ASSESSMENT REPORT

on the

BURRELL PROPERTY

GREENWOOD MINING DIVISION

NTS 82E/8W and 82E/9W

49° 28′ North latitude
118° 22′ West longitude

DAVID COFFIN

JULY 1994

Province of British Columbia

Ministry of Energy, Mines and Petroleum Resources
GEOLOGICAL SURVEY BRANCH

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COMMODITIES SOUGHT GOLD

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN N/A

MINING DIVISION GREENWOOD NTS 82E 8W + 9W

LATITUDE 49 ° 28 ' " LONGITUDE 118 ° 22 ' " (at centre of work)

OWNER(S)

1) DAVID COFFIN & ERIC COFFIN (AS TO 75%) 2) STUART DAVIES (AS TO 25%)

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PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):

THE WESTERN SIDE OF THE PROPERTY IS UNDERLAIN BY (?) JURASSIC KNOB HILL GREENSTONE, PHYLLITE & SILTSTONE INTRUDED BY NELSON GRANITE +/- LADYBIRD GRANITE ON THE NORTH HALF, AND BY MARRON VOLCANICS INTRUDED BY CORYELL SYENITE + TRACHYTE ON THE SOUTH HALF. A SERIES OF NORTH TO NNE TRENDING, WEST DIPPING NORMAL FAULTS TRAVERSE THE CENTER OF THE PROPERTY. THE AREA EAST OF THE FAULTS IS LARGELY UNDERLAIN BY GRAND FORKS GNEISS

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS BOHME, D.M ASSESSMENT REPORTS ON THE OUTBACK CLAIMS A.R - 19,441 & 21,916, COFFIN D.J 1988, '89 AND '91 ASSESSMENT REPORTS ON THE BURRELL PROPERTY.

(OVER)

SUMMARY

The Burrell mineral property consists of 92 claim units totalling 2,300 hectares, located 50 km north of Grand Forks in British Columbia's southern interior region. The property was staked in 1987 and has been jointly owned and operated since then by Eric Coffin, Stu Davies and David Coffin.

The property encompasses an Eocene lithologic, structural and alteration regime which is analogous to that of the Republic mining camp located 70 km to the south in Washington State. Epithermal gold-silver mineralization at Republic is localized by faults developed in a graben of Eocene age; the fault forming the eastern boundary of the Republic graben continues north as the Granby fault and crosses through the Burrell property. At Republic, high grade veins consist of banded chalcedony with iron, copper and antimony sulphides, and various sulfosalts, selenides and adularia. The top of the systems are low grade stockworks and disseminated deposits which coalesce into well defined high grade veins at depth.

Initial programs at the Burrell property were directed at locating replacement and vein filling mineralization related to Jurassic intrusion of granodiorite into a Permian to Triassic volcano-sedimentary sequence, the model for mineral emplacement at the Franklin Camp 5 km to the north. Several small gold bearing showings were known in greenstone regionally mapped as part of the Permo-Triassic sequence. Preliminary traversing over the Tertiary Granby fault located large amounts of epithermal style alteration adjacent to the fault within an area believed to be Jurassic batholithic intrusion. After locating narrow veins with up to 2 g/t gold adjacent and parallel to the Tertiary fault in 1991, it was recognized that determining the relationships between the known mineral showings, and of the showings to alteration, was needed to prioritize further work.

During 1992 a program focused on the well exposed areas of dated Tertiary volcanics in newly staked claims to the south of the earlier work was successful in recognizing that remnants of the Eocene Marron volcanics sequence are extensive in the original property area (north of St. Annes Creek) and that they are the host for a large portion of the alteration previously found. The strike of the alteration zone along the main fault trend was also increased from about 1.5 km to 3.5 km.

The 1993 programs were used to test VLF-EM and magnetometer response across the main fault trend to the north of St. Annes Creek on 500 metre spaced profile lines, and to test soil geochemistry over selected portions of these lines. The program indicated that both VLF-EM and magnetometer surveys can be used to located the faults, and that a magnetometer survey can be used to differentiate some lithologies but that close sample spacing is needed for this purpose. The soil geochemistry indicated that analysis for selenium may aid future work, but that further detailing of the 1993 results should be done before committing resources to an 'epithermal suite' analysis of soil samples from a complete survey of the trend. A standard 32 trace element suite indicated an area of probable clay alteration with elevated base metal values along one profile (L5+00N) and of high nickel-chromium geochemistry with high magnetics response along a second (L5+00S), in addition to several base metal spot highs near suspected faults.

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1.1 INTRODUCTION

The Burrell property has been the subject of several exploration projects since 1987 to determine the potential for gold mineralization. This work indicated potential for and exitance of epithermal gold bearing mineralization spatially related to Eocene faulting. During 1993 VLF-EM and magnetometer profiles were run across the main fault trend at 500 metre intervals and soil samples collected along selected portions of these profiles to test their application. Maps which accompany this assessment report record new work only.

1.2 CLAIMS STATUS

The property consists of four perimeter staked mineral claims and twelve two-post claims located in the Greenwood Mining Division on mineral title maps 82E/8W and 82E/9W.

Name	Record No.	Units	Record Date	Title
Shorts	215060	20	28/09/87	S. Davies
Chewmi	215061	20	28/09/87	S. Davies
Annes 1-2	215979-80	2 x1	15/11/90	E. Coffin
Annes 3-4	215981-82	2 x1	15/11/90	D. Coffin
Dave's	306157	20	26/10/91	D. Coffin
Fault	306158	20	27/10/91	E. Coffin
Switchback 1-4	310238-41	4 x1	09/06/92	E. Coffin
Switchback 5-8	310242-45	4 x1	09/06/92	D. Coffin

1.3 LOCATION AND ACCESS

The property is located on Burrell Creek, 17 kilometres north of Burrell Creek's confluence with the Granby River and 50 km north of the town of Grand Forks, British Columbia. Grand Forks is located on the British Columbia/Washington State border in B. C.'s interior region and is the government, commercial and transport hub for the Boundary District. The Burrell property is reached from Grand Forks by following an all-weather asphalt road along the east side of Granby River for 46 km, crossing Burrell Creek just above its confluence with the Granby River and then continuing for a further 12 km on a main gravel road that follows the Creek. Fair weather roads traverse the southern and central portions of the property.

1.4 PHYSIOGRAPHY and LAND USE

Burrell Creek is a southerly flowing main tributary of the Granby River which is in turn a major tributary of the Kettle River portion of the Columbia River system; the Columbia River empties into the Pacific Ocean at the boundary of Washington and Oregon States of the U.S.A. St. Annes and Deadeye Creeks are westerly flowing tributaries of Burrell Creek which occupy steep walled, V-shaped valleys respectively cutting the central and southern portions of the property; northerly flowing Nicoll Creek and southerly flowing Knappen Creek drain the extreme northeastern and southern portions of the property.

The property underlies westerly facing slopes and ridge crests adjacent to Burrell Creek. Elevation varies from 780 metres ASL along Burrell Creek to 1,240 m ASL on the southeastern property boundary. Side-hills slope up to 42° over 500 metres but are usually between 15° and 30°; bench-like plateaus lying along northerly trending air-photo linears break the slopes in several places. The areas directly adjacent to Burrell Creek and at the outflows of St. Annes and Deadeye Creeks are flat and covered by considerable sections of pebble and cobble sized alluvial material. Rock outcrops are abundant on southerly facing slopes and along ridge crests but are otherwise fairly scarce.

The Burrell property underlies part of the western foothills portion of the Columbia Mountains Physiographic Region. Precipitation is moderate, falling largely as snow from October through April. Most of the property is covered by stands of pine, cedar and mixed spruce and poplar trees, largely regenerated after a fire about 35 years ago, while southerly facing slopes are usually open grass lands.

Small areas are active clear cut logging sites or in early stage regeneration and others have been selectively logged for cedar shake blocks. The area is also used to graze cattle.

2.1 REGIONAL GEOLOGY

The last regional mapping of the property area was by Little in 1957, for the GSC, at a scale of 1:253,440 and the last compilation which includes the property area was by Tempelman-Kluit (1989), also for the GSC, completed in 1986 at a scale of 1:250,000. Much of the dating during Little's mapping was based on similarities to rock which had been mapped in greater detail in the Greenwood area, 50 km to the southwest. Subsequent work in the Greenwood area by Little and others altered that region's stratigraphy of several layered series into discrete sections, and similar intrusive suites to separate Epochs based on new radiometric dating. The result of this is the inclusion of intrusive rock similar to that of property to Eocene time rather than Jurassic to Eocene and the re-dating of (?)preEocene layered rock from Permian to uncertain, but probable ?Jurassic and/or Eocene periods.

The oldest rocks in the region are late Proterozoic to (?)Jurassic volcano-sedimentary formations and altered equivalents which are divided into five assemblages for the Greenwood area by Little(1983). All of these have been intruded by a series of Jurassic and/or Cretaceous felsic to intermediate rocks of the Interior Batholith. Overlying all of the above are Eocene Kettle River detrital sediments and intermediate volcanics, in turn overlain and cut by Eocene Marron intermediate to felsic volcanics and nearly contemporaneous Coryell intrusives of generally felsic composition, which are in turn overlain by late basalt flows. Cutting all units except the late basalt are northerly trending coarse grained and porphyritic felsic dykes.

Little(1957) and previous regional mappers had assigned a Jurassic age to a sequence of granitic and granodioritic intrusions running northwards from the property for 50 km on the assumption that they were contemporaneous with the Nelson Batholith located east of the area. Subsequent work indicates that older portions of the suite in Greenwood are of Cretaceous age. Recent radiometric dating by Parrish and Carr at Ladybird Ridge, 50 km to the north of the property, indicates an age of 59 to 55 million years for granite to granodiorite which Little had called the Valhalla series and which he considered Jurassic post-Nelson in age. The series dated by Carr and Parrish, called the Ladybird granite suite, is similar in description to the Valhalla series mapped by Little in the property.

The Ladybird suite is described as "homogenous, biotite (+/- muscovite, +/- garnet) bearing leucocratic quartz monzonite to granite batholiths, stocks and pegmatites." (Carr, 1989). This suite, with the successive Averill monzonite/pyroxinite and the Coryell syenite suites form an Eocene intrusive complex for the area. Further work by Carr restricted movement on the Granby Fault to post-Coryell, or roughly 50 million years.

Layered rock located north of lower St. Annes Creek was mapped by Little(1957) as Permian-Triassic Anarchist greenstone, a usage which is discontinued in Little's 1983 Greenwood stratigraphy (although it is still used elsewhere). The 1983 stratigraphy also segregated a portion of the Permian Knob Hill Group, which had formerly been encompassed by the Anarchist Group, to a separate sequence of Jurassic greenstone, phyllite and siltstone/wacke (Map Units Jv, Jph, and Js) which may be related to the Rossland volcanics found east of the map area or the Nicola Group found to the west. Map Unit Jv is lithologically similar to the "Anarchist" units found on the property, and prior to the 1992 field work were assumed by Coffin to be related to it.

2.2 REGIONAL MINERAL DEPOSITS

Ore deposits in the region have been of two main types: copper-gold-silver skarns resulting from the alteration of Permo-Triassic limestone, generally related to intrusion of the Cretaceous granodioritic suite; or gold-silver in sulphide poor epithermal quartz veins within Eocene and older rocks adjacent to and within regional fault systems. Both deposit types have included producers with extensive mining histories.

The most notable of the skarn deposits are in the Greenwood camp, 7 km northwest of Grand Forks. The largest deposit group, which represents the bulk of regional skarn production, is the Phoenix mines which produced almost 27 million tonnes of ore at bulk recovered grades of 0.85% copper, 1.12 g/t gold and 7.1 g/t silver. Between 1900 and 1920 about 12.5 million tonnes of high grade ore, including fissure fillings within the skarn, were mined from underground stopes while most of the balance was recovered as lower grade ore from pits mined between 1959 and 1976. A second important skarn deposit group is the Mother Lode mines which produced about 4.25 million tonnes at bulk recovered grades of 0.82% copper, 1.27 g/t gold and 5.04 g/t silver during periods similar to those of the Phoenix camp. In both areas ore was developed as pyrite-chalcopyrite-magnetite bodies within garnet-epidote-chlorite alteration of Triassic Brooklyn Formation limestone; the Brooklyn Formation is in the upper portion of the unit mapped as Anarchist Group by Little (1957), but is not subject to latter re-dating. The above descriptions and re-worked figures are from Church (1986).

Eocene epithermal deposits are best represented by the Republic district located in Washington State, 20 km south of the Phoenix camp and 70 km south of the Burrell property. The deposits are developed within the Eocene aged Republic Graben; the fault bounding the east side of the Graben is a southern extension of the regional Granby fault which transects the Burrell property and localizes epithermal style alteration within it. To the end of 1987 the Republic district had produced about 4 million tonnes at grades of 19.1 g/t gold and 111 g/t silver; at the end of 1987 Hecla Mining Co.'s Golden Promise veins, which began new production that year, had a reserve base of 467,059 tonnes at 27.4 g/t gold and 64.1 g/t silver. Mineralization is found in fissure veins contained by the northeasterly trending main faults or subsidiary parallel structures dipping at moderate to steep angles. The veins consist of banded chalcedony and usually adularia with black stringers or bands which contain the gold and silver with minor copper and antimony sulphides, various sulfosalts and selenides, as well as pyrite, marcasite and fluorite. Near the top of the mineralizing systems lower grade stockworks and disseminated deposits are found which coalesce into well defined high grade veins at depth (Dayton, 1988).

A second Eocene epithermal deposit type is represented at Wenatchee, Washington, where deposits exist in strata bound alteration zones located within the Chiwaukum graben. Between 1949 and 1967 a total of 940 thousand tonnes at 13.6 g/t gold and 20.8 g/t silver were produced from the Lovitt Mine. In 1985 Asamera Minerals began production at the Cannon mine with a reserve base of about 4.8 million tonnes at grades of 7.34 g/t gold and 17 g/t silver. A mineral assemblage similar to that at Republic formed in a developing arkosic sandstone which acted as lateral aquifers for hydrothermal fluids. The alteration is zoned outward from a core of silica breccia and flooding to argillization and then broadly propylitic areas (Margolis, 1989).

Recent work on epithermal targets in the Burrell area has lead to the discovery by INCO Ltd. of the Outback property 20 km northwest of Burrell property. Reporting of mapping and drilling during 1989-91 indicate that values up to 14.5 g/t gold over 2.5 metres were obtained from drusey quartz veining associated with a late quartz-feldspar porphyry and associated alteration which is similar to that of the northern Chile porphyry belt (Bohme, 1991), and describes the Outback as lying along the western edge of the Republic graben's fault system. Five kilometres north of the Burrell property is the Franklin mining camp. Mineralization similar to that described above was found here in 1896. Numerous small bodies of skarn and fissure vein deposition containing pyrite, chalcopyrite, galena, sphalerite and gold-silver mineralization where found. The most significant operation, the Union, mined 171,000 tonnes of ore averaging 14 g/t gold, 340 g/t silver and varying amounts of zinc, lead and copper from an easterly trending (080/V) fissure vein cutting Anarchist units proximal to the granodiorite intrusive. The Union deposit has been assumed to be of the same (historically Jurassic) age as that which formed the skarns in the Greenwood camp, but the granodiorite is now considered of uncertain but possible Eocene age. As well, the fissure which hosts the Union deposit is normal to, and located at a flexure in, the Granby regional fault. In the Greenwood camp several fissure veins of this sort have been mined, the most important being the Jewel Lake from which over 120,000 tonnes has been extracted at bulk recovered grades of 9.9 g/t gold, 58 g/t silver, 0.13% lead and minor zinc. The Jewel Lake vein, which is the north end of the Greenwood camp, cuts the youngest of the Cretaceous plutons and younger dykes and may therefor be part of the Eocene epithermal systems.

Recent work at Franklin camp has also included the investigation of the early Tertiary "Averill" mafic intrusives for platinum group elements (PGE) deposition. Platinum is found in the augite or biotite rich core of small, northwesterly trending, zoned, mafic-rich monzonite plugs. The PGE are associated with chalcopyrite and iron sulphides, but have not been found in economic concentrations.

2.3 PROPERTY HISTORY

The property area was prospected in the early part of this century when the Franklin Camp was active; no mineralization was reported east of Burrell Creek, but a number of occurrences were staked in greenstone west of the Creek.

During 1973 and 1974, the east side of Burrell Creek was opened by logging roads. Prospecting at this time by Walter Buller discovered three areas of mineralization on which he staked small claim blocks.

The Shorts and Chewmi claims were staked in September of 1987. In May and June of 1988 a preliminary program was conducted to locate Buller's showings, and to assess the geochemistry of the property and its potential for further work. Two of Buller's showings, WSW and Burr, were located and sampled. Soil geochemistry was tested with a small suite of samples at the Burr showing.

In 1989 a small north-south trending grid was emplaced in the area of the WSW showing and used to conduct VLF-EM and magnetometer surveys and soil samples collected over several anomalous responses. The Annes 1-4 claims were staked in 1990 to cover extensions of the anomalies. During reconnaissance traverses the northerly trending Ridge alteration zone was discovered, as was similar alteration adjacent to northerly and northeasterly trending faults seen along St. Annes Creek. The base line was extended to cross the Ridge alteration and geophysical profiles obtained.

In 1991 the grid was expanded and infill lines added. New VLF-EM data was collected and further mapping conducted. The Zap showing was discovered during this work. The Ridge Veins were discovered adjacent to the alteration zone, and the LJ showing re-located. Soils were collected to box a spot high from the '89, results and to provide an east-west profile over the Ridge alteration. The Dave's and Fault claims were staked in late 1991 to cover the extension of the main fault trend, during which time the Switchback zone was discovered.

During 1992 traverses were carried out to compare exposures of rock in the southern part of the property which has been dated as Eocene by regional mappers, with exposures of uncertain age in the northern part of the property. Traverses were also done across and along the trend of the Burrell fault in the northern half of the property to determine the extent of the alteration. As a result of this work several new lithologies were recognized and a better understanding of the sequence of emplacement gained.

