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ASSESSMENT REPORT on the

FILE NO:

BAKER PROJECT TOODOGGONE AREA

Omineca Mining Division North-Central British Columbia

N.T.S. 94 E/6E

Latitude 57° 16'N TO 57° 18'N Longitude 127° 6'W TO 127° 9'W

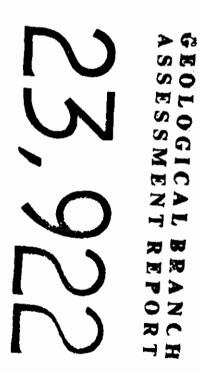
for

Baker Lake Gold Mines Inc. 403-1661 Portage Avenue Winnipeg, MB R3J 3T7 Tel: (204) 925-1112 Fax: (204) 786-6924

by

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April 30, 1995



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SUMMARY

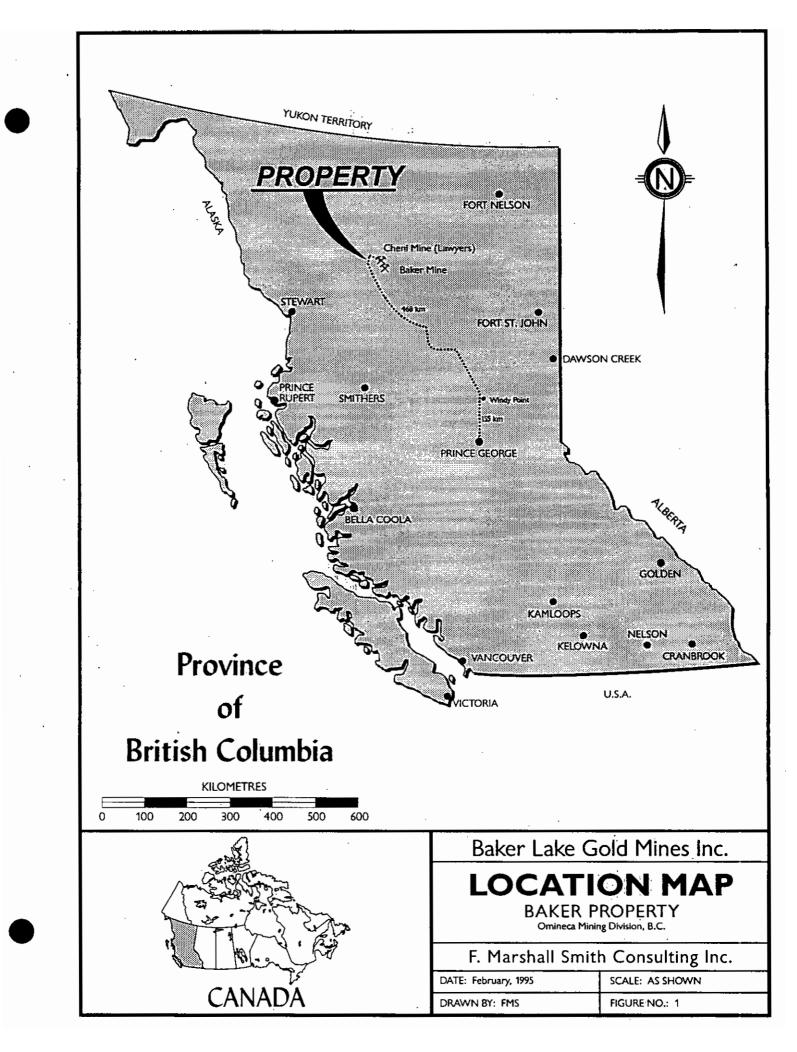
The Baker Project consists of 22 claims owned directly by Baker Lake Gold Mines Inc. and 12 Chappelle claims under option from Multinational Resources Inc. The claims are all within claim sheet 94E/6E. The Project covers an area of alpine topography south of the Toodoggone River in the Samuel Black Range of the Omineca, British Columbia. The central portion consists of 'U'-shaped valleys draining to the southeast to Black Lake. The range of relief is from 1900 to 1500 metres with treeline about 1600 metres.

The project claims are in northwestern British Columbia in the Toodoggone mining camp. The district can be reached by fixed wing aircraft from either Terrace or Smithers to the Sturdee airstrip or by road from Windy Point. This junction is 155 km north from Prince George. The gravel road from Windy Point to the Cheni minesite is 468 kilometres and about 450 kilometres to the abandoned Baker Mine site.

The Baker Property is about 3 kilometres east of the Sturdee airstrip. From the airstrip the road branches east to the Baker Mine and north to the Cheni camp. The Baker Mine road connects to Cheni camp by summer route over the Tiger notch. Access to the claims is by two summer 4x4 roads dating from work by Du Pont of Canada Inc.

In 1824, the explorer Samuel Black noted in his diary the unusual and many gossanous colors in the headwaters of the Findlay River system. The Chappelle claims were staked over a period of years from 1968 to 1971 by Kennecott Explorations (Western) Limited as a result of a regional geochemical exploration program exploring the gossanous areas for porphyry copper deposits. Follow-up prospecting discovered quartz float containing high grade gold and silver values. Between 1970 and 1972, Kennecott located and exposed a 250 by 2 metre quartz vein containing gold and silver values of 5 ounces gold per ton and 400 ounces silver per ton over vein widths of 3 metres. After acquiring and detail drilling the property, Du Pont of Canada, in 1980, put the property into production at a rate of 100 tons per day on a year round basis until the reserve was exhausted in 1983. In July 1985, Multinational Resources Inc. optioned the Chappelle property from Du Pont of Canada. The first seasons work located hidden mineralization on the B vein. A test program of heavy mineral sampling using a portable dredge led to the location of several major anomalies not explained by known mineralization

The geology of the Baker Project area consists of a small window of Upper Triassic Takla (Stuhini) Group volcanic rocks intruded by granitic stocks of the Late Triassic-Early Jurassic Omineca Intrusions and overlain unconformably by Jurassic and younger volcanic and sedimentary rocks. The oldest rocks in the area are occasional wedges of crystalline limestone, up to 150 metres or more thick, which are part of the Permian Asitka Group. To the north and east, the Takla Group rocks are unconformably overlain by gently dipping porphyritic flows and fragmental rocks of the Lower- Middle Jurassic Toodoggone Formation. To the west, the Toodoggone volcanics are unconformably overlain by Upper



Cretaceous-Eocene age Sustut Group sedimentary rocks. The rocks in the area have been subjected to extensive normal block faulting from Jurassic to Tertiary time, and by thrusting of the Asitka Group rocks over the Takla Group rocks during the Middle Jurassic.

During 1993 and 1994 five large new vein systems were discovered on the Baker Project claims. Veins range up to 50 foot thick and 200 feet long with pyrite, calcite and quartz fill similar to the A and B veins in the district. Sampling and drill testing has failed to locate an economic deposit on these structures. One vein with narrow exposure carries 0.15 ounces gold per ton at surface, remains untested by drilling. This structure is parallel to the West Chappelle vein swarm and has been explored by trenching and IP survey as well. Like the B vein, the structure is narrow and discontinuous on surface but has a large area of intense wallrock alteration. IP anomalies are distinct along the known trace of the structure and extend the zone for at least 100 metres.

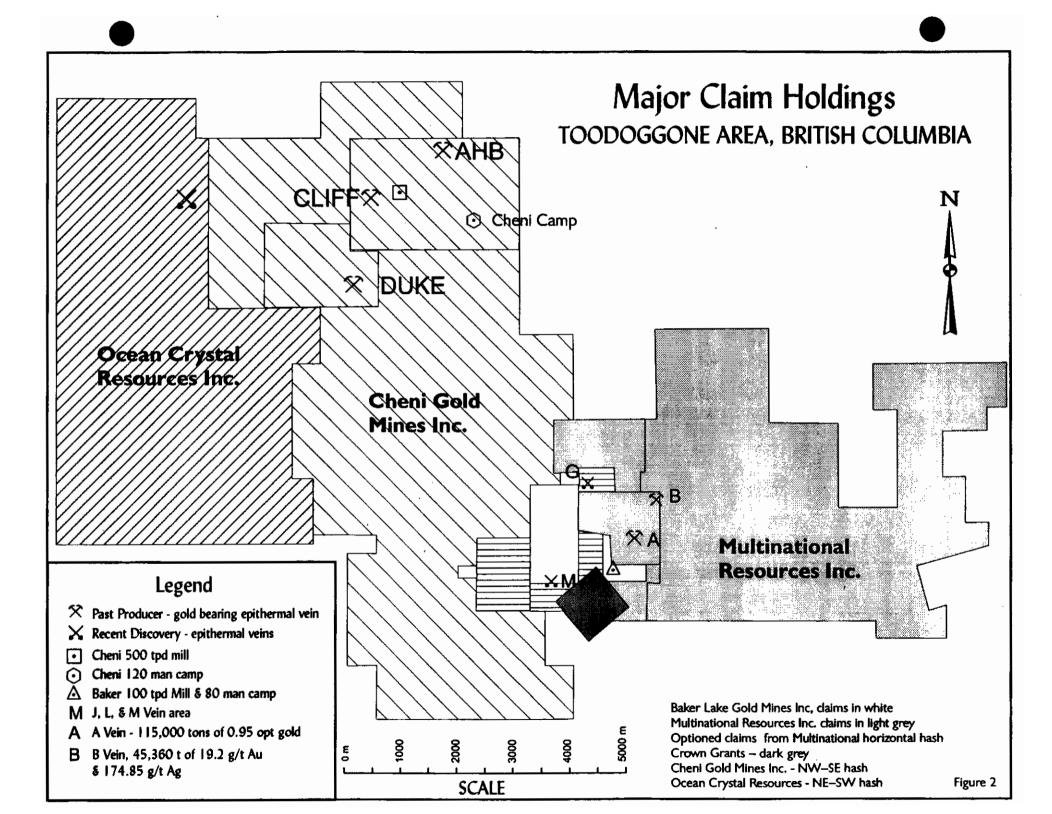
This gold bearing structure should be drill tested in a modest program. If there is a gold bearing vein with economically significant assays the area to the south on Chappelle 21, 22 and 40 should be opened by trenching, evaluated by IP survey and drill tested if similar to the B and the vein in Trench 93-01.

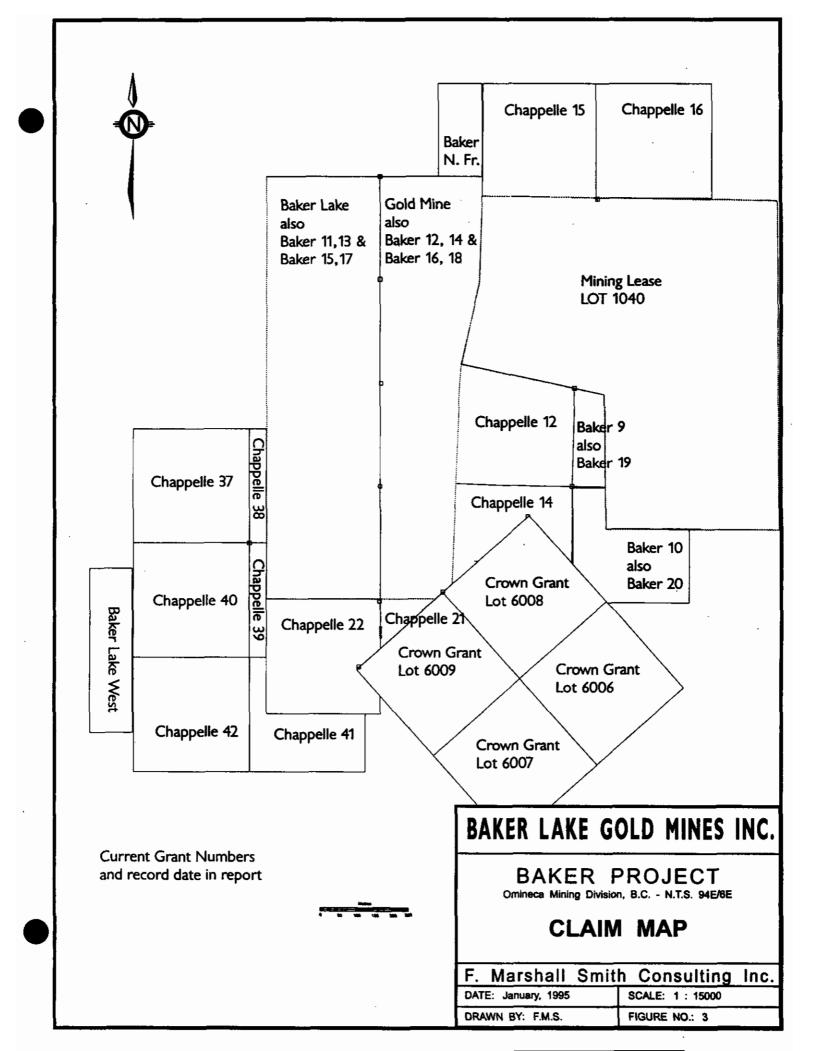
PROPERTY

The Baker Project consists of 22 claims owned directly by Baker Lake Gold Mines Inc. and 12 Chappelle claims under option from Multinational Resources Inc. The claims are all within claim sheet 94E/6E.

The following are the Baker Lake Gold Mines claims as of February 11, 1995:

Claim Name	Units/Claims	Record Number	Expiry Date
Baker 9, 10	2	316840, 41	03 04 1998
Baker 11-18	8	320287-294	21 08 1998
Baker 19, 20	2	320691, 92	29 08 1998
Baker Lake	4	330668	07 09 1998
Gold Mine	4	330669	09 09 1998
Baker Lake West	1	330670	12 09 1999
Baker North Fr.	1	330671	08 09 1999





Claim Name	Claims	Record Number	Expiry Date
Chappelle 12	1	244952	11 02 2005
Chappelle 14	1	244954	11 02 2005
Chappelle 15	1	244955	11 02 2005
Chappelle 16	1	244956	11 02 2005
Chappelle 21	1	244961	11 02 2005
Chappelle 22	1	244962	11 02 2005
Chappelle 37	1	307066	11 02 2005
Chappelle 38	1	244972	11 02 2005
Chappelle 39	1	244973	11 02 2005
Chappelle 40	1	244974	11 02 2005
Chappelle 41	1	244975	11 02 2005
Chappelle 42	1	244976	11 02 2005

The following are the Multinational Resources Inc. claims as of February 11, 1995:

Baker 11 to 18 will be abandoned into Baker Lake and Gold Mine metric claims during 1995 to consolidate the overlapping of the various claims. Baker 1 to 8 were abandoned into Baker Lake and Gold Mine in 1994. The Baker 1 to 10 were located during winter conditions in 1993 with some minor gaps between claims and along the western side. The Baker 11 to 20 were located during the summer of 1994 to cover the ground that had been allowed to come open by the forfeiture of Chappelle claims in the area. The Baker Lake and Gold Mine metric claims were located to allow the abandoning into the minimum of claims. The locator of the Baker 11 to 20 is based on the discovery of the original Kennecott Canada posts with tags on the property. As most of this original claim location was by witness post the boundaries of forfeited claims was determined by the location of all the witness posts.

All lines for all Baker Gold Mines claims are well marked in areas of vegetation and posts flagged, painted and lines marked by rebar or wooden pickets. All Chappelle claims have been validated by being held continuously for more than twenty years.

PHYSIOGRAPHY and VEGETATION

The Baker Project covers an area of alpine topography south of the Toodoggone River in the Samuel Black Range of the Omineca, British Columbia. The central portion consists of 'U'-shaped valleys draining to the southeast to Black Lake. The range of relief is from 1900 to 1500 metres with treeline about 1600 metres.

The ridge walls and terraces are all covered in light alpine vegetation and the topography consists of relatively steep relief, except for valley floors. The valleys are covered in dense balsam fir with patches of black spruce, willow and ground birch. Alpine vegetation is predominantly heather and sedges.

Outcrop is common at higher portions and along the walls of the valleys. The fresh mafic andesites form cliffs and scattered outcrops throughout the valley. Areas of alteration tend to from into long orange gossanous skrees. Glacial deposits cover large portions of the bottoms of West Chappelle and C creeks.

Extensive studies have been done on the environmental impact of Baker Mine and Cheni Mine on the flora and fauna. Du Pont of Canada Exploration Limited found that the mine and the environment can work well together without significant impact on the local conditions. Until the road was opened to public traffic, there had been no pressure on the local caribou, sheep or moose population. Mining in the district has had no measurable effect on the local populations of caribou or moose. Recent opening of the Cheni road to general access has put extreme pressure on the moose, sheep and caribou populations by native and other hunters.

LOCATION and ACCESS

The project claims are in northwestern British Columbia in the Toodoggone mining camp. The district can be reached by fixed wing aircraft from either Terrace or Smithers to the Sturdee airstrip or by road from Windy Point. This junction is 155 km north from Prince George. The gravel road from Windy Point to the Cheni minesite is 468 kilometres and about 450 kilometres to the abandoned Baker Mine site.

The last part of the way the road is private and there is a user fee of \$1,000 per user group. It takes a full day from Prince George to drive in, and there are no gas, food or accommodation services on the road. The road closes in the fall when the snow closes the two high passes.

The Baker Property is about 3 kilometres east of the Sturdee airstrip. From the airstrip the road branches east to the Baker Mine and north to the Cheni camp. The Baker Mine road connects to Cheni camp by summer route over the Tiger notch. Access to the western portion of the claims is by two summer roads dating from work by Du Pont of Canada Inc. The southern road leaves the north end of the Baker Camp site and follows the northern side to West Chappelle Creek to near the head waters where it crosses the creek and climbs to a kame terrace and the West Chappelle vein site. The northern road starts out just north of the old open pit on the A vein, traverses westward across the A vein ridge and follows the north side of C creek to the C vein site.

HISTORY of CAMP

In 1824, the explorer Samuel Black noted in his diary the unusual and many gossanous colors in the headwaters of the Findlay River system. In 1915, Charles McClair placer mined \$17,500.00 in gold north of the Toodoggone River. In 1929, Cominco explored

several base metal showings in the camp, and in 1933 a group re-explored McClair's placer gold prospects.

The Chappelle claims were staked over a period of years from 1968 to 1971 by Kennecott Explorations (Western) Limited as a result of a regional geochemical exploration program. Follow-up prospecting by Gordon Davies, a Kennecott prospector, discovered quartz float containing high grade gold and silver values. Subsequent work on the claims in 1969 and 1970 consisted of soil and rock geochemistry over many of the gossanous areas to locate the source of gold and silver found in stream sediment samples. Between 1970 and 1972 Kennecott located and exposed a 250 by 2 metre quartz vein containing zones of high grade gold and silver. Values of 5 ounces gold per ton and 400 ounces silver per ton over vein widths of 3 metre were common. Very limited work was done on the claims apart from that on the high grade vein. Several smaller veins were located by prospecting and hydraulic trenching, however no precious metal values were associated with them.

Conwest Exploration Ltd. optioned the claims in 1972 and paid the costs of building a 1,000 m airstrip at Black Lake, a road to the camp and about 213 m of underground drifting on the 1,650 m elevation level. Here, Conwest intersected only barren quartz vein about 50 m below surface. Subsequent underground diamond drilling failed to locate mineralized vein material. Conwest canceled their option in late 1973.

In early 1974, under the management of D.A. Barr, P.Eng., newly formed Du Pont of Canada Exploration Limited optioned the Chappelle claims with the intention of close spaced surface diamond drilling to better define the vein structure. Further surface diamond drilling in 1975 indicated the presence of significant tonnages of gold and silver mineralization within a near vertically dipping vein structure. In 1976 Du Pont went underground to test the homogeneity of the mineralization. Fill in diamond drilling was also undertaken. The results of the 1976 program provided Du Pont with a revised tonnage and grade of approximately 51,000 tons grading 0.90 oz Au and 21.0 ounces silver per ton.

Exploration work on the Chappelle claims resumed in 1979 when Du Pont undertook an underground drifting and surface diamond drilling program. This program was designed to add more detailed vein location information for future underground development, sample the vein and extend known shoots of mineralization.

In 1980 a decision was made by Du Pont to put the property into production at a rate of 100 tons per day on a year round basis. Full scale production started in early 1981 and the first silver-gold brick was poured on April 3, 1981. Subsequent exploration of the Chappelle claims consisted of reconnaissance geochemical surveys on the Northeast block and diamond drilling of the B, C, D and West Chappelle veins in 1981. The following year, detailed soil and rock geochemical surveys were conducted over the West Chappelle

and A veins as well as the northeast block. This was followed by a program of surface diamond and percussion drilling in the A vein area, in an attempt to increase mineable reserves. Unfortunately, these efforts were unsuccessful, and the mine was closed after exhausting its ore reserves on December 1, 1983.

In July 1985, Multinational Resources Inc. optioned the Chappelle property from Du Pont of Canada. During the first seasons work, an IP test program, trenching on the A, B, Dand E vein areas with drilling on the B, D, E and West Chappelle led to the discovery of the hidden mineralization on the B vein. A test program of heavy mineral sampling using a portable dredge led to the location of several major anomalies not explained by known mineralization. The most anomalous are from a small creek spur of C creek that drains Chappelle 15 and 16 claims and the southern tributary of West Chappelle creek that commences near the barren West Chappelle vein.

During 1992, a consortium of Sable Resources and Shasta International used the old Baker Mine mill and mined from the Shasta deposit and part of the B zone of the Baker Mine.

Work Program in 1993, Baker Project

In February 1993 a portion of the original Chappelle claims was forfeited by Multinational Resources Inc. Mr. David Javorsky acquired the property by location of the Baker claims in April 1993. Mr. Javorsky optioned the property to a private company based in Winnipeg. This company raised funds for a preliminary program in the summer of 1993.

The 1993 exploration by a predecessor to Baker Lake Gold Mines Inc. program was designed to locate additional mineralization on the Baker 1-8 claims (now Baker Lake and Gold Mine claims) through detailed prospecting followed by trenching. The majority of the work focused on the south end of the western block as a follow up to heavy sediment sampling during 1985 (Multinational) which returned 5300 ppb gold in a portable dredge sample. The other two blocks were examined but no detailed work was carried out and the eastern most claims were judged to be of no further interest and allowed to lapse.

Work consisted of claim post surveying, staking of open ground, detailed prospecting, grid construction, geological mapping, bulldozer trenching (D-6 and D-8), trench mapping, rock sampling and trench reclamation.

Fifty-eight rock samples were collected by Mr. Steven Coombes, P.Geo. from the claims including 53 channel samples (trench 93-04), and 5 grab samples. Eight of the rock samples were duplicate check samples collected by Mr. Burton, P.Eng. All trenches were re-contoured using a D-8 bulldozer and seeded with only minor amounts of bedrock left exposed.

The trenching revealed one area of primary interest. Trench 93-04 is located about 110m west of the west-most end of the West Chappelle Vein, formerly evaluated by Du Pont of Canada Exploration Ltd. and Multinational Resources Inc. by trenching and diamond drilling. This trench exposed a massive, sulphide bearing quartz vein (J) with an exposed strike length of 33 metres (108 feet) and widths between 2 and 6 metres (6.6 to 19.7 feet) hosted by a major east-west shear zone. Quartz is also exposed in pods within the shear zone over an additional 45 metres to the east of the vein. This structure had not been previously discovered but samples collected from minor parallel veins immediately to the north reportedly returned elevated gold values.

Assay results from the sampling of the J vein by Coombes and Burton are not of economic significance. The size and intensity of the alteration, size and character of the vein filling and the shape of the alteration define most of the characteristics for drilling. Further work was recommended by Mr. Coombes.

The initial trenching in 1993 located on the first trench, a large area of alteration that yielded one sample with 0.15 ounces gold per ton. This vein zone was considered too narrow to justify further work in 1993. The 1993 program did not locate the source of the stream gold anomaly but did locate a new vein similar to gold bearing veins in the district.

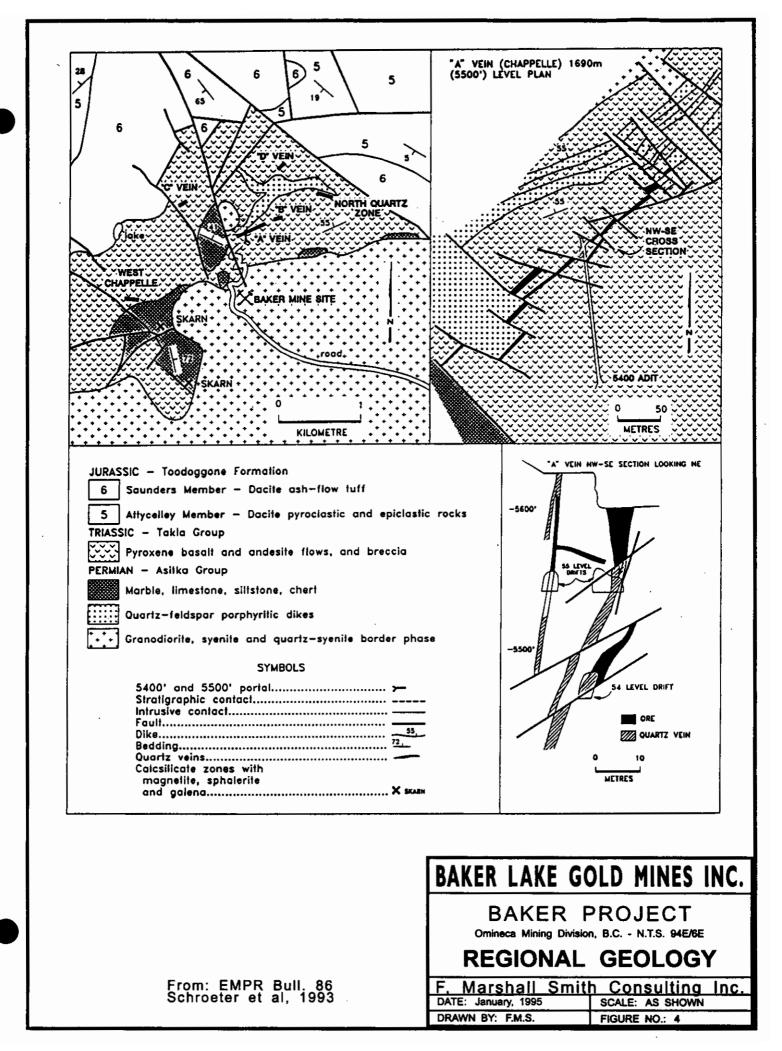
GEOLOGY of CAMP

The Toodoggone district lies within the eastern margin of the Intermontane Belt, of the Canadian Cordillera. The oldest rocks in the area are tilted and broadly folded cherts, volcanics and limestones of the Asitka Group of Paleozoic Age. The next oldest rocks are Takla Group of Triassic Age, consisting of basalt flows, andesitic to dacitic flows and pyroclastic rocks.

Intrusive into the above units are small stocks of Omineca Intrusives of Jurassic and Cretaceous Age. These rocks range in composition from granodiorite to syenite. Minor syenomonzonite and quartz feldspar porphyry stocks and dykes, appear to be part of the Omineca Intrusions and act as feeders to the younger Toodoggone volcanic rocks which unconformably overlie the Takla Group.

Toodoggone rocks form an over 500 metre thick pile of complexly intercalated volcanic and volcano-sedimentary rocks of Lower to Middle Jurassic Age. These rocks consist of a lower volcanic assemblage of andesitic effusives, a middle assemblage of trachytes, crystal and lithic tuffs, welded tuffs, and an upper suite of lacustrine volcanic sediments and younger andesitic flows with minor quartz feldspar porphyries. To the east the Toodoggone rocks are in fault contact with Permian Asitka rocks.

Flanking the area to the west is the nearly flat lying to westerly dipping, Upper Cretaceous to Tertiary Age, Tango Creek Formation of the Sustat Group. This formation consists of



interbedded pebble conglomerate and sandstones composed, in large part, of quartz and volcanic rock fragments. These sediments unconformably overlie the Takla and Toodoggone volcanic rocks.

The eastern contact for the district is a major series of faults and thrusts with the Jurassic age Haselton group of the Toodoggone volcanics to the east of the faults. Both the Takla and the Toodoggone host gold mineralization.

Brecciation along major faults and splays resulted in silicification and epithermal mineralization, like the Castle and Drybrough northwest fault and subsidiary splays from regional fault systems. There are several sets of faults that host mineralization but the north-north-east and the east-west set may be the critical directions for openings for hydrothermal solutions. The A vein at Baker Mine is the largest and best grade of all of the veins in the district and it is in a north-north-east striking structure. The C, West Chappelle and the discoveries in 1994 all are nearly east-west striking.

Porphyry deposits including the Fin, Kemess, to the south and Porphyry Pearl to the north are known around the claims. They are of interest for their copper, molybdenum, and gold plus silver content. It is the value of their gold and silver that makes them more interesting than before when only the copper and molybdenum had economic significance.

GEOLOGY, BAKER MINE AREA

A small window of Upper Triassic Takla (Stuhini) Group volcanic rocks are intruded by granitic stocks of the Late Triassic-Early Jurassic Omineca Intrusions and overlain unconformably by Jurassic and younger volcanic and sedimentary rocks. The oldest rocks in the area are occasional wedges of crystalline limestone, up to 150 metres or more thick, which are part of the Permian Asitka Group. To the north and east, the Takla Group rocks are unconformably overlain by gently dipping porphyritic flows and fragmental rocks of the Lower- Middle Jurassic Toodoggone Formation. To the west, the Toodoggone volcanics are unconformably overlain by Upper Cretaceous-Eocene(?) Sustut Group sedimentary rocks. The rocks in the area have been subjected to extensive normal block faulting from Jurassic to Tertiary time, and by thrusting of the Asitka Group rocks over the Takla Group rocks during the Middle Jurassic.

Four principal rock units of the Takla Group underlie the Baker property: augite porphyritic andesite, fine-grained andesite, pyroclastic breccia, and feldspar porphyritic andesite. A dacite unit has been recognized on Baker Lake claim and Chappelle 21 & 22 area. This unit is approximately 10 to 20 metres thick. The oldest and most prevalent unit to the east is the augite porphyritic andesite with the feldspar porphyritic andesite the most common unit on the BAKER claims. With the exception of the dacite unit, the Takla Group rocks are all epidotized and chloritized. The augite porphyritic andesite, fine- grained andesite, and dacite are commonly silicified, sericitized or kaolinized in zones or patches particularly in the vicinity of quartz veins.

A thrust faulted block of calcite marble of the Asitka Group occurs immediately to the east and south of the BAKER property. The block is inferred to have a minimum thickness of 150 metres. Limited observations indicate that the volcanic units strike north in the southwest, and northeast in the east, with steep to moderate dips. As exposed, the sequence appears to represent part of a northeast striking and southwest plunging anticline.

The Takla Group rocks are intruded by granitic stocks of the Omineca Intrusions, the largest of these, the Black Lake stock, extends 9 kilometres southeast from the Baker property. Its composition varies from granodiorite to quartz monzonite. Radiometric potassium-argon dates obtained by the Geological Survey of Canada on hornblende from this pluton indicate an emplacement age of 186 Ma. Another pair yielded ages of 189 Ma and 200 Ma on biotite and hornblende respectively (Property File - Barr, 1978). Two small syenomonzonite intrusions occur immediately to the north of the Black Lake stock near the A vein. Highly altered quartz-feldspar porphyry which appears to be a late phase of the syenomonzonite intrusions, occurs immediately to the north of the A vein. The main portion of this porphyry unit lies at the fault contact between Asitka Group and Takla Group rocks near the western end of the A vein. Dyke-like apophyses of this body, varying from 1 to 30 metres in thickness, subparallel and intersect the northeast extension of the A vein.

At the Multinational Baker mine property, seven quartz vein systems occur cutting Takla Group rocks. These are: veins A, B, C, D, E, North Quartz, and North Black Gossan and occur within an area of 2500 metres. The veins occupy two principal trends: northeast and east-southeast. Wallrocks are variably silicified and altered to sericite, clay minerals, and carbonate with intensity increasing with proximity to vein structures.

The A vein is part of a fault-controlled quartz vein system composed of two or more subparallel veins which trend northeast and dip from 80 degrees southeast to approximately 70 degrees northwest. The quartz vein system has been traced for a strike length of 435 metres and across a width varying from 10 to 70 metres. Individual veins within the system vary from 0.5 to 10 metres in width. Drilling indicates that the vein system persists for at least 150 metres vertically from surface. The A vein is the most southeasterly of the two principal veins in the system and, where both veins have been intersected in drill holes, they generally lie about 15 metres apart. Throughout most of its length, the A vein lies within altered Takla Group augite porphyritic andesite and dacite, which are intensely silicified on vein walls. At intervals, it lies partly along a contact between quartz-feldspar porphyry on the northwest and Takla Group volcanic rocks on the southeast. Near it southwest limit, a lobe of quartz-feldspar porphyry extends northwest along the contact between a small stock of syenomonzonite and wedge of Asitka Group marble.

The A vein system is cut by numerous crossfaults that offset portions of individual veins, commonly for 1 to 15 metres and in one instance, for an inferred plan offset of 30 metres in a small graben structure. Most of the faults are northwest trending normal and reverse faults dipping to the northeast, and dip-slip strike faults dipping at shallow angles, generally to the southeast. Wallrocks, particularly in the hangingwall, are badly broken and severely altered at surface but diminishing to depth and towards the southwest. The quartz vein is broken into segments less than 30 metres in length at depth but is much more consistent at surface according to mapping by Kennecott Canada.

A variety of quartz vein textures and crosscutting relationships indicate a complex history of veining with multiple depositional stages. Much of the quartz is massive and drusy, whereas a distinctive earlier ribboned variety is common, particularly near vein contacts. The quartz varies in colour from white to grey to dark grey.

Gold-silver values are generally associated with highly fractured and occasionally brecciated white to grey, vuggy quartz veins containing 1 to 10 per cent pyrite, and to a lesser extent occur in silicified wallrock. Xenoliths of altered andesite and dacite frequently occur in the veins. The only other common gangue mineral is carbonate, which fills fractures.

Higher-grade mineralization is associated with grey quartz, which occasionally contains visible argentite, commonly associated with disseminated grains of pyrite, chalcopyrite, and very minor sphalerite. High grade gold-silver values occasionally occur in narrow (1-5 centimetre) crosscutting silicified shears. Visible gold is rare. Significant precious metal grades were found to be contained in a flat-lying shoot 200 metres in length by 3 metres wide and extending to a depth of 40 metres below surface.

Polished section, X-ray diffraction, and electron microprobe studies indicate that pyrite is the dominant mineral, constituting about 90 per cent of sulphide mineralization. It occurs as euhedral grains and includes blebs of chalcopyrite, electrum, argentite, bornite, and sphalerite. Sphalerite constitutes about 3 per cent of the sulphides and is commonly enclosed in pyrite. Argentite is commonly interstitial between pyrite, chalcopyrite, and gold. Electrum is frequently associated with argentite. The form of occurrence of gold is similar to that of argentite and electrum. Bornite occurs as blebs in pyrite or with chalcopyrite. Galena occurs as rare discrete disseminated grains. Chalcocite forms thick coatings on chalcopyrite and covellite forms a thin coating on both chalcocite and chalcopyrite in the oxidized part of the A vein. Polybasite and stromeyerite are rare constituents.

Surface oxidation in the A vein area extends to a depth of 5 metres or more below surface and is reflected by the presence of hematite, jarosite, and goethite as pyrite alteration products in vugs and fractures, particularly near surface. There is no apparent weathering of gold from surface and subsurface exposures of the vein.

A production decision was made in 1979 to mine the A vein system and the Baker mine went on stream in 1981 with operations continuing until 1983

The B zone or B vein system is 365 metres northeast of, and on strike with the A vein. The B zone is similar in style and structure to the A vein and has been traced over a northeast strike length of more than 250 metres and to a depth of nearly 200 metres. Drilling has defined a 055 degree striking, vertically to steeply northwest dipping quartz (carbonate) vein structure. True widths of the structure vary from 2.4 to 7.6 metres.

Gold-silver grades are contained within a steeply northeast plunging shoot within the plane of the vein. The surface expression of the B zone is a network of narrow quartz veins and veinlets having an overall east-southeast strike with moderate northeast dips. These are interpreted as being part of the hangingwall alteration zone that also features moderate to intense quartz-carbonate-sericite- clay minerals alteration of the volcanic host rocks. Precious metal values within the alteration zone are low. Takla Group rocks at the B zone comprise augite porphyritic andesite, the most prevalent unit. Dacite, in part an alteration of andesite, but also a discrete unit, is variably silicified. Intravolcanic sediments, in the form of banded siltstones occur within the sequence. All rocks contain disseminated pyrite and are variably altered, epidote being prominent within the andesitic unit. Dacites within the hangingwall alteration zone are transformed to a creamy white rock featuring abundant sericite, carbonate, and clay mineral alteration with numerous quartz veinlets and disseminated pyrite. Limy siltstones locally feature skarn alteration in the form of garnet, epidote, and considerable pyrite.

Takla Group rocks are intruded by coarse-grained quartz-feldspar porphyry and equigranular finer-grained pink felsic units. A quartz-feldspar porphyry dyke apparently marks the southwest limits of the B zone. The intrusive rocks contain some quartz veins.

Structural complexity of the B zone is in the form of fault offsets which increases with depth and along strike to the northeast. Vein contacts are commonly marked by gouge zones.

At least three stages of quartz veining are evident within the B zone structure. Earliest stages include a drusy grey variety with small carbonate patches which is commonly fractured and brecciated and healed by a creamy white chalcedonic quartz and by later quartz-carbonate stringers. Pyrite is a common constituent and chalcopyrite is a good indicator of gold mineralization - better gold grades have a direct correlation with copper values. Galena and sphalerite are also common vein constituents but are more prevalent in gently dipping vein structures in the hangingwall. Before the mining operation by Sable Resources the indicated (probable) reserves at the B zone were 45,360 tonnes grading 19.2 grams per tonne gold and 174.85 grams per tonne silver.

The C vein is partly exposed on steep mountain slopes due south of the newly located G vein. Chip samples from C vein assayed up to 1.3 grams per tonne gold and 27 grams per tonne silver across a width of 1.6 metres.

PROPERTY GEOLOGY, MINERALIZATION

The Baker Mine deposit has a classical epithermal low pH alteration system with a gold bearing quartz vein on the footwall of an alteration zone. This alteration zone consists of a strong clay zone which grades upwards into a hangingwall typified by sericite, pyritic sericite, and quartz-sericite zones. The pyritic zones are surface weathered to form rusty gossans. Where this type of mineralization does not contain a fully developed clay alteration zone spectacular gossans can develop that have low gold crackle zones along central faults, but have not yielded economic reserves at depth.

