GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,598

ASSESSMENT REPORT

TRAC MINERAL GROUP

KAMLOOPS MINING DIVISION

Latitude: 50° 49' N
Longitude: 121° 31 E

NTS 92 I/13E & 92 I/14W

BY

TOR BRULAND, M.Sc, P.Geol., FGAC
Contract Geologist
TECK EXPLORATION LTD.
1199 WEST HASTINGS STREET
VANCOUVER, B.C. V6E 2K5

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SUMMARY

The mineral claims TRAC 1 to 4 were located in 1987 to cover an area of the Trachyte Hills with anomalous heavy mineral gold values. The TRAC 5 was located in 1988 to cover additional drainage in the western slope of these hills. The claims were grouped in 1989 to form the TRAC claim group.

The claim group covers Cretaceous bedded pebble conglomerate and wacke in the southern part of the Bonaparte Graben. The conglomerate is well to moderate sorted with subrounded pebbles. These rocks are exposed in the southern, western and northern part of the claim group. The sediments are believed to represent an intermediate to distal alluvial fan facies from a northern source. They dip E and W from a central core of Nicola Group volcanics and serpentinite, which are exposed in the northeast corner of the claim group. The sediments are interpreted to be deposited as plane beds in alluvial channels by continuous sediment transport in the Upper Flow Regime.

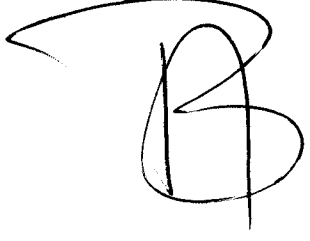
An Eocene quartz latite lava dome is located in the central and eastern part of the claim group, and extends east beyond the claim boundary.

The area is covered by thick glacial overburden, in excess of six feet. Soil development in the glacial till is poor, and leaching is deep.

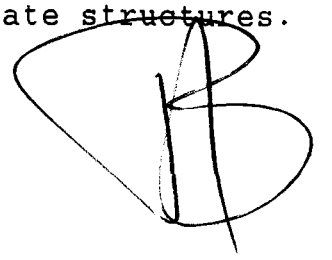
Thirty nine rock sample were collected on the claim group. They were analyzed for gold by fire assay with atomic absorption finish, and for 32 additional elements by ICP. All of the samples returned background gold values.

Previous anomalous heavy mineral gold values in creeks draining the Trachyte Hills were follow up by eighteen heavy mineral samples at 500 m spacing up stream. The -150 mesh fraction of the samples was separated into magnetic, para-magnetic and non-magnetic fractions by C.F. Minerals in Kelowna. The -150 mesh non-magnetic fraction was analyzed for gold and 33 elements by neutron activation. Five elements were also analyzed by acid digestion and atomic absorbtion. The samples defines a gold anomaly at the peak of the Trachyte Hills. The anomalous gold values are associated with silver, antimony and arsenic.

The gold anomaly is believed to be related to the quartz latite lava dome underlying the peak of the hills.



A 75 km geophysical survey with magnetometer and two transmitter stations VLF-EM were completed on the TRAC grid to assist mapping. The magnetic survey located three areas with possible shallow wide dykes or alteration zones associated to the quartz latite. VLF-EM located three directions of conductors (N-S, NE-SW & NW-SE) which are all believed to reflect shallow to intermediate structures.



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INTRODUCTION

The TRAC claim group is located in the central interior of B.C. within the Kamloops Mining Division. It is composed of five modified grid claims containing 90 units which cover about 2,250 hectares.

The claims are under option from Technigen Corporation. Teck Corporation has an option to earn 70% interest in the claims by funding exploration on the property.

The claim group covers the central part of the Trachyte Hills in the southern end of the Bonaparte Graben. The graben is filled with Cretaceous alluvial fan sediments, which might be correlated with part of the Pasayten Group of the Tyaughton-Methow Terrane to the SW. The alluvial fan sediments are unconformably overlain by a coarse arid cobble conglomerate in the southwest.

To the west, the sediments are in contact with massive limestone of the Permian to Triassic Marble Canyon Formation (Central belt of the Cache Creek Complex). To the northeast and southwest, the graben is bounded by schist of the Pennsylvanian to Triassic Eastern belt of the Cache Creek Complex. In the south and east, the sediments are in contact with volcanics of the Triassic to Jurassic Nicola Group. The graben sediments are intruded by Eocene quartz latite and rhyolite lava domes, stocks and dykes.

Previous exploration in this extensively overburden covered area has been concentrated east and west of the Bonaparte Graben. Cominco's Maggie Porphyry Cu-Mo Deposit is located 13 km to the northeast, while B.C. Hydro's Hat Creek Coal Deposit is located 9 km to the southwest.

Sporadic exploration for gold has been done since the turn of the century. The majority of the work was done in the Maiden Creek drainage, 16 km north of the claim group.

Heavy mineral sampling in the Bonaparte Graben in 1987 and 1988 by Discovery Consultants, located anomalous gold values in creeks draining the Trachyte Hills.

This report summarises geological, heavy mineral sampling and geophysical work on the claim group in 1990.

LOCATION, ACCESS, PHYSIOGRAPHY

The TRAC claim group is located about 90 km west of Kamloops, 220 km northeast of Vancouver and 12 km west of Cache Creek in south central B.C. (Figure 1). The claims cover the peak of the Trachyte Hills at latitude 50° 49' N and longitude 121° 31' W on NTS map sheets 92 I/13E and 92 I/14W.

Access to the claim group is provided by the 4500 Forest Roads west from Provincial Highway 97 south of Cache Creek, or by the 4600 Forest Roads east from Hat Creek and Provincial Highway 12. Several old logging roads north from the Forest Access Roads straddles the claim group. The central part of the claim group is accessible by foot only (Figure 2).

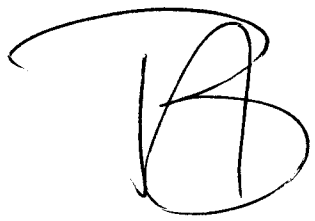
The property is located in an upland plateau region with subdued topography, and an elevation ranging from 3,000 to 5,100 feet. Vegetation consists of predominantly coniferous trees ranging from mature timber to second generation growth following intermittent logging. Minor deciduous trees and sage brushes are mixed with the coniferous trees in a semi arid climate. Temperature is high in the summer and moderate in the winter, which allows for year round exploration.

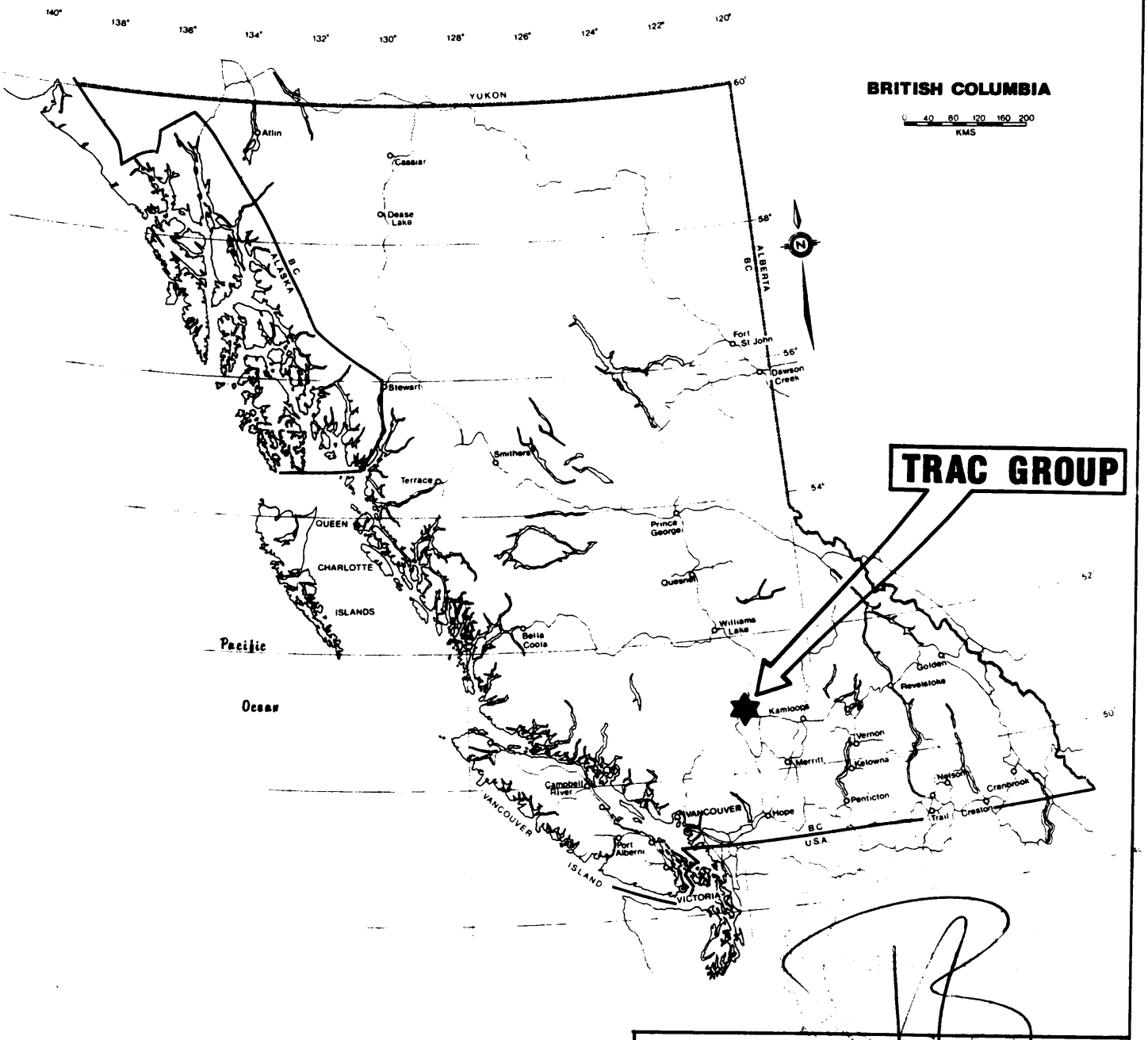
CLAIM DATA

The TRAC claim group consists of five modified grid claims (Table 1). The group which has 90 units and cover 2,250 hectares, is located in the Kamloops Mining Division, NTS 92 I/13E and 92 I/14W (Figure 2).

TABLE 1
CLAIM DATA

Claim	Units	Record No.	Staked/ Recorded	Current Expiry	Assessment Pending
TRAC 1	18	7127	6/19/87	6/24/91	6/24/94
TRAC 2	18	7128	6/20/87	6/24/91	6/24/94
TRAC 3	18	7129	6/21/87	6/24/91	6/24/95
TRAC 4	18	7130	6/21/87	6/24/91	6/24/94
TRAC 5	18	7928	7/08/88	7/14/91	7/14/94





TECK EXPLORATION LTD	
NTS-92I/13E	
LOCATION MAP	
	Date: August, 1990
Data: T. Bruland	FIGURE 1

HISTORY

To the southwest B.C. Hydro conducted intense exploration for coal between 1970 and 1982. A large coal deposit estimated to contain between 10 and 15 billion tons of coal was outlined 9 km southwest of the claim group. A high grade section of 350 million tons of subbituminnous/lignite coal has been delineated as feed for B.C. Hydro's planned thermal electrical plant. The project has been on hold since 1983, and commercial production is still pending.