3.1 1993 EXPLORATION

Due to poor exposure in many parts of the northern half of the property, it was decided that geophysical surveys on broadly spaced profile lines should be tested as tools for locating fault extensions. East-west profile lines were emplaced using compass and hipchain at 500 metre intervals from 10+00S to 20+00N; the existing baseline (L0+00N) was re-furbished and used for the survey as well. Stations were flagged in at 20 metre intervals for the geophysical surveys. The lines 5+00S and 10+00S were begun at 4+00E and 3+00E respectively and run east until they reached the peak of the ridge, east of the main fault trend. Lines north of the baseline all have their western origin on the Burrell Creek Main logging road, at locations chosen from the 1:20,000 TRIM base-map. All lines were run east until they were well east of the interpreted main fault trend. In all, 7.1 kilometres of new grid was emplaced, and 1.2 km of the original baseline (0+00N) re-furbished.

3.2 VLF-EM SURVEY

The VLF-EM survey was undertaken using a Scintrex SE-80 receiver. The SE-80 is a fully tunable receiver designed to pick up a wide variety of transmitters. The instrument is tuned using a gross tuning selector to choose a frequency range which would encompass the frequency of the chosen transmitter. A fine tuning dial is then used to maximize the given transmitter's signal. There is no frequency read-out per se, but the setting can be interpolated with some accuracy by using the fine dial (turns left or right to the minimum or maximum setting within the gross frequency range). For this survey, the receiver was tuned to receive signals from the Seattle USN installation, station NLK which transmits at a frequency of 24.8 Kh.

3.3 MAGNETOMETER SURVEY

The magnetometer survey was done using a GEM Systems 'GSM-8' proton precession instrument using a sensor mounted on a 1.8 high staff and a console powered by an internal, re-chargeable NiCd battery. The GSM-8 reads the Earth's total magnetic field and uses an LCD (digital) display with a 1 gamma precision which can indicate either single or repeated readings. Reading times were taken using wrist watch set to local time. All readings were recorded in a notebook.

A point about 2 metres from the Legal Corner Post of the Dave's claim was established as the base point for the survey in order to correct for diurnal variation. As the survey progressed, stations with established readings were also resurveyed in order to check variations during a given survey day. Since the variations recorded during the survey were less than 20 gammas no corrections have been made. The lines were surveyed at 20 metres stations, with intermediate points included when a variation of greater than 100 gammas was indicated, or when a specific feature such as a dyke was crossed.

Results of field readings and histograms of point-to-point variations are presented as line profiles on Figures 6 and 7.

3.4 SOIL GEOCHEMISTRY

Samples of B horizon soil were collected from about 5 cm below the base of the A horizon, typically 15-20 cm below surface. Where a leached layer was found below the A at some higher elevation sites, samples where from 25-35 cm depth; on lower portions of line 5+00S B horizon was poorly developed or absent and material was collected from shallow C horizon material. Samples were collected at 30 metre intervals along profiles centred on conductors indicated by the VLF-EM and/or geological features.

The samples were analyzed by Acme Analytical Laboratories of East Hastings St, Vancouver. A portion of the -80 mesh fraction was analyzed for a standard 32 element 'trace element' suite (which includes thallium and mercury) by ICP spectrometer, for gold by atomic absorption, and for a 6 element 'epithermal suite' consisting of arsenic, antimony, bismuth, germanium, selenium and tellurium by ICP.

Details of the analytical preparations are found on the report sheets in the Appendix.

4.1 RESULTS

In general the VLF-EM results were very 'noisy', displaying sharp contrasts in dip angle response along short intervals which were accompanied by more muted variations in field strength readings. The survey was done during an unusually wet year and during a period of intermittent electrical storms, both of which may have added to the noise. The strongest dip angle (conductive) responses were over the traces of the main fault and several mapped splay faults, and these were usually accompanied by relatively large increases in field strength. Broader field strength highs were also recorded over Eocene volcanics on lines 5+00S and 15+00N. Fraser-filtering of the dip angle results (presented as profiles because of the broad line spacings) does clean up the noise and appears to indicate several trends, including the main fault trend, which may be recognizable in a detailed survey.

The magnetometer survey indicates the known fault trends as double-peaked highs with an intermediate low that may fall below the local background; where alteration is present east of the (west dipping) main fault on L10+00S and 5+00E a sharp low is followed by a gradual increase in values. This contrasts with the response over the narrow felsic dykes crossed on L10+00S (at 8+60E & 9+72E) which are indicated by sharp single-peaked highs.

The magnetometer results indicate the gneiss unit on the eastern most sections of the lines by relatively high readings which display great variation over short distances; the end of L10+00S, where the survey stops at the top of a 50-80 metre high cliff face, variations of 30+ gammas per metre where recorded (and double checked several times). There is no obvious mineral or textural change in the make up gneiss that accounts for these rapid changes but they do appear to be representative of the unit. Distinguishing the various parts of the volcanics sequence from intrusive units is more problematic. The older granodiorite intrusive on L5+00N displays only small point-to-point variations, and the late mafics-poor granite to quartz-feldspar intrusives on L15+00N and L10+00S display weak magnetic lows, and a more detailed survey may be able to indicate contacts for these units. A detailed survey which allowed for the filtering variations related to fault and late dyke trends might also aid in recognizing unit contacts.

Results of the 'epithermal suite' geochemistry analysis did not produce significant variations for germanium or tellurium. The highest selenium results of 0.7 and 0.5 ppm were returned from stations 9+50E and 9+80E respectively on L15+00N, which are contrasted with a background of 0.2-0.3 ppm for the element. This section is overlies a possible fault in an area of angular quartz-feldspar fragments and is down slope of highs for Zn, Cu, Ag, Mn and the only, very strong, point highs of 25 ppm for uranium and 564 ppm for lanthanum. A single strong return of 3.3 ppm bismuth, from a background of about 0.5 ppm, is recorded from L5+00S/7+10E and is accompanied by higher Zn and Mn values, near an interpreted fault. Higher bismuth values of 0.9-1.2 ppm are accompanied by higher arsenic and antimony values and single highs for Cu, Pb, Zn and Cd on L5+00S from 11+00E to 12+20E, a section which includes a number of trachyte outcrops, and up slope of a strong Ni high (see below).

In addition to the sections noted above for the 'epithermal suite' analysis, results from the 32 element trace package indicated a number of copper, lead, zinc point highs. Two broader anomalies are of particular note. On L5+00N between 8+90E and 12+50E is a section of strongly anomalous strontium results are accompanied by some higher copper, barium, zinc, lead and lanthanum results along the section with the smallest magnetics contrast of that survey, and in an area of poorly drained soils (with thick 'swamp' ceder) but deeply incised creeks; considering all of the above noted factors in an outcrop poor area, an area of clay alteration of some 300 metres east-west dimension is indicated. The second broad anomaly is on line 5+00S, where strongly anomalous nickel and chromium results were returned between 9+00E and 10+70E along the section with the highest magnetics response away from the gneiss unit; no outcrop was noted along this section but angular fragments of a dark green igneous unit were noted in several of the sample sites.

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4.3 AUTHORS QUALIFICATIONS

Haileybury School of Mines, Ontario, department of Mining Technology, from 1975 to 1977. Subsequent to that I have completed university courses in geography and economics, and several short courses and seminars dealing with geochemistry and Cordilleran geology and mineral deposits.

Since 1974 I have worked at a variety of jobs in the Canadian mineral exploration field, including regional and detailed prospecting, detailed geological mapping, core logging, property management and program development.

My experience has included: three years with Canada Tungsten Mining Corp Ltd. on the early phases of the Dublin Gulch, Yukon tungsten skarn and gold vein program; two years with SEREM Ltd on the preliminary underground phase of the Lawyers Creek gold-silver veins mine; and a total of four years conducting reconnaissance and preliminary property work on Tertiary epithermal deposits in southern B.C. for Kerr Addison Mines Ltd and for MineQuest Exploration Consultants Ltd.

Since 1986 I have been a self employed exploration consultant and partner in the firm of Vanguard Consulting Ltd. Much of the work involved contract and sub-contract supervision of early stage exploration programs for small mining companies, largely for vein type gold deposits in coastal and interior B.C.

I have held a direct interest in the Burrell Property from its inception and have conducted or supervised all of the work completed to date.

Appendix A

COST BREAKDOWN

June 30 - July 9

D. Coffin, 10 days @ $325.00	$ 3,250.00
E. Coffin, 10 days @ $225.00	2,250.00

September 9 - 22

D. Coffin, 14 days @ $325.00	$ 4,550.00

October 6 - 15

D. Coffin, 10 days @ $325.00	3,250.00

October 24-25 (remainder will be used for 1994 filing)

D. Coffin, 2 days @ $325.00	650.00
Subtotal	$ 13.300.00

Expenses:

Analytical Costs	$ 1,578.85
Base Maps	40.99
Field Supplies	609.81
Groceries, meals and Accommodations	737.00
Office supplies, Long Distance Charges	144.94
Vehicle rentals and fuel	1,586.56

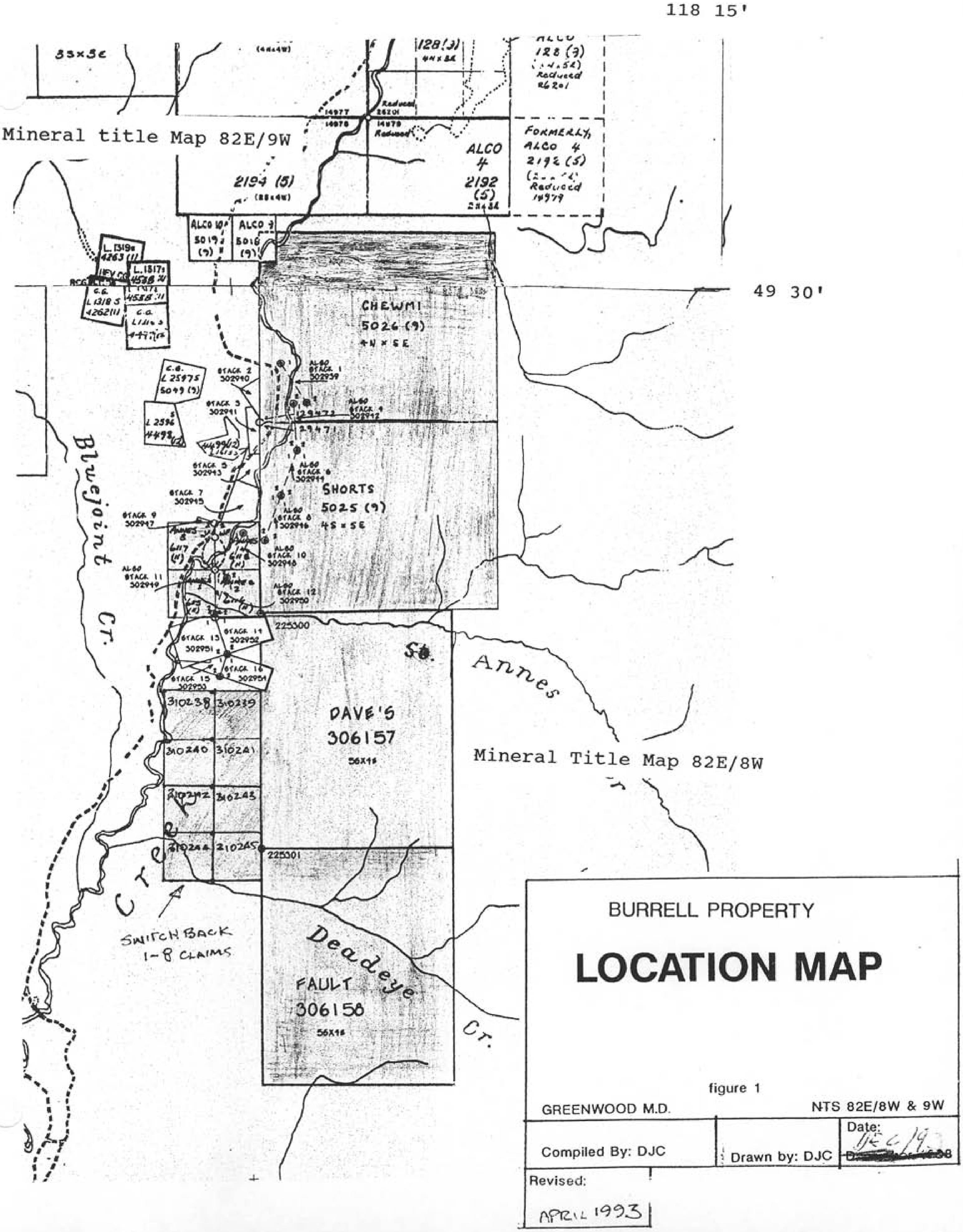
TOTAL COSTS: **$ 17,797.35**

ADD: PAC Withdrawal 3,602.65

TOTAL APPLICABLE COSTS: $ 21,600.00

APPLIED TO:		
	DAVE'S	4,000.00
	FAULT	4,000.00
	CHEWMI	4,000.00
	SHORTS	8,000.00
	ANNES 1-4	800.00
	SWITCHBACK 1-8	800.00

Appendix B - Figures 1-2

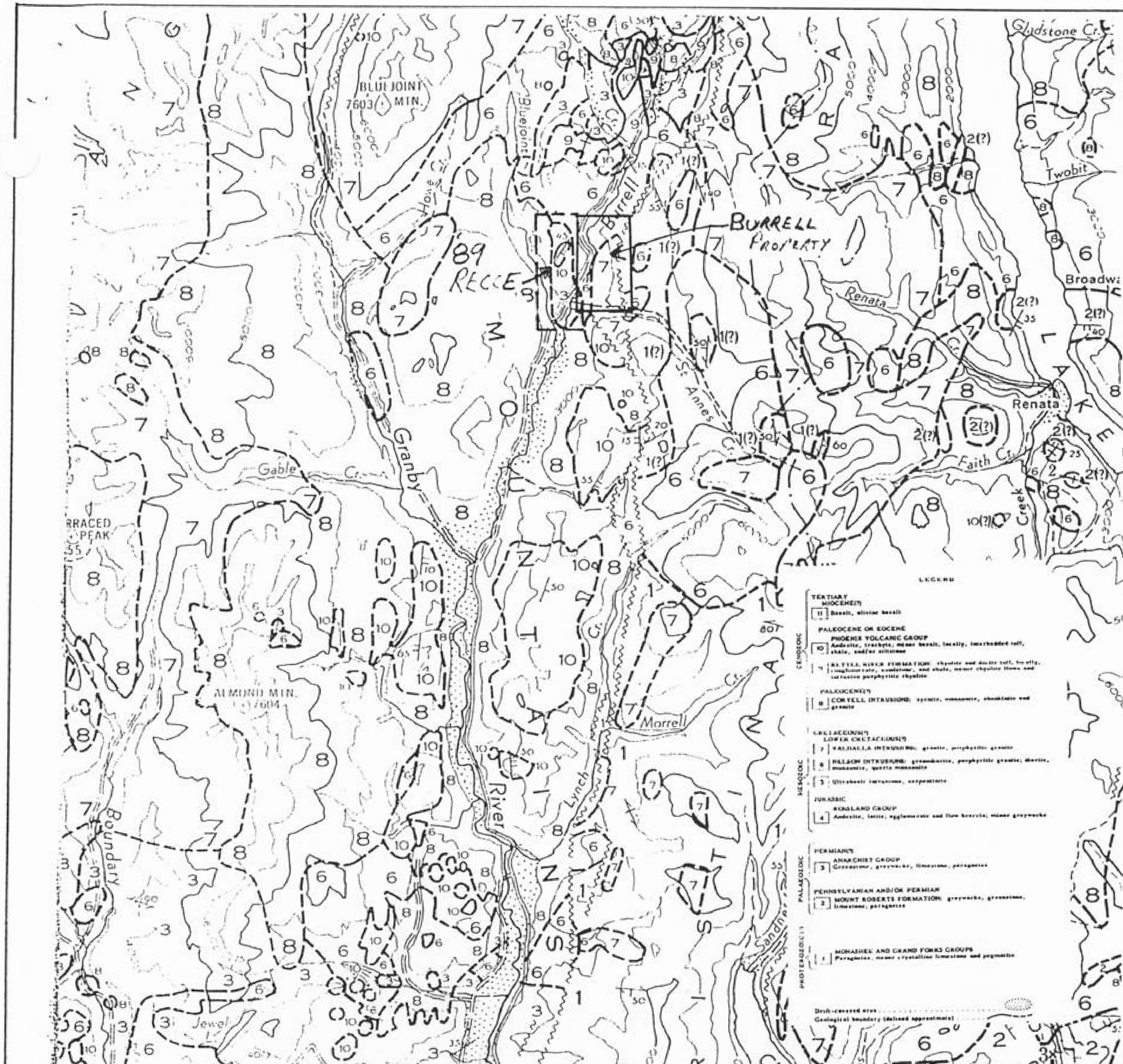


BURRELL PROPERTY

LOCATION MAP

figure 1

GREENWOOD M.D.		NTS 82E/8W & 9W
Compiled By: DJC	Drawn by: DJC	Date: DEC/92
Revised: APRIL 1993		



BURRELL PROPERTY

REGIONAL GEOLOGY

FROM GSC MAP 6-1957.
LITTLE.

GREENWOOD M.D.	figure 2	NTS 82E/8W & 9W
		Date:
Compiled By: DJC	Drawn by:	December 1988
Revised:	SCALE 1:253,440	

Appendix C - VLF-EM Readings

BURRELL JULY, 1993
FILTERED AND UNFILTERED VLF READINGS
STATION: SEATTLE, WA.

LINE 10+00 S

STATION	RAW	FILTERED	VERTICAL FIELD
300 E	-6		8
320 E	5	24	5
340 E	-7	35	7
360 E	-18	2	8
380 E	-19	-21	5
400 E	-8	5	4
420 E	-8	32	6
440 E	-24	18	7
460 E	-24	-1	7
480 E	-26	-2	10
500 E	-21	10	19
520 E	-27	-11	19
540 E	-30	-32	20
560 E	-7	-16	27
580 E	-18	-28	24
600 E	-3	-31	26
620 E	6	-3	20
640 E	4	16	26
660 E	2	25	17
680 E	-8	13	10
700 E	-11	4	6
720 E	-8	9	10
740 E	-15	-20	10
760 E	-13	-60	10
780 E	10	-24	3
800 E	22	39	8
820 E	-1	12	6
840 E	-6	-17	8
860 E	15	26	14
880 E	-5	38	10
900 E	-12	12	10
920 E	-16	1	16
940 E	-13	7	14
960 E	-16	-2	14
980 E	-20	-13	14
1000 E	-7	7	14
1020 E	-16	18	11
1040 E	-18	3	6
1060 E	-23	-34	8
1080 E	-14	-29	8
1100 E	7	10	8
1120 E	-15	2	2
1140 E	-2	-21	2
1160 E	-8	5	6
1180 E	12	71	16
1200 E	-27	61	24

BURRELL JULY, 1993
FILTERED AND UNFILTERED VLF READINGS
STATION: SEATTLE, WA.