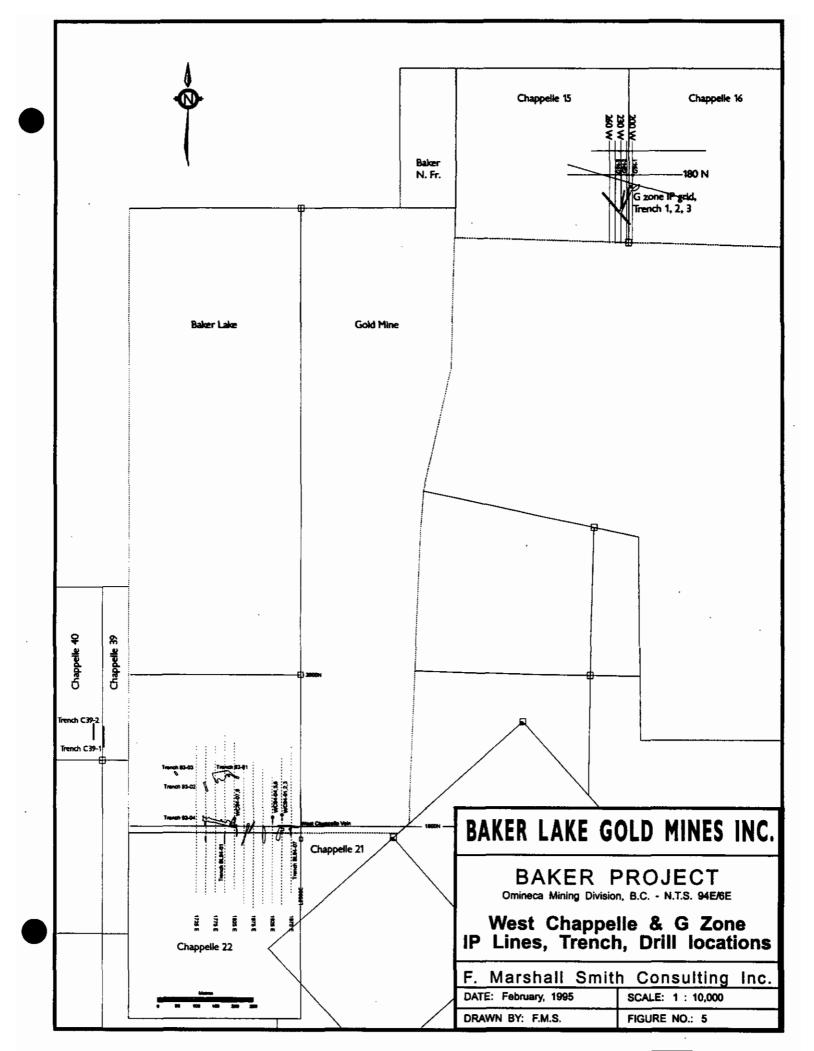
Veins and related alteration zones on the West Chappelle, Chappelle 39 and Chappelle 15 exhibit most of the features described above. All newly located veins are in areas of sericite alteration with pyrite after iron in mafic minerals. Rocks near the veins are kaolinized and highly faulted. The J, M, L and G veins all have multi-stages of deposition with pyrite, calcite and quartz as the primary fillings. Banded and brecciated quartz is common in some stages or portions of the fillings. Pyrite occurs in several styles of crystal growth and colour depending on the style of filling. Carbonate filling ranges from manganese rich (West Chappelle vein) to white (J, M, L & G) to creamy yellow dolomitic (with fluorite) at the G vein on surface.

The 1994 program

The initial focus of the program was to locate the source of the gold bearing stream on West Chappelle creek. The work plan consisted of getting 4x4 access to the area of primary effort using the old cat and truck road from the Baker Mine site to the West Chappelle vein.

This work consisted of installing two culverts and leveling the road to the area of the J vein. Both C creek and the small creek draining Baker Lake tarn required culverts to keep the road out of soft portions of the track. Portions of the road are still very steep and difficult to use in heavy snow or very wet conditions. During the work program there were 22 consecutive days of mixed heavy and light rain or snow in very cool to winter conditions. The roads gave relatively easy access for all work on the property.

At the end of the 1993 work Mr. Coombes considered that the J vein dipped to the south onto the adjoining claims owned by Multinational Resources Inc. Chappelle 21 and 22



claims are located just south of the Baker claim block and were expected to cover the down dip extension of the J vein. With the acquisition, by option, of the twelve Chappelle claims the project area consisted of one adjoining claim group with two primary targets included in the group.

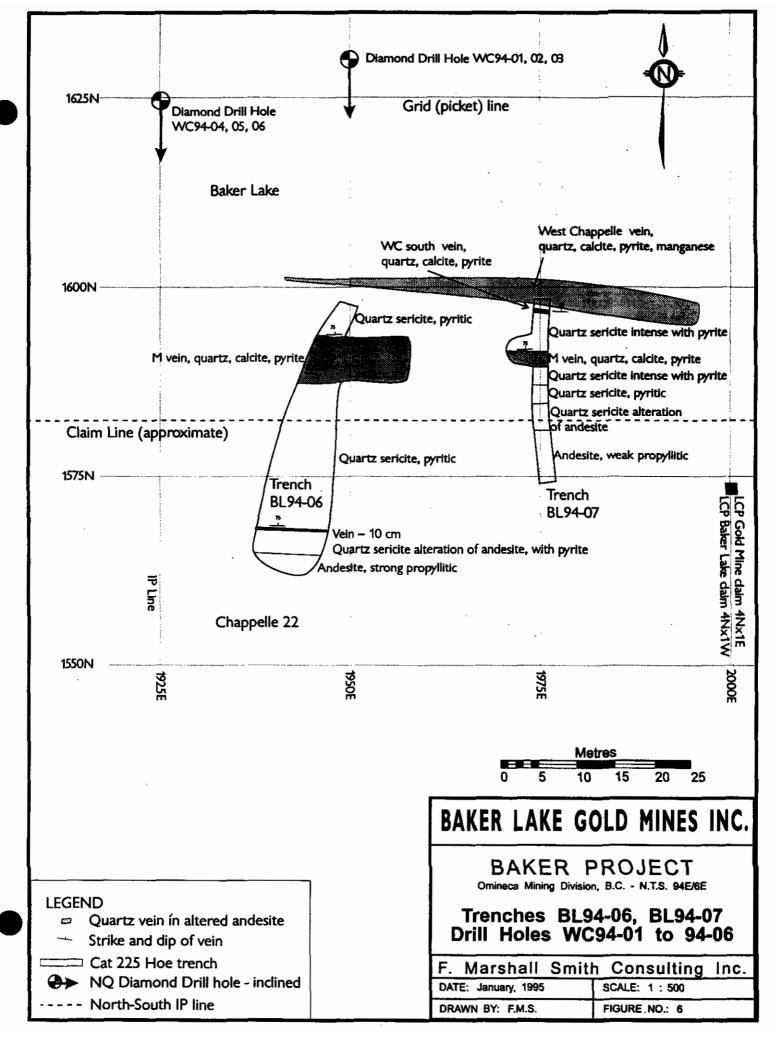
The exploration work on the property started with the trenching of a vein immediately south of the J vein as the float of this structure consisted of banded quartz calcite and there were reports of gold assays to 0.3 ounces per ton gold on the outcrop. The vein parallels the J vein and is called the K vein. The vein float on the hillside probably comes from further uphill on the central portion of Chappelle 22 as the vein in three trenches was not banded or mineralized like the float.

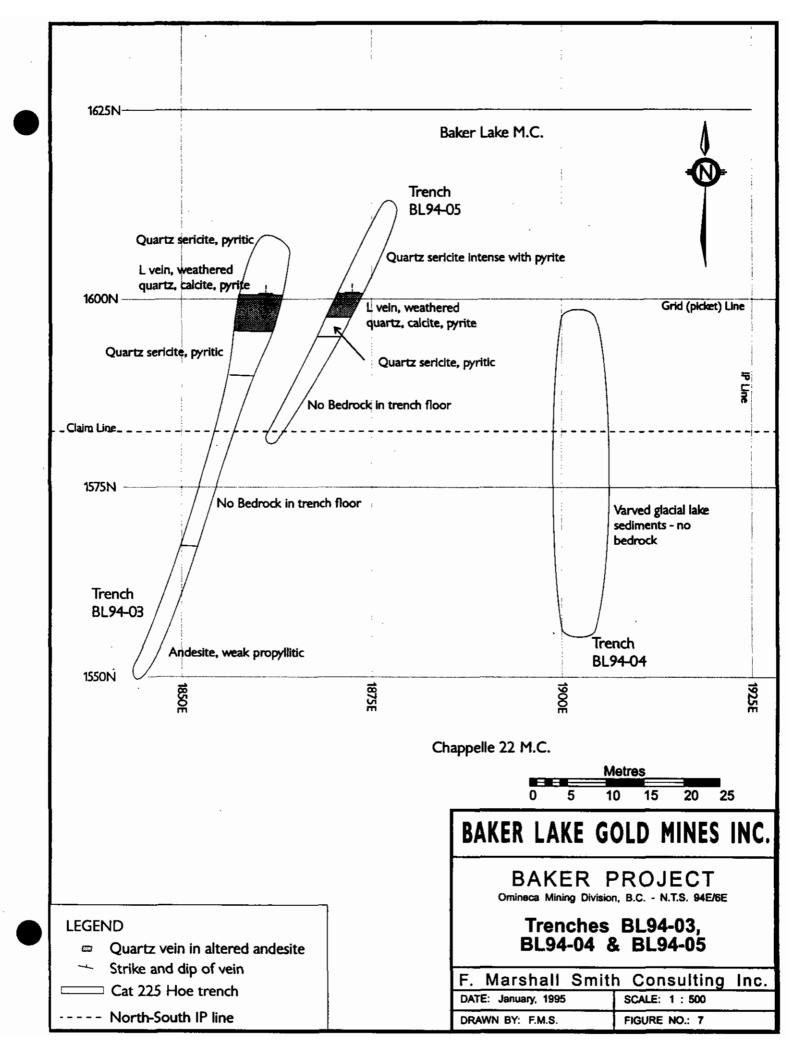
The Cat 225 hoe was moved to the east in the draw east of the J vein and located a large area of alteration and a white calcite and quartz vein rich in pyrite called the L vein. This structure is in an area of very deep cover and only weathered vein material could be brought to surface by the hoe. The structure was cut in two trenches but the third could not get through overburden. As these and all other trenches in the West Chappelle area immediately filled with water only the spoil materials could be used as a guide to the subsurface geology.

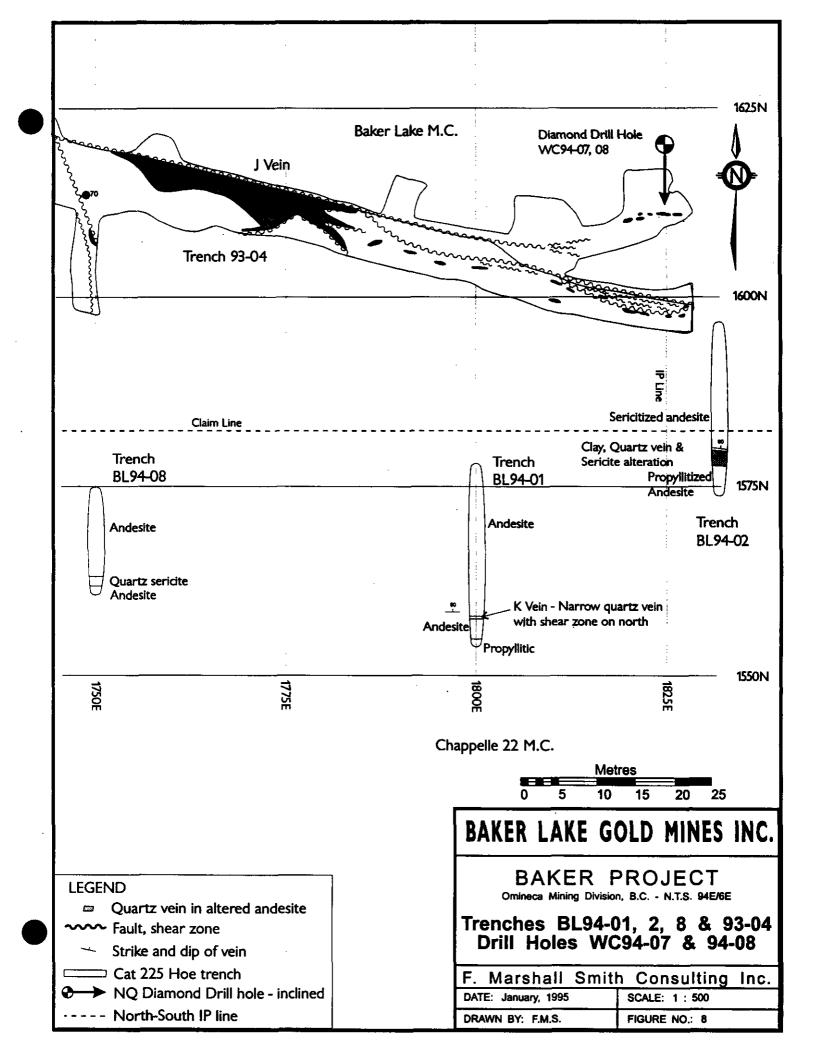
The next target was farther east to make an opening at the base of a draw just north of the West Chappelle vein. This site was selected because a large amount of altered soil had been dug up by cat work making a sump for washing the J vein in 1993. The M vein was located in two trenches with the widest intersection consisting of about 50 feet of vein in the floor of trench. This vein consisted of quartz, calcite with pyrite and considerable black heavy sulfide like minerals similar to argentite or antimony sulfides. The vein is banded with two or more filling episodes. The surface character of this structure is very similar to the high-grade B vein found in 1985 on the Multinational property. Both had pyrite, calcite and quartz in a banded vein.

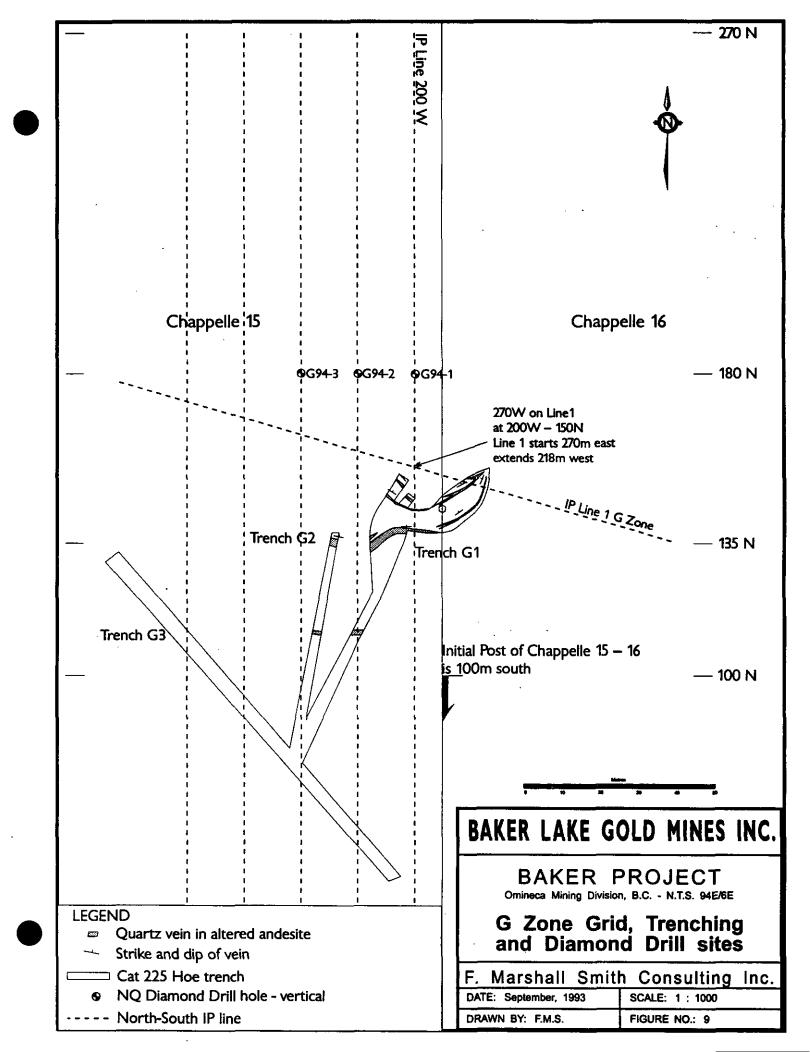
Under the direction of Mr. David Mark, P.Geo., Geotronics Surveys Ltd. (see Appendiz III) conducted an IP resistivity survey to determine the strike and dip of the trenched structures. The first few lines were done over the J vein where there is good exposure of alteration and vein in strike continuity. The alteration envelope and the probable location of the vein could be clearly seen on the sections. The program was extended to the east to cover the L and M veins. In the L and M vein area the IP anomaly shape indicated the fault structures with related ceiling alteration associated dipped to the north onto the Baker claims and not to the south as previously believed. This meant that almost all the West Chappelle area drilling would be on the Baker Claims.

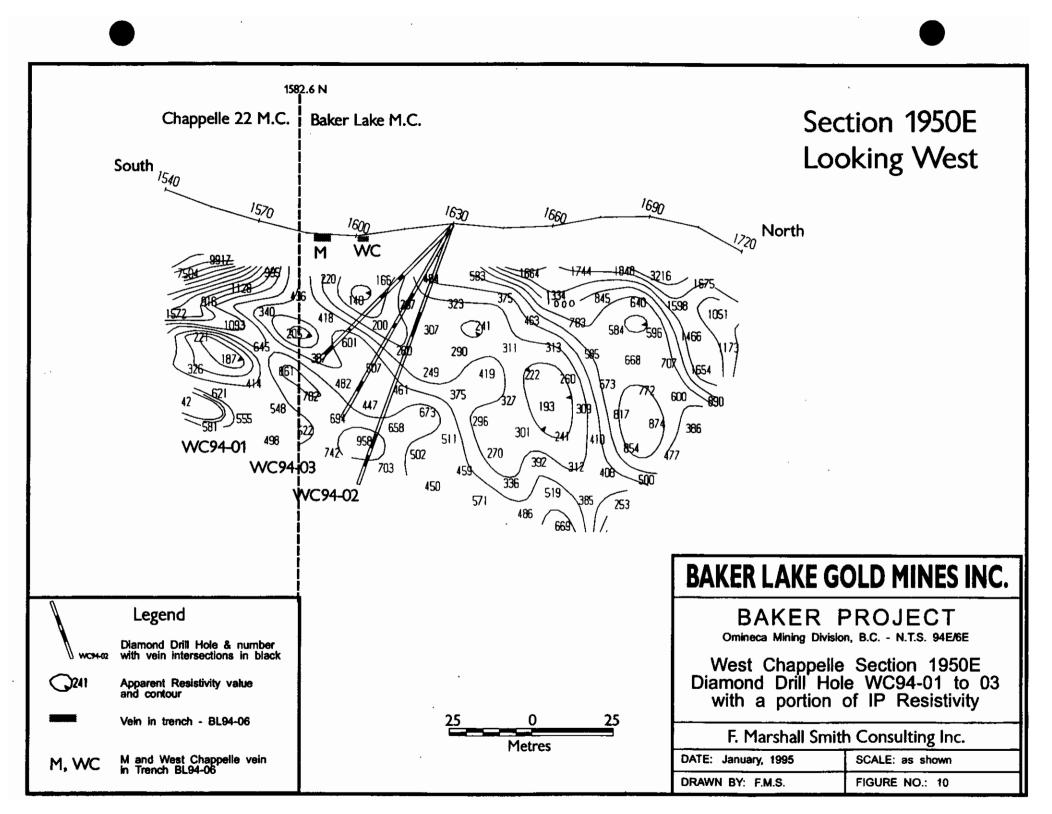
Prospecting in the C creek drainage located a possible source of gold in a small tributary at the north end of the Baker claims on Chappelle 15 claim. This was one of the two

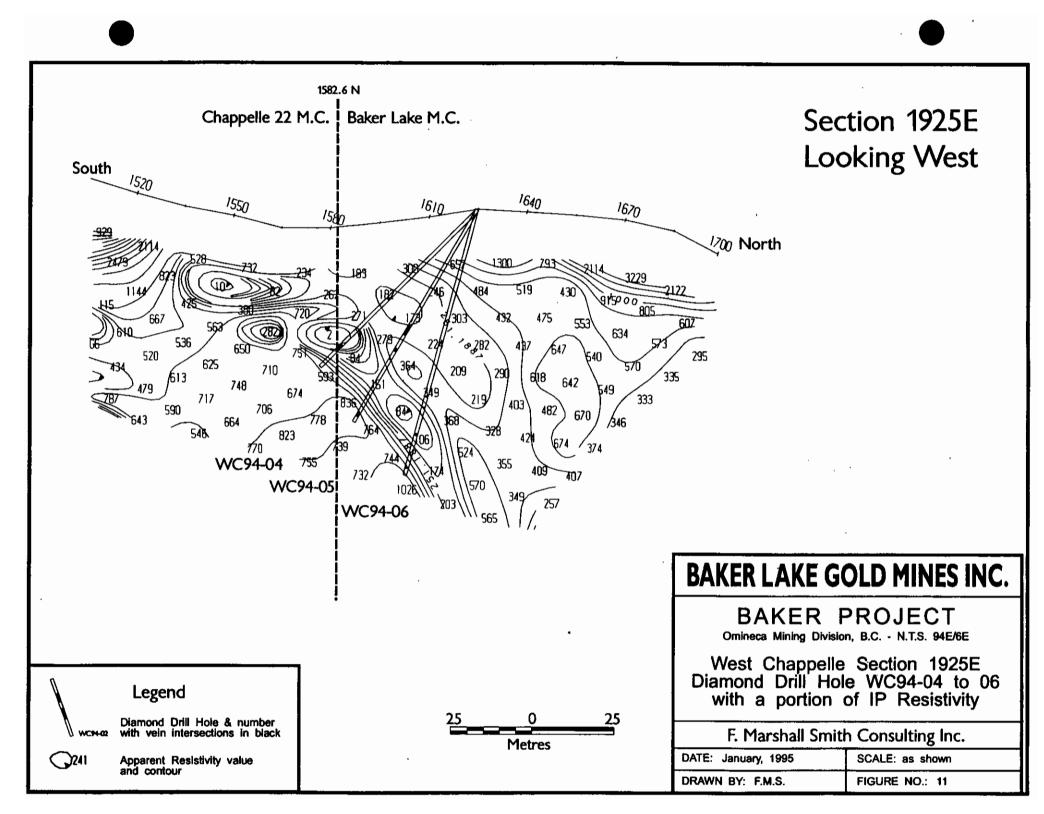


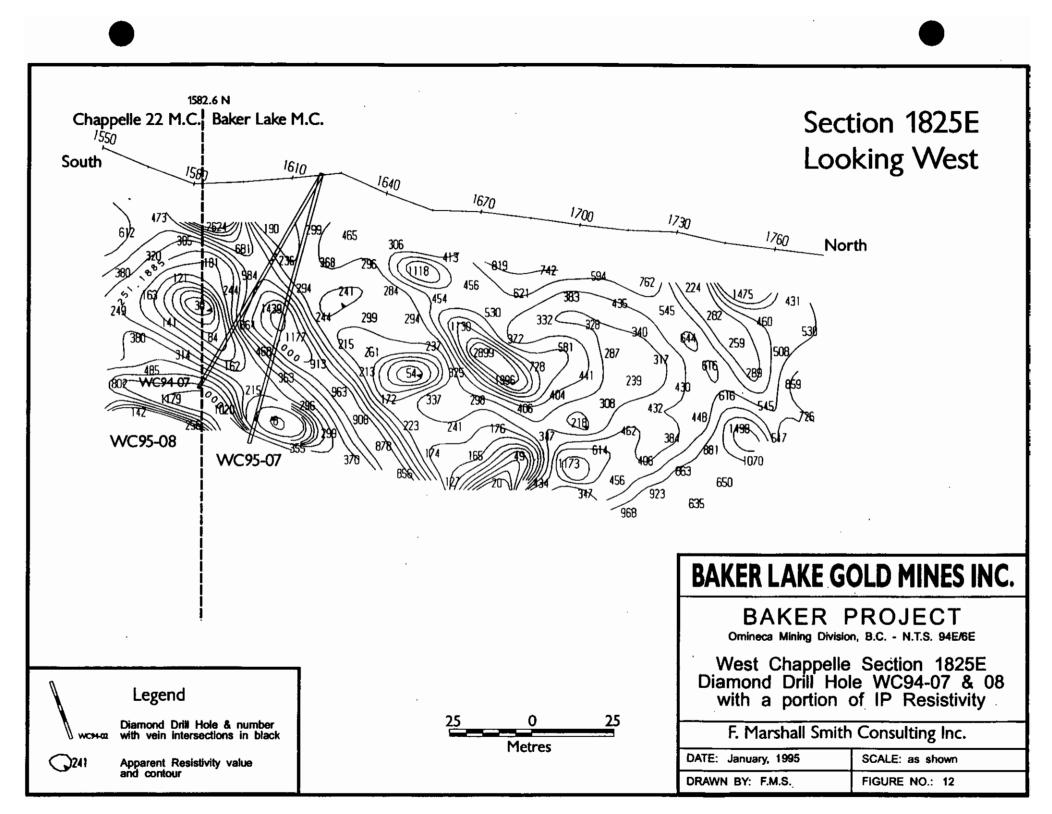


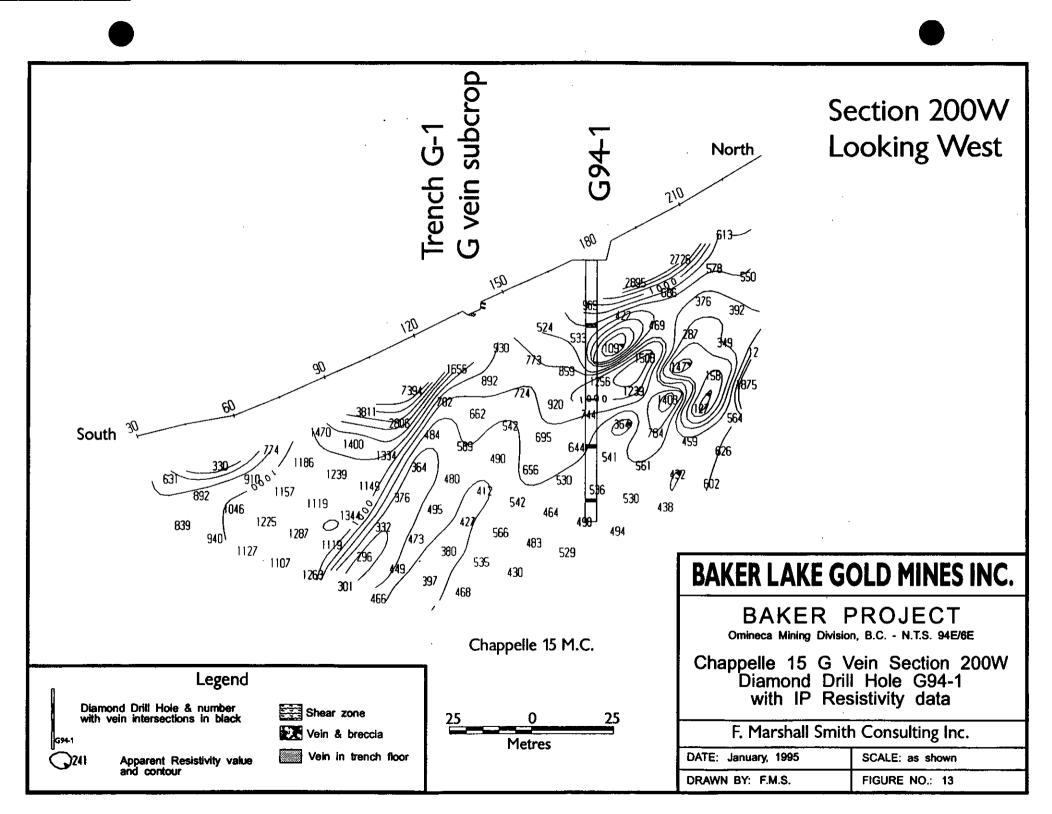


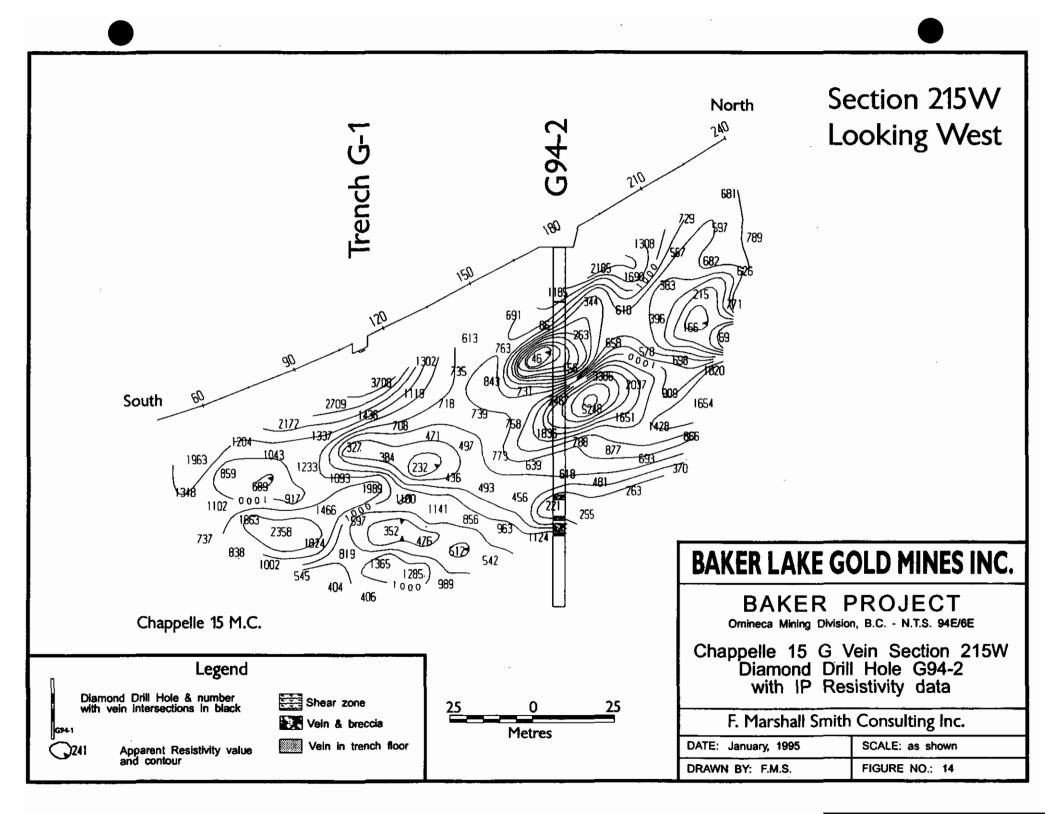


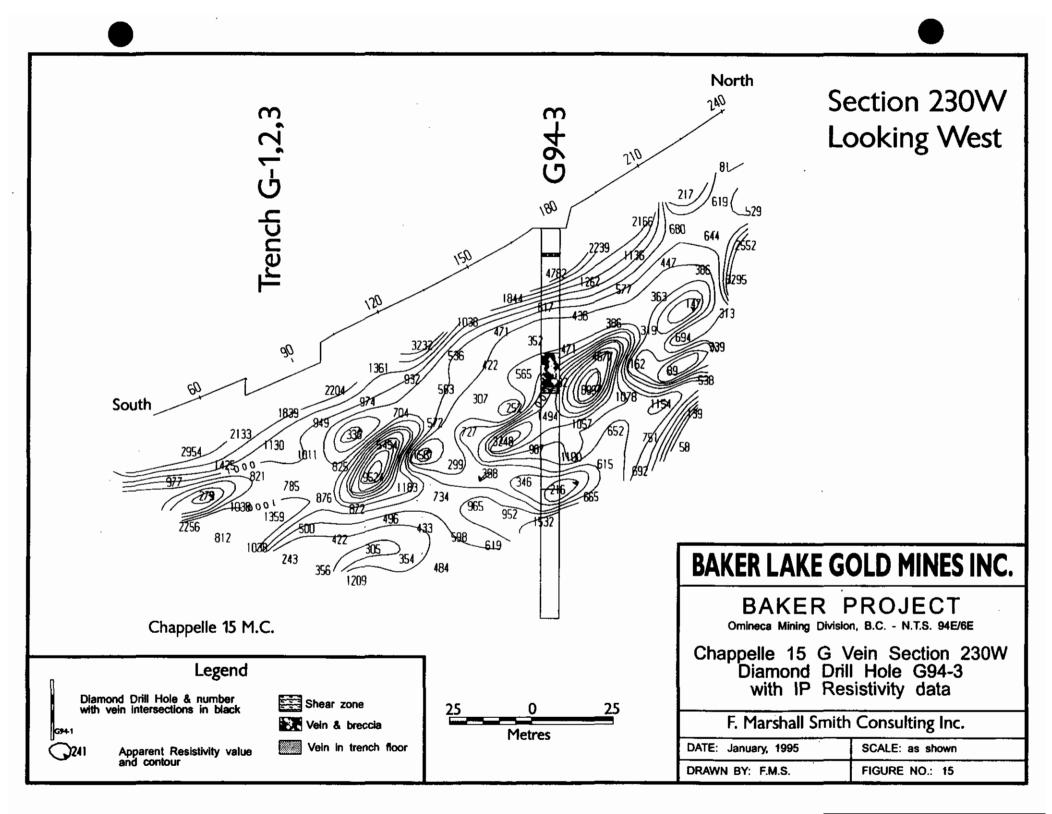


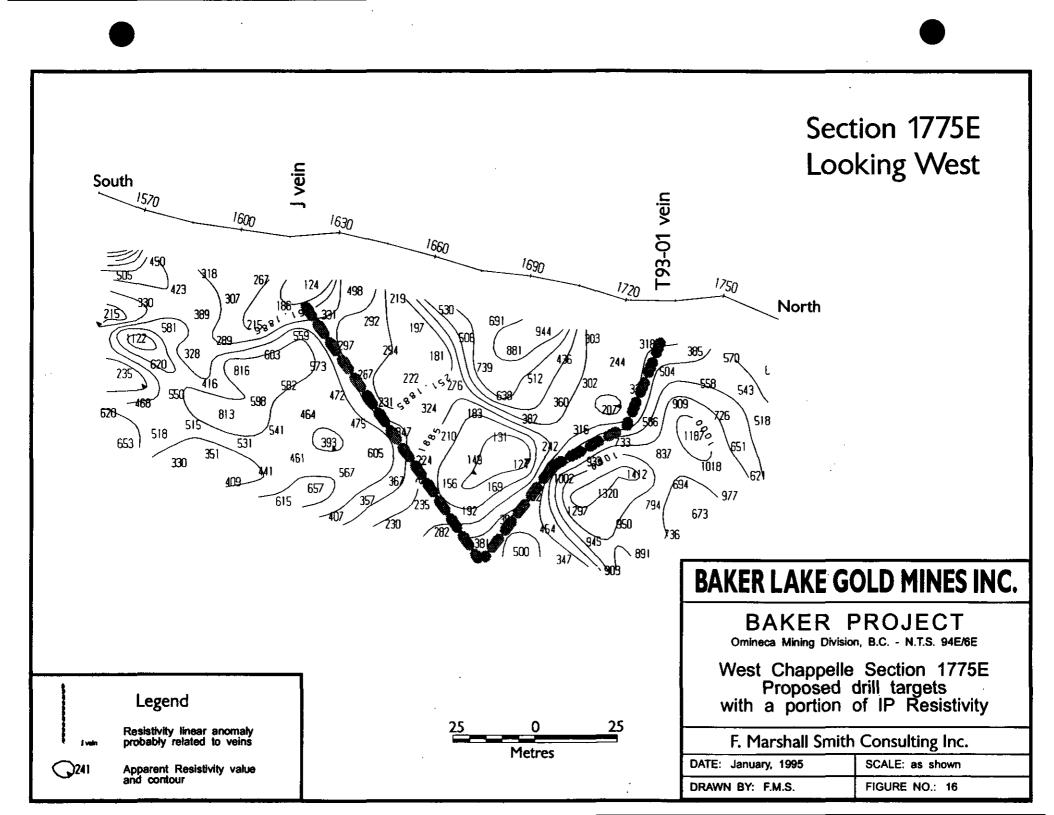


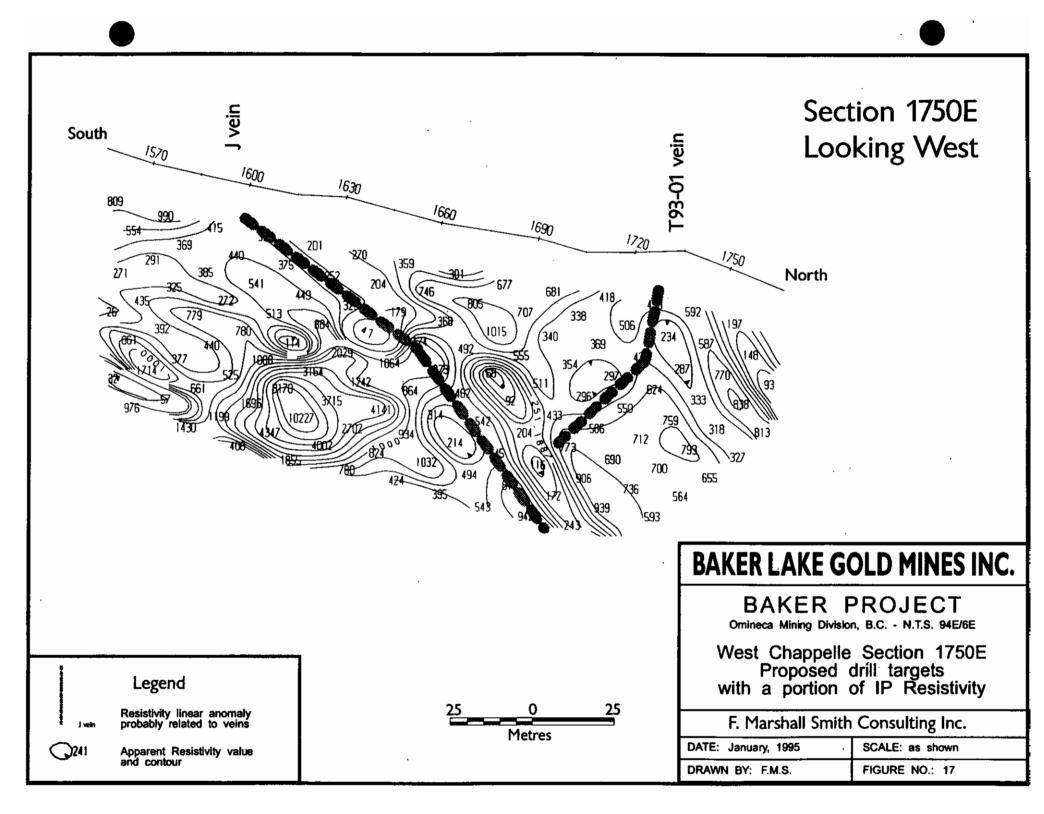


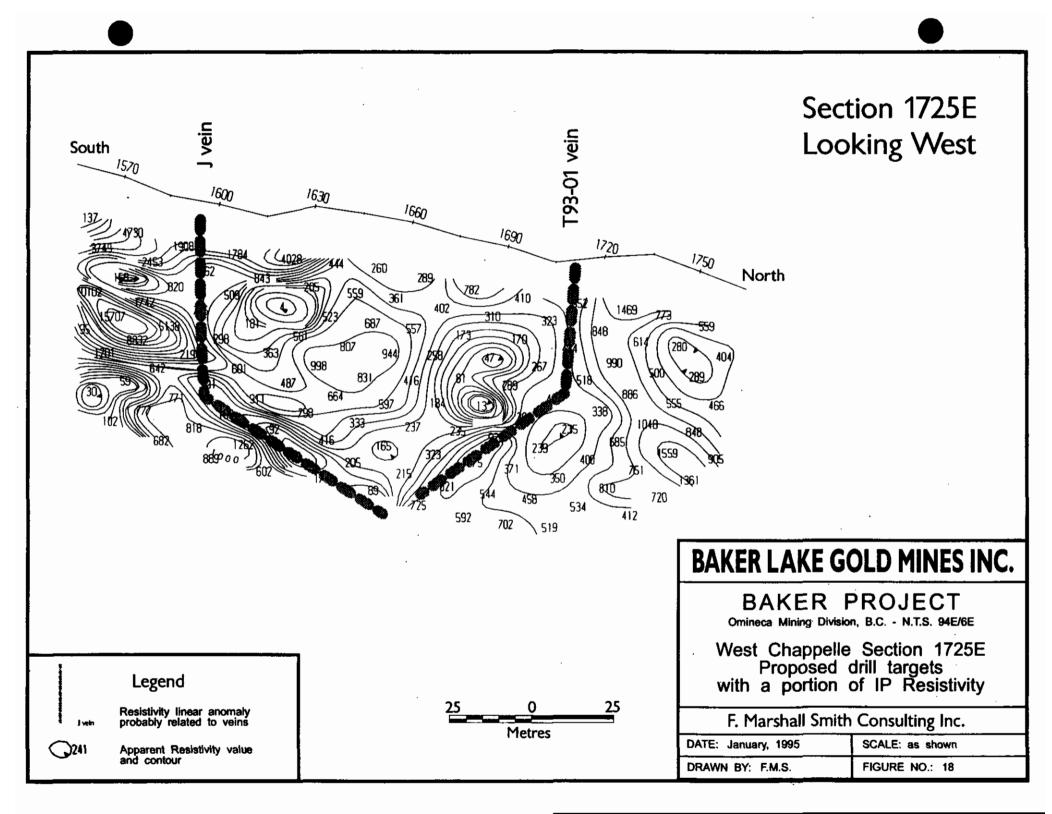












claims covering the tributary of C creek that yielded a 13,500 ppb gold in dredge sampling in 1985 in the same program that located the anomaly on West Chappelle creek to the south.