Porphyry copper exploration by Cominco east of the Bonaparte Graben in the 70's, located the Maggie Deposit which contains 181 million tons of .28% Cu and .029% Mo. The deposit is located adjacent to the eastern graben boundary, 13 km northeast of the claim group.

Small amounts of placer gold have been found in the area since the turn of the century. Bedrock gold mineralization was reported in 1901 when a sample of quartz conglomerate from the lower extent of Maiden Creek, 18 km north of the claim group, assayed about .19 oz/ton gold.

Most of the work since then has been done in the Maiden Creek drainage, about 16 km north of the claim group.

In 1980 Cominco explored the Trachyte Hills. However, the results of their activity are unknown.

A regional heavy mineral program for the Bonaparte Graben was initiated in 1987 by Discovery Consultants. Minor follow up work with closer spaced sampling on selected anomalies was done in 1988 and 1989. The heavy mineral samples were separated into magnetic, para-magnetic and non-magnetic fractions. Experience has shown Discovery that gold is located in the -150 mesh non-magnetic fraction.

Heavy mineral samples from the creeks draining the peak of the Trachyte Hills range between 3,100 ppb (0.09 oz/ton) and 54,000 ppb (1.58 oz/ton) gold in the -150 mesh non-magnetic fraction. Some of these gold values are associated with anomalous As, Ba or Hg. In the west gold values are also associated with semi anomalous Mo or Cu values.

This heavy mineral anomaly (A in Figure 5) is believed to be associated with the Eocene quartz latite lava dome underlying the peak of the Trachyte Hills.

OBJECTIVE OF THE CURRENT PROGRAM

Prospecting and mapping of the limited outcrops were done to locate bedrock mineralization on the claim group. Rock samples were collected to located mineralization and trace element distribution.

Eighteen heavy mineral samples were collected on the claim group to delineate the gold anomaly. The samples were collected from one drainage in the north and one in the west. Two drainages in the south were also sampled (Figures 6 & 7). Due to the lack of significant drainages in the east no samples were collected here.

Geophysical magnetometer and VLF-EM surveys were completed on the TRAC grid to assist the mapping around the quartz latite lava dome.

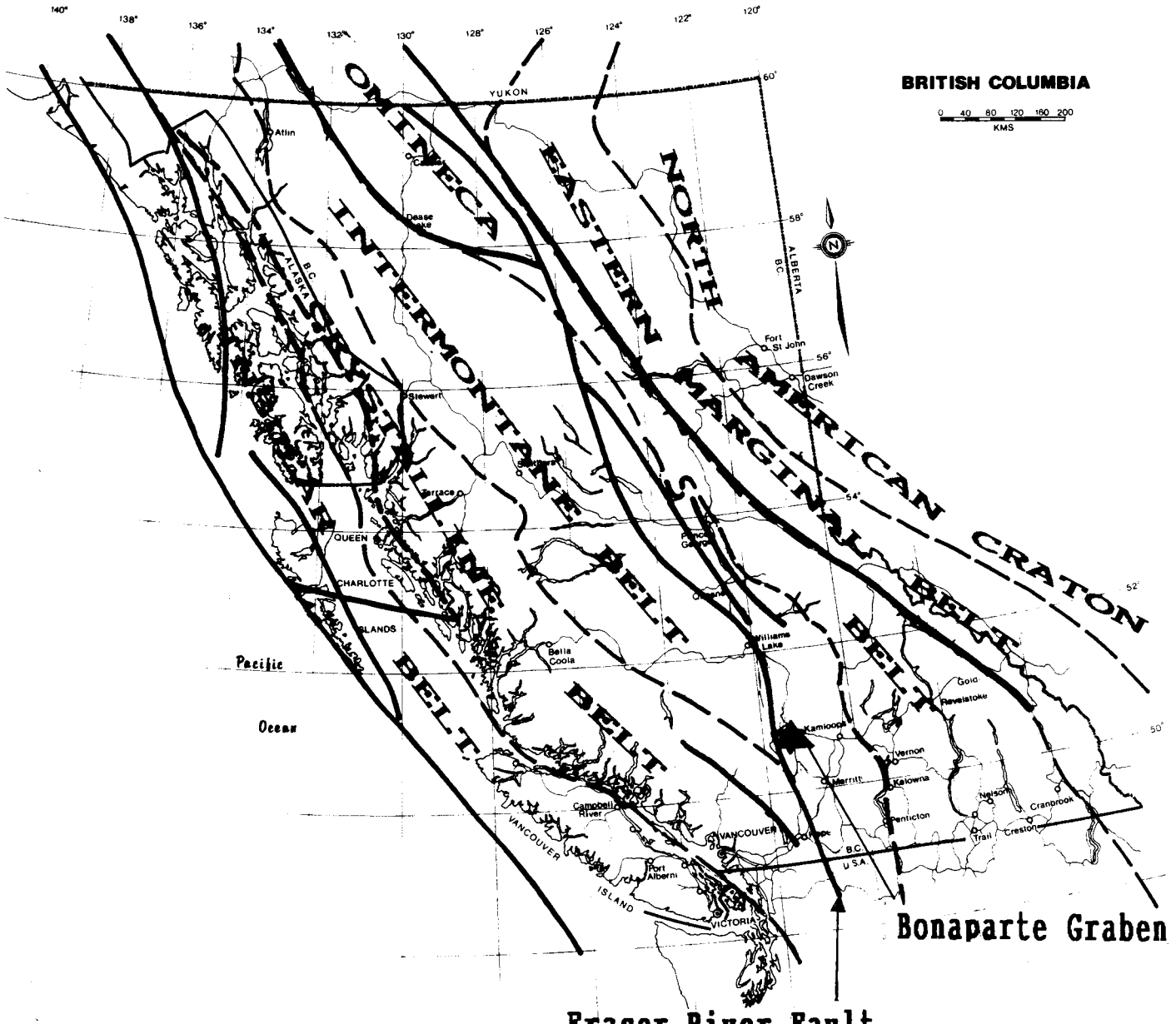
REGIONAL GEOLOGY

The TRAC claim group is located in the allochtonous Intermontane Belt (Figure 3). This is a superterrane composed of two oceanic terranes (Slide Mountain and Cache Creek), and two island arc terranes (Quesnel and Stikine). The claim group covers an area in the southeastern part of the Cache Creek Terrane along the boundary of the Quesnel Terrane. The location is about 20 km east of the Fraser River Fault system (Figure 4).

The Bonaparte Graben is part of the Cache Creek Terrane. The graben is filled by Cretaceous alluvial fan sediments of unknown thickness (Figure 5). They might be correlated with sediments of the Pasayten Group in the Tyaughton-Methow Terrane along the Fraser Fault System to the SW. The alluvial fan are bedded coarsening upwards coarse clastic sediments. They dip to the W and E from a central core of the western volcanic facies of the late Triassic to early Jurassic Nicola Group.

The sediments were deposited on a Triassic paleosurface of Nicola Group volcanics. There is a northern proximal fan facies (coarse cobble to boulder conglomerate), and a southern distal fan facies (wacke and fine pebble conglomerate). This indicates a northern source for the sediments, which are deposited as plane beds in alluvial channels by continuous sediment transport in the Upper Flow Regime. Minor sericite and carbonate alteration of the sediments can be identified in thin sections.

The alluvial fan sediments are unconformably overlain in the southwest by an arid cobble conglomerate. This conglomerate is deposited by mudflows or debris flows from a western source.



LEGEND

Regional Strike-slip Faults

Coast Range Megalineament

TECK EXPLORATION LTD.	
TECTONIC BELTS	
	DATE: APR./91
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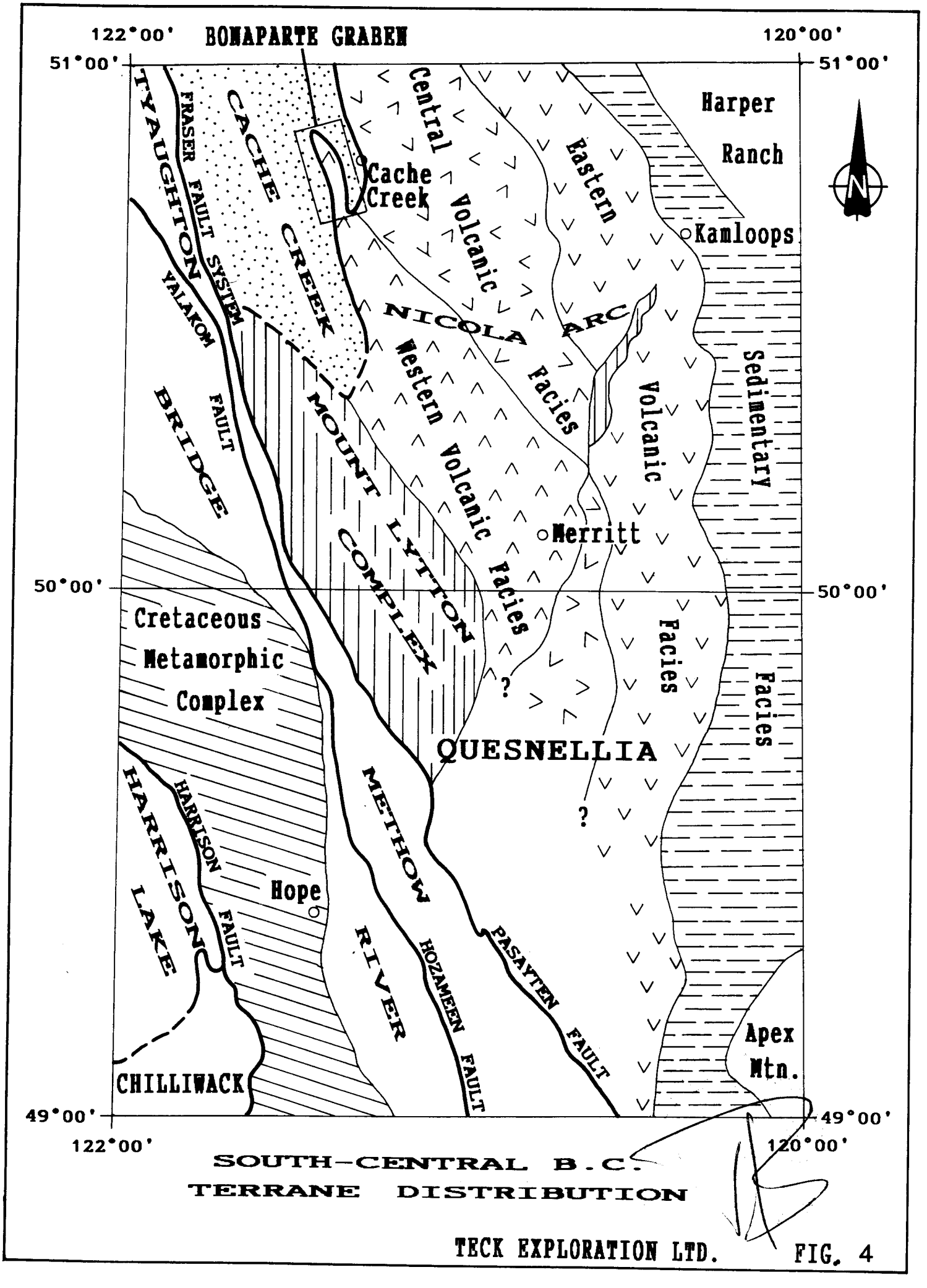


SOUTH-CENTRAL B.C.
TERRANE DISTRIBUTION

TECK EXPLORATION LTD. FIG. 4

In the west the graben is bounded by the Permian to Triassic Marble Canyon Formation. Massive limestone is interbedded with minor ribbon chert, argillite, tuffs and volcanic flows. This is part of the Central Belt of the Cache Creek Complex.

