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REPORT ON
AIRBORNE GEOPHYSICAL AND
AIRPHOTO TECTONIC SURVEYS
BRIMSTONE, HADES, AND LELA CLAIMS,
NEW WESTMINSTER M.D.
FOR TENQUILLE RESOURCES LTD.

REPORT ON

AIRBORNE GEOPHYSICAL

AND

AIRPHOTO TECTONIC SURVEYS

ON THE

BRIMSTONE, HADES, AND LELA CLAIMS

NEW WESTMINSTER MINING DIVISION

92 G/16 E & W Lat. 49° 47' 30" N

Long. 122° 15' W

FOR

TENQUILLE RESOURCES LIMITED

February 15, 1984

George W.G. Sivertz, B.Sc.
W.G. Timmins Exploration
& Development Ltd.

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INTRODUCTION

Tenquille Resources Ltd. owns three contiguous mineral claims, comprising 35 units, near the north end of Harrison Lake in the New Westminster Mining Division of B.C. The property covers rocks of sedimentary and volcanic origin belonging to the Fire Lake Group of Upper Jurassic to Cretaceous age, which is considered to be equivalent to the Gambier Group farther west (Roddick, 1965).

Exploration work, including limited geological mapping and silt, soil, and rock geochemical sampling, was carried out during 1980 and 1981 (Sookochoff, 1983). A combined low level VLF-EM and magnetometer helicopter airborne geophysical survey was conducted over the property in 1983. A fracture analysis study, based on air photo interpretation, has also been carried out.

The writer was retained by Tenquille Resources and Candell Consulting Corporation, the operator of the airborne survey, to interpret the geophysical and structural data. The writer has not examined the property, but he has had considerable recent experience in interpretation of geophysical data obtained using similar techniques and instrumentation over Gambier Group rocks in the Squamish, B.C., area, 60 kilometers

PROPERTY LOCATION MAP

SCALE

Km. 100 50 0 100 200 300 400 Km.

Miles 100 50 0 100 200 Miles

by: Brad.

to the west.

PROPERTY

The Tenquille Resources Ltd. property consists of the contiguous Brimstone, Hades, and Lela claims, located near the head of Harrison Lake in the New Westminster Mining Division. The claim data are as follows:

Claim	Record No.	Configuration	Expiry Date
Brimstone	1093 (10)	3S x 3E (9)	October 24, 1985
Hades	1094 (10)	2S x 3W (6)	October 24, 1985
Lela	1733 (1)	5N x 4W (20)	January 31, 1988

No title records have been examined by the writer.

LOCATION, ACCESS AND TOPOGRAPHY

The property straddles lower Fire Creek, on the west side of the Lillooet River near the head of Harrison Lake, approximately 80 kilometers by air northeast of Vancouver. The claims are shown on Mineral Titles Reference Maps 92G/16W and 92G/16E at 49° 47' 30" N. Lat. and 122° 15' W. Long. Access is by gravel roads from Pemberton, approximately 90 kilometers northwest of the property, or from Harrison Mills, about 75 kilometers to the southeast. Both road systems are rough at certain times of the year and require

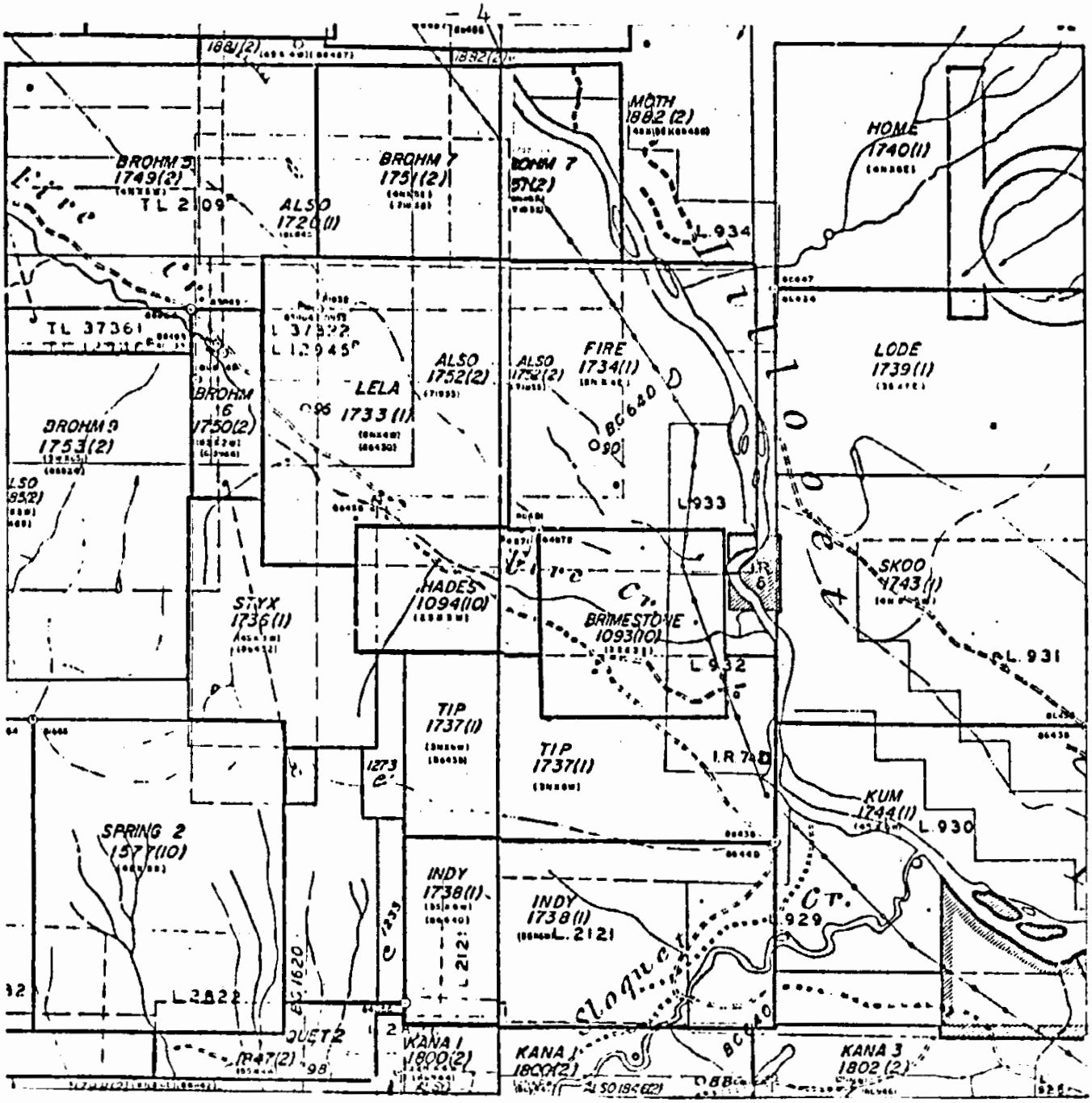


Figure 2

Claim Location Map: Brimstone, Hades, and Lela Claims,
New Westminster Mining Division,
British Columbia for
Tenquille Resources Limited

a four wheel drive vehicle. A logging road, which follows Fire Creek, traverses the property and various short road spurs provide access to the lower slopes of Fire Creek valley.

Topographic relief on the claims does not exceed 800 meters. The southwest slope of Fire Creek valley, on the Hades and Lela claims, is extremely steep, with a vertical change of 600 meters in a horizontal distance of 1 kilometer. The average slope on the northeast slope is somewhat less, but there are steep cliffs locally and canyons near the creek itself. The northeastern half of the Lela claim covers part of the nose of Fire Mountain; the topography is much less rugged in this area.

MINING HISTORY

Early exploration in the district was undoubtedly for placer gold, since the Cariboo Trail originally ran from the old settlement of Port Douglas, at the head of Harrison Lake, to Lillooet by way of Lillooet River and Anderson Lake. The gold seekers carried out placer exploration along Lillooet River, although no production is officially recorded. Placer leases are still held on lower Lillooet River.

Lode exploration in the late 1800's resulted in discoveries of gold near the north end of Fire Lake, 14 kilometers northwest of the Tenquille Resources property. The first claims, including the Money Spinner, were staked in 1896 "when the snow was still on the ground" indicating discovery at some earlier date. Exploration work including stripping, tunnelling, and shaft sinking was carried out in 1896, and less extensive work was performed during the next few years. No significant work has been carried out on the Money Spinner since 1900 (Roddick, 1965), although some assessment work was carried out on nearby claims during the mid 1930's.

Recent developments in the general area have focussed on the Nagy property, near Doctor's Point on the west side of Harrison Lake, which is currently being explored by Rhyolite Resources Inc. Gold-silver mineralization is hosted by a number of veins within hornfels near the margin of a quartz diorite pluton. Exploration work to date includes geological mapping, soil sampling, trenching, and diamond drilling (4,570 meters in 60 holes). Rhyolite Resources Inc. have announced drill-indicated and probable reserves of 450,000 tonnes grading 3.1 ppm gold and 31 ppm silver (Ray, 1983).

The old Providence mine, a few kilometers southeast of Doctor's Point, shipped three carloads of ore to a smelter

in 1896; this material returned $27 per ton in gold and silver. Individual assays of vein material apparently varied from $1.00 to $1,000.00 per ton (Ray, 1983).

REGIONAL GEOLOGY

The Harrison Lake - Lillooet River area is underlain by pendants or blocks of metamorphic, sedimentary, volcanic, and volcaniclastic rocks of late Paleozoic to Cretaceous age, enclosed by migmatite, granodiorite, and quartz diorite of the Coast Plutonic Complex. The dominant structural trend is northwest; the lower Lillooet River valley is interpreted to be a major fault zone (Roddick, 1965) which, together with the Harrison Lake fracture system to the southeast, separates rocks of different ages and metamorphic grade (Ray, 1983).

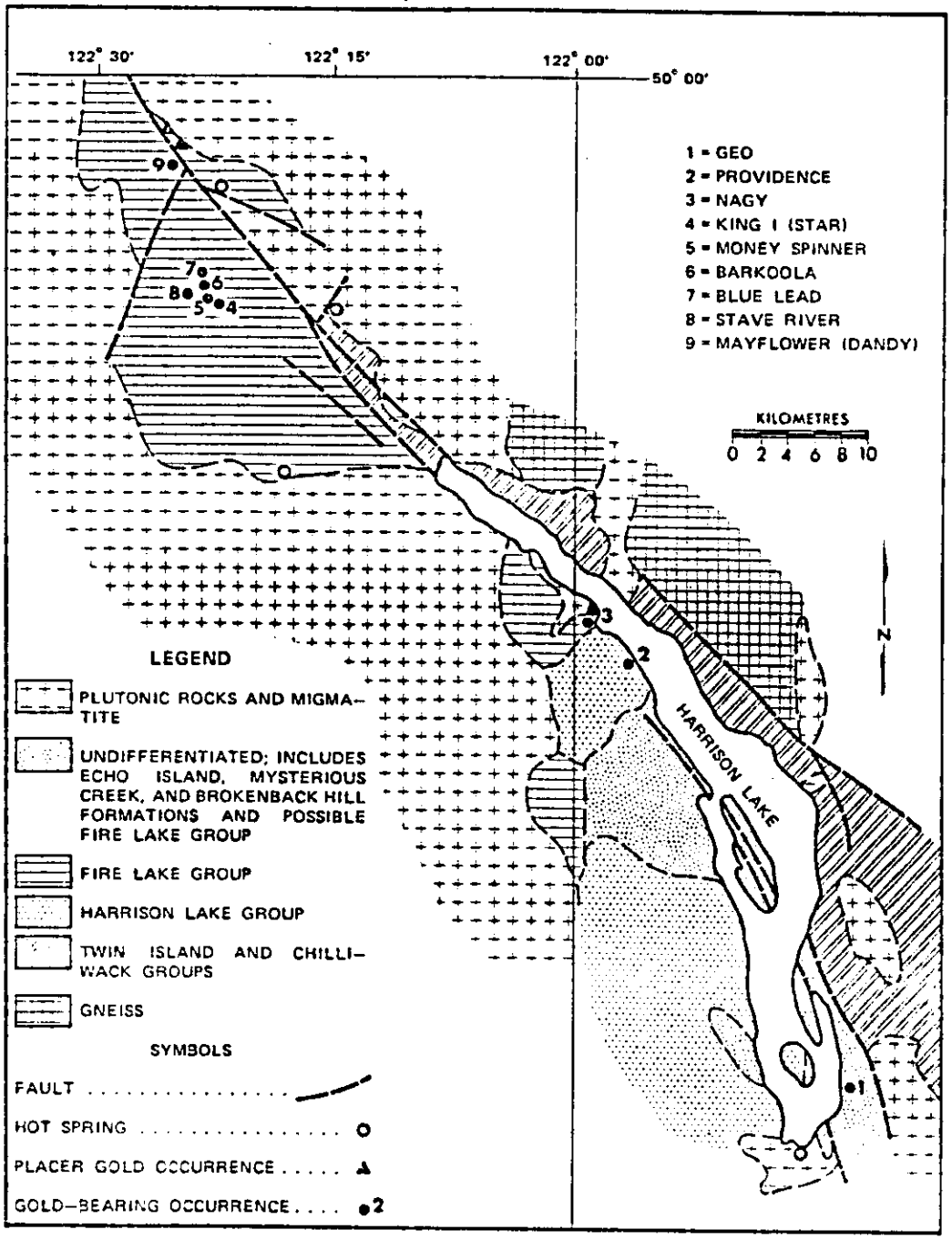
The supracrustal rocks to the northwest of Harrison Lake, with the exception of some small blocks of older metamorphics near the head of Harrison Lake, belong to the Fire Lake Group of Upper Jurassic and Cretaceous age. The largest pendant, termed the Fire Lake Pendant, lies mainly west of Lillooet River and has the shape of a triangular wedge with a length (north-south) of 40 kilometers and a maximum width of 15 kilometers near Harrison Lake. The pendant is fault

bounded on the northeast and along Snowcap Creek on the west; elsewhere, contacts with plutonic rocks are marked by zones of granulite and schist.

Within the Fire Lake Pendant, Fire Lake Group rocks have been subdivided into three main members or units (Roddick, 1965). The lowermost unit consists of at least 600 meters of granulite, andesite, conglomerate, fossiliferous limestone, and quartzite. This is overlain by an 1800 meter thick sequence of dark fine-grained sedimentary rocks, including slate, shale, argillite, and greywacke. The uppermost unit includes clastic feldspathic greenstone, chlorite schist, and minor conglomerate, and is about 2100 meters thick.

The internal structure of the Fire Lake Pendant is complex and not fully understood (Roddick, 1965). Folding and faulting on a local scale are common, and dip reversals on the southwest flank of Fire Mountain suggest possible high angle faulting in this area. The general trend of the rocks is northwest; dips are moderate to steep to the northeast and southwest.

Smaller pendants of Fire Lake Group and Harrison Lake Group rocks occur along the west side of Harrison Lake to the south of the Fire Lake Pendant. The Harrison Lake Group



Reproduced from Ray, 1983, in B.C.M.E.M. & P.R. Paper 1984-1

Figure 3

Regional Geology and Mineral Occurrences

Harrison Lake Area, B.C.

consists of dominantly volcanic and volcaniclastic rocks of intermediate to acid composition, which have been assigned a mid-Jurassic age (Roddick, 1965). Hornfels is commonly developed in these rocks near the borders of intrusive granitic rocks.

REGIONAL ECONOMIC GEOLOGY

Presently known mineralization of economic significance in the Harrison Lake - Lillooet River area appears to be mainly confined to the pendants of sedimentary, volcanic, and volcaniclastic rocks. The gold-silver occurrences consist of mesothermal and epithermal veins with quartz and quartz-carbonate fillings. Sulfides are present in the veins in varying quantities. The vein occurrences appear to be related to the northwest trending fracture system which lies along the Harrison Lake - Lillooet River Valley (Ray, 1983).

Gold occurrences within the Fire Lake Pendant include the Fire Lake gold camp (Money Spinner, Barkoola, Blue Lead, and King claims) and the Mayflower (Dandy) group a few kilometers to the north-northwest. On the Money Spinner property north of Fire Lake, gold values occur in northerly trending, west dipping gash veins filled with quartz and

sparse pyrite, chalcopyrite, and bornite. The quartz veins are locally over a meter in width. Much of the vein matter appears barren of sulfides, and it seems reasonable to expect that gold values are erratically distributed. The Mayflower group covers a belt or zone of pyritized breccia 30 to 60 meters in width, containing quartz-carbonate veins mineralized with sphalerite and galena. Host rocks are brecciated sediments of the Fire Lake Group (Ray, 1983). Gold values up to 8.3 ppm are reported from the property (Roddick, 1965).