LINE 10+00 S

STATION	RAW	FILTERED	VERTICAL FIELD	:
1220 E	-40	-7	48	:
1240 E	-36	-37	33	:
1260 E	-24	-16	21	:
1280 E	-10	17	8	:
1300 E	-15	-5	6	:
1320 E	-29	-38	5	:
1340 E	-27	-23	6	:
1360 E	-12	1	5	:
1380 E	-6	9	5	:
1400 E	-10	15	4	:
1420 E	-9	10	8	:
1440 E	-16	-15	6	:
1460 E	-18	-17	5	:
1480 E	-17	0	6	:
1500 E	-2	-10	12	:
1520 E	-16	4	13	:
1540 E	-3		13	:
1560 E	-9	3	7	:
1580 E	-3	-10	9	
1600 E	-9		25	

BURRELL JULY, 1993
FILTERED AND UNFILTERED VLF READINGS
STATION: SEATTLE, WA.

LINE 0+00 LINE 5+00 S

STATION	RAW	FILTERED	VERTICAL FIELD	STATION	RAW	FILTERED	
400 E	1		8	400 E	-34		33
420 E	-4	5	8	420 E	-33	-36	31
440 E	0	15	7	440 E	-10	-4	39
460 E	-8	11	13	460 E	-21	-38	36
480 E	-11	-23	3	480 E	-18	-71	28
500 E	-8	-26	6	500 E	25	7	23
520 E	12	6	10	520 E	7	40	19
540 E	-5	-14	2	540 E	-7	-8	15
560 E	3	-27	7	560 E	-1	-33	18
580 E	18	40	12	580 E	9	-11	14
600 E	7	56	10	600 E	16	9	10
620 E	-26	-16	16	620 E	3	8	12
640 E	-5	-37	16	640 E	13	27	10
660 E	2	-27	18	660 E	-2	3	14
680 E	4	-25	18	680 E	-9	-41	20
700 E	20	8	12	700 E	17	-8	28
720 E	11	19	20	720 E	13	29	28
740 E	5	7	16	740 E	3	-1	24
760 E	7	15	19	760 E	-2	-20	21
780 E	2	21	18	780 E	19	5	14
800 E	-5	8	16	800 E	2	-4	15
820 E	-7	-17	17	820 E	10	1	12
840 E	-4	-37	18	840 E	15	22	18
860 E	9	-20	20	860 E	-4	-24	23
880 E	17	13	22	880 E	7	-46	21
900 E	8	2	18	900 E	28	5	23
920 E	5	-31	13	920 E	21	24	28
940 E	18	-36	17	940 E	9	26	28
960 E	26	23	24	960 E	16	56	34
980 E	33	84	17	980 E	-12	3	34
1000 E	-12	23	9	1000 E	-19	-75	35
1020 E	-13	-19	8	1020 E	20	-37	34
1040 E	11	-1	6	1040 E	24	16	30
1060 E	-17	-45	19	1060 E	14	17	28
1080 E	16	-10	14	1080 E	14	26	24
1100 E	23	42	20	1100 E	7	32	24
1120 E	-14	-15	19	1120 E	-5	9	26
1140 E	11	-46	24	1140 E	-6	3	20
1160 E	13	-17	22	1160 E	-1	11	16
1180 E	30	23	25	1180 E	-13	-5	10
1200 E	11	4	27	1200 E	-5	-21	10
1220 E	9	-35	27	1220 E	-4	-29	16
1240 E	28	-9	30	1240 E	7	-10	13
1260 E	27	21	26	1260 E	13	34	10
1280 E	19	19	30	1280 E	0	36	2
1300 E	15	10	25	1300 E	-14	1	12

BURRELL JULY, 1993
FILTERED AND UNFILTERED VLF READINGS
STATION: SEATTLE, WA.

LINE 0+00 LINE 5+00 S

STATION	RAW	FILTERED	VERTICAL FIELD	STATION	RAW	FILTERED	
1320 E	12	-2	17	1320 E	-9	-13	10
1340 E	12	-13	22	1340 E	-6	-7	8
1360 E	17	-16	18	1360 E	-4	8	2
1380 E	20	4	15	1380 E	-4	9	11
1400 E	25	29	17	1400 E	-14	-9	6
1420 E	8	5	22	1420 E	-3	6	4
1440 E	8	-10	13	1440 E	-6	39	2
1460 E	20	26	10	1460 E	-17	16	5
1480 E	6	21	4	1480 E	-31	-60	12
1500 E	-4	-7	8	1500 E	-8	-59	11
1520 E	9	12	4	1520 E	20	1	6
1540 E		20		1540 E	0	7	11
1560 E	-7	-2	2	1560 E	11	36	14
1580 E	-4	-1	2	1580 E	2		6
1600 E	-1	3	1	1600 E	-27		5
1620 E	-9	-13	2				
1640 E	1		3				
1660 E	2		2				

BURRELL JULY 1993
UNFILTERED AND FILTERED VLF READINGS
STATION: SEATTLE, WA.

LINE 10+00 N LINE 5+00 N

STATION	RAW	FILTERED	VERTICAL FIELD	STATION	RAW	FILTERED	VERTICAL FIELD
580 E	-6		5	520 E	-2		23
600 E	-26	-19	4	540 E	2	-23	35
620 E	-4	-18	14	560 E	8	-6	32
640 E	-9	-1	15	580 E	15	18	24
660 E	-3	12	4	600 E	1	-4	24
680 E	-9	18	8	620 E	4	-22	24
700 E	-15	8	8	640 E	16	-14	31
720 E	-15	-4	19	660 E	11	-11	33
740 E	-17	-25	24	680 E	23	3	35
760 E	-9	-34	19	700 E	15	2	23
780 E	2	-20	28	720 E	16	-3	28
800 E	6	-5	29	740 E	20	-2	24
820 E	7	0	20	760 E	14	-4	22
840 E	6	0	23	780 E	24	2	24
860 E	7	5	29	800 E	14	-8	24
880 E	6	6	28	820 E	22	-9	28
900 E	2	18	17	840 E	24	20	28
920 E	5	31	23	860 E	21	46	32
940 E	-15	4	23	880 E	5	19	20
960 E	-9	-3	18	900 E	-6	-32	24
980 E	-5	-2	28	920 E	13	-33	31
1000 E	-16	-2	16	940 E	18	3	34
1020 E	4	39	23	960 E	22	16	36
1040 E	-23	25	30	980 E	6	-1	32
1060 E	-28	-52	31	1000 E	18	10	24
1080 E	-16	-75	30	1020 E	11	34	21
1100 E	17	-13	28	1040 E	3	34	14
1120 E	14	33	30	1060 E	-8	19	13
1140 E	0	31	16	1080 E	-12	-4	13
1160 E	-2	33	14	1100 E	-12	-25	26
1180 E	-15	-25	8	1120 E	-4	-37	24
1200 E	-20	-46	6	1140 E	5	-47	20
1220 E	28	1	5	1160 E	16	-26	22
1240 E	-17	-43	16	1180 E	32	46	34
1260 E	24	4	18	1200 E	15	86	39
1280 E	30	73	22	1220 E	-13	-1	34
1300 E	-27	-23	14	1240 E	-26	-84	34
1320 E	8	-44	8	1260 E	29	-19	19
1340 E	18	27	6	1280 E	16	59	26
1360 E	7	37	1	1300 E	6	22	16
1380 E	-8	23	2	1320 E	-20	-50	24
1400 E	-4	-4	6	1340 E	20	-2	24
1420 E	-20	-34	8	1360 E	16	57	24
1440 E	12	-11	15	1380 E	-14		10
1460 E	-2	-13	14	1400 E	-7		20
1480 E	5	-17	19				
1500 E	18	19	20				
1520 E	2	16	28				
1540 E	2	4	16				

BURRELL JULY 1993
UNFILTERED AND FILTERED VLF READINGS
STATION: SEATTLE, WA.

LINE 10+00 N | LINE 5+00 N

STATION	RAW	FILTERED	VERTICAL FIELD	STATION	RAW	FILTERED	VERTICAL FIELD
1560 E	2	9	18				
1580 E	-2	7	14				
1600 E	-3	9	16				
1620 E	-4	17	20				
1640 E	-10	18	20				
1660 E	-14		20				
1680 E	-18		18				

BURRELL JULY 1993
UNFILTERED AND FILTERED VLF READINGS
STATION: SEATTLE, WA.

LINE 20+00 N LINE 15+00 N

STATION	RAW	FILTERED	VERTICAL FIELD	:	STATION	RAW	FILTERED	VERTICAL FIELD	:
440 E	12		N\A	:	640 E	-15		4	:
460 E	11	-12	N\A	:	660 E	-16	0	12	:
480 E	16	-3	N\A	:	680 E	-10	-2	14	:
500 E	19	9	N\A	:	700 E	-21	-36	7	:
520 E	11	7	N\A	:	720 E	-3	-22	16	:
540 E	15	13	N\A	:	740 E	8	20	8	:
560 E	8	9	N\A	:	760 E	-10	14	10	:
580 E	5	-10	N\A	:	780 E	-5	3	9	:
600 E	9	-2	N\A	:	800 E	-11	3	12	:
620 E	14	10	N\A	:	820 E	-7	4	8	:
640 E	2	0	N\A	:	840 E	-12	0	3	:
660 E	11	-1	N\A	:	860 E	-10	-10	3	:
680 E	5	-3	N\A	:	880 E	-9	-13	5	:
700 E	9	7	N\A	:	900 E	-3	12	8	:
720 E	10	34	N\A	:	920 E	-3	17	7	:
740 E	-3	43	N\A	:	940 E	-21	-38	12	:
760 E	-12	16	N\A	:	960 E	-2	-59	19	:
780 E	-24	-13	N\A	:	980 E	16	-28	23	:
800 E	-7	12	N\A	:	1000 E	20	38	23	:
820 E	-16	7	N\A	:	1020 E	22	49	28	:
840 E	-27	-42	N\A	:	1040 E	-24	-26	36	:
860 E	-3	-31	N\A	:	1060 E	17	-26	24	:
880 E	2	6	N\A	:	1080 E	7	10	14	:
900 E	-1	9	N\A	:	1100 E	12	-11	15	:
920 E	-6	5	N\A	:	1120 E	2	-18	9	:
940 E	-2	-5	N\A	:	1140 E	28	22	20	:
960 E	-10	-32	N\A	:	1160 E	4	19	23	:
980 E	7	-7	N\A	:	1180 E	4	24	18	:
1000 E	13	22	N\A	:	1200 E	9	34	21	:
1020 E	-9	-15	N\A	:	1220 E	-25	-40	22	:
1040 E	7	-17	N\A	:	1240 E	4	-57	29	:
1060 E	12	21	N\A	:	1260 E	20	-5	26	:
1080 E	3	17	N\A	:	1280 E	16	19	31	:
1100 E	-5	-22	N\A	:	1300 E	13	16	32	:
1120 E	3	-30	N\A	:	1320 E	4	0	26	:
1140 E	17	9	N\A	:	1340 E	9	-5	34	:
1160 E	11	17	N\A	:	1360 E	8	2	23	:
1180 E	0	-3	N\A	:	1380 E	10	-19	23	:
1200 E	11	9	N\A	:	1400 E	5	-36	23	:
1220 E	3	11	N\A	:	1420 E	32	30	15	:
1240 E	-1	-3	N\A	:	1440 E	19	98	12	:
1260 E	4	-6	N\A	:	1460 E	-12	54	1	:
1280 E	1	-6	N\A	:	1480 E	-35	-12	12	:
1300 E	8	3	N\A	:	1500 E	-12	-24	4	:
1320 E	3	15	N\A	:	1520 E	-23	-31	3	:
1340 E	3	3	N\A	:	1540 E	0	-15	0	:
1360 E	-7	-22	N\A	:	1560 E	-4	1	0	:
1380 E	10	-9	N\A	:	1580 E	-4	1	0	:

BURRELL JULY 1993
UNFILTERED AND FILTERED VLF READINGS
STATION: SEATTLE, WA.

LINE 20+00 N | LINE 15+00 N

STATION	RAW	FILTERED	VERTICAL FIELD	STATION	RAW	FILTERED	VERTICAL FIELD
1400 E	8	2	N\A	1600 E	-1	0	1
1420 E	4	-19	N\A	1620 E	-8	-9	6
1440 E	12	-14	N\A	1640 E	3	3	0
1460 E	19	10	N\A	1660 E	-3	4	0
1480 E	11	22	N\A	1680 E	-5	-10	8
1500 E	10	32	N\A	1700 E	1	5	4
1520 E	-2	41	N\A	1720 E	1	30	5
1540 E	-9	27	N\A	1740 E	-10	25	12
1560 E	-24	-15	N\A	1760 E	-18	3	4
1580 E	-14	-32	N\A	1780 E	-16	-16	4
1600 E	-4	-12	N\A	1800 E	-15	-26	10
1620 E	-2	9	N\A	1820 E	-3	-30	10
1640 E	-4	24	N\A	1840 E	-2	-28	8
1660 E	-11	21	N\A	1860 E	14	-4	14
1680 E	-19	9	N\A	1880 E	9		6
1700 E	-17	11	N\A	1900 E	7		10
1720 E	-22		N\A				
1740 E	-25		N\A				

Appendix D - Magnetometer Readings

Burrell Property - 1993 Magnetometer Survey Results

Station	m	READING	GAMMA/m	G/m*m/20	G/20+	3-PNT AVE	5-PNT AVE
LINE 1000S							
300		56,667					
310	10	56,760	9.30	4.65		56,749	
320	10	56,807	4.70	2.35	7.0	56,792	56,772
330	10	56,792	-1.50	-0.75	1.6	56,779	56,778
340	10	56,725	-6.70	-3.35	-4.1	56,757	56,769
360	20	56,784	2.95	2.95	-0.4	56,782	56,795
380	20	56,834	2.50	2.50	5.5	56,839	56,838
400	20	56,904	3.50	3.50	6.0	56,896	56,886
420	20	56,942	1.90	1.90	5.4	56,923	56,908
430	10	56,904	-3.80	-1.90	0.0	56,903	56,893
440	10	56,860	-4.40	-2.20	-4.1	56,858	56,870
450	10	56,808	-5.20	-2.60	-4.8	56,843	56,860
460	10	56,895	8.70	4.35	1.8	56,887	56,894
470	10	56,950	5.50	2.75	7.1	56,944	56,927
480	10	56,980	3.00	1.50	4.3	56,957	56,940
500	20	56,916	-3.20	-3.20	-1.7	56,916	56,903
520	20	56,850	-3.30	-3.30	-6.5	56,843	56,865
530	10	56,757	-9.30	-4.65	-8.0	56,821	56,835
540	10	56,921	16.40	8.20	3.6	56,866	56,865
550	10	56,865	-5.60	-2.80	5.4	56,880	56,869
560	10	56,870	0.50	0.25	-2.6	56,875	56,871
570	10	56,894	2.40	1.20	1.5	56,863	56,856
580	10	56,795	-9.90	-4.95	-3.8	56,818	56,835
590	10	56,787	-0.80	-0.40	-5.4	56,826	56,842
600	10	56,935	14.80	7.40	7.0	56,894	56,882
610	10	56,918	-1.70	-0.85	6.6	56,912	56,893
620	10	56,878	-4.00	-2.00	-2.9	56,879	56,879
640	20	56,842	-1.80	-1.80	-3.8	56,846	56,853
660	20	56,820	-1.10	-1.10	-2.9	56,833	56,849
680	20	56,849	1.45	1.45	0.4	56,867	56,895
690	10	56,948	9.90	4.95	6.4	56,981	56,976
700	10	57,179	23.10	11.55	16.5	57,099	57,062
710	10	57,090	-8.90	-4.45	7.1	57,084	57,058
720	10	56,977	-11.30	-5.65	-10.1	57,001	57,016
730	10	56,960	-1.70	-0.85	-6.5	56,967	56,961
740	10	56,971	1.10	0.55	-0.3	56,921	56,881
750	10	56,782	-18.90	-9.45	-8.9	56,751	56,761
760	10	56,468	-31.40	-15.70	-25.2	56,591	56,671
765	5	56,646	35.60	8.90	-6.8	56,694	56,744
770	5	57,014	73.60	18.40	27.3	56,947	56,905
775	5	57,112	19.60	4.90	23.3	57,061	57,010
780	5	57,005	-21.40	-5.35	-0.4	57,022	57,008
785	5	56,964	-8.20	-2.05	-7.4	56,957	56,958
790	5	56,894	-14.00	-3.50	-5.6	56,893	56,889
800	10	56,818	-7.60	-3.80	-7.3	56,819	56,827
810	10	56,745	-7.30	-3.65	-7.5	56,766	56,779
820	10	56,754	0.90	0.45	-3.2	56,756	56,765
840	20	56,770	0.80	0.80	1.3	56,771	56,763
850	10	56,789	1.90	0.95	1.8	56,766	56,788
855	5	56,715	-14.80	-3.70	-2.8	56,804	56,792
860	5	56,997	56.40	14.10	10.4	56,858	56,834
870	10	56,722	-27.50	-13.75	0.4	56,781	56,769
880	10	56,684	-3.80	-1.90	-15.7	56,704	56,743
900	20	56,727	2.15	2.15	0.3	56,733	56,744
920	20	56,794	3.35	3.35	5.5	56,792	56,789