To the northeast and southwest, the graben is bounded by the middle Pennsylvanian to late Triassic Eastern Belt of the Cache Creek Complex. It is composed of chert, phyllite, schist, argillite, basalts and minor carbonate. This belt host the Maggie Porphyry Cu-Mo Deposit in the northeast.

In the south and east, the graben is bounded by the western and central volcanic facies of the late Triassic to early Jurassic Nicola Group of the Quesnel Terrane. These facies are composed of pyroclastics and flows of andesitic to dacitic composition, argillite and sandstone. The volcanic breccia and lapilli tuff of the lower part of the facies (possible subaerial origin) changes into fine grained volcaniclastics and massive limestone in the upper facies (possible subaqueous origin). Amygdaloidal basaltic pillow lavas in the north are believed to be part of the Nicola Group underlying the Cretaceous sediments.

The sediments were intruded by Eocene quartz latite and rhyolite bodies ranging in size from narrow dykes to large lava domes. These rocks have patchy argillic alteration.

Post Eocene compression formed a northwest striking anticline in the graben. Subsequent erosion has exposed the Nicola Group volcanics in the core of this anticline. The presence of serpentinite along the northeastern part of this core suggest a tectonic origin of the block. However, the absence of other structural evidence and the present dip of the alluvial fan sediments, indicates that the serpentinite could be part of an ultramafic sequence (opholite) in the Nicola Group rather than structural controlled intrusions. The folding is also supported by the presence of coeval north trending synclines and anticlines in the Hat Creek Valley 9 km to the southwest.

The post Eocene deformation formed large and small scale faults throughout the graben.

The area is covered by extensive glacial overburden from at least one episode of Pleistocene glaciation.

CLAIM GROUP GEOLOGY

The claim group covers a six km strike length of the Bonaparte Graben (Figure 5). It is underlain by Cretaceous alluvial fan sediments which are intruded by a large, semicircular Eocene quartz latite lava dome extending east beyond the claim group (Figures 6 & 7). In the northeast the claim group is underlain by volcanics of the Nicola Group in the core of the anticline (Figure 6). None of the contacts are exposed in this area.

The northern, western and southern part is underlain by bedded polymictic pebble conglomerate and wacke (Figures 6 & 7). Strike is generally NW-SE with a gentle SW dip (15-20°). Limited outcrops indicate there is more conglomerate than wacke in the east, while it is mainly wacke with minor conglomerate in the west. The wacke in the west reflects a deeper erosion level of the alluvial fan sequence than the conglomerate in the east.

The conglomerate is moderately sorted in the coarser parts and well sorted in the finer parts. It is mainly matrix supported (40-80% matrix) with subangular to rounded fragments (quartz, tuff, chert, siltstone, wacke, andesite and basalt) of 5 to 50 mm, averaging 10 mm.

The wacke is medium to coarse grained, well to very well sorted with 60% quartz and feldspar, 25% subrounded rock fragments (chert, argillite, tuff and siltstone), 10% clay-carbonate and 5% limonite. There are up to 5% subrounded pebbles to 15 mm in the wacke.

The texture and composition of the sediments suggest plane bed deposition in alluvial fan channels by continuous sediment transport in the Upper Flow Regime.

The quartz latite is located in the central eastern part of the claim group. It is fine grained equigranular to porphyritic with up to 5 mm euhedral to subhedral quartz and amphibole phenocrysts. The groundmass is composed of K-feldspar, plagioclase, biotite, hematite and quartz. Alteration is patchy with replacement of K-feldspar by clay. The presence of secondary quartz and iron oxides indicating that it is an argillic alteration assemblage. The iron oxides may be the product of oxidation of pyrite. The quartz latite is sheared, isoclinal folded and flow banded on a local scale.

In the northeast the claim group covers andesite of the western volcanic facies of the Nicola Group. The andesite is fine grained equigranular and intense fractured. Calcite/siderite is present as veins and along fractures. The fractures can also be coated by limonite staining. This is part of the core of the anticline.

The property is covered by extensive glacial overburden with very poor soil development. Road cuts indicate deep leaching of the soil.

MINERALIZATION

Only minor disseminated pyrite has been identified in the Bonaparte Graben. This mineralization is hosted by the western facies of the Nicola Group volcanics in the core of the anticline 3 km N of the claim group.

Thirty eight rock samples were collected on the claim group (Figures 6 & 7). The samples were sent to Chemex Labs Ltd. in North Vancouver, where they were analyzed for gold by standard fire assay and atomic absorption finish. Determination for an additional 32 elements (Ag, Al, As, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, Hg, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sc, Sr, Ti, Tl, U, V, W, and Zn) were done by a nitric-aqua-regia digestion and analyzing by inductively coupled plasma spectroscopy (Appendix 2).

All the samples returned background gold values (<5 ppb) without any significant trace elements.

The rock samples can be divided into four groups. The largest group is the quartz-latite with 33 samples. These rocks are depleted in Al, Ca, Co, Cu, Fe and Ni. The surrounding sediments (three samples) are elevated in Al, Ca, Co, Cr, Cu, Fe, Ni, P and V. Along the contact is a silicified quartz-latite (one sample) which is enriched in Al, Ca, Co, Cu, Fe, Mn, Mg, Ni, P, Sr, V and Zn. The enrichment of these elements is believed to be due to allochemical contact metamorphism between the sediments and the quartz-latite. Andesite from the Nicola Group (one sample) is elevated in Cu and Sr; and depleted in Cr compared to the overlying sediments.

HEAVY MINERAL SAMPLING

Eighteen heavy mineral samples were collected on the claim group by Discovery Consultants of Vernon (Figures 6 & 7). The samples follow up the anomalous gold values in creeks draining the Trachyte Hills from previous years. The samples were collected in four creeks at 500 m spacing or in their tributaries. Eight samples were collected from a northern drainage, and seven were collected from a western drainage. Both the southern and eastern area of the claim group is poorly drained, and only three samples were collected from two drainages close to the southern claim group boundary.

The heavy mineral method employed on the property is a method developed by Discovery Consultants. An approximately ten kilogram sample of -20 mesh material was collected from gravel in the stream at each sample location. The -20 mesh material was sent to C.F. Minerals Ltd. in Kelowna B.C. where a combination of magnetic and liquid techniques were employed to separate the samples into magnetic, para-magnetic and non-magnetic fractions.

Based on their extensive experience with heavy mineral sampling, both in B.C. and the U.S., the -150 mesh non-magnetic fractions (-150 HN) were selected and sent to Activation Laboratories in Ontario for non-destructive analysis. Analysis of the samples was done by neutron activation for Au, Ag, As, Ba, Br, Ca, Ce, Co, Cr, Cs, Eu, Fe, Hf, Hg, Ir, La, Lu, Mo, Na, Nd, Ni, Rd, Sb, Sc, Se, Sm, Sr, Ta, Tb, Th, U, W, Yb, and Zn. Determination for Ag, Cu, Pb and Zn were done by hot HNO_3-HCl extraction and for Hg by HNO_3 extraction, and atomic absorbtion by Barringer Lab. in Calgary, Alberta (Appendix 2).

Although the results are only for the -150 HN fraction, experience has shown that these values are valid for geochemical exploration purposes. They are repeatable and can be followed up.

For gold, Discovery Consultants, calculate the number of micrograms (ug) of gold in an ideal initial sample of 10 kg based on the gold content in the -150 HN fraction. This procedure could aid the interpretation of the results by removing variance between samples. However, the weight of the -20 mesh fraction for <u>all</u> the heavy mineral samples collected from the Bonaparte Graben varies between 18.1 kg and 4.2 kg. This represent a variation of 139% from the ideal sample, and it reflects variation in the stream sediments, slope of the drainage and water flow. Calculation of such an inhomogeneous population is believed to introduce a bias rather than remove it.

Interpretation has been done on the original analytical results (Appendix 2), and the gold value in ppb is plotted on Figure 6 & 7.

The sample returned gold values ranging between 3,510 ppb (0.10 oz/ton) and 204,000 ppb (5.95 oz/ton). There is a general decrease in gold values down stream, with the highest value of 204,000 ppb close to the peak of the hills. The highest gold values are associated with anomalous Ag, while anomalous Ba generally is associated with lower gold values. Most of the samples returned anomalous As and Sb with or without Hg. This association of gold and trace elements indicate proximity to the source.

GEOPHYSICAL SURVEY

Total Field Magnetometer and Very Low Frequency Electro-Magnetic (VLF-EM) surveys were carried out on the 75 km TRAC grid, which covers the peak of the Trachyte Hills. The grid lines runs east-west at 100 m spacing from a baseline along the eastern boundary of the claim group. The lines extend 2.5 km west from the baseline and have 25 m station spacing (Figure 7). Both magnetic and VLF-EM measurements were collected on 25 m station spacing along the grid lines.

A Scintrex Integrated Portable Geophysical System (IGS-2) was used for the surveys. This is a combined total field magnetics and a VLF-EM (IGS-2/MP4/VLF-4) system. A Scintrex MP-3 unit was used as base station magnetometer for diurnal correction of the magnetic data. Base station readings were taken in two locations, either at the south or at the north end of the grid, which are about 3 km apart. The change in base station location might have introduced a bias to the diurnal corrected magnetic readings. However, if the bias do exist, it is believed to be minor and without significance in locating geological contacts.

The magnetic data has a generally narrow range of about 200 gammas (Figures 8). The Eocene quartz latite has a subtle magnetic low of about 100 gammas compared to the surrounding Cretaceous sediments. The contact is better defined in the west due to thinner overburden cover.

A string of magnetic lows (I in Figure 8), to 2,000 gammas below background, are located along the southern contact of the quartz latite. The narrow width and spotty character of these lows, indicated that they are caused by a wide shallow dyke or alteration zone. The maximum depth is believed to be 25 metres. Similar strings of magnetic lows are located inside the quartz latite and adjacent to the northern contact (II & III in Figure 8). These responses are not of the same magnitude, but they are believed to reflect similar geology.

The VLF-EM survey utilizes the primary electromagnetic fields generated by the U.S. Navy's VLF-EM marine communication stations, which transmit at frequencies between 15 and 25 kHz. Because these stations have a vertical antenna current, they produce a horizontal primary magnetic field. Successful use of VLF-EM requires that the strike of the conductors are located in the direction of the transmitter to be cut by the magnetic field. The anomalies primarily reflect current channelling. The primary field generates currents which flows weakly in rocks and overburden, and these tend to be channelled by low-resistivity zones. Such zones may be due to massive sulphides, shears, unconformities or topographic effects.

Limited knowledge of the direction of conductors in this area prompted the survey to use readings from two VLF-EM stations with transmitter direction approximately perpendicular to each other. The NLK Seattle, Washington transmitter (24.8 kHz) is located to the south, while the NSS Annapolis, Maryland transmitter (21.4 kHz) is located to the east.

The VLF-EM data is presented as line profiles (Figures 9A & 10A). Algorithm is used to phase shift VLF-EM data spatially to permit contouring. This filtering (Fraser Filter) of the data greatly diminishes sharp irregular and long rolling responses. It also accentuates crossovers and inflections into positive peaks. The interpretation of filter plots is qualitative, and large responses can be equated with large and/or highly conductive zones. Contoured Fraser Filter is presented for both transmitter stations (Figures 9B & 10B).