The Nagy property, on Doctor's Point, 20 kilometers southeast of the Tenquille Resources property, covers a number of quartz-pyrite-arsenopyrite veins carrying gold values. The veins are hosted by hornfels and volcanic breccia belonging to the Harrison Lake Group, and also by quartz diorite. The veins occur for the most part within 100 meters of a quartz diorite-hornfels contact; they appear to lie within gently inclined, pre-existing thrust planes that cut both hornfels and quartz diorite (Ray, 1983). A total of 13 veins have been outlined on surface; these vary in width from a few centimeters to over two meters. Drilling has indicated that some veins exceed 200 meters in strike length, although surface exposures do not exceed 30 meters in length. Vein filling consists of clear and white vuggy

quartz with pyrite, arsenopyrite, and rare chalcopyrite, galena, and molybdenite. Oxidized surface exposures are marked by boxwork textures and coatings of scorodite, an oxidation product of arsenopyrite (Ray, 1983). Wall rocks in the immediate vicinity of veins are 'bleached'; these altered zones contain fine aggregates of quartz, sericite, and kaolin, with some pyrite and traces of gold. Farther away from the veins, the wall rocks are friable and highly fractured, but original textures can still be determined. The alteration envelopes encompassing the veins are up to 8 meters in width (Ray, 1983).

The Providence property, a few kilometers southeast of Doctor's Point, is an old ex-producer of gold. Brecciated quartz-carbonate veins, containing pyrite, galena, sphalerite, and minor chalcopyrite, occupy fractures subparallel to the nearby, north-northeast trending Davidson Creek fault. Recent sampling by geologists of the Ministry of Energy, Mines, and Petroleum Resources returned low gold values from sulfide bearing vein material. Early reports of high gold values in shipped material apparently refer to siliceous vein matter rather than selected high sulfide ore (Ray, 1983). Host rocks are largely andesites of the Harrison Lake Group.

PROPERTY GEOLOGY AND MINERALIZATION

The geology of the Brimstone, Hades, and Lela claims is described by L. Sookochoff, P.Eng., in a report to Tenquille Resources dated June 16, 1983. Since the writer has not visited the claims, Mr. Sookochoff's geological description is reproduced verbatim:

"The Lela claim is underlain by a sequence of the Fire Lake Group of volcanic and volcanoclastics and consisting of grey-green andesitic flows interbedded with tuffaceous and fragmental units with the occasional bed of shale or argillite.

The sequence strikes at 300 and dips to the northeast at steep angles. Fractures are at 05/70 E and 060/30 SE with the occasional barren white quartz vein along fractures at 300/60 SW.

On the Hades and Brimstone claims, most rock exposures along the Fire Creek are of weakly bedded fine-grained green lapilli tuff with chlorite and minor sericite alteration. A 1000 x 350 meter zone along Fire Creek Canyon consists of pyritic sericitic schists and strongly silicic material. Bluish quartz eyes occur in this pseudo-quartzite and (also) numerous white quartz veins. Black argillaceous sediments occur several hundred meters west of the alteration/

shear zone.

Quartz veins are numerous within the claims in all rock types with tourmaline occurring in quartz veins on the north side of the creek.

The intensely altered zone in Fire Creek Canyon consists of a well bedded tuffaceous unit which contains clay minerals, iron oxides, and a chalcedonic variety of silica. The core zone measures 350 by 1,000 meters with an oxidized envelope.

Mineralization is indicated from geochemical sampling results where the silicified sericitic pyrite schist (1000 x 350 meters) returned rock samples which are strongly anomalous for gold values whereas few of the soils are moderately to strongly anomalous. Values range up to 1950 ppb Au in rocks from this area."

"On the south side of the creek and within the gold anomalous area, correlation of anomalous silver is poor whereas on the north side, correlation with gold values is good.

Zinc appears to be deficient in the rock samples within the zone."

AIRBORNE GEOPHYSICAL SURVEY PARAMETERS

A combined, low level, helicopter borne, VLF-EM and magnetometer survey was conducted over the Lela, Brimstone, and Hades claims in late August, 1983, by Candell Consulting Corporation. The survey was flown in a northwest-southeast direction (124° - 304°). Line spacing was 200 meters and mean 'bird' terrain clearance was approximately 75 meters. The equipment used included a VLF-EM unit and a proton free precession magnetometer, both manufactured by Sabre Electronic Instruments of Burnaby, B.C. The VLF transmitters used were NLK Arlington (Seattle) at 24.8 KHz., and NAA Annapolis (Maryland) at 21.4 KHz. The VLF-EM system measured total field strength, while the magnetometer measured the total count of the Earth's magnetic field intensity to within one gamma. The survey crew was as follows:

(1) Project Supervisor: T. Rolston
(2) Geophysicist/Navigator: F. Syberg
(3) Geophysical Operator: T. Walker

All data were recorded on analog strip chart recorders and were later retrieved, digitized, and entered into a computer for enhancement and plotting. Details of this treatment are covered in Appendix 2 at the rear of this report.

INTERPRETATION THEORY: MAGNETIC DATA

The most significant magnetic property of rock is susceptibility, 'k'. The following table illustrates the wide susceptibility range of some common minerals and rocks:

Material	Susceptibility, k x 10^{-6} cgs
magnetite	3000,000 to 1,000,000
pyrrhotite	125,000
ilmenite	135,000
basalt-gabbro	100 to 10,000
andesite-diorite	100 to 1,000
rhyolite	10 to 100
granite	10 to 1,000
shale, argillite	10 to 100
sandstone	10 to 20
limestone, chert	1

The reason for the large susceptibility range of unaltered rocks is their varying magnetite content; thus, for most large scale magnetic surveys, the only mineral constituent of importance is magnetite. A simple relation expressing the maximum amplitude of an anomaly due to a magnetite bearing body as a function of the magnetic susceptibility of the body is as follows:

$$T = \frac{kF}{r^3}$$

(where T is the amplitude of the anomaly, F is the magnetic intensity of the Earth's field, and 'r' is the depth of the body or its distance from the magnetometer.)

From this relation it can be seen that in the case of a gabbro plug containing 20% magnetite, T will be 20 times greater than for a granite plug containing only 1% magnetite.

The magnetic patterns obtained from a regional airborne survey are directly related to the distribution of magnetite in the surveyed area. However, the geology cannot be deduced from isomagnetic maps simply by relating magnetic highs to areas underlain by gabbro or ultramafics, or magnetic lows to limestone or chert terrain. The problem with such a simplistic approach is that magnetite is not uniformly distributed in any type of rock. Moreover, most geological terrains have rocks of high susceptibility overlying and underlying rocks of lower susceptibility. Cultural features such as power and pipe lines, railways, and waste dumps also complicate matters. Generally, it is fair to say that so many variables are involved that it is often impossible to make a strictly accurate analysis of the structure and lithology of an area using magnetic data alone. The geologist must combine information from other sources such as electromagnetic surveys, airphoto analysis,

and geological mapping with the magnetic data in order to obtain an accurate geological analysis.

INTERPRETATION THEORY: ELECTROMAGNETIC DATA

The VLF (Very Low Frequency) method uses powerful radio transmitters set up in various parts of the world for military communications. These transmitters can induce electric currents in conductive bodies thousands of kilometers away from the radio source. The induced currents set up secondary magnetic fields which can be detected at surface through deviations in the normal VLF field. The VLF method is inexpensive and can be a useful initial tool for structural mapping and prospecting.

Successful use of the VLF requires that the strike of a conductive feature be in the direction of the transmitting station so that the lines of magnetic field from the transmitter cut the conductor. For example, in the Harrison Lake area, the Seattle transmitter (NLK Arlington) lies on a bearing of 210°, and the Annapolis transmitter lies on a bearing of 095°. Thus, a conductor striking southeast to west-southwest will respond to Seattle, whereas a northeast to southeast conductor will respond to Annapolis. Southeast striking conductors will respond to both stations, giving

coincident, phase shifted field strength anomalies.

The theory of VLF-EM interpretation is quite simple. Conductors are located at field strength maxima. It is impossible to determine the quality of a conductor with any reliability. The relatively high VLF frequencies can result in the detection of a multitude of single-line anomalies from unwanted sources such as swamps, and linear, multi line anomalies from creeks, pipelines, and other cultural features. However, the high frequency also results in the detection of poor-quality conductors such as shear zones, faults, and contacts, making the VLF-EM a powerful mapping tool. As with magnetic data, VLF-EM interpretation is immeasurably aided by access to magnetic, structural, and lithologic information.

INTERPRETATION THEORY: TECTONIC SURVEY

Mr. D.A. Chapman, of J.C. Explorations Ltd., has performed a tectonic survey of the Tenquille Resources property. A summary of his work is reproduced verbatim, as follows. A full description of the method and theory is included with this report as Appendix 1.

"I have completed a Tectonic Survey of the Harrison Lake

Property for Tenquille Resources Ltd. From the survey data of the estimated empiric values per unit area, two stress coefficient isograms have been calculated and drawn and are shown in Drawing 683:100 (at the rear of this report).

The information has been compiled from B.C. Aerial Photographs B.C. 7470, No. 63, and B.C. 7470, No. 78. Figures 1 to 4 are photocopies of the resultant work sheets and are self explanatory with respect to their titles. They represent the standard form of Fracture Density Studies.

The stress coefficients are in fact a photogeophysical study representing relative values of the underlying rock characteristics.

(1) The first derivative is a coefficient of the net stress acting across vertical planes in terms of stress relieved by tension shear. These anomalous zones are the most probable to contain deep seated fault ruptures. If mineralization is present, evidence will be found along these zones and they should be prospected.

(2) The second derivative is a coefficient of the relative bulk modulus; this is a term used for volumetric change in the rock resulting from the deformative stress. These

zones relate to the principal stress directions for the crustal block examined and represent the best trap condition for mineralizers. Where geophysical, geochemical, or geological information is correlative to the optimum values, a drill test into the zone is warranted."

INTERPRETATION: AIRBORNE GEOPHYSICS

The VLF-EM and magnetic data are plotted on a series of plan maps at a scale of 1:10,000 (see map pocket at rear of this report).

VLF-EM anomalies occur in the Lela claim, along a trend from the southeast to the northeast section of the claim. Coincident, low-intensity Seattle/Annapolis anomalies lie in the southeast corner, parallel to the broad 'nose' of Fire Mountain. More intense anomalies lie farther to the northwest; in this case, Seattle and Annapolis anomalies are symmetrical about adjacent flight lines. These anomalies have similar geometry but different intensities; it is not certain whether they represent the same conductor, or two or more sub-parallel conductive zones. The elongated, northwest trending symmetry of these anomalies does not indicate a single planar feature but suggests a broad conductive zone trending sub-parallel to the flight direction.

The Seattle anomaly, in the center of the Lela claim, is centered upon a distinct, north-northwest trending topographic depression which crosses the nose of Fire Mountain at a 30° angle. This may represent a fault zone, the broad EM response may reflect parallel conductive faults or fractures.

The Annapolis anomaly, one line north of the Seattle anomaly, is centered upon a local, north-northwest trending ridge which lies just east of the previously described topographic depression. The two local anomaly peaks of 65 percent lie on either side of the ridge. The symmetry of these anomaly peaks suggests that the anomaly may be partly due to the topographic effect of the ridge. However, the anomaly might also be due to a locally conductive zone within the underlying rock formation, which trends approximately parallel to the trend of the anomaly. A distinct 60 percent Annapolis anomaly near the northwest claim corner is in an area of relatively flat ground, just south of the base of another pronounced southeast trending ridge. It is therefore not directly related to any interfering topographic feature and appears to reflect an east trending, planar conductor. Another linear, southeast trending, 65 to 70 percent anomaly lies in the northeastern section of the claim. This anomaly is parallel to the strike of the underlying bedrock and may be a response to a conductive rock unit such as graphitic shale

or argillite.

The magnetic data indicate that most of the claim area south of Fire Creek is 'quiet'. The overall magnetic 'slope' rises to the northeast to an average high of 2950 gammas. Two relatively pronounced magnetic highs of 3000 and 3100 gammas, respectively, lie on the north wall of Fire Creek valley, on the Brimstone claim. The more intense of these, in the northwestern section of the claim, is flanked to the south by irregular, 2600 gamma lows. A smaller magnetic high of 2950 gammas lies on the east-central Lela claim and coincides with part of the elongated Annapolis EM anomaly previously described. Two weaker magnetic highs of 2850 gammas lie to the northwest and also coincide with Annapolis anomalies. A magnetic low of 2600 gammas lies south of the 2950 gamma high; this low area coincides with part of the elongated Seattle EM anomaly.

The most significant magnetic feature, in terms of economic geology, is the trend defined by the magnetic highs and lows on the Brimstone and Hades claims. This trend follows Fire Creek to a point in the middle of the Hades claim, where it looses definition. The trend passes through the area of known alteration and mineralization on the western Brimstone and eastern Hades claims, where it is reflected

by irregular magnetic lows on the south flank of a magnetic high. This linear trend is interpreted to be a major fault. The local irregularity of the magnetic features may reflect structural disturbance due to cross faulting or local folding.

The high-flanked-by-low pattern in the east-central Lela claim is another interesting feature, since it coincides with sections of the Seattle-Annapolis EM anomaly in this area. The magnetic pattern suggests a dipole with a south dip and is somewhat similar to the pattern on the eastern Hades claim, where a mineralized, altered zone is known. This area on the Lela claim deserves further investigation.

INTERPRETATION: TECTONIC SURVEY

The maps generated by the tectonic survey (Drawing No. 683:100, in pocket at rear of this report) provide guidelines for exploration of the Tenquille Resources property. One map provides the location of probable tension shear anomalies, which represent vertical, deep seated zones of crustal rupture. These zones are the most probable conduits for mineralizing hydrothermal solutions. A second map locates zones of maximum deformation, as indicated by analysis of the variable stress component. These zones are considered to be the best structural traps for the mineralized solutions ascending the vertical ruptures shown on the tension shear anomaly map (Chapman, 1984; see appendix).

Major trends indicated on the tension shear anomaly map include a northwest trending zone subparallel to Fire Creek, a north and northwest trending zone orthogonal to Fire Creek on the eastern section of the Brimstone claim, a north-northeast trending zone crossing the eastern section of the Lela claim, and a curved, east-west zone in the central section of the Lela claim.

Structural traps, indicated by the Second Derivative Surface Trend Analysis map, are common on the Hades and Lela claims

and virtually absent on the Brimstone claim. Traps on the Hades claim have linear east-west trends in the southern and northern sections and north to north-northwest trends in the central part of the claim, crossing Fire Creek at a high angle. The pattern suggests highly fractured zones parallel to and crosscutting the postulated Fire Creek fault zone indicated by the magnetic and geological data.

Structural traps on the Lela claim follow a curved northwest trend in the center of the claim, which intersects a narrow, east-west zone in the southeastern corner. Somewhat weaker north and northeast trending features lies in the northern third of the claim. The central section of the major northwest trending zone, together with a smaller, isolated zone to the north, coincides approximately with the magnetic and electromagnetic anomalies previously described in this area. The presence of an apparently highly fractured zone coinciding with anomalous geophysical patterns here warrants further investigation (Chapman, 1984; see appendix 1). The significance of other indicated structural traps on the Lela and Hades claims remains unknown; geological reconnaissance is recommended in these areas.

CONCLUSIONS AND RECOMMENDATIONS

Ground follow-up work, including VLF-EM and magnetometer surveys in conjunction with geological mapping, is recommended in the following areas:

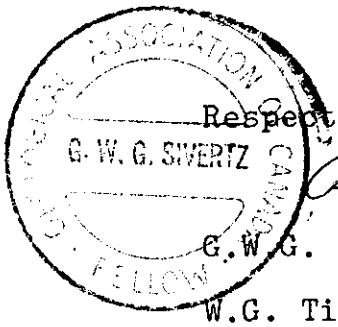
(1) Hades-Brimstone claims: East-central Hades claim and western Brimstone claim have an anomalous magnetic pattern in an area of known alteration and mineralization within volcanic and volcaniclastic rocks which may be traceable to the east and west.

(2) Lela claim: The central section of the Lela claim is magnetically anomalous and coincides with an apparently coincident Seattle-Annapolis VLF-EM anomaly and pronounced structural disturbance. The area lies on the 'nose' of a ridge running southeast from the summit of Fire Mountain and should offer good rock exposure. The geology of this area is presently unknown.