Burrell Property - 1993 Magnetometer Survey Results

STATION	m	READING	GAMMA/m	G/m*m/20	G/20+	3-PNT AVE	5-PNT AVE
LINE 1000S							
940	20	56,853	2.95	2.95	6.3	56,843	56,863
960	20	56,870	0.85	0.85	3.8	56,940	56,919
972	12	57,166	24.67	14.80	15.7	57,019	56,985
980	8	56,875	-36.38	-14.55	0.3	56,940	56,922
1000	20	56,844	-1.55	-1.55	-16.1	56,848	56,879
1020	20	56,830	-0.70	-0.70	-2.3	56,835	56,847
1040	20	56,834	0.20	0.20	-0.5	56,853	56,836
1060	20	56,914	4.00	4.00	4.2	56,838	56,820
1070	10	56,690	-22.40	-11.20	-7.2	56,741	56,753
1075	5	56,670	-4.00	-1.00	-12.2	56,700	56,726
1080	5	56,770	20.00	5.00	4.0	56,739	56,743
1090	10	56,747	-2.30	-1.15	3.9	56,772	56,767
1100	10	56,822	7.50	3.75	2.6	56,804	56,806
1110	10	56,823	0.10	0.05	3.8	56,832	56,829
1120	10	56,860	3.70	1.85	1.9	56,857	56,860
1140	20	56,884	1.20	1.20	3.1	56,887	56,893
1160	20	56,919	1.75	1.75	3.0	56,933	56,930
1170	10	57,008	8.90	4.45	6.2	56,978	56,966
1180	10	56,975	-3.30	-1.65	2.8	56,978	56,983
1190	10	56,954	-2.10	-1.05	-2.7	56,992	57,006
1200	10	57,086	13.20	6.60	5.6	57,061	57,035
1210	10	57,116	3.00	1.50	8.1	57,052	56,993
1215	5	56,888	-45.60	-11.40	-9.9	56,865	56,871
1220	5	56,566	-64.40	-16.10	-27.5	56,682	56,733
1225	5	56,708	28.40	7.10	-9.0	56,686	56,721
1230	5	56,760	10.40	2.60	9.7	56,767	56,759
1240	10	56,840	8.00	4.00	6.6	56,833	56,827
1252	12	56,890	4.17	2.50	6.5	56,881	56,876
1260	8	56,904	1.75	0.70	3.2	56,912	56,911
1280	20	56,950	2.30	2.30	3.0	56,945	56,959
1300	20	56,977	1.35	1.35	3.7	57,011	57,007
1310	10	57,140	16.30	8.15	9.5	57,085	57,073
1320	10	57,082	-5.80	-2.90	5.3	57,101	57,091
1330	10	57,099	1.70	0.85	-2.1	57,101	57,106
1340	10	57,123	2.40	1.20	2.1	57,116	57,112
1360	20	57,117	-0.30	-0.30	0.9	57,118	57,135
1370	10	57,114	-0.30	-0.15	-0.5	57,163	57,162
1380	10	57,308	19.40	9.70	9.6	57,231	57,217
1390	10	57,195	-11.30	-5.65	4.1	57,226	57,215
1400	10	57,204	0.90	0.45	-5.2	57,209	57,249
1405	5	57,234	6.00	1.50	2.0	57,295	57,308
1410	5	57,507	54.60	13.65	15.2	57,445	57,413
1415	5	57,531	4.80	1.20	14.9	57,485	57,430
1420	5	57,370	-32.20	-8.05	-6.9	57,364	57,367
1430	10	57,184	-18.60	-9.30	-17.4	57,247	57,268
1440	10	57,248	6.40	3.20	-6.1	57,214	57,233
1450	10	57,174	-7.40	-3.70	-0.5	57,212	57,207
1460	10	57,253	7.90	3.95	0.3	57,217	57,223
1470	10	57,186	-6.70	-3.35	0.6	57,218	57,209
1480	10	57,247	6.10	3.05	-0.3	57,214	57,203
1490	10	57,176	-7.10	-3.55	-0.5	57,165	57,175
1500	10	57,060	-11.60	-5.80	-9.4	57,135	57,152
1510	10	57,242	18.20	9.10	3.3	57,184	57,186

Burrell Property - 1993 Magnetometer Survey Results

STATION	m	READING	GAMMA/m	G/m*m/20	G/20+	3-PNT AVE	5-PNT AVE
LINE 1000S							
1520	10	57,192	-5.00	-2.50	6.6	57,209	57,200
1530	10	57,210	1.80	0.90	-1.6	57,220	57,236
1540	10	57,266	5.60	2.80	3.7	57,277	57,278
1550	10	57,365	9.90	4.95	7.8	57,342	57,312
1560	10	57,371	0.60	0.30	5.3	57,321	57,314
1570	10	57,178	-19.30	-9.65	-9.4	57,259	57,305
1580	10	57,308	13.00	6.50	-3.1	57,351	57,394
1585	5	57,610	60.40	15.10	21.6	57,572	57,570
1590	5	57,760	30.00	7.50	22.6	57,770	57,724
1595	5	57,948	37.60	9.40	16.9	57,857	57,798
1600	5	57,773	-35.00	-8.75	0.6	57,751	57,765
1605	5	57,509	-52.80	-13.20	-22.0	57,668	57,781
1610	5	57,880	74.20	18.55	5.3	57,948	
1615	5	58,524	128.80	32.20	50.8		
LINE 500S							
400		56,784					
420	20	56,745	-1.95	-1.95		56,774	
440	20	56,820	3.75	3.75	1.8	56,810	56,806
460	20	56,856	1.80	1.80	5.6	56,833	56,827
480	20	56,798	-2.90	-2.90	-1.1	56,828	56,827
500	20	56,861	3.15	3.15	0.3	56,837	56,839
520	20	56,826	-1.75	-1.75	1.4	56,839	56,830
540	20	56,843	0.85	0.85	-0.9	56,827	56,825
560	20	56,794	-2.45	-2.45	-1.6	56,802	56,803
580	20	56,775	-0.95	-0.95	-3.4	56,783	56,787
600	20	56,787	0.60	0.60	-0.3	56,778	56,772
620	20	56,762	-1.25	-1.25	-0.7	56,753	56,749
640	20	56,700	-3.10	-3.10	-4.4	56,713	56,716
660	20	56,690	-0.50	-0.50	-3.6	56,688	56,699
680	20	56,670	-1.00	-1.00	-1.5	56,689	56,697
700	20	56,724	2.70	2.70	1.7	56,721	56,721
710	10	56,766	4.20	2.10	4.8	56,751	56,757
720	10	56,749	-1.70	-0.85	1.3	56,788	56,786
730	10	56,889	14.00	7.00	6.2	56,840	56,815
740	10	56,831	-5.80	-2.90	4.1	56,805	56,795
750	10	56,670	-16.10	-8.05	-11.0	56,731	56,751
760	10	56,754	8.40	4.20	-3.9	56,738	56,753
780	20	56,775	1.05	1.05	5.3	56,775	56,782
790	10	56,795	2.00	1.00	2.1	56,830	56,848
800	10	56,956	16.10	8.05	9.1	56,947	56,964
810	10	57,080	12.40	6.20	14.3	57,102	57,072
820	10	57,290	21.00	10.50	16.7	57,194	57,136
830	10	57,116	-17.40	-8.70	1.8	57,094	57,088
840	10	56,853	-26.30	-13.15	-21.9	56,968	56,978
850	10	57,051	19.80	9.90	-3.3	56,924	56,936
860	10	56,741	-31.00	-15.50	-5.6	56,847	56,842
870	10	56,855	11.40	5.70	-9.8	56,809	56,830
880	10	56,786	-6.90	-3.45	2.3	56,801	56,787

Burrell Property - 1993 Magnetometer Survey Results

STATION	m	READING	GAMMA/m	G/m*m/20	G/20+	3-PNT AVE	5-PNT AVE
LINE 500S							
890	10	56,778	-0.80	-0.40	-3.9	56,764	56,776
900	10	56,714	-6.40	-3.20	-3.6	56,750	56,763
920	20	56,795	4.05	4.05	0.9	56,787	56,790
940	20	56,842	2.35	2.35	6.4	56,826	56,812
960	20	56,826	-0.80	-0.80	1.6	56,823	56,828
970	10	56,797	-2.90	-1.45	-2.3	56,831	56,845
980	10	56,903	10.60	5.30	3.9	56,891	56,866
1000	20	56,962	2.95	2.95	8.3	56,882	56,900
1010	10	56,700	-26.20	-13.10	-10.2	56,877	56,902
1020	10	57,145	44.50	22.25	9.2	57,022	57,020
1030	10	57,099	-4.60	-2.30	20.0	57,101	57,084
1040	10	57,060	-3.90	-1.95	-4.3	57,138	57,164
1050	10	57,333	27.30	13.65	11.7	57,278	57,262
1060	10	57,386	5.30	2.65	16.3	57,351	57,315
1070	10	57,299	-8.70	-4.35	-1.7	57,316	57,314
1080	10	57,281	-1.80	-0.90	-5.3	57,284	57,288
1090	10	57,273	-0.80	-0.40	-1.3	57,264	57,258
1100	10	57,228	-4.50	-2.25	-2.7	57,225	57,217
1110	10	57,169	-5.90	-2.95	-5.2	57,165	57,184
1120	10	57,095	-7.40	-3.70	-6.7	57,151	57,150
1130	10	57,243	14.80	7.40	3.7	57,163	57,157
1140	10	57,070	-17.30	-8.65	-1.2	57,120	57,104
1150	10	57,097	2.70	1.35	-7.3	57,061	57,081
1160	10	56,980	-11.70	-5.85	-4.5	57,034	57,047
1170	10	57,080	10.00	5.00	-0.9	57,065	57,074
1180	10	57,121	4.10	2.05	7.1	57,112	57,104
1190	10	57,125	0.40	0.20	2.3	57,135	57,140
1200	10	57,168	4.30	2.15	2.4	57,175	57,160
1210	10	57,238	7.00	3.50	5.7	57,181	57,169
1220	10	57,078	-16.00	-8.00	-4.5	57,130	57,126
1240	20	57,124	2.30	2.30	-5.7	57,097	57,109
1260	20	57,060	-3.20	-3.20	-0.9	57,081	57,080
1280	20	57,081	1.05	1.05	-2.2	57,074	57,088
1290	10	57,073	-0.80	-0.40	0.7	57,097	57,098
1300	10	57,162	8.90	4.45	4.1	57,134	57,100
1305	5	57,138	-4.80	-1.20	3.3	57,073	57,040
1310	5	56,853	-57.00	-14.25	-15.5	56,898	56,907
1320	10	56,748	-10.50	-5.25	-19.5	56,768	56,806
1330	10	56,721	-2.70	-1.35	-6.6	56,743	56,762
1340	10	56,780	5.90	2.95	1.6	56,777	56,783
1350	10	56,827	4.70	2.35	5.3	56,825	56,822
1360	10	56,866	3.90	1.95	4.3	56,865	56,859
1370	10	56,899	3.30	1.65	3.6	56,891	56,891
1380	10	56,898	-0.10	-0.05	1.6	56,913	56,913
1390	10	56,956	5.80	2.90	2.9	56,942	56,945
1400	10	56,959	0.30	0.15	3.1	56,973	56,970
1420	20	57,016	2.85	2.85	3.0	57,004	57,004
1440	20	57,024	0.40	0.40	3.3	57,030	57,032
1450	10	57,057	3.30	1.65	2.1	57,064	57,071
1460	10	57,118	6.10	3.05	4.7	57,119	57,124
1470	10	57,181	6.30	3.15	6.2	57,186	57,169
1480	10	57,263	8.20	4.10	7.3	57,214	57,203
1500	20	57,148	-5.75	-5.75	-1.7	57,191	57,200

Burrell Property - 1993 Magnetometer Survey Results

STATION	m	READING	GAMMA/m	G/m*m/20	G/20+	3-PNT AVE	5-PNT AVE
LINE 500S							
1520	20	57,205	2.85	2.85	-2.9	57,211	57,223
1540	20	57,286	4.05	4.05	6.9	57,265	57,253
1550	10	57,282	-0.40	-0.20	3.9	57,280	57,270
1560	10	57,268	-1.40	-0.70	-0.9	57,268	57,285
1570	10	57,255	-1.30	-0.65	-1.4	57,299	57,287
1580	10	57,418	16.30	8.15	7.5	57,322	57,359
1590	10	57,198	-22.00	-11.00	-2.9	57,390	
1600	10	57,745	54.70	27.35	16.4		
LINE 000N (Baseline)							
280		56,621					
300	20	56,590	-1.55	-1.55		56,636	
320	20	56,744	7.70	7.70	6.2	56,695	56,692
340	20	56,702	-2.10	-2.10	5.6	56,721	56,725
360	20	56,734	1.60	1.60	-0.5	56,766	56,774
380	20	56,895	8.05	8.05	9.7	56,847	56,833
400	20	56,864	-1.55	-1.55	6.5	56,868	56,852
420	20	56,850	-0.70	-0.70	-2.3	56,850	56,844
430	10	56,836	-1.40	-0.70	-1.4	56,817	56,806
440	10	56,746	-9.00	-4.50	-5.2	56,747	56,753
460	20	56,658	-4.40	-4.40	-8.9	56,692	56,709
480	20	56,705	2.35	2.35	-2.1	56,698	56,716
500	20	56,722	0.85	0.85	3.2	56,746	56,744
510	10	56,836	11.40	5.70	6.6	56,801	56,766
520	10	56,810	-2.60	-1.30	4.4	56,752	56,734
530	10	56,550	-26.00	-13.00	-14.3	56,629	56,660
540	10	56,604	5.40	2.70	-10.3	56,622	56,653
550	10	56,731	12.70	6.35	9.1	56,702	56,690
560	10	56,740	0.90	0.45	6.8	56,737	56,723
580	20	56,736	-0.20	-0.20	0.3	56,737	56,737
600	20	56,734	-0.10	-0.10	-0.3	56,737	56,738
620	20	56,742	0.40	0.40	0.3	56,742	56,742
640	20	56,751	0.45	0.45	0.9	56,748	56,751
660	20	56,746	-0.25	-0.25	0.2	56,759	56,765
670	10	56,792	4.60	2.30	2.1	56,792	56,789
680	10	56,839	4.70	2.35	4.7	56,818	56,813
700	20	56,802	-1.85	-1.85	0.5	56,820	56,822
720	20	56,835	1.65	1.65	-0.2	56,836	56,829
730	10	56,871	3.60	1.80	3.5	56,836	56,812
740	10	56,767	-10.40	-5.20	-3.4	56,760	56,759
750	10	56,633	-13.40	-6.70	-11.9	56,679	56,710
760	10	56,682	4.90	2.45	-4.3	56,699	56,726
765	5	56,800	23.60	5.90	8.4	56,795	56,773
770	5	56,898	19.60	4.90	10.8	56,834	56,804
775	5	56,741	-31.40	-7.85	-3.0	56,766	56,759
780	5	56,685	-11.20	-2.80	-10.7	56,692	56,721
790	10	56,658	-2.70	-1.35	-4.2	56,694	56,704
800	10	56,775	11.70	5.85	4.5	56,739	56,729
810	10	56,746	-2.90	-1.45	4.4	56,741	56,723
820	10	56,696	-5.00	-2.50	-4.0	56,695	56,704

Burrell Property - 1993 Magnetometer Survey Results

STATION	m	READING	GAMMA/m	G/m*m/20	G/20+	3-PNT AVE	5-PNT AVE
LINE 000N (Baseline)							
840	20	56,643	-2.65	-2.65	-5.2	56,671	56,685
860	20	56,700	2.85	2.85	0.2	56,696	56,688
880	20	56,740	2.00	2.00	4.9	56,699	56,686
890	10	56,615	-12.50	-6.25	-4.3	56,649	56,658
900	10	56,624	0.90	0.45	-5.8	56,639	56,656
910	10	56,694	7.00	3.50	4.0	56,679	56,675
920	10	56,702	0.80	0.40	3.9	56,701	56,686
940	20	56,706	0.20	0.20	0.6	56,684	56,669
950	10	56,623	-8.30	-4.15	-4.0	56,619	56,620
960	10	56,524	-9.90	-4.95	-9.1	56,554	56,577
970	10	56,545	2.10	1.05	-3.9	56,563	56,579
980	10	56,636	9.10	4.55	5.6	56,622	56,619
990	10	56,671	3.50	1.75	6.3	56,666	56,652
1000	10	56,685	1.40	0.70	2.5	56,672	56,659
1020	20	56,648	-1.85	-1.85	-1.2	56,638	56,638
1030	10	56,572	-7.60	-3.80	-5.7	56,599	56,607
1040	10	56,602	3.00	1.50	-2.3	56,593	56,603
1060	20	56,595	-0.35	-0.35	1.2	56,609	56,623
1080	20	56,643	2.40	2.40	2.1	56,668	56,687
1090	10	56,791	14.80	7.40	9.8	56,788	56,764
1100	10	56,926	13.50	6.75	14.2	56,846	56,811
1110	10	56,742	-18.40	-9.20	-2.5	56,778	56,771
1120	10	56,701	-4.10	-2.05	-11.3	56,711	56,734
1130	10	56,698	-0.30	-0.15	-2.2	56,706	56,708
1140	10	56,726	2.80	1.40	1.3	56,711	56,725
1160	20	56,692	-1.70	-1.70	-0.3	56,745	56,740
1170	10	56,869	17.70	8.85	7.2	56,792	56,778
1180	10	56,739	-13.00	-6.50	2.4	56,765	56,771
1200	20	56,712	-1.35	-1.35	-7.9	56,766	56,765
1210	10	56,899	18.70	9.35	8.0	56,791	56,774
1220	10	56,655	-24.40	-12.20	-2.8	56,721	56,719
1230	10	56,673	1.80	0.90	-11.3	56,678	56,704
1240	10	56,711	3.80	1.90	2.8	56,704	56,704
1250	10	56,720	0.90	0.45	2.4	56,726	56,722
1260	10	56,752	3.20	1.60	2.1	56,742	56,746
1280	20	56,743	-0.45	-0.45	1.2	56,762	56,764
1290	10	56,810	6.70	3.35	2.9	56,797	56,795
1300	10	56,826	1.60	0.80	4.2	56,821	56,814
1320	20	56,822	-0.20	-0.20	0.6	56,826	56,824
1340	20	56,833	0.55	0.55	0.4	56,827	56,834
1360	20	56,820	-0.65	-0.65	-0.1	56,843	56,854
1380	20	56,900	4.00	4.00	3.4	56,899	56,894
1390	10	56,976	7.60	3.80	7.8	56,942	56,933
1400	10	56,917	-5.90	-2.95	0.9	56,946	56,950
1420	20	56,975	2.90	2.90	-0.0	56,975	56,987
1430	10	57,034	5.90	2.95	5.9	57,034	57,016
1440	10	57,091	5.70	2.85	5.8	57,047	57,026
1460	20	56,973	-5.90	-5.90	-3.1	56,987	56,986
1470	10	56,911	-6.20	-3.10	-9.0	56,931	56,955
1480	10	56,930	1.90	0.95	-2.2	56,946	56,946
1490	10	57,013	8.30	4.15	5.1	56,969	56,965
1500	10	56,920	-9.30	-4.65	-0.5	56,959	56,957
1520	20	56,982	3.10	3.10	-1.6	56,963	
1530	10	56,966	-1.60	-0.80	2.3		