The possible source for the gold anomaly was located as small quartz vein fragments called the G vein on the west side of the south flowing creek about 100 metres up hill (north) from the crossing of the creek and the road into C vein on Multinational's Mining Lease. The lease boundary is 125 metres south of the road at this location. Initially the vein was opened by hand trenching with minor washing of soils from the exposed site through a portable sluice box to check for gold. One small flake of gold was recovered in the sluice box. No fine gold was noted but there was considerable pyrite and black sulfides or arsenides were also recovered.

The area was accessed by a 250 metre long low angle road from a turnoff to the west of the creek crossing. This road was used to allow the hoe and later the IP crew and drilling access to the area of the area of the G vein. The structure appears to be a nearly flat vein with a series of complex openings rolling in dip to the west then flattening and rising and closing to the west in an east dipping portion. The western portion are stacked with altered volcanics between and the 3 portions of the vein merge to one narrow structure on the east side. The structure may run to the north west but the true strike and dip is as yet unclear.

The G vein has composition mainly of fine grained quartz with minor calcite to major calcite and 2 to 20% sulfides, mainly pyrite. Fluorite is common in the eastern portion of the vein where the structure is very narrow. There is considerable copper stain on surface in two localities near the structure but copper sulfides were not observed in the vein on surface. The vein varies from about 20 centimetres thick on the eastern side to a maximum of 5 metres in the area of the separation of the three lenses.

IP resistivity was conducted first east west (Line 1) as the structure was expected to strike northerly parallel to the A vein. The eastern end of the U-shaped G vein has a N25[Estrike. The net apparent strike and dip for the basal portion of the U-shaped veins is about north south -- the final IP lines were run north-south and defined a resistivity anomaly with a rising to the north and west and end and flatish central portion.

Upon completion of the IP survey on West Chappelle block, Diamond Drilling was conducted. Diamond drilling of the L and M veins on the West Chappelle was carried out first as these are the widest veins with the best mineralization on surface in the creek where the high gold geochemical sample was located. The alteration around the veins is not as wide or as intense as the B vein or the structure located in trench 93-01 but the vein width and character of the filling was considered very significant.

Six holes (WC94-01 to 06) were completed on the M vein defining the strike and dip of the structure. The holes were located in two south dipping fans from 1950E and 1925E

lines. None of the holes intersected the thick banded filling characteristic of the wide zone on surface. The shape of the shoot is not yet determined. The dip of the M vein is about 80[N and the West Chappelle vein in the hanging wall dips 45 to 65[N and rolls from a steeper dip near surface to a flatter dip at depth. The M and L veins do not change their dip to depth.

Section	Drillhole #	Northing	Easting	Bearing	Dip	Length ft
1950	WC94-01	1630	1950	180	-45	193
	WC94-02	1630	1950	180	-70	273
	WC94-03	1630	1950	180	-60	220
1925	WC94-04	1625	1925	180	-45	220
	WC94-05	1625	1925	180	-60	243
	WC94-06	1625	1925	180	-75	289
1825	WC94-07	1620	1825	180	-75	277
	WC94-08	1620	1825	180	-60	246
200W	G94-1	180	200W	180	-90	257
215W	G94-2	180	215W	180	-90	357
230W	G94-3	180	230W	180	-90	386
	······			Total f	feet	2961

The L vein was intersected in both holes drilled on this structure (WC94-08, 09). These two holes were located on line 1825E at 1620N. This vein is very similar in character to the M vein and may be in strike continuity with it at depth. The IP survey was not conclusive as to whether there is one or two structures in this area.

All holes were logged by Les Demczuk, P.Geo. at the Cheni camp site in the carpenter's shed. The core was placed on wood beams on the gravel pad west of the shed in the same area as the Cheni Mine core storage site. The core was labeled with aluminum tags and covered. Samples of vein material were split and stored in a locked cabinet, transported under the care of Mr. Les Demczuk, P.Geo. to Chemex Labs in Vancouver for assay.

None of the assays from any of the vein intersections of the eight drill holes on the West Chappelle area graded more than 0.05 ounces gold per ton. All material from the veins was assayed using metallics assay checking for coarse gold in the materials. The samples were not assayed for silver as the primary target is gold. Check assays should be run on the total reject from the initial assay with careful visual inspection for coarse gold on screens, checks for telluride and other interference elements in the veins. This work will be relatively laborious and slow as the samples are large.

The J and K veins were not tested with drilling due to the requirement to expend moneys on the Multinational claims. Also the K vein did not appear significant in trenching nor did the IP survey indicate that there was a strong structure with alteration at depth in this area. There were no major anomalies on the south ends of any of the IP lines, that is on the Multinational Chappelle 22 claim. (See Appendix III by David Mark, P.Geo.)

All trenches were rehabilitated on the Baker Lake, Chappelle 22 and 39 claims according to instructions from John Binns, P.Eng., Inspector of Mines. During the visit in 1994, Mr. Binns gave a favourable report on the 1993 clean-up of the J vein area and recommendations for the rehabilitation of trenches then all open on the West Chappelle. There will be a very minor requirement to smooth the drill pad on the L vein site and to dress the spoil along the sides of the access road from West Chappelle to the mill site.

Diamond drilling was completed on West Chappelle on October 2 and the rig moved to drill three holes on the G vein on Chappelle 15 on October 3, 1994. The three vertical holes located veins that are situated within the resistivity high located by the IP resistivity survey. (See Appendix III) There is much more brecciation in the G vein area than West Chappelle and far less calcite in the veins. Some zones rich in chalcopyrite were located in the drilling.

None of the assays from the many vein intersections in the G vein structure carried economically significant gold values. There are no assays more than 0.03 ounces gold per ton. None of the samples were run for silver. The assay procedure checked for metallics and none were located. The screen float assay carried less gold than the -100 mesh materials.

The G vein is not of economic interest and no further work is justified in testing this structure. The trenches have been completely rehabilitated. The drill sites and access road require rehabilitation that should be a minor cost if heavy equipment is available locally.

CONCLUSIONS and RECOMMENDATIONS

There are many areas on the claims with large areas of intense alteration especially south and west of the West Chappelle on the top of the alpine plateau. These areas should be considered as potential if a significant gold zone can be located on the one well-explored gold bearing structure on the claims. The 93-01 trench vein was considered to be too narrow to be of interest for drilling in 1994 but the results of the drilling indicate that this may be the primary structure in the area. The features of the current information that point to this target are as follows:

1. This structure yielded 0.15 ounces gold per ton in a grab sample by Mr. Steven Coombes in 1993. This is the only surface or drill sample from any of the veins located that carried nearly significant gold values.

2. The alteration envelope around this structure is the largest discovered on the Baker claims and the degree of alteration is similar to the B vein area. The alteration around the J vein has more argillic alteration (maximum intensity) but the size of the alteration envelope is much smaller. The 1993 trenching located a spotty vein structure under 4 to 6 metres of glacial debris by following alteration in surrounding outcrop.

3. Like the B vein, the structure does not have significant width or strike continuity on surface but the 93-01 vein has at least 50 metres of strike continuity in the IP resistivity. (See IP sections 1825E, 1775E, 1750E, 1725E at the northern ends)

4. The 93-01 vein dips south. All the barren veins in the West Chappelle area dip north. All north dipping veins have narrow alteration envelopes in resistivity surveys -- the south dipping structure has a thick alteration zone. The J vein structure dips towards the 93-01 zone and the J terminates at the junction. At the Y junction on section 1725E and 1775E there is a very large patch of low resistivity. The 1994 drilling has proven there is a one-to-one relation of low resistivity with intense wall rock alteration around the vein faults at both West Chappelle and G vein areas.

If the drill testing of the 93-01 vein is successful in locating an epithermal vein with economic gold values the veins similar to this structure on the plateau south of the vein should be trenched, gridded with IP resistivity surveys and diamond drilled. This work is only justified if a significant gold zone can be located within the area of the current mineralization.

The small budget is justified as the target is clearly defined, equipment and drillers will be working in the district in 1995 and the Company will have to return to the district to complete the rehabilitation of the drill pads and access roads.

COST STATEMENT

The following represents the true costs and time for the work described in this report.

Item	dates	rate	costs
F.M.Smith, Project Management	Aug 25-Oct 10/95	49 days@400	20,972
F.M.Smith, report, drafting etc	Jan 15-Feb 28	10 days@350	3,745
Les Demczuk, P.Geo., field	Sep 24-Oct10	14 days@350	5,136
Les Demczuk,P.Geo., report	Jan-Feb		1,070
David Javorsky, prospecting etc.	Aug 26-Oct 10	39 days@175	6,825
Yvon LeBrasseur, field assistant	Aug 20-Oct 10	53 days@325	18,430
Trucks (2) rentals	Aug 20-Oct 10	70 days@70	5,243
Trucks (2) operating expenses	Aug 20-Oct 10		2,214
Geophysical Surveys	Sept 11-Sept 24	14 days	23,000
Room & Board (Cheni)	Aug 21-Oct 8	292days@75	23,433
Hoe & cat rental (Cheni)	Aug 27-Oct 11	192hrs@135	27,734
Labour, fuel, support, materials	Aug 27-Oct 11	Cheni	9,247
Diamond Drilling (Beaupre)	Sep 24-Oct 8	2961'@20.10	59,442
Equipment rental, survey	Aug 18-Oct 18		3,260
Equipment rental, Britton Bros	Sept 10		1,116
Assays, chemex	85 samples		2.310
supplies, consumables, pickets,	flagging	sample bags etc.	1,156

Total costs (no mob/demob)

\$214,333

Yours truly,

F. Marshall Smith April 10, 1995

CERTIFICATE

I, F. Marshall Smith do hereby certify that I am an independent Consulting Geologist with offices at 6580 Mayflower Drive, Richmond, B. C.

I FURTHER CERTIFY THAT:

1. I am a geology graduate of the University of Toronto, in Honours Geology in 1967.

2. I have practiced as a geologist since 1967 in Canada and the United States of America.

3. I have based this Report on personal field work in 1985, 1993 and 1994, with a review of the data generated by Du Pont of Canada Exploration Ltd. and Multinational Resources Inc.

Dated this 10th day of April, 1995 in Richmond, B.C.

F. Marshall Smith, F.G.A.C. Consulting Geologist

BIBLIOGRAPHY

- Carter, N.C. (1988), Report on the 1988 Exploration Program, Chappelle Gold Property, private report for Multinational Resources Inc.
- Coombes, S.F. (1993), Private report to SCA Management Ltd. on 1993 exploration work, Baker Claims
- Demczuk, L. (1995), Report on the Baker Project, Toodoggone Area, Report to Baker Lake Gold Mines Inc.
- MacLean, K.A. (1977), Progress Report for 1976, Report to Du Pont of Canada Exploration Limited.

MINFILE, (1990) Chappelle, 094E 026, EMPR

- Nelles, David M. (1985) Report on the 1985 Exploration Programme, private report to Multinational Resources Inc.
- Schroeter, T.G. (1993), Geology of Early Jurassic Toodoggone Formation, EMPR Bull. 86
- Smith, F.M. (1992), Report on the Silver Pond Property, private report to Ocean Crystal Resources Inc.

Appendix I

Diamond Drill Logs

Phone: (604) 277-6662 F. Marshall Smith, F.G.A.C. Fax: (604) 271-6607 6580 Mayflower Drive, Richmond, British Columbia, Canada V7C 3X6

	th Consulting Inc.	Drill Hole Record	WC	94 DDH	01								
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Logged By: 6 D Date: Sp 75 155

Hole No: NC 94 LDU 01 Page: 142

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Page: 2 +2

F. Marshall the Consulting Inc.

Drill Hole Record WC 74 DDH O.

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Vertical

Coords 1630 N 1950 E

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<u> </u>	L	4mm agentic build like "portheritic" two porte into 12% throughout und epidele and charite rich ground may parte into 23% throughout occasionally gtz and calite narrow weining.		↓ ·──	<u> </u>	┣──		<u> </u>		ł			<u> </u>
		exercionally giz and cally norrow upping.		╂───				<u> </u>		<u> </u>			<u> </u>
50 10	1320			<u>+</u>	<u> </u>	┣──						<u> </u>	<u> </u>
50.70	<u>e7:36</u>	ANDESITE TUFF dark green, fine grained, lacolly fromment		+	<u> </u>	<u> </u>		<u> </u>					<u> </u>
		sillafied throughout , occasionally weakly sheared with day schell bet	L	L			· · · · · · · · · · · · · · · · · · ·	1	<u> </u>		L		

Client:

Drilling Company:

Logged By: L.D

Date: Sep 27.1144

Hole No: UC 94 DDH 02 Page: 142

Depth			Recov	rery	Depth		Same	1 martin		Au	4	
from.	To	Description	Ren	•	Fran	Te	*		Longin	~ ∞2/+		177
	<u> </u>	narrow sections, diss purite ~ 1-3%, weak to moderate epidote altowarian.										
		parrow sections, diss prote ~ 1-3%, neak to moderate epidote allowing, neak combonate verning in the upper past										
7.38	69.30	•		88	67.28	68.38		6764M	1.10	. 0072		· 07
		QUARTZ BRECCIA light to dark yrez with planded wall rack with num gtz veins throughout, upper and lover contast productional, prober of prote			68.38	69.30		6765M	D.92	.002		· 0 ⁻
		•		 	╂──							
9.3	74.66	QUARTZ VEIN maine, sugary white, locally greastion, have		99	6930			6766M	1.00	.003		. 10
		QUARTZ VEIN marine, surgery white, locally greation, have Alcos and fine grained prote~3%, buer contact graditional.			70.30	71.66		6767M	0.36	.002		. 0
1.66	74.05	ANDESITE TUFF dark green-pacy mothled, fine youncal,		95								
		ANDESITE TUFF dark green-acy mottled, fine yourcal, pyrite righ (-Nis) bicceleted section in the upper part, moderatly silicifical										_
405	74.67	QUARTZ VEIN silica flooded light yies for valisme 80-90% Sile hair like fractures with fine sulphiele (mostly py)~3-5%		90	74.05	7467		6 76 8M	062	. 001		. 14
		hair like fractures with fine sulphial (morthy py)~3-5%										
467	77 52	QUARTZ BRECLIA light to dance orch volcand subancillar to		93	74.67	75.67		6769M	100	.002		ں.
		subrounded in shope Asgments comented by silics flood, vein material.			7567	16.07		6770H		·002		.0
		QUARTZ BRECLIA light to diale orch valuance subanyabar to subrounded in shope programments commented by silica flood, we're material, huer part contanate venns, pades und facture filling py.			76.67	77.52		6771M	0.85	.002		. 0
7.52	83.21	ANDESITE TUFF light orcen built dayher fine proinc. chlor. his matrix, bealin epidate as Alebs or franking failing laye files of parite on fractions, hair like partie vers at so-surea, g2-contained verns mostly 40-60° TCA mercasing down the hole		95								
	_	chloritic matrix, locally opidate as blobs or finitive filling laye	 	ļ	<u> </u>					┠		
		thebs of pyrite on fischires, have the pyrite veras at sorrea,			╄──					<u> </u>		
	1	012- controlle verns mostly 40-60° TCA marcasing a with the Ance			<u> </u>							
		E.O.H			<u> </u>			ļ	ļ			
					<u> </u>		<u> </u>			ŀ	┢──┝	
	ł		ļ	— —				— —–	· ·	<u> </u>	├	

Drilling Company:

Logged By: 6D Date: 510 27 1994

Hole No: UC94DDH02 Page: 2of 2

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Proper Start - % Reco	ty <u>H. (</u> <u>Sep</u> w	26.1994 End <u>Sep 27 1994</u> Core Size <u>NOC</u>	JC 94 Claim _ Bearing Horizoni					_ Elev	ation _	_67	_	
int	erval	Description	Rec	overy	De	pëh Te	Sample	Sample	Longth	Au oz/t	<u>^a</u>	Au 1/+
0.00		CASING								P~7.T		
3.65	640	ANDESITE dark green badly broken, partly silicitient fine grined valunic, limente and manganesse sisting a fractives		75								
640	7.12	TRACHYTE DYKE light greg-pinkish, diss prie ~2%, epidili veining, glz collecte fractiones fillings, ucak sufficient		85								
7.12	15 54	ANDESITE FRAGMENTAL dark given bestly motted, Zam pinkish K-sper phenos, chlantic matrix, die and foschus (filling pis 6		88								
15.54	<i>23.85</i>	AUGITE ANDESITE dark green matted, strongly silisified, disr py te, booly chante epidet veinlets		95								
23.85	28,15	QUARTZ BRECCIA heat day commeterial on top, shea floater sheared - Ineccided fine isleanich, Steans epidete-dilacide altreation an fractured, disc and fracture filling pfall ~ 3%		94	23.85			6772M 6773M	1.55	2 .001 2 .001		
		ANDESITE dance grey motted-silica, strongly pervasivly simpled, becally storgely Archived with chlorite infill		90								
32.50	3433	ANDESITE - CLAYZONE stinnel. class-delaiste-scripte offered (selt), a per fast cones.		85								
		OUARTZ-CARBONATE VEIN while bisch grow , large patities of epidete-chlorite, diss subjide mostly by 73-8%		100	34.33	35 76		677YM	1.43	. 002		
3576	44 98	AUGITE ANDESITE dark grey, mostly fine present, moderatly singlind with a fine strong charger inte Sellen & sections, beally upinke count verning disc and facture filling port.		96					·····			

Oriting Company:

Logged By: L D Date: 28 Krp 1774

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Hole No: HC 94 DDH 03 Page: 142

Depth)		Recov	ery	Depth		Samala	Secondo .		Au	An	Au
	To	Description	Run	*	Fram	Tę	*	Sampie Numbre	Longik	AU 02/+		117
1. 00				20								
1 18	52 30	ANDESITE TUFF dark grey, very five ground sitics matted a few wate shear zones, at 50.40 - Stop weakly on intered with pt2-carbonade vering		89	_─					<u> </u>		<u> </u>
		walk shear zones, of 50.40 - 5700 neokly or their with pt2-Cario and verning		00	╉───┥					<u> </u>		
120	53.10	EAULT ZONE		98	╂───							
- 50	122.10	FAULT ZONE go. je										
2 10	54 50	ANDESITE TUFF upper part weakly silicified, lower "mudy", lowerded	· -	95	53.10	C2 (4		6775M	0.54	.007		.0
0.10	12 130	The second state and the second state and the second state			55.70	<u></u>		• • • • • •				
4.58	55.77	QUARTZ UEINI white to dark yieg messive, intpude 14/11/15, 20		78	5458	55 71		6776M	1.19	. 033		.10
		prot 116'		<u> </u>								
		1										
5.77	5790	QUARTZ BRECCIA light to dark prey upper part breceicted with silicified fine volcomic, m. alle-white guartz (vein molecial) burer some or upper, diss and fracture filling pyrite through to bally carbonate in fractures.		95	55 77	57.90		677711	2.13	. 00 Z		
		sitivified fine volcomic, m. elle - white quantz (bein material) barrer										
		some as upper, diss and fracture filling pyrite through t			L							
	ļ	tocally carbonate in Fractures.		 					ļ			
	4				<u> </u>							\rightarrow
1.90	67.05	ANDESITE TOFF GANT to medicin y, cen, fine proince kirth		88						<u> </u>		
		ANDESITE TUFF light to medicin y, cen, fine proince "firits holding", longe putches of chlorite and Epidole, or pintesh edute veins 21 45-70 TCA, Longe Blebs of parte in fractures.			╂───					<u> </u>		
		Verns 21 45-70 TCA, Drie Blebs of parle in fractures.										
		EO.H			<u> </u>						╞──┼	
									<u> </u>	<u> </u>		
			.	1	1					İ		
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Drilling Company:

Logged By: LD Date: Cep 29 1714

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F. Marshall	th Consulting Inc.	Drill Hole Record 6	JC 94	DDH	04								
	chappelle Location	_ Div/Dist						- 100	ath	6	7.05		
Start Sero	27 1994 End Sep 29 1994	Constan NQ											
	Dip 45°		iorizont										<u> </u>
	25 N , 1925 E	- F Objective	TOTIZOTIL	ði				- ven	ncai -				
												<u> </u>	
Interval Pres To	Description		Reci	ov ery ⊤te	De	pen Te	Sample Sh	Sample	Longin	02/+	<u>^</u>		Ha
	CASING												<u></u>
	ANDER FF RICE ALL BARRY	It have a the state of the stat	_					•			┟───╂		
3.35 1.50	ANDESITE TUFF, dark green b	alian zan L. Neadly providely	1	67_							┟╼╾╼╋		
	vack, Limonite Stranon Ractares [Oxid sibilied, diss parte ~ 2010, carbonst	k reinlets.											
7 - 0 - 0 - 0				78							┟───┼		
1.50 18.30	ANDESITE TUFF Light green moth	Lea, moderstly day alorde allord	1	10							┢──╋	\rightarrow	— - i
	and str. perusanily sills fiel, epidate rain attrane at using and sidice flooded	section, ac neglet brenietest.											
	14.99 - 15.30 fruit zone	Ø									\square		
19-22 21 18	AUCUTE ANDESITE light many of	al distance to altere of		43				-			\vdash		
10.30 20.10	LOGILE APOLSITE With yours of	60- 400 TCA COMMAN CONTOR DULANT	1	1 42							┝──╂		
	AUGITE ANDESITE light green sto Locally colyctic zones, calite vours at or reiding, head gtz stockward, dice o	+ Arrive Pilling prite 4-2%											
				- 00							⊢		
3518 31 24	ANDESITE TUFF dark green fi	re provincel, phloritic molitik,	<u>.</u>	88					· ·			<u> </u>	
	bush smell silic flood, hight parte i epider on Bigty. Is	PHE /10 13 AND THE COP (AND ME	1										
								(1994)					
37 59 38.35	22,79-3794 upt yrey, marrie (1004.	more like subica flanded bieccia		90	37.59			6779 <u>4</u> 6780 M		2.001	├ ── ├		
	34, 19 - St 19 upp gres, Mainre 1109.	912) Van pprik & 170	+	 	37.94			6781M		2.001			
38.35 40.84	"CLAY"ZONE extremity day-scritte -	chlaste alt sed when a		78									
	0 9			-	ļ	···		·····			┟───┤		
40.84 54.25	AUGITE ANDESITE dark Accu, mott partice verning at 450-90° TEA, benel	ullasonauto ma pindilla		- 99							┝──┤		
		G •											
5425 5464	VOLCANIC BRECCIA clast supporte dismetter phile and make vollamic program	a mostly inviter up to Sim in		68	54.25	54.64		67827		.004			.14
	chometter febric and make volcamic Bagmen	to mondy " Chlo. to making comments	ef								┟───┤		
···· ···	by ptz-calenale verning. diss. pyrite ~	× /•	+							+			

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Drilling Company:

Hoje No: Page:

Depth			Recove	ну	Depth		Lamaia	Semale		. 🗛 🛛	Ag.		Ho
	To	Description	ilun		Franc	Te		Humbs		~∎ ⊂≈/7			9/1
				<u> </u>									<u> </u>
64	57,70	ANDESITE TUFF dork pren pice stification mercaios to		BI	[
		strong by the billion of the eatron' well device per pink counte wing		<u> </u>	·								<u> </u>
		mostly at ~45° TCA built 70°-92"T. A small braine zones withenkel		<u> </u>		- · · ·	<u></u>					┟	<u> </u>
		ANDESITE TUFF dork preen in stifiction increases to strong by the bottom of the eation well developed pink colorte wing mostly at ~45° TCA back 70° 92° TCA small braine zomer contented by colorte dose pyrts ~ 2-3%										┢━━━┛┦	┝──
								(1993)					⊢
. t o	5 30	QUARTZ BRECCIA dark grez fine volconic florida by silica strong!. Ardunal with confirmite in fill peaks strong' scribe-chlorite alt propose such at	-	70	57.70	5 8 .36		678:M		, 002			<u>. o</u>
		Kichard with carbonde in fill books strong's scrible chlorile alt manou such one		┣──	├ ──					 		┝┦	├
	<u></u>	OUDPTZ NEINI LITERALAS AND AND ALZ A STATE		79	58.36	60/10		6784 M		1.004		┣──┦	1.7
56	<u> 27.90</u>	QUART? VEINI light to daile grey man ic BOYO pt2, diss pyrk 28. conbonate and sulphic? on Bactures		71	10,76	21.90		678YM		, 00-			11
		Continuota and sulphie - on practiciones		<u> </u>	<u> </u>			[┝──┦	
40	60 20	SUCA FLOONFD VOLCANUS light and when the objection		80	59.40	62.20		GTEM		.003			.,
10	00.50	SIICA FLOODED VOLCANIC lipht grey-prechist, stoppt: opidate - chlarite fine volcomic pervesity singifient, disc out facture filling pyrte. 5%			51.40	00.20		0/0/1		003			1
		mate 4%			<u>├</u> ───			[<u>├</u> ─-	ţ –			\vdash
		11		<u> </u>	1								-
0.30	67.05	ANDESITE TUFF light to doile process, fine presided, marrie, chloritic matrix patches of epidate, making bicciccled with colorite "comment" phandonate very of 43-33" TCH, chiss and procling filling pyrte.		94	1								
		chleritic matrix priches of epidate medily biccucked with colute											
		"coment" phante very of 43-33" TCH wiss and brocher											
		filling prote:											
		E.O. If			l							L	
					<u> </u>								L
				<u> </u>	<u> </u>				<u> </u>				┡
				L	I		· .		<u> </u>	I		 	⊢
				<u> </u>						 		<u> </u>	_
				<u> </u>		·						<u> </u>	⊢
									<u> </u>	 	l	<u> </u>	⊢
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Drilling Company:

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Logged By: LD Date: Sip 29 1914

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Hole No: UC 94 DDH OL Page: 2 et 2

In Deserved



Percen	enced: t Reco	U. Choppelle Location: Division/District: Sep 29 1994 Completed: Sep 29.1994 Core Size: / rery:	VQ		True Be	earing:		0°		Length; Elevation: Vert. Com	-	74.06
Dep	rth .		Reco	wery	Sample	Interval	Sample	Sample	Length	Au	Ag	Han
From	To	Description	Ron	5.	From	To	Recovery	Number		0¥/+		<u>177.</u>
0.00	3.35	CASING			ļ							<u> </u>
3.35	5 .90	ANDESITE TUFF badly broken core, while proon fine		65								
		proinced strongly frontened volconic, timonto slow on fractures dis, ponte ~ 200								1		
5.90	17.60	ANDESITE TUFF mostly light picey mottled will, to moderate scripte chlorite alt, locally norion shear zours		80				 				
		1440-1510 Silic plosded section, ac epidate and prote					 					
		on the prochages.					<u> </u>					
1760	28.95	AUGITE ANDESITE Light pren moderally site if a Locally strong chlorite sericie selercel, oce esterle verie, diss ponte -2%		90	<u> </u>		<u> </u>					
28.95	40.50	ANDESITE TUFF dark greg-preen, fine groined, disc parte > 5%, 3650-4050 actionly Sincified section.		41								
		QUARIZ VEIN - BRECCIA ZONE changly precisided and cemented by silen volcen yould some vein material, epidote Advite metrix, bellos of proster ~ 3%		72,	40.50	40.74		6787 M		.010		
		Alaite matrix, bellos of pyrite ~ 3%					<u> </u>					
		Logged By: LD				Hale N		94 DD H	105			

Drilling Company:

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Hole Nat WC 94 DDH 05

Date: S.60 30 1994

1'age: 1-12

Depth			Recov	ery	Depth		Semale	tomaio	 Au	A	Δ α
	Te	Description	Burn	•	Fram	Te			02/7		<u>3</u> h
74	4255	GUICA FLOODED and was made to walk for the	[95	40 84	47 55		6.7 8 8M	 . 00 3		
<u></u>	12.43	SILICA FLUDED and you make in particle force that				12.33					
	1			20	455	44 34		6789M	 . 00Z		
27	1201	QUARTZ BRECCIA straphy Arcieta and siles planing volcance				11 - 1		5,- ,, ,	 		
		ANVESITE CLAYZONE extremity chlariticaes ite-clay alt		67					 		
		volcon (soit) the pyrite 720% or ipper port.		 							
.47	49.52	QUARIZ" VEIN' dask green prog for volconic flooded by silver, preches and frecture filling porte ~ 5-7%		95	48.47	49.52		67Y5H	 .0024		
		prtiches and frecher filling parts ~ 5-7 %							 		
12	52.27	ANDESITE strongly chlorite-scalife rigg alt valianic, ou coute verning, tiss prote a 2010		98			 				
		vaining, diss pp. to 42%	 								
17	52 44	QUARTZ VEIN white ptz programmits in precipited valcomic,		95	52.27	<u>52.44</u>		6791 M	 .002		
		epidet blebs, potutos of pyr. 12 - 3%						.			
44	70.86	ANDESITE TUFF light to date preu motice inc yround, locally	[89		,					
		ANDESITE TUFF light to dak peen may re strac provided, locally augre andente, shong's produced with callate years at 45-32 TCA, epidate - phante patches, disc and frature pilling prote.		1							
				99	73.86	1117		679.2 M	 .002		
	F1 62	QUAPTZ CRECCIA - silica flooded biccorried fine volconic, light green strong epidole chlarte actuation, dia and produce filling pyster is utin motion				17.62					
		QUARIZ VEIN helt to lade prog. edite in fractions, diss. punto < 1%		48	71.62	7221		6793M	 ,002		
			<u> </u>								
21	74.06	ANDESITE TUFF strongly chloritic some block prohes of motic, white pink is to calute verning, sili-field on top, packer, and disc pyrile the ~ 2-340 FOH		93		 				┝╼┈┢╸	

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Hole No: 山C 9400H のう Page: 2,4 2,

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Onling Company:

Logged By: L.D Date: Sep 3+ 1384

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Comp	t Reco	W. Chappelle Location: Division/District: Sep 30 1994 Completed: Sep 30, 1994 Core Size: rery:	NQ		True B	earing: omp:				Length: Elevation: Vert. Con		83,21
De	nh .		Rece		Sample	Interval	Sample	Sample	Length	A	Az	Au
	To	Description	Run	\$	Frem	To	Recovery	Sample Number		alt		0/7
0.00	3.30	CASING		[<u> </u>						
3.30	6.00	ANDESITE TUFF dank green bidly Bisken and pretured, hmonite string on fractures, moderatly silicified, disc preter 2%		67			<u>↓</u>					
6.00	18.2B	ANDESITE TUFF Light year mottled for cheartic moto x beally weakly sherved diss proto 23%, 15.00-K60 silice floded seens		89	للامن	1660	060	6794M		2.001		
18,28	35,6]	AUGITE ANDESITE light open, chloritic in this insite to moderatly silvified, freque filling and collite voining of 60-80-TCA,		92	 							
35,6	44.50	ANDESITE TUFF South Org-geen mottled fine tout in the mour section of Augste Auduste, less colorte vising, ste subficiation		94								
44 50	58.58	AUGITE ANDESITE dans green manie chlorite op d. distored uesk gtz colonate w. nieg, beally workly precident distopped 370 but part shough only to day periode all and provesure site food.		90								
1 1		QUARTZ VEIN unaccontect shorp lower y talional, light 5. dork mossive glz with year contende on protines, parts < 1%		77	585B	58 79	0.21	6795 M		Z:001		
[Client:		Logged By: LD	L	L	I	L Hole N	L	<u> </u> 94 D0 H	06	J		·

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Drilling Company:

Dates 500 30 1994

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10+2 Page:



De	pch	e de la constante de	Reco	wery .	Sample	Interval	Sample	Sample		Au	Az		Au
From	To	Description	Rua	%	Frem	To	Recovery	Sample N omb er	Length	02/1:			1H
													<u> </u>
5879	61.87	ANDESITE CLAY ZONE extremely plante day service desuit		75									
		volconic (mostly saft), disc printe ~ 3.4%											
6187	62.03	QUARTZ VEIN Black-prespecey strength brecieted, petches of		99	61.87	62.08	0.21	6796 M		<.001			
		QUARTZ VEIN Black - proj presy stranghy bracictal, petches of alloute - epidate commented by sitile flood well coleite verning, to day.					<u> </u>					ļ	
		7 7		ļ			<u> </u>					Į	
62.08	70,16	ANDESITE TUFF dork green mottled fine princed strangely		96			 _					$ \longrightarrow $	
		ANDESITE TUFF dork green, mottled, fine printed, strangely frectured with prote-colorle infill, strangly delarge altered				ļ	ļ	• • • •					
70,16	7075	QUARTZ PORECCIA on the topond bottom light your supary massive		95	7016	70.75	0.59	6797 M		.004			
		ven with pinkich and greenish stain on proctices 2-3% pprile, midle alloritic			_	 						╂	
		QUARTZ POLECCIA on the top and bottom light your supers messive very with pinkich and greenich stars on Proctrues 2-3% porte, midle chloritic ctrongly purific and precided volconic commented is cilica.				 						┟───┤	
7075	20.10	ONDECITE THEE WILL I A AME		92	 	 	<u> </u>			<u> </u>			
10.12	00,00	ANDESITE TUFF mostly dark preen moninic fine preined uly numerous non discussed zones with calculationent's not not of colore vendets at 45-90° TCA backy patches of spidate and chlority charitic molory, disc pyne ~ 2-360		12		<u> </u>	-			· · · ·			- <u></u>
		colorto we alote at US-90° TEA locally battless & alote and chine	- •		1		i —			1			
		Alastic makes disc print ~ 2-36			1								
					<u> </u>					+			
80.10	81 14	QUARTZ VEIN unser and lover can tot charp white of (80%)		98	8070	81 14	0.44	6798M		2.001			
		QUARTZ VEIN upper and Lover contat sharp, while ph (80%) with green valuence framents, bonded pres sulice in the lance part, diss. pyrite ~ 1%					1						
		diss. norte 2/40					1						
8 14	88.08	ANDESITE TUFF stronging broken core, dark prease, morrive fine princed stronging chloritic valcanic		76									
		fine prince strong - delantic volconic											
		EOH					<u> </u>	L					
													
		•			-		L					↓	
			L	1	1								
licat:		Logged By: L.D				Hole Ne	• UC 4	14 DDH	06 .				