(3) Lower priority targets: A coincident geophysical anomaly, comprising an isolated 2850 gamma magnetic high and a 60 percent Annapolis EM anomaly, lies in the northwest corner of the Lela claim, in an area of subdued topography. Geology of this area is unknown.

A coincident Seattle-Annapolis EM anomaly lies on Fire Mountain ridge in the southeast corner of the Lela claim.

This is a diffuse, low intensity feature but could be investigated during other work on the same ridge.



Respectfully submitted,

G.W.G. Sivertz, B.Sc., F.G.A.C.
W.G. Timmins Exploration
& Development Ltd.

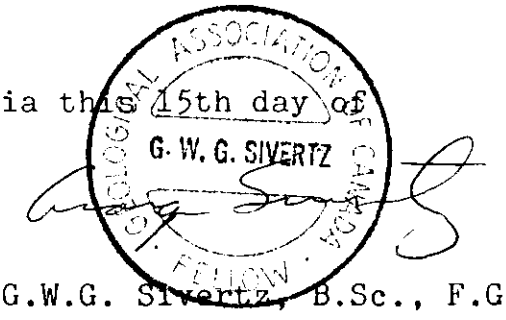
February 15, 1984

CERTIFICATE

I, GEORGE WILLIAM GUSTAV SIVERTZ, residing at 6100 Twintree Place, Richmond, British Columbia do hereby certify that:

1. I am a geologist having been practising my profession for seven years.
2. I am a graduate of the University of British Columbia, having received a B.Sc., (Honours) degree in Geology in 1976.
3. I am a member of the C.I.M.M. and a fellow of the Geological Association of Canada.
4. I have no interest direct or indirect in the property or securities of Tenquille Resources Ltd. nor do I expect to receive any such interest.
5. This report is based on a study of private, government and published reports and maps, and on data furnished by D. Chapman and T. Rolston.

Dated at Vancouver, British Columbia this 15th day of February, 1984:



G.W.G. Sivertz, B.Sc., F.G.A.C.
W.G. Timmins Exploration
& Development Ltd.

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COST BREAKDOWN ON LELA, BRIMSTONE, HADES MINERAL CLAIMS

1) Combined Airborne Geophysical Magnetomer and dual frequency Electromagnetic Survey. 134 line km @ $65.00	$ 8,710
2) Geological Air Photo Fracture Density Study. 134 line km @ $25.00	3,350
3) Geophysical Computer Enhancement and Analysis. 30 hr. @ $50.00	1,500
4) Engineering fees and report	2,000
	$ 15,560

per

Tom Rolston, Candell Consulting Corp. for Tenquille Resources Ltd.

APPENDIX 1

METHOD AND THEORY OF TECTONIC SURVEY

Fracture Density or Tectonic surveys are derived from aerial photographs. A stereo pair of vertical airphotos is used to annotate to clear transparency overlays the most visible lineal features, which to a great extent determine the physical appearance of the surface of earth's crustal block.

The completed annotated overlay consists of a multitude of linear traces in differing directions and in conjugate sets. The number of trace intercepts around the perimeter of a unit area circle are counted as an estimate of the density observed. This empiric value will vary in proportion to the degree of surface tension exerted as planar strain across the underlying vertical interfaces of the fault fracture systems observed in each unit area.

By placing the overlay over a template of interlocking coalescing circular sample areas of unit area the sampling technique becomes a mechanical filter which will allow the determination of the sample variance from the immediate underlying background variance. The difference is assumed to be independent of relief and modulii when measured against the average of the sum of the background differences.

Lineal traces are apparent in the photograph to the extent that surface tensile forces act across the interfacing vertical planes of the fault fracture joint system. The phenomena observed are directly related to a variable rock pressure gradient (Young's Modulus effect) induced by the deformation stress load determined by the principal stress directions. The visual intensity of the isostatic traces produced are the net effect of the lateral variance of the underlying rock pressure gradient.

Isostasy has been applied in particular to isostatic equilibrium of the major topographic features of the earth (C.E. Dutton, 1889). This theory was advanced to explain major problems in structural geology and has since been amply justified by geophysical and geodetic surveys.

Isostatic equilibrium is a term derived from the Greek, meaning standing or balance, as well as from the branch of mechanics which deals with bodies in static equilibrium. The vector sums must be zero and the algebraic sum of the torque about each of any three mutually perpendicular axes must equal zero.

The basis for a theory of tectonic analysis of the density empiric is isostasy and rock mechanics, which is the study

of the effect of forces on rocks and the dynamic aspects of changes in volume and shape.

The principal axioms for tectonic analysis are:

1. The surface plane viewed is a semi-infinite elastic solid that consists of an infinite series of vertical parallel and adjacent cylindrical rock columns.

2. The surface plane viewed is a physical boundary for the mechanical forces within.

3. A condition of equilibrium exists within for the vertical and horizontal forces at the boundary. Using substitution and analogy some of the mechanical formula of rock mechanics can be applied.

The initial isogradient is the strain or deformation. In the semi-infinite elastic solid (the crustal block) the deformation is a change in pressure only. Pressure at the boundary will equal the normal stress at that point. Stress is the internal force per unit area.

A second isogram of the surface tension curve is similar to the enveloping curve of Mohr. The resultant coefficient of the difference of the change in tangential stress indicates

the most probable zones where tension shear stress is acting along vertical planes, i.e. the most probable zone for deep seated rupture and thus the optimum conduit zones for ascending mineralizers from below as well as intrusive fillings such as bosses, stocks or dykes.

A final isogram for prospecting is a second derivative of the variable stress component to indicate the zones where the deformation is maximum. The resistance to the shearing forces is minimal according to the logic of Mohr. These zones of lateral extent have the maximum fracture voids available. This lateral variance would provide the best possible trap conditions for transcending mineralizers in fracture flooding and by lateral impoundment inferred by isogradient.

The areas of structural significance indicated by the isograms are the most probable zones for surface prospecting by geophysical, geological and geochemical methods.

Most orebodies are hosted by structures induced in the rock as a result of deformation and fracture flooding by mineralizers of strain or stress envelopes. Shear tension structures are the result of stress differentials. The survey parameters are intended to resolve and indicate each

of these stress conditions as they are seen to affect the underlying fault fractures of the crustal block relative to the unloading strain.

The lateral varying tectonic effects on the underlying rock determine the ground most suitable for ore, if present. Geologic events and the economics of minerals must be established in the field by prospecting.

OBSERVATIONS ON LOW LEVEL AIRBORNE AEROMAG & VLF-EM CORRELATION WITH AIRPHOTO TECTOFACIES STUDY

The 20 gamma interval (magnetic interface) isograd map and the tectofacies map have 70 to 80% correlation i.e. magnetic linears and stress lineaments where configuration of each isogradient affirms a change in the lateral susceptibility magnetically as well as the lateral effects on rocks.

The two separate and distinct surveys are complimentary since the observation of the disturbed geomagnetic field is related to ensemble averages of the underlying rock column as are the rock modulii variances of the tectofacies units. Both phenomena are affected dynamically by the geothermal pressure/stress gradient and fault dynamics in the crustal block, therefore the mutually significant similarities of the two isogradients can be expected.

Where faults occur then a change of the vertical component of the total magnetic field should coincide with a lateral gradient of the deformation stress or tectonic facies of the rock.

In general high deformation should occur on the nose of magnetic highs as well as the flanks where uniform geology applies. The truly anomalous condition is when magnetic

highs occur with high density fracturing indicated by the deformation; this would indicate a thermal-dynamic condition has occurred.

APPENDIX 2

CERTIFICATION

1. I Douglas A. Chapman, certify that I have practised the art of photogeological interpretation for mineral exploration for more than 15 years.
2. I received a Technical Diploma in 1949 from the Vancouver Technical School.
3. From 1950 to 1955, I was engaged in mapping and surveys using both ground and airborne methods; first, with the Canadian Government and, secondly, with Photographic Surveys (Western) Ltd. in Vancouver.
4. From 1955 to 1959 I was engaged by Blanchet and Associates Ltd. in Calgary, Alberta where I practised interpretation and compilation of fracture patterns for structural studies; studies related to oil exploration.
5. From 1961 to 1964 I was engaged by Chapman, Wood and Griswold Ltd. and assisted Mr. Blanchet in the formation of their air photo department as well as carrying out studies relating to tectonics and their association to mineral deposits.
6. In 1965 I formed D.A. Chapman & Associates Ltd. to provide air photo interpretation for mining exploration and, primarily, exploration reports to assist consulting engineers in planning field programmes.
7. In 1978 I formed J.C. Explorations to provide similar services as D.A. Chapman & Associates Ltd.

Signed this 15th day of February, A.D. 1984

D.A. Chapman

J.C. EXPLORATIONS INC.

APPENDIX 3

AIRBORNE GEOPHYSICAL SURVEY

DATA RECORDING AND PLOTTING

DATA RECORDING AND RETRIEVAL

The relative total magnetic field and the percent relative field strength of VLF-EM secondary signals due to Seattle and Annapolis transmitter stations have been observed. These data were instrumentally recorded in audio frequency mode on magnetic tapes. In addition, on a different channel of the same tapes, audio records by the navigator were recorded.

Upon the completion of the field operations the recorded data were retrieved through play-back of the magnetic tapes. The geophysical data were transferred to analogue strip charts and fiducial markers added according to the navigator voice channel.

The flight path recovery was accomplished by correlating the navigator comments with pre-planned flight plan lay-outs and topographic maps enlarged to the appropriate scale.

The fiducial points were transferred to topographic maps. A relative grid was superimposed on the flightline/topographic map and the x-y coordinates of each fudicial marker noted.

The above information was entered into a computer. A Houston Hipad digitizer was used to enter the total field magnetic values from the strip charts. The coordinates of the fiducial markers were key-entered and merged with the magnetic values. The coordinates of magnetic values in between fiducial markers were computed using linear interpolation.

CONTOURING PROCEDURES

All the contour maps originating with Candell Consulting Corp. have been produced using computer assisted contouring. Each contour map was produced in two stages.

First, a matrix of magnetic values was interpolated at equi-spaced point separated by a distance equal to about one third the average flightline spacing and using the magnetic observations along flightlines in the neighbourhood of the point of interpolation. The interpolation of equi-spaced magnetic values is generally accomplished in two phases. Initially, the traditional inverse distance squared weighting method is used. This matrix of interpolated values is analyzed statistically. Orientationally dependent statistics may be useful in defining anisotropic trend directions. A spectral ensemble average model can be defined in ten degree

angular segments. The geometric factor constant of an anisotropic potential field equation usually is used as the weighting function to repeat the above interpolation of equi-spaced magnetic values.

The general reason for using the anisotropic potential equation interpolator is to minimize any ambiguities in the continuity of contour between flightlines. Also, in relatively subdued gradient areas it may at times be less ambiguous to determine the drafting of a contour.

Secondly, the contour map is produced by printing alphanumeric codes for each contour interval at the exact map scale. The final contour map is then traced and drafted.

APPENDIX 4

CERTIFICATE OF QUALIFICATIONS

I, Tom Rolston of 615-525 Seymour Street, Vancouver, B.C. state that I have actively been engaged in my profession since 1953 and state as follows:

1. 1953 to 1964 with the R.C.A.F. as instrument and electronic technician with crew supervisory capacity in various electronic and instrument systems.
2. 1964 to 1966 with Kerr-Addison Mines Ltd. as electronic technician, servicing, repairing and maintaining various types of geophysical instruments. Also two seasons as field supervisor and geophysical instrument operator in mining exploration, including airborne and ground geophysical surveys, geochemical surveys, geophysical and geochemical drafting and mapping.
3. 1966 to 1981 with Geotronics Surveys Ltd. and Columbia Geophysical Services Ltd., contracting geophysical/geochemical surveys in close association with geological mining engineers for various mining companies, as exploration manager and field supervisor of geophysical, geochemical surveys and instrument operator of various geophysical instruments such as airborne and ground systems, magnetometer, electromagnetic, gravity meter, self potential meter, scintillometer and induced polarization.
4. 1981 to present as exploration manager with Candell Consulting Corp., geophysical consulting, airborne geophysical services and computer analysis of geophysical data.

Dated at Vancouver, British Columbia this 15th day of February, 1984:

Tom Rolston, Project Manager

APPENDIX 5

AIRBORNE SURVEY DATA

```
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 750
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 816  914  886  894
MARK # < 2>    points < 4/  5>

 896  856  874  725  692  657  619  609  612
MARK # < 3>    points < 9/ 14>

 609  609  599  589  596  589  591  599
MARK # < 4>    points < 8/ 22>

LINE <3> END
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TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT, AUG.1983
FILE REF : < HARR5 >

** LINE **

524
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MARK # < 2> points < 5/ 6>

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MARK # < 3> points <11/ 17>

595 575 592 582 592 580
MARK # < 4> points < 6/ 23>

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MARK # < 5> points <13/ 36>

LINE <5> END

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FILE REF : < HARR5 >

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MARK # < 3> points <13/ 19>

586 566 576 571 581 564 566
MARK # < 4> points < 7/ 26>

556 581 554 539 546 546 546 539 534 531 516 516 518
MARK # < 5> points <13/ 39>

LINE <5> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT, AUG.1983
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554
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MARK # < 2> points <13/ 14>

590 605 605 613 620 620 625
MARK # < 3> points < 7/ 21>

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585 603 618 753
MARK # < 5> points < 4/ 35>

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** LINE **

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666
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664 646 651 638 618 618 597
MARK # < 3> points < 7/ 24>

603 582 585 585 592 590 587 575 569 559 564 557 547 539 526

MARK # < 4> points <15/ 39>

LINE <7> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT, AUG.1983
FILE REF : < HARR8 >

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LINE <8> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT, AUG.1983
FILE REF : < HARR9 >

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584 569 569 574 566 554 569 579 604 599 617 614 599 604 612
586 584 596 594 584 571 574 564 554 531 516 503 496 496
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TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT, AUG.1983
FILE REF : < HARR9 >

** LINE **

LINE <9> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT, AUG.1983
FILE REF : < HARR10 >

** LINE **

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566 534 526 526 534 561 581 564 571 569 581 591 586 607 614
624 614 622 596 594
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586 586 586 584 586
MARK # < 3> points < 5/ 26>

594 571 581 584 614 604 614 614 624 612 607 632 632 632 599
594 604 609 664 652 652
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LINE <10> END

MBASIC

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT, AUG.1983
FILE REF : < HARR11 >

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579
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MARK # < 3> points <11/ 28>

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MARK # < 4> points < 7/ 35>

702 758
MARK # < 5> points < 2/ 37>

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MARK # < 2> points < 7/ 8>

687 667 639 632 612 614 599 589 589 602 599 607
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602 602 602 599 624 632 589 586 609 622 682
MARK # < 4> points <11/ 31>

627 591 589 584 586 607 589 607 607 609 602 594
MARK # < 5> points <12/ 43>

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753 725 803 853 987 934 735 732
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707 712 690 685 712 667 639 687
MARK # < 4> points < 8/ 23>

629 614 659 617 647 644 637
MARK # < 5> points < 7/ 30>

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT, AUG.1983
FILE REF : < HARR13 >

** LINE **

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LINE <13> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT, AUG.1983

FILE REF # < MARK14 >

** LINE **

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MARK # < 2> points < 0/ 1>

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT, AUG.1983
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649 634 649 649 677 657 667
MARK # < 3> points <22/ 30>

667 664 654 639 642 649 667 664 667 672 700 707 710 710 768
793 811 937 75 75 68 141 88
MARK # < 4> points <23/ 53>

911 826 795 831 60 911 841 700 712 702 702 642 675
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TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT, AUG.1983
FILE REF : < HARR15 >

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745 758 755 151 894 972 113 178 191 702 448 45 911 828 758
745 740 735 722 753 743 720 720 720
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732 727 760 720 707 702 705 692 697 697 705 730 738
MARK # < 3> points <13/ 38>

750 808 879 881 879 914
MARK # < 4> points < 6/ 44>

LINE <15> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT, AUG.1983
FILE REF : < HARR16 >

** LINE **

952
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MARK # < 2> points < 8/ 9>

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755
MARK # < 3> points <16/ 25>

750 780 788 785 795
MARK # < 4> points < 5/ 30>

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LINE <16> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT, AUG.1983
FILE REF : < HARR17 >

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894 964 929 763
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881 911 911
MARK # < 3> points <18/ 38>

LINE <17> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT, AUG.1983
FILE REF : < HARR18 >

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924
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TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT, AUG.1983
FILE REF : < HARR18 >

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944 70 750 644 589 602 619 629 624 612
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LINE <18> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT, AUG.1983
FILE REF : < HARR19 >

** LINE **

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MARK # < 2> points <26/ 27>

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MARK # < 3> points <10/ 37>

LINE <19> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT, AUG.1983
FILE REF : < HARR20 >

** LINE **

909
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586 591 627
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FILE REF : < HARR21 >

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921 886 886 871
MARK # < 3> points < 4/ 31>

LINE <21> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT, AUG.1983
FILE REF : < HARR22 >

** LINE **

904
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TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT, AUG.1983
FILE REF : < HARR22 >

** LINE **

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730 722
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LINE <22> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT, AUG.1983
FILE REF : < HARR23 >

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760	765	808	881	876	743	743	755	670	657	647	654	637	687	770
853	128	476	503	526	513	428	322	226	138	90	73	60	62	78

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TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT, AUG.1983
FILE REF : < HARR24 >

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798 778 765 768
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LINE <24> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT, AUG.1983
FILE REF : < HARR25 >

** LINE **

793
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788 811 788 755 755 760 743
MARK # < 2> points < 7/ 8>

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TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT, AUG.1983
FILE REF : < HARR25 >

** LINE **

188 95 90
MARK # < 3> points <18/ 26>

LINE <25> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT, AUG.1983
FILE REF : < HARR26 >

** LINE **

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MARK # < 2> points <27/ 28>

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT, AUG.1983
FILE REF : < HARR26 >

** LINE **

LINE <26> END

APPENDIX II

X - Y - Z DATA HARD COPIES

X - Y COORDINATES and ELECTORMAGNETIC DATA FROM FLIGHT LINE MAP and DIGITIZED ANALOG STRIP CHARTS.

Lines AHAR3 to AHAR26 (Annapolis transmitter)

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR3 >

** LINE **

34
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38 38 37 33 32 33 34 32 35 36 36
MARK # < 4> points <11/ 29>

LINE <3> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR4 >

** LINE **

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MARK # < 2> points <10/ 11>

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MARK # < 3> points <15/ 26>

52 55 50 46 42
MARK # < 4> points < 5/ 31>

LINE <4> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR5 >

** LINE **

26
MARK # < 1> points < 1/ 1>

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR5 >

** LINE **

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MARK # < 3> points <15/ 17>

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MARK # < 4> points < 9/ 26>

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41 38
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TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR6 >

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37 39 39 37 40 40 33 33 32 33 36 35 27
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TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR7 >

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22 22 24 23 23 23
MARK # < 2> points <21/ 22>

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MARK # < 3> points < 9/ 31>

29 28 29 28 27 26 27 23 26 21 26 24 28 25 28
27 27 27 28 28 28 29 29
MARK # < 4> points <23/ 54>

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR8 >

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MARK # < 2> points <13/ 14>

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29 28 27 26 25 25 28 29 26 27 28 31 29 29 29
30
MARK # < 3> points <31/ 45>

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TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR9 >

** LINE **

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41	42	44	44	44	42	44	44	45	43	47	44	44	40	42
42	43	41	40	43	43	41	41	44	44	45	44	47	46	

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LINE <9> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR10 >

** LINE **

56
MARK # < 1> points < 1/ 1>

29 32 30 32 30 31 30 31 32 31 31 32 32 32 33
33 33 32 34 33 33 33 33 33 32 32 32
MARK # < 2> points <27/ 28>

30 29 29 29 29 29 22
MARK # < 3> points < 7/ 35>

27 26 27 26 25 24 26 26 26 24 26 26 28 29 29
29 31 31 29 31 31 31 33 33 31 30 29
MARK # < 4> points <27/ 62>

LINE <10> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR11 >

** LINE **

37
MARK # < 1> points < 1/ 1>

37 35 38 38 40 39 41 40 41 41 42 43 43 44 41
41 42 42 43 41 39 39 38 35 35 36 38
MARK # < 2> points <27/ 28>

35 35 35 33 35 33 33 18 18 17 17 17 20 22 24

MARK # < 3> points <15/ 43>

35 36 35 36 37 38 39 39 37 36
MARK # < 4> points <10/ 53>

38 40 39 39 41 39 37 38
MARK # < 5> points < 8/ 61>

LINE <11> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR12 >

** LINE **

28
MARK # < 1> points < 1/ 1>

28 28 27 28 28 28 27 26 26 25 25
MARK # < 2> points <11/ 12>

25 26 28 28 27 29 26 26 25 26 24 25 24 25 23
24 24
MARK # < 3> points <17/ 29>

24 23 22 22 21 21 21 21 21 21 21 21 21 21 22
22 22 21 23 25 24 25 26 28
MARK # < 4> points <24/ 53>

35 33 29 26 26 27 29 32 33 33 33 32 33 33 33
30
MARK # < 5> points <16/ 69>

36 35 36 33 36 35 33 33 33 33 32 32 31 29 29
28 29 28 29 28 29 31 34 40 37 33
MARK # < 6> points <26/ 95>

LINE <12> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR13 >

** LINE **

48
MARK # < 1> points < 1/ 1>

51 45 37 34 33 33
MARK # < 2> points < 6/ 7>

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR13 >

** LINE **

36 38 37 39 39 38 40 41
MARK # < 3> points < 8/ 15>

40 39 37 35 35 32 32 30 32 36 31
MARK # < 4> points <11/ 26>

34 29 28 31 30 30 27 29 27 28 26 26 20
MARK # < 5> points <13/ 39>

25 27 26 27 28 29 28 30 32 32
MARK # < 6> points <10/ 49>

32 33 33 32 32 32 31 32 31 31 33 32
MARK # < 7> points <12/ 61>

LINE <13> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR14 >

** LINE **

35
MARK # < 1> points < 1/ 1>

35 36 36 35 35 35 35 34 33 35 32
MARK # < 2> points <11/ 12>

33 33 35 33 34 33 35 33 33 32 32 32 32 32 31
29 29 29 30 29 29 30 31 32 32 32 33 33 35
MARK # < 3> points <29/ 41>

40 43 40 38 35 34 35 40 40 41 41 40 37 36 38
37 39 38 42 43 45 48 46 46 47 45 43 41 42 38

MARK # < 4> points <30/ 71>

42 43 39 38 38 37 36 33 35 35 37 41 47 44 37
33 33 32 34
MARK # < 5> points <19/ 90>

LINE <14> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR15 >

** LINE **

33
MARK # < 1> points < 1/ 1>

34 32 35 37 41 42 42 40 40 44 44 45 45 48 44
49 47 49 48 50 53 52 54 52 52 50 44 45 44 43
43 45 44 44 41 38 42 43 42

MARK # < 2> points <39/ 40>

43 39 39 39 36 35 35 35 35 37 33 33 34 33 31

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR15 >

** LINE **

30 29 30 31 30 30 30 29
MARK # < 3> points <23/ 63>

LINE <15> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR16 >

** LINE **

25
MARK # < 1> points < 1/ 1>

31 32 32 31 32 31 32 31 30 29 29
MARK # < 2> points <11/ 12>

30 28 29 29 29 32 35 37 38 37 36 36 33 31 32
33 34 33 33 33 34
MARK # < 3> points <21/ 33>

37 40 44 52 49 45 44
MARK # < 4> points < 7/ 40>

44 46 50 50 51 48 45 44 47 48 49 50 52 50 51
47 45 43 43 43 44 44 45 45 45 45 44 44 44 42
43 42 50 49 38 34 32 32
MARK # < 5> points <38/ 78>

LINE <16> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR17 >

** LINE **

33
MARK # < 1> points < 1/ 1>

36 37 43 38 39 41 43 44 44 41 39 43 41 39 39
41 41 44 47 49 51 52 54 56 57 66 64 66
MARK # < 2> points <28/ 29>

67 58 55 55 65 64 61 55 52 53 50 50 48 47 43
47 50 53 53 52 49 50 48
MARK # < 3> points <23/ 52>

LINE <17> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR18 >

** LINE **

35
MARK # < 1> points < 1/ 1>

38 40 41 41 39 38 38 39 38 39 40 41 40 40
MARK # < 2> points <14/ 15>

39 38 41 40 41 41 44 47 43 41 41 41 40 38
MARK # < 3> points <14/ 29>

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR18 >

** LINE **

40	39	38	38	35	35	33	35	33	35	32	33	33	33	35
33	33	35	32	33	33	33	33	35	36	35	32	29	29	29

MARK # < 4> points <30/ 59>

LINE <18> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR19 >

** LINE **

37
MARK # < 1> points < 1/ 1>

40 39 40 47 45 44 47 50 50 51 54 54 55 53 53
52 53 53 58 53 54 55 55 56 53 56 58 56 55 54
54 55 55 50
MARK # < 2> points <34/ 35>

49 56 56 53 53 53 57 60 59 53 57 56 55
MARK # < 3> points <13/ 48>

LINE <19> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR20 >

** LINE **

50
MARK # < 1> points < 1/ 1>

51 48 52 48 50 49 52 46
MARK # < 2> points < 8/ 9>

51 53 55 56 55 55 52 52 54 52 55 53 55 54 56
53 53 54 52 55 53 54 52 50 51 50 49 48 50 52
54 54 55 52 47 50 48 48 47 46 49 50 50 47 46

MARK # < 3> points <45/ 54>

LINE <20> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR21 >

** LINE **

57
MARK # < 1> points < 1/ 1>

55 56 53 60 66 57 58 55 57 57 60 60 66 64 64
67 62 68 68 67 69 66 75 68 73 75 76 73 73 73
75 77 72 75 77 74 67
MARK # < 2> points <37/ 38>

74 75 72 65 64 65
MARK # < 3> points < 6/ 44>

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR21 >

** LINE **

LINE <21> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR22 >

** LINE **

52
MARK # < 1> points < 1/ 1>

54	52	53	58	63	63	63	64	62	56	55	52	54	55	57
57	57	55	55	56	55	56	55	55	50	54	51	53	53	53
51	49	50	51	46	46	44	44	44	46	47	51	56	55	49
44	41	42	43	45										

MARK # < 2> points <50/ 51>

LINE <22> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR23 >

** LINE **

57
MARK # < 1> points < 1/ 1>

58	57	58	57	58	61	58	61	61	74	66	67	63	64	64
63	70	61	71	66	72	72	69	72	70	69	72	69	73	70
71	71	71	73	74	77	77	75	77	76	76				

MARK # < 2> points <41/ 42>

LINE <23> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR24 >

** LINE **

51
MARK # < 1> points < 1/ 1>

53	59	64	68	63	64	60	60	62	64	65	65	65	68	67
67	64	62	64	62	61	58	60	58	56	58	58	63	63	66
65	66	64	70	74	66	57	52	52	52	53	55	54	54	53
54	55	54												

MARK # < 2> points <48/ 49>

LINE <24> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR25 >

** LINE **

49
MARK # < 1> points < 1/ 1>

50 49 50 49 50 50 50 58 67
MARK # < 2> points < 9/ 10>

69 60 54 52 53 55 54 60 56 60 57 67 64 65 64

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR25 >

** LINE **

64 61 64 58 56 55
MARK # < 3> points <21/ 31>

LINE <25> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURVEY; ANNAPOPLIS XMITTER.
FILE REF : < AHAR26 >

** LINE **

50
MARK # < 1> points < 1/ 1>

50 52 55 55 58 57 61 58 60 58 58 58 58 55 56
55 50 50 51 52 51 55 59 63 61 54 52 47 49 47
49 49 50 49 51 50 50
MARK # < 2> points <37/ 38>

LINE <26> END

APPENDIX III

X - Y - Z DATA HARD COPIES

X - Y COORDINATES and ELECTORMAGNETIC DATA FROM FLIGHT LINE MAP and DIGITIZED ANALOG STRIP CHARTS.

Lines SHAR3 to SHAR26 (Seattle transmitter)

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR3 >

** LINE **

40
MARK # < 1> points < 1/ 1>

39 38 38 42 35 35
MARK # < 2> points < 6/ 7>

43 41 44 42 40 41 39 39 40 36 33
MARK # < 3> points <11/ 18>

35 38 34 34 35 34 34 31 31 26
MARK # < 4> points <10/ 28>

LINE <3> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR4 >

** LINE **

32
MARK # < 1> points < 1/ 1>

40 36 38 38 39 40 38 37 37 36 31
MARK # < 2> points <11/ 12>

36 39 40 42 47 36 39 36 38 38 37 39 46 35
MARK # < 3> points <14/ 26>

41 42 39 35
MARK # < 4> points < 4/ 30>

LINE <4> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR5 >

** LINE **

28
MARK # < 1> points < 1/ 1>

32 32 35 33 33
MARK # < 2> points < 5/ 6>

38 36 35 33 34 32 32 35 39 40 39 39 38 34 33

MARK # < 3> points <15/ 21>

34 32 32 33 33 34 35 31 32
MARK # < 4> points < 9/ 30>

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR5 >

** LINE **

35 35 37 35 35 34 33 31 33 32 31 29
MARK # < 5> points <12/ 42>

LINE <5> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR6 >

** LINE **

46
MARK # < 1> points < 1/ 1>

45 46 44 45 43 48 45 44 39 42 38 38 37 35 36
31 25
MARK # < 2> points <17/ 18>

30 33 33 32 33 33 31 31 32
MARK # < 3> points < 9/ 27>

33 34 33 34 34 35 38 35 35 32 33 35 35 28
MARK # < 4> points <14/ 41>

32 32 30 28
MARK # < 5> points < 4/ 45>

LINE <6> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR7 >

** LINE **

28
MARK # < 1> points < 1/ 1>

28 28 27 28 28 27 33 31 32 34 34 33 33 33 32
32 31 32 35 32 31 27
MARK # < 2> points <22/ 23>

30 30 31 31 31 31 30 30 28
MARK # < 3> points < 9/ 32>

29 27 28 28 28 30 30 29 30 29 29 30 32 32 32
33 33 33 35 35 35 34
MARK # < 4> points <22/ 54>

LINE <7> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR8 >

** LINE **

42
MARK # < 1> points < 1/ 1>

45 39 37 31 32 31 30 35 31 35 32 35 26.
MARK # < 2> points <13/ 14>

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR8 >

** LINE **

28 27 27 28 27 27 30 34 29 28 28 30 28 31 27
25 26 23 25 24 23
MARK # < 3> points <21/ 35>

LINE <8> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR9 >

** LINE **

42
MARK # < 1> points < 1/ 1>

43	43	44	45	43	42	44	46	47	46	52	47	47	50	48
46	46	47	46	45	46	45	42	42	40	41	41	41	41	39
39	40	41	44	39	37	38	40	45	45	46	47	54	47	46
46	46	46	47	47	49	53	26	25	22	23	21			

MARK # < 2> points <57/ 58>

LINE <9> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR10 >

** LINE **

59
MARK # < 1> points < 1/ 1>

59 57 57 51 52 49 50 50 50 47 46 47 43 41 40
42 40 42 45 43 42 42 42 42 43 45
MARK # < 2> points <26/ 27>

41 45 43 42 43 40
MARK # < 3> points < 6/ 33>

46 44 45 47 45 44 45 50 45 45 46 52 47 46 45
47 45 45 41 38 34 37 34 35 33 31 29
MARK # < 4> points <27/ 60>

LINE <10> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR11 >

** LINE **

35
MARK # < 1> points < 1/ 1>

37 35 36 35 34 34 34 32 33 32 31 30 28 26 26
26 26 26 26 25 25 26 27 25 23 23 23 25
MARK # < 2> points <28/ 29>

26 24 25 26 26 26 27 28 28 26 25 26 26 28 23

MARK # < 3> points <15/ 44>

27 26 24 23 22 22 22 23 21 17
MARK # < 4> points <10/ 54>

9 10 9 9 7 5
MARK # < 5> points < 6/ 60>

LINE <11> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHARR12 >

** LINE **

19
MARK # < 1> points < 1/ 1>

22 19 19 20 21 21 22 23 22 23 21
MARK # < 2> points <11/ 12>

22 22 21 22 23 23 23 24 27 23 23 23 25 25 25
26 25
MARK # < 3> points <17/ 29>

26 28 28 26 28 27 28 28 27 27 27 28 28 26 27
25 26 24 23 23 22 20 21 21
MARK # < 4> points <24/ 53>

21 23 22 22 23 21 23 23 23 24 23 22 22 22 22
21 17
MARK # < 5> points <17/ 70>

21 22 22 22 21 22 23 22 23 25 25 25 25 26 28
26 27 28 30 30 31 33 32 34 33 30
MARK # < 6> points <26/ 96>

LINE <R12> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR13 >

** LINE **

36
MARK # < 1> points < 1/ 1>

37 38 39 36 33 32 30 25
MARK # < 2> points < 8/ 9>

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR13 >

** LINE **

26 25 24 23 23 22 23 23 24 24 22
MARK # < 3> points <11/ 20>

23 23 22 22 23 23 23 23 24 19 19
MARK # < 4> points <11/ 31>

25 25 26 30 28 26 26 28 27 28 28 28 23
MARK # < 5> points <13/ 44>

26 28 27 28 26 27 25 24 25 23
MARK # < 6> points <10/ 54>

26 24 25 25 24 25 24 22 21 20 21 21
MARK # < 7> points <12/ 66>

LINE <13> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR14 >

** LINE **

31
MARK # < 1> points < 1/ 1>

35 36 37 31 33 35 33 34 35 37 38
MARK # < 2> points <11/ 12>

38 38 40 41 41 42 41 40 40 39 42 45 45 46 47
47 47 48 48 52 52 51 50 49 50 50 49 50 45
MARK # < 3> points <29/ 41>

49 48 51 53 53 56 52 48 50 47 54 50 50 46 46
41 42 43 40 40 42 42 41 40 38 38 39 39 38 33
31
MARK # < 4> points <31/ 72>

36 38 39 36 39 39 40 42 42 45 49 53 57 55 51
49 51 49 50
MARK # < 5> points <19/ 91>

LINE <14> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR15 >

** LINE **

54
MARK # < 1> points < 1/ 1>

59	58	58	61	62	59	58	57	56	54	55	59	58	56	60
60	59	59	59	61	66	65	66	66	67	65	62	63	63	66
63	67	65	64	61	61	60	57	52						

MARK # < 2> points <39/ 40>

60	59	59	59	58	57	53	53	52	45	43	45	47	46	46

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR15 >

** LINE **

39 39 35 35 36 36 38 39
MARK # < 3> points <23/ 63>

LINE <15> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR16 >

** LINE **

33
MARK # < 1> points < 1/ 1>

39 40 40 38 39 37 38 40 38 40 37
MARK # < 2> points <11/ 12>

45 47 47 51 46 46 52 53 55 56 58 59 61 59 61
55 52 50 50 45
MARK # < 3> points <20/ 32>

50 52 58 64 71 69
MARK # < 4> points < 6/ 38>

76 80 81 81 79 78 73 70 66 66 64 62 60 60 61
57 58 62 59 59 58 57 56 57 57 57 54 53 54 55
58 62 66 61 59 59 61
MARK # < 5> points <37/ 75>

LINE <16> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR17 >

** LINE **

47
MARK # < 1> points < 1/ 1>

51 54 65 51 49 49 46 49 50 52 56 58 56 54 53
54 54 54 57 57 60 63 63 66 63 69 70 69
MARK # < 2> points <28/ 29>

70 71 71 69 72 70 68 66 69 66 62 62 60 59 54
59 57 61 63 60 60 62 62
MARK # < 3> points <23/ 52>

LINE <17> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR18 >

** LINE **

51
MARK # < 1> points < 1/ 1>

54 56 58 60 60 59 59 58 59 57 57 55 53 47
MARK # < 2> points <14/ 15>

51 50 54 52 51 54 53 53 53 52 51 51 51 47
MARK # < 3> points <14/ 29>

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR18 >

** LINE **

52	54	54	54	52	52	50	50	46	46	46	43	42	41	41
40	40	38	37	37	35	36	35	38	40	39	37	35	36	35

MARK # < 4> points <30/ 59>

LINE <18> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR19 >

** LINE **

37
MARK # < 1> points < 1/ 1>

43 43 46 49 52 50 52 53 53 52 53 54 53 52 54
55 55 57 60 61 61 63 59 59 55 57 59 61 59 59
60 59 61 55
MARK # < 2> points <34/ 35>

64 68 69 68 69 71 71 71 71 72 70 71
MARK # < 3> points <12/ 47>

LINE <19> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR20 >

** LINE **

55
MARK # < 1> points < 1/ 1>

54 54 54 52 53 53 47
MARK # < 2> points < 7/ 8>

53 58 54 55 50 50 46 46 44 46 46 44 46 43 44
44 42 42 43 41 43 43 44 42 40 39 39 37 36 35
35 35 35 36 33 32 33 32 31 35 35 33 30 30
MARK # < 3> points <44/ 52>

LINE <20> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR21 >

** LINE **

36
MARK # < 1> points < 1/ 1>

41 40 41 49 50 46 46 44 47 43 44 42 45 43 44
45 44 45 45 44 45 45 45 45 46 49 49 50 50 51
54 57 59 62 60 60 57
MARK # < 2> points <37/ 38>

63 65 64 66 66
MARK # < 3> points < 5/ 43>

LINE <21> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR22 >

** LINE **

57
MARK # < 1> points < 1/ 1>

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR22 >

** LINE **

52	52	50	50	48	47	44	46	44	42	42	41	42	40	38
38	39	39	38	40	41	41	39	39	38	37	39	36	37	35
37	39	43	47	44	42	39	36	35	33	29				

MARK # < 2> points <41/ 42>

LINE <22> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR23 >

** LINE **

38
MARK # < 1> points < 1/ 1>

39	41	38	40	40	41	45	41	47	43	46	42	46	42	42
42	41	44	41	43	45	46	48	47	50	50	47	51	51	54
51	53	52	55	57	57	59	61	64	59					

MARK # < 2> points <40/ 41>

LINE <23> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR24 >

** LINE **

48
MARK # < 1> points < 1/ 1>

48	47	49	50	51	48	46	46	46	46	46	46	46	45	44
42	42	40	41	38	38	35	37	36	36	35	37	36	37	38
39	42	42	44	45	46	38	34	32	30	30	30	33	32	30
31	31													

MARK # < 2> points <47/ 48>

LINE <24> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR25 >

** LINE **

35
MARK # < 1> points < 1/ 1>

37 39 36 37 35 37 38 37
MARK # < 2> points < 8/ 9>

42 40 39 40 41 40 42 41 45 41 47 42 46 48 49
49 48 50 51 52 53 54 51 52
MARK # < 3> points <24/ 33>

LINE <25> END

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR26 >

** LINE **

45
MARK # < 1> points < 1/ 1>

TENQUILLE RESOURCES LTD. HARRISON AIRBORNE PROJECT. AUG 1983.
VLF-EM SURV, SEATTLE XMITTER.
FILE REF : < SHAR26 >

** LINE **

45 42 42 41 43 41 39 38 36 38 37 36 35 35 35
34 33 32 33 30 30 30 30 30 29 28 28
MARK # < 2> points <27/ 28>

LINE <26> END

APPENDIX IV

X - Y - Z DATA HARD COPIES

X - Y COORDINATES and RELATIVE BULK MODULUS DATA FROM 2nd DRIVITIVE SURFACE TREND ANALYSIS MAP.

Lines RB0 to RB11E and RB1S to RB11S