Burrell Property - 1993 Magnetometer Survey Results

STATION	m	READING	GAMMA/m	G/m*m/20	G/20+	3-PNT AVE	5-PNT AVE
LINE 500N							
520		56,483					
540	20	56,493	0.50	0.50		56,478	
560	20	56,442	-2.55	-2.55	-2.1	56,466	56,472
580	20	56,485	2.15	2.15	-0.4	56,481	56,485
600	20	56,513	1.40	1.40	3.6	56,504	56,498
620	20	56,506	-0.35	-0.35	1.1	56,508	56,502
640	20	56,508	0.10	0.10	-0.3	56,497	56,490
650	10	56,464	-4.40	-2.20	-2.1	56,463	56,466
660	10	56,414	-5.00	-2.50	-4.7	56,436	56,450
670	10	56,453	3.90	1.95	-0.6	56,456	56,454
680	10	56,503	5.00	2.50	4.5	56,472	56,469
700	20	56,428	-3.75	-3.75	-1.3	56,466	56,471
720	20	56,503	3.75	3.75	0.0	56,492	56,502
740	20	56,534	1.55	1.55	5.3	56,538	56,528
760	20	56,579	2.25	2.25	3.8	56,561	56,555
780	20	56,551	-1.40	-1.40	0.9	56,559	56,557
800	20	56,556	0.25	0.25	-1.2	56,556	56,563
820	20	56,561	0.25	0.25	0.5	56,571	56,578
830	10	56,606	4.50	2.25	2.5	56,610	56,611
840	10	56,665	5.90	2.95	5.2	56,653	56,652
850	10	56,676	1.10	0.55	3.5	56,687	56,662
860	10	56,730	5.40	2.70	3.3	56,663	56,650
870	10	56,785	5.50	2.75	5.5	56,708	56,693
875	5	56,515	-54.00	-13.50	-10.8	56,573	56,585
880	5	56,532	3.40	0.85	-12.7	56,542	56,567
890	10	56,590	5.80	2.90	3.8	56,578	56,571
900	10	56,601	1.10	0.55	3.5	56,591	56,576
910	10	56,570	-3.10	-1.55	-1.0	56,562	56,573
920	10	56,505	-6.50	-3.25	-4.8	56,556	56,568
940	20	56,643	6.90	6.90	3.7	56,607	56,611
960	20	56,636	-0.35	-0.35	6.6	56,650	56,641
980	20	56,685	2.45	2.45	2.1	56,677	56,679
1000	20	56,700	0.75	0.75	3.2	56,706	56,703
1020	20	56,737	1.85	1.85	2.6	56,730	56,727
1040	20	56,747	0.50	0.50	2.4	56,744	56,731
1060	20	56,743	-0.20	-0.20	0.3	56,723	56,718
1080	20	56,660	-4.15	-4.15	-4.4	56,679	56,685
1100	20	56,682	1.10	1.10	-3.1	56,674	56,684
1120	20	56,700	0.90	0.90	2.0	56,697	56,696
1140	20	56,654	-2.30	-2.30	-1.4	56,683	56,684
1160	20	56,670	0.80	0.80	-1.5	56,671	56,673
1180	20	56,706	1.80	1.80	2.6	56,687	56,683
1200	20	56,724	0.90	0.90	2.7	56,707	56,699
1220	20	56,689	-1.75	-1.75	-0.9	56,691	56,694
1240	20	56,667	-1.10	-1.10	-2.9	56,682	56,697
1250	10	56,673	0.60	0.30	-0.8	56,702	56,704
1260	10	56,661	-1.20	-0.60	-0.3	56,684	56,688
1270	10	56,703	4.20	2.10	1.5	56,702	56,700
1280	10	56,794	9.10	4.55	6.7	56,749	56,746
1300	20	56,739	-2.75	-2.75	1.8	56,770	56,764
1320	20	56,742	0.15	0.15	-2.6	56,750	56,745
1340	20	56,704	-1.90	-1.90	-1.8	56,739	56,743
1360	20	56,806	5.10	5.10	3.2	56,773	
1380	20	56,777	-1.45	-1.45	3.7		

Burrell Property - 1993 Magnetometer Survey Results

STATION	m	READING	GAMMA/m	G/m*m/20	G/20+	3-PNT AVE	5-PNT AVE
LINE 1000N							
580		56,796					
600	20	56,808	0.60	0.60		56,787	
620	20	56,736	-3.60	-3.60	-3.0	56,753	56,750
640	20	56,732	-0.20	-0.20	-3.8	56,721	56,738
660	20	56,683	-2.45	-2.45	-2.7	56,725	56,736
670	10	56,802	11.90	5.95	3.5	56,779	56,775
680	10	56,828	2.60	1.30	7.3	56,811	56,813
690	10	56,784	-4.40	-2.20	-0.9	56,840	56,840
700	10	56,965	18.10	9.05	6.9	56,898	56,889
710	10	56,879	-8.60	-4.30	4.8	56,900	56,878
720	10	56,878	-0.10	-0.05	-4.4	56,858	56,863
740	20	56,798	-4.00	-4.00	-4.1	56,817	56,829
760	20	56,795	-0.15	-0.15	-4.2	56,816	56,835
770	10	56,876	8.10	4.05	3.9	56,873	56,865
780	10	56,945	6.90	3.45	7.5	56,908	56,885
790	10	56,864	-8.10	-4.05	-0.6	56,868	56,856
800	10	56,797	-6.70	-3.35	-7.4	56,801	56,806
810	10	56,744	-5.30	-2.65	-6.0	56,749	56,765
820	10	56,711	-3.30	-1.65	-4.3	56,739	56,766
840	20	56,791	4.00	4.00	2.4	56,811	56,808
850	10	56,951	16.00	8.00	12.0	56,885	56,868
860	10	56,846	-10.50	-5.25	2.8	56,884	56,861
880	20	56,894	2.40	2.40	-2.9	56,845	56,838
890	10	56,744	-15.00	-7.50	-5.1	56,763	56,760
900	10	56,668	-7.60	-3.80	-11.3	56,684	56,704
910	10	56,656	-1.20	-0.60	-4.4	56,663	56,683
920	10	56,670	1.40	0.70	0.1	56,695	56,710
930	10	56,783	11.30	5.65	6.4	56,777	56,778
940	10	56,873	9.00	4.50	10.2	56,858	56,845
950	10	56,903	3.00	1.50	6.0	56,898	56,893
960	10	56,914	1.10	0.55	2.1	56,924	56,918
980	20	56,964	2.50	2.50	3.1	56,939	56,929
1000	20	56,915	-2.45	-2.45	0.0	56,918	56,923
1020	20	56,877	-1.90	-1.90	-4.4	56,912	56,916
1040	20	56,977	5.00	5.00	3.1	56,934	56,930
1060	20	56,905	-3.60	-3.60	1.4	56,926	56,921
1070	10	56,916	1.10	0.55	-3.1	56,917	56,910
1080	10	56,930	1.40	0.70	1.3	56,890	56,882
1090	10	56,784	-14.60	-7.30	-6.6	56,822	56,833
1100	10	56,790	0.60	0.30	-7.0	56,801	56,820
1110	10	56,840	5.00	2.50	2.8	56,833	56,830
1120	10	56,861	2.10	1.05	3.6	56,855	56,849
1140	20	56,856	-0.25	-0.25	0.8	56,860	56,859
1160	20	56,866	0.50	0.50	0.3	56,864	56,867
1180	20	56,868	0.10	0.10	0.6	56,875	56,875
1200	20	56,896	1.40	1.40	1.5	56,889	56,885
1220	20	56,895	-0.05	-0.05	1.4	56,890	56,883
1240	20	56,874	-1.05	-1.05	-1.1	56,870	56,853
1260	20	56,837	-1.85	-1.85	-2.9	56,806	56,813
1270	10	56,674	-16.30	-8.15	-10.0	56,745	56,771
1280	10	56,795	12.10	6.05	-2.1	56,785	56,805
1290	10	56,877	8.20	4.10	10.2	56,869	56,861
1300	10	56,927	5.00	2.50	6.6	56,930	56,925

Burrell Property - 1993 Magnetometer Survey Results

STATION	m	READING	GAMMA/m	G/m*m/20	G/20+	3-PNT AVE	5-PNT AVE
LINE 1000N							
1320	20	56,987	3.00	3.00	5.5	56,981	56,984
1340	20	57,022	1.75	1.75	4.8	57,036	57,026
1350	10	57,112	9.00	4.50	6.3	57,072	57,052
1360	10	57,042	-7.00	-3.50	1.0	57,039	57,032
1370	10	56,958	-8.40	-4.20	-7.7	56,988	57,003
1380	10	56,993	3.50	1.75	-2.5	56,989	56,995
1400	20	57,011	0.90	0.90	2.7	57,002	56,998
1410	10	56,993	-1.80	-0.90	0.0	57,000	57,041
1415	5	57,003	2.00	0.50	-0.4	57,104	57,122
1420	5	57,418	83.00	20.75	21.3	57,304	57,285
1425	5	57,377	-8.20	-2.05	18.7	57,399	57,348
1430	5	57,422	9.00	2.25	0.2	57,379	57,342
1435	5	57,293	-25.80	-6.45	-4.2	57,245	57,216
1440	5	56,971	-64.40	-16.10	-22.6	57,015	57,032
1450	10	56,823	-14.80	-7.40	-23.5	56,849	56,930
1460	10	56,778	-4.50	-2.25	-9.7	56,898	56,893
1470	10	57,214	43.60	21.80	19.6	56,995	56,968
1480	10	56,775	-43.90	-21.95	-0.2	56,914	56,893
1490	10	56,893	11.80	5.90	-16.1	56,851	56,869
1500	10	56,841	-5.20	-2.60	3.3	56,811	56,784
1510	10	56,667	-17.40	-8.70	-11.3	56,689	56,724
1520	10	56,582	-8.50	-4.25	-13.0	56,667	56,704
1540	20	56,836	12.70	12.70	8.5	56,779	56,754
1550	10	56,863	2.70	1.35	14.1	56,800	56,758
1560	10	56,636	-22.70	-11.35	-10.0	56,683	56,673
1570	10	56,597	-3.90	-1.95	-13.3	56,565	56,603
1580	10	56,429	-16.80	-8.40	-10.4	56,525	56,574
1590	10	56,645	21.60	10.80	2.4	56,655	56,696
1600	10	56,902	25.70	12.85	23.7	56,894	56,892
1610	10	57,125	22.30	11.15	24.0	57,123	
1620	10	57,340	21.50	10.75	21.9		
LINE 1500N							
650		56,485					
660	10	56,570	8.50	4.25		56,574	
670	10	56,671	10.10	5.05	9.3	56,671	56,657
680	10	56,770	9.90	4.95	10.0	56,733	56,711
690	10	56,722	-4.80	-2.40	2.5	56,722	56,706
700	10	56,672	-5.00	-2.50	-4.9	56,671	56,674
710	10	56,619	-5.30	-2.65	-5.2	56,626	56,635
720	10	56,595	-2.40	-1.20	-3.9	56,607	56,621
740	20	56,617	1.10	1.10	-0.1	56,628	56,626
760	20	56,682	3.25	3.25	4.4	56,650	56,631
780	20	56,620	-3.10	-3.10	0.2	56,609	56,595
790	10	56,512	-10.80	-5.40	-8.5	56,528	56,530
800	10	56,469	-4.30	-2.15	-7.6	56,459	56,473
810	10	56,387	-8.20	-4.10	-6.3	56,419	56,443
820	10	56,431	4.40	2.20	-1.9	56,454	56,469
830	10	56,566	13.50	6.75	9.0	56,538	56,535

Burrell Property - 1993 Magnetometer Survey Results

STATION	m	READING	GAMMA/m	G/m*m/20	G/20+	3-PNT AVE	5-PNT AVE
LINE 1500N							
840	10	56,590	2.40	1.20	8.0	56,601	56,597
850	10	56,656	6.60	3.30	4.5	56,658	56,671
860	10	56,730	7.40	3.70	7.0	56,749	56,734
870	10	56,880	15.00	7.50	11.2	56,811	56,767
880	10	56,755	-12.50	-6.25	1.3	56,728	56,715
890	10	56,523	-23.20	-11.60	-17.9	56,599	56,629
900	10	56,595	7.20	3.60	-8.0	56,582	56,598
920	20	56,613	0.90	0.90	4.5	56,597	56,587
940	20	56,568	-2.25	-2.25	-1.4	56,579	56,586
960	20	56,567	-0.05	-0.05	-2.3	56,583	56,589
980	20	56,628	3.05	3.05	3.0	56,610	56,599
1000	20	56,618	-0.50	-0.50	2.6	56,601	56,589
1020	20	56,541	-3.85	-3.85	-4.4	56,553	56,556
1040	20	56,510	-1.55	-1.55	-5.4	56,519	56,526
1060	20	56,516	0.30	0.30	-1.3	56,507	56,517
1070	10	56,485	-3.10	-1.55	-1.3	56,516	56,526
1080	10	56,579	9.40	4.70	3.2	56,566	56,570
1100	20	56,622	2.15	2.15	6.9	56,619	56,614
1120	20	56,651	1.45	1.45	3.6	56,659	56,666
1130	10	56,710	5.90	2.95	4.4	56,722	56,715
1140	10	56,815	10.50	5.25	8.2	56,775	56,768
1160	20	56,760	-2.75	-2.75	2.5	56,792	56,777
1170	10	56,831	7.10	3.55	0.8	56,787	56,779
1180	10	56,725	-10.60	-5.30	-1.8	56,741	56,728
1190	10	56,684	-4.10	-2.05	-7.4	56,670	56,687
1200	10	56,585	-9.90	-4.95	-7.0	56,635	56,650
1210	10	56,686	10.10	5.05	0.1	56,664	56,675
1220	10	56,699	1.30	0.65	5.7	56,710	56,702
1240	20	56,754	2.75	2.75	3.4	56,740	56,736
1260	20	56,754	0.00	0.00	2.8	56,752	56,753
1280	20	56,747	-0.35	-0.35	-0.4	56,765	56,765
1300	20	56,812	3.25	3.25	2.9	56,786	56,785
1320	20	56,771	-2.05	-2.05	1.2	56,791	56,786
1340	20	56,811	2.00	2.00	-0.0	56,793	56,815
1350	10	56,779	-3.20	-1.60	0.4	56,840	56,851
1360	10	56,990	21.10	10.55	9.0	56,945	56,920
1370	10	57,022	3.20	1.60	12.2	56,965	56,935
1380	10	56,826	-19.60	-9.80	-8.2	56,881	56,899
1390	10	56,849	2.30	1.15	-8.7	56,870	56,895
1400	10	56,954	10.50	5.25	6.4	56,931	56,923
1420	20	56,967	0.65	0.65	5.9	56,961	56,935
1430	10	56,955	-1.20	-0.60	0.0	56,922	56,912
1440	10	56,812	-14.30	-7.15	-7.8	56,843	56,850
1450	10	56,791	-2.10	-1.05	-8.2	56,797	56,811
1460	10	56,794	0.30	0.15	-0.9	56,789	56,793
1470	10	56,775	-1.90	-0.95	-0.8	56,788	56,792
1480	10	56,806	3.10	1.55	0.6	56,803	56,809
1490	10	56,824	1.80	0.90	2.5	56,831	56,830
1500	10	56,871	4.70	2.35	3.3	56,861	56,860
1510	10	56,876	0.50	0.25	2.6	56,884	56,885
1520	10	56,912	3.60	1.80	2.1	56,915	56,925
1530	10	56,960	4.80	2.40	4.2	56,973	56,969

Burrell Property - 1993 Magnetometer Survey Results

STATION	m	READING	GAMMA/m	G/m*m/20	G/20+	3-PNT AVE	5-PNT AVE
LINE 1500N							
1540	10	57,059	9.90	4.95	7.4	57,028	57,025
1550	10	57,033	-2.60	-1.30	3.7	57,060	57,050
1560	10	57,113	8.00	4.00	2.7	57,082	57,070
1570	10	57,068	-4.50	-2.25	1.8	57,059	57,055
1580	10	56,988	-8.00	-4.00	-6.3	57,021	57,031
1590	10	57,038	5.00	2.50	-1.5	57,025	57,048
1600	10	57,035	-0.30	-0.15	2.4	57,081	57,061
1610	10	57,216	18.10	9.05	8.9	57,109	57,085
1620	10	56,970	-24.60	-12.30	-3.3	57,024	57,017
1640	20	56,940	-1.50	-1.50	-13.8	56,948	
1660	20	56,941	0.05	0.05	-1.5		
LINE 2000N							
440		56,412					
450	10	56,488	7.60	3.80		56,500	
460	10	56,613	12.50	6.25	10.1	56,592	56,585
480	20	56,654	2.05	2.05	8.3	56,656	56,618
490	10	56,704	5.00	2.50	4.6	56,626	56,601
500	10	56,442	-26.20	-13.10	-10.6	56,494	56,498
510	10	56,388	-5.40	-2.70	-15.8	56,399	56,438
520	10	56,377	-1.10	-0.55	-3.3	56,406	56,417
540	20	56,482	5.25	5.25	4.7	56,456	56,437
560	20	56,482	0.00	0.00	5.3	56,444	56,426
580	20	56,331	-7.55	-7.55	-7.6	56,369	56,384
600	20	56,332	0.05	0.05	-7.5	56,350	56,375
610	10	56,405	7.30	3.65	3.7	56,403	56,392
620	10	56,469	6.40	3.20	6.9	56,428	56,414
640	20	56,369	-5.00	-5.00	-1.8	56,399	56,404
660	20	56,388	0.95	0.95	-4.1	56,398	56,424
670	10	56,447	5.90	2.95	3.9	56,466	56,471
680	10	56,583	13.60	6.80	9.8	56,557	56,552
690	10	56,615	3.20	1.60	8.4	56,623	56,615
700	10	56,677	6.20	3.10	4.7	56,673	56,658
720	20	56,724	2.35	2.35	5.5	56,685	56,664
740	20	56,613	-5.55	-5.55	-3.2	56,625	56,610
750	10	56,548	-6.50	-3.25	-8.8	56,533	56,537
760	10	56,422	-12.60	-6.30	-9.6	56,445	56,454
770	10	56,386	-3.60	-1.80	-8.1	56,391	56,409
780	10	56,368	-1.80	-0.90	-2.7	56,385	56,400
790	10	56,416	4.80	2.40	1.5	56,427	56,436
800	10	56,506	9.00	4.50	6.9	56,497	56,478
820	20	56,558	2.60	2.60	7.1	56,516	56,501
840	20	56,442	-5.80	-5.80	-3.2	56,478	56,492
860	20	56,468	1.30	1.30	-4.5	56,492	56,579
880	20	56,590	6.10	6.10	7.4	56,735	56,718
890	10	57,293	70.30	35.15	41.3	57,008	56,923
900	10	56,854	-43.90	-21.95	13.2	56,926	56,860
910	10	56,702	-15.20	-7.60	-29.6	56,716	56,752
920	10	56,606	-9.60	-4.80	-12.4	56,602	56,636
930	10	56,494	-11.20	-5.60	-10.4	56,570	56,592