Drilling Companys

Date: Sep 30-1994

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Drill Hole Record

Percen	enced: t Reco		1:	NQ		True Be		/	800		Length: Elevation: Vert. Con	-	<u>84.43</u>	
Dep	rh.			Reco	wery	Sample	Interval	Sample	Sample	Length	Au	Ag		An I
From	Te	Description		Run	%	Frem	T•	Recovery	Number		077			374
0.00	3,65	CASING							1					
3.65	5.94	AUGITE ANDESITE oxidation zone strongly broken	and		73]								
		fractured core, knowle and manganese shen in Practice	es. 1			1		1	1	[1	
		/·····································				1			1	1	1			
594	840	AUGITE ANDESITE Light green marine, medium to la	vere (4mm)		80					<u> </u>	1			
<u> </u>		AUGITE ANDESITE light green massive, medium to la augite pher. in fine chloritic matrix, some parte on fraction	-24						<u> </u>					
<u>├</u>		and the proceeding the part of			ł	<u> </u>		1	<u> </u>	<u> </u>	1		· · · · · ·	[
840	14 45	ANDESITE TUFF dark Diepy-Ach mattled to 960 stran	1.01.0		91	<u> </u>			+	<u> </u>	1		+	
10.10	11.12	ANDESITE TUFF dark green-Acy mottled to 9.60 stron day-scrift Monte altered , bush 1 and in the motrix dist	14.19		<u> · · · ·</u>	<u> </u>			+	<u> </u>	+			
├──		and the second and the second the second the	PA 10 - 200			<u>+</u>	- -		<u> </u>				1	
V.LC	15 40	ANDESITE TUFF - QUARTZ BRECLIA ZONE strongly	hauth		93	1445	IS WA	1	6799M	0.95	6.001		1	
4.47	/3. 1 /				<u> </u>	119 73	13.10	+	<u> </u>		1-1001			+
		volconic cemented by white silies (<50%) where in with pritike	J. FWICING					+	<u> </u>	├──		<u> </u>	+	
<u> </u>		filling colvite pynte ~ 5%			├──		<u>├</u>	+	 	<u> </u>			-{	├
11 10	17.01	ALDECTETICE ALLOW OF LUF	1 A		96			+	<u> </u>		1		+	├───
1.2.40	117 05	ANDESITE TIFF massive doub freen , extining chlorte d	Hog. L.		10				┼───				+	
12.4-	2.0	AUGITE ANDESITE I'LL	1			+					+		+	
11.81	30.23	AUGITE ANDESITE Light pres marrive much builded on	not prz		00						<u>↓</u>			
		veining on the top, opperence "popphyritic" texture chlochic,	notrix		90			+	<u> </u>	<u> </u>				
<u> </u>	· ·	ohss and partice Killing parts ~173			 					<u> </u>				
									1	L		L		

Client:

Drilling Company:

Logged By: LD

Date: Oct 2 1994

Hole New WC 94 DDH 07 Page: 1 of 2

												ble Reco
Depth		Description	Recov	ery	Depth		finnets Na		Lands	nu 02/t	4	<u>A</u> u
	To		Run	•	Fran	Te	*	-		02/4		<u></u>
0.25	33.71	SHEAR - CLAY ZONE light to dork grey crtranly day scribe select		65	30.15	32.00		6800M	175	.002		.01
		and sheared valcanic, some conbanate in the materix , gtz Rogments in				37.71		6801M		. 202		.0
		muly groundmos, 3080-3200 porusine sitistic section, 32,00-3260		ļ								
		mily section, 3260-3371 nealing stictule discusted mudy volumic, diss. prite throughout ~ 3.5%, shear at 45° TCA								 		
		prite throughout ~ 3.5%, shear at 45° TCA				- · ·				 		
3.71	55.75	ANDESITE TUFF light to double prease mattled massive, five privand		89				:				
		string dilartic matrix, beally adute filling the raise or weally										
		ANDESITE TUFF light to about green mattled, massive, fine privand string chloritic matrix, locally colorte filling the fiscines, acc. healdy brecieted with pt epidote filling, this and findure filling pp in ~ 3%.							-]		
	1	·		43	60,14	6190		GROZM	176	2.001		
·]•	70.00	sitis kied, disc and Bartus killing prite is 2 prive epidete up as where			00,0	1, 10				2.001		
		SILTSTONE dark picy mostly Alack the project, extrement perussive sitisfied, diss and fracture filling prite 2%, narrow opidate vour hyper and over contact gradational.		1								
					26.12			(0.1.)	1.14			
800	16 .40	ANDESTIE TOFF darle green massive, five you need, when the matrix,		195	K.28	76.40		680314	1.12	2.002		
		ANDESITE TOFF darle green massive, five you'ned, when the matrix, opidate patches use rabile vicining buer part shear zone with ghe combrants commenting sheared volcame, where at 40-45-TC. A		-						<u> </u>		
.40	77.50	QUARTZ VEIN white to hight prey marrive buildy sugar, porte and dork grey file sulphile on the preduces		93	16 40	77.50		6804 M	1.10	6.001		
		doute grey frite sulphide on the produces			 			· ·		┨───┘		
20	78 00	FAULT ZONE - Poupe		99							+	
6,00	84.43	ANDESITE TUFF upper part extremly chier to actored, weshly cheard and breacted with unregular networks of calife parties and vision of bushly frequented in the lover part, diss. and fin true filling pyrte.		45					· .			
		and breacted with naregular activate of calite patition and verining bushy								 		
		preprental in the lover part, diss. and findice filling pyrte.		+		· · ·				<u> </u>		
		E.O.H		1	1	t		t		<u> </u>	┝──┼	

Logged By: LD Date: Oct 2 1994

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Hole No: WC94 DDH 07

Drilling Company:

Page: 2, 4 2



Comm	t Reco	W. [hpp0]/0 Location: Division/District: Oct 01 1994 Completed: Dct 03 1994 Core Size: rery:	NJ.	_ _	True B			۵		Length: Elevation: Vert. Com	-	74.78 <u>m</u>
De				mery	<u> </u>	Interval	Sample 5	Sample	Length	A	Ag	An
From	To	Description	Run	\$	Free	To	Recovery			02/1		g/t.
0.00	3.04	CASING			I	<u> </u>		ļ	L	<u> </u>		↓↓
			<u> </u>]	<u> </u>	<u> </u>	<u> </u>		<u> </u>			·
3.04	7.31	AUGITE ANDESTE dark green back bisken and fixtured,		68		 _	[<u> </u>
ļ	ļ	hmontic and manganese story on Aractures disspirite -2%.		ļ				<u> </u>	<u> </u>	┿━-┤		<u> </u>
	<u> </u>	0	<u> </u>		·	<u> </u>	}	┫────	┟────	┿╼─┤		+
7.31	21.12	AUGITE ANDESITE light to dark prean mettled, moderally to		95			+		 	┼──┤		+
┣—-		AUGITE ANDESITE what to dark prean method, mederally to showely chlorie alt, weakly breciciled in the lowy part, situa 10%.				{'	-{			+		+ -+
	2.00	AUDECITE a hamp all to say to day adout (. At my 1)		88				ł	┝	<u></u>		}
<u>612</u>	21 90	ANDESITE extremely chlor to seriate do allered (soft muly)		1.00		f	<u> </u>					
21.00	12 92	AUSILE ANDESITE dall seen matthed wells have a well		90		<u> </u>		<u> </u>	<u> </u>	1		1
10.10		AUSITE ANDESITE dark green motiled windly cheared moderates to locally strong charter-seriente-day set	/	1-1-			1					1
				<u> </u>								1
17.92	28 29	AUARIZ BRECLA network of cossentiate pter cobrute printeds		96	27.93	21.29	1	6005 M	0,36	2.001		
1		QUARIZ BRECCIA network of consideriting phe conductive verillats commenting backy brokey andonte, dis prite -2-3%]				·
	1											
28.29	2986	SILTSTONE Light green, very fine strongly city. Dica sconned		100								
		SILTSTONE light given, very fine strongly sin fice sconned (almost like devt) weekly showed with some "min bereis" zones.										
1	1							L				
218	30. 38	QUARTZ VEIN white to light prog, marrie almost 100% solice		18	29.86	31.38	<u> </u>	6806 M	0.52	2.001		
		to of subpide postly pyrite of forchuses.			1				<u> </u>			<u>I</u>
Client		Logged By: LD				Hole N	ະ ມເ	94 00	60 H			

Drilling Company:

Date: 04 3 1:14

1 of 2 Page

Depth			Recov	ery	Depth		tomate.	-		~	A	Au
Fram	To	Description	Bury	*	Fram	Te	*	Sampto Munidro	Longth	02/+		9/1
0.38	36.08	ANDESITE TUFF but a druk great piet mottled. And provaded, US 50		39								
		Bun Hide carbonate P12 filled "mini breaks 2 200 ville sulpide with 5-7%		1								
		ANDESITE TUFF but is donk grea-pre: mottled, fine provinced, US 55 3m Hide carbonate pl2 filled "mini breaks 270005 US6 sulpide 415 5-79/5 ut mostly 40-50- TEA. 3429-3460 shary; break zone.			34.27	34.60		680711	0.3/	<.001		
36.08	37.18	VOLCANIC BRECCIA date prem volcanic for priests me lea i pte-contrante vern lets, priver of epidate discard forture folling pp t		95	36.03	37.18		6808M	1.10	1001		
		pte-contracte very lets, militar of chidate discard forture filling prot.										
		~10%										
					[
7.18	39.30	ANDESITE TUFF dark press, Bre proince, strangly porves my silvifick		94								
		ANDESITE TUFF dork presy, fine proince, strongly porces inly situified, beally narrow gyprom and gtz veint at 40-45. T.C.A.										
I					L					1		
9 30	40.23	QUARTZ VEIN light to date prey, marrie , chiss and fraction allow		97	37.30	40.23		6807M	093	.007		
		prote - 2%,	ļ		L					L		
					I	I						
0.23	58.52	ANDESITE TUFF hight to do it pices massive fine prevaie upper port shough appichent - chlorie stored while and verse of prote making breached (6610A), lower shounder situation with stadands of go re-bonde versets and "mini" breact situation,		87	4076			6810 M		· 002		· .7
		shoughy apidult - chlorite setercel, diss and veral of joynte weality breaked (66104)		ļ		16.FS		6811 M	0.69	2 00 .		
		lover shanger situated with staduale of pre-contenate ventets and "mini" breceiss (68414),		 	52.42	53 00		681214	058	1002		7
										_		
8.2	6.00	ANDESITE TUFF shoogly chlorite winte day allered (suft)]	90	<u> </u>	_	<u> </u>	I	<u> </u>	 		
			ļ		_	l				+		
1.00	71.20	ANDESITE INFF dork preen, builty mottled, fine gound calul	ļ	14		ļ						
		matrix patience of chitata, of contained verifits with locally nausue	ļ	 	I	<u> </u>				 		
		ANDESITE TUFF dork procen, broth mottled, find ground calid. matrix patcher of chitata, pt2-conformate variates with borolly named biscricted zenes, disc and preduce find pyrite 2-3%			 	 				┟───		
			<u> </u>		-			6				
11.20	7162	QUARIE BRECCIA chlorite alkered volennic comment by show 10% port		100	H 20	<u> 74.6</u> 2		68/3 M	0.42	.0/3		. 4
162	7413	ANDESITE TUFF upper port spony chlorit-day altered, lower breceiched silve?	¥	93		╂───				 		<u> </u>
				102	74.12	74.53		600 44	4.40	+		
14.13	<u>79 52</u>	QUARTZ VEIN in poor light dk greg inpact and haver contact sharp at 45" TCA.		100	<u>†4.13</u>	74.52		681Y M	1.34	. 003		·/e
				91	<u> </u>				· ·			
156	14.18	ANDESITE TUFF strongly chlaste-chy alt could prove site string field por 5%	l	1 71	<u> </u>	1	<u>ا</u>			L	L	

Drilling Company:

Date: 01 3 1774

Page: 2 of 2

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Coma	rty: benced: ht Reco	Location: Division/District: <u>Oct 03, 1994</u> Completed: <u>Oct 04, 1994</u> Core Size: very: Collar Dip: Objective: linates: 180 NJ, 200 NJ Objective:			True Be	-		300		Length; Elevation: Vert. Con	 		
	pth		Rece		Sample	Interval	Sample	Sample	Length	A	Az		1
Free	To	Description	Ron		From	To	Recovery	Number		oz/t	~~~		3 /t
0.00	4.87	CASING											
					ļ			ļ	<u> </u>	 			
4.87	9.93	ANDESITE FRAGMENTAL daily given - grug-bininghy, clost superies,	· [75	Į	L		ļ	ļ				
ļ	 	subangular to subranged up to E cm in dometer volcomic Areginents in fine ablaitic matrix large patcher of epidate and prite 407 to 82. stringly broken and limmile stair or firstures (aridding zone), made						ļ					
\vdash	┣──	fine oblasific matrix large patcher of epidate and parite 467 to 82.	4	<u> </u>	<u> </u>	 	+	 	+	1		<u> </u>	
<u> </u>		stringly broken and limonito stars on firstures (oxiddin zone), midde	<u></u>					 	 				
		perverive silisfied.	-f	{				┟	{	+		{	
993	<i>R</i> 32	(RYSTA) TUFF and Annih Andre ciliple and multi-	┼──	89	}			<u> </u>		_			
1.13	<u> " " "</u>	alore long the star large alter tip and profile	+	+•+					<u> </u>				
<u> </u>		CRYSTAL TUFF green brunish trongly sitisfiel and propertilic actured, locally strong K-spor altoution, diss and Bacture Filling pyrite 2 5%.	<u> </u>					<u> </u>		+			
			<u>├</u> ───	1.	1	[1	t	t	1			
17 37	1846	AUGITE DACITE dark area extremly pervisive situitied hall	1	90					1				
	1	AUGITE DACITE dark grey extremly perussive situified hall Kispar overprist, disc and fradme filling pyrite 7 59.	1			-							
18.46	20.11	FAULT ZONE mostly aquee with beally small sheared and si the	1	85									
		FAULT ZONE mostly gauge with beally small sheared and single volumic fragments.											
20.11	20.70	FAULT BRECCIA light grey strongly sheared and bruisted fine preined volconic comented by citics dis yete: 17		90	20.11	2070		6815M	0.59	2.001			
L		fine preincal valconic comented by citica dis viete 17	ļ					Į	·	Į			
(1		1	1	1	1	1					1	

Client

Drilling Company:

Logged By:

Hole Nox G94001101 Page 1013

Dates

			•									ole Record
Depth		Description	Recov	very	Depth		Sample	Jampie	Lanath	~	Ag	An
Prese	Te		Run	*	Frein	Te		(temple)		07/t.		<u>ə lt</u>
20.70	R2.44	CRYSTAL TUFF while grey green more like usb and fine schiment (tuffile) scripte-contrant matrix, wally pervasively schiefled, are K-you altoration diss mat wide bands of pyride on fractions at 50-60 TC A.		કર	╂				<u> </u>	ļ		
	<u> </u>	sonale-controade matrix, wall pervasively schufict, all K-yny starsing					┣━━━━					
	╂────	chiss my wide bands of pynde on fractions of 50-601CA.		+	╂	<u> </u>	 					
	1			92				<u> </u>	<u> </u>			
<u> </u>	30.60	VOLCANIC BRECCIA Andesite and Dacite impulse Boque in 2nd chlorite-sericitic matrix, diss. pyrte therefor t ~ 3%		12	<u> </u>			·		 		
		chloripe - sericine motrix chiss purch through (~ 573			╂───							
2010	7170	PROINCITIC DALITE dale and M. Will But to and and in	}	100	<u>+</u> —					}		
50.00	5120	PORPHYRIFIC DACITE dark grey-blackish , fine to medium yioins I, while feldspar phenos in fine motio matrix, fine grained giz~1090 dis p1. 190		1,00	<u>+-</u>	·····	 					
		UNITE ACCURSION DUBURO OF DIA MODE MATTIX, FINE JAANCE OIE ~1010 AN \$1, 170	<u> </u>	+	+						 	
ZI 20	10.20	CRYSTAL TUFF light around a line and a stude has 3749 5 3442		100	<u>+</u>			· ·			┠╍╴╌╉╸	
<u>,</u>	10.00	CRYSTAL TUFF light green-prez fire ground massive, from 37.49 to 31.43 strong chy-scrucite ultered and weakly sheared, durite a factures.			1	·				h		
	3	• •		+	t			<u> </u>				
41.20	44.00	AUGITE ANDESITE black angite phene in fire hight preve (chloring) matrix, marrie , popphysitic tex., parte on fractices ~ 1-2%, upper contact at 60 cover at 30° FCA		48	1					 		
1.00		materix marriel annumber the prote on Backness ~ 1-2% where confact		1-0-	<u> </u>							
		of 60 lower at 30° TCA			1							_
					-							
4400	4450	QUARÍZ BRECCIA volcaria fropments centertesi (j. proj silica, son e epidate-chilorte blebs, pprite ~ 3-5%		99	4400	44.60		6 6 KM	0.60	. 002		
		endote-chlorte blebs prite ~ 3-5%								1		
	-	· · · · · · · · · · · · · · · · · · ·										
44.60	5225	AUGITE ANDESITE as above, heally frequental and unualy"		96	1							
		section										
51 25	52.80	SHEAR ZONE chrough sheared valence with bands of grey silico at 40-65° TCA, prik ~ 270.		88	8225	52.80		6817M	0.55	· 002		
		at 40-65" TCA, ptnte ~ 2%.										
5283	5585	CRYSTAL TUFF with beally Angite Andonite frequencies, are chlorte in the fractiones, diss printe 22%		93								
		the fractiones diss printe ~ 2%										
				1	<u> </u>							

Logged By: LD

Drilling Company:

Det: Oct 5,1714

Hole No: G94 DDH OJ Page: 2 of 3

Depth		Parallel at	Recov	lery	Depth		Samete	Summite.		~	4	Ha
j i	Te	Description	Ren		Free	Te	•		Langth	orlt		<u></u> g1
r ac	51 0.3	QUARTZ VEIN ALLOW TO HE HAD A THE AND A		98	54.85	C/ 90	·	601BM	1.14	Z 1001		
	<u>00.17</u>	some led he sty kland the make by a ble of the start	1	10	+7.92	50.17		••1011	44.7	< 1007	_	<u> </u>
		QUARTZ VEIN dade grey-precisely, strongly preciseted fine priver a commented by sites flood, the on the first of philosof of childrents and apprivate in philosof of the origination of the private of the philosof of the phi				†						
				97								
5.97	<u>65.53</u>	CRYSTAL TUFF dark grey-blackish, fine proince, marive, moderatly suicified locally medium proinced, this pro 170				l						
]	suified westly medium proined, this proto -170										
	1100	ADDITE AUDICATE AND A A A A A A A A A A A A A A A A A A		95		<u> </u>						<u> </u>
53	06.05	AUGITE APPLESITE light picen massive upper callect of yours A based 33. Fr. A.	+	74	<u> </u>	ł —	<u> </u>	<u> </u>			┟───╄╼	
				• • • • • • • • • • • • • • • • • • • •			<u> </u>				i	
05	22.47	CRYSTAL TUFF as above with bully Appite And, to seeling		93								
								L				
47	73.31	QUARTZ BRECCIA grey-green volcomic Hopmets commented by white ytz, extremely strong chlarte on the fractions, some existing		98	7247	73.31		6819M	0.84	<.001		-+
		while ytz, extremely strong chlarte on the fractions, sone epistice			<u> </u>	l						
		diss pyrite.									┟───┼──	+
3 31	78.33	AUGITE DACITE Light to dork are marcine medium funiacity		96		<u> </u>						
-		locally mattled, paintmitic textue moderate splicitie & source										
		AUGITE DACITE light to dork prey, massive, medium provinced, locally mattled, pophynitic textue moderate splicinic ly source chlarte on finghnes, while and finghue filling popula - 240										
						_		ļ				
		E.O.H.				 					┢━━╌╂╍	
				+	• • •						┟───┠─	
							· ·					
					<u>† – –</u>							
				ļ	ļ				 		-	
	,	·		I		L				L	\vdash	

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Logged By: し.D. Date: のよう パイチ

Drilling Company:

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Date: OUS 1114

Hola No: 6 94 DD H 01 Paga: 3 of 3



Property: Location: Division/ Commenced: <u>Q.I 04 1934</u> Completed: <u>Q.I 05 1994</u> Core Size Percent Recovery: Collar Dip: <u>-90°</u> Dip Test: Collar Coordinates: <u>180 N</u> , 215 W			Claim: True Bearing: Hor. Comp:		80°		Length: Elevation: Vert. Con	-		
Depth	Reco	very	Sample Interval	Sample	Sample	Length	Au	Ag		
From To Description	Rut	*	Freen To	Recevery	Number	L				
0.00 5.18 CASING			<u> </u>		<u> </u>					L
			łł							ļ
5.18 11:30 ANDESITE FRAGMENTAL dark green brown bade	biskon and	65	}					ļ		
Reachined, lamonite stain on frechures, chlorite epidate	priches,		 							<u> </u>
diss and fracture filling parte 2-3%		80	<u> </u>							
120 11 14 CRACTAL TUET and burnish stand	lland	89	╆╴╶┥┯╼			1	·			·
11.30 16.44 CRYSTAL TUFF grown-brownish strongly propolitic (monthy large petches of chlarte "pidate), Situifical,	dill write		+							
throughout.			<u> </u>			† —	1			
					†	T				
1644 1676 FAULT ZONE strongly sheared and breciched valcomic my	daytic zone.	92								
	·									
1676 29.75 CRYSTHL TUFF dark pay-brunish marcine fine pro situitied, upper par forgemental, where the and park	ined moderally	99								
situitied upper par premental , chlorite and prele.	~ fractines,						l.			
	'				<u> </u>	ļ		ļ		
2115 30.00 AUGITE DACITE dark greg, massive, posphyritic tent Movite replacing augite, pgr. to ~ 3%	ne epidete	95	<u> </u>		ļ	· · · · ·		└─── ┘	ļ	\vdash
Monte replacing augite, parte ~ 3%	·····		 	iiiiii	ļ			L		<u> </u>
			<u>∔</u>		 	· · · · ·				
30.50 36.60 CRYSTAL TUFF dark pren- prey motiled, fine pr powersively silicified, chlaste in the motion, pyrik of	ever the second	86								
powerswery silic fied, chlaste in the matrix, pypled	- 576		ł		<u> </u>	<u> </u>		├ ──┤		<u> </u>
	·······		L		1	L	1	l	L	I

Drilling Company:

Deter OLFOG 1784

Hole Nee 694 DDH 02.

143 l'age:

Depth			Recov		Depth						4.	<u> </u>
-	Te	Description	hm		Fram	۲e	Simple %	linnin	Longik	01 H		9/1
6.60	38.20	VOLCAPTIC BRECCIA volconic fragments in chloritic "mudy" motorx, bands of pp E talk on fractures		R6								
		bands of pp & talk on fractures		Τ								
				<u> </u>	<u> </u>							
8.20	5566	AUGITE ANDESITE light green with dark green blacking augite phes. massive fine to medium provided, upper part weakly browned, bushy "m. d." sections, chlack diss in the mater and protocol filling, some epidate.		92								
		phes. massive fine to meeting proined upper part weakly biornited,										
		builty "m. dy sections, chlaste dies in the mater and pretine Pilling		<u> </u>								
		some epidate.										
				L								
.66	51.49	ANDESITE FRAGMENTAL mostly subrourided up to 3min diameter volume		<u>93</u>								
		ANDESITE FRAGMENTAL mostly subrourided up to 30m in diometer volume programments in fine Augule Andesite, locally conglomerate specience, strongly chloritic, epidate and porte on the Bactures, are pink calite at 60-20" TCA			<u> </u>							
		chlaritic, epidate and parte on the pactures, are pink callite at 60-200 TCA			<u> </u>							
3.49	58.82	CRYSTAL TUFF very fine, chlastic "mudy"		69	ļ					· · · · · · · · · · · · · · · · · · ·		
		-										
<u>382</u>	67.69	AUGITE ANDESITE light to de green massive, fine promed duritic matrix, ac neuron pink click ~70°TCA, diss pirto -1-2%		95								
		matrix, ac neurous pink calcule ~70°FCA diss pyrte ~1-2 %	·									
					10.10					 	┍━━╴╂╺	
69	60.43	VOLCANIC BEECCIA dave proy internic forgenents commeted by		90	67.67	68.43		6820M	0.74	2.001		
		VOLCANIC BRECCIA dark jury internic fragments commeted by Muniteepidate flood fine gh provins - 590, diss parte 1%.									<u> </u>	
		-		00				60214				<u> </u>
1.92	15,05	HUGHTE HIVESTIE as about, stronger which epidale allow than,		1-22	13 70	¥1.35		<u>682111</u>	1.05	2.001		
		AUGITE ANDESITE as about, stronger attacts gridale allow have, bottom part locally extremtly progritic selenced, heally marks inphile ~20%			<u> </u>					ł		
		parite.		+								<u> </u>
- 00	30.00	VALCANUC BRECCIA della ser alla della de		96	75.05	70		10224	1.45		┝━━──┼╺	
.03	76.20	VOCCATVIC TREACTING THEY FREED EXTENDED ON THE TRANE PROSTER	F	+	15.03	10.30		160 e ~ / J	1. N	2.001		
		VOLCANIC BRECCIA doub gicy-green, extremily obtain to private flooded volcomic forgements with silica over print at least two phone of silica flood, beally marrie parte ~ 20%		+	1				<u> </u>		├──╂─	
		print , OC Marsile yith - < 1/2									<u> </u>	
6	RIGO	AUGITE ANDESITE as above with shonger chlorite update allerling		98							├ 	
	01,80	in the upper part.		1-19	1						┝──╂─	

Hole No: 69400H02

Drilling Company:

Logged By: L D Date: 0,106 1794

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Depth			Recov	rery	Depth		Samet-	1		<u>^</u>	A	Au
	To	Description	But		from	Те			Longth	02/1		9/1
81.60	82. 90	VOLCANIC REASCOUN stanate brecisted are produce indiate		88	8163	82.16		GR!3M	0,56	:007		21
		beally white-prev silica flor 9° stronging chlork difered, day-tylis in			8216	BZ, 80		6821M	0.64	. 003		.10
		VOLCANIC RRECCIII stangty breck Led un fricturce inai, 10 breaky white-provisition flor " stronging chlorik alterial, day-tyli an frictures 81.80-8216 pinkish posite ? good cpy, argentite ?										
.80	83.80	CRYSTAL TUFF dark gigg prease, marrive, the proved interite alt. ass pro 6 2 370		195								
3.80	86.60	VOLCANIC BRECCIA opperence like volcomic complomente breccicled sur commented by fine silico strongry chloritic set, locally massive prite,		97	83.80	85.40		GRISM	1.60	. 002		.0
		comented by fine silico strongly chloritic set, locally missive prite			85.40	86.60		6226 M	1.20	.002		
										l		
5 60	87.65	QUARIZ BRECCIA volcanic programments commented by grey-brown it silcon		98	86.60	87.65		6827M	1.05	. 302		o
		QUARIZ BRECCIA volcanic programments commented by grey brown it silica. flood (7085.02), detorte potches, while clay or fractiones, diss and										
		valets of pyrite.										
			<u> </u>		1]			<u> </u>		
7.65	99.88	AUGITE ANDESITE Light green locally motiled porvesively durts		100				L		<u> </u>		
		AUGITE ANDESITE light green locally mottled, powersively white alt, ou K-spar alt, for ally hands of epidale and park,	ļ		I	L	ļ	ļ		L		
		U				 				<u> </u>		_
98	101.04	VOLCANIC BRECCIA sheared and buccusjed indente with	 	199	19.68	101.04		6828M	1.16	2.021		
		some silica diss and patches of ppr. te ~ 39, and cpy					ļ	 		┣━━		
		• • •						ļ				
91,04	108.81	AUGILE ANDESITE light to de grien, massive, fine chloritic		97	101.40	101,70		<u>681917</u>	0.30	C.001		
	<u> </u>	matrix, and large patches of chlorite and epidale , more part with		-{	}_	 	ļ	┫────	 	↓ _		
•		AUGITE ANDESITE light to de grien, massive, fine chloritic matrix, acc barge polices of chlorite and epidale, upper port with gtz veining, disc and facture filling pick, that pycholite.			<u> </u>			· 	ļ	┟───		
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		E.O. H			<u> </u>					<u> </u>		
			 			<u> </u>	<u> </u>	<u> </u>		┣━━		
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Hole No: G 94 DDH OZ Page: 3 of 3

Drilling Company:

Logged By: L.D. Date: Oct 06 1794

F. Mai	rshall	th Consulti	ing Inc	- G94 DDH 03	C	rill Hole Record										
				tion	Div/Dist	· · · · · · · · · · · · · · · · · · ·	Claim .					- Len	ath	117.9	5	
Start .	out 0	<u>s 1994</u>	End	at 07 1994	Core Size				180°			Elec				
% Reco	w	_	Dip	- 90°	Dip Test								tical			
					Objective											
	inval					-	Re	avery	D	pth	Sample	Sample	Longith	A4.	A9	Au
Prope	Te			Descript	<u>ion</u>		hen	*	frant	Te				er t		3/1
0.00	4.87	CASING			······································				<u>+</u>							
4.87	7.49	ANDESITE	FR	AGMENTAL day	k green-bisunish 6	adly beaution		69	<u> </u>							
		- lamonite sta	in an	fractures, chloritic	metrix, locali patines parite	of Spidale and										
		chhirle, o	hss. on	a precure filling	ppr.le.	· · · · ·										
7.49	8.44	QUARTZ U	EIN	light to dark get	* massic itz fragmen	t in brecheted		88	7.49	8.44		6830M				. 10
		und day a	etued	ustionic for !!	x macsile itz fragmen zone, pyrte < 1%					_			<u> </u>			
844	30.97	ANDESITE	Lieht	to alark Green bacal	La promiste massive	hue enned.	-	95						ł		
		strongly che	nhc o	stered and weathy sin	ly brownish massive died , be sty hogmes on , diss. and fractione fill	+2l and tuffaces	4d				<u> </u>					
		patities of e	epian	te onal chlarte comme	w. diss. and fracture fill	ing ppti ~ 2 %			- 							
32.17	37 70	CRYSTAL T	UFF	light picen motile	d, very fire errach.	beally etz		94								
		bands of	40-00	TCA, prechare Rill	d, very fine yrance.	hed	_	ļ								
					• • •		+	10	40.66	4236		6831M		}	┝──┾	+07
	14.00	day-ser - te	on th	+ fractures strongly	Gibi fick some g12 A.	pince +s, locally			44.00	45.20		6832 m				2.07
		K. Spar , dis	<u>5, 34</u>	Kaschere filling p	and and brecente and fiel some gtz fo prit 2-3%	0			45.00	46.45		<u>6833 M</u>			┣───┣	.07
		QUART2 U	IGIA	I in stionaly sheare	a estiente daniseri	chi stercal		94	48.06	50,00		6834M	···			.14
		voluznic	212	Proprian 16 diss and	A freche (all Pap p	pik- throughout										
0.00	či in		•	· _ · · ·	mottled fine pro			97							┝───┾	
30.00	• • • • •	sleep ma	Juies	90-92" ICA Filled	Hit's pinh resiste											
		, r		· · · · ·	,,			100		ļ						
6410	65.60	CRYSTAL TO	FE	dark one moning	his chlorite in the	Metrix .		100	+		<u> </u>		<u> </u>			
65.60	78.92	AUGITE AN	DES	ITE light to d	ask picon, mattled	locally patines		105	1							
		of chidate.	المعللي	te, diss. pyrite ~	3 %	<u> </u>		L	<u> </u>	L	L	L	1	I		أكريك

Drilling Company:

Logged By: L.D. Date: Oct 7,1794

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Hole No: 6-94 DDH のふ Page: 1 of 2

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From				wery .	Занфя	Interval	Sample	Sample	i •	A#	Ag	An
	То	Description	Run		From	Te	Recovery	Number	Length	02/1		176
				L		<u> </u>	ļ					
78.92	7 <i>9. 11</i>	QUARIZ VEIN dork - pintish marcine sharp upper and longer contact, dass prote and opp.	ļ	100	18.92	71.11		683SM	0.19	.004		
		longe conts. + diss prite and opy.		ļ	· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·	ļ	<u> </u>	
				<u> </u>								
<u>79.11</u>	<u>86 25</u>	AUGITE ANDESITE dark preen shouply delistic, manie, builty programmental, Heakly silvified, popule : 240	ļ	99	_	L	 	<u> </u>				
		busly prograntal, nearly silvified, pp. 12. 20%	ļ	l	- -	ļ	·	<u> </u>	 			
		· ·		17_		ļ		<u> </u>		L		
56.25	87 48	VOLCANIC BRECCIA really sheared and bicristed molesite. some ptr frooding. pyrit - 1-2%		ļ		 	 	ļ	↓		<u> </u>	
		some ste flooding. prite - 1-2%	 	ļ	<u> </u>	ļ	·	ļ				<u> </u>
			<u> </u>	100		ļ						
87.48	<u>/04.85</u>	AUGITE ANDESITE dance green massive, fine to medium		[ļ				
		AUGITE ANDESITE dance green massive, fine to medium printed, frech Looking, bushy K-coas alleration, diss parite ~ 2-3%		<u> </u>				 			I	
		pyrit ~ 2-3%			<u>.</u>	<u> </u>	+	 i	ł			
					┨────	∔	<u> </u>					
1048	<u>17.95</u>	AUGITE ANDESITE light preas, extremin chlorile opidate ultered bends and patches of delarites, mottled booking silver bonds, pyrite ~ 240.	┣───	18		· ·	 					
		ultered bends and patches of delarile, mottled builty		<u> </u>								
		SINCe Bonds, pyrile, ~ 2 %.					<u> </u>			-		
		E A II		}		<u> </u>	}			}		
		E.O.H						<u> </u>	·			
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lient:	<u> </u>	Logged By: 2.D]	1	<u> </u>	Hele No	■ <i>G q</i> 4	1	2	<u> </u>	L	I
rilling C						Page	-	ט חייט ד	5.			

Date: Oct 7 1994

	lighth Consulti	-				Drili Hole Record	NC	94 DD 1	01)			
Property	24 1934	Locat	Sen 25 174		Div/Dist	NQ	Ciaim . Bearing		1200		·····		- Length <u>58.82</u>						
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	30 N 1950E				Objective							- ver	ucai						
Interval				Description			Re	overy	1	pth	Sample	Sampin	Langes		Ag	AA			
0.00 2.4	3 CASING							•	Frem	Te	*	<u> </u>		01/+			9/+		
		da ri h	the green for monitic stain	e grained	(+++++2) 1-1 5. ox dut - +-	All part boain horin		69				-							
	netwick of nor	CALL	ale vene in th	Lover part	·			100											
1 1	1 .					ni k spor off	-												
			v			her port westing		89											
						note & made 41 g	-												
	Since (Sil	ia pe	aboved) diss.	pp/ (e ~ 5 7~,	IMARIC - epilal			86	22.23	23.17		675) M	094	<					
23.17 28.9	3 ANDESITE matrix disc since find	TUF.	F date pro	m-prey mo ca floodin	f in the love	e prot, strongly		94											
28.53 30.1	6 QUARTZ V Geoling free	EIN	heht gren ts of volushi	upper out	Lower contar	biecciated		96	2853	30,09		6752M 6753M	0.56	. 002 . 003		· · ·			
30.96 31.0	7 FANLT Z		- gouge	ne practure	Locally price	A OF THE HE		95	20.09	.10.90		6754M	0.61	<u> </u>		-			
31.07 40.9	SANDESIT	E kc.	dank gran-y	es extrent	f deag sin	ale stlend (soft)		82											

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Client:

Drilling Company:

Logged By: 4 D Date: 5-p 2 - 1:

Hole No: NC 94 0011 01 Page: 1みえ

Hole	Record
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Depth		Description	Recov	ery	Depth		tample			~	A .	
inne -	70		ikan -	-	Frain	To	*	Rembe		~ ∝2/7		<u></u> 1
		amphibole phenos and chlorite patches		+	<u> </u>							
0.53	44.19	ANDESITE dark y, con strongly site ribit buildy ilson i ppr te on the fractures as to numerous obtained patches.		64	4145	422.4		6786 M		<.001		
.19	44.80 • H•	QUARTZ VEIN dark greg given core maaly broken (rille), volcan a fregments, diss and fracture filling pyr 12-336,	<u>.</u>	38	44.19	4 <u>4.80</u>		6755 <i>1</i> 1	0.61	(.ool		
		•		75								
		CLAY ZONE dark yrey day-gauge prob of andesine orgin, some seriate and disc prote 1-3-26, some very material (gli)			50.29	<u> </u>		67781	2 (1)	,002		.0
ъ	54.53	QUARTZ BRECCIA gier volcanic fragments concerted by withe pre		92	52,70	53.34		6756 M	0.64	.003		. 1
		QUARTZ BRECCIA gies volcanic fragments amonton by withe pre verdeds und gray citics flood (8090 5:02), strangl- Archard with prite und sulphide 2 infill, 53.34-53.65 gouge zone		<u> </u>		53.65 5453		6757M 6758M				
				97	 							
		ANDESITE TUFF light given fine grained strongly sill died, strongly propulitic cult (epidate chlaric on for clinic), pourou ph-carton vermets at 30-60 TCA diss and facture filling parts 1-3% landly gypsum-fluxite? patches and being.	<u>te</u>									
R	58.82	FAULT ZONE youpe			+							
		EOH		_					· .			
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Hole No: UC94 DDH Of

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Page: 2 +2

Drilling Company:

Property Int Exception DNDist Claim Longin B3.2 start Longin End Sep 26.1974 Core size NQ Bearing Elevation Elevation start Dip -70° Objective Horizontal Vertical			th Consulting				Div/Dist	Drill Hole Record)	
N Recov Dip -70° Dip Test Hortcontal Vertical Coords 1850 M 1950 E Description Internet	Proper	لناط ۱۷ مصا	25 1994	End	50. 26. 1994			NQ							-				
Coords 1630 M 1930 E Description Descriptin Descri		•			•													••••	<u></u>
Note: 1000DescriptionDescriptionDescriptionImageNo <t< th=""><th></th><th></th><th></th><th>-</th><th>······································</th><th></th><th>•</th><th></th><th>Horizon</th><th>tal</th><th>· · · · ·</th><th></th><th></th><th> Ver</th><th>tical _</th><th></th><th></th><th></th><th></th></t<>				-	······································		•		Horizon	tal	· · · · ·			Ver	tical _				
The second state Description The second state The second state The second state The second state 3.04 CASING CASING The second state The second	Coords	: <u>16</u>	30N 1950E	<u> </u>			Objective												
Image: An of the second sec					De	scription	- .		Re	overy			Sample	Sample	Longth		<u>M</u>		
304 GST ANDESITE dark green tuff strantic stratic and managements 73 staining on fractives, weak calcie sching st ~ 45° TCA dist py ~ 5% 75% 75% 75% 75% 75% 75% 75% 75% 75%			CASING								Press	Te	<u> </u>		<u> </u>	=1/7			977
695 762 TRACHTTE DYKE grazmik mothed stringts situified, price feldiper 95 phenar, patcher and Public filling pyrtel 95 742 19.81 ANDESTTE FL'I'S I'E'N' A' dark green fine grained, beaking 90 444 or pink cakie view at ''Y'''''''''''''''''''''''''''''''''	0.00	2.01	0/0///0					· · · · · · · · · · · · · · · · · · ·			1								-
695 762 TRACHTTE DYKE grazmik mothed stringts situified, price feldiper 95 phenar, patcher and Public filling pyrtel 95 742 19.81 ANDESTTE FL'I'S I'E'N' A' dark green fine grained, beaking 90 444 or pink cakie view at ''Y'''''''''''''''''''''''''''''''''	3.04	695	ANDESITE		darli grean the	f stions	the broken i	mmm te cid manganes	e	73									
695 762 TRACHTTE DYKE grazmik mothed stringts situified, price feldiper 95 phenar, patcher and Public filling pyrtel 95 742 19.81 ANDESTTE FL'I'S I'E'N' A' dark green fine grained, beaking 90 444 or pink cakie view at ''Y'''''''''''''''''''''''''''''''''			steening on	Frac	turs , neak c	dete ve	Hing at ~45	"TLA diss py ~ 5%		1	ļ	 				[]			\square
phenes, patient and Prichase filling pyrile 742 19.81 ANDESITE TA'IL' PETITA! dark green fine ground, bealty 40 142 19.81 ANDESITE TA'IL' PETITA! dark green fine ground, bealty 40 19.81 28.10 AUGITE ANDESITE dark green motted strong! estimate strong! 94 19.81 28.10 AUGITE ANDESITE dark green motted strong! estimate strong! 94 19.81 28.10 AUGITE ANDESITE dark green motted strong! estimate strong! 94 19.81 28.10 AUGITE ANDESITE dark green motted strong! 100 19.81 28.10 AUGITE MEECLIA 100 strong in the file 19.81 28.10 AUGITE MEECLIA 100 strong in the file 19.81 28.10 AUGITE MEECLIA 100 strong in the file 19.81 28.10 Sum file 100 strong in the file 19.81 28.10 AUGITE MEECLIA 100 strong in the file 19.81 28.10 Auge in the file 100 19.81 28.10 Sum file 100 strong in the file 19.81 19.81 19.81 100 strong in the file 100<			<u> </u>				U			100									
742 19.81 ANDESTTE TATISTICATAL dark green, fine grained, bealin, 40 40 19.81 HAR or pink calle view start 45° TEA, dass parter 3300 40 40 19.81 28.10 AUGITE AMDESTTE dark green mothed strong: cikiched, fine grained 94 40 19.81 28.10 AUGITE AMDESTTE dark green mothed strong: cikiched, fine grained 94 40 19.81 28.10 AUGITE AMDESTTE dark green mothed strong: cikiched sceling with pic 94 40 19.81 28.10 AUGITE AMDESTTE dark green mothed strong: cikiched sceling with pic 94 40 19.81 28.10 AUGITE AMDESTTE dark green mothed strong: cikiched sceling with pic 94 40 19.81 28.10 AUGITE AMDESTTE dark green mothed strong: cikiched sceling with pic 94 40 28.10 Sugardia school at a star scole at a strong of strong with scole at a strong of strong of strong of strong at a strong of strong of strong of strong of strong at a strong of	0.71	7.62	nhenas has	<u>vync</u> Ichec	And Buby I	tions me	and significa	, prince personal per		+ - 72-	<u>{</u> −−−	t				┢┈─┤			\vdash
Hole or pink celete veine at - 45° TEA, disc plott ~ 3% 19.81 28.10 AUGITE ANDESITE dark yreen motted strong: chickfred, print yn strol 94 19.81 28.10 AUGITE ANDESITE dark yreen motted strong: chickfred, print yn strong 94 Bild St. nyrk throughout a 3% 200 - 2140 strong: plathed strong Bild St. nyrk throughout a 3% 200 - 2140 strong: plathed strong Bild St. chlorite versets in teA 92 Bild St. chlorite versets in teA 92 St.00 St.00 St.00 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>V • V</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						V • V						1							
178) 28.10 AUGITE ANDESITE dark green motted sternet cikiefed, put grantel 94 dis. nut throughout 32 / 2070-2140 structure thete section with the equidate other to worker to the former of the section with the equidate other to worker to the former of the section with the some very forgements, white bedale year, built structure to the section of the section some very forgements, white bedale year, built structure to the section of the section some very forgements, white bedale year, built structure to the section some very forgements, white bedale year, built structure to the section some very forgements, white bedale year, built structure to the section some very forgements, white bedale year, built structure to the section some very forgements, white bedale year, built structure to the section some very forgements, white bedale year, built structure to the section some very forgements, white bedale year, built structure to the section some very forgements, white bedale year, built structure to the section some very forgements, white bedale year, built structure to the section some very forgements, white he date year, built structure to the section some of the provided and delay infine to the provided and delay infine some of the provided and delay infine some of the provided and delay infine to the provided and delay infine with worker for growed on the structure for the section of 3% throughout second and charter rend growed on the structure for the second of the se	7.62	19.81	ANDESITE	FKI	SHEN AL	dark gr	een, fine yr	since beally		40									
dist, ny le throughout a 32 20 a -2140 struct affectured section with ope onidele - chaorie venteles in TCA. 2810 3450 QUARTZ BRECCIA cilica flooded and brecci tel internit in 192 2025 2130 6251M 1.05 -001 Some vein formerts, while bedate yes, builty structly chrystericite 31.40 3200 6250M 1.05 -001 2810 3450 QUARTZ DRECCIA cilica flooded and brecci tel internit in 192 2025 2130 6251M 1.05 -001 Some vein formerts, while bedate yes, builty structly chrystericite 31.40 3200 6260M 2.00 Cool 2800 3400 6260M 2.00 Cool 3450 3400 3400 6250 001 3450 3400 3500 QUARTZ VEIN white hight give myner could struct to delivere to delivere 2 Tref py, struct for generation of the track with of the graned with we to 150 million 100 001 35.80 50.10 AUGITE ANDESITE dark green matrix for the graned with the to 39 95 400 AUGITE ANDESITE dark green matrix for the graned with firmed 400 AUGITE ANDESITE dark green matrix for the total with firmed 400 AUGITE ANDESITE dark green matrix for the total with firmed 400 AUGITE TUFF dark green for the total with firmed 400 AUGITE TUFF dark green for the total with total with firmed 50.10 6738 ANDESITE TUFF dark green find struct to be showed to 390 throughout to 150 for the total with the total total total total firmed 50.10 6738 ANDESITE TUFF dark green find struct to be showed total			Hhnte or pink	<u>cal</u>	te veins of	4: + 24	4 diss pyri	<u>i ~ 3% N</u>			I	I	·						
dist, ny le throughout a 32 20 a -2140 struct affectured section with ope onidele - chaorie venteles in TCA. 2810 3450 QUARTZ BRECCIA cilica flooded and brecci tel internit in 192 2025 2130 6251M 1.05 -001 Some vein formerts, while bedate yes, builty structly chrystericite 31.40 3200 6250M 1.05 -001 2810 3450 QUARTZ DRECCIA cilica flooded and brecci tel internit in 192 2025 2130 6251M 1.05 -001 Some vein formerts, while bedate yes, builty structly chrystericite 31.40 3200 6260M 2.00 Cool 2800 3400 6260M 2.00 Cool 3450 3400 3400 6250 001 3450 3400 3500 QUARTZ VEIN white hight give myner could struct to delivere to delivere 2 Tref py, struct for generation of the track with of the graned with we to 150 million 100 001 35.80 50.10 AUGITE ANDESITE dark green matrix for the graned with the to 39 95 400 AUGITE ANDESITE dark green matrix for the graned with firmed 400 AUGITE ANDESITE dark green matrix for the total with firmed 400 AUGITE ANDESITE dark green matrix for the total with firmed 400 AUGITE TUFF dark green for the total with firmed 400 AUGITE TUFF dark green for the total with total with firmed 50.10 6738 ANDESITE TUFF dark green find struct to be showed to 390 throughout to 150 for the total with the total total total total firmed 50.10 6738 ANDESITE TUFF dark green find struct to be showed total	19.91	2810	AUGITE AN	VF(1)	TF dark sie	a matted	stand al	iched have my ach	,	94	 	+							
2810 34.50 QUARTZ BREECCIA cilica flooded and breece ted volcanic intin 5000 vein forements, while branch area, builty straff dry serieitif 32.00 6760M 2.00 (000) 2800 3400 6760M 2.00 (000) 2800 3400 6760M 2.00 (000) 3850 2470 77 VEIN white hight given where control of share lower yender weder with 100 (000) 3850 2470 77 VEIN white hight given where control of share lower yender weder with 100 (000) 3850 20 Milling and class normal with the product of the product with the total of the product of the produ	<u>, 1.91</u>	2.0.10	diss, norte 1	hisua	hout ~ 3% 207	a-2140 si	trivery History	of section with PIL		+-'7-	f					<u>† </u>			
2810 34.50 QUARTZ BREECCIA cilica flooded and breece ted volcanic intin 5000 vein forements, while branch area, builty straff dry serieitif 32.00 6760M 2.00 (000) 2800 3400 6760M 2.00 (000) 2800 3400 6760M 2.00 (000) 3850 2470 77 VEIN white hight given where control of share lower yender weder with 100 (000) 3850 2470 77 VEIN white hight given where control of share lower yender weder with 100 (000) 3850 20 Milling and class normal with the product of the product with the total of the product of the produ			epidele - che	N. E	ventets ILTCA.		7(1)												
Some vein for provide to provide to dark great, bealt, strafty charactericite 31.40 32.00 6760M 2.00 2.00 Strad, section (Sift - mindy), 2.37 mg 32.37 mg 32.00 6760M 2.00 2.00 34.50 24.00 5.140 6760M 2.00 2.00 6760M 2.00 2.00 34.50 24.70 FAUST ZONE gan ge 100 100 100 100 34.40 35.80 QUALTZ, VEIN white hight group impression to the share bounds of the share for the s										+	122.00			()(1)	1.000				\vdash
34 20 34 20 TRUCT ZONE young 34 20 35 80 QUAL'TZ VEIN white light group unner courts t sharp lower yr idult with the py, strangle fractured with deldy inferture 100 34 20 35 80 GUAL'TZ VEIN white light group unner courts t sharp lower yr idult with 100 400 400 400 400 400 400 400 400 400	28.10	34.50	CUMKI C	DRC	CCIPT CILICa	Mooden_	and brech	tel bleand with		92									┝━──┨
34 to 34 to FAULT ZONE gonge 34 to 35 80 QUALTZ VEIN white hight given imperiants to sharp lower yield to 12 (89 34 70 35 80 6763M 110 001 tr of py, strong to Bark green interine find in the main of the interine of the			some vern	$\frac{\mathbf{r}_{0} + 1}{2}$	(ill - mudy ")	2-370	hed , rown	strange and reaction		+									
3470 35.80 QUALTZ VEIN white hight grow apper contact sharp lower ynudal work 89 3470 3580 6763M 1.10 .001 traf py, strongl. Practiced with deldy infile. 35.80 50.10 AUGITE ANDESITE dark groen massive, fine growed with up to 95 ymm admite breat hike "polyboritic leve mailing strongly bits film of the strongly of the strongly of the strongly bits film of the strongly bits film of the strongly of the strongly of the strongly bits film of the strongly bits film of the strongly of the stron			1			10									_	-			
3470 35.80 QUALTZ VEIN white hight grow apper contact sharp lower ynudal work 89 3470 3580 6763M 1.10 .001 traf py, strongl. Practiced with deldy infile. 35.80 50.10 AUGITE ANDESITE dark groen massive, fine growed with up to 95 ymm admite breat hike "polyboritic leve mailing strongly bits film of the strongly of the strongly of the strongly bits film of the strongly bits film of the strongly of the strongly of the strongly bits film of the strongly bits film of the strongly of the stron	3450	3470	FAULT ZON	Ē	gange					100									
35,80 50.10 AUGITE ANDESITE dark green massive, fine provided with up to 95 4mm acutic breath the performance becompating strangly site field					v v			10 1 11		10	24.20	76.0		61/74	410			<u> </u>	┢
35,80 50.10 AUGITE ANDESITE dark green massive, fine provided with up to 95 4mm acutic breath the performance becompating strangly site field	29.40	25.00	trak by	+1240	N which uppt	A dame	CONTAT SAA	A R. COMER A. Edulins		+ .07	157 10	<u>20 80</u>		0765/7	1.10	,		·	
Hith upidale and chlarite rich ground wir, part up to 23% throughout eccasionally gtz and calcite narrow weining. 50.10 6738 ANDESITE TUFF dark green, fine grained, bacally brochering									_ _										
Hith upidale and chlarite rich ground wir, part up to 23% throughout eccasionally gtz and calcite narrow weining. 50.10 6738 ANDESITE TUFF dark green, fine grained, bacally brochering	35,90	50.10	AUGITE AN	IDES	ITE dark y	een ina	wire fine in	incol still in to		95									
50.10 67.38 ANDESITE TUFF dark green, line grained, beally because		\	4mm aguite	<u>_ h</u>	cill like " porph	sertic 6 Le	ex mailly s	Logily sill frid		+	 	 			ļ. <i>'</i>	I			$ \longrightarrow $
50.10 67.38 ANDESITE TUFF dark green, line grained, beally because		<u> </u>	1 with upidnly	_ umd	chlassle rich	ground in	ppr 4	n to ~ 3% this phone t	·	+	<u> </u>	ł				 			┢───┤
50.10 67.38 ANDESITE TUFF dark green, fine grained, burley horning the solution of the state of the solution o		<u> </u>	eccasional	ት ይ	12 and caller	AMP OF UCI	<u>un de la come d</u>			╉┈╌╴	<u>+</u>	<u> </u>				1			
sincified throughout, accasionally writer in mid with day sociale bet	50./0	67.38	ANDESITE	$=\mathcal{I}$	UFF dark	gieen , l	line grained	bull formen	· .										
			silveified +	21019	hout , occasion	Ily weaks	ly sherid un	h day schill bet		I									

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Client:

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Drilling Company:

Logged By: L+D Dame: Sep 27-1774

Hole No: UC 94 DDH 02 Page: 1.12

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Depth	1		Recov	erv.	Depth							· ·
have	To	Description	Run	N	From	Те	Sompte %	Vienepte Vienebe	Longth	~~ ~2/+		77
		normal coll and disc win To ~ 1-3% will then heate and at it allowing										
		narrow sections, diss pronte ~ 1-3%, weak to modurate epidete alloration, weak combonate verning in the upper part										
2 2 9	(420			00	67.28	1020		6764M	110	. 002	<u> </u>	- 07
1-30	61.50	WITH mum gtz vains throughout, upper and lover contest preditional,		80	68.38			6765M	D.92.	002		· 0
		puber of prote										
9.30	71.66	QUARTZ VEIN mains, sugar white locally one strug have		99	69 30	10.30		6766M	1.00	.003		. 10
		QUARTZ VEIN masive, surgary white locally greatering have Alcos and fine grained prote ~ 3%, lower 1 and you did and.			70.30			6767M		·002		. 0
				95							┟───┼	
	11.00	ANDESITE TUFF dank area-picy mottled, fine yourid, pyrite rich (~No) bicceloted section in the upper part, moderate site field		13	<u> </u>							
				90	74.05	7467		6 76 8 m	0.62	. 000		. 14
		QUARTZ VEIN Silve flooded light pircy kine water & BO-90% Silve have like fractures with fine sulphial (marthy py)~3-5%			-						┝───╄	<u> </u>
467	7752	QUARTZ BRECCIA light to dale oncy valiant subanyular to		93	7467	75.67		6769N	100	.002		`ں.
		QUARTZ BRECLIA light to diale pice valiant subanyalist to subrounded in shope fragments commented by silica filsod, win mater. 24, buer part contanate verus, pades and fischue filling py.	_	<u> </u>	7567			6770 <i>M</i>	· · · · ·	·007.	┟───╁	୍.୦ጓ
					16.67	17.52		6771M	0.85	.002	├	
7.52	83.21	ANDESITE TUFF light green built dicker fine proincil		95								
		chlorific matrix, beally epidole as Alebs or in the failing laye			┨────	·					┝┈╂	
		ANDESITE TUFF Light green ball dagher fine proinc. (chlar. he matrix, peakly epidete as Albes or fire time field in laye Heles of parite on products, hair like public vine at sometica, gla-contained veins mostly 40-60° TCA increasing diver the hole			1							
					<u> </u>				_		· · ·	
		E. 0 H									┟──╊╸	

Hole No: UC94DOH02 Page: 2of2

Drilling Company:

Logged By: () Date: 5/0 27 1944



		th Consulting Inc.	Drill Hole Record	WC 94	DDH C	13												
		nappelle_ Location	Div/Dist	Claim _					Length67.05									
Start .	Sep	26,1994 End Sep 27 1994	Core Size NQ	Bearing						- ration								
% Reco	w	Dip - 60°	Dip Test	Horizon						tical								
Coords	. 10	30N 1950E	Objective						- va									
			· · ·	Bec	OVERV		pth		1				<u> </u>					
frem.	erval Te	Description		Aut I	•	Res	10	Sample %	Sample	Langth	Au 02/t			,71				
0.00	365	CASING				ļ												
3.65	640	ANDESITE dark over body had	con partly silicitient fine		75						<u>.</u>	╞──┼	+					
		ANDESITE dark green badly bish grained volumic, limente and many	aneric staining ofractives															
			•		85								<u> </u>					
		TRACHYTE DYKE Light prey-pinkish d dz. collite factures fillings, meak simfi	cation							<u> </u>								
					88	╂						╞╌──┟						
T,'C	12.94	ANDESITE FRHGMENTAL dark g K-sper phenos, chloritic matrix, diss	d fosting Billing Watter LAM placeso	- <u> </u>	08							<u> </u>						
		• •			00	<u> </u>												
13.54	42.8 5	AUGITE ANDESITE dark green matte beally chante epidet very lets	a, stern film silico fied , dise por le	·	95	<u> </u>					[+					
00.00	10.00																	
23.05	20,13	QUARTZ BRECCIA upht gog oc sheared - breceived fine volcamil, Sto	a material on top, shea floode	₹	94	23.05	27.05		6772M	1.55	2.001	┞──┟	ł					
		practured, diss and fracture filling	S. [2 ~ 3%															
2805	32 50		V		90	 						-						
		ANDESITE dark grey matted-silic becally strangly Arachured with chlorte m	Lin															
			•		85	<u> </u>					ļ	├ 						
		(soft), a per fast comes.		·	0 3	<u> </u>												
3422	2526	OUARTZ -CARBONATE VEIN UN			100	34.33	2571		6774M	A 4 2				.07				
21.35	J3 10	of epidate - chorite, phiss subjide - most	u by v 3-5%		100	34.95	<u>33 m</u> b		UTtyri	1.13								
2076	44 00	•	0.0			 												
122 10	77 48	AUGITE ANDESITE dark yren, most singfind with a firs shong day scritter	Seles & sections, peally and	2	96		·				<u> </u>	<u> </u>						
		colorte verning disc and fixture f	Ming pirt.								[
		colore verning discond pacture for	Ming-phite.		+	<u> </u>					<u>├</u> ───	╂						

Orilling Company:

Logged By: L D Dete: 28 Krp 1774

Hole No: NC 94 DDH 03 Page: 142

Depth			Bearing		Beat			1		T		····
Prem.	Te	Description	Recov	ery W	Depth From	Te	Annyin Yi	Deservite Menselee	Longth	A0 02/+	<u>^</u>	- Hu
44 98	52.30	ANDESITE TUFF dark grow, very five mound silius motted a few		89	1							
<u>.</u>		ANDESITE TUFF dark grow, very fine primed sition matted, a few usak shear zones, at 50.40 - 5000 nearly primeteral with gto-contrade veronge			1							
		-		98	1							
52 30	53.10	FAULT ZONE grage			1							
				1	1							
53.10	54.58	ANDESITE TUFF upper part weakly which is hover "mudy", to wand		95	53./0	53.64		6775M	0.54	.00 Z		
	[]	•		1	1							
54.58	rs 77	QUARTZ VEIN white to dark yies mission, intrude injusto		98	5458	55 71		67161	119	. 033		, , , , , , , , , , , , , , , , , , , ,
		FACTARES,		1								
									·	T		
5577	5790	QUARTZ BRECCIA light to dark prey upper part brecented out silisified fine volcomic, midlle-white guardz (vein material) barer some or upper, disc and fracture fulling pyrite through. I bally conformate in fractures.	-	95	55 77	57.90		67771	2.13	. 002		
		siligified fine valuanic midlle-white quartz (vein material) barrer										
		some or upper, disc and Busture Ruling prite through t			1							
		weathy carbonate in Fractures.										
57.90	67.05	ANDESITE TUFF light to medium uncen, the promote fight		88	I							
_		ANDESITE TUFF light to medium wicen, fine proince first balking", large putches of chlorite and Epidole, or. pink in chute veins 21 45-70" TEA, large blebs of parte on fractures.			I					[
		veins St 45-70 TCA, Large blebs of proto on Praitures.			I							
		E.O.H.										
										Ι		
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					I							_

Client:

Drilling Company:

Logged By: LD Date: Seep 29 1714

Hole No: NC 94 DDH 03

Page: 242

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	harpelle_ Location	Drill Hole Record	WC 94 Claim -							()	2.05		
	27 1994 End Sup 29 1994	Care Chan NQ							-		.03		
1	Dip 45°		Bearing Horizon						vation . Lical _				
Coords <u>16</u>	25 N, 1925 E	Objective											
Interval from 1 Te	Description		Rec	overy		pth	Sample	Sample	Langth	Au 02/+	<u>_Ag</u>		Hen.
	CASING	······································			Press	10				02/1	-		<i><u>g</u>ft</i>
3.35 7.50	ANDESITE TUFF, dark yiern ba rock, humanite stranon Roclares (oxida situified, diss parte ~ 2010, carbonale	fish zone), Heakly pervisivly.	/	67									
7.50 18.30	ANDESITE TUFF Light green mattle	d, moderatly day chlorite allowed	/	78								_	
	14.99 - 15.30 foult zone	icit in , de Herley Orecueted	•										
18.30 32.18	AUGITE ANDESITE light green stoom Locally calgitic zones, callite vouns at 60 or reiting, head gtz stockwall, diss or	1: Alorte-service altered - 900 TCA commun, Chidate palities fractione filling prote 9-2%		43									
32.18 37 59	ANDESITE TUFE davle green, fin westy smell silica flood, night pyote co epider on proferres.		ć	88									
	QUARTZ VEIN upper and lever port, 37,79-3794 light gres, massive (10040 gl		 # 	90	37.59 37.79 37.94	37 94		677PM 67æ M 6781M		2.001 . 302		=	
38.35 40.84	"CLAY"ZONE extremty day-scritte-ch	lasto altered where		9B	2714					<u> </u>		=	
40.84 54.25	AUGITE ANDESITE dark Accy, mottle coluite ucining at 450-900 TEA, becalling	d massile, strong pintush "frigmental", occ. apidet blebs		9 9								=	
5425 5464	VOLCANIC BRECCIA clast supported dismetter peric and motic volcomic frogment by p12-contenate vening. dis. pyrite ~2	- mostly unpilar up to 50m in 5 in "mondy" there to motors comonly %	(a [*]	68	<u>64.25</u>	54.64		67 <u>82</u> 4		.004			. 14
·			1							1			

Client:

Logged By: L.D. Date: Lip 2) 1:14

Drilling Company:

Hole No: Page:

Depth			Recov	ery	Pepth		t annata	-		Au	A	11.
Yem	To	Description	Ren	-	Fe	Te	*	Reader	Longth	AN C2/7		977
					<u> </u>							
464	57.70	ANDESITE TUFF dark new line ships increases to		81								
		strong by the bettom of the eation well devininged pine course wing										
		ANDESITE TUFF dark pren fine shifted in increases to strong by the bettom of the eation well devicinged pink collecte with i mostly at ~45° TCA weils 70°-90° TCA small breache zomer collember by collecte dose pyrts ~ 2-3%										
		by colonte dose prote ~ 2-3%		[· · · · · · · · · · · · · · · · · · ·			
				<u> </u>								
7.70	58.36	QUARTZ BRECCIA darle grez fine volcon's florded by silve a straight. first in carbon le infell beally straight school chlorite all more sechast		78	57.70	50.36		678:M		.002		. 0
		Archived with carponite infell, bealin stimit's scricle chlorite all minor sich st		1	[
					<u> </u>							
36	59.40	QUARTZ VEIN light to doile area man 12 80% pt2, diss nucle 19		79	58.36	59.40		6784 M		.004		.1.
		QUARTZ VEIN light to daile grey man 10 80% pt2, diss pyrte 1% conborate and sulphie 2 on fractiones								Γ		
				1	<u> </u>							
940	60.30	SIICA FLOODED VOLCANIC lipht greg precush stoppy epidole - chlorite fine whemic pervesily singled, disc on & pachine pilling		80	58,40	60.30		GPASM		.003		. 10
		chlaste fine where pervesily silliplicated dies and Rachive Dilling		1	1			·····				
		ppr [e		1								
				1	1					Γ		
0.30	67.05	ANDESITE TUFF light to doile preen, fine preined, minute, chlantic matrix, prolitions of epidate, readily biccurded 11th colorite "comput", phenoborate very of 43-33-TCH chiss and produce filling pyrte.		94	1							
		chlentic matrix policies of epidate, really biccureded with colorie		1								
		"coment" phendevente vernin at 43-33" TCH chiss and proclime										
		filling ponte.			<u> </u>					Γ		
		E.O.H										
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Drilling Company:

Date: 50029 1814

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Page: 2 et 2

SEARCHLIGHT CONSULTANTS INC.

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Drill	Hole	Record
HC 94	PDH O	5

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Prope	nty:	W. Choppelle Location: Division/District:			Claim:					Length:		74.06
Comn	enced	Sep 29 1994 Completed: 540 29. 1994 Core Size: 1	VQ		True Be	aring:		<u>0°</u>		Elevation:	 .	
Percei	t Reco	ery: Collar Dipc Dip Test:			Hor. Co	mp:				Vert. Com	p:	<u></u>
Colla	Coord	nates: <u>1625 N 1925 E</u> Objective:						<u></u>				
De	R)	Description	Reco	wery	Sample	Interval	Sample	Sample	Length	As	Ag	Ha
			Rua	5	Erem	To	Recovery	Number		07./+		<u>b/t</u>
0.00	3,35	CASING			ł		 	 	<u> </u>			ļ
3.35	5.90	ANDESITE TUFF badly broken care, drik green fine		65		 _		<u> </u>				
		grained strangly fractured valuance. Umante store any fridues dis. pyrte ~ 2%										
		produces ans: pyrice ~ 2.90			<u> </u>		<u> </u>	<u> </u>				╞──┼─┴┤
5.90	17.60	ANDESITE TUTT mostly light picey mottled ready to moderate scripte chlorite alt, losally norious shear zours 1440-1510 Silier flooded section, de opulate and figute		80								
		modente scricte chlorite alt, losally noriou shear zous	<u> </u>		 		 	 				
		1440-1510 Silies flooded section, de opidate and pigele		<u> </u>						<u>-</u> {}		
1760	28.95	AUGITE ANDESITE light over moderally site is budy		90								
		AUGITE ANDESITE Light prien moderating site of a locally strong chlorite-serieste altered, occ esterte verse, diss. pmte-220		_								$\left - \right $
28.95	40.50	AN DESITE TUFF dark greg-preen, fine groined, dur pute > 5%, 3650-4050 actionly Sinified section.		41				<u> </u>				·
		> 5%, 3650-4050 extremtly Libitice section.		┝───	<u> </u>		<u> </u>	 				
40.00	40 74	QUARIZ VEIN - BRECCIAZONE changly precided and	. <u>.</u>	25,	40.50	40.74		6787 M		.010		
		QUARIZVEIN -BRECCIAZONE changly biccuided und commented by silve volcomic volce source very material, epidate delate materix, laleles of pyrite - 3%				 	<u> </u>			+		┟ ┤
		and the maxing bulles of provide - 3 1=			<u> </u>		<u> </u>	 				

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Client

Drilling Company:

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Hole Not WC 94 DDH 05

Pages 142

Logged By: LD. Date: S.C. 30 1994

Depth	1	Desclation	Recov	ery	Depth		Jampia	Sumate	1	~	~	44
	Te	Description	Run	*	free	Te	*	-		n 02/f		<u></u> 3/ł
0.74	42.55	SUICH FLODDED and you make to product freeze 1.2		85	40 84	4255		67 8 8M		. 003		10
		SILICA FLUDED duck when make in particle brece 1 de and intremity permise shifted ,> 10th pyrte										
1 55	43.89	QUARIZ BRECCIA straphy breceded and siles do se volcarie		20	455	44 34	-	678914		· 00Z.		
		rock but only 20% recovery parte consent ~ 20%		<u> </u>								_
3,89	48.47	ANDESITE CLAYZONE extremily chlorikeser ie-clay alt volcanic (soit) this pyrte z20% in space port.		67								
					┣			 				
1.47	49.52	QUARIZ" VEIN dark green prog fine volconic flooded by silice, preches and fracture filling pyrte ~ 5-7%		95	48.47	49.52		67YUM		. 00 14		.14
1.12	52.27	ANDESITE strongly chlorite scriete in set volionic, occ chute vening, fiss prite in 2010		98				 				
		•										
17	<u>52 44</u>	QUARTZ VEIN white ptz proprients in brechet valconic, epidet blebs, patches of pyrite - 3%		95	52.27	<u>52.44</u>		6791 H		<u>دەن.</u>		<u> </u>
					<u> </u>							
<u>.44</u>	70.86	ANDESITE TUFF light to dak preu maine primed, trally	<u> </u>	89	╂-──-			 				
		ANDESITE TUFF light to dak preen marine produced, lixally augute ordente, shongly produced with calute uns at 45-30" TCA, epidale - Adante produces, discional frature Dillingo finite.		ļ	1							
				99	23.86	71.62		6792M		.002	<u> </u>	1.0
		QUART 2 BRECLIA - spice flooded bircented fine volisinic, light prees strong epidole chlorite octombire, disc and finding pyste chatementing			1							
62	74.21	QUARTZ VEIN hight to loke grey iduite in fractions, disc ponte < 1%		98	71.62	7221		679314		,002		- 0
				93	┼───					l. 		
<u> </u>	11.00	ANDESITE TUFF stringly chloritic some block packets of mulic, while pinking hadute verning, silisfied on top, packet, and dice pyrite the ~ 2-3%		1 <u>'</u>	1							-+

Client:

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Hole No: WC 94004 OF Page: 2, 4 2,

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Drilling Company:

Logged By: L.D Date: Sep 3: 1991

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SEARCHLIGHT CONSULTANTS INC.

Drill Hole Record WC 94 00# 06

Comm	t Rece	W.Chappelle Location: Division/District: Sep 30 1994 Completed: Sep 30, 1994 Core Size: rery: Collar Dig: -70 2 Dip Test: inates: 1925 E* Objective:	NQ		- Claim: - True B - Hor. C	+	, 	······································		Length: Elevation: Vert. Con		83.21
De	pik		Ret	britry	Sample	Interval	Sample	Sample	Length	Au	Ag	Au
From	To	Description	Ren	%	Fren	To	Recovery	Number		alt .		11
0.00	3.30	CASING		·								<u> </u>
				ļ								
3.30	6.00	ANDESITE TUFF dank green, bidly bisken and pictured,		67			<u> </u>					
┝	<u> </u>	ANDESITE TUFF dank green, bidly bisken and pictured, hmonite string on factures, moderatly silicities , diss proce ~2%			┨				 			
6.00	18 2 P	ANDESITE TUFF Welt selen mattled are chiever and		89	K 00	16.60	060	6794M		2.001		
		ANDESITE TUFF light yeller, mottled , have chlortic motor's , beselfy reakly sheared, diss pyrta 2:39, 15.00 - K63 silin floded section										
19.28	35.61	AUGITE ANDESITE upht onen chloridic millix result to		92	+	+	┼	<u>+</u>				
		moderatly situatied, forchare filling and colute visioning of 60.00 FCA,				[
35.6	44 50	ANDESITE TUFF buck granger motiled for trif with many		94								
		ANDESITE TUFF buck orgogen motical fine triff with manar section of Augite Ardente, less courte vising, sto sufficient						— —				
		· · · · · · · · · · · · · · · · · · ·			<u> </u>		 		<u> </u>			
44.50	50.58	AUGITE ANDESITE dan's green marrie chlante op dil silered		90		ļ	<u> </u>	<u> </u>	<u> </u>			<u> </u>
		year giz consonati unice, bcolly workly presented dissipple 32		ļ	_	ļ	┇	ļ	 			
		uesk gis consorte union, beally weakly president dissipple 3%. buck part shough only to day want all and provesive citing field.					├ +	<u> </u>				
58.58	5871	QUARTZ VEIN which contact sharps lovery in lational habits		197	5869	5879	0.21	6795 M		12:001		
		QUARTZ UEIN symper contact sharp lossed y, lational, light to dork massive gtz with weak contanate on Brachines, prite < 1%										
L												
Client		Leeved By. 2 D				Hole N	- 11/	94 DOH	06			

Drilling Company:

Logged By: L.P.

Hole Nex LIC 94 DDH 06

Date: Sep 30 1994

Page 1 of 2

SEARCH-ZIGHT CONSULTANTS INC.



Dept	:		Reco			Interval	Samole	T		1	···· ·	T	-
rees.	Te	Description	Run	5	Free	Te	* Recevery	Sample Number	Length	ozlt	A2		Au a h
				<u> </u>			Receivery			<u> 02/17-</u>	┝╼──╆		<u>¶7</u>
879	61.87	ANDESITE CLAYZONE extremity plante day secute dent		75									
		ANDESITE CLAY ZONE extremely plante day service desini volconic (mostly soft), diss pyrte ~ 3-490		1 <u></u>			1			[
- 1		· · · ·			1					I			
187	62.08	QUARTZ VEIN Al. 1 proj-procy strangly breacted, petcher of otherite - epichete commented by silve flood and coleite verning, to day.		99	61.87	62.08	0.21	6796 M		<.001			
		oblerite - epidate camented by silita flood and aslerite verning to day.					1						
	1				I								
2,08	70,16	ANDESITE TUFF dork green, mattled, fine prined, sprand, fractured with prite-colorle infill, strongly chloris altered		96									
		prectance with prote-colorle infill, strongly philoris altered											
		l l l l l l l l l l l l l l l l l l l			ļ								
0.16	<u>7075</u>	QUARTZ BRECCIA on the top and botton light your support massive very with pinkich and greenich stand on fractices 2-3% porte, middle ablantic ctompty purities and brecietal vallance commented in soluce.		95	7016	7075	0.59	6747 M		.004		-	
_		very with pinkich and greenish stein on Proctines 2-3% porte, midle chloritic			ļ							$ \rightarrow $	
_+		ctomply purific and precietal vallanic comented in silica.					 			 	\vdash		
-					<u> </u>	ļ				_			
75	80,70	ANDESITE TUFF mostly dork prease mossive pine preined unly nuncsour new discourted zones with calcite coment", inclusion of colore verifields at 45-90° TCA boally patches of pidate and chelor of charitie motion, disc pine ~2-3%		92,						[┝──┦	\rightarrow	
+		nuncion pin Bicco ted zones with calcula coment interim of	··· -			<u> </u>	 				┝───╁		
+		where vernets of 45-40 TCA boally potutes of pidol and chlor a				<u> </u>	<u> </u>				┝───┼	<u> </u>	
+		Marific Mellin, diss pine des 10							···		├	+	
20	8114	ALLAPTZ VEIN und lange contat due the distance		98	2070	0	011	6798M		2.001			
	<u>, 11</u>	with the water is handled and while in the large land		7 <u>«</u>	W FO	<u> 6/ 14</u>	0.14	1 10/10/1					
-+		QUARTZ VEIN upper and lover contact sharp, while ph (80%) with green valueric framents, bonded prez silico in the lower port, diss preste ~ 1%								<u> </u>	h		
					[· · · · ·			
14	88.08	ANDESITE TUFF HOMELY hickey core dask Dipan more in		76	<u> </u>		[+		
		ANDESITE TUFF stranging bisken core, dash grean, morrisk fine printed stronging childrific volcomic											-
		E.O H											
T													
T		· · · · · · · · · · · · · · · · · · ·											

Date: Sep 20.1974

Pager 2 of 2

SEARCHLIGHT CONSULTANTS INC.

Drill Hole	Record
WC 14004	

Percen	enced: it Reco	11			- Claim: - True Be - Hor. Co	-		800		Length: Elevation: Vert. Con	:	34.43
	pth 👘		Reco	wery	Sample	Interval	Sample	Sample	Longth	An	Az	An
From	T•	Description	Ran	%	From	Te	Recovery	Number		02/7		- 91t
0.00	3.65	CASING	<u> </u>	<u> </u>	<u> </u>	· ·		L	·		L	
				I	1				<u> </u>			
3.65	15.94	AUGITE ANDESITE oxidation zone strongly broken and		73		_	<u> </u>	L	ļ			
		AUGITE ANDESITE oxidation zone strongly broken and fractured cost, umonite and manganese burn in fractures.		ļ	<u> </u>	 -	i	<u> </u>	<u> </u>		ļ!	
				ļ	<u> </u>		ļ	L			L	
5 94	8.40	AUGITE ANDESITE light green, massive, medium to large (ymm)		80			.	L				
		AUGITE ANDESITE light green, massive, medium to large (ymm) augite pher. in fine chloritic matrix, some pyrte on fra huma - 2%		ļ			ļ			<u> </u>		
				L			<u> </u>	L				
8.40	14.45	ANDESITE TUFF dark green-Rey mottled to 9.60 strapty		91			ļ	L			L]	
		ANDESITE TUFF dark green- Bey mottled to 9.60 strangly day-senite Alarite altered, lugely edit in the matrix, dis poter 3%		ļ		L	L					
	<u>ا</u>	· · · · · · · · · · · · · · · · · · ·			<u> </u>	l		Į			<u> </u>	_
K4.45	15.40	ANDESITE TUFF - QUARTZ BRECLIA Z.WE strongly breached		93	14 45	15.40		6789M	0.95	4.001		
		volconic comented by white silice (<50%) where to one petches, facture		I	L	<u> </u>		L		·		
		filling colvite, pyrte ~ 5%		Į	ļ							
L	1						<u> </u>		·			
15.40	17.85	ANDESITE TIFF massive dork press, extremily chlorite difficil.		96			L				<u> </u>	
		•		ļ					•			
17.85	30.25	AUGITE ANDESITE Light press marrive which be violed and ptz		L			<u> </u>					
		veining on the top, opperance "puppinitic" texture, chloritic motorx		90			<u> </u>				'	L
	·	veining on the top, opperance "puppinitie" texture, chloritic motorx_ diss, and facture filling pyrite ~270										
						<u> </u>						

Client

Drilling Companys

Logged By: LD

Hole Nee WC 94 DDH 07

Date: Oct 2 1994

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1°=200: 1 of 2.

Depth			Recov	ery	Depth		*******	Barnata		Au	A4	4
· · ·	Te	Description	Run		Fran	Te		-	Langth	02/4		- Au 9/t
					i				,			¥
30.25	33.71	SHEAR - CLAY ZONE light to dork grey extremty day scripte esticed	ļ	65	30,25			6800M		. 302		07
		SHEAR - CLAY ZONE light to dork greg extremty day scripte callord and sheared valuance, some containste in the matrix, gtz Rogments in			<u>v</u>	32.71		6801M	171	. 302		.07
		1 mudy groundmas, 3080-3200 porvasive sin (in high 3200-3260-	 	· .	I							
		mudy section, 3263 - 3371 neally silicitis precipted music vilumic, diss.										
		mudy section, 3263 - 3371 neakly silicitie precided music vilianic, diss. pp. E. throughout - 3-5%, show at 45° TCA										
22.51	5526	ANDESITE THEE light & delle ment mattled making River a work	ļ	89								
2 11	33.73	there allow he is the locally all to allow the last of an include	<u> </u>	- 69	+	<u> </u>						_ _
	1	ANDESITE TUFF light to donk green mattled, massive, fine privand strong dilartic matrix, locally colorte filling the fautice, acc. needly Incided with pt epidoto Pilling, this and findure filling privac 3%.	l						· · ·			
		precision of the prior function of the providence of the state				t						
263	70.00	SILTSTONE dark ever mostly Alack there provide extremel perusside	1	47	60.14	6190		GROZM	176	2.001		
		SILTSTONE dark gray mostly black the provider extreme peruside situitical, diss and farture filling price 220, narrow upidate ward, upper and lover contact graduational.										
		and lover contect gradational.										
1000	% .40	ANDESITE TUFF dark pren massive, fire you ned , allowitic motion,		95	X.28	K .40		680314	1.12	6.002		
		epidate patches use colute vicining buck part shear zone with ghe combrante			1	İ						
		ANDESITE TUFF darle pren massive, fire you ned , when his making, opidate patches, use rolate using bues part shear zone with gtz-comboards commenting sheared volcomic, shear at 40-45-TE.A		ļ	ļ		ļ					
			1		.		<u> </u>	 				
640	77.50	QUARTZ VEIN white to hight prey marrive, bushy sugar, porte and	<u> </u>	93	16.40	77.50		6804M	1.10	6.001		
		QUARTZ VEIN white to hight prey marrive buildy sugar porte and doub grey file sulphide on the predeves						·				
				2.2	<u> </u>			·				
17. <u>5</u> 0	78.00	FAULT ZONE - Poupe	ļ	99					· .			
0.00	01. 1.7		——									
8.00	64.43	ANDESTIE TOFF upper part extremly chlor to altered, yestely shiared		45				<u> </u>				
		ANDESITE TUFF upper part extremly chorte actored, vestely cheared and breciched with morepular network of calle partice and vermantic bestly programmental in the lower part, diss. and for here filling pyrite.										
		prograntar in the work part, wiss and prive purine pir le.						<u> </u>				
		E.O.H				<u> </u>			<u> </u>			
					+					l	├── ╂─	

Client:

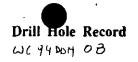
Drilling Company:

Logged By: LD Date: Oct 2 1994 Hole No: WL94 DDH 07

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Page: 2, 4 2

SEARCHLIGHT CONSULTANTS INC.



Comu Percer	t Reco	D. 4.02 18:21 0 0	N/D		- Claim: - True Ba _ Hor. Co	-	/B:	فر		Length: Elevation: Vert. Com		4.98 m
De	ps)h		Reco	wery	Sample	Interval	Sample	Sample	Length	A=	Ag	A~
From	To	Description	Ren	5	From	Te	Recovery	Number		02/1		9/t
0.00	3.04	CASING							<u> </u>			
3.04	7.31	AUGITE ANDESITE dark green, badly bisken out fortuch,		68			<u> </u>		 			
		limontic and manganese stain on Practices diss prite -2%.			<u> </u>		┨					
7.31	21.12	AUGITE ANDESITE light to dish pream mattled, maderally to shoughy chlorie alt, weakly breceived in the low part, situa 1040.		95		<u> </u>	<u> </u>	ļ		$ \downarrow $		
┣		strongly chlor te set, weakly breceiveled in the lower part, silves 10 40.								╡		
2112	2190	ANDESITE extremly chier to seriate do- acteur & (soft mudy).		88					<u> </u>			
21.93	27.93	HIRSITE ANDESITE dark sicen mattled mobily sheared moderal to builty strong obbrite-seriate-day alt	,	90			<u> </u>					
		to locally strong other to -scripte-day set		}		<u> </u>	┨	<u> </u>	<u> </u>	·		
27.93	1829	QUARTZ BRECCIA network of consistenting phy indistants comparing backy broken andonte, dis prite - 2-3%		46	27 93	28.29		6805 M	0.36	<.001		
		comenting body broken andorite, dirs prite = 2.3%					+					· .
28.29	2986	SILTSTONE Light given, very fine strongly sur fice scalined (almost like devit) westly should with some "min precise" zones.		100								
	<u> </u>	(olmost like devit) weakly showed with some "min brecin" zones.					<u> </u>					
2986	30.38	QUARIZ VEIN white to light prog, missing, almost 100% silis 2		18	29.86	31.38	_	6806 M	0.52	2.00/		
l	<u> </u>	to of subpide mostly parte of forchusis.		l	L	Hole N	i	QU'NN	L	IL		L

Drilling Company:

Date: Oct 3 1394

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Hole Nee NC 94 00H 08 Hage 10f 2.