```
CNVRTRBO

RBO
Total points in =  90 Mag readings =  88
Deletions between fids?
-e-e


-e-e---e---e
 1 000800030

-e-e---e---e
 2 019801870

-e-e---e---e
-1

   80.    30.     0.     1
  143.    91.  8250.     0
  207.   153.  8500.     0
  270.   214.  8750.     0
  333.   275.  7750.     0
  397.   337.  9500.     0
  460.   398.  8500.     0
  523.   459.  8500.     0
  587.   521.  9000.     0
  650.   582.  8500.     0
  713.   643.  9000.     0
  777.   705.  8500.     0
  840.   766.  8250.     0
  903.   827.  8750.     0
  967.   889.  9500.     0
 1030.   950.  9500.     0
 1093.  1011.  9750.     0
 1157.  1073.  9000.     0
 1220.  1134.  8750.     0
 1283.  1195.  9000.     0
 1347.  1257.  9000.     0
 1410.  1318.  9000.     0
 1473.  1379.  9750.     0
 1537.  1441.  8000.     0
 1600.  1502.  8750.     0
 1663.  1563.  8750.     0
```

```
 1790. 1686. 8250.     0
 1853. 1747. 9500.     0
 1917. 1809. 9250.     0
 1980. 1870. 8750.     2
NEW INPUT FILE
-----------e
RB1E

RB1E
Total points in =  60 Mag readings =  59
Deletions between fids?
-e-e


-e-e---e---e
 1 002000030

-e-e---e---e
 2 019801750

-e-e---e---e
-1

  200.   30.    0.     1
  261.   89. 9500.     0
  323.  149. 7750.     0
  384.  208. 9250.     0
  446.  267. 9500.     0
  507.  327. 8000.     0
  568.  386. 7250.     0
  630.  445. 9750.     0
  691.  504. 8250.     0
  752.  564. 9500.     0
  814.  623. 8000.     0
  875.  682. 8500.     0
  937.  742. 8750.     0
  998.  801. 9250.     0
 1059.  860. 8000.     0
 1121.  920. 8250.     0
 1182.  979. 8500.     0
 1243. 1038. 9500.     0
 1305. 1098. 7500.     0
 1366. 1157. 9000.     0
 1428. 1216. 8500.     0
 1489. 1276. 7750.     0
 1550. 1335. 9250.     0
 1612. 1394. 9750.     0
 1673. 1453. 8000.     0
 1734. 1513. 9500.     0
 1796. 1572. 9500.     0
 1857. 1631. 9500.     0
 1919. 1691. 8250.     0
 1980. 1750. 9250.     2
NEW INPUT FILE
------------e
RB32E

RB2E
Total points in =  60 Mag readings =  58
Deletions between fids?
-e-e


-e-e---e---e
 1 003250030
```

```
-e-e---e---e
 2 019801620

-e-e---e---e
-1

  325.   30.    0.    1
  386.   89. 8750.    0
  448.  148. 8500.    0
  509.  207. 8000.    0
  570.  266. 9000.    0
  631.  324. 9250.    0
  693.  383. 8750.    0
  754.  442. 8000.    0
  815.  501. 9750.    0
  877.  560. 9250.    0
  938.  619. 9000.    0
  999.  678. 8250.    0
 1061.  737. 9000.    0
 1122.  796. 9000.    0
 1183.  854. 9250.    0
 1244.  913. 8000.    0
 1306.  972. 8500.    0
 1367. 1031. 9250.    0
 1428. 1090. 8750.    0
 1490. 1149. 8500.    0
 1551. 1208. 9500.    0
 1612. 1267. 9750.    0
 1674. 1326. 7500.    0
 1735. 1384. 9500.    0
 1796. 1443. 7500.    0
 1857. 1502. 9250.    0
 1919. 1561. 8750.    0
 1980. 1620. 9000.    2
NEW INPUT FILE
----------e
RB3E

RB3E
Total points in =  60 Mag readings =  58
Deletions between fids?
-e-e


-e-e---e---e
 1 004500030

-e-e---e---e
 20 019801495

-e-e---e---e
-1

  450.   30.    0.    1
  511.   89. 9500.    0
  572.  147. 8250.    0
  634.  206. 9250.    0
  695.  264. 9250.    0
  756.  323. 8750.    0
  817.  382. 8750.    0
  878.  440. 8500.    0
  940.  499. 8500.    0
 1001.  557. 8500.    0
 1062.  616. 9000.    0
 1123.  675. 8750.    0
```

```
 1246.   792. 9000.     0
 1307.   850. 9500.     0
 1368.   909. 8000.     0
 1429.   968. 9500.     0
 1490.  1026. 8500.     0
 1552.  1085. 8250.     0
 1613.  1143. 9000.     0
 1674.  1202. 7750.     0
 1735.  1261. 9000.     0
 1796.  1319. 8750.     0
 1858.  1378. 9250.     0
 1919.  1436. 8250.     0
 1980.  1495. 9250.     2
NEW INPUT FILE
-----------e
RB4E

RB4E
Total points in =  60 Mag readings =  58
Deletions between fids?
-e-e


-e-e---e---e
 1 005750030

-e-e---e---e
 2 019801380

-e-e---e---e
-21

  575.    30.     0.     1
  636.    89. 9000.     0
  697.   147. 8750.     0
  758.   206. 8750.     0
  819.   265. 8750.     0
  880.   323. 9000.     0
  942.   382. 9000.     0
 1003.   441. 8250.     0
 1064.   500. 9250.     0
 1125.   558. 9750.     0
 1186.   617. 8750.     0
 1247.   676. 9000.     0
 1308.   734. 8750.     0
 1369.   793. 8750.     0
 1430.   852. 8250.     0
 1491.   910. 9000.     0
 1552.   969. 9000.     0
 1613.  1028. 8500.     0
 1675.  1087. 8000.     0
 1736.  1145. 9250.     0
 1797.  1204. 9250.     0
 1858.  1263. 9500.     0
 1919.  1321. 8750.     0
 1980.  1380. 9000.     2
NEW INPUT FILE
-----------e
RB5E

RB5E
Total points in =  60 Mag readings =  58
Deletions between fids?
-e-e
```

```
-e-e---e---e
 1 007000030

-e-e---e---e
 2 018601250

-e-e---e---e
-1

  700.    30.     0.     1
  755.    88.  9250.     0
  810.   146.  7500.     0
  866.   204.  9500.     0
  921.   262.  8750.     0
  976.   320.  8500.     0
 1031.   379.  9250.     0
 1087.   437.  8750.     0
 1142.   495.  8500.     0
 1197.   553.  9250.     0
 1252.   611.  8000.     0
 1308.   669.  9000.     0
 1363.   727.  8250.     0
 1418.   785.  9250.     0
 1473.   843.  8250.     0
 1529.   901.  9000.     0
 1584.   960.  8250.     0
 1639.  1018.  8250.     0
 1694.  1076.  9000.     0
 1750.  1134.  8750.     0
 1805.  1192.  9000.     0
 1860.  1250.  8750.     2
NEW INPUT FILE
----------e
RB6E

RB6E
Total points in =  60 Mag readings =  58
Deletions between fids?
-e-e


-e-e---e---e
 1 008250030

-e-e---e---e
 2 018601020

-e-e---e---e
-1

  825.    30.     0.     1
  886.    88.  8250.     0
  947.   146.  8000.     0
 1008.   205.  9250.     0
 1069.   263.  8500.     0
 1129.   321.  9250.     0
 1190.   379.  8500.     0
 1251.   438.  8500.     0
 1312.   496.  9000.     0
 1373.   554.  8250.     0
 1434.   612.  8250.     0
 1495.   671.  9000.     0
 1556.   729.  9250.     0
 1616.   787.  8250.     0
 1677.   845.  8750.     0
```

```
 1799.   962. 9000.     0
 1860.  1020. 8750.     2
NEW INPUT FILE
-----------e
RB7E

RB7E
Total points in =  60 Mag readings =  58
Deletions between fids?
-e-e


-e-e---e---e
 1 009500030

-e-e---e---e
 2 017750890

-e-e---e---e
-1

  950.    30.     0.     1
 1005.    87.  8250.     0
 1060.   145.  9250.     0
 1115.   202.  9500.     0
 1170.   259.  8000.     0
 1225.   317.  9500.     0
 1280.   374.  9250.     0
 1335.   431.  8000.     0
 1390.   489.  9500.     0
 1445.   546.  9000.     0
 1500.   603.  8500.     0
 1555.   661.  9750.     0
 1610.   718.  8000.     0
 1665.   775.  9500.     0
 1720.   833.  8500.     0
 1775.   890.  8750.     2
NEW INPUT FILE
-----------e
RB8E

RB8E
Total points in =  60 Mag readings =  58
Deletions between fids?
-e-e


-e-e---e---e
 1 010750030

-e-e---e---e
 2 017750695

-e-e---e---e
-21

 1075.    30.     0.     1
 1133.    85.  8750.     0
 1192.   141.  8500.     0
 1250.   196.  9000.     0
 1308.   252.  8250.     0
 1367.   307.  9500.     0
 1425.   362.  7500.     0
 1483.   418.  9000.     0
 1542.   473.  9250.     0
```

```
 1658.   584. 7750.     0
 1717.   640. 9000.     0
 1775.   695. 9000.     2
NEW INPUT FILE
----------e
RB9E

RB9E
Total points in =  60 Mag readings =  58
Deletions between fids?
-e-e


-e-e---e---e
 1 012000030

-e-e---e---e
 2 017750570

-e-e---e---e
-1

 1200.    30.     0.     1
 1257.    84. 9500.     0
 1315.   138. 8750.     0
 1372.   192. 9250.     0
 1430.   246. 8250.     0
 1487.   300. 9250.     0
 1545.   354. 8750.     0
 1602.   408. 8500.     0
 1660.   462. 9750.     0
 1717.   516. 8250.     0
 1775.   570. 8000.     2
NEW INPUT FILE
----------e
RB10E