Burrell Property - 1993 Magnetometer Survey Results

STATION	m	READING	GAMMA/m	G/m*m/20	G/20+	3-PNT AVE	5-PNT AVE
LINE 2000N							
940	10	56,686	19.20	9.60	4.0	56,631	56,628
950	10	56,658	-2.80	-1.40	8.2	56,656	56,645
960	10	56,623	-3.50	-1.75	-3.2	56,653	56,665
980	20	56,707	4.20	4.20	2.5	56,695	56,681
1000	20	56,743	1.80	1.80	6.0	56,695	56,678
1020	20	56,587	-7.80	-7.80	-6.0	56,628	56,621
1030	10	56,593	0.60	0.30	-7.5	56,563	56,584
1040	10	56,480	-11.30	-5.65	-5.4	56,536	56,555
1050	10	56,590	11.00	5.50	-0.2	56,583	56,595
1060	10	56,672	8.20	4.10	9.6	56,656	56,627
1080	20	56,688	0.80	0.80	4.9	56,648	56,651
1100	20	56,545	-7.15	-7.15	-6.4	56,627	56,661
1120	20	56,729	9.20	9.20	2.0	56,731	56,744
1130	10	56,920	19.10	9.55	18.8	56,868	56,852
1140	10	56,903	-1.70	-0.85	8.7	56,940	56,903
1150	10	57,032	12.90	6.45	5.6	56,937	56,911
1160	10	56,780	-25.20	-12.60	-6.2	56,822	56,814
1170	10	56,694	-8.60	-4.30	-16.9	56,708	56,733
1180	10	56,664	-3.00	-1.50	-5.8	56,663	56,667
1200	20	56,631	-1.65	-1.65	-3.2	56,627	56,619
1220	20	56,581	-2.50	-2.50	-4.2	56,568	56,571
1240	20	56,480	-5.05	-5.05	-7.6	56,510	56,531
1250	10	56,499	1.90	0.95	-4.1	56,518	56,540
1260	10	56,594	9.50	4.75	5.7	56,590	56,587
1280	20	56,673	3.95	3.95	8.7	56,652	56,627
1290	10	56,667	-0.60	-0.30	3.7	56,642	56,641
1300	10	56,559	-10.80	-5.40	-5.7	56,617	56,674
1310	10	56,683	12.40	6.20	0.8	56,764	56,769
1320	10	57,132	44.90	22.45	28.7	56,964	56,929
1330	10	56,907	-22.50	-11.25	11.2	56,992	56,974
1340	10	57,023	11.60	5.80	-5.5	57,017	57,026
1350	10	57,116	9.30	4.65	10.5	57,062	57,029
1360	10	56,992	-12.40	-6.20	-1.5	56,998	56,984
1370	10	56,891	-10.10	-5.05	-11.3	56,902	56,921
1380	10	56,833	-5.80	-2.90	-8.0	56,860	56,874
1390	10	56,882	4.90	2.45	-0.5	56,867	56,867
1400	10	56,869	-1.30	-0.65	1.8	56,867	56,859
1420	20	56,846	-1.15	-1.15	-1.8	56,847	56,852
1440	20	56,826	-1.00	-1.00	-2.2	56,839	56,845
1460	20	56,859	1.65	1.65	0.7	56,853	56,869
1470	10	56,868	0.90	0.45	2.1	56,903	56,904
1480	10	57,017	14.90	7.45	7.9	56,973	56,973
1490	10	56,991	-2.60	-1.30	6.2	57,021	56,992
1500	10	57,083	9.20	4.60	3.3	57,012	56,993
1510	10	56,891	-19.20	-9.60	-5.0	56,922	56,912
1520	10	56,821	-7.00	-3.50	-13.1	56,823	56,843
1530	10	56,757	-6.40	-3.20	-6.7	56,775	56,792
1540	10	56,763	0.60	0.30	-2.9	56,779	56,786
1550	10	56,834	7.10	3.55	3.9	56,810	56,801
1560	10	56,807	-2.70	-1.35	2.2	56,806	56,805
1580	20	56,776	-1.55	-1.55	-2.9	56,800	56,804
1600	20	56,841	3.25	3.25	1.7	56,816	56,822
1620	20	56,807	-1.70	-1.70	1.6	56,833	56,814
1640	20	56,878	3.55	3.55	1.9	56,815	56,805
1660	20	56,695	-9.15	-9.15	-5.6	56,740	56,738

Burrell Property - 1993 Magnetometer Survey Results

STATION	m	READING	GAMMA/m	G/m*m/20	G/20+	3-PNT AVE	5-PNT AVE
LINE 2000N							
1670	10	56,691	-0.40	-0.20	-9.4	56,684	56,704
1680	10	56,659	-3.20	-1.60	-1.8	56,676	56,688
1700	20	56,694	1.75	1.75	0.1	56,707	56,718
1720	20	56,782	4.40	4.40	6.2	56,772	56,784
1730	10	56,831	4.90	2.45	6.9	56,861	56,845
1740	10	56,998	16.70	8.35	10.8	56,925	
1750	10	56,874	-12.40	-6.20	2.2		

Appendix E - Analytical Results

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Vanguard Consulting Ltd. PROJECT BURR File # 93-1483 Page 1

7 - 1825 Nelson St., Vancouver BC V6G 1M9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L1500N 8+00E	<1	7	26	142	.1	1	3	716	1.96	2	<5	<2	8	46	<.2	<2	<2	19	.50	.063	31	10	.21	318	.04	<2	1.55	.02	.12	1	<5	<1	3
L1500N 8+30E	1	10	25	92	.1	<1	2	1825	1.89	<2	<5	<2	5	26	.3	<2	<2	20	.28	.037	29	5	.23	141	.03	<2	1.50	.03	.06	<1	<5	<1	2
L1500N 8+90E	<1	10	25	138	<.1	2	4	2373	2.44	<2	<5	<2	6	39	<.2	<2	<2	22	.43	.045	27	5	.24	496	.04	<2	1.72	.02	.18	<1	<5	1	2
L1500N 9+20E	<1	7	19	106	.1	1	4	1013	2.67	<2	<5	<2	8	28	.5	<2	<2	24	.31	.039	27	5	.28	247	.02	<2	1.16	.01	.17	1	<5	1	1
L1500N 9+50E	1	7	17	92	<.1	5	3	1370	1.85	<2	<5	<2	5	31	.3	<2	<2	20	.31	.044	25	10	.16	257	.04	<2	1.31	.02	.13	<1	<5	<1	1
L1500N 9+80E	1	10	19	112	<.1	<1	2	734	2.49	4	<5	<2	7	30	<.2	<2	<2	25	.27	.047	23	13	.22	318	.07	<2	1.76	.01	.11	1	<5	<1	1
L1500N 10+10E	<1	15	11	163	.1	4	3	2105	1.50	<2	<5	<2	2	44	.5	<2	<2	16	.44	.065	43	7	.13	359	.03	<2	1.08	.02	.08	<1	<5	<1	1
L1500N 10+40E	1	31	21	140	.4	22	4	2290	2.36	<2	25	<2	7	89	.2	<2	<2	18	.88	.065	564	17	.29	472	.03	<2	2.70	.02	.11	1	<5	<1	1
L1500N 10+70E	1	12	11	64	.1	18	3	785	1.59	<2	<5	<2	3	39	<.2	<2	<2	22	.36	.026	39	19	.22	159	.06	<2	1.35	.02	.08	1	<5	<1	2
L1500N 11+00E	<1	8	9	110	<.1	13	2	835	1.85	<2	<5	<2	4	35	<.2	<2	<2	24	.31	.107	18	17	.23	221	.08	2	1.72	.02	.09	<1	<5	<1	3
L1500N 11+30E	<1	9	13	71	<.1	4	1	665	1.68	<2	<5	<2	4	34	.3	<2	<2	23	.28	.063	16	15	.21	139	.08	<2	1.69	.02	.05	1	<5	<1	2
L1500N 11+60E	<1	7	10	75	<.1	8	2	676	1.81	<2	<5	<2	3	33	.3	<2	<2	24	.27	.088	13	19	.20	142	.08	2	1.74	.02	.05	<1	<5	<1	1
L1500N 11+90E	<1	15	15	97	<.1	11	3	867	1.77	<2	<5	<2	3	50	<.2	<2	<2	24	.32	.099	13	13	.22	181	.10	2	2.26	.02	.06	2	<5	<1	1
L1500N 12+20E	<1	9	18	118	<.1	1	2	925	1.35	<2	<5	<2	3	75	.2	<2	<2	18	.37	.045	13	10	.23	184	.05	<2	1.37	.02	.06	<1	<5	<1	1
L1500N 12+50E	1	12	6	67	<.1	9	3	486	1.33	<2	<5	<2	<2	45	<.2	<2	<2	19	.39	.114	6	8	.16	125	.09	2	1.85	.03	.04	1	<5	<1	<1
L1500N 12+80E	<1	11	9	64	<.1	6	1	580	1.26	<2	<5	<2	<2	45	<.2	<2	<2	18	.35	.092	8	8	.18	96	.09	2	2.00	.03	.05	<1	<5	<1	1
L1500N 13+10E	1	9	11	67	<.1	5	2	507	1.71	<2	<5	<2	4	37	<.2	<2	<2	21	.32	.067	12	10	.23	116	.10	<2	3.10	.02	.04	1	<5	<1	<1
L1500N 13+40E	<1	10	8	74	<.1	10	3	894	1.78	<2	<5	<2	4	42	.5	<2	<2	25	.39	.078	12	15	.28	130	.12	<2	2.80	.02	.05	<1	<5	<1	<1
L1500N 13+70E	<1	12	17	76	.1	8	2	1015	1.62	2	<5	<2	2	56	.5	<2	<2	21	.45	.078	12	12	.25	148	.10	3	3.37	.02	.05	1	<5	1	<1
L1500N 14+00E	<1	9	12	78	<.1	6	2	951	1.25	2	<5	<2	<2	40	.2	<2	<2	16	.34	.079	7	7	.18	129	.08	2	2.28	.02	.04	1	<5	<1	1
L1500N 14+30E	<1	8	7	51	<.1	3	2	880	.86	<2	<5	<2	<2	92	.4	<2	<2	14	.61	.069	5	6	.14	104	.05	<2	1.60	.03	.03	<1	<5	<1	2
L1500N 14+60E	<1	9	16	137	<.1	23	5	1001	1.67	2	<5	<2	7	52	.6	<2	<2	19	.46	.048	25	50	.53	204	.07	<2	1.80	.02	.10	<1	5	1	1
L1500N 14+90E	1	14	28	130	.1	14	5	1167	2.38	<2	<5	<2	4	38	<.2	<2	<2	30	.31	.102	15	23	.36	226	.06	<2	2.14	.02	.08	<1	<5	<1	1
L1500N 15+20E	2	15	26	99	<.1	14	5	1385	2.12	<2	<5	<2	4	30	.3	<2	<2	25	.27	.088	19	26	.41	273	.10	4	2.60	.02	.11	<1	<5	1	<1
L1000N 8+60E	<1	13	15	159	<.1	5	3	1188	2.36	<2	<5	<2	7	28	.9	<2	<2	25	.23	.309	19	12	.25	325	.12	<2	3.08	.02	.06	<1	<5	<1	1
L1000N 8+90E	1	11	13	113	.1	8	3	745	2.00	5	<5	<2	8	66	<.2	<2	<2	21	.37	.201	14	12	.19	287	.09	3	2.51	.02	.08	<1	<5	<1	1
L1000N 9+20E	<1	8	10	56	<.1	7	3	329	2.21	<2	<5	<2	5	31	.4	<2	<2	31	.22	.030	26	22	.21	87	.07	2	.92	.01	.06	<1	<5	1	<1
L1000N 9+50E	<1	9	4	89	<.1	3	2	826	1.44	<2	<5	<2	3	36	.4	<2	<2	18	.29	.073	13	9	.14	188	.08	4	1.53	.03	.06	1	<5	1	1
L1000N 9+80E	<1	8	12	68	<.1	5	3	660	1.90	<2	<5	<2	5	38	<.2	<2	<2	23	.39	.075	27	14	.18	282	.08	<2	2.13	.02	.08	<1	<5	<1	1
RE L1000N 9+80E	<1	9	12	69	<.1	6	3	661	1.92	<2	<5	<2	5	39	<.2	<2	<2	24	.40	.073	28	14	.18	285	.08	3	2.16	.02	.08	<1	<5	1	1
L1000N 10+10E	1	8	11	72	<.1	7	3	657	2.09	<2	<5	<2	4	21	.3	<2	<2	26	.16	.077	20	14	.20	267	.08	<2	2.06	.02	.06	<1	<5	<1	1
L1000N 10+40E	<1	11	11	76	<.1	8	3	587	2.21	2	<5	<2	6	31	.8	<2	<2	27	.29	.089	22	15	.24	157	.08	3	2.10	.02	.07	<1	<5	1	2
L1000N 10+70E	<1	7	11	59	.1	6	3	498	2.08	<2	<5	<2	6	33	.9	<2	<2	30	.24	.030	15	19	.22	168	.06	3	1.33	.02	.05	1	<5	<1	3
L1000N 11+00E	<1	8	12	69	<.1	11	3	762	1.41	4	<5	<2	3	45	<.2	<2	<2	18	.34	.090	11	15	.19	253	.08	2	1.40	.02	.07	<1	<5	1	1
L1000N 11+30E	<1	9	8	83	<.1	11	3	666	1.72	3	<5	<2	4	28	<.2	<2	<2	21	.22	.087	13	14	.21	181	.10	3	2.11	.02	.06	<1	<5	<1	1
L1000N 11+60E	<1	6	6	77	<.1	9	3	440	1.54	<2	<5	<2	3	22	<.2	<2	<2	21	.17	.075	11	18	.21	109	.07	2	1.16	.02	.06	<1	<5	<1	1
L1000N 11+90E	<1	8	7	61	<.1	10	2	398	1.78	<2	<5	<2	5	35	<.2	<2	<2	25	.25	.065	18	17	.22	127	.08	3	1.50	.02	.07	<1	<5	<1	1
STANDARD C/AU-S	18	57	39	128	7.4	68	29	1074	3.96	37	18	6	36	51	17.4	13	19	55	.50	.086	35	55	.87	187	.09	37	1.88	.05	.14	12	<5	<1	52