		,										e Recor
Depth		Description	Recov	ery	Depth		Sample	Sample Rombo	Lungth	NU2/+	<u></u>	Au 9/1
Free C	Te		R in		From	Te				N2/+		-1311
0.38	<u>.36.0B</u>	ANDESITE TUFF hist's dark green-pre- mottled, three provinced, USFO Bom unde carbonate pl2 folled "mini precisizion" with sulpide with 5-7% at mostly 40-50° TCA. 34.29 - 34.60 sharry biccuires zone.		39	ļ	┨	-					
		3m mill carborote p/2 folled "min brecer 271" UNA supple with 5-1%		}	11.20		<u> </u>	6012.4			┝──┼──	
		at mostly 40-60 TCA. 59.29 - 34.60 shory; biccuires zone.		┨────	34.29	34.60		6807M	0.31	<.001		
				1		<u> </u>						_ <u>_</u>
6.08	37.18	VOLCANIC BRECCIA date pren islamic finprieits in lea 1		95	36.03	37.18		68•8M	1.10	ادو، ک	├	<u> </u>
		VOLCANIC BRECCIA date pren volcanic fragments in lise i pte-contracte very lets, potities of cpidate, dissand factors in diag prost.		_		 					├	
		~10%		ļ	.	· · · · ·						
		· · · · · · · · · · · · · · · · · · ·		L	 	I				 		
7.18	39.30	ANDESITE TUFF don't preen, fine proince, strongly porres, sily bilifical,	L	94	 	 		1				
		ANDESITE TUFF donk preey, fine proince, strongly porresively bilified, heally more gyprium and pla vint at 40-45. T.C.A		<u> </u>								
		• •		<u> </u>		ļ						
9 30	40.23	QUARTZ VEIN head to dore prey, manua, wish and fraction relieve		99	39.30	40.23		6807M	093	.007		
		prete - 2%,		ļ								
				ļ								
0.23	59.52	ANDESITE TUFF light to doile press massive processing upper port shoughy opicale - chlore stored while and verse of propote weakly discrimined (6000H), power shouger siliufied with students of placebounds versited on "mini" but with students of placebounds versited and "mini" but with students of placebounds versited and "mini" but with students		87	4076			GRID M		1002		· 07
		shoughy opical - chlarte stored , diss and verse of printe wealing discussed (6000H)		L	46,16			6811 M		. 002		
		puer shanger siliplical with structurate of H2-contants verifields and "mini" bracins ((RUA)),		L	52.42	53 00		6812M	058	1.002		.07
				L								
8.2	61.05	ANDESITE TUFF strongly chlorite scripte doy allered (sett)		90							L	
					L					I		
1.00	71.20	ANDESITE TUFF dork preen, builty mottled, the given & culul		<u> 14</u>						<u> </u>		
		matrix matches of chidate, drawbounde verifiets with locally nausur										
		ANDESITE TUFF dork procen, builty mottled, fine ground calula matrix patches of chidate, pt2-conference verifiets with boolly naise biccusted zenes, disc and produce find pyrte 2-3%				<u> </u>		1				
71.20	7162	QUARIZ BRECCIA Marite alked volconic comment by situa 1080 pp. 15		100	7120	71.62		6813.M	0.42	.0/3		- 41
162	7413	ANDECITE TUFF upper port strongth chlorit-day altoret, lower proceeded simil	ł	93								
74.13	74.52	QUARTZ VEIN cuppers light dx greg impact and lover could sharp at 45" TCA.		100	74.13	74.52		69YM	139	. 003		1.10
						[
452	7498	ANDESITE TUFF stringty when to dry all could provestic situitied on~ 5%		91								
		ANDESITE TUFF strongly chlorite chy all card provestic site first por 5%						-		inc al	DUH OB	
Clent		C.O.H Logged By: L.D.						•	101e MQ;	11 21	סי דיעע	

Drilling Company:

Date: 01 3 1974

Page: 2 of 2

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SEARCHLIGHT CONSULTANTS INC.



Comm	t Recov						/ê	300		Length: Elevation: Vert. Con		
De	Ab.		Reco		·	Interval	Sample	Sample	Length	Ao	Ag	Au
	То		Run	%	From	То	Recovery	Provincer	·	02/t	<u> </u>	<u>3/t</u>
0.00	4.87	CASING			<u> </u>	[·					·	
4 87	9.93	ANDESITE FRAGMENTAL dark giern - gigg-biningh, clost superied,		75		·	+					
		subangular to subranged up to Ean in dismeter vilesnic frequents in fine phloritic motive large pather of epidete and parite 4612, 823 strangly broken and limmite stain of fractures (ayidding zone), moder										
		fine phlasific motion large patcher of epidete and prite 4812 823										
		strapp broken and limmite stain or fractures (oridulin zone), moder	14	 	<u> </u>		L					
ļ		perversive schiefied	ľ	 	<u> </u>	L	L	ļ				
9.93	12 32	(RYSTA) TUFF owen Assaich strends silvilies and constitute		89	<u> </u>	ļ	<u> </u>			 		
		CRYSTAL TUFF grien bounish duripply situified and properties alund ; locally strong K-spar altoution, discond facture filling				<u> </u>	<u> </u>				t-	·
		pyrik > 5%			1		+			1		
					1	1				1		
1737	1846	AUGITE DACITE dark area extremly perusuic silivities built		90	<u> </u>		1					
		AUGITE DACITE dark grey, extremtly perussive situation builds Kapper overprint, disc and backne falling pyrite 25%										
					<u> </u>	ļ	ļ					
18.46	20.11	FAULT ZONE mostly gauge with beally small sheared and sinific	2	85	 	<u> </u>				ļ	<u>+</u> -	
		volcanic fragments.									_	
29,11	20 70	FAULT BRECCIA light area strongly sheared and hurrieled		90	20.11	20.70		6815M	0.59	6:001		
		FAULT BRECCIA light grey strongly shearan and knowled		- <u>, , , ,</u>	1	1 10.7	t			<u>, , , , , , , , , , , , , , , , , , , </u>		
		· · · · · · · · · · · · · · · · · · ·										

Client

Drilling Company

Logged By

Hole Nex G94DDH01 Page: 1 of 3

Date:

											Dr	le Record
Depth) 	Description	Recov	ery	Depth		Lampto	finngto	Longith	~	Au	Au
7	10		Ren	*	Frem	Те	*	-		oz/t.		<u>91t</u>
0.70	K3.97	CRYSTAL TUFF while grey ocen more like usb and fine schmat (tuffite) scripte-contrant matrix, wally pervasively subinfied, are K-yry altaration, diss. mil uide bands of pyrde on fractions at 50-60 TCA.		88			}					
		sonale - contrante matrix, matrix porvasively sharped, all Comparents and	┢╌━━		+		<u> </u>					
		Chiss me yide barres of pyral sy procents of 50-0312 A.		<u> </u>								
r.92	30.60	VOICANIC BRECCIA Andrete and Davite mandar for the base	h	92	1							
		VOLCANIC BRECCIA Andesite and Docte on pulse figure in the chloritic - sericitic materia, diss. purite through 1 ~ 345		1~	1				<u> </u>			
30.60	31.20	PORPHYRITIC DACITE dark over blackish fire to medium signed	·	100			<u> </u>					
		PORPHYRITIC DACITE dark groy-blacking fine to medium yound, white feldspar phonos in fine make matrix, fine grained plz-10% dia pr. 1%			1				<u> </u>			_
					1							
20	10.20	CRYSTAL TUFF light green pren live around marsive, him 37.49 6 34,40		105								
		CRYSTAL TUFF light green-freq , live grained massive, from 37.49 6 34,43 strong chy-scrifte altered and nearly cheared, where a factures.									·	
	(
11.20	44 00	AUGITE ANDESITE black angite phenox in fire hight prev (chlorine) matrix, marrie, pophyritic tex., prote on firstics ~ 1-270, upper contact at 60 cover at 30° TEA	L	98	<u> </u>							
		matrix, marrive, perphyritic tex, parte on Richnes ~ 1-270, upper contact	<u> </u>	_	<u> </u>							
		of 60 lower at 30° TCA		 	<u> </u>							
	1.11.		<u> </u>		ļ		<u> </u>					
19 00	4960	QVARTZ BRECCIA volcaric frogments converted by orcy silica, some epidete-chlorite blobs, parite ~ 3-5-90	<u> </u>	99	4400	44.60		<u>ьски</u>	0.60	. 002	_	
		epidole-chils. le blebs pprile ~ 3-5%		<u> </u>								_
4 4 0	172 25	AUCITE ANDESITE - alua to Al David A and		96	 							
1.80	>#-2.3	AUGITE ANDESITE as above, heally for smental and "muchy"		76	<u> </u>	·•			<u> </u>	· · _ · _ ·		
		SENTEN	<u> </u>	+								
51 25	080	SHEAR ZONE draugh shrand undrawing with bands of your silver		88	52 25	co Ro	<u> </u>	6817M	0.55	· 002		<u> </u>
		SHEAR ZONE chrongly showed value with bands of greg silica at 40-65. TCA, prik ~ 270.			1	30.00						
					1							
280	5585	CRYSTAL TUFF with weally Angite Andonite frequencity, ou chlorte in		93								
		me fractures diss pyrte - 2%									i i i i i i i i i i i i i i i i i i i	

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Date: Oct 5,1714

Hole No: G 94 DOH OI

Page: 2 of 3

Depth			Recove	Ŋ	Depth		tomate	-		Au	~	An
fram	. Te	Description	Run	*	from	Te		finnigete Minnigete	Longth	or/t		g 11
x ac	51.02	QUARIZ VEILLALAN PROVIDENT () HILLAND		93	54.85	56.99		cei8M	A 14	2.001		<u> </u>
	3• 1 <u>7</u>	QUARIZ VEITI dade grey-precision, strongly precision first provident of allority of allocation	1	10	+1.03	50.17						
		(minute in mr E ~ 3%)										
		· · · · · · · · · · · · · · · · · · ·		97								
597	65. <u>5</u> 3	CRYSTAL JUFF dark gieg - blackish, fine promode marine moderatly shinfed bushy medium promode this proto -1%-		· •···	ļ						<u> </u>	
		sinfex westly medium prairie, diss prote - 1%-			 			· · · · ·				
<u> </u>	4.5	AUGITE ANDERTE LAND I F & LONGA		95						 		
222	00,03	AUGITE ATINESITE Wilt preen massive upper confact of 40.11A	1	/~	<u>†</u> ,	 						
6.05	22.47	CRYSTAL TUFF as above with beally Apple Analy to seeling		93								
	a 1		+									
247	73.31	QUNRTZ BRECCIA grey-green volumic Apparts contented is white yte, extremity strong chlarte on the fixed wis some episities		_98	7247	73.31		6819M	0.84	2.001		
		line weit			† —							
		diss. parite				 				<u>†</u>		
3 31	78.33	AUGITE DACITE light to dork frey, marrive medium franch locally mottled, popphysic textue madently spice (, wire chlorite on finglines, while and fraction filling provide (2),		96								
		locally mottled, poppyitic texture moderative splicing C, source										
		chlarte on for tures, while and for this pulling insite - 24,			.							
		E. 0 H.			+							
			+		1 1		<u> </u>			<u> </u>	+	
		······································								<u> </u>		
								· ·				
		· · · · · · · · · · · · · · · · · · ·						 		 	├ ···-	

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Drilling Company:

SEARCHLIGHT CONSULTANTS INC.



Comu Perces	t Reco		UQ		Claim: True Ben Hor. Con	-		80°		Length: Elevation: Vert. Cos			
	pib		_	wery	Sample I		Sample %	Sample	Length	Au	Ag		
From	T.	Description	Rea		Frees	Te	Recovery			1	Ì	<u> </u>	<u> </u>
0.03	5.18	CASIN G		<u> </u>		_	+						
5.18	11.30	ANDESITE FRAGMENTAL dask green brown bidly biston and		65	1		<u>-</u>	<u> </u>					
		Rectured, limonite starn on frectures chlortiepidate polities,					1			1	-		
		Bratured, hornite stars on fractures, chlorte epidale polities, diss and fracture filling prok 2 3%											
				89									
11.30	16.44	CRYSTAL TUFF green-brunish stringth propylitic ultreal		<u>[</u>						L	L		ļ
<u> </u>		CRYSTAL TUFF green-brunish stringthe propositie allerese (mostly large petches of chlorite rpilate), situifical, diss parte		ļ	<u> </u>		<u> </u>		ļ		<u> </u>		
<u> </u>	ļ	throughout.		<u> </u>			 					<u> </u>	
101.6	14.76	FAULT ZONE changy sheared and breached uslamic in day tic zone.		92	┼╌╌╌┼					1			
10.97	1010	The second citrage second of edicine building in aspire since		14	<u>∱</u> †	<u> </u>		<u> </u>	<u> </u>	<u> </u>		<u> </u>	
1676	29.75	CRYSTHL TUFF dark ney-brunish marrive fine proined moderal		99	<u>†</u> †	-	+	 					
		CRYSTHL TUFF dark pay-brunish marcine fine provided moderall situatied, upper par forgemental, address and port on fractiones,		1									
	!												
2115	30.00	AUGITE DACITE dark greg, massive, porphyritic tertare, epidate		95	<u> </u>		L		<u> </u>				
<u> </u>		AUGITE DACITE duck greg, massive, posphyritic tentre, epidate Movite replacing augite, porte ~ 3%								 			
1	1 1	-			↓					<u> </u>		 	
201.20	3660	CRYSTAL TUFF dark prom- grey mottled, fine provide, powersively silicified, chlaste in the motion. pyrik 2.3 Yo		86	╂──╂								
<u> </u>	1	powers, very silve free when the motrix. pylle 2.3%			} ──-†		+			<u> </u>		<u> </u>	
L			L	1	LL		L		<u> </u>	1	L	<u> </u>	L

Client:

Drilling Company:

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Date: 0+06 1794

Hole Net 6 94 DDH 02

Depth			Recov	refy	Depth		1 annata	1 amain		Au	AQ	An
Tank .	Te	Description			Frem	Te	*	Numbe	Langen	02H		978
6.60	38.20	VOLCAPIIC BRECCIA volcomic frequents in chloritic "mudy" motorx,		26								
		bands of ppite tack on fractiones		1								-
				1	1							
8.20	55.66	AUGITE ANDESITE light green with dark green black it augite		92						1		
- F		when massive line to medium proined upper part weakly brock ted.		1								
		phes. massive, fine to medium provined, appendent protecting biorited, bally "m. d." sections, abuse diss in the matrix and protine filling, some epidate.		1							_	
		come enidette.		1							_	
				1	1	[
C.66	58.49	ANDESITE FRAGMENTAL mostly subrounded up to 3min diameter volume		93	1							
		ANDESITE FRAGMENTAL mostly subrounded up to 3cm in diometer volume programments in fine projete modesite, locally conflomente opperence, strongly chloritic, epidate and porte on the particles, an pink calite at 60-200 TCA		┨┈═┈	1	1						
		chloritie unidate and provide on the Baching or pink callete at 60-200 TCA		1								
					1			[
3.49	58.82	CRYSTAL TUFF very fine chlastic "mudy"		89	1	[
		d			1			[
8.82	67.69	AUGITE ANDESITE Light to all acen missive , have primed during		95	1		_					
		AUGITE ANDESITE upht to all green missive the promoted during matrix, all neurous plack callete ~70°TCA, diss pyrite ~1-2 %		1								
											-	
764	68.43	VOLCANIC BRECCIA dark ney internic finements commuted by		90	67.69	68.43		6820M	0.74	2.001		
		Almitexpidate flood five gh proves -5.70 , diss pir te 1%.										
8.43	75,05	AUGITE ANDESITE as above, stronger allout gridale alloution, bottom part locally entremly proprinc allocal, heally my resurphile 20%		95	1370	14.35		68211	0.65	2.001		
		bottom part locally extremly proprince seleccal health my 10 5 mile -20%			ł							
		parile.										
		1.		Τ								
5.05	76.50	VOLCANIC BRECCIA dark FICY-Freey Sylvenely obtante in sunte blosde	(96	75.05	76.50		(822M	1.45	2.001		
		volumic knoments with silice overwint at least two phose of silice		T								
		VOLCANIC BRECCIA doub zicy-zien, setionaly other te ip ante flooder volconic forgements with silica overprint at least two phore of silica flood, beally macrice spote ~ 20%										
62.2	81.60	AUGITE ANDESITE as above with shoning chlorite printe cilinling		98					,			
		in the upper part.		T								

Client:

Hole No: 6 9400402

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											I	ole Recon
Depth		Description	Recov	ery	Depth		Simple	Sample	Lanath	n 02/1.	A	A.,
fram	Te	•	Run	*	Frem	70	*	(in the second s		_		
BJ.60	84. 30	VOLCANIC RECICIA stanzon brecisted one produce induste,		88	8163	82.16		6 8 !3M				. 21
		VOLCANIC BRECCIA stanzer brecested and fractioner Muderto locally white-prey silica fland, strongly chlarts attend, day-tuli an fractures 81.83-8216 pinkich scalite 2 good cpy, anzentite ?			8216	<i>82</i> , 80	· · · · -	68211	0.64	1003		. 10
		friduces 01.82- 8216 pinkich zealite? good cpy, avgentite?		ļ	L							
					<u> </u>							
2.80	83.80	CRYSTAL TUFF dark gigg-gicen, monive, fine provaril, interite oft. biss por to 2:3%		95	<u> </u>							
	1				<u> </u>			1				
3.80	86 60	VOLCANIC BRECCIA opperence like volconic componente breccinical mal comented by fine silico, strongly chloritic set, locally massive prite,		97		85.40		GRISM	1.60	. 002		.07
		comented by line silica strongly chlorite set locally massive prite.			85.40	86.60		6826 M	1.2,0	.002		101
	l				T							107
6 60	87.65	QUARTZ BRECCIA volcanic programments convented by grey brainsh silica- fload (7025,02), chlorite patches, while clay as practices, dissiond		98	86.60	8765		6827M	1.05	. 302		· 0 ⁻
		flood (70% Dr) delaste untikes white day is having discund										
		valets of pyrite.		<u> </u>	1			1				
					1							
17.65	99.88	AUGITE ANDESITE light zeen locally motiled accuracycly the		100								
1.0.4	11,009	AUGITE ANDESITE Light green locally mottled, porresively durts alt., or K-spar alt., locally hands of epidale and parts,		<u> </u>	1			1				
		and the provide the provide of the p	· · ·		╂───							
922	101.04	VOLCANIC BRECCIA sheard and brecented indente with		99	19.68	101.04		6828M	1.16	4.001		
		some silica dire and a later of war to a 3% and any		1	11083	<u>1-4-4</u>		/				
		some silica dies and patches of pprile ~ 390 and cpy		1								
Of all	48.21	AUGITE ANDESITE Light & Ale A and in the light		97	101.40	101.70		6819M	120	6.001		
-1.04	[100. 4]	his an later the sale of the massive, pro presented		<u> ''</u>	1-1-10							
	╞───	many ou we notice of chiorie and epidence protection						<u> </u>				
	{	AUGITE ANDESITE light to dk grien, massive, fine chloritic matrix, acc barge patches of chlorite and epidale, upper part with gtz veining, discund facture filling per trust pyrhotife		1	<u> </u>	 		<u> </u>				
					+	<u> </u>		1		1	•	
	 	EOH		 	╀───					╂╾╍╶──		
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Logged By: L.D.

Drilling Company:

Date: 0,+06 1794

Hole No: G 94 DDH 02. Page: 3cf 3

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F. Marshal ith Consulting Inc. G ? 4 DD H 03 Drill Hole Record Property Location Div/Dist Claim Length?? Start 0.4 0.6 1994 End? 0.4 0.7 1994 Core Size Bearing 180° Elevation W Recov Dip? Dip Test Horizontal Vertical Coords 180 N ; 230 W Objective Objective Horizontal Vertical	
Start O.A. 0.6 1994 Core Size Bearing 180° Elevation % Recov Dip -90° Dip Test Horizontal Vertical	
Necov Dip Dip Test Horizontal Vertical	
	An An
	An Acc
Press To To <tht< th=""><th><u>9/f</u></th></tht<>	<u>9/f</u>
0.00 4.87 CASING	
487 7.49 ANDESITE FRAGMENTAL dark green-brownish badly bronken 69	
homonite stain on fractines, chlaritic motily, locally patities of spidate and	
monte, dissond fracture filling porte	
7.49 8.44 QUARTZ VEIN light to dark Jick machice its proprient in brecicked 88 F.49 8.44 6830M und itsy altered valconic for 1 conc. pyrte < 1%	. 10
and day alfred valconic for it zone, pyrte <170	
844 30.97 ANDESITE light to dark green pully brownich massive fine prince, 95	
8.44 30.97 ANDESITE light to dark grean bially brownith massive fine and reference . 95 strangly cheaptic altered and yearly sight fiel, beally fragmental and huffscears patched of epidale and phante common, diss and facture filling phi ~240	├── ┤
patched of epicale and plance common, dist, and fricture filling ppli ~ 2%	
30.17 37 70 CRYSTAL TUFF light given motiled, way fine yraned, beself giz 94 bands of 40-50° TEA, fracture filling per 2, beauty sinched	
bands of 40-50° TCA, frechure filling ports, beauty sinched	┟──╂──┼──┤
3770 48.06 VOLCANIC BRECCIA stonaly strand and Breccicled andesite, 18 40.66 4236 6851M	.07
3770 48.06 VOLCANIC BRECCIA strongly strand and breccicked andes, te. 18 40.66 4236 6851M day-scrite on the fractures strongly city field some gtz fragments, builty 44.00 45.20 6832M K-spon, diss. and fracture filling fract 2-3% 45.00 46.45 6833M	2.07
K-Sport this and fractive filling for to 2-3% 0 45.00 46.45 6833.M	
48.06 50.00 QUADIZ VEIN in strongly sheared extremly chay scripte stored 94 48.06 50.00 6834M	.14
vomenic on programts, dissand frichtop purch throughout	┟──┼──┤
50.00 64.10 AUGITE ANDESITE dark even mottled, And ground ware 12 99	
50.00 64.10 AUGITE ANDESITE dark green mottled find from and marsile 99 sleep produces 80.95°TCA filled 4.14 pick restrict	┨──┤──┤
GUID 45 60 CRYSTALTUEF don't manife dis delaste in the materia 100	┟──┼──┤
6410 65.60 CRYSTALTUFF dark oney monise diss delaste in the materia, 100 Andrice filling pyrit on 1.2%	
	┟──┼──┦
6:60 78.92 AUGITE ANDESITE light to dail proon, mattled bestly paties 100	

Client:

Drilling Company:

Logged By: L.D. Date: Oct + 1794

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Hole No: 6-94 DDH 03 Page: 1 of 2

SEARCHLIGHT CONSULTANTS INC.



De	pth		Reco	wery	Sample	Interval	Sample	Sample		Aæ	Ag		Acr
From	To	Description	Run	*	Frem	To	Recovery	Sample Number	Length	02/t			16
				T									
78.12	79.11	QUARIZ VEIN dark - pinkish marrie sharp upper and longer contact, diss prink and cpy.		100	18.92	79.11		6835M	0.19	+ 004			
		long contact diss mill and cpy.		<u> </u>									
				[<u> </u>	<u> </u>	<u> </u>	<u> </u>		<u> </u>		_	
79.11	8625	AUGITE ANDESITE dark preen shouply chl. 1 lic, manile, heally proprestal, Heally situified, pp. 12 2%		97		<u> </u>							
		bustly programmental, neakly silvifical prote 2%		L		ļ				1			
				97		<u> </u>	L					_	
<u>86.25</u>	87 48	VOLCANIC BRECCIA richty sheard and bicristed molerte. some pt frooding. pyrit ~ 1-2 %		ļ								_	
		some pt proding. pprit ~ 1-2 %		_			ļ	ļ					
				10.2	-	ļ	I						
(7.48	104.85	AUGITE ANDESITE dans green massive, fine to medium prined, presh Looking, Westly K-coas alteration, diss parte ~ 2.3%		L	1	 	_						
		prined their losting, builty K-cost alleration diss		ļ		ļ							
		parit ~ 2.3%		ļ			ļ						
			·			ļ	<u> </u>	 		<u> </u>		<u>_</u>	
104.8S	<u>79:11</u>	AUGIFE ANDESITE light picen, extremin hlorde epidate uttered bends and patches of delartes, matthed beally silves bends, pyrite - 240.		_98		 	┨────			<u> </u>			
		ultired bends and patches of delarde, mottled builty				 -	┇						
		silice bends, pyr. 6. ~ 240.					<u> </u>	ł					
		E.D. H		<u> </u>						· · · - · · · · · · · · · · · · · · · ·		ł-	
		<u> </u>										-	
				<u> </u>	+		+						
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		<u> </u>	•				+	<u> </u>				_ _	
<u>.</u>				┟────						·····	<u> </u>	/ <u>+</u> -	
						<u>├</u> ──	╂────						
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	Company						- G 45 1.	100000	⇒.				

Drilling Company

Date: 047 1991

Page 2

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Appendix II

Assay Certificates

Phone: (604) 277-6662 F. Marshall Smith, F.G.A.C. Fax: (604) 271-6607 6580 Mayflower Drive, Richmond, British Columbia, Canada V7C 3X6



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

6580 MAYFLOWER DR. RICHMOND, BC V7C 3X6

Comments: CC: LES DEMCZUK

A9428991 **ANALYTICAL PROCEDURES** DETECTION LIMIT CHEMEX NUMBER CODE SAMPLES DESCRIPTION METHOD 881 43 Au g/t: Total, metallics calc. FA-AAS/GRAV 0.07 885 43 Au- g/t: Metallics calc. FA-AAS/GRAV 0.07 887 Au+ mg: Netallics calculation 43 FA-AAS/GRAV 0.002 Weight- g: Metallics calculation 889 43 BALANCE 1 888 43 Weight+ g: Metallics calculation BALANCE 0.01

(SV) - SMITH, F. MARSHALL CONSULTING

CERTIFICATE

Project: P.O. # :

Samples submitted to our lab in Vancouver, BC. This report was printed on 26-0CT-94.

	SAM	PLE PREPARATION
CHEMEX	NUMBER SAMPLES	DESCRIPTION
207 294	43 43	Assay pulv, screen -150, roll Crush and split (6-10 pounds)

A9428991

UPPER LIMIT

500.00

500.00

50.000

N/A

N/A



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

To: SMITH, F. MARSHALL CONSULTING

6580 MAYFLOWER DR. RICHMOND, BC V7C 3X6

Page Number :1 Total Pages :2 :2 Certificate Date: 26-OCT-94 Invoice No. P.O. Number :19428991 SV Account

A9428991

Project : Comments: CC: LES DEMCZUK

CERTIFICATE OF ANALYSIS

't Wt. + rams grams			
217 12.60 206 13.35 253 6.92 287 3.91			

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SAMPLE	PREP Code	Au tot g/t	Au - g/t	Au + mg	Wt grams	Wt. + grams				
6756 M 6757 M 6758 M 6764 M 6765 M	207 294 207 294 207 294 207 294 207 294 207 294	0.10 0.14 0.14 0.07 0.07	0.10 0.14 0.14 0.07 0.07	0.002 0.002 < 0.002 < 0.002 < 0.002	217 206 253 287 250	12.60 13.35 6.92 3.91 4.54				
6766 M 6767 M 6768 M 6769 M 6770 M	207 294 207 294 207 294 207 294 207 294 207 294	0.10 0.07 0.14 0.07 0.07	0.10 0.07 0.14 0.07 0.07	< 0.002 < 0.002 0.002 < 0.002 < 0.002	256 289 295 210 291	5.32 12.17 11.71 11.86 11.95				
6771 M 6774 M 6775 M 6776 M 6777 M	207 294 207 294 207 294 207 294 207 294 207 294	0.07 0.07 0.07 0.10 0.07	0.07 0.07 0.07 0.10 0.07	< 0.000 < 0.002 < 0.002 0.002 0.002	253 312 285 282 300	10.97 12.11 12.47 13.05 13.14				
6778 M 6782 M 6783 M 6784 M 6785 M	207 294 207 294 207 294 207 294 207 294 207 294	0.07 0.14 0.07 0.14 0.10	0.07 0.14 0.07 0.14 0.10	0.002 0.002 < 0.002 0.002 0.002	186 251 232 279 239	11.42 11.55 8.65 10.27 12.31				
6788 M 6789 M 6790 M 6791 M 6792 M	207 294 207 294 207 294 207 294 207 294 207 294	0.10 0.07 0.14 0.07 0.07	0.10 0.07 0.14 0.07 0.07	0.002 0.002 0.002 < 0.002 < 0.002	278 308 255 163 256	15.95 10.95 14.41 11.00 13.74				
6793 M 6800 M 6801 M 6810 M 6811 M	207 294 207 294 207 294 207 294 207 294 207 294	0.07 0.07 0.07 0.07 0.07	0.07 0.07 0.07 0.07 0.07	< 0.002 < 0.002 0.002 0.002 < 0.002	227 234 224 276 256	9.63 9.08 20.78 12.68 7.49		·		
6812 M 6813 M 6814 M 6823 M 6824 M	207 294 207 294 207 294 207 294 207 294 207 294	0.07 0.41 0.10 0.21 0.10	0.07 0.41 0.10 0.21 0.10	< 0.002 0.004 0.002 0.003 < 0.002	212 209 231 261 292	12.20 12.27 17.31 14.04 14.10				
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6580 MAYFLOWER DR. RICHMOND, BC V7C 3X6

Page Number :2 Total Pages :2 Certificate Date: 26-OCT-94 Invoice No. : 19428991 P.O. Number : sv Account

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Project : Comments: CC: LES DEMCZUK

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Chemex Labs Ltd.

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A9428990

Comments: CC: LES DEMCZUK

C	ERTIFI	ICATE A9428990			ANALYTICA	L PROCEDURES	3	ľ
iv)-Sk roject: O.#:	AITH, F. M	ARSHALL CONSULTING	CHEMEX	NUMBER	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
O.#: amples submitted to our lab in Vancouver, BC. his report was printed on 25-OCT-94.			998	42	Au oz/T: 1 assay ton	PA-ARS	0.001	20.00
	SAM	PLE PREPARATION						
Hemex Xode	NUMBER SAMPLES	DESCRIPTION						
208 294	42 42	Assay ring to approx 150 mesh Crush and split (6-10 pounds)						
	<u> </u>							



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Project :

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Page Number :1 Total Pages :2 Certificate Date: 25-OCT-94 Invoice No. :19428990 P.O. Number : Account SV

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CERTIFICATION:

hah Vmh



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Project : Comments: CC: LES DEMCZUK

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SAMPLE	PREP CODE	Au oz/T	_							
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Appendix III

Geophysical Survey Report

David Mark, P.Geo.

Geotronics Surveys Ltd.

Phone: (604) 277-6662 **F. Marshall Smith, F.G.A.C.** Fax: (604) 271-6607 6580 Mayflower Drive, Richmond, British Columbia, Canada V7C 3X6

GEOPHYSICAL REPORT

ON

INDUCED POLARIZATION AND RESISTIVITY SURVEYS

OVER TWO AREAS OF THE

BAKER PROJECT

TOODOGGONE RIVER AREA

OMINECA MINING DISTRICT, BRITISH COLUMBIA

SURVEY PERIOD WRITTEN FOR

WRITTEN BY

DATED

: September 11 to 23, 1994

BAKER LAKE GOLD MINES INC.
 403-1661 Portage Avenue
 Winnipeg, Manitoba, R3J 3T7

 David G. Mark, P.Geo., Geophysicist GEOTRONICS SURVEYS LTD.
 #405 - 535 Howe Street Vancouver, B.C. V6C 2Z4

: May 6, 1995

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COMPILATION OF DATA	6
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REFERENCES	11
GEOPHYSICIST'S CERTIFICATE	12

MAPS IN POCKET <u>Scale</u> <u>Map #</u> (1)West Chappelle Area **IP and Resistivity Pseudosections** Line 17+25E GP-1 1:1250 Line 17+50E 1:1250 GP-2 Line 17+75E 1:1250 GP-3 Line 18+00E 1:1250 GP-4 Line 18+25E 1:1250 GP-5 Line 18+50E 1:1250 GP-6 Line 18+75E 1:1250 **GP-7**

1:1250

1:1250

1:1250

1:1250

1:2500

1:2500

1:2500

GP-8

GP-9

GP-10

GP-11

GP-12

GP-13

GP-14

Line 19+00E

Line 19+25E

Line 19+50E

Line 19+75E

Line 17+75E, 30-meter dipole

Line 18+25E, 30-meter dipole

Line 19+25E, 30-meter dipole

Chargeability, n=1	1:1250	GP-15
Resistivity, n=1	1:1250	GP-16
2) Chappelle 15 Area		
IP and Resistivity Pseudosections		
Line One	1:1250	GP-17
Line 200W	1:1250	GP-18
Line 215W	1:1250	GP-19
Line 230W	1:1250	GP-20
Line 245W	1:1250	GP-21
Line 260W	1:1250	GP-22
Line 275W	1:1250	GP-23
Survey Plans		
Chargeabililty, n=1	1:1250	GP-24
Resistivity, n=1	1:1250	GP-25

Survey Plans

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SUMMARY

Induced polarization and resistivity surveys were carried out over two areas of the Baker Project located in close proximity to the Baker Mine, a past producer, in the Toodoggone River area of northern British Columbia.

The IP and resistivity surveys were carried out using a BRGM Elrec 6 multi-channel receiver operating in the time-domain mode. The array used was dipole-dipole, read to 12 separations, with a dipole length and reading interval of 15 m. Three of the lines were repeated with the dipole length and reading interval at 30 m. Eighteen lines were carried out for a total survey length of 7,995 m. The results were plotted in pseudosection and plan, and contoured.

The purpose of the work for each of the two areas was to map epithermal alteration zones and the correlating epithermal vein.

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<u>CONCLUSIONS</u>

- The resistivity lows within the pseudosections have very well reflected the known epithermal vein systems on the property. There is excellent correlation between the surfaced-mapped and the drill-indicated veins directly with the edge of resistivity highs on the floor of the resistivity lows.
- 2. The pseudosections and subsequent drilling indicate the veins to be dipping northerly. These were found to carry little gold.
- 3. The T93-01 vein within the West Chappelle area is shown by the pseudosections and surface mapping to be dipping southerly and to have a minimum strike length of 50 meters. It carries gold of up to 0.15 oz/ton.
- 4. Some of the resistivity lows other than the one reflecting the T93-01 vein indicate epithermal systems dipping southerly.

RECOMMENDATIONS

These are given in Demscuk's report and thus no additional ones will be given here. The writer agrees with Demscuk that the T93-01 vein should be drilled and if positive results are obtained than further IP/resistivity surveying, drilling, and probably trenching should be continued. The target areas would then be systems showing a southerly dip.

GEOPHYSICAL REPORT

ON -

INDUCED POLARIZATION AND RESISTIVITY SURVEYS

OVER TWO AREAS OF THE

BAKER PROJECT

TOODOGGONE RIVER AREA

OMINECA MINING DISTRICT, BRITISH COLUMBIA

INTRODUCTION AND GENERAL REMARKS

This report discusses the instrumentation, theory, field procedure and results of induced polarization ("IP") and resistivity surveys carried out over two areas of the Baker Project which consists of mineral claims adjacent to the Baker Mine property, a past producer. The two areas are referred to as West Chappelle and Chappelle 15. The surveys were part of a larger exploration program carried out in the late summer of 1994 that also included diamond drilling and geological mapping. This report is written to be included as an addendum to a geological report on the property by F. Marshall Smith, geologist.

The field work was carried out from September 11 to 23, 1994, under the direct supervision of the writer, who also formed part of the field crew. One geophysical technician as well as two helpers completed the crew of four.

The main purpose of the geophysics was to map, through mainly the resistivity survey, epithermal alteration zones occurring within the two areas that had been previously located. It was intended not only to map the areal extent but also the shape and depth extent of the epithermal alteration and, as a result, locate for optimum drilling purposes the epithermal vein. It was anticipated that the resistivity survey would reflect the alteration zones as resistivity lows, and, if the epithermal quartz veins were large enough, or showed sufficient contrast, it would also reflect the veins as resistivity highs within the resistivity lows. The IP chargeability survey was expected to reflect sulphides, which also at times can be useful in mapping epithermal zones since pyrite often occurs peripheral to the main alteration.

INSTRUMENTATION

The transmitter used for the induced polarization-resistivity surveys was a Model IPT-1 manufactured by Phoenix Geophysics Ltd. of Markham, Ontario. It was powered by a 2.5 kw motor generator, Model MG-2, also manufactured by Phoenix.

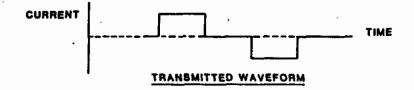
The receiver used was a six-channel BRGM, model Elrec 6. This is state-of -the-art equipment, with software-controlled functions, programmable through a keyboard located on the front of the instrument. It can measure up to 10 chargeability windows and store up to 2500 measurements within the internal memory.

THEORY

When a voltage is applied to the ground, electrical current flows, mainly in the electrolyte-filled capillaries within the rock. If the capillaries also contain certain mineral particles that transport current by electrons (mostly sulphides, some oxides and graphite), then the ionic charges build up at the particle-electrolyte interface, positives ones where the current enters the particle and negatives ones where it leaves. This accumulation of charge creates a voltage that tends to oppose the current flow across the interface. When the current is switched off, the created voltage slowly decreases as the accumulated ions diffuse back into the electrolyte. This type of induced polarization phenomena is known as electrode polarization.

A similar effect occurs if clay particles are present in the conducting medium. Charged clay particles attract oppositely-charged ions from the surrounding electrolyte; when the current stops, the ions slowly diffuse back to their equilibrium state. This process is known as membrane polarization and gives rise to induced polarization effects even in the absence of metallic-type conductors.

Most IP surveys are carried out by taking measurements in the "time-domain" or the "frequency-domain".



Time-domain measurements involve sampling the waveform at intervals after the current is switched off, to derive a dimensionless parameter, the chargeability "M", which is a measure of the strength of the induced polarization effect. Measurements in the frequency domain are based on the fact that the resistance produced at the electrolyte-charged particle interface decreases with increasing frequency. The difference between apparent resistivity readings at a high and low frequency is expressed as the percentage frequency effect, or "PFE".

The quantity, apparent resistivity, ρ_{α} , computed from electrical survey results is only the true earth resistivity in a homogenous sub-surface. When vertical (and lateral) variations in electrical properties occur, as they always will in the real world, the apparent resistivity will be influenced by the various layers, depending on their depth relatives to the electrode spacing. A single reading cannot therefore be attributed to a particular depth.

The ability of the ground to transmit electricity is, in the absence of metallic-type conductors, almost completely dependent on the volume, nature and content of the pore space. Empirical relationships can be derived linking the formation resistivity to the pore water resistivity, as a function of porosity. Such a formula is Archie's Law, which states (assuming complete saturation) in clean formations:

$$\frac{\underline{R}_{\underline{o}}}{\underline{R}_{w}} = o^{-2}$$

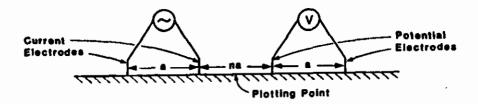
Where:

 R_o is formation resistivity R_w is pore water resistivity O is porosity

SURVEY PROCEDURE

The IP and resistivity measurements were taken in the time-domain mode using an 8second square wave charge cycle (2-seconds positive charge, 2-seconds off, 2-seconds negative charge, 2-seconds off). The delay time used after the charge shuts off was 240 milliseconds and the integration time used was 1,600 milliseconds divided into 10 windows. The array chosen was the dipole-dipole, shown as follows:

DIPOLE - DIPOLE ARRAY



The dipole length and reading interval were chosen to be 15 meters. The lines were read to 12 separations, which gives a theoretical depth penetration of 110 m (about 350 feet). On the West Chappelle survey, 3 lines were resurveyed with a dipole length/reading interval of 30 meters which gives a theoretical depth penetration of 220 meters (about 700 feet).

Stainless steel stakes were used for current electrodes as well as for the potential electrodes.

Over the <u>West Chappelle survey area</u>, 11 lines, 17+25E to 19+75E, inclusive, were surveyed for a total survey length of 4,470 m. The line separation was 25 m, and the line direction, due north. The lines resurveyed at the 30-meter dipole interval were

17+75E, 18+25E, and 19+25E giving a survey length totaling 1,140 meters. Thus the total survey length within the West Chappelle area was 5,910 meters.

Over the <u>Chappelle 15 survey area</u>, 7 lines were surveyed for a total survey length of 2,085 meters. The first line, labeled "line one", was surveyed in a 310-degree east direction. It was then determined that the epithermal system ran more easterly and thus the remaining lines were run in a due south direction. These lines, with a separation of 15m, were labeled 200W to 275W, inclusive.

COMPILATION OF DATA

All the data were reduced by a computer software program developed by Geosoft Inc. of Toronto, Ontario. Parts of this program have been modified by Geotronics Surveys Inc. for its own applications. The computerized data reduction included the resistivity calculations, pseudosection plotting, survey plan plotting and contouring.

