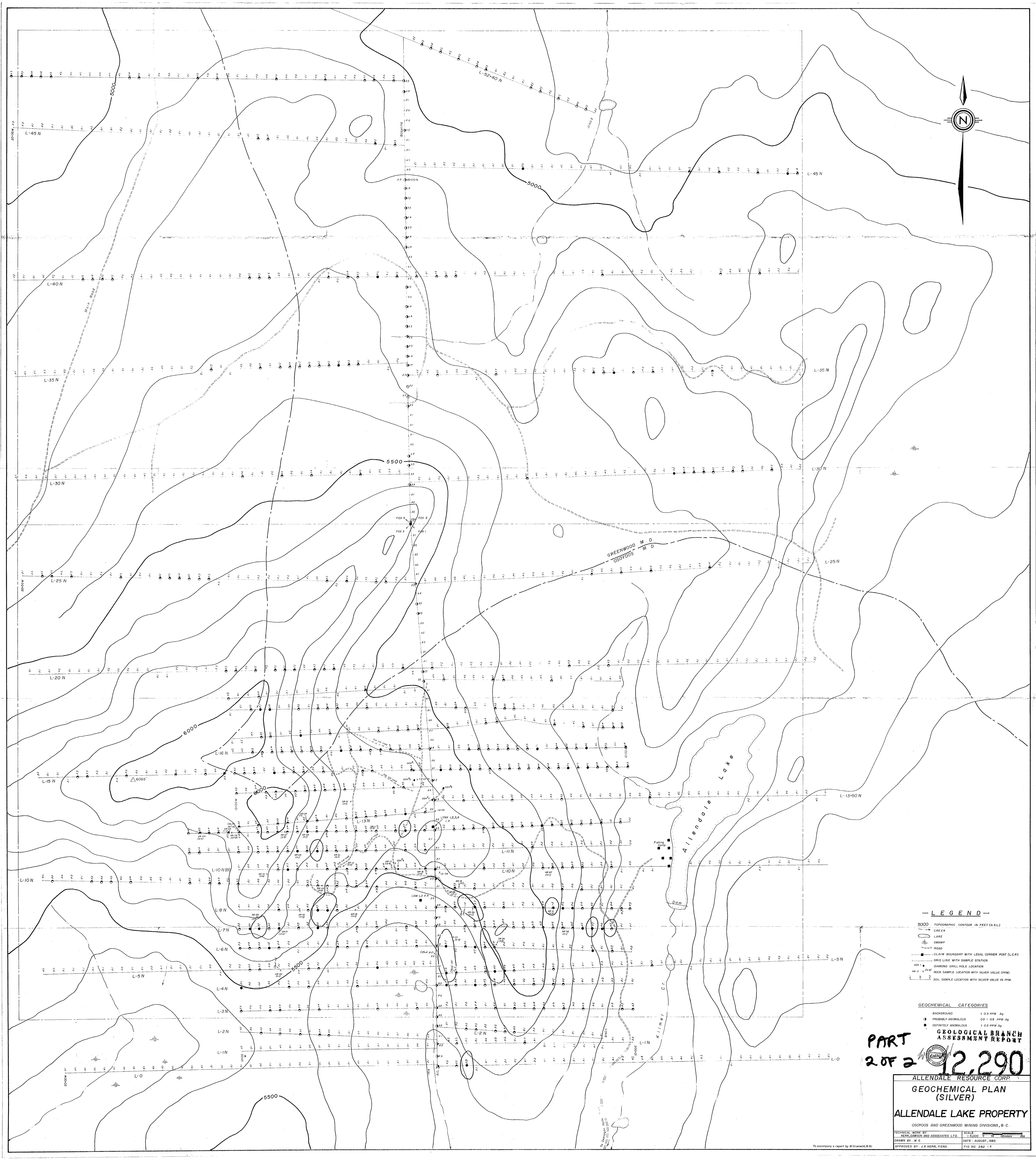
APPENDIX F

MAPS


L-45 N
L-40 N
L-35 N
L-30 N
L-25 N
L-20 N
L-16 N
L-15 N
L-13+50 N
L-11 N
L-10 N
L-8 N
L-7 N
L-6 N
L-5 N
L-4 N
L-3 N
L-2 N
L-1 N
L-0
L-52+40 N
Baseline
5000
5500
6000
△ 6065'
GREENWOOD M.D.
OSOYOOS M.D.
Allendale Lake
Kilmer Cr.
Fishing Camp
LYNX 1,2,3,4
FOX 1
FOX 2
FOX 3
FOX 4
CAM 1,2 P.P.
— L E G E N D —
5000 TOPOGRAPHIC CONTOUR IN FEET (A.S.L.)
CREEK
LAKE
SWAMP
ROAD
CLAIM BOUNDARY WITH LEGAL CORNER POST (L.C.P.)
GRID LINE WITH SAMPLE STATION
DOH 1 DIAMOND DRILL HOLE LOCATION
AR-17 X ROCK SAMPLE LOCATION
58,550 58,200 58,400
GRID STATION WITH MAGNETOMETER READING EXPRESSED IN GAMMAS (γ) TOTAL FIELD.
58,600 ISOMAGNETIC CONTOUR
MAGNETIC LOW
NOTE: SIMPLIFIED MAGNETIC PLAN PRESENTED ON COMPILATION PLAN FIG. NO. 282-6
GEOLOGICAL BRANCH ASSESSMENT REPORT
12 290
ALLENDALE RESOURCE CORP.
MAGNETIC PLAN
PART 2 OF 2
ALLENDALE LAKE PROPERTY
OSOYOOS AND GREENWOOD MINING DIVISIONS, B.C.
TECHNICAL WORK BY: KERR, DAWSON AND ASSOCIATES LTD.
SCALE: 1:5,000
0 50 100 meters 200
DRAWN BY: W.G.
DATE: AUGUST, 1983.
APPROVED BY: J.R. KERR, P.ENG.
FIG. NO. 282-5
To accompany a report by W. Gruenwald, B.Sc.