The results indicate that the majority of the conductors (C to G in Figures 9A, 9B, 10A & 10B) have a strike oblique to both transmitter stations. This greatly reduce the effectiveness of the survey.

Two approximately N-S conductors were located by the Seattle transmitter (Figure 9A & 9B). Conductor "A" across the western part of the grid reflects a shallow source close to the western contact of the quartz latite. Conductor "B" across the central part of the grid reflects a shallow to intermediate source underneath the peak of the Trachyte Hills. Both conductors are highly conductive, and they are believed to reflect structural sources.

All the remaining conductors located by the two transmitters have either NE-SW or NW-SE strikes (Figures 9A, 9B, 10A & 10B). Due to the oblique angle to the transmitter stations these conductors have irregular patterns. Conductor "C" and its splay "C1" are believed to reflect a shallow structural source with moderate conductivity. The "D" conductor to the west reflects a highly conductive structural zone.

The three conductors "E", "F" and "G" are poorly defined shallow moderately conductors reflecting structural sources.

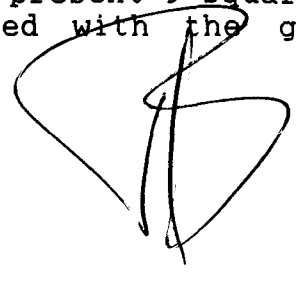
CONCLUSIONS AND RECOMMENDATIONS

The heavy mineral sampling narrowed the source area of the gold anomaly to the peak of the Trachyte Hills. This area is underlain by a felsic Eocene quartz latite lava dome which has intruded the Cretaceous sediments in the Bonaparte Graben. The quartz latite is fresh with minor patchy argillic alteration. To date no mineralization or gold related trace elements have been located in outcrops of quartz latite or sediments. The source of the heavy mineral gold anomaly is believed to be associated with buried alteration zones or structures along the quartz latite/sediment contact.

The magnetic survey located three areas with possible extensive alteration along the quartz latite contact or within it. The VLF-EM located three directions of conductors, which are all believed to be related to post quartz latite structures.

The area is covered by extensive overburden. A terrain analysis is required to determine the nature of this overburden. Due to the dry, warm climate the leaching of the overburden is extensive, and an orientation survey is needed to determine the depth of the unleached B-horizon.

A geochemical soil survey is required to reduce the potential source area of the gold anomaly from the present 9 square km. The geochemical results should be evaluated with the geophysical results to locate trenching targets.



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CERTIFICATE

I, Tor Bruland, of the city of White Rock, Province of British Columbia, do hereby certify:

1. I am a Consulting Geologist with Cascade Geological Services, 16126 12A Avenue, White Rock, B.C. V4A 6V9 on contract with Teck Exploration Ltd., 960-175 Second Avenue, Kamloops, B.C. V2C 5W1.

2. I am a graduate of the University of Bergen, Norway, with a Cand. Mag. (B.Sc.) degree in Geology (1977), and a Cand. Real. (M.Sc.) degree in Geology (1980).

3. I am a Professional Geologist licensed in the Province of Alberta with The Association of Professional Engineers, Geologists and Geophysicists of Alberta.

4. I am a registered Fellow of the Geological Association of Canada.

5. I have been practising my profession for 14 years, in Norway between 1977 and 1980, and since 1980 in British Columbia, Yukon and the western U.S.

6. This report is based on my own observations and the observations of people under my supervision on the TRAC mineral claim group between July 1, 1990 and December 31, 1990.

7. I have no direct or indirect interest, nor do I expect to receive any interest, directly or indirectly, in the property or securities of Teck Corporation or Teck Exploration Ltd. or any of its affiliates.

8. I give my consent to the use of my name and this report for qualification requirements but not for advertising purposes.

DATED at White Rock, British Columbia, this 15th day of August, 1991.

TOR BRULAND, M.Sc., P.Geol., FGAC

APPENDIX 1

STATEMENT OF COSTS

STATEMENT OF COSTS

Salaries:		
F. Daley, District Manager, supervision	$ 362.56	
T. Bruland, Project geologist 63¼ days @ $196/day	12,397.00	
T. Berger, Geologist 2 days @ $181.25/day	362.50	
G. Lovang, Geotechnican 20¾days @ $205/day	4,253.75	
G. May, Geophysical assist. 23 days @ $175/day	4,025.00	
	$21,400.81	$21,400.81
Room and board 79⅛ mandays @ $55/manday		4,351.88
Transportation 54⅛ days @ $60/day		3,247.50
Drafting		446.53
Field equipment		617.05
Communication etc.		17.80
Computer rental		729.46
Equipment rental		4,024.16
Petrography study		879.48
Analytical cost:		
18 heavy mineral samples @ $125.50/samples	$2,259.00	
38 rock samples @$16.58	630.04	
	$2,889.04	2,889.04
Consulting charges:		
Silver Standard Resources, geophysical drafting	$1,470.00	
Discovery Consultants, supervision	518.00	
Discovery Consultants, labour	2,276.74	
Discovery Consultants, room & board	286.12	
Discovery Consultants, transportation	558.15	
Discovery Consultants, data comp. & drafting	262.61	
	$5,371.62	5,371.62
TOTAL		$43,975.33

APPENDIX 2

ASSAY CERTIFICATES; HEAVY MINERALS AND ROCK SAMPLES

Date of Report: 16-Oct-90 Project 245 Trac

Heavy Mineral Results for -150HN Fraction
1990

Reference: ALL90-2073 (CFM90-809, al190-2192)

Sample ID	-20 mesh weight kg	-150HN Weight g	-150HP Weight g	-150HM Weight g	Total -150H Weight g	Au ppb	Ag ppm	As ppm	Ba ppm	Br ppm	Ca %	Ce ppm	Co ppm	Cr ppm	Cu ppm	Cs ppm
TR-01	6.3	0.63	4.38	1.24	6.25	22600	1.2	10	<200	45	<2	1100	14	310	14	<2
TR-02	7.1	0.77	5.78	1.71	8.26	3510	<0.2	20	1900	49	11	690	24	780	35	<2
TR-03	6.8	1.34	7.79	2.58	11.71	78100	3.3	11	2100	44	<3	920	22	260	41	<2
TR-04	4.2	0.14	0.87	0.64	1.65	6630	0.2	25	44000	160	<4	1400	33	380	135	<3
TR-05	9.7	0.46	2.57	1.69	4.72	116000	13.2	9	2300	49	<2	1200	10	340	24	<2
TR-06	9.0	2.79	5.10	3.33	11.22	75600	4.9	12	8800	61	<2	840	17	520	29	<2
TR-07	8.1	1.66	3.36	2.06	7.08	20300	1.6	<2	14000	39	<3	970	13	390	23	<2
TR-08	5.1	0.53	2.55	1.51	4.59	22700	7.7	24	16000	68	16	1200	19	410	32	<2
TR-09	9.4	3.32	0.92	0.37	4.61	5240	0.3	5	370000	47	<2	260	5	700	16	<2
TR-12	7.3	0.14	1.04	0.37	1.55	149000	11.0	<3	2500	100	<5	2700	<5	510	21	<2
TR-13	5.9	1.57	2.35	0.61	4.53	5250	0.9	4	730	26	<1	200	8	200	12	<2
TR-14	6.2	0.14	0.96	0.81	1.91	25400	2.8	21	<390	130	<4	1500	<5	380	36	<2
TR-15	5.6	0.29	0.63	0.30	1.22	73100	8.0	22	8600	110	<4	1200	32	460	73	<2
TR-16	9.2	2.20	5.94	4.39	12.53	20900	2.9	11	640	68	9	640	21	400	30	<2
TR-17	5.2	0.42	3.84	3.39	7.65	28300	2.0	11	<260	72	<3	1400	12	230	27	<2
TR-18	4.7	1.00	3.83	1.67	6.50	33800	5.3	8	820	42	<1	490	6	100	18	<2
TR-19	7.7	0.72	3.32	1.01	5.05	132000	6.5	13	1100	30	<1	960	20	340	12	<2
TR-20	4.6	0.09	1.06	0.75	1.90	204000	7.8	3	3500	140	<5	1900	17	300	21	<4

Project 245 Heavy Mineral Results for -150HN Fraction (part 2)

Sample ID	Eu	Fe	Hf	Hg	Ir	La	Lu	Mo	Na	Nd	Ni	Pb	Rb
	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
TR-01	16	3.85	980	75	<40	650	13	<20	8570	720	<200	14	<50
TR-02	12	8.46	760	65	<40	390	10	<20	6070	410	<200	10	<50
TR-03	13	5.58	1100	2900	<40	570	11	<20	6380	620	<210	14	<50
TR-04	20	7.53	1100	70	<40	740	17	<20	3960	890	<280	62	<50
TR-05	23	3.59	1800	150	<40	860	19	<20	4700	820	<200	13	<50
TR-06	13	5.70	960	16700	<40	350	10	<20	8770	470	<200	15	<50
TR-07	290	4.00	910	38500	<40	640	9	<20	7480	500	<200	9	<50
TR-08	15	3.72	1300	180	<40	720	17	<20	7010	710	<200	12	<50
TR-09	<1	1.67	250	20	<40	190	3	<20	5890	120	<200	5	<50
TR-12	42	3.89	3000	125	<40	1700	49	<20	4610	860	<240	15	<50
TR-13	3	2.04	460	30	<40	120	3	<20	10500	130	<200	12	<50
TR-14	18	8.07	3700	170	<40	810	38	<20	5650	1000	<300	23	<50
TR-15	17	9.76	1800	28500	<40	670	19	<20	4560	760	<250	30	<50
TR-16	11	7.00	690	40	<40	430	8	<20	5570	440	<200	15	<50
TR-17	21	3.34	1800	70	<40	780	23	<20	9350	880	<210	13	<50
TR-18	9	1.88	820	1900	<40	330	9	<20	12600	300	<200	7	<50
TR-19	14	6.30	1100	18400	<40	620	11	<20	3330	580	<200	13	<50
TR-20	24	4.98	2600	0	<40	1000	29	<20	6950	970	<380	17	<65

Project 245 Heavy Mineral Results for -150HN Fraction (part 3)

Sample ID	Sb	Sc	Se	Sm	Sr	Ta	Tb	Th	U	W	Yb	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
TR-01	5.1	52	<20	100	<0.2	16	12	170	88	37	77	33
TR-02	5.6	57	<20	62	<0.2	15	10	98	63	21	57	39
TR-03	5.9	54	<21	79	<0.2	5	9	130	67	22	60	36
TR-04	7.6	68	<20	110	<0.2	24	18	200	110	64	92	90
TR-05	6.7	32	<20	160	<0.2	27	9	210	110	22	53	29
TR-06	4.6	54	<20	65	<0.2	8	10	130	59	23	57	34
TR-07	3.9	53	<20	77	<0.2	11	11	140	62	<4	49	25
TR-08	5.0	69	<20	98	<0.2	23	12	180	110	46	90	39
TR-09	0.8	14	<20	16	<0.2	4	<2	49	15	<4	15	16
TR-12	4.8	87	<23	340	<0.2	33	29	520	330	470	247	19
TR-13	2.3	30	<20	17	<0.2	11	3	33	22	6	16	18
TR-14	6.6	79	<21	110	<0.2	32	15	300	240	100	218	69
TR-15	7.5	81	<22	98	<0.2	18	13	160	120	53	105	83
TR-16	5.2	53	25	57	<0.2	12	7	99	54	25	42	44
TR-17	5.2	62	<20	120	<0.2	27	18	290	160	69	130	56
TR-18	2.3	28	<20	48	<0.2	10	6	88	58	<4	42	25
TR-19	5.5	58	<20	84	<0.2	15	5	130	84	34	54	27
TR-20	6.4	73	<42	150	<0.2	41	27	420	240	91	162	23