RB10E
Total points in =  60 Mag readings =  58
Deletions between fids?
-e-e


-e-e---e---e
 1 013250030

-e-e---e---e
 2 017750450

-e-e---e---e
-1

 1325.    30.     0.     1
 1381.    82. 8250.     0
 1437.   135. 8250.     0
 1494.   187. 9250.     0
 1550.   240. 9250.     0
 1606.   292. 8750.     0
 1662.   345. 8500.     0
 1719.   397. 8750.     0
 1775.   450. 9500.     2
NEW INPUT FILE
----------e
RB11E
```

```
Total points in =  60 Mag readings =  58
Deletions between fids?
-e-e


-e-e---e---e
 10 014500030

-e-e---e---e
 2 015250095

-e-e---e---e
-1

 1450.    30.     0.     1
 1487.    62.  8750.     0
 1525.    95.  8500.     2
NEW INPUT FILE
----------e
RB1S

RB1S
Total points in =  90 Mag readings =  88
Deletions between fids?
-e-e


-e-e---e---e
 10 000150095

-e-e---e---e
 2 019801990

-e-e---e---e
-1

   15.    95.     0.     1
   78.   156.  9500.     0
  142.   217.  8250.     0
  205.   278.  9250.     0
  269.   340.  8750.     0
  332.   401.  7750.     0
  395.   462.  8750.     0
  459.   523.  9500.     0
  522.   584.  8250.     0
  585.   645.  9000.     0
  649.   706.  8500.     0
  712.   767.  9250.     0
  776.   829.  7500.     0
  839.   890.  8500.     0
  902.   951.  8250.     0
  966.  1012.  9250.     0
 1029.  1073.  9000.     0
 1093.  1134.  8250.     0
 1156.  1195.  7750.     0
 1219.  1256.  9750.     0
 1283.  1318.  8750.     0
 1346.  1379.  9500.     0
 1410.  1440.  7500.     0
 1473.  1501.  9990.     0
 1536.  1562.  8750.     0
 1600.  1623.  8250.     0
 1663.  1684.  8250.     0
 1726.  1745.  9250.     0
 1790.  1807.  8250.     0
```

```
 1917. 1929. 8750.     0
 1980. 1990. 8500.     2
NEW INPUT FILE
----------e
RB2S

RB2S
Total points in =  90 Mag readings =  88
Deletions between fids?
-e-e


-e-e---e---e
 1 000150220

-e-e---e---e
 2 019802040

-e-e---e---e
-1

   15.   220.     0.     1
   80.   281.  8500.     0
  146.   341.  9000.     0
  211.   402.  8750.     0
  277.   463.  8750.     0
  342.   523.  8500.     0
  408.   584.  7750.     0
  473.   645.  9000.     0
  539.   705.  9000.     0
  604.   766.  9000.     0
  670.   827.  7750.     0
  735.   887.  9500.     0
  801.   948.  8500.     0
  866.  1009.  9000.     0
  932.  1069.  9000.     0
  997.  1130.  8500.     0
 1063.  1191.  8250.     0
 1128.  1251.  9250.     0
 1194.  1312.  8250.     0
 1259.  1373.  8750.     0
 1325.  1433.  9250.     0
 1390.  1494.  8000.     0
 1456.  1555.  9000.     0
 1521.  1615.  9250.     0
 1587.  1676.  9250.     0
 1652.  1737.  8250.     0
 1718.  1797.  8750.     0
 1783.  1858.  9250.     0
 1849.  1919.  8500.     0
 1914.  1979.  9500.     0
 1980.  2040.  9500.     2
NEW INPUT FILE
----------e
RB3S

RB3S
Total points in =  90 Mag readings =  88
Deletions between fids?
-e-e


-e-e---e---e
 1 000150340
```

```
 2 018602040

-e-e---e---e
-1

   15.   340.     0.     1
   79.   399.  8500.     0
  142.   457.  9250.     0
  206.   516.  8250.     0
  269.   574.  9250.     0
  333.   633.  9000.     0
  397.   692.  8000.     0
  460.   750.  9000.     0
  524.   809.  9000.     0
  588.   868.  9500.     0
  651.   926.  9500.     0
  715.   985.  8500.     0
  778.  1043.  9500.     0
  842.  1102.  9250.     0
  906.  1161.  8000.     0
  969.  1219.  9500.     0
 1033.  1278.  8500.     0
 1097.  1337.  8750.     0
 1160.  1395.  9500.     0
 1224.  1454.  8500.     0
 1287.  1512.  9000.     0
 1351.  1571.  7750.     0
 1415.  1630.  7750.     0
 1478.  1688.  9000.     0
 1542.  1747.  8750.     0
 1606.  1806.  9250.     0
 1669.  1864.  7250.     0
 1733.  1923.  8500.     0
 1796.  1981.  9250.     0
 1860.  2040.  8750.     2
NEW INPUT FILE
----------e
RB4S

RB4S
Total points in =  60 Mag readings =  58
Deletions between fids?
-e-e


-e-e---e---e
 1 000150465

-e-e---e---e
 2 017302040

-e-e---e---e
-1

   15.   465.     0.     1
   76.   521.  9250.     0
  137.   577.  8500.     0
  199.   634.  9000.     0
  260.   690.  9500.     0
  321.   746.  8500.     0
  382.   802.  9250.     0
  444.   859.  8500.     0
  505.   915.  7500.     0
  566.   971.  8000.     0
  627.  1027.  7750.     0
```

```
   750.  1140.  8500.     0
   811.  1196.  9500.     0
   872.  1252.  8500.     0
   934.  1309.  9750.     0
   995.  1365.  9250.     0
  1056.  1421.  7750.     0
  1117.  1477.  8250.     0
  1179.  1534.  9250.     0
  1240.  1590.  9250.     0
  1301.  1646.  9000.     0
  1362.  1702.  8250.     0
  1424.  1759.  9250.     0
  1485.  1815.  8750.     0
  1546.  1871.  8500.     0
  1607.  1927.  9750.     0
  1669.  1984.  9000.     0
  1730.  2040.  8500.     2
NEW INPUT FILE
----------e
RB5S

RB5S
Total points in =  60 Mag readings =  58
Deletions between fids?
-e-e


-e-e---e---e
 10 000150590

-e-e---e---e
 2 016002040

-e-e---e---e
-1

    15.   590.     0.     1
    76.   646.  8750.     0
   137.   702.  9000.     0
   198.   757.  8500.     0
   259.   813.  9500.     0
   320.   869.  8500.     0
   381.   925.  8750.     0
   442.   980.  9250.     0
   503.  1036.  8500.     0
   564.  1092.  9000.     0
   625.  1148.  9000.     0
   686.  1203.  8000.     0
   747.  1259.  9000.     0
   807.  1315.  8750.     0
   868.  1371.  8500.     0
   929.  1427.  8500.     0
   990.  1482.  8500.     0
  1051.  1538.  8500.     0
  1112.  1594.  7500.     0
  1173.  1650.  8250.     0
  1234.  1705.  9250.     0
  1295.  1761.  9000.     0
  1356.  1817.  7500.     0
  1417.  1873.  8250.     0
  1478.  1928.  9990.     0
  1539.  1984.  8250.     0
  1600.  2040.  7500.     2
NEW INPUT FILE
----------e
```

```
RB6S
Total points in =  60 Mag readings =  58
Deletions between fids?
-e-e


-e-e---e---e
 1 000150715

-e-e---e---e
 2 014802040

-e-e---e---e
-1

   15.   715.     0.     1
   76.   770.  8750.     0
  137.   825.  8250.     0
  198.   881.  7500.     0
  259.   936.  8500.     0
  320.   991.  8750.     0
  381.  1046.  8000.     0
  442.  1101.  8500.     0
  503.  1157.  8750.     0
  564.  1212.  8750.     0
  625.  1267.  8250.     0
  686.  1322.  9000.     0
  747.  1377.  8750.     0
  809.  1433.  8500.     0
  870.  1488.  8500.     0
  931.  1543.  8750.     0
  992.  1598.  8750.     0
 1053.  1654.  8500.     0
 1114.  1709.  9250.     0
 1175.  1764.  8750.     0
 1236.  1819.  8000.     0
 1297.  1874.  9750.     0
 1358.  1930.  8750.     0
 1419.  1985.  7500.     0
 1480.  2040.  8750.     2
NEW INPUT FILE
----------e
RB7S

RB7S
Total points in =  60 Mag readings =  58
Deletions between fids?
-e-e


-e-e---e---e
 1 000150840

-e-e---e---e
 2 013602040

-e-e---e---e
-1

   15.   840.     0.     1
   76.   895.  8500.     0
  137.   949.  7500.     0
  198.  1004.  8500.     0
  260.  1058.  9000.     0
```

```
   382. 1167. 9250.     0
   443. 1222. 8250.     0
   504. 1276. 8250.     0
   565. 1331. 9250.     0
   626. 1385. 8750.     0
   687. 1440. 9000.     0
   749. 1495. 8750.     0
   810. 1549. 8500.     0
   871. 1604. 8500.     0
   932. 1658. 8500.     0
   993. 1713. 8750.     0
  1054. 1767. 9750.     0
  1115. 1822. 7500.     0
  1177. 1876. 9500.     0
  1238. 1931. 8500.     0
  1299. 1985. 8750.     0
  1360. 2040. 8250.     2
NEW INPUT FILE
-----------e
RB8S

RB8S
Total points in =  60 Mag readings =  58
Deletions between fids?
-e-e


-e-e---e---e
 1 000150970

-e-e---e---e
 2 012302040

-e-e---e---e
-1

    15.  970.    0.     1
    76. 1023. 8500.     0
   136. 1077. 9500.     0
   197. 1130. 9000.     0
   258. 1184. 8250.     0
   319. 1237. 8250.     0
   379. 1291. 8000.     0
   440. 1344. 9000.     0
   501. 1398. 9000.     0
   562. 1451. 8750.     0
   622. 1505. 8750.     0
   683. 1558. 9000.     0
   744. 1612. 8500.     0
   805. 1665. 8750.     0
   865. 1719. 8500.     0
   926. 1772. 8750.     0
   987. 1826. 9000.     0
  1048. 1879. 9000.     0
  1108. 1933. 9000.     0
  1169. 1986. 8750.     0
  1230. 2040. 8500.     2
NEW INPUT FILE
-----------e
RB9S

RB9S
Total points in =  60 Mag readings =  58
Deletions between fids?
-e-e
```

```
-e-e---e---e
 1 000151095

-e-e---e---e
 2 011002040

-e-e---e---e
-1

   15. 1095.    0.     1
   75. 1147. 9000.     0
  136. 1200. 9000.     0
  196. 1252. 8500.     0
  256. 1305. 9000.     0
  316. 1357. 9500.     0
  377. 1410. 8750.     0
  437. 1462. 8500.     0
  497. 1515. 9000.     0
  557. 1567. 9000.     0
  618. 1620. 9000.     0
  678. 1672. 8750.     0
  738. 1725. 9250.     0
  799. 1777. 8750.     0
  859. 1830. 9250.     0
  919. 1882. 8000.     0
  979. 1935. 9250.     0
 1040. 1987. 7750.     0
 1100. 2040. 9500.     2
NEW INPUT FILE
----------e
RB10S

RB10S
Total points in =  60 Mag readings =  58
Deletions between fids?
-e-e


-e-e---e---e
 1 000151215

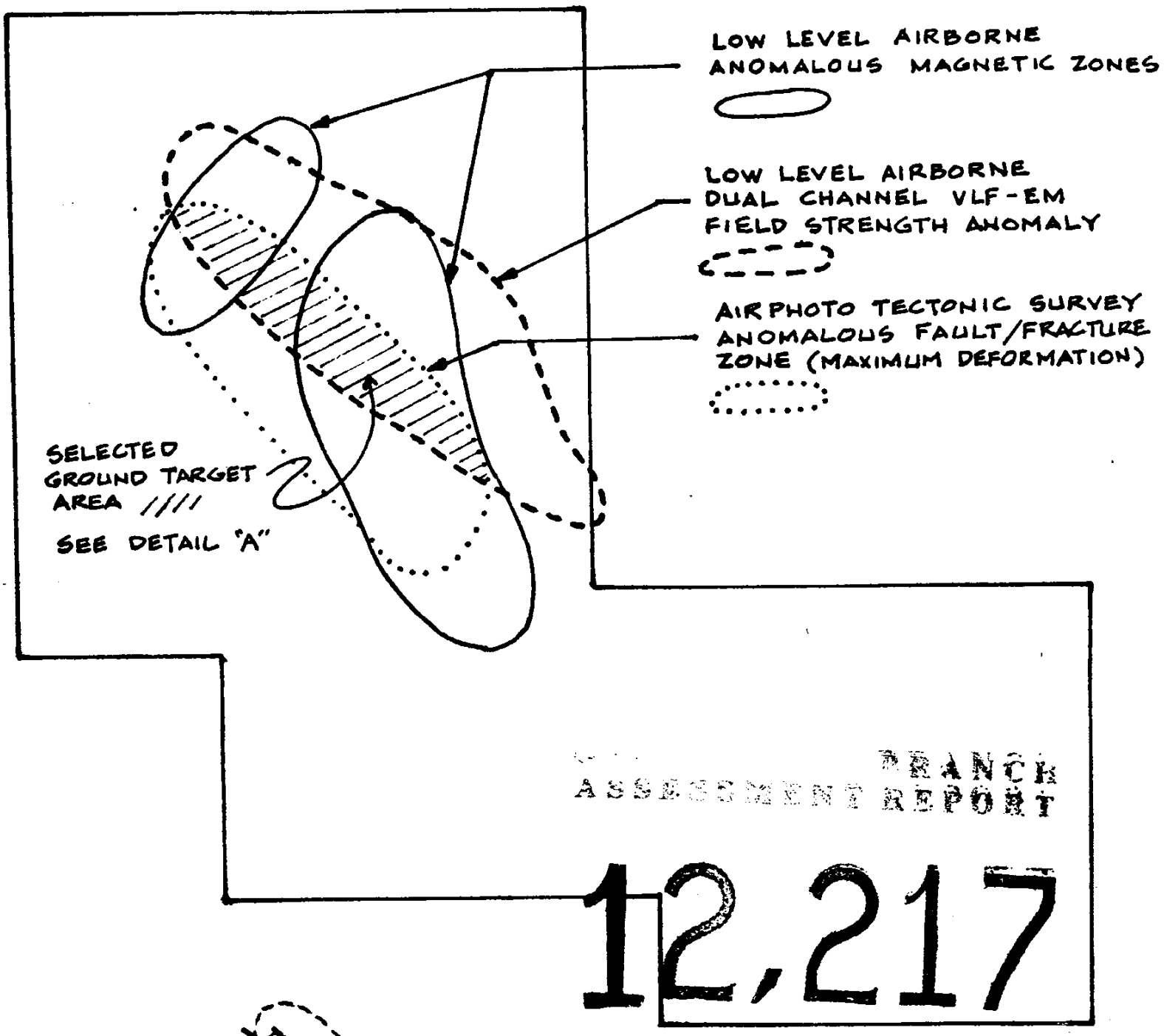
-e-e---e---e
 2 002201400

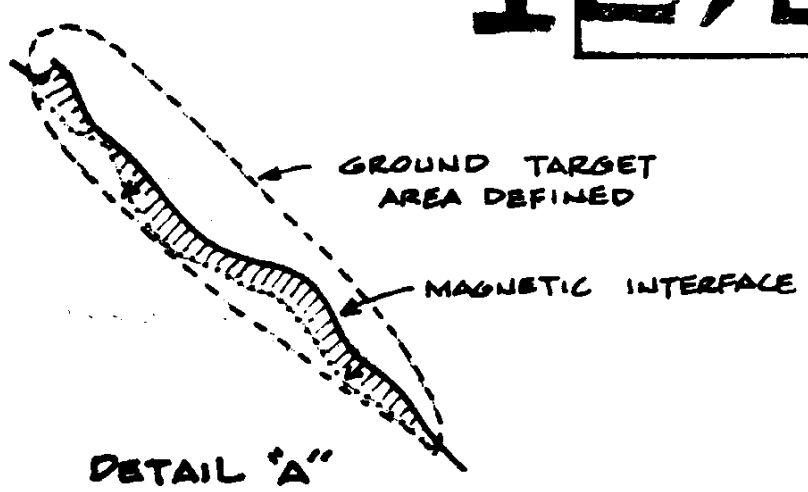
-e-e---e---e
-1

   15. 1215.    0.     1
   66. 1261. 8750.     0
  117. 1307. 9250.     0
  169. 1354. 8500.     0
  220. 1400. 9250.     2
NEW INPUT FILE
----------e
RB11S