All the data from the 15-meter dipole lines were plotted in pseudosection form at a scale of 1:1,250. The 30-meter dipole lines were plotted in pseudosection form at a scale of 1:2,500. The map numbers are shown in the Table of Contents at the front of the report. Each value is plotted at a point formed from the intersection of a line drawn from the mid-point of each of the two dipoles. The results of this method of plotting is the farther the dipoles are separated, the deeper is the reading. The resistivity pseudosection is plotted on the upper part of the map for each of the lines, and the chargeability pseudosection is plotted on the lower part.

Also, contoured plan maps were prepared for level 1 (n=1) for each of the two survey areas at a scale of 1:1,250.

All pseudosections and plans were contoured at an interval of 5 milliseconds for the chargeability results, and at an interval of logarithmic to the base 10 for the resistivity results.

DISCUSSION OF RESULTS

A. <u>West Chappelle Survey Area</u>

The most prominent feature, in general, of the resistivity data is a series of strong resistivity lows within the center of the survey area, that is, at about 1600 N, that stretches westerly across all the lines. These lows correlate very well with epithermal alteration zones associated with the 'J', 'K', 'L', 'M', and West Chappelle veins. The lows reflect epithermal alteration and the resistivity highs, on the floor of the resistivity lows, reflect the siliceous vein material that is often the host for epithermal gold mineralization. This is confirmed where drilling took place, i.e., on lines 1925E and 1950E. Drill-intersected quartz veining can be seen to correlate directly with resistivity highs or with the edge of resistivity highs. This can also be seen on some of the pseudosections where surficial exposure of epithermal quartz veins also correlates directly with the edge of resistivity highs.

Occurring on the hanging walls of the epithermal zones are chargeability highs that undoubtedly reflect sulphides, most likely pyrite. This is confirmed by the fact that this area is very gossanous. This is unusual to have such a strong zone of sulphides to occur so close to the main part of the epithermal system but this is obviously one of the characteristics that is peculiar to epithermal systems within the Baker Mine area. (Chargeability highs also occur within epithermal systems within the Cheni Mine area but, from work done by the writer, are of much lower amplitude, therefore indicating less sulphides.) A zone of pyritization is usually part of the epithermal system but for the most part occurring further out from the vein.

The surficial geology indicates that the veins with the associated alteration dip southerly, but the resistivity and IP (chargeability) pseudosections indicate, for the most part, the veins dip northerly. This was subsequently confirmed by drilling. Unfortunately, however, the assay returns did not return any gold values above 0.03 oz./ton.

On pseudosections 17+25W, 17+50W, and 17+75W, can be seen the resistivity signature of the T93-01 vein. The pseudosections indicate this vein to have a strike length of at least 50 meters. Trenching had uncovered this vein in 1993 and the geological mapping of the trench indicates this vein also to dip to the south, but, unlike the others, the resistivity pseudosections confirm this. It is interesting to note that the gold content of this vein was higher at 0.15 0z/ton. It could be, as suggested in Demczuk's report, that the southerly-dipping systems are the ones carrying the gold.

Other resistivity lows with similar shapes to the lows reflecting the known epithermal systems have been interpreted to be possibly caused by epithermal alteration zones with the vein occurring within the floor of the low. These have been labeled by the word "vein?" and occur on all pseudosections.

Many of the resistivity pseudosections show lineal-shaped resistivity lows. These are indicative of faults or shear zones and thus have been labeled by the word "fault?".

A flat-lying or near flat-lying surficial resistivity high occurs on the southern part of most of the lines. The likely causative source is buried ice, especially considering it

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occurs on a north-facing slope. Outcroppings of ice buried within talus slides can be seen throughout the area.

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As mentioned above, three of the lines were resurveyed with a dipole length and reading interval of 30 meters. The purpose was to explore to a greater depth than the 15-meter dipole survey was capable of. However, the 30-meter pseudosections correlate poorly with known geology and the 15-meter pseudosections and thus are not considered that useful. The geology is obviously too complex to be mapped by any dipole length larger than 15 meters.

B. <u>Chappelle 15 Survey Area</u>

The surveying within this area covers a newly-discovered vein labeled the 'G' vein. At first the limited exposure of the vein from the trenching seemed to indicate the vein to strike northeasterly and thus the first IP/resistivity survey line, labeled 'one', was put in at a 310-degree east direction. Further vein exposure and the lack of any discernible signature on the resistivity pseudosection indicated the vein to strike more east-west. Thus the subsequent survey lines were placed in a north-south direction.

As within the West Chappelle survey area, there is very good correlation between the resistivity pseudosections and the outcropping of the 'G' vein and drill-intersected quartz vein and breccia. This can be seen on pseudosections 200W, 215W, and 230W where vein and breccia occur on the floor of resistivity lows. The pseudosections show the vein(s) to be flatly dipping to the north.

The assay returns on any of the drilling, like that within the West Chappelle area, did not result in any values above 0.03 oz./ton gold. The veins intersected and subsequently assayed all dip northerly thus corroborating the suggestion that northerlydipping veins are barren. However, some of the pseudosections, namely 200W, 245W, and possibly 215W and 230W, show resistivity lows dipping steeply south. Perhaps, as is suggested by the T93-01 vein within the West Chappelle area, these reflect epithermal systems with veins that carry gold. The southerly-dipping low on the northern part of line 245W is particularly strong and therefore indicates a strong epithermal system that could carry more gold mineralization.

The IP chargeability pseudosections show the readings to be very high and noisy. The IP highs, which reflect pyritization, thus indicate the geology to be more complex than that of the West Chappelle area.

Resistivity lows indicative of epithermal alteration systems have been labeled by the word 'vein?'. Most of these dip northerly.

Respectfully submitted, GEOTRONICS SURVEYS LTD.

FESSIO PROVINCE D. G. MARK BRITISH SCIEN

David G. Mark, P.Geo., Geophysicist

<u>REFERENCES</u>

- Carter, N.C., <u>Report on the 1988 Exploration Program, Chappelle Gold</u> <u>Property</u>, Private Report for Multinational Resources Inc., 1988.
- Coombes, S.F., <u>Private Report to SCA Management Ltd. on 1993 Exploration</u> Work, Baker Claims, 1993.
- Demczuk, Les, <u>Report on the Baker Project</u>, <u>Toodoggone Area</u>, <u>Omineca</u> <u>Mining Division</u>, <u>North-Central British Columbia</u>, for Baker Lake Gold Mines Inc., February 12, 1995.
- Diakow, Larry J., Pantleleyen, Andrejs, and Schroeter, Tom G., Jurassic Epithermal Deposits in the Toodoggone River Area, British Columbia: Examples of Well-Preserved, Volcanic hosted, Precious Metal Mineralization, Economic Geology, Vol. 86, pp. 529-554, 1991.
- MacLean, K.A., <u>Progress Report for 1976, Report to Du Pont of Canada</u> <u>Exploration Limited</u>, 1977.
- MINFILE, Chappelle, 094E 026, EMPR, 1990.
- Nelles, David M., <u>Report on the 1985 Exploration Programme</u>, <u>Private Report</u> to <u>Multinational Resources Inc.</u>, 1985.
- Schroeter, T.G., <u>Geology of Early Jurassic Toodoggone Fomration</u>, EMPR Bull. 86, 1993.
- Schroeter, T.G., <u>Toodoggone River (94E) B.C. Ministry of Energy</u>, <u>Mines and</u> <u>Petroleum Resources</u>, <u>Geological Field Work 1981 Paper 1983 - 81</u>, pp. 122-133, 1982.
- Smith, F.M., <u>Report on the Silver Pond Property</u>, <u>Private Report to Ocean</u> <u>Crystal Resources Inc.</u>, 1992.

GEOPHYSICIST'S CERTIFICATE

I, DAVID G. MARK, of the City of Vancouver, in the Province of British Columbia, do hereby certify that:

I am registered as a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

I am a Consulting Geophysicist of Geotronics Surveys Ltd., with offices at #405 - 535 Howe Street, Vancouver, British Columbia.

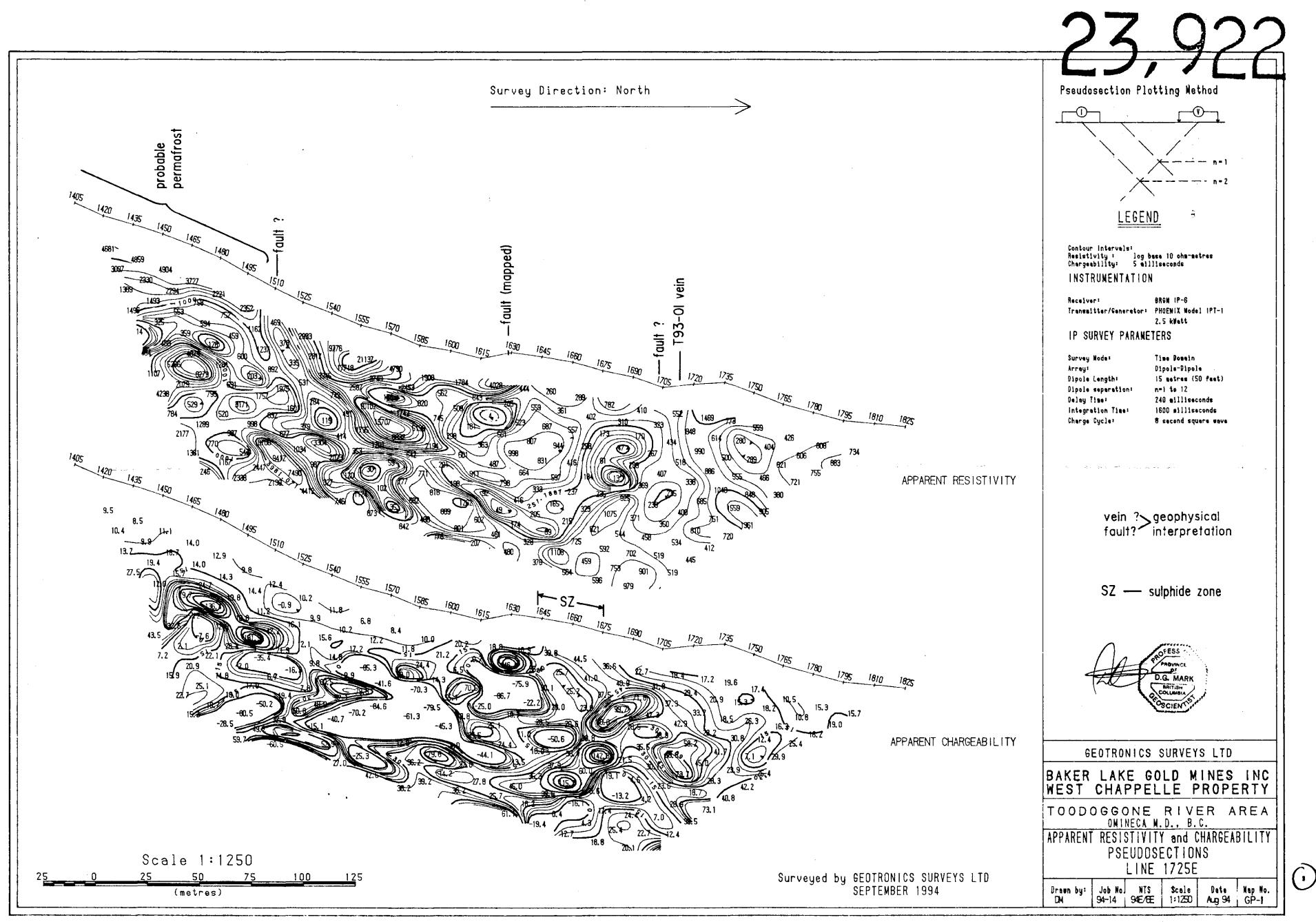
I further certify that:

- I am a graduate of the University of British Columbia (1968) and hold a B.Sc. degree in Geophysics.
- I have been practicing my profession for the past 27 years, and have been active in the mining industry for the past 30 years.
- This report is compiled from data obtained from IP and resistivity surveys carried out over two areas of the Baker property from September 11 - 23, 1994. The surveys were carried out directly under my supervision.
- 4. I do not hold any interest in Baker Lake Gold Mines Inc.., nor in the properties discussed in this report, nor do I expect to receive any interest as a result of writing this report.

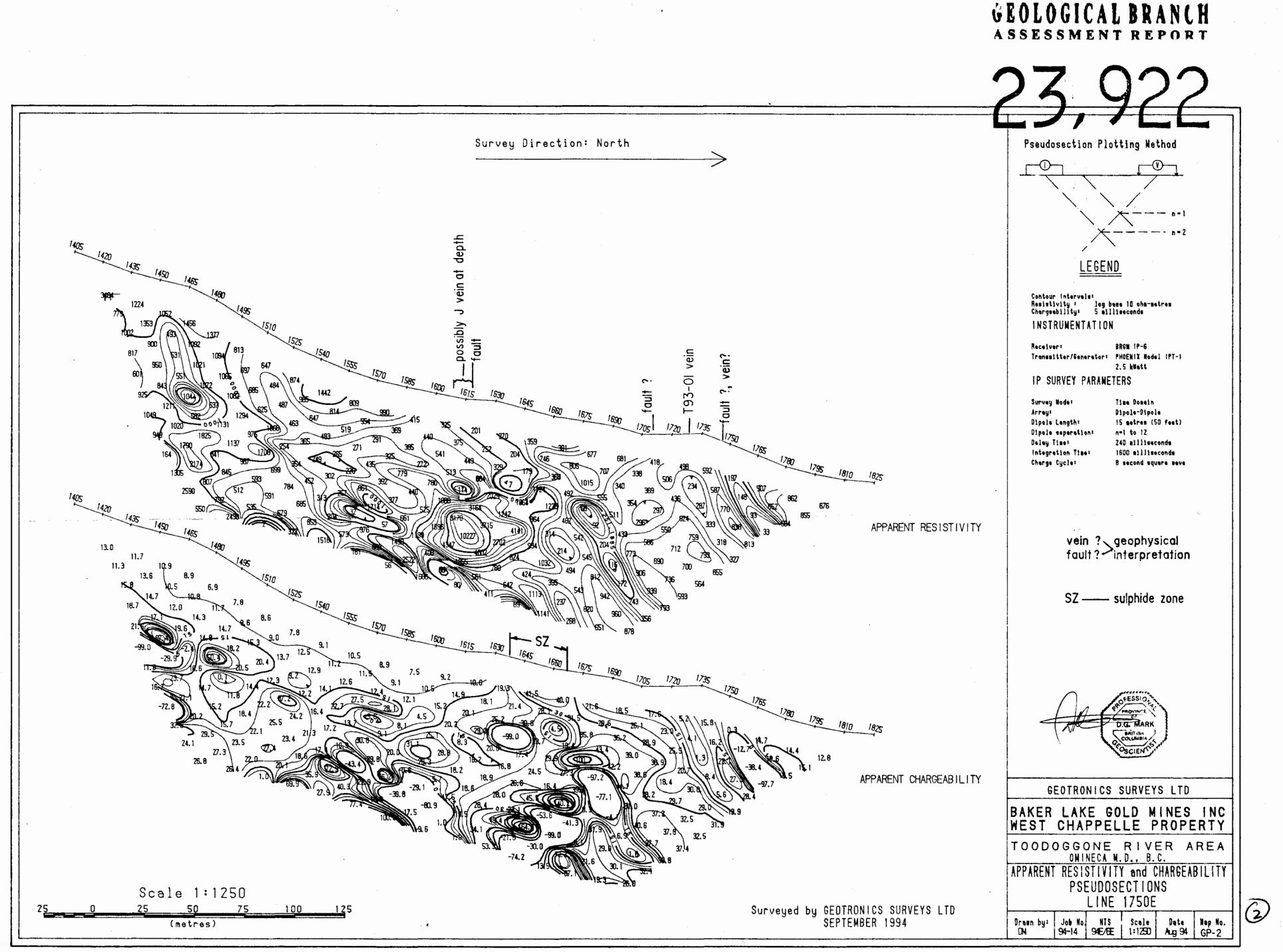
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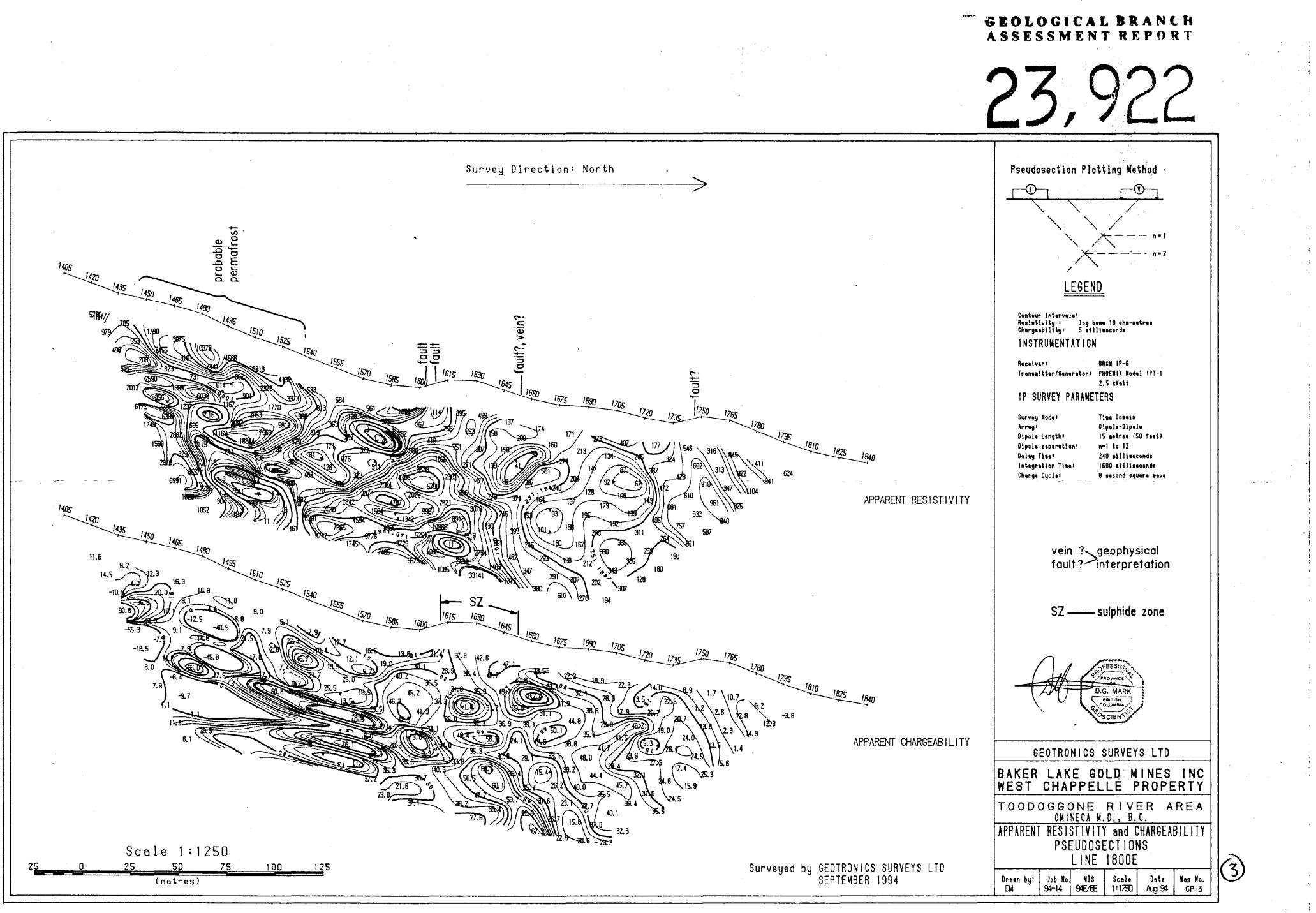
David G. Mark, P.Geo., Geophysicist

May 6, 1995

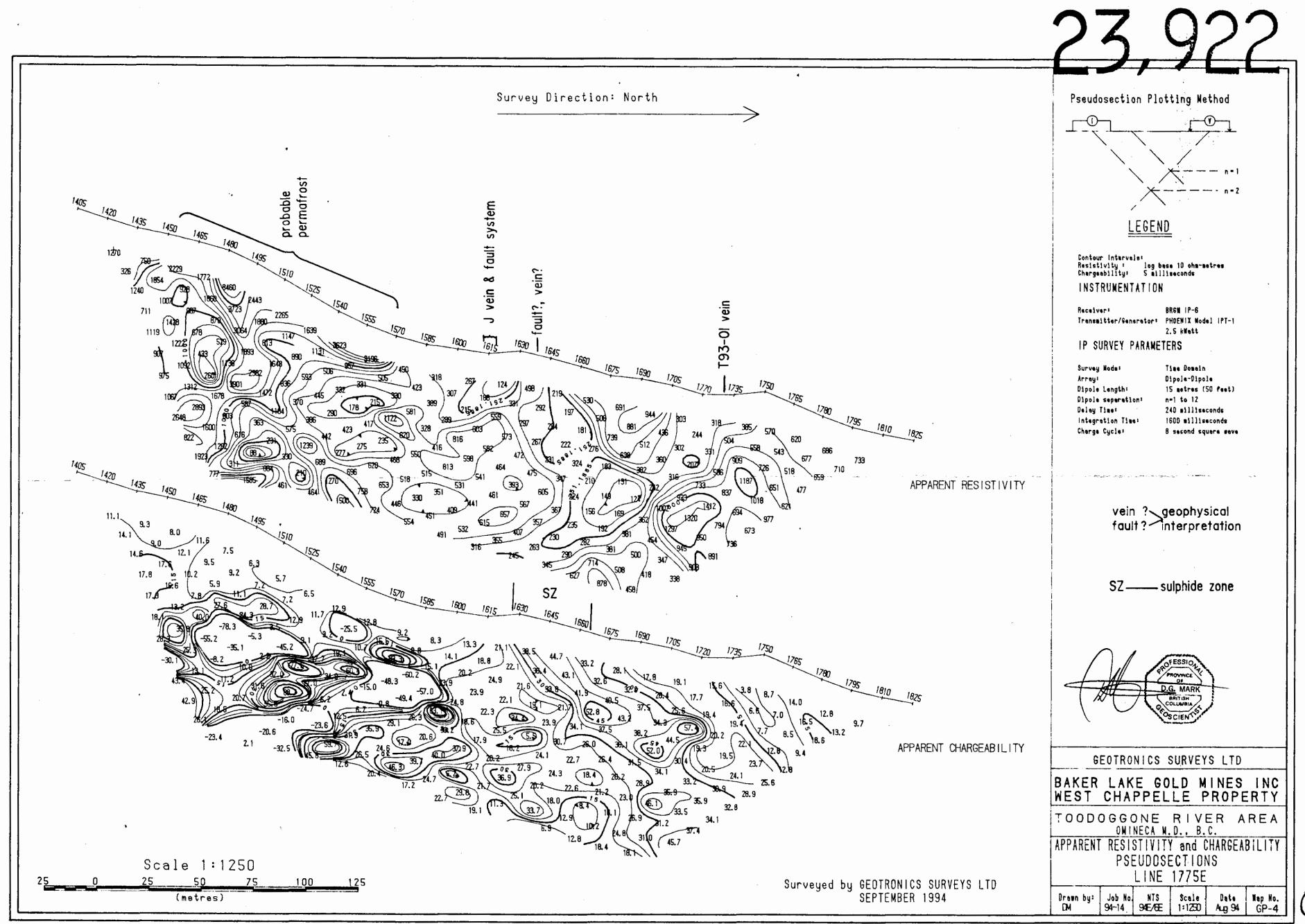


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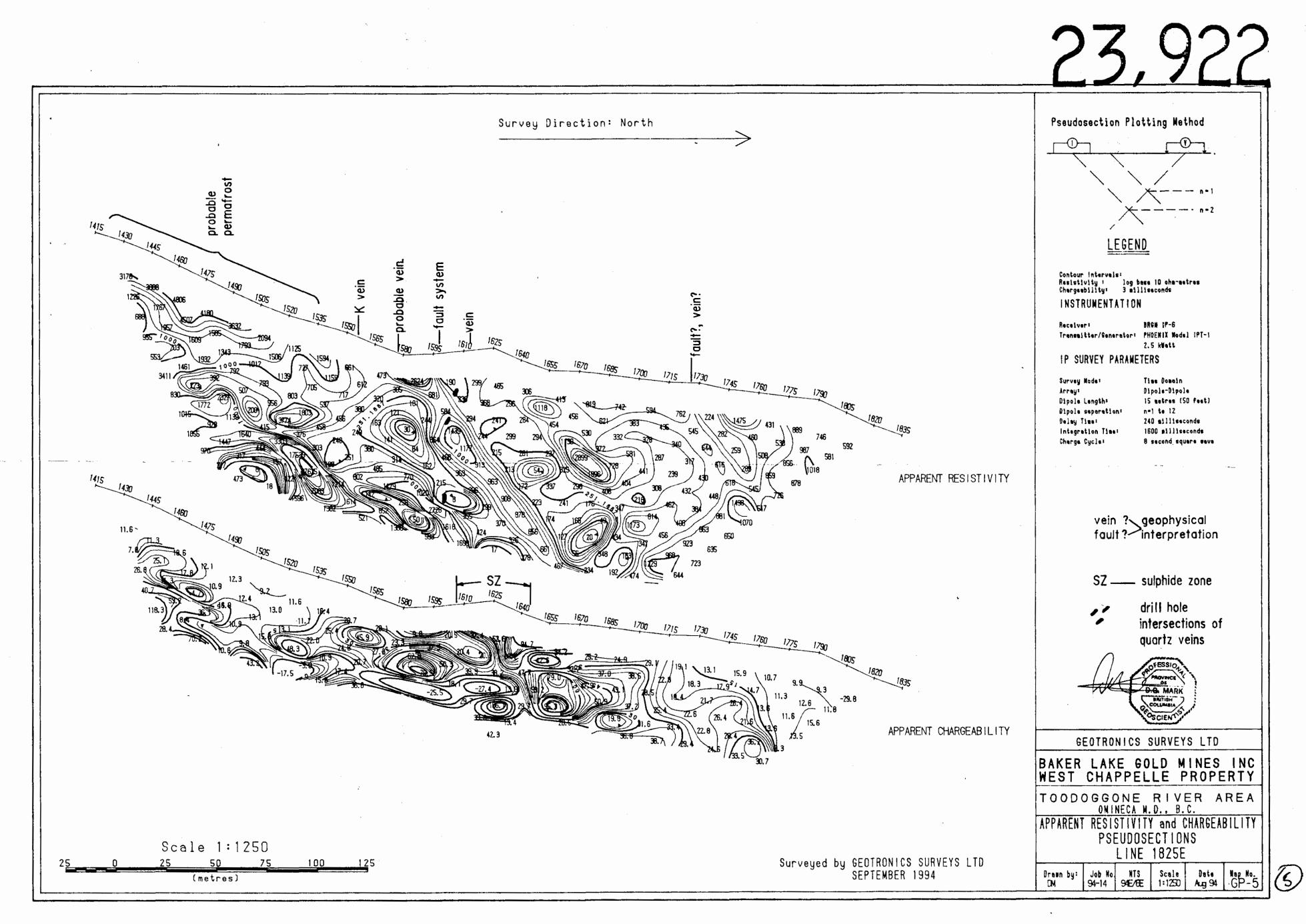
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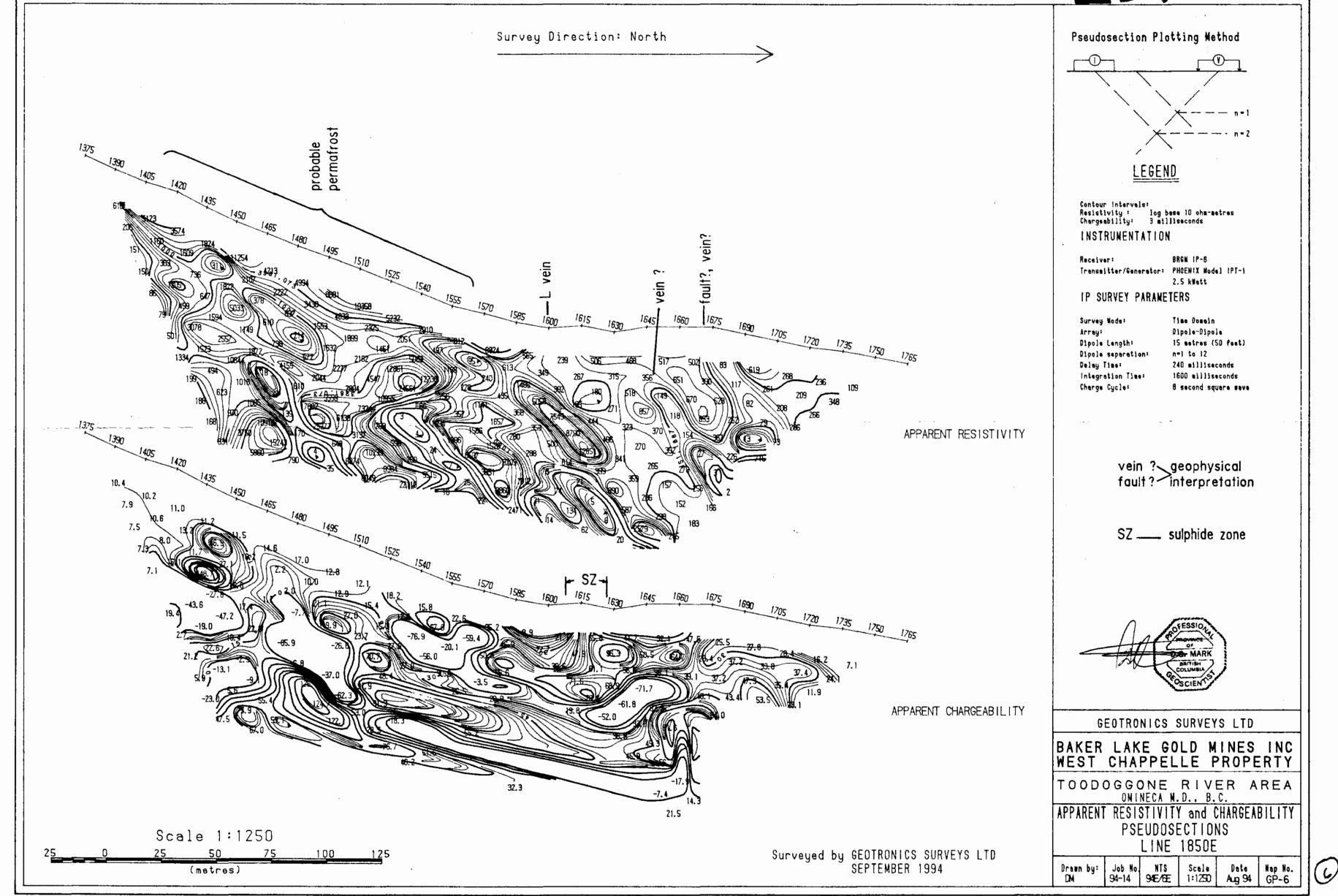


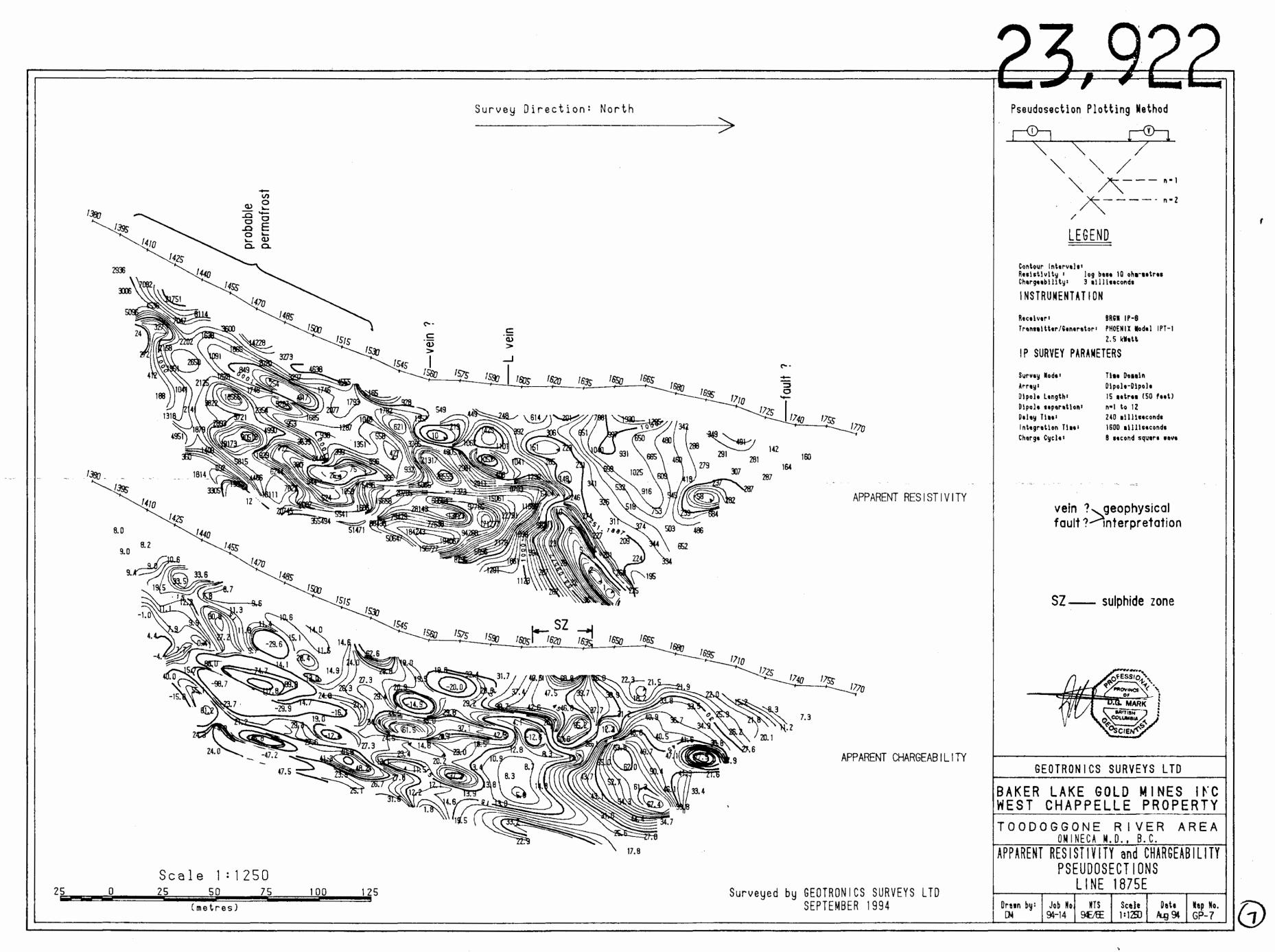
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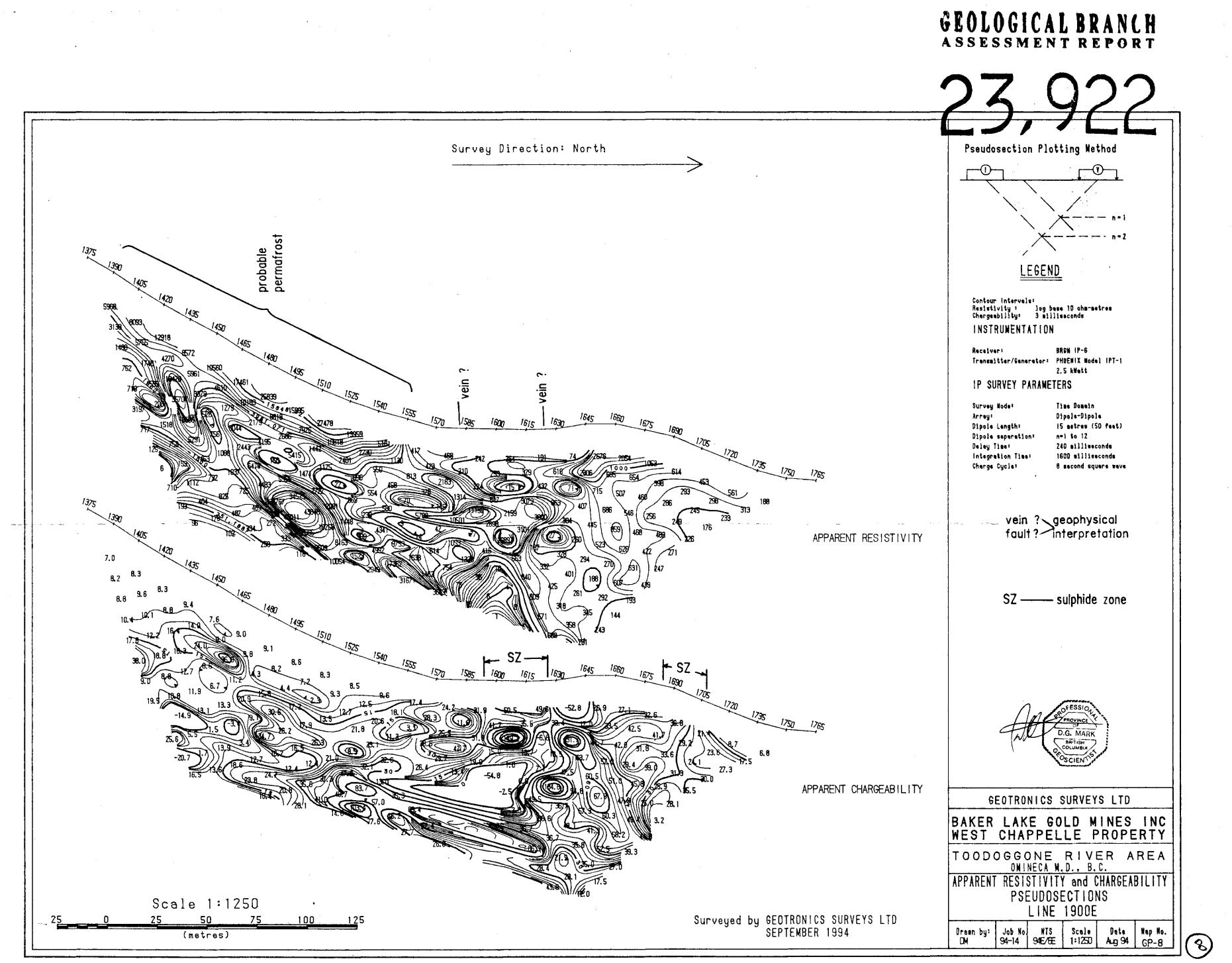
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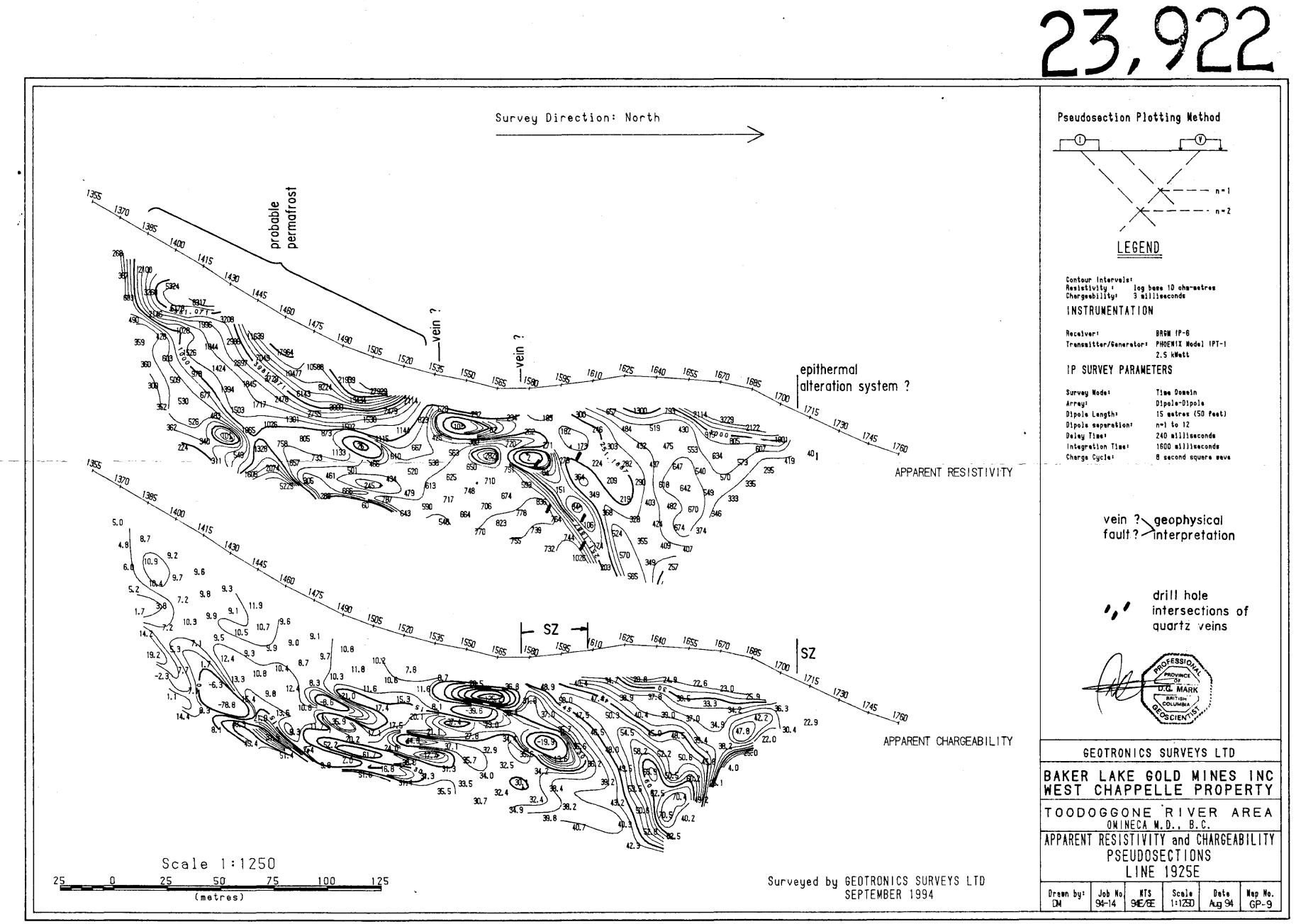