Date of Report: 16-Oct-90 Project 245 Trac

Heavy Mineral Results for -150HN Fraction
1990

Sample ID	-20 mesh weight kg	-150HN Weight g	Total -150H Weight g	Au ug	Ag ug	As ug	Ba ug	Cu ug	Fe ug	Hg ug	Pb ug	Sb ug	Th ug	W ug	Zn ug
TR-01	6.3	0.63	6.25	23	1	10	0	14	39	0.1	14	6	170	37	33
TR-02	7.1	0.77	8.26	4	0	22	2	38	92	0.1	11	6	106	23	42
TR-03	6.8	1.34	11.71	154	6	22	4	81	110	5.7	28	12	256	43	71
TR-04	4.2	0.14	1.65	2	0	8	15	45	25	0.0	21	3	67	21	30
TR-05	9.7	0.46	4.72	55	6	4	1	11	17	0.1	6	3	99	10	14
TR-06	9.0	2.79	11.22	234	15	37	27	90	177	51.8	47	14	403	71	105
TR-07	8.1	1.66	7.08	42	3	<4	29	47	82	78.7	18	8	286	<8	51
TR-08	5.1	0.53	4.59	23	8	25	17	33	38	0.2	12	5	186	48	40
TR-09	9.4	3.32	4.61	22	1	18	1308	57	59	0.1	18	3	173	<14	57
TR-12	7.3	0.14	1.55	29	2	<1	0	4	8	0.0	3	1	101	91	4
TR-13	5.9	1.57	4.53	14	2	11	2	32	54	0.1	32	6	88	16	48
TR-14	6.2	0.14	1.91	6	1	5	0	8	18	0.0	5	1	65	22	15
TR-15	5.6	0.29	1.22	38	4	12	5	38	51	15.0	16	4	84	28	44
TR-16	9.2	2.20	12.53	50	7	26	2	72	167	0.1	36	12	236	60	105
TR-17	5.2	0.42	7.65	23	2	9	0	22	27	0.1	10	4	234	56	45
TR-18	4.7	1.00	6.50	72	11	17	2	38	40	4.1	15	5	188	<9	53
TR-19	7.7	0.72	5.05	123	6	12	1	11	59	17.2	12	5	121	32	25
TR-20	4.6	0.09	1.90	42	2	1	1	4	10	0.0	3	1	86	19	5

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: TECK EXPLORATION LTD.

960 - 175 2ND AVE.
KAMLOOPS, BC
V2C 5W1

Project : MAIDEN CREEK 1397
Comments: ATTN: FRED DALEY CC: TOR BRULAND

Invoice Date: 28-JUL-90
Invoice No. : I-9019295
P.O. Number : 26104

CERTIFICATE OF ANALYSIS A9019295

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
473737	205	294	< 5	< 0.2	1.10	< 5	110	< 0.5	< 2	0.15	< 0.5	< 1	29	2	0.61	< 10	< 1	0.15	< 10	0.19	150

CERTIFICATION: B. Caughlin

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: TECK EXPLORATION LTD.

960 - 175 2ND AVE.
KAMLOOPS, BC
V2C 5W1

Project : MAIDEN CREEK 1397
Comments: ATTN: FRED DALEY CC: TOR BRULAND

Invoice Date: 28-JUL-90
Invoice No. : I-9019295
P.O. Number : 26104

CERTIFICATE OF ANALYSIS A9019295

SAMPLE DESCRIPTION	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
473737	205	294	1	0.06	< 1	50	6	< 5	1	18	< 0.01	< 10	< 10	2	< 10	30

CERTIFICATION: B. Campbell

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: TECK EXPLORATION LTD.

960 - 175 2ND AVE.
KAMLOOPS, BC
V2C 5W1

Project : 1399
Comments: ATTN: FRED DALEY CC: TOR BRULAND

Invoice Date: 16-OCT-90
Invoice No. : I-9024586
P.O. Number : 26121

CERTIFICATE OF ANALYSIS A9024586

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
473743	205	294	< 5	0.2	1.97	< 5	60	< 0.5	< 2	1.20	< 0.5	33	43	25	6.84	10	< 1	0.16	20	2.80	1035
473744	205	294	< 5	0.2	0.69	< 5	60	< 0.5	< 2	0.07	< 0.5	1	58	1	0.61	< 10	< 1	0.15	< 10	0.10	195
473745	205	294	< 5	0.2	0.55	< 5	60	< 0.5	2	0.03	< 0.5	1	92	1	0.56	< 10	< 1	0.15	< 10	0.06	90
473746	205	294	< 5	0.2	0.66	< 5	50	< 0.5	< 2	0.09	< 0.5	< 1	42	< 1	0.48	< 10	< 1	0.12	< 10	0.10	260
473747	205	294	< 5	< 0.2	0.61	< 5	60	< 0.5	2	0.06	< 0.5	< 1	57	< 1	0.51	< 10	< 1	0.15	< 10	0.08	125
473748	205	294	< 5	< 0.2	0.42	< 5	40	< 0.5	< 2	0.05	< 0.5	< 1	42	< 1	0.57	< 10	< 1	0.12	< 10	0.06	95
473749	205	294	5	< 0.2	0.31	< 5	50	< 0.5	< 2	0.02	< 0.5	< 1	52	< 1	0.61	< 10	< 1	0.13	< 10	0.06	275
473750	205	294	< 5	< 0.2	0.37	< 5	50	< 0.5	< 2	0.04	< 0.5	< 1	54	< 1	0.58	< 10	< 1	0.13	< 10	0.07	245
489551	205	294	< 5	< 0.2	0.50	< 5	160	< 0.5	< 2	0.06	< 0.5	< 1	53	1	0.48	< 10	< 1	0.12	< 10	0.09	105
489552	205	294	< 5	< 0.2	0.44	< 5	40	< 0.5	< 2	0.02	< 0.5	< 1	49	< 1	0.53	< 10	< 1	0.11	< 10	0.06	140
489553	205	294	< 5	< 0.2	0.49	< 5	80	< 0.5	< 2	0.03	< 0.5	1	45	< 1	0.56	< 10	< 1	0.13	< 10	0.06	895
489554	205	294	< 5	< 0.2	0.45	< 5	90	< 0.5	< 2	0.05	< 0.5	< 1	49	< 1	0.57	< 10	< 1	0.13	< 10	0.07	590
489555	205	294	< 5	< 0.2	0.36	< 5	70	< 0.5	< 2	0.04	< 0.5	< 1	63	< 1	0.60	< 10	< 1	0.13	< 10	0.08	355
489556	205	294	< 5	< 0.2	0.50	< 5	70	< 0.5	< 2	0.07	< 0.5	< 1	53	< 1	0.54	< 10	< 1	0.12	< 10	0.07	215
489557	205	294	< 5	< 0.2	0.54	< 5	40	< 0.5	< 2	0.07	< 0.5	< 1	32	< 1	1.08	< 10	< 1	0.09	< 10	0.07	285
489558	205	294	< 5	< 0.2	0.52	< 5	60	< 0.5	< 2	0.09	< 0.5	< 1	55	< 1	0.49	< 10	< 1	0.12	< 10	0.07	385
489559	205	294	< 5	< 0.2	0.60	< 5	30	0.5	2	0.09	< 0.5	< 1	51	< 1	0.45	< 10	< 1	0.11	10	0.09	65
489560	205	294	< 5	< 0.2	0.74	< 5	50	< 0.5	< 2	0.08	< 0.5	< 1	38	< 1	0.44	< 10	< 1	0.11	< 10	0.08	160
489561	205	294	< 5	< 0.2	0.75	< 5	50	< 0.5	< 2	0.07	< 0.5	< 1	57	< 1	0.29	< 10	< 1	0.12	< 10	0.08	305

CERTIFICATION: B. Campbell

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: TECK EXPLORATION LTD.

960 - 175 2ND AVE.
KAMLOOPS, BC
V2C 5W1

Project : 1399
Comments: ATTN: FRED DALEY CC: TOR BRULAND

Invoice Date: 16-OCT-90
Invoice No. : I-9024586
P.O. Number : 26121

CERTIFICATE OF ANALYSIS A9024586

SAMPLE DESCRIPTION	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Se ppm	Te ppm
473743	205	294	< 1	0.27	48	1400	< 2	< 5	2	119	0.36	< 10	< 10	99	< 10	106	< 0.2	< 0.05
473744	205	294	< 1	0.06	1	60	< 2	< 5	1	12	< 0.01	< 10	< 10	2	< 10	44	< 0.2	< 0.05
473745	205	294	< 1	0.08	1	60	< 2	< 5	1	18	0.01	< 10	< 10	1	< 10	32	< 0.2	< 0.05
473746	205	294	< 1	0.05	< 1	20	< 2	< 5	1	13	< 0.01	< 10	< 10	< 1	< 10	36	< 0.2	< 0.05
473747	205	294	< 1	0.06	< 1	50	< 2	< 5	1	15	< 0.01	< 10	< 10	< 1	< 10	36	< 0.2	< 0.05
473748	205	294	< 1	0.05	< 1	20	< 2	< 5	1	10	< 0.01	< 10	< 10	< 1	< 10	30	< 0.2	< 0.05
473749	205	294	< 1	0.05	1	20	< 2	< 5	1	6	0.01	< 10	< 10	< 1	< 10	30	< 0.2	< 0.05
473750	205	294	< 1	0.05	1	20	< 2	< 5	1	8	< 0.01	10	< 10	< 1	< 10	32	< 0.2	< 0.05
489551	205	294	< 1	0.04	< 1	30	< 2	< 5	1	14	< 0.01	< 10	< 10	< 1	< 10	28	< 0.2	< 0.05
489552	205	294	< 1	0.05	< 1	30	2	< 5	1	5	0.01	< 10	< 10	1	< 10	32	< 0.2	< 0.05
489553	205	294	1	0.05	< 1	30	< 2	< 5	1	8	0.01	< 10	< 10	1	< 10	34	< 0.2	< 0.05
489554	205	294	< 1	0.05	< 1	30	6	< 5	1	10	< 0.01	< 10	< 10	1	< 10	38	< 0.2	< 0.05
489555	205	294	< 1	0.05	< 1	10	2	< 5	1	9	0.01	< 10	< 10	< 1	< 10	32	< 0.2	< 0.05
489556	205	294	< 1	0.05	< 1	30	2	< 5	1	13	< 0.01	< 10	< 10	< 1	< 10	24	< 0.2	< 0.05
489557	205	294	< 1	0.04	< 1	30	< 2	< 5	1	10	< 0.01	< 10	< 10	< 1	< 10	30	< 0.2	< 0.05
489558	205	294	< 1	0.05	< 1	20	< 2	< 5	1	13	< 0.01	10	< 10	1	< 10	26	< 0.2	< 0.05
489559	205	294	< 1	0.04	1	20	< 2	< 5	1	12	< 0.01	< 10	< 10	1	< 10	26	< 0.2	< 0.05
489560	205	294	< 1	0.04	< 1	20	2	< 5	1	16	< 0.01	< 10	< 10	1	< 10	46	< 0.2	< 0.05
489561	205	294	< 1	0.04	< 1	30	4	< 5	1	12	< 0.01	< 10	< 10	< 1	< 10	24	< 0.2	< 0.05

CERTIFICATION: B. Caplin

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To: TECK EXPLORATION LTD.