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
- SAMPLE TYPE: SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: JUL 12 1993 **DATE REPORT MAILED:** July 16/93. **SIGNED BY**..........D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L1000N 12+20E	<1	8	8	69	<.1	7	3	708	1.56	<2	<5	<2	3	27	.7	<2	<2	22	.20	.086	12	14	.18	164	.09	4	1.65	.02	.05	<1	<5	<1	<1
L1000N 12+50E	1	11	3	101	<.1	11	4	815	1.88	<2	<5	<2	4	47	<.2	<2	<2	22	.25	.282	15	18	.19	201	.12	3	2.57	.02	.05	<1	<5	<1	<1
L1000N 12+80E	<1	8	2	65	<.1	12	3	534	2.19	<2	<5	<2	5	63	<.2	<2	<2	30	.34	.071	19	21	.25	170	.10	7	1.92	.02	.06	1	<5	<1	<1
L1000N 13+10E	<1	8	5	59	<.1	6	4	364	2.00	2	<5	<2	4	33	.6	<2	<2	28	.21	.134	13	19	.21	173	.09	<2	1.51	.02	.05	<1	<5	<1	<1
L1000N 13+40E	<1	7	5	97	<.1	10	3	663	1.56	<2	<5	<2	3	32	.3	<2	<2	20	.19	.203	10	14	.15	230	.09	<2	1.58	.02	.04	1	<5	<1	<1
L1000N 13+70E	1	8	2	71	<.1	12	3	607	1.66	<2	<5	<2	4	59	.4	<2	<2	23	.31	.087	14	13	.18	187	.09	<2	1.45	.02	.06	1	<5	<1	<1
L1000N 14+00E	<1	10	<2	73	.1	10	4	739	1.84	4	<5	<2	5	52	.6	<2	<2	23	.34	.165	18	17	.23	277	.09	4	1.96	.02	.06	1	<5	<1	1
L1000N 14+60E	1	13	6	97	<.1	23	6	743	1.98	<2	<5	<2	4	40	<.2	<2	<2	26	.25	.147	13	36	.44	243	.11	2	2.40	.02	.07	1	<5	<1	1
L1000N 14+90E	<1	6	<2	53	<.1	2	3	494	1.15	<2	<5	<2	2	33	<.2	<2	<2	18	.19	.050	8	13	.17	105	.07	<2	.91	.03	.05	1	<5	2	1
L1000N 15+20E	<1	10	3	95	<.1	12	3	530	1.76	<2	<5	<2	4	28	<.2	<2	<2	23	.19	.202	12	16	.20	191	.11	<2	2.05	.02	.06	1	<5	<1	<1
L500N 8+00E	1	15	6	73	<.1	5	4	736	2.34	2	<5	<2	5	55	.4	<2	<2	32	.41	.071	19	17	.27	322	.09	3	2.26	.02	.08	<1	<5	<1	1
L500N 8+30E	1	12	10	72	<.1	4	3	1468	1.83	<2	<5	<2	<2	28	.7	<2	<2	26	.31	.061	12	13	.21	287	.07	3	1.41	.02	.05	2	<5	<1	1
L500N 8+60E	1	6	9	61	<.1	<1	3	1555	1.30	<2	<5	<2	<2	48	<.2	<2	<2	21	.32	.048	7	9	.13	208	.06	<2	.76	.02	.04	<1	<5	<1	1
L500N 8+90E	1	15	3	64	.1	11	3	380	1.99	<2	<5	<2	4	169	<.2	<2	<2	24	.49	.119	19	13	.21	153	.11	2	2.44	.03	.06	<1	<5	1	1
L500N 9+20E	2	17	9	136	<.1	15	5	802	2.38	<2	<5	<2	6	130	.8	<2	<2	26	.33	.088	19	21	.29	264	.11	6	2.94	.02	.09	1	<5	<1	<1
L500N 9+50E	1	16	3	166	<.1	16	5	710	2.22	<2	<5	<2	4	132	.6	<2	<2	24	.39	.158	15	16	.22	307	.12	2	2.88	.02	.08	<1	<5	<1	<1
L500N 9+80E	4	24	14	123	<.1	14	6	723	2.47	<2	<5	<2	6	177	<.2	<2	<2	28	.41	.030	28	19	.30	349	.11	2	3.21	.03	.09	<1	<5	1	2
L500N 10+10E	2	14	6	95	<.1	6	4	668	1.67	<2	<5	<2	4	100	.3	<2	<2	21	.25	.089	15	13	.17	214	.09	3	1.88	.02	.08	1	<5	<1	2
L500N 10+40E	3	26	11	80	<.1	11	5	504	2.48	<2	<5	<2	7	162	.6	<2	<2	28	.42	.078	50	18	.24	409	.09	3	2.87	.02	.09	<1	<5	<1	1
L500N 10+70E	2	17	7	90	<.1	10	4	872	2.44	2	<5	<2	6	229	.3	<2	<2	27	.65	.229	25	16	.27	389	.10	3	2.63	.02	.10	<1	<5	3	<1
L500N 11+00E	6	25	21	124	.1	10	6	918	2.79	2	<5	<2	6	132	<.2	<2	<2	29	.41	.080	39	17	.25	351	.04	3	2.00	.02	.10	<1	<5	1	1
L500N 11+30E	3	28	16	124	.1	15	6	699	2.55	<2	<5	<2	6	181	.6	<2	<2	24	.51	.091	63	15	.25	407	.08	<2	2.70	.02	.11	<1	<5	<1	1
L500N 11+60E	6	28	33	92	.1	8	6	872	2.55	<2	<5	<2	5	201	.3	<2	<2	24	.62	.042	120	12	.23	369	.04	<2	2.17	.02	.11	<1	<5	<1	1
L500N 11+90E	2	31	7	82	<.1	12	5	887	2.18	<2	<5	<2	4	103	.6	<2	<2	24	.36	.054	125	13	.27	290	.07	<2	2.07	.02	.08	<1	<5	<1	1
L500N 12+20E	2	34	18	86	<.1	11	5	826	2.30	<2	<5	<2	3	143	.4	<2	<2	27	.44	.044	140	14	.32	278	.07	5	2.16	.02	.07	<1	<5	<1	1
L500N 12+50E	1	23	11	151	.1	12	6	1047	2.55	3	<5	<2	4	178	<.2	<2	<2	32	.61	.085	28	15	.43	493	.05	<2	2.27	.02	.12	<1	<5	1	<1
L500N 12+80E	1	13	7	89	<.1	<1	4	639	1.77	<2	<5	<2	3	97	<.2	<2	<2	22	.39	.060	20	9	.19	348	.06	<2	1.73	.02	.09	<1	<5	<1	<1
L500N 13+10E	<1	16	4	69	<.1	5	3	610	2.09	<2	<5	<2	4	55	.2	<2	<2	24	.26	.133	18	12	.23	275	.10	2	2.16	.02	.06	<1	<5	1	1
L500S 6+20E	1	16	10	110	.1	14	5	578	2.10	<2	<5	<2	5	36	<.2	<2	<2	24	.31	.149	22	17	.22	180	.12	4	2.96	.02	.07	<1	<5	1	1
L500S 6+50E	1	11	6	110	.1	11	5	704	1.73	2	<5	<2	3	32	.4	<2	<2	22	.30	.110	15	15	.20	175	.09	<2	1.70	.02	.06	<1	<5	<1	3
RE L500S 6+50E	<1	11	9	110	.1	11	4	697	1.75	3	<5	<2	3	32	.2	<2	<2	23	.29	.108	15	15	.20	171	.09	<2	1.70	.02	.06	<1	<5	<1	4
L500S 6+80E	1	10	11	105	<.1	10	5	707	2.03	3	<5	<2	4	27	.4	<2	<2	25	.25	.132	19	19	.25	225	.09	<2	1.99	.02	.07	1	<5	<1	3
L500S 7+10E	2	12	19	151	.2	9	4	1367	2.12	<2	<5	<2	3	40	.2	<2	<2	23	.44	.063	21	18	.31	351	.04	2	1.81	.02	.13	1	<5	<1	1
L500S 7+40E	2	15	7	110	.2	18	6	421	2.11	<2	<5	<2	3	25	<.2	2	<2	25	.23	.086	13	23	.29	149	.11	3	2.46	.02	.05	<1	<5	<1	1
L500S 7+70E	<1	17	12	112	.1	4	3	1986	1.10	2	<5	<2	<2	67	.6	<2	<2	17	.66	.072	17	9	.17	401	.06	3	.89	.03	.06	<1	<5	<1	<1
L500S 8+00E	1	19	7	73	.2	2	7	584	2.50	<2	<5	<2	5	18	.2	<2	<2	33	.16	.130	25	20	.31	97	.14	<2	3.43	.01	.06	<1	5	<1	<1
L500S 8+30E	1	13	15	62	<.1	11	4	1347	1.89	<2	<5	<2	<2	39	<.2	<2	<2	27	.40	.064	13	18	.27	235	.07	<2	1.61	.02	.06	<1	<5	1	1
STANDARD C/AU-S	18	56	38	122	6.7	67	29	1102	3.96	42	18	7	36	51	16.6	14	19	55	.51	.086	35	55	.88	186	.09	34	1.88	.05	.14	12	<5	1	47

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
L500S 8+60E	1	10	11	82	.2	10	4	848	1.95	2	<5	<2	3	21	<.2	<2	2	25	.21	.168	22	15	.22	223	.10	3	2.05	.01	.04	2	<5	<1	2
RE L500S 8+60E	1	10	10	85	.2	10	5	888	2.09	4	<5	<2	3	22	1.0	<2	2	27	.22	.178	23	16	.23	232	.10	<2	2.14	.01	.04	3	<5	1	1
L500S 8+90E	<1	12	8	47	.1	9	4	814	1.20	<2	<5	<2	<2	20	.3	<2	<2	18	.20	.076	17	13	.17	101	.06	3	.92	.02	.03	1	<5	<1	<1
L500S 9+20E	<1	21	12	93	.1	83	9	635	2.54	2	<5	<2	4	36	<.2	<2	<2	32	.32	.073	25	65	.58	203	.13	3	2.90	.02	.07	2	<5	2	<1
L500S 9+50E	1	22	15	109	<.1	83	10	465	2.45	<2	<5	<2	4	25	.6	<2	<2	29	.25	.066	14	62	.60	146	.13	<2	2.73	.02	.06	1	<5	<1	<1
L500S 9+80E	1	16	8	66	.1	87	10	792	2.18	<2	<5	<2	2	31	<.2	<2	<2	26	.31	.090	13	60	.62	269	.09	<2	1.91	.02	.06	1	<5	<1	<1
L500S 10+10E	1	15	9	74	.1	99	12	665	2.27	4	<5	<2	3	25	<.2	<2	<2	24	.20	.179	11	48	.49	244	.10	3	2.20	.02	.05	2	<5	<1	<1
L500S 10+40E	1	12	8	64	<.1	103	9	555	2.48	3	<5	<2	4	32	.5	<2	<2	30	.29	.093	16	58	.57	158	.09	<2	2.00	.02	.06	1	<5	<1	1
L500S 10+70E	<1	9	11	69	<.1	42	6	481	1.94	<2	<5	<2	4	38	.2	<2	3	20	.43	.243	12	25	.28	233	.11	<2	2.36	.02	.07	1	<5	<1	1
L500S 11+00E	1	11	5	72	.1	35	6	569	1.99	3	<5	<2	4	33	.7	<2	<2	22	.31	.153	14	29	.29	166	.12	3	2.69	.02	.05	3	<5	<1	<1
L500S 11+30E	1	30	19	107	.2	28	8	461	2.69	4	<5	<2	5	45	1.4	<2	<2	29	.51	.076	30	15	.44	262	.13	4	3.60	.02	.11	2	<5	1	<1
L500S 11+60E	1	15	32	76	.3	7	5	1195	2.33	2	<5	<2	2	27	<.2	<2	<2	27	.29	.078	25	14	.32	135	.07	2	2.00	.02	.07	1	<5	<1	<1
L500S 11+90E	1	11	16	65	.2	11	4	1579	1.69	<2	<5	<2	<2	31	.2	<2	<2	23	.31	.054	22	11	.25	201	.06	2	1.41	.02	.05	<1	<5	1	<1
L500S 12+20E	1	15	13	99	.1	5	5	2390	2.40	<2	<5	<2	<2	47	.7	<2	<2	28	.44	.137	33	14	.35	308	.06	<2	1.98	.01	.09	1	<5	<1	<1
L500S 12+50E	1	9	11	52	.1	5	3	840	1.87	2	<5	<2	<2	32	<.2	<2	2	26	.27	.055	19	11	.22	169	.08	<2	1.58	.02	.06	1	<5	<1	<1
L500S 12+80E	1	9	16	85	.1	5	3	1255	1.93	3	<5	<2	<2	36	<.2	<2	<2	23	.32	.083	20	8	.20	330	.06	4	1.20	.02	.06	<1	<5	<1	<1
L500S 13+10E	<1	11	15	123	.1	24	4	767	1.89	4	<5	<2	4	55	.3	<2	<2	21	.58	.167	26	12	.22	245	.11	3	2.48	.02	.09	1	<5	<1	<1
L500S 13+40E	1	17	16	111	<.1	12	9	1229	1.99	3	<5	<2	4	29	<.2	<2	3	24	.22	.080	29	12	.19	215	.11	3	2.64	.02	.05	1	<5	1	<1
L500S 13+70E	1	8	9	52	<.1	6	4	419	2.02	2	<5	<2	3	42	<.2	<2	3	25	.25	.075	13	10	.19	206	.10	<2	2.12	.01	.04	1	<5	<1	<1
L500S 14+00E	1	11	12	107	.1	8	4	1039	1.92	<2	<5	<2	3	29	<.2	2	2	23	.18	.141	13	10	.17	280	.09	<2	1.86	.02	.04	1	<5	1	<1
STANDARD C/AU-S	18	57	41	128	6.7	67	29	1087	3.96	39	18	7	36	51	16.8	14	21	55	.51	.085	37	55	.88	183	.09	34	1.88	.06	.14	12	<5	2	52

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

Vanguard Resources 93-1483

91 SAMPLES

ELEMENT	Min.	Max.	Mean	Med.d	Dev.	
Mo	1	6	1	1	1	ppm
Cu	6	34	13	11	6	ppm
Pb	2	33	12	11	7	ppm
Zn	47	166	91	85	28	ppm
Ag	0.1	0.4	0.1	0.1	0.0	ppm
Ni	1	103	14	10	20	ppm
Co	1	12	4	4	2	ppm
Mn	329	2390	875	743	441	ppm
Fe	0.86	2.79	1.96	1.96	0.40	%
As	2	8	2	2	1	ppm
U	5	25	5	5	2	ppm
Au	2	2	2	2	0	ppm
Th	2	8	4	4	2	ppm
Sr	18	229	57	38	45	ppm
Cd	0.2	1.4	0.4	0.2	0.2	ppm
Sb	2	2	2	2	0	ppm
Bi	2	3	2	2	0	ppm
V	14	33	24	24	4	ppm
Ca	0.16	0.88	0.34	0.31	0.13	%
P	0.026	0.309	0.096	0.079	0.055	%
La	5	564	29	18	60	ppm
Cr	5	65	17	15	12	ppm
Mg	0.13	0.62	0.26	0.22	0.10	%
Ba	87	496	233	221	93	ppm
Ti	0.02	0.14	0.08	0.09	0.03	%
B	2	7	3	2	1	ppm
Al	0.76	3.60	2.03	2.00	0.62	%
Na	0.01	0.03	0.02	0.02	0.00	%
K	0.03	0.18	0.07	0.06	0.03	%
W	1	3	1	1	0	ppm
Tl	5	5	5	5	0	ppm
Hg	1	3	1	1	0	ppm
Au*	1	3	1	1	1	ppb

GEOCHEMICAL ICP ANALYSIS

Vanguard Consulting Ltd. PROJECT BURR File # 93-1483 Page 1
7 - 1825 Nelson St., Vancouver BC V6G 1M9

SAMPLE#	As ppm	Sb ppm	Bi ppm	Ge ppm	Se ppm	Te ppm
L1500N 8+00E	2.1	.2	.6	<.1	.4	<.1
L1500N 8+30E	2.2	.3	.9	<.1	.2	.1
L1500N 8+90E	2.4	.3	.6	<.1	.2	.1
L1500N 9+20E	1.0	.2	.6	<.1	.2	<.1
L1500N 9+50E	1.1	.1	.3	<.1	.7	<.1
L1500N 9+80E	1.0	.2	.4	<.1	.5	.1
L1500N 10+10E	1.6	.2	.3	<.1	.4	.1
L1500N 10+40E	1.9	.3	.8	<.1	.3	<.1
L1500N 10+70E	.9	.2	.5	<.1	.2	<.1
L1500N 11+00E	1.1	.2	.4	<.1	.2	<.1
L1500N 11+30E	1.2	.2	.5	<.1	.3	.1
L1500N 11+60E	1.6	.2	.4	.1	.3	.4
L1500N 11+90E	2.2	.2	.3	<.1	.2	<.1
L1500N 12+20E	.5	.2	.3	<.1	.2	<.1
L1500N 12+50E	1.3	.2	.3	.1	.2	.2
L1500N 12+80E	1.3	.2	.3	<.1	.2	<.1
L1500N 13+10E	1.2	.2	.4	<.1	.2	.1
L1500N 13+40E	1.4	.2	.4	<.1	.2	.2
L1500N 13+70E	2.6	.3	.5	.1	.2	.1
L1500N 14+00E	1.6	.2	.4	<.1	.2	.1
L1500N 14+30E	1.1	.4	.3	<.1	.1	.1
L1500N 14+60E	.9	.3	.3	<.1	.2	<.1
L1500N 14+90E	1.4	.3	.7	<.1	.1	<.1
L1500N 15+20E	1.3	.3	.6	.1	.2	.4
L1000N 8+60E	3.3	.3	.6	.1	.2	.3
L1000N 8+90E	2.1	.3	.5	<.1	.1	<.1
L1000N 9+20E	.9	.2	.4	.1	.2	.3
L1000N 9+50E	.8	.2	.1	<.1	.2	<.1
L1000N 9+80E	1.2	.2	.4	.1	.2	.3
RE L1000N 9+80E	1.2	.2	.4	<.1	.2	.2
L1000N 10+10E	1.0	.2	.4	<.1	.2	.4
L1000N 10+40E	1.2	.2	.4	<.1	.2	<.1
L1000N 10+70E	1.3	.4	.6	<.1	.2	<.1
L1000N 11+00E	1.9	.2	.3	<.1	.3	.2
L1000N 11+30E	1.9	.2	.4	.1	.3	.2
L1000N 11+60E	1.1	.1	.3	<.1	.3	<.1
L1000N 11+90E	1.5	.1	.3	.1	.3	.3
STANDARD C	41.0	19.5	20.7	.2	.6	.2

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 deg.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
ANALYSIS BY HYDRIDE ICP. GE - PARTIAL LEACHED.
- SAMPLE TYPE: SOIL Samples beginning 'RE' are duplicate samples.