RB11S
Total points in =  60 Mag readings =  58
Deletions between fids?
-e-e


-e-e---e---e
 1 000151340
```

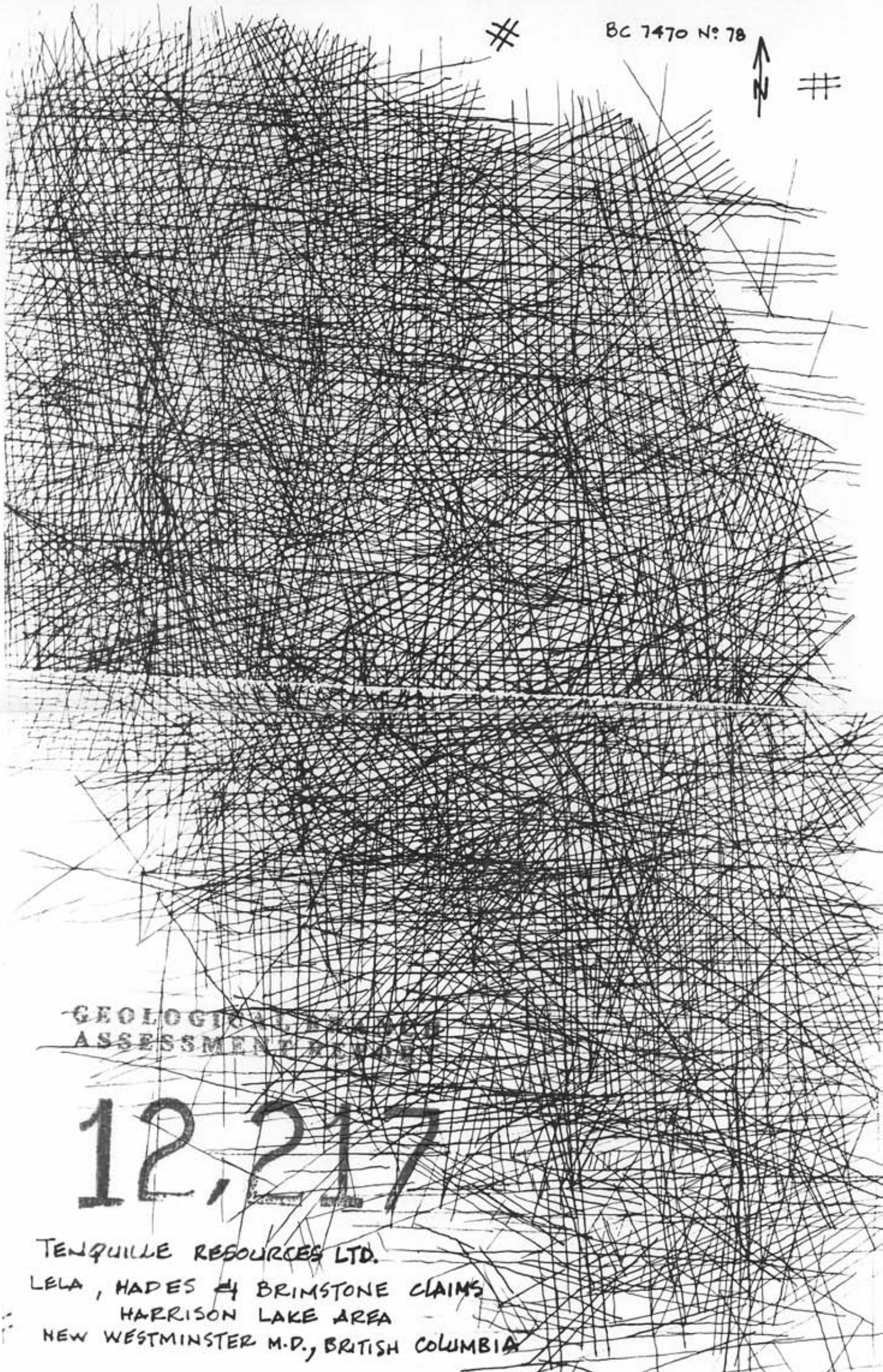




DETAIL "A"

HARRISON LAKE AIRBORNE PROJECT
TARGET SELECTION DIAGRAM
SCALE 1: 20,000

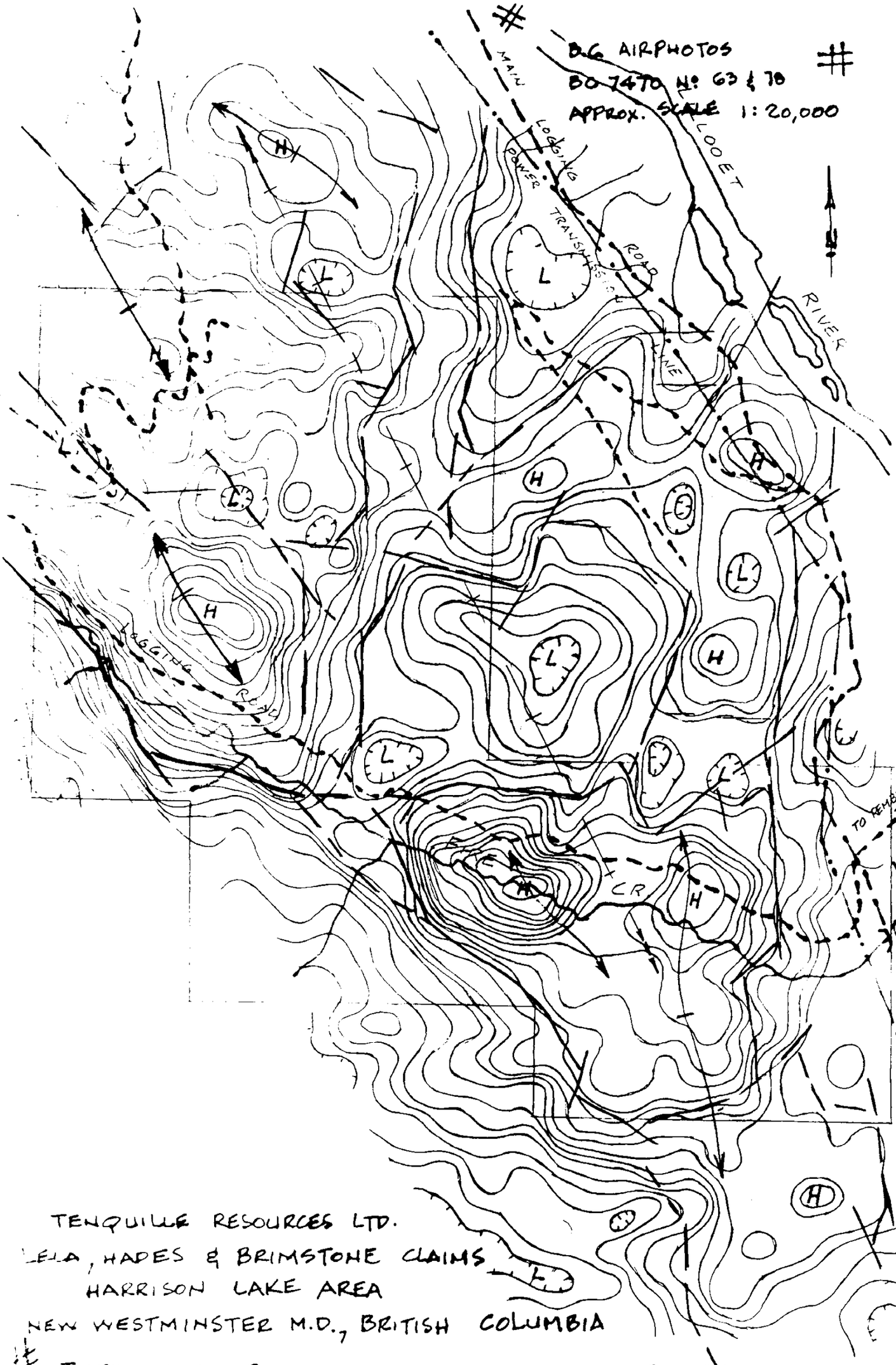
TECTONICS BY D. CHAPMAN
JE EXPLORATIONS INC.
FOR CANDELL CONSULTING CORP.
NOV. 1983.



TENQUILLE RESOURCES LTD.
LELA, HADES 4 BRIMSTONE CLAIMS
HARRISON LAKE AREA
NEW WESTMINSTER M.D., BRITISH COLUMBIA

BC 7470 No: 63
MEAN PHOTO SCALE: 1:20,000

ANNOTATED FAULT FRACTURE SYSTEMS
APPARENT ISOSTATIC TRACES
FIGURE 1.



TENQUILLE RESOURCES LTD.

LELA, HADES & BRIMSTONE CLAIMS

HARRISON LAKE AREA

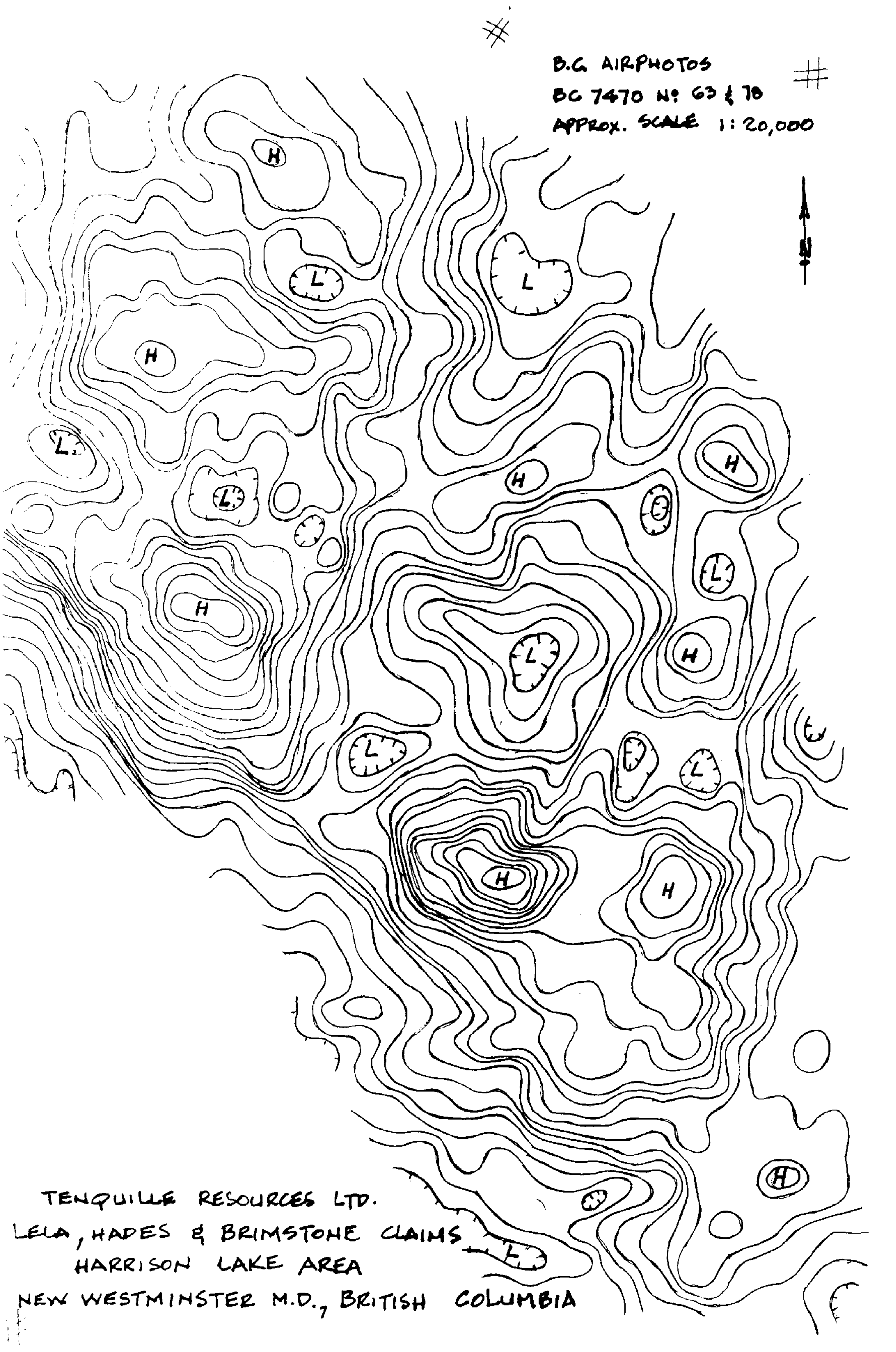
NEW WESTMINSTER M.D., BRITISH COLUMBIA

INTERPRETED PREFERRED VERTICAL SHEARS FIGURE 4
(BASED ON TOTAL DENSITY ISOGRADIENT)

BC 7470 : 63
MEAN PHOTO SCALE
1 : 20,000

RELATIVE TOTAL DENSITY ISOGRADIE

FIGURE 3



BC 7470 : 63
MEAN PHOTO SCALE
1 : 20,000

RELATIVE TOTAL DENSITY ISOGRADIENT

FIGURE 3

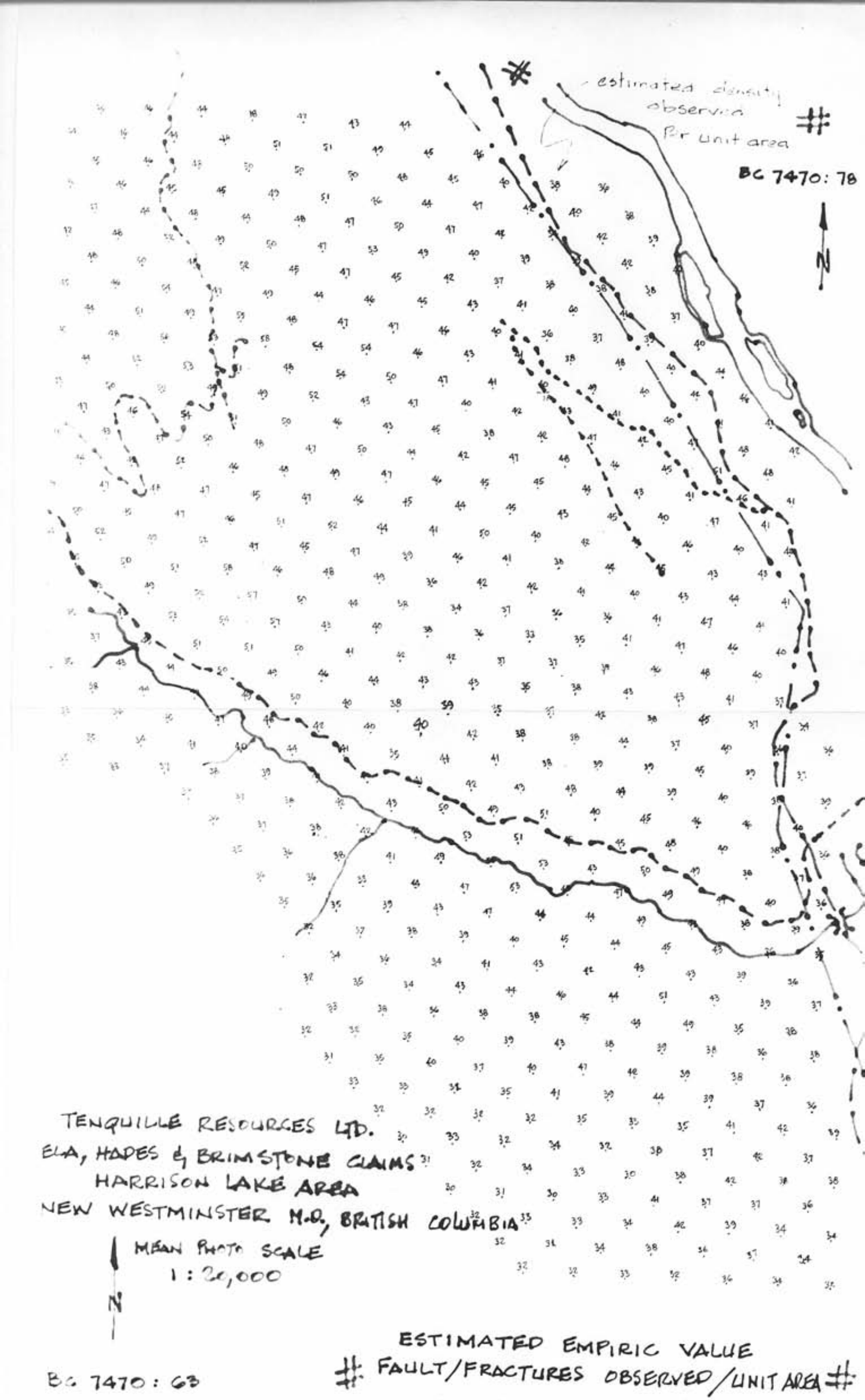
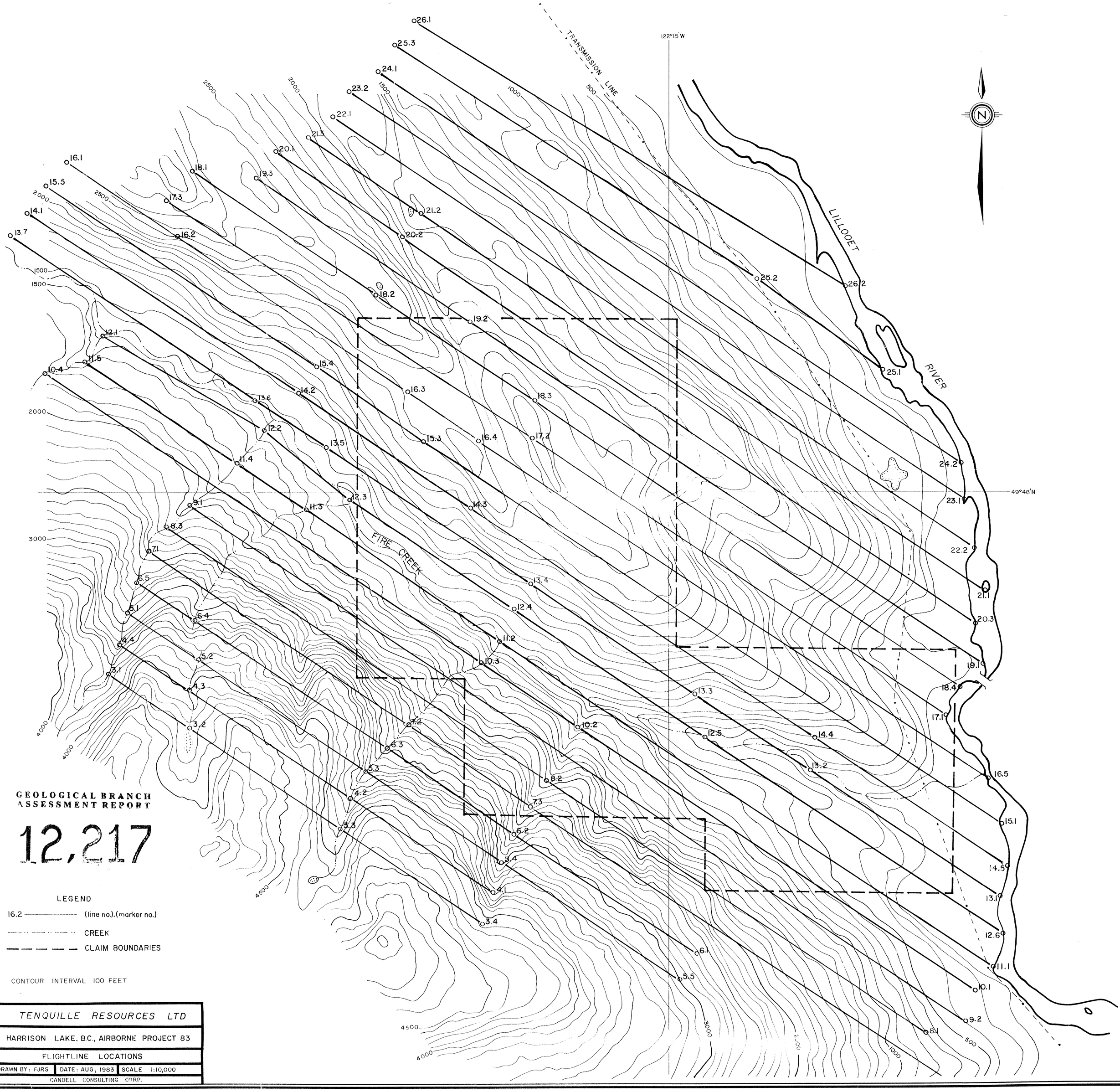

estimated density
observed
per unit area
BC 7470: 78
N
TENQUILLE RESOURCES LTD.
ELA, HADES & BRIMSTONE CLAIMS
HARRISON LAKE AREA
NEW WESTMINSTER M.D., BRITISH COLUMBIA
MEAN PHOTO SCALE
1 : 20,000
N
BC 7470 : 63
ESTIMATED EMPIRIC VALUE
FAULT/FRACTURES OBSERVED/UNIT AREA

FIGURE 2


TRANSMISSION LINE
122°15'W
LILLOOET RIVER
FIRE CREEK
49°48'N
N
GEOLOGICAL BRANCH
ASSESSMENT REPORT
12,217
LEGEND
16.2 (line no.).(marker no.)
CREEK
CLAIM BOUNDARIES
CONTOUR INTERVAL 100 FEET
TENQUILLE RESOURCES LTD
HARRISON LAKE, B.C., AIRBORNE PROJECT 83
FLIGHTLINE LOCATIONS
DRAWN BY: FJRS
DATE: AUG, 1983
SCALE 1:10,000
CANDELL CONSULTING CORP.

122° 15'

49° 48'

LILLOOET RIVER

Major magnetic linear.

Minor magnetic linear.

ANNAPOLIS
21.4 KHz

SEATTLE
24.8 KHz.

Contour interval: 50 gammas.

Magnetic depression

500 m. 0 500 m. 1 Km.

TENQUILLE RESOURCES LTD.

HARRISON LAKE., B.C. AIRBORNE PROJECT 83.

RELATIVE TOTAL MAGNETIC FIELD