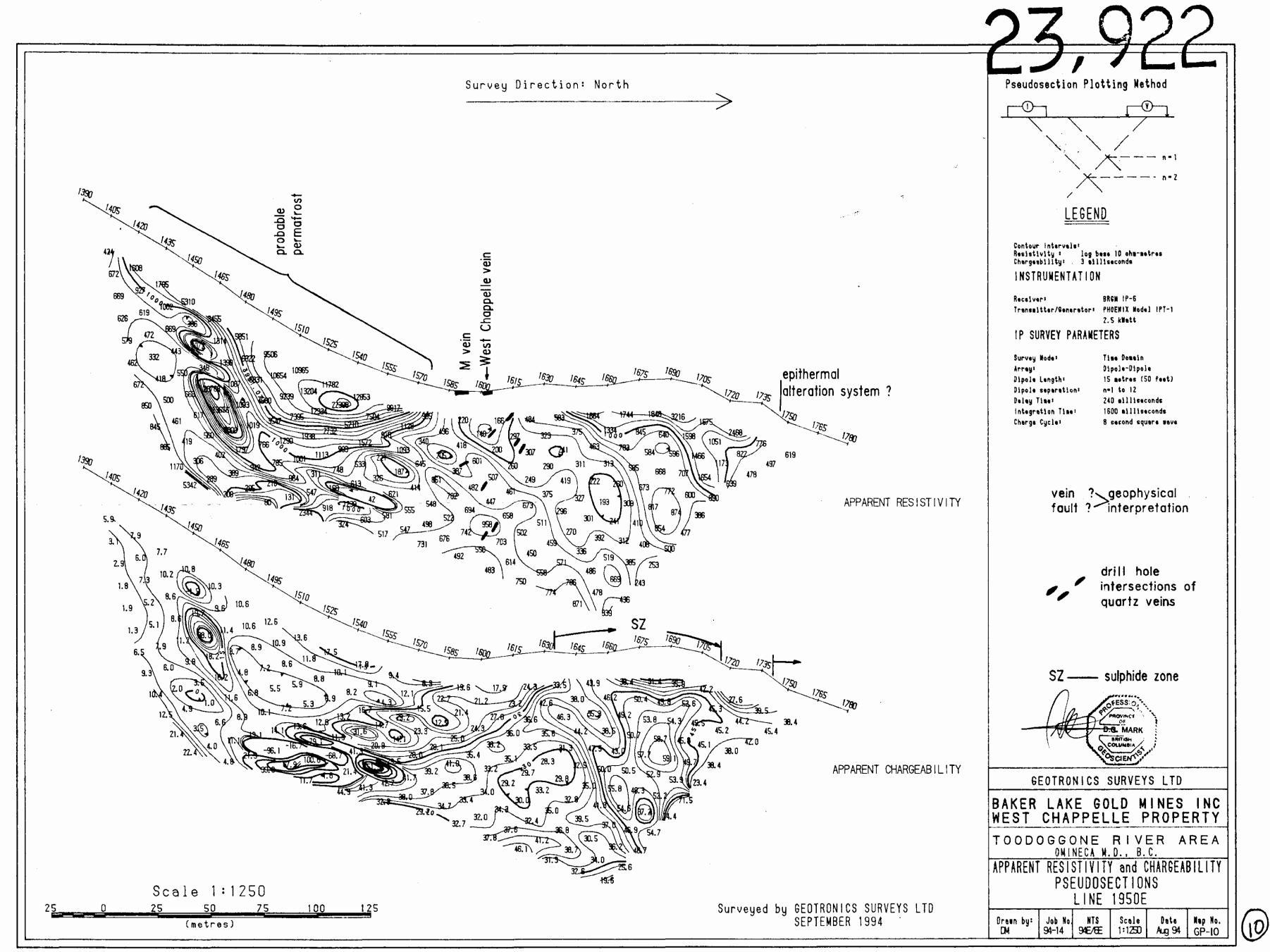
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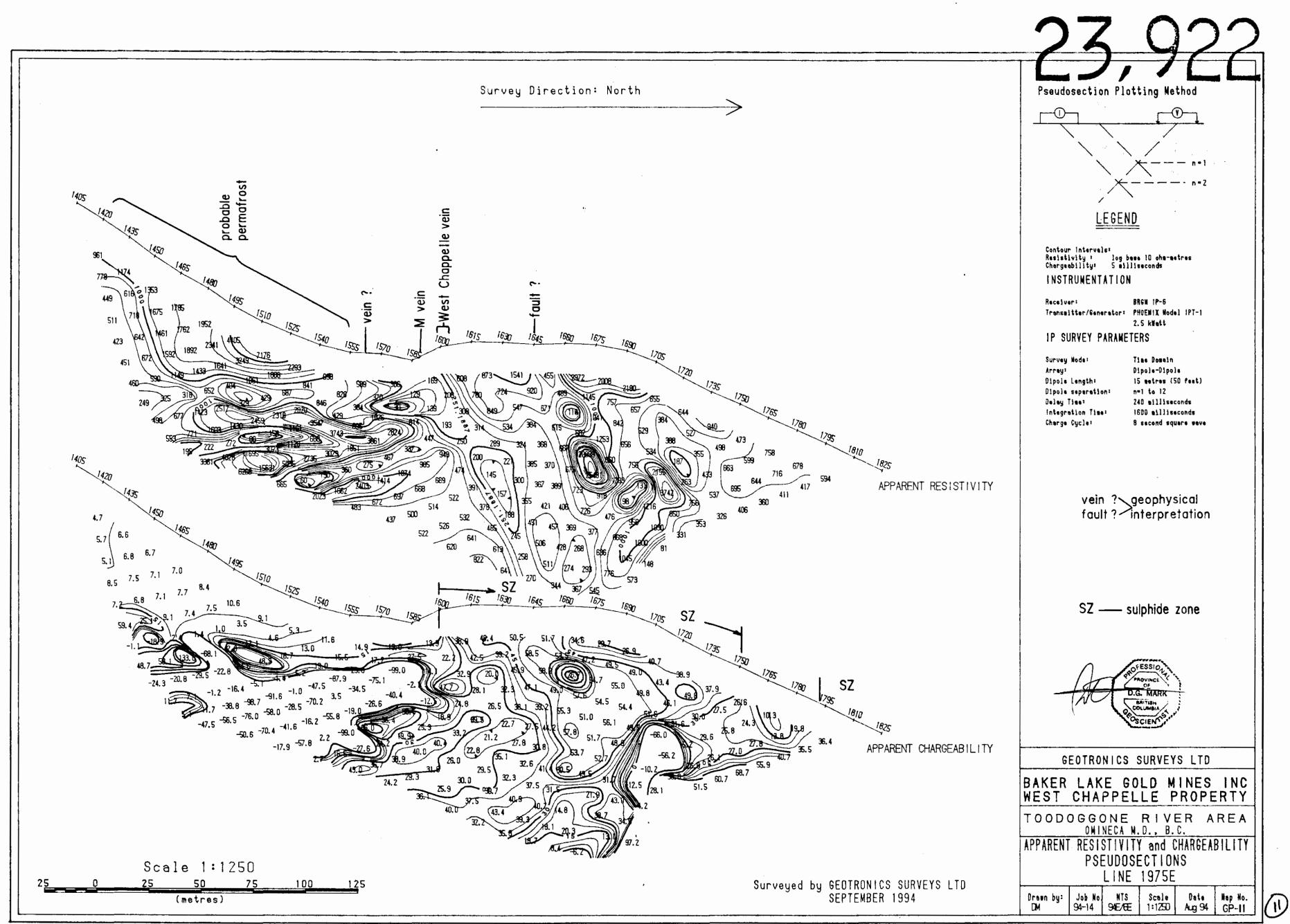


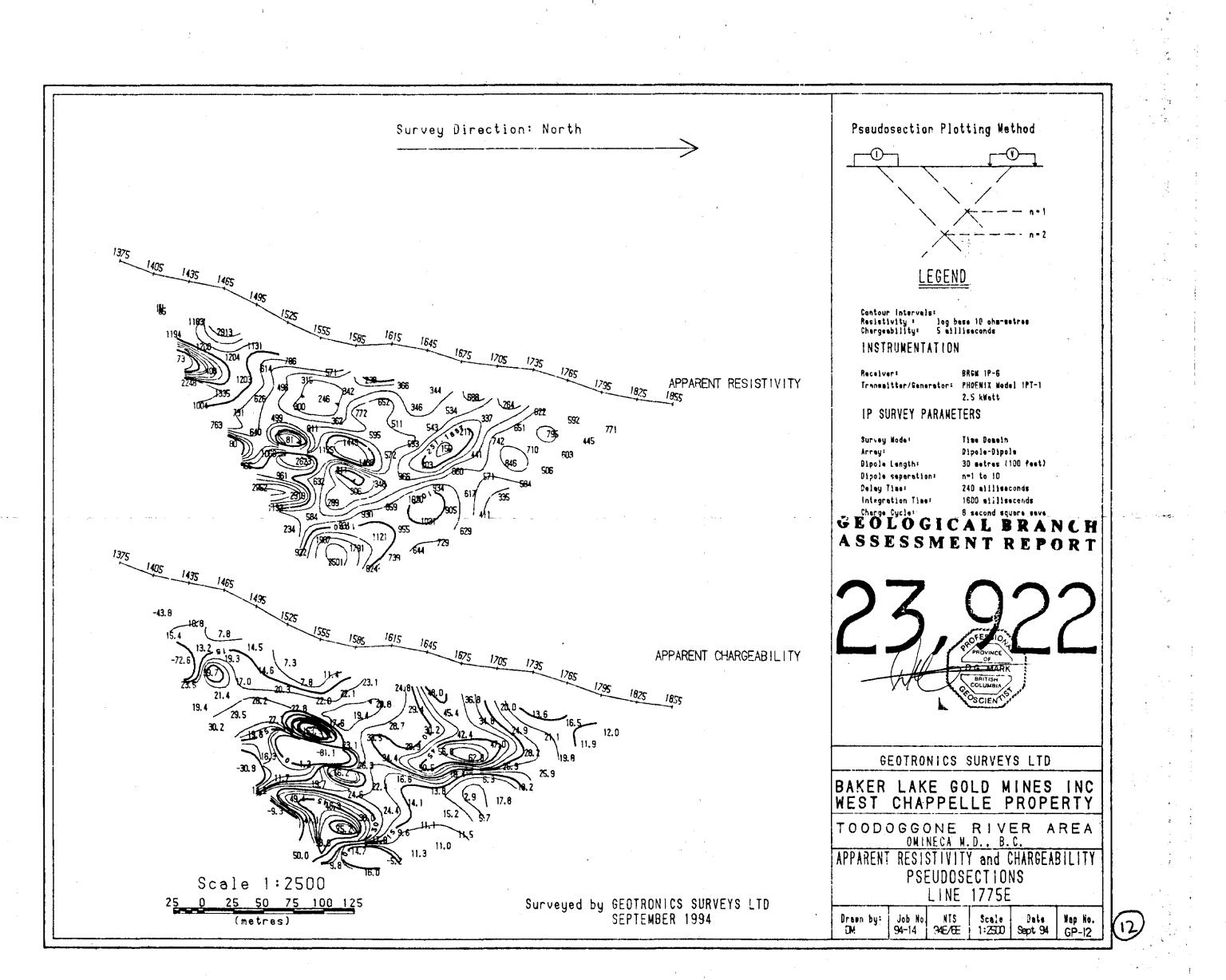
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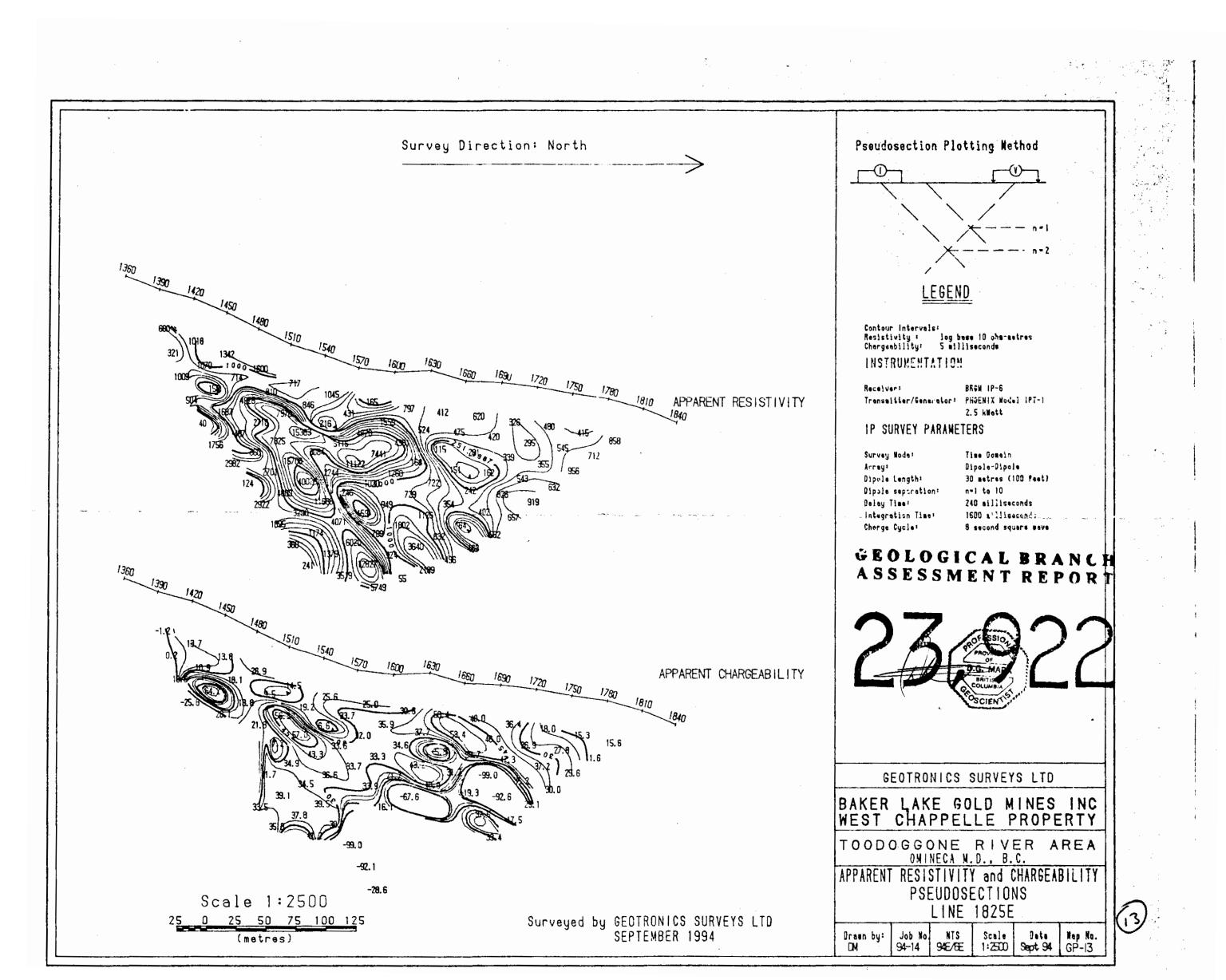
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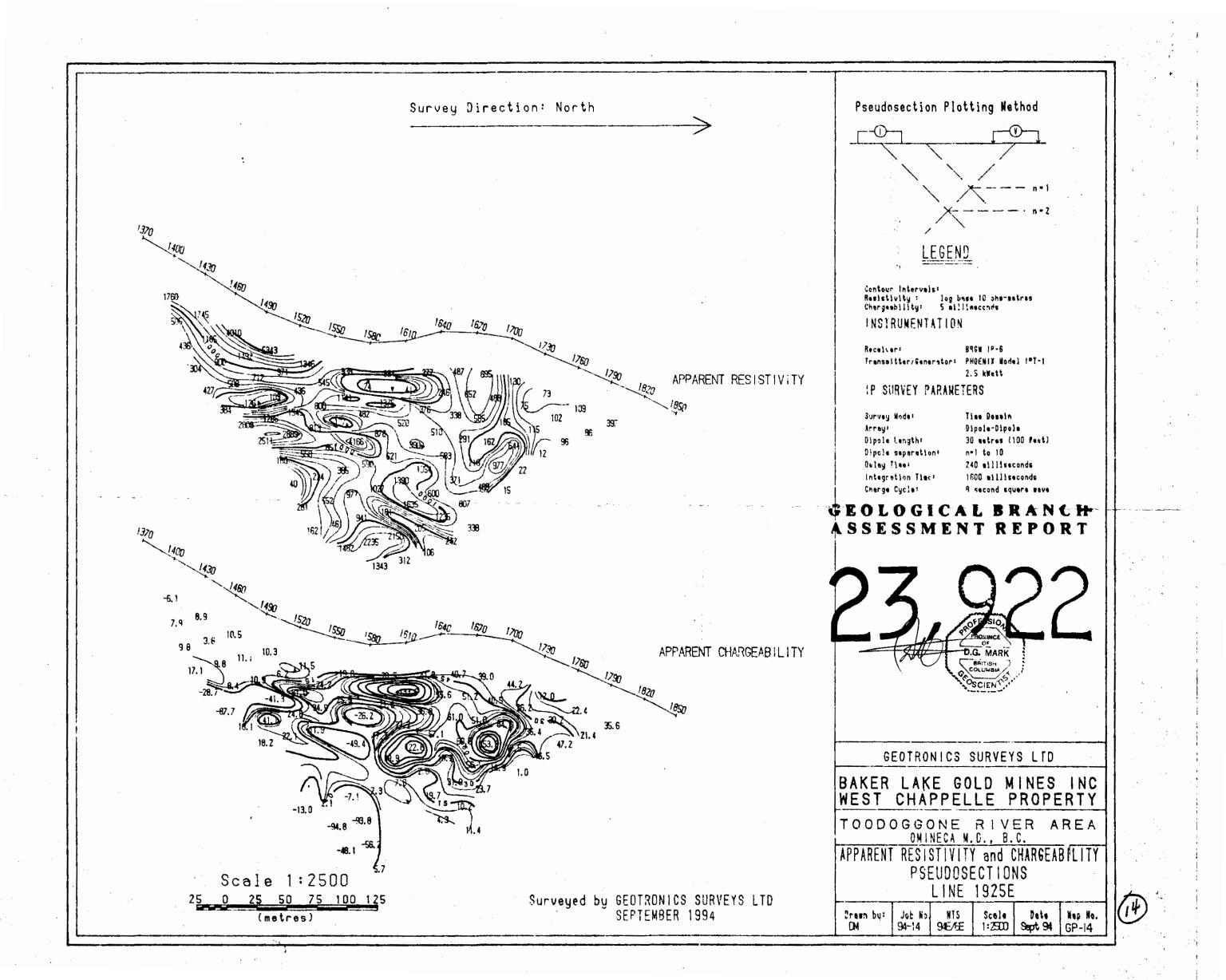


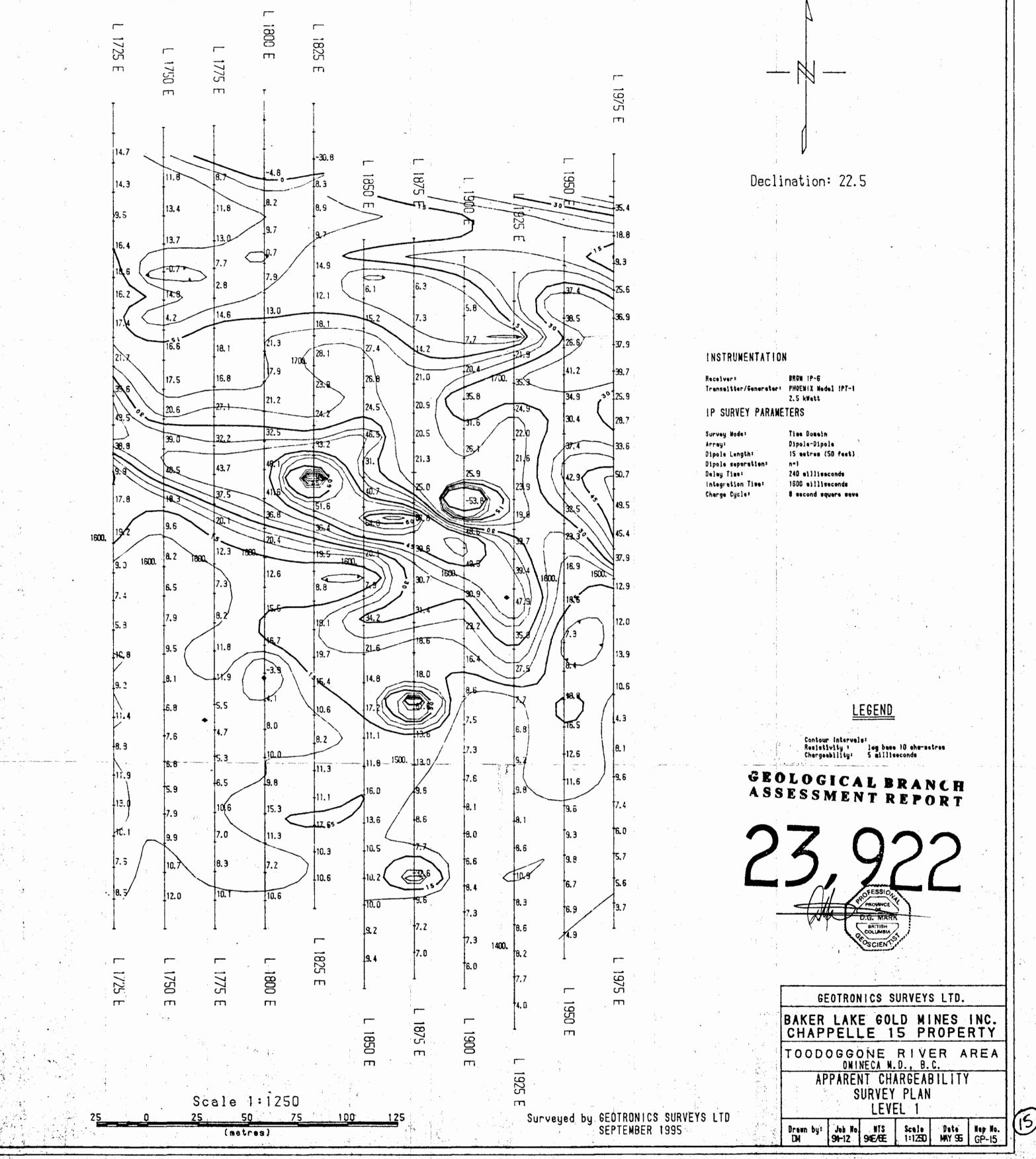
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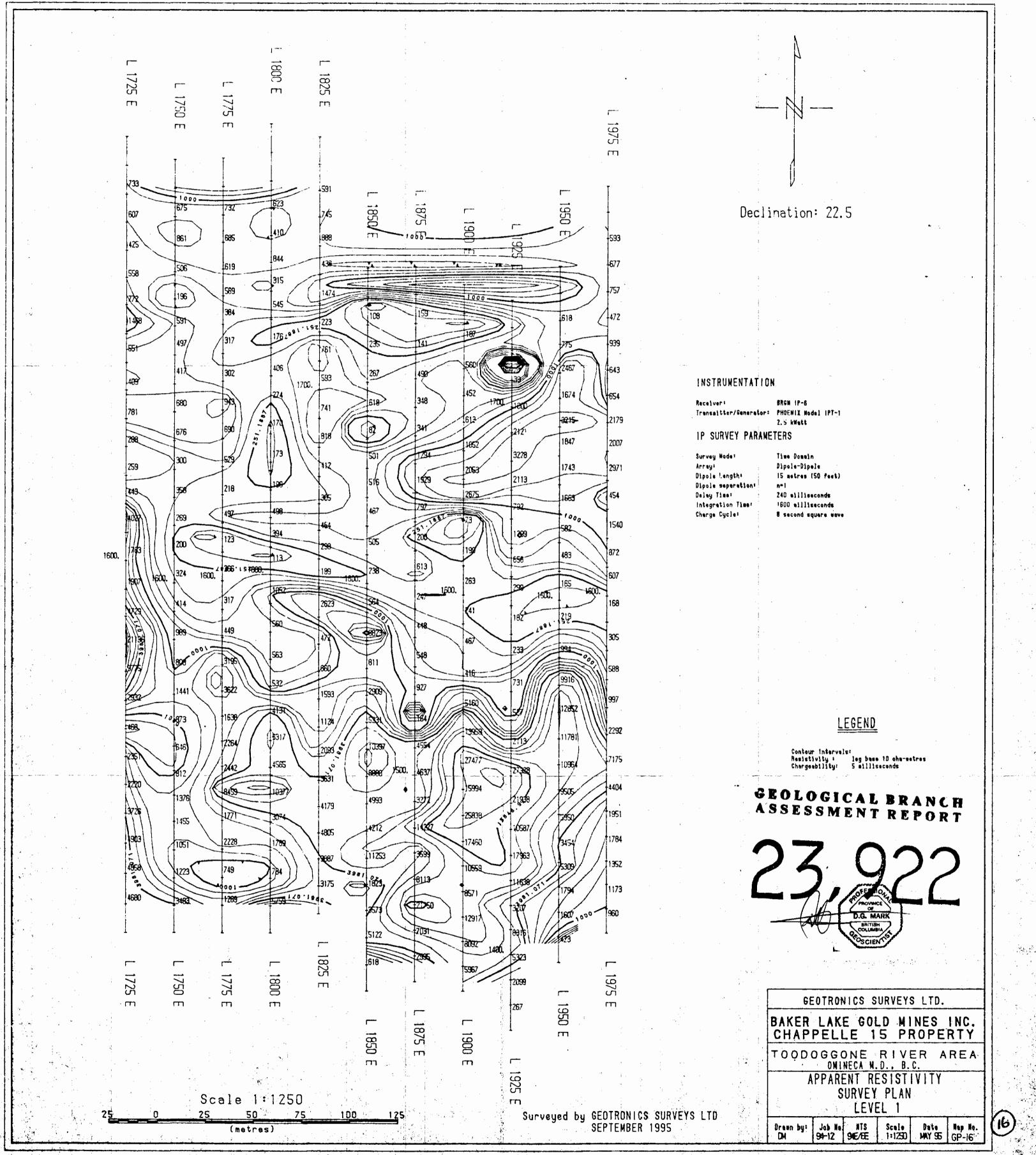












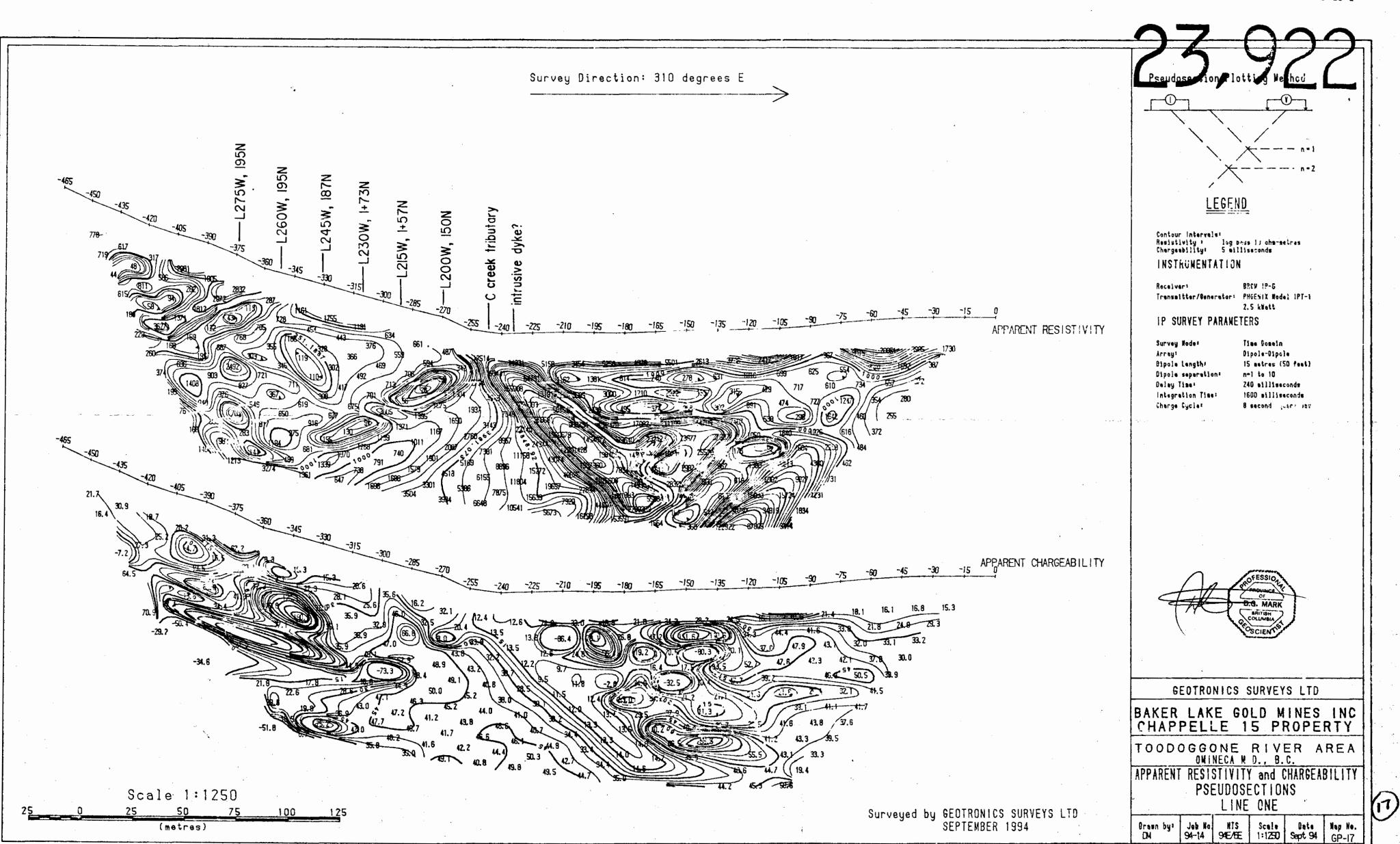
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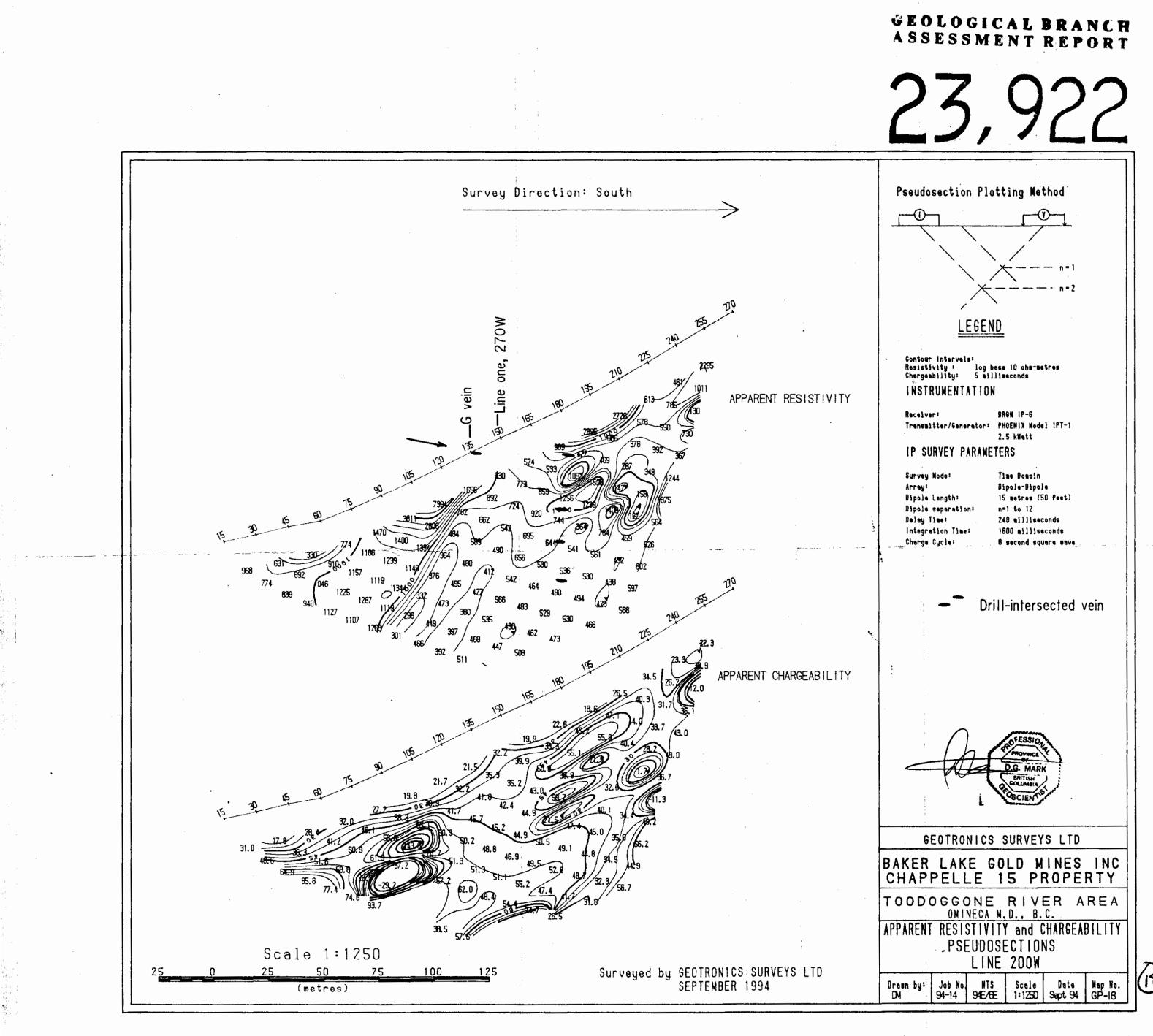
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1.1

Survey Hades	Time Domain
Arrays .	Dipole-Dipole
Dipole Length:	15 metres (50 feet)
Dipole separation:	n=1
Delay Time:	240 milliseconds
Integration Time:	1600 milliseconds
Charge Cycle:	8 second square wave

1

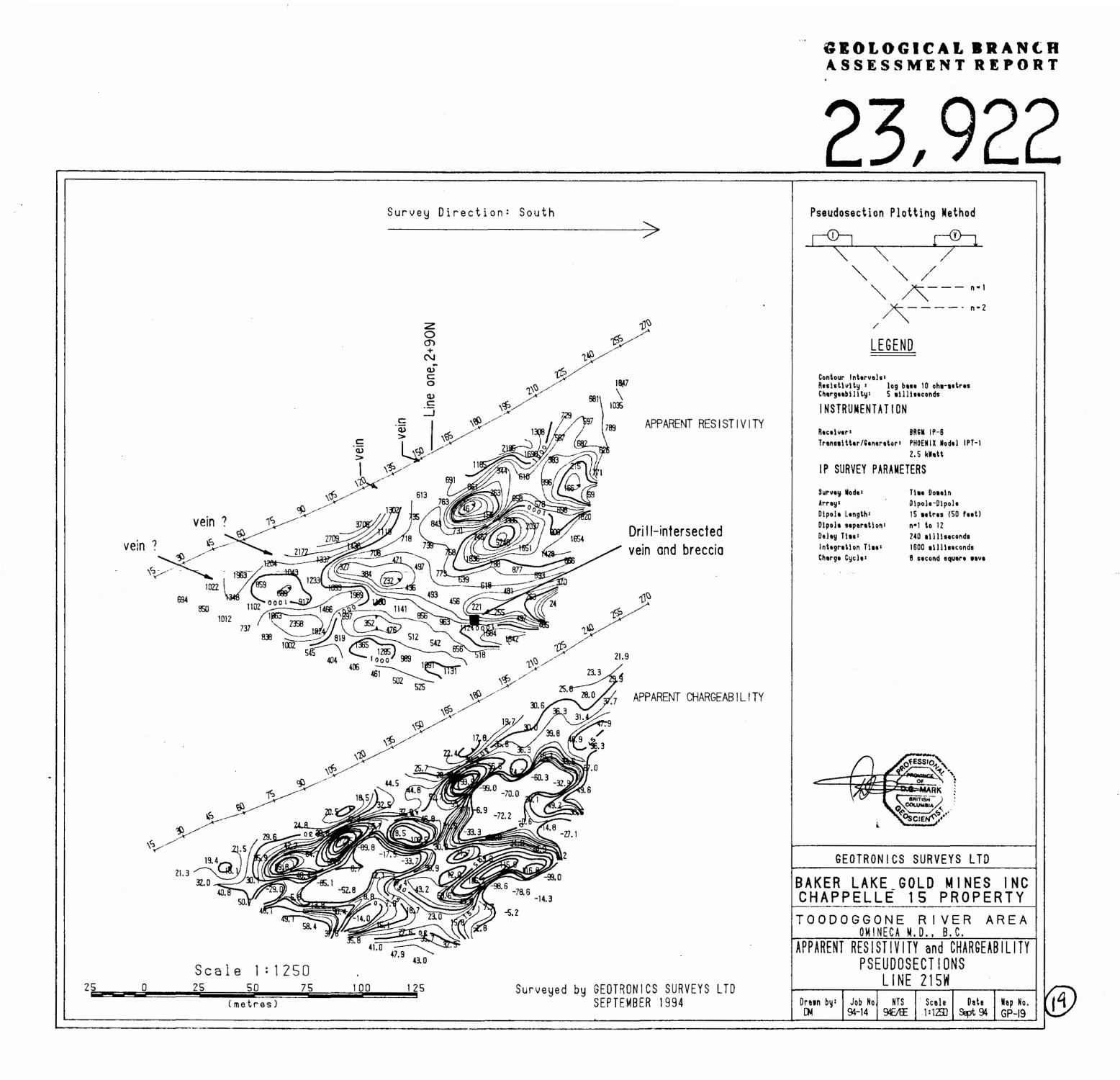