960 - 175 2ND AVE.
KAMLOOPS, BC
V2C 5W1

Project : 1399-TRAC
Comments: ATTN: FRED DALEY CC: TOR BRULAND

Invoice Date: 28-OCT-90
Invoice No. : I-9025393
P.O. Number : 26124

CERTIFICATE OF ANALYSIS A9025393

SAMPLE DESCRIPTION	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Se ppm	Te ppm
489562	205	294	< 1	0.08	< 1	80	8	< 5	< 1	13	< 0.01	< 10	< 10	1	< 10	36	< 0.2	< 0.05
489563	205	294	1	0.08	< 1	50	8	< 5	1	12	< 0.01	< 10	< 10	< 1	< 10	28	< 0.2	< 0.05
489564	205	294	3	0.09	1	130	10	< 5	1	15	< 0.01	< 10	< 10	< 1	< 10	50	< 0.2	< 0.05
489565	205	294	1	0.07	< 1	60	6	< 5	< 1	20	< 0.01	< 10	< 10	< 1	< 10	34	< 0.2	< 0.05
489566	205	294	2	0.09	< 1	30	4	< 5	1	17	< 0.01	< 10	< 10	< 1	< 10	28	< 0.2	< 0.05
489567	205	294	< 1	0.08	< 1	30	4	< 5	1	12	< 0.01	< 10	< 10	< 1	< 10	14	< 0.2	< 0.05
489568	205	294	< 1	0.03	48	620	6	< 5	7	31	< 0.01	< 10	< 10	91	< 10	78	< 0.2	< 0.05
489569	205	294	1	0.07	< 1	20	4	< 5	1	10	< 0.01	< 10	10	1	< 10	24	< 0.2	< 0.05
489570	205	294	1	0.07	< 1	40	4	< 5	1	11	< 0.01	< 10	< 10	< 1	< 10	24	< 0.2	< 0.05
489571	205	294	< 1	0.05	< 1	20	6	< 5	< 1	15	< 0.01	< 10	< 10	< 1	< 10	16	< 0.2	< 0.05
489572	205	294	< 1	0.05	< 1	20	2	< 5	1	11	< 0.01	< 10	< 10	< 1	< 10	28	< 0.2	< 0.05
489573	205	294	< 1	0.06	< 1	30	< 2	< 5	< 1	13	< 0.01	< 10	< 10	1	< 10	34	< 0.2	< 0.05
489574	205	294	< 1	0.05	< 1	10	< 2	< 5	< 1	15	< 0.01	< 10	< 10	< 1	< 10	32	< 0.2	< 0.05
489575	205	294	< 1	0.05	33	360	< 2	< 5	5	64	< 0.01	< 10	< 10	51	< 10	58	< 0.2	< 0.05
489576	205	294	< 1	0.05	< 1	30	2	< 5	< 1	15	< 0.01	< 10	< 10	1	< 10	32	< 0.2	< 0.05
489577	205	294	11	0.01	39	280	< 2	< 5	8	192	< 0.01	< 10	< 10	54	< 10	60	< 0.2	< 0.05
489579	205	294	< 1	0.06	< 1	50	< 2	< 5	< 1	16	< 0.01	< 10	< 10	1	< 10	32	< 0.2	< 0.05
489580	205	294	1	< 0.01	18	240	4	< 5	2	21	< 0.01	< 10	< 10	34	< 10	36	< 0.2	< 0.05

CERTIFICATION: B. Caplin

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: TECK EXPLORATION LTD.

960 - 175 2ND AVE.
KAMLOOPS, BC
V2C 5W1

Project : 1399-TRAC
Comments: ATTN: FRED DALEY CC: TOR BRULAND

Invoice Date: 28-OCT-90
Invoice No. : I-9025393
P.O. Number : 26124

CERTIFICATE OF ANALYSIS A9025393

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
489562	205	294	< 5	< 0.2	0.53	< 5	60	< 0.5	< 2	0.11	< 0.5	< 1	76	6	0.53	< 10	< 1	0.19	< 10	0.08	140
489563	205	294	< 5	< 0.2	0.52	< 5	60	< 0.5	< 2	0.08	< 0.5	< 1	63	5	0.28	< 10	< 1	0.19	< 10	0.06	110
489564	205	294	< 5	< 0.2	0.72	< 5	120	< 0.5	< 2	0.11	< 0.5	1	66	5	0.56	< 10	< 1	0.21	< 10	0.08	430
489565	205	294	< 5	< 0.2	0.53	< 5	150	< 0.5	< 2	0.08	< 0.5	1	49	4	0.60	< 10	< 1	0.17	< 10	0.07	1125
489566	205	294	< 5	< 0.2	0.56	< 5	70	< 0.5	2	0.06	< 0.5	< 1	68	3	0.54	< 10	< 1	0.19	< 10	0.08	515
489567	205	294	< 5	< 0.2	0.63	< 5	60	< 0.5	< 2	0.10	< 0.5	< 1	78	2	0.65	< 10	< 1	0.18	< 10	0.07	105
489568	205	294	< 5	< 0.2	1.93	5	160	< 0.5	< 2	0.34	< 0.5	16	183	15	3.29	< 10	< 1	0.26	10	0.91	375
489569	205	294	< 5	< 0.2	0.47	< 5	60	< 0.5	< 2	0.05	< 0.5	< 1	73	4	0.43	< 10	< 1	0.15	< 10	0.06	110
489570	205	294	< 5	< 0.2	0.49	< 5	70	< 0.5	< 2	0.05	< 0.5	< 1	87	2	0.78	< 10	< 1	0.17	< 10	0.06	85
489571	205	294	< 5	< 0.2	0.75	< 5	80	< 0.5	< 2	0.09	< 0.5	1	47	3	0.25	10	< 1	0.16	< 10	0.08	440
489572	205	294	< 5	< 0.2	0.61	< 5	80	< 0.5	< 2	0.06	< 0.5	< 1	34	2	0.33	< 10	< 1	0.14	< 10	0.07	930
489573	205	294	< 5	< 0.2	0.61	< 5	70	< 0.5	2	0.08	< 0.5	< 1	46	7	0.42	< 10	< 1	0.15	< 10	0.07	730
489574	205	294	< 5	< 0.2	0.70	< 5	70	< 0.5	< 2	0.12	< 0.5	< 1	33	5	0.77	< 10	< 1	0.13	< 10	0.08	615
489575	205	294	< 5	< 0.2	1.02	< 5	110	0.5	< 2	1.24	< 0.5	7	173	6	3.46	< 10	< 1	0.26	10	0.16	240
489576	205	294	< 5	< 0.2	0.78	< 5	40	< 0.5	< 2	0.13	< 0.5	< 1	33	2	0.45	< 10	< 1	0.15	< 10	0.10	75
489577	205	294	< 5	< 0.2	1.19	15	450	1.0	< 2	2.63	< 0.5	7	37	47	2.72	< 10	< 1	0.10	< 10	0.70	820
489579	205	294	< 5	0.2	0.91	< 5	70	< 0.5	< 2	0.12	< 0.5	< 1	32	1	0.45	< 10	< 1	0.17	< 10	0.11	280
489580	205	294	< 5	< 0.2	0.57	10	120	1.0	< 2	0.06	< 0.5	5	204	13	1.82	< 10	< 1	0.13	< 10	0.03	310

CERTIFICATION: B. Caplin

TECK EXPLORATIONS LTD

TRAC PROJECT

NTS-92I/13,14 & 92P/4

CLAIM MAP

SCALE 1:50,000	DATE: AUGUST, 1990
DATA: T. BRULAND	FIGURE 2
DRAWN BY: P. HAILLOT	

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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TECK EXPLORATIONS LTD

TRAC PROJECT

NTS-92I/13,14 & 92P/4

BONAPARTE GRABEN GEOLOGY

SCALE 1:50 000	DATE: AUGUST, 1990
DATA: T. BRULAND	FIGURE 5
DRAWN BY: P. HAILLOT	

METERS 0 500 1000 2000 3000 4000 5000

LEGEND

A Heavy mineral anomaly

KAMLOOPS GROUP — TERTIARY

8 — Latite, feldspar porphyry dykes, hornblende porphyry dykes

6 — Arid conglomerate

PASAYTEN GROUP — CRETACEOUS

5 — Alluvial fan sediments
Conglomerate, wacke

NICOLA GROUP VOLCANICS — TRIASSIC

4 — Tuff, andesite, pillow basalt, carbonate

CACHE CREEK COMPLEX — CARBONIFEROUS JURASSIC

3 — Serpentinite, albitite, magnesite.

MARBLE CANYON FORMATION-CENTRAL BELT — PERMIAN-TRIASSIC

2 — limestone

1 — EASTERN BELT Schist, argillite, chert, tuff; limestone. — PENNSYLVANIAN TRIASSIC

ROBERTSON CREEK
GALLAGHER CREEK
HAT CREEK
UPPER HAT CREEK IR1
TRACHYTE
HARRY LAKE
MEDECINE CREEK
GALLAGHER LAKES
CATTLE VALLEY
GRASSLANDS IR7
McLEAN LAKE
McLEAN LAKE INDIAN RESERVE
McLAREN CREEK
Cornwall Creek
HIP

TRAC 1
TRAC 2
TRAC 3
TRAC 4
TRAC 5

MC-31 8,300
MC-30 54,000
MC-48 16,000
MC-47 22,000
TR-15
TR-16 20,900
TR-17 28,300
TR-18 33,800
TR-19 82,200
TR-14 25,400
TR-13 5,250
TR-01 22,600
MC-52 21,000
TR-02 3,510
TR-03 78,100
TR-20 204,200
MC-51 13,000
MC-50 4,500
MC-49 22,000
TR-04 6,630
TR-05 16,000
TR-06 75,600
TR-07 20,200
TR-12 149,000
81-903
TR-08 22,700
TR-09 6,240

LEGEND

KAMLOOPS GROUP

TERTIARY
- 8 — Latite, feldspar porphyry dykes, hornblende porphyry dykes
- 7 — Graphitic Argillite
- 6 — Arid Conglomerate

CRETACEOUS
- **PASAYTEN GROUP**
- 5 — Alluvial fan sediments
  - 5A — Conglomerate
  - 5AI — Conglomerate (variation of 5A)
  - 5B — Wacke

TRIASSIC
- **NICOLA GROUP VOLCANICS**
- 4 — Tuff, andesite, pillow basalt, carbonate

CACHE CREEK COMPLEX

CARBONIFEROUS-JURASSIC
- 3A — Serpentinite
- 3B — Albitite
- 3C — Magnesite

MARBLE CANYON FORMATION - CENTRAL BELT

PERMIAN-TRIASSIC
- 2 — Limestone

EASTERN BELT

PENNSYLVANIAN-TRIASSIC
- 1 — Schist, argillite, chert, tuff; limestone

- Plunging fold axis
- Bedding
- Foliation Shistosity
- Cleavage
- Shear zone
- Fault
- Outcrop
- Float
- Geological boundary
- B.C. Hydro's diamond drill holes 1976 & 1981
- TR-18 / 78,300 — Heavy mineral sample locations and sample number / Gold in ppb
- 469577 — Rock sample locations and sample number
- 475737 — Rock float sample locations and sample number

GEOLOGICAL BRANCH
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0 150 300 450 600 750 900 1200
METERS

TOR BELLAND

TECK EXPLORATION LTD.