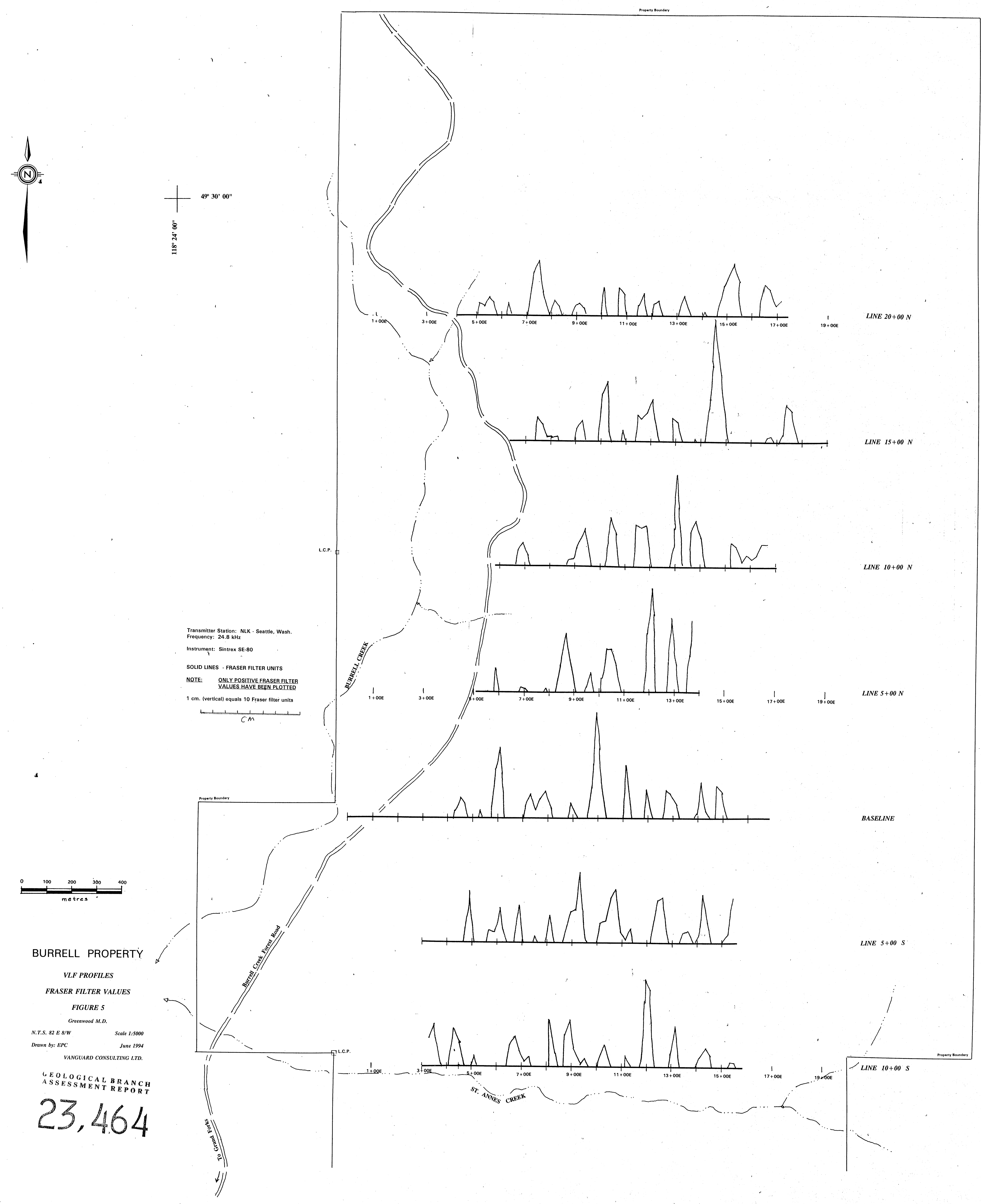
DATE RECEIVED: JUL 12 1993 **DATE REPORT MAILED:** July 16/93 **SIGNED BY**.........D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	As ppm	Sb ppm	Bi ppm	Ge ppm	Se ppm	Te ppm
L1000N 12+20E	2.0	.1	.3	<.1	.3	<.1
L1000N 12+50E	2.5	.2	.4	<.1	.3	<.1
L1000N 12+80E	1.6	.2	.4	<.1	.2	<.1
L1000N 13+10E	2.1	.1	.3	<.1	.2	.1
L1000N 13+40E	1.5	.1	.2	<.1	.2	<.1
L1000N 13+70E	2.7	.2	.3	<.1	.2	.1
L1000N 14+00E	1.6	.3	.4	<.1	.2	<.1
L1000N 14+60E	1.8	.2	.3	<.1	.2	<.1
L1000N 14+90E	2.0	.1	.1	<.1	.1	<.1
L1000N 15+20E	1.8	.1	.3	<.1	.2	<.1
L500N 8+00E	1.9	.2	.4	<.1	.1	<.1
L500N 8+30E	1.9	.2	.3	<.1	.1	<.1
L500N 8+60E	1.2	.2	.3	<.1	.1	.2
L500N 8+90E	3.9	.2	.5	<.1	.1	<.1
L500N 9+20E	2.2	.2	.4	<.1	.1	<.1
L500N 9+50E	2.6	.2	.4	<.1	.1	<.1
L500N 9+80E	1.7	.2	.5	<.1	.1	.2
L500N 10+10E	2.4	.2	.4	<.1	.1	<.1
L500N 10+40E	1.9	.2	.5	<.1	.1	.1
L500N 10+70E	2.9	.2	.5	<.1	.1	<.1
L500N 11+00E	1.5	.2	.7	<.1	.1	.1
L500N 11+30E	1.3	.2	.6	<.1	.1	.2
L500N 11+60E	.9	.2	.9	<.1	.1	.2
L500N 11+90E	1.0	.2	.4	<.1	.1	.1
L500N 12+20E	1.3	.2	.6	<.1	.2	.1
L500N 12+50E	2.1	.2	.5	<.1	.1	.3
L500N 12+80E	.9	.2	.4	<.1	.1	<.1
L500N 13+10E	1.6	.2	.3	<.1	.1	<.1
L500S 6+20E	2.9	.2	.4	<.1	.2	.2
L500S 6+50E	1.9	.2	.3	<.1	.3	.1
RE L500S 6+50E	1.9	.1	.3	<.1	.2	.1
L500S 6+80E	2.6	.2	.5	<.1	.3	.1
L500S 7+10E	2.9	.2	3.3	<.1	.3	.1
L500S 7+40E	2.8	.2	.8	<.1	.3	.2
L500S 7+70E	3.5	.2	.5	<.1	.2	.1
L500S 8+00E	2.8	.3	.5	<.1	.3	.1
L500S 8+30E	3.5	.4	.5	<.1	.2	.3
STANDARD C	41.7	19.7	20.8	.2	.5	.1

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.

SAMPLE#	As ppm	Sb ppm	Bi ppm	Ge ppm	Se ppm	Te ppm
L500S 8+60E	3.2	.2	.4	.1	.3	<.1
RE L500S 8+60E	3.3	.2	.5	<.1	.2	<.1
L500S 8+90E	2.1	.2	.4	<.1	.2	<.1
L500S 9+20E	2.5	.3	.6	<.1	.3	<.1
L500S 9+50E	2.7	.2	.6	.1	.3	.1
L500S 9+80E	2.5	.4	.5	.1	.4	<.1
L500S 10+10E	2.7	.3	.5	<.1	.3	<.1
L500S 10+40E	2.5	.3	.4	<.1	.3	<.1
L500S 10+70E	2.7	.2	.5	<.1	.3	<.1
L500S 11+00E	3.2	.6	.9	<.1	.3	<.1
L500S 11+30E	4.3	.4	1.2	<.1	.2	<.1
L500S 11+60E	3.5	.5	1.0	<.1	.2	.2
L500S 11+90E	2.0	.4	.5	<.1	.1	<.1
L500S 12+20E	4.8	.6	1.1	<.1	.2	.1
L500S 12+50E	3.1	.4	.5	<.1	.1	<.1
L500S 12+80E	3.3	.4	.5	<.1	.2	.1
L500S 13+10E	2.9	.3	.5	<.1	.1	<.1
L500S 13+40E	1.9	.4	.5	<.1	.2	<.1
L500S 13+70E	2.1	.3	.3	<.1	.1	<.1
L500S 14+00E	1.9	.3	.3	<.1	.2	.1
STANDARD C	41.0	20.0	21.0	.2	.7	.2

Sample type: SOIL. Samples beginning 'RE' are duplicate samples.



BURRELL PROPERTY

VLF PROFILES

FRASER FILTER VALUES

FIGURE 5

Greenwood M.D.

N.T.S. 82 E 8/W *Scale 1:5000*

Drawn by: EPC *June 1994*

VANGUARD CONSULTING LTD.

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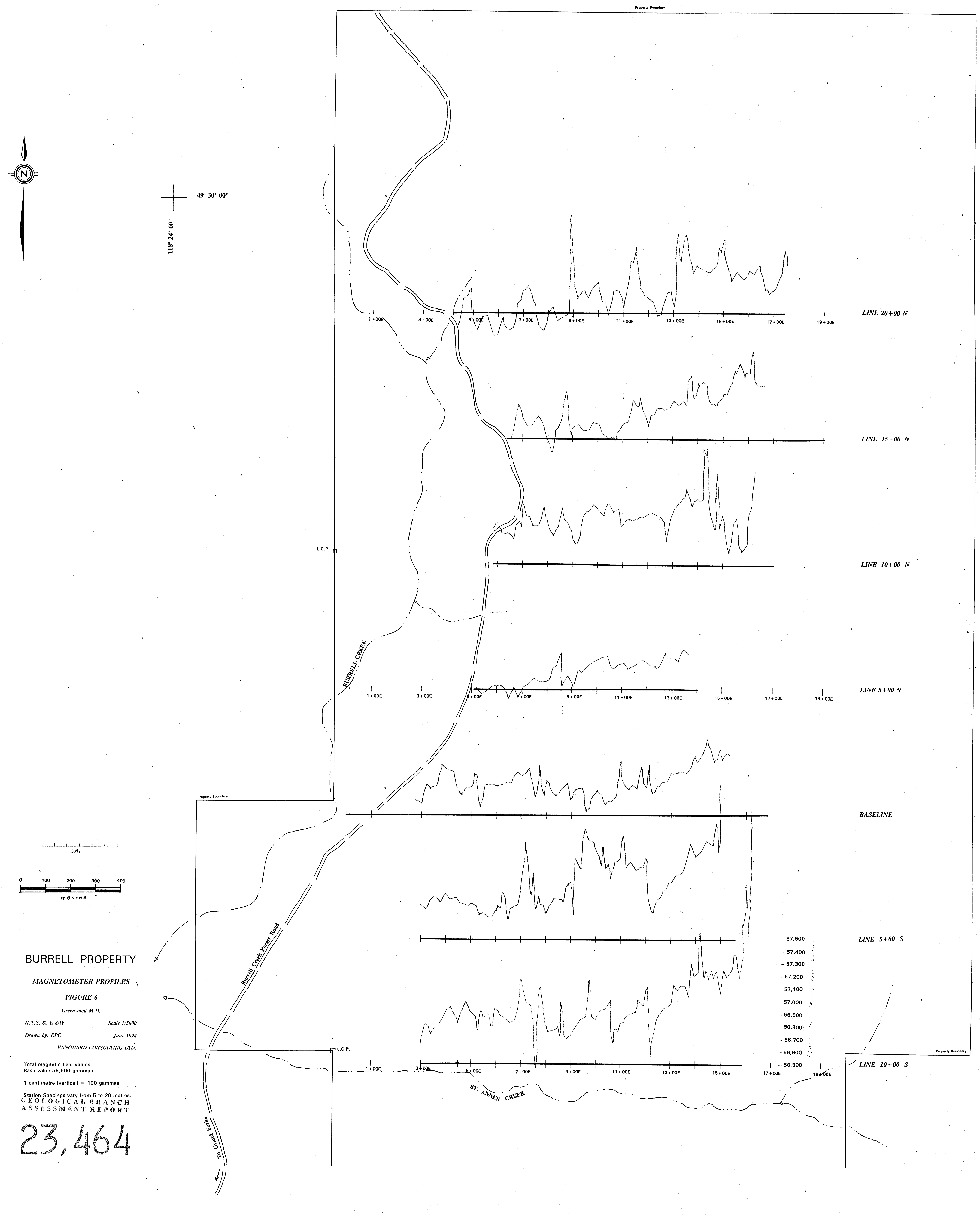
ASSESSMENT REPORT

23,464



BURRELL PROPERTY

MAGNETOMETER PROFILES

FIGURE 6

Greenwood M.D.

N.T.S. 82 E 8/W *Scale 1:5000*

Drawn by: EPC *June 1994*

VANGUARD CONSULTING LTD.

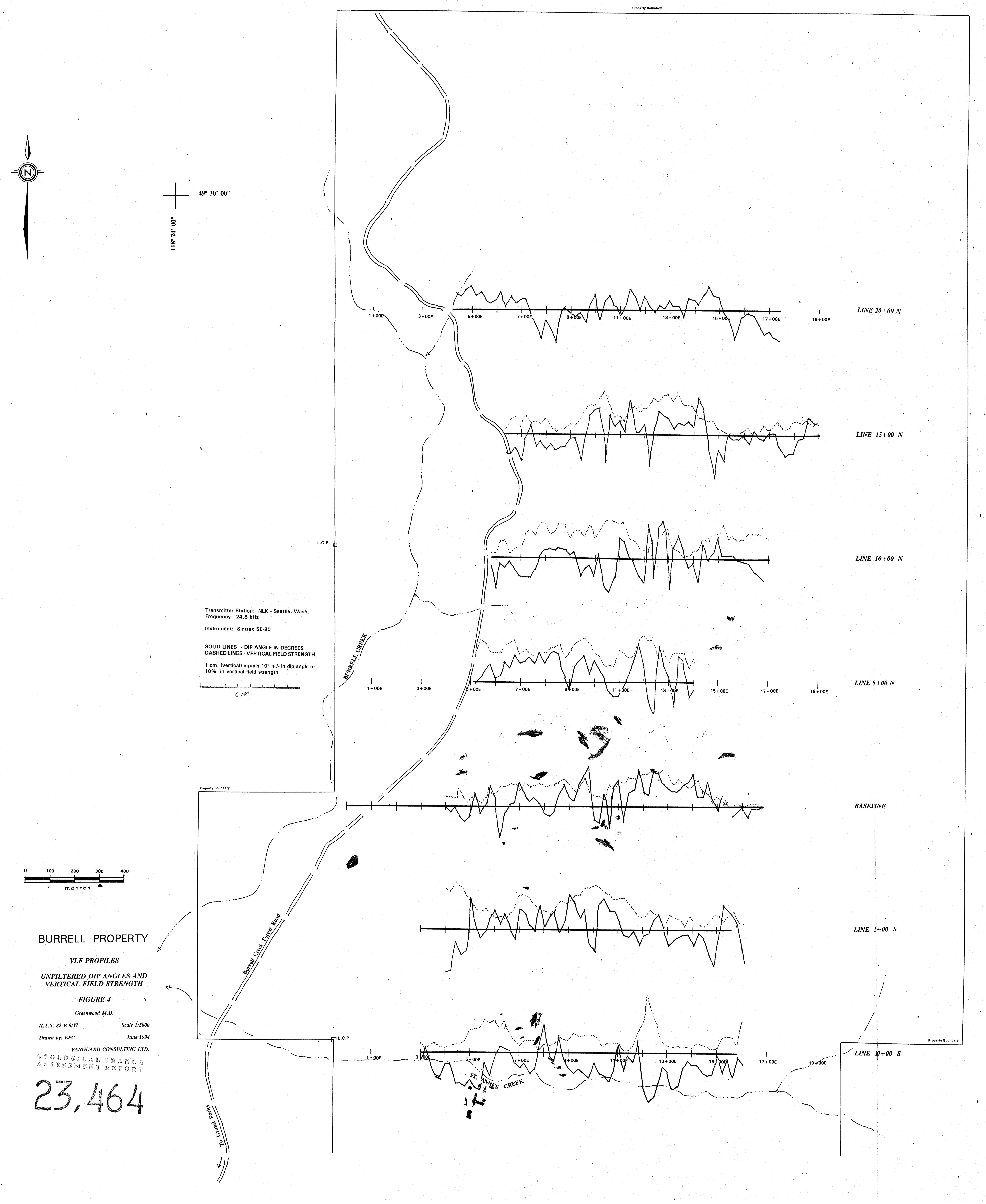
Total magnetic field values.
Base value 56,500 gammas

1 centimetre (vertical) = 100 gammas

Station Spacings vary from 5 to 20 metres.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,464



BURRELL PROPERTY

VLF PROFILES

UNFILTERED DIP ANGLES AND VERTICAL FIELD STRENGTH

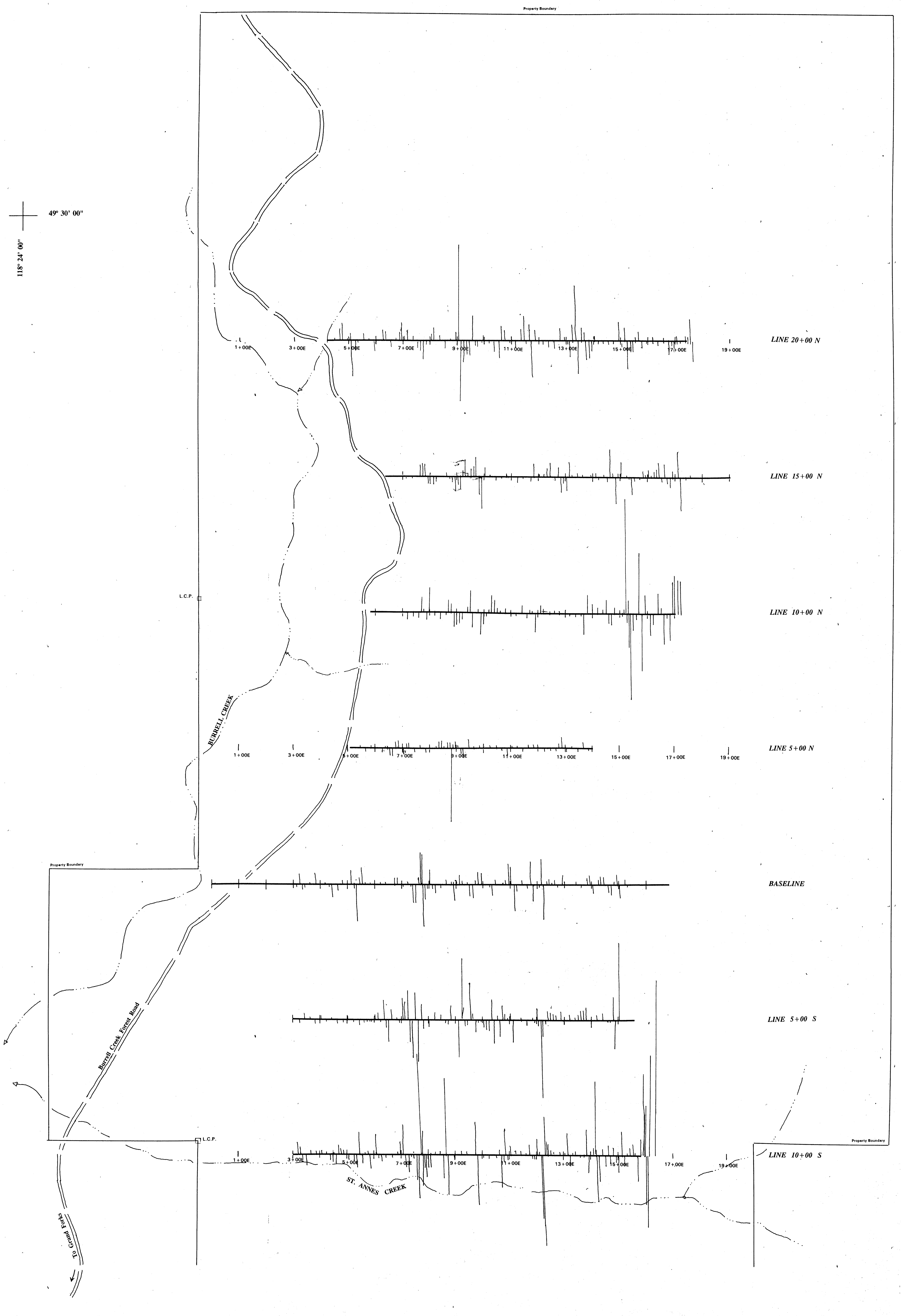
FIGURE 4

Greenwood M.D.

N.T.S. 82 E 8/W *Scale 1:5000*

Drawn by: EPC *June 1994*

VANGUARD CONSULTING LTD.



Vertical bars represent the change in total field strength from the reading at the previous station divided by the distance between stations. Longer bars denote areas of steeper magnetic gradient.

0 100 200 300 400
metres

BURRELL PROPERTY

***MAGNETOMETER PROFILES
STATION TO STATION CHANGE
EXPRESSED AS GAMMAS/METRE***

FIGURE 7
Greenwood M.D.

N.T.S. 82 E 8/W *Scale 1:5000*

Drawn by: EPC *June 1994*

VANGUARD CONSULTING LTD.

cm

1 centimetre (vertical) = +/- 10 gammas/metre

Station Spacings vary from 5 to 20 metres.