Scale:	Date:	Drawn by:
1:10,000	August 83.	B.D.S.

CANDELL CONSULTING CORP.

Map 2

GEOLOGICAL BRANCH
ASSESSMENT REPORT

12,217

122° 15'

49° 48'

LILLOOET RIVER

30
30
35
40
45

SEATTLE 24.8 KHz.

N

LEGEND

5° Contour interval.
40° and less.
45° and above.
Claim boundary.
Road.

500m 0 1 Km

TENQUILLE RESOURCES LTD.

HARRISON LAKE, B.C.

AIRBORNE PROJECT '83

SEATTLE E.M. MAP

SCALE:	DATE:	MAP:	DRAWN BY:
1:10,000	Mar. 84	3	B. D. S.

CANDELL CONSULTING CORP.

122° 15'

49°48'

LILLOOET RIVER

ANNAPOLIS 21.4 KHz.

LEGEND

5°	Contour interval.
	60° and less.
	65° and above.
	Magnetic depression.
	Claim boundary.
	Road.

500 m 0 1 Km.

TENQUILLE RESOURCES LTD.

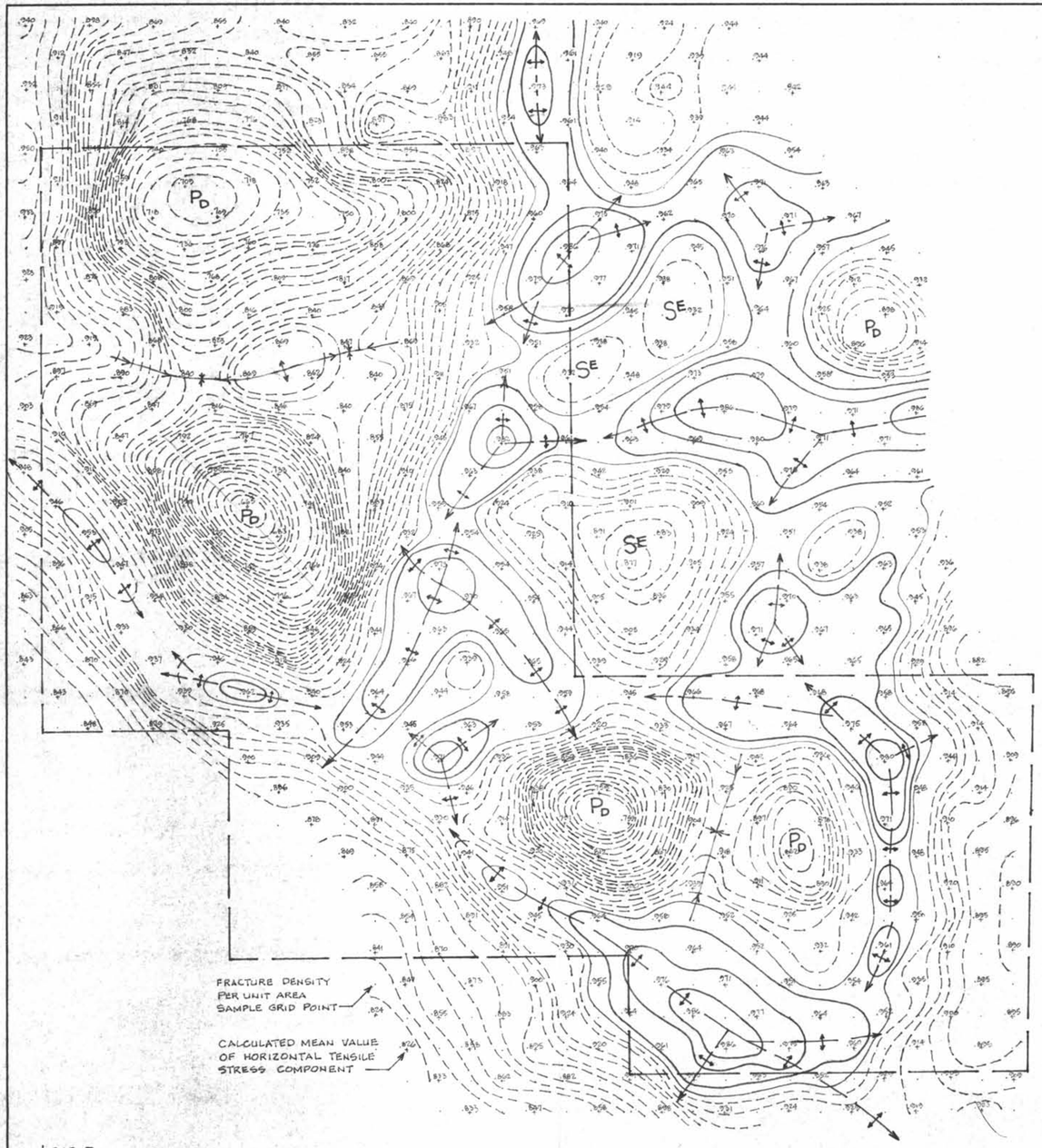
HARRISON LAKE, B.C.

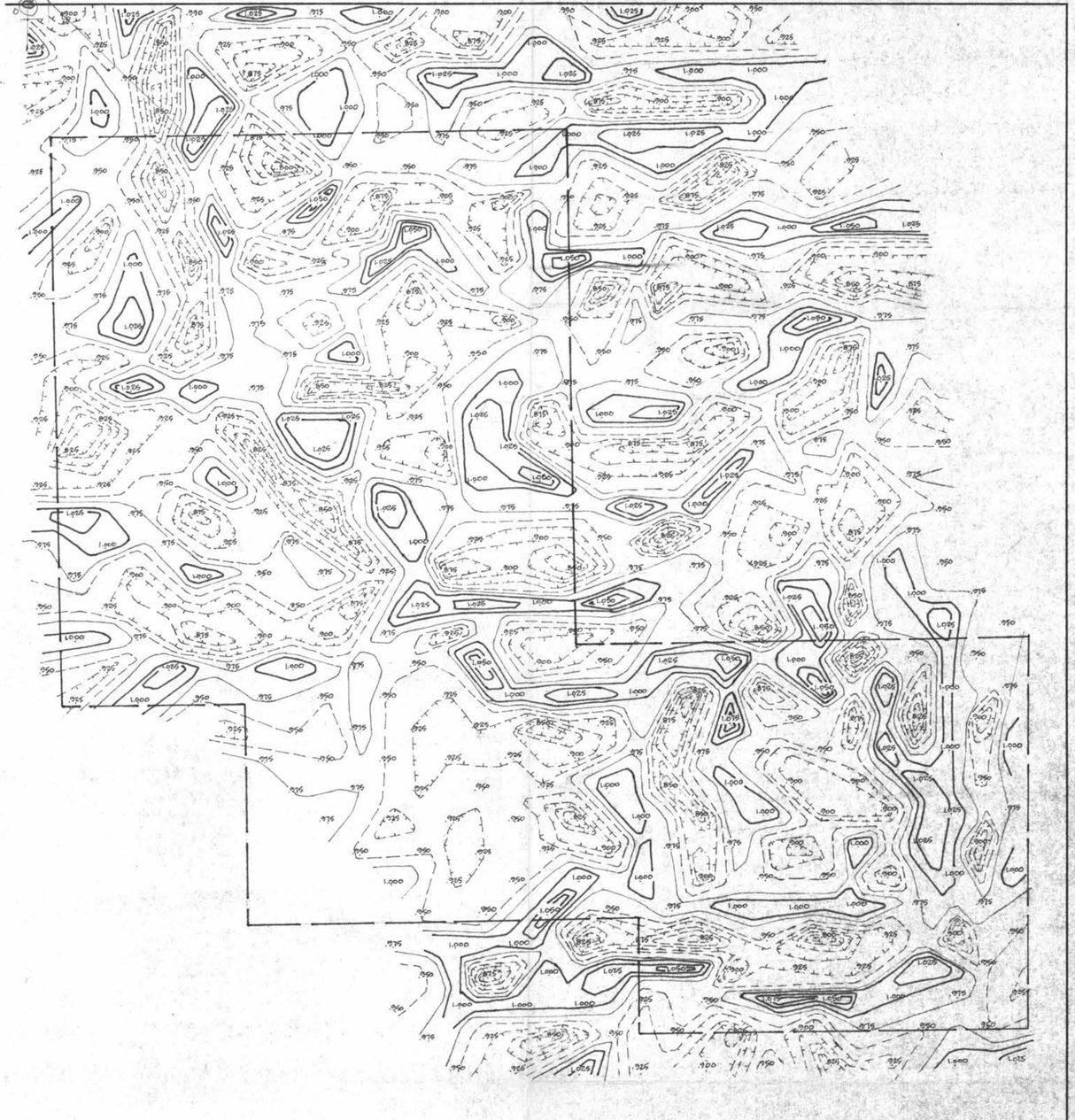
AIRBORNE PROJECT '83

ANNAPOLIS E.M. MAP

SCALE:	DATE:	MAP:	DRAWN BY:
1:10,000	Mar. 84.	4	B. D. S.

CANDELL CONSULTING CORP.





LEGEND

TENSION SHEAR ANOMALY (TYPICAL)

COEFFICIENT OF LATERAL TENSION: VERTICAL SHEAR PLANES ONLY

1.0 = MAXIMUM PROBABILITY OF A FAULT RUPTURE OCCURING TO STANDARD DEPTH OF CRUSTAL BLOCK

$\Delta t = 0$

0.900

$\Delta t = 0.100$

0.800

$\Delta t = 0.200$

Pd PRESSURE DOME

SE STRAIN ENVELOPE

COEFFICIENT OF LATERAL TENSION (.099)
HORIZONTAL TENSILE STRESS COMPONENT

PROBABLE TENSION SHEAR ANOMALIES

NOTE: THE STRESS COEFFICIENT ISOGRADIENTS ARE BASED UPON ESTIMATED DENSITY PER UNIT AREA OF FRACTURE/FAULTS INTERPRETED FROM B.C. AERIAL PHOTOS; B.C. 7470 63 & 78

TENQUILLE RESOURCES LTD.

EXPLORATION SURVEY OF THE
LELA ; HADES ; BRIMSTONE CLAIMS
FIRE CREEK - HARRISON LAKE AREA
NEW WESTMINSTER M.D., BRITISH COLUMBIA

COEFFICIENT OF RELATIVE BULK MODULUS
INDUCED DEFORMATION STRESS RESULTANT
GEOLOGICAL BRANCH
ASSESSMENT REPORT
2ND DERIVATIVE SURFACE TREND ANALYSIS

12,217

LELA, HADES & BRIMSTONE CLAIMS
HARRISON LAKE AREA, BRITISH COLUMBIA

SCALE: 1:10,000	APPROVED BY:	DRAWN BY D.A.C.
DATE: SEPT 83		REVISED

PHOTOGEOPHYSICAL STUDY FOR THE CANDELL CONSULTING CORP.

JC EXPLORATIONS INC. | DRAWING NUMBER 683:100