TRAC PROJECT

NTS 92I/13E & 92I/14W

PROPERTY GEOLOGY and SAMPLE LOCATIONS

SCALE-1:15,000	DATE: JULY, 1990
DATA BY:	FIGURE 6
DRAWN BY: SPHINX D.S.	

TR-15
73,100
489575

TR-16
20,900

TR-17
28,300

TR-18
33,800

TR-19
132,000

TR-14
25,400

TR-13
5,250

78,100 TR-3

TR-20
204,000

TR-5
116,000
489568

TR-6
75,600

TR-12
149,000

T/L 7,500

8,000 E

8,500 E

9,000 E

9,500 E

10,000 E

10,500E

CLAIM LINE

TRAC 2

TRAC 3

TRAC 4

L19,500N
L19,400N
L19,300N
L19,200N
L19,100N
L19,000N
L18,900N
L18,800N
L18,700N
L18,600N
L18,500N
L18,400N
L18,300N
L18,200N
L18,100N
L18,000N
L17,900N
L17,800N
L17,700N
L17,600N
L17,500N
L17,400N
L17,300N
L17,200N
L17,100N
L17,000N
L16,900N
L16,800N
L16,700N
L16,600N

LEGEND

- 2 — 2B — Argillic alter Quartz Latite
- 2 — 2A — Quartz Latite
- 1B — Wacke
- 1A — Conglomerate
- Grid lines
- Outcrop
- Discontineous outcrop
- Estimated geological contact
- Float
- ▲ TR-12 — Heavy mineral sample location
- 149,000 ← Gold in ppb
- ■ 473749 — Rock Sample location
- □ 473737 — Float Sample location
- shear zone
- bedding
- fractures
- plunging fold axis

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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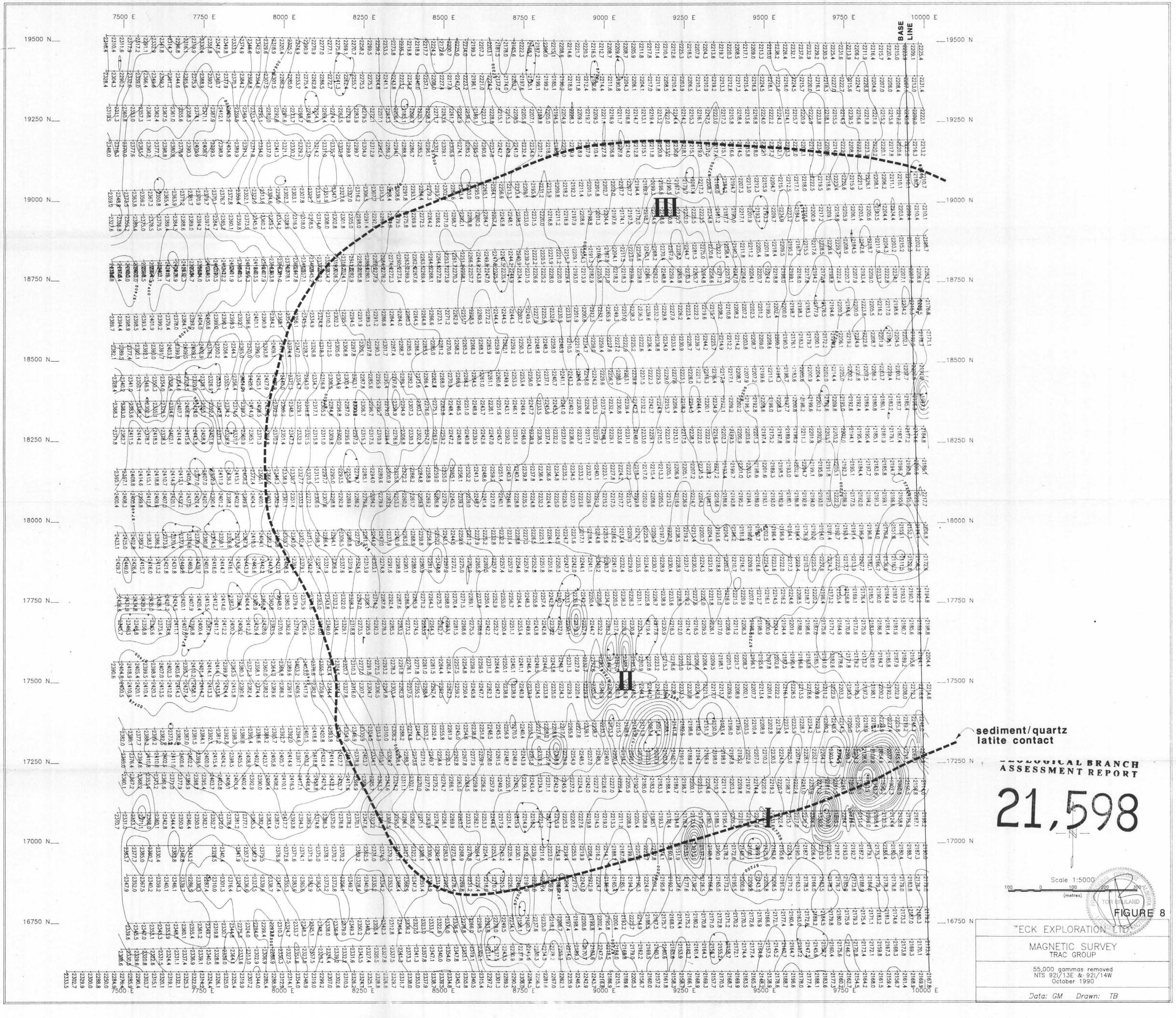
0 50 100 150 200 300 400 500
METERS

TECK EXPLORATION LTD.

TRAC
PROJECT
NTS-92I/13E,14W

TRAC GRID GEOLOGY and SAMPLE LOCATIONS

Scale-1:5,000	Date:November,1990
Data:T.Bruland	Revised:July 1991
Drawn by:P.H.	FIGURE 7



ASSESSMENT REPORT

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Scale 1:5000

100 0 100 200 300 (metres)

FIGURE 8

TECK EXPLORATION LTD.

MAGNETIC SURVEY
TRAC GROUP

55,000 gammas removed
NTS 92I/13E & 92I/14W
October 1990

Data: GM Drawn: TB

FIGURE 9A

TECK EXPLORATIONS LTD.

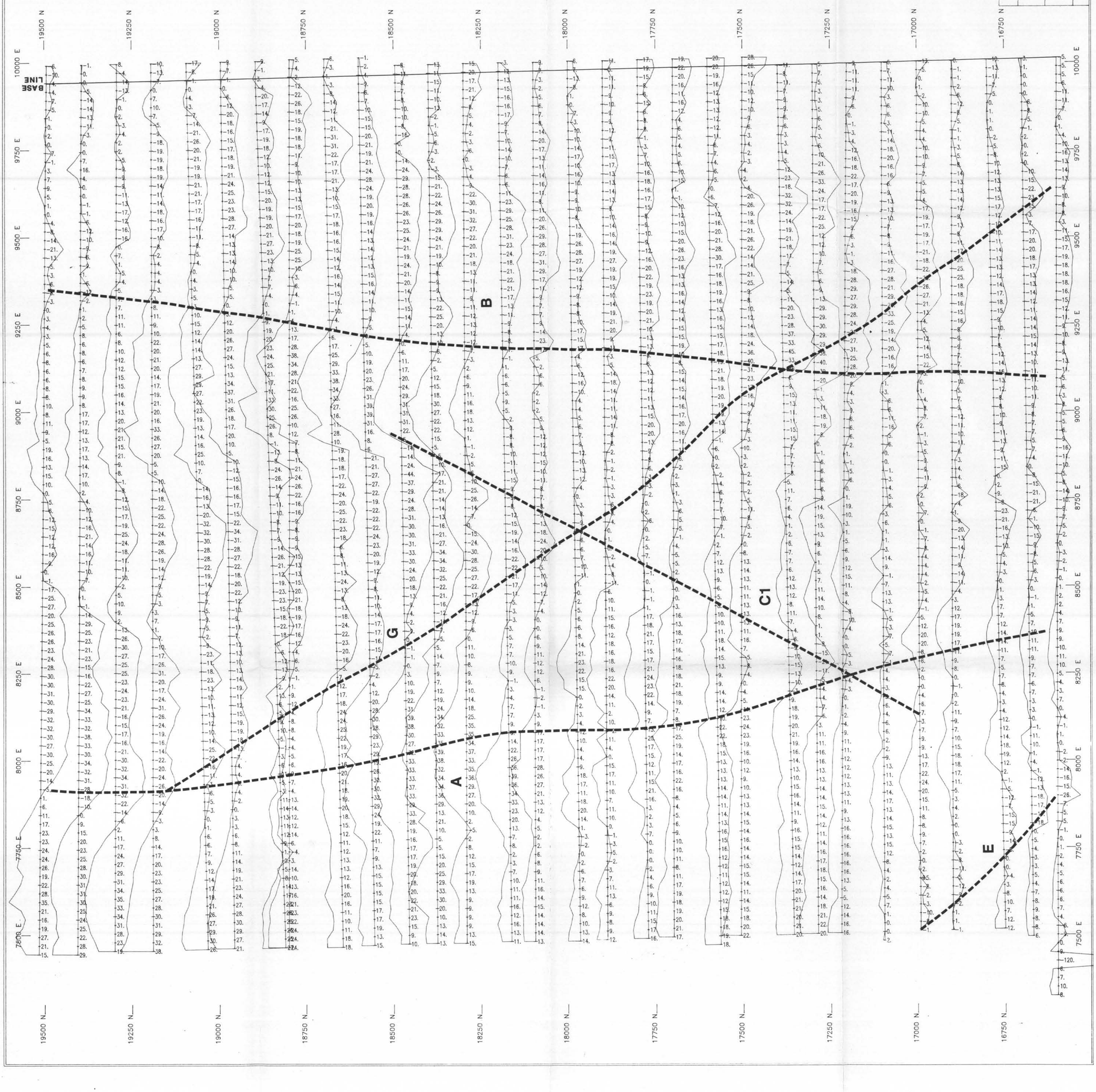
VLF-EM SURVEY
TRAC GROUP

In Phase, NLK Seattle, Wash. 24.8 kHz
NTS 92I/13E & 92I/14W
October 1990

Data: GM Drawn: TB

Scale 1:5000
100 0 100 200 (metres)