GREENWOOD M.D.
OSOYOOS M.D.
FOX 4
FOX 2
FOX 3
FOX 1
L-25 N
L-20 N
L-16 N
L-15 N
L-13+50 N
L-11 N
L-10 N
L-8 N
L-7 N
L-6 N
L-5 N
L-4 N
L-3 N
L-2 N
L-1 N
L-0
6000
6065'
5500
N
Allendale Lake
Fishing Camp
Dam
LYNX 1,2,3,4 I.P.
CAM 1,2 F.P.
Moon 3,4 I.P.
Moon 1,2 F.P.
DICK 1-4 CLAIMS
Allmer Cr.
To Okanagan Falls 25 km.
To accompany a report by W.Gruenwald, B.Sc.
— L E G E N D —
5000 TOPOGRAPHIC CONTOUR IN FEET (A.S.L.)
CREEK
LAKE
SWAMP
ROAD
CLAIM BOUNDARY WITH LEGAL CORNER POST (L.C.P.)
GRID LINE WITH SAMPLE STATION
DDH 1 DIAMOND DRILL HOLE LOCATION
AR-17 X ROCK SAMPLE LOCATION
ZONE OF ERRATIC MAGNETIC RESPONSE
ZONE OF GENERAL MAGNETIC LOW
SOIL ANOMALY - COPPER >150 PPM.
SOIL ANOMALY - SILVER > .7 PPM.
I.P. ANOMALIES
DEFINITE
PROBABLE
POSSIBLE
GEOLOGICAL BRANCH
ASSESSMENT REPORT
12,290
PART 2 OF 2
ALLENDALE RESOURCE CORP.
COMPILATION OF GEOCHEMICAL
MAGNETIC & INDUCED POLARIZATION
DATA
ALLENDALE LAKE PROPERTY
OSOYOOS AND GREENWOOD MINING DIVISIONS, B.C.
TECHNICAL WORK BY: KERR, DAWSON AND ASSOCIATES LTD.
SCALE: 1:5,000 0 50 100meters 200
DRAWN BY. W.G.
DATE: AUGUST, 1983.
APPROVED BY: J.R.KERR, P.ENG.
FIG. NO. 282 - 6