Direction to NLK Seattle transmitter station



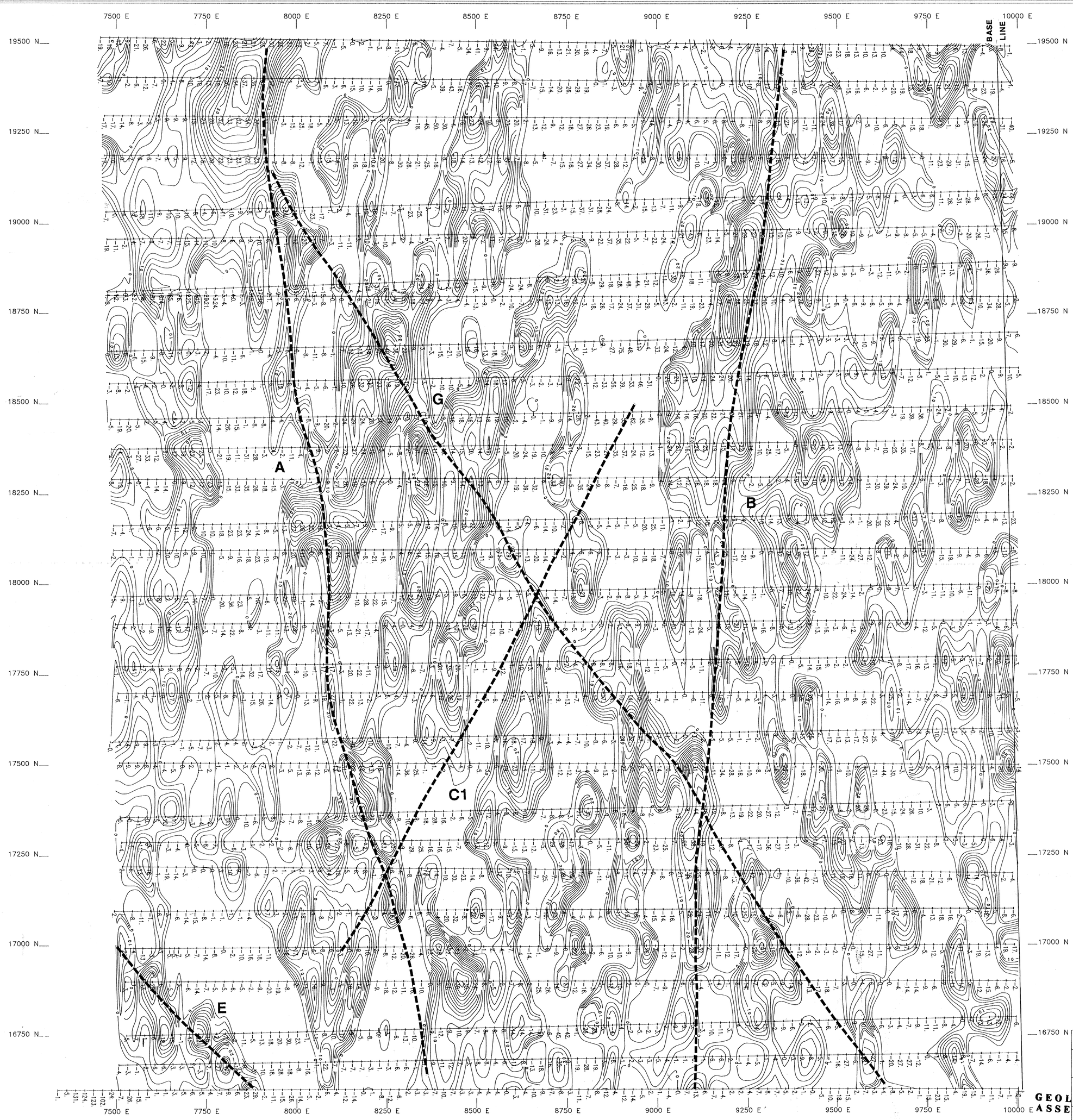


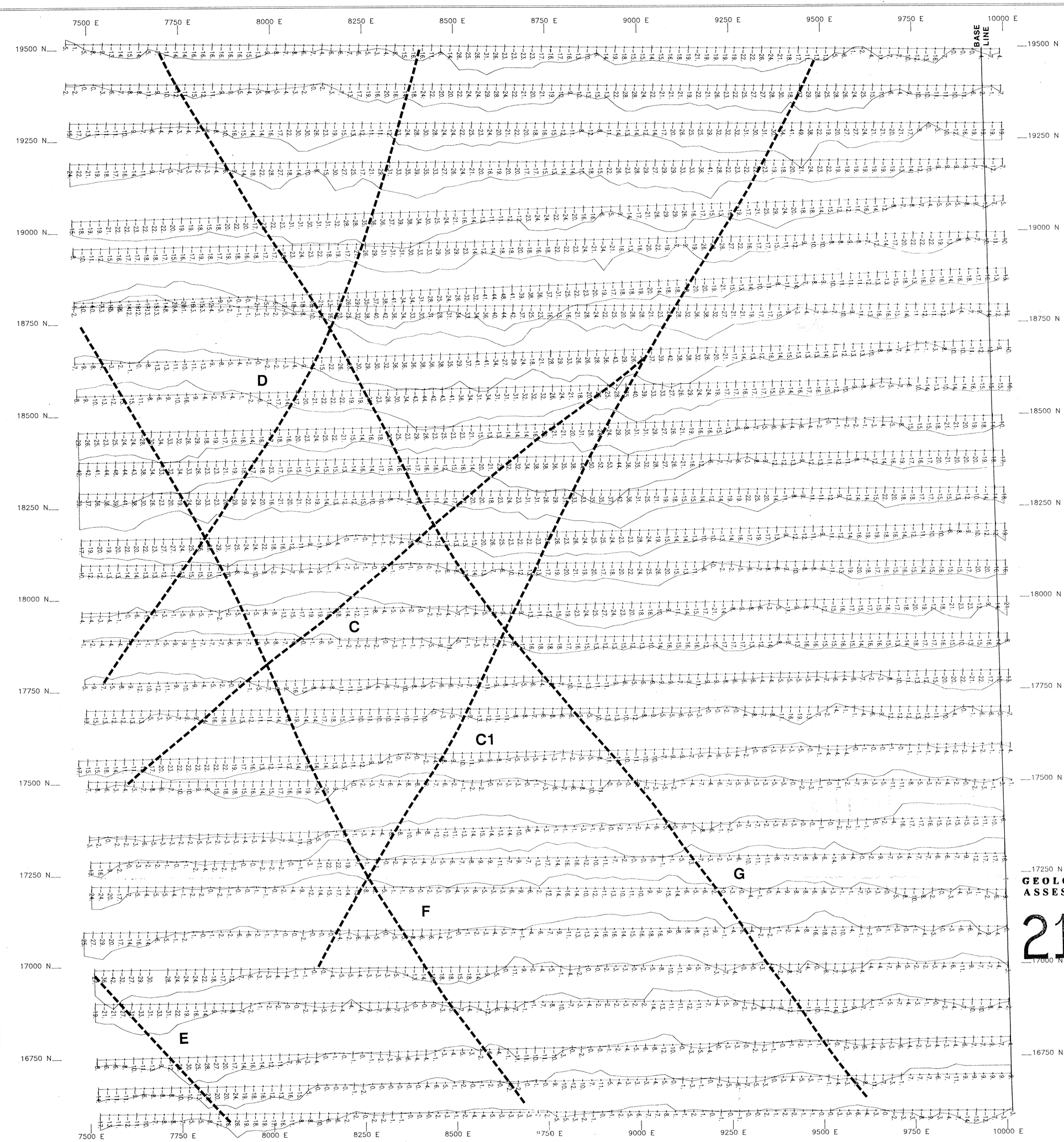
FIGURE 9B

TECK EXPLORATION LTD.

VLF–EM SURVEY
TRAC GROUP

Fraser Filter, NLK Seattle, Wash. 24.8 kHz
NTS 92I/13E & 92I/14W
October 1990

Data: GM Drawn: TB



GEOLOGICAL BRANCH
ASSESSMENT REPORT

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Direction to NSS Annapolis transmitter station

Scale 1:5000

100 0 100 200 300

(metres)

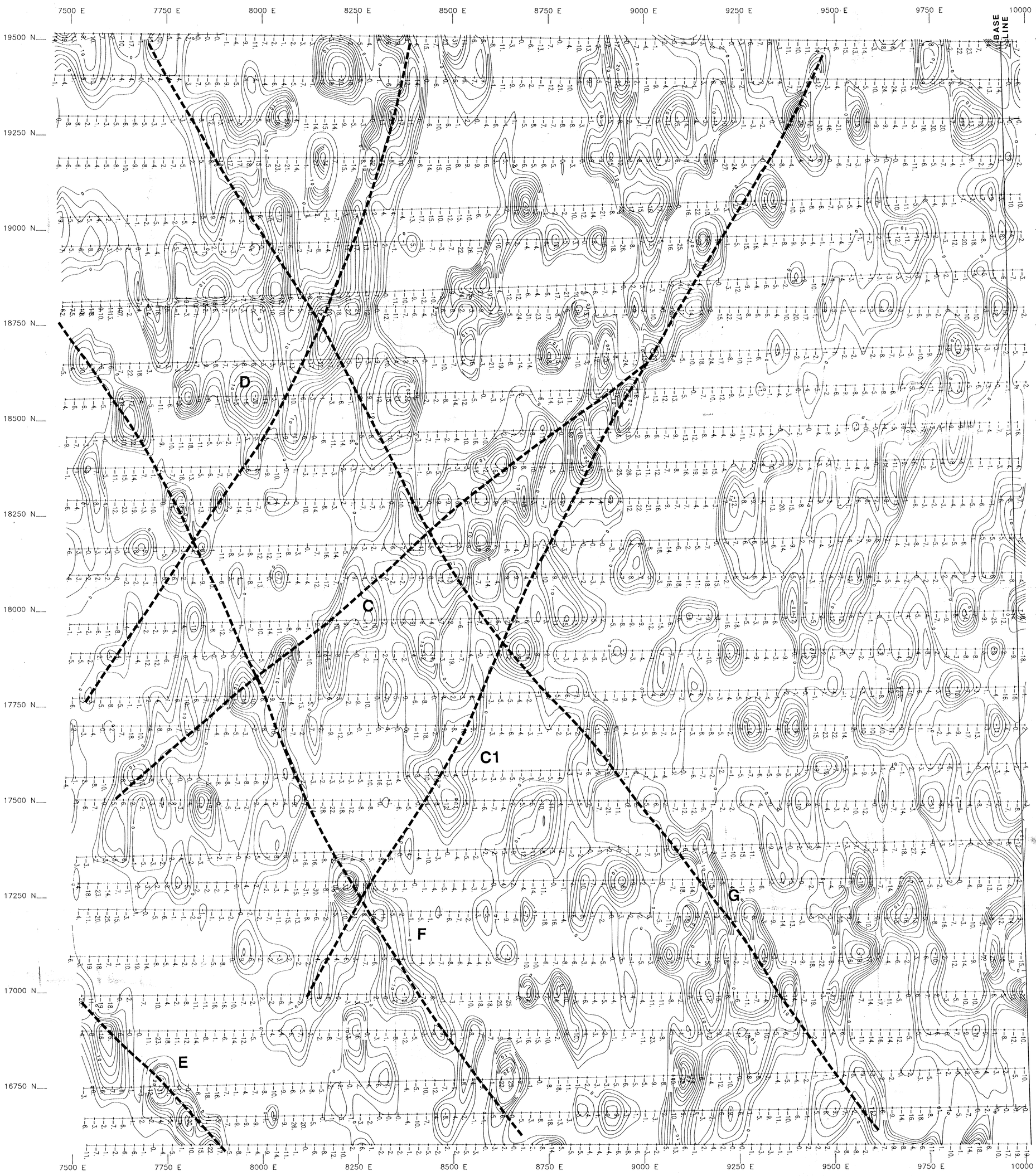
FIGURE 10A

TECK EXPLORATION LTD

VLF--EM SURVEY
TRAC GROUP

In Phase, NSS Annapolis, Md. 21.4 kHz
NTS 92I/13E & 92I/14W
October 1990

Data: GM Drawn: TB



GEOLOGICAL BRANCH
ASSESSMENT REPORT

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Direction to NSS Annapolis transmitter station

Scale 1:5000

100 0 100 200 300
(metres)

FIGURE 10B

TECK EXPLORATION LTD.

VLF-EM SURVEY
TRAC GROUP

Fraser Filter, NSS Annapolis, Md. 21.4 kHz
NTS 92I/13E & 92I/14W
October 1990

Data: GM *Drawn: TB*