L-52+40 N
L-45 N
L-40 N
L-35 N
L-30 N
L-25 N
L-20 N
L-16 N
L-15 N
L-13+50 N
L-13 N
L-11 N
L-10 N
L-8 N
L-7 N
L-6 N
L-5 N
L-4 N
L-3 N
L-2 N
L-1 N
L-0
5000
5500
6000
Baseline
Main Road
GREENWOOD M.D.
OSOYOOS M.D.
FOX 1
FOX 2
FOX 3
FOX 4
LYNX 1,2,3,4
CAM 1,2
6065'
Allendale Lake
Fishing Camp
Dam
Klimer Cr.
— LEGEND —
5000 TOPOGRAPHIC CONTOUR IN FEET (A.S.L.)
CREEK
LAKE
SWAMP
ROAD
CLAIM BOUNDARY WITH LEGAL CORNER POST (L.C.P.)
GRID LINE WITH SAMPLE STATION
DDH 1 DIAMOND DRILL HOLE LOCATION
AR-17 X ROCK SAMPLE LOCATION WITH COPPER VALUE (PPM)
SOIL SAMPLE LOCATION WITH COPPER VALUE IN PPM.
GEOCHEMICAL CATEGORIES
BACKGROUND < 50 PPM Cu
PROBABLY ANOMALOUS 50 - 150 PPM Cu
DEFINITELY ANOMALOUS > 150 PPM Cu
GEOLOGICAL BRANCH ASSESSMENT REPORT
PART 2 OF 2
12,290
ALLENDALE RESOURCE CORP.
GEOCHEMICAL PLAN (COPPER)
ALLENDALE LAKE PROPERTY
OSOYOOS AND GREENWOOD MINING DIVISIONS, B.C.
TECHNICAL WORK BY: KERR, DAWSON AND ASSOCIATES LTD.
SCALE: 1:5,000 0 50 100 meters 200
DRAWN BY: W.G.
DATE: AUGUST, 1983.
APPROVED BY J.R. KERR, P.ENG.
FIG. NO. 282-3
To accompany a report by W. Gruenwald, B.Sc.



L-45 N
L-40 N
L-35 N
L-30 N
L-25 N
L-20 N
L-16 N
L-15 N
L-13 N
L-13+50 N
L-11 N
L-10 N (B)
L-10 N
L-8 N
L-7 N
L-6 N
L-5 N
L-4 N
L-3 N
L-2 N
L-1 N
L-0
L-52+40 N
5000
5500
6000
6065'
GREENWOOD M.D.
OSOYOOS M.D.
Allendale Lake
Fishing Camp
Dam
Klimer Cr.
Main Road
FOX 1
FOX 2
FOX 3
FOX 4
CAM L.2 F.P.
LYNX L.2 S.A
N
— L E G E N D —
5000 TOPOGRAPHIC CONTOUR IN FEET (A.S.L.)
CREEK
LAKE
SWAMP
ROAD
CLAIM BOUNDARY WITH LEGAL CORNER POST (L.C.P.)
GRID LINE WITH SAMPLE STATION
DDH 1 DIAMOND DRILL HOLE LOCATION
AR-17 x (12.8) ROCK SAMPLE LOCATION WITH SILVER VALUE (PPM)
SOIL SAMPLE LOCATION WITH SILVER VALUE IN PPM.
GEOCHEMICAL CATEGORIES
BACKGROUND < 0.3 PPM Ag
PROBABLY ANOMALOUS 0.3 - 0.5 PPM Ag
DEFINITELY ANOMALOUS > 0.5 PPM Ag
GEOLOGICAL BRANCH
ASSESSMENT REPORT
PART 2 OF 2
12,290
GEOLOGICAL ASSOCIATION OF CANADA
FELLOW
ALLENDALE RESOURCE CORP.
GEOCHEMICAL PLAN
(SILVER)
ALLENDALE LAKE PROPERTY
OSOYOOS AND GREENWOOD MINING DIVISIONS, B.C.
TECHNICAL WORK BY: KERR, DAWSON AND ASSOCIATES LTD.
SCALE: 1:5,000
0 50 100 meters 200
DRAWN BY. W.G.
DATE: AUGUST, 1983.
APPROVED BY: J.R. KERR, P.ENG.
FIG. NO. 282 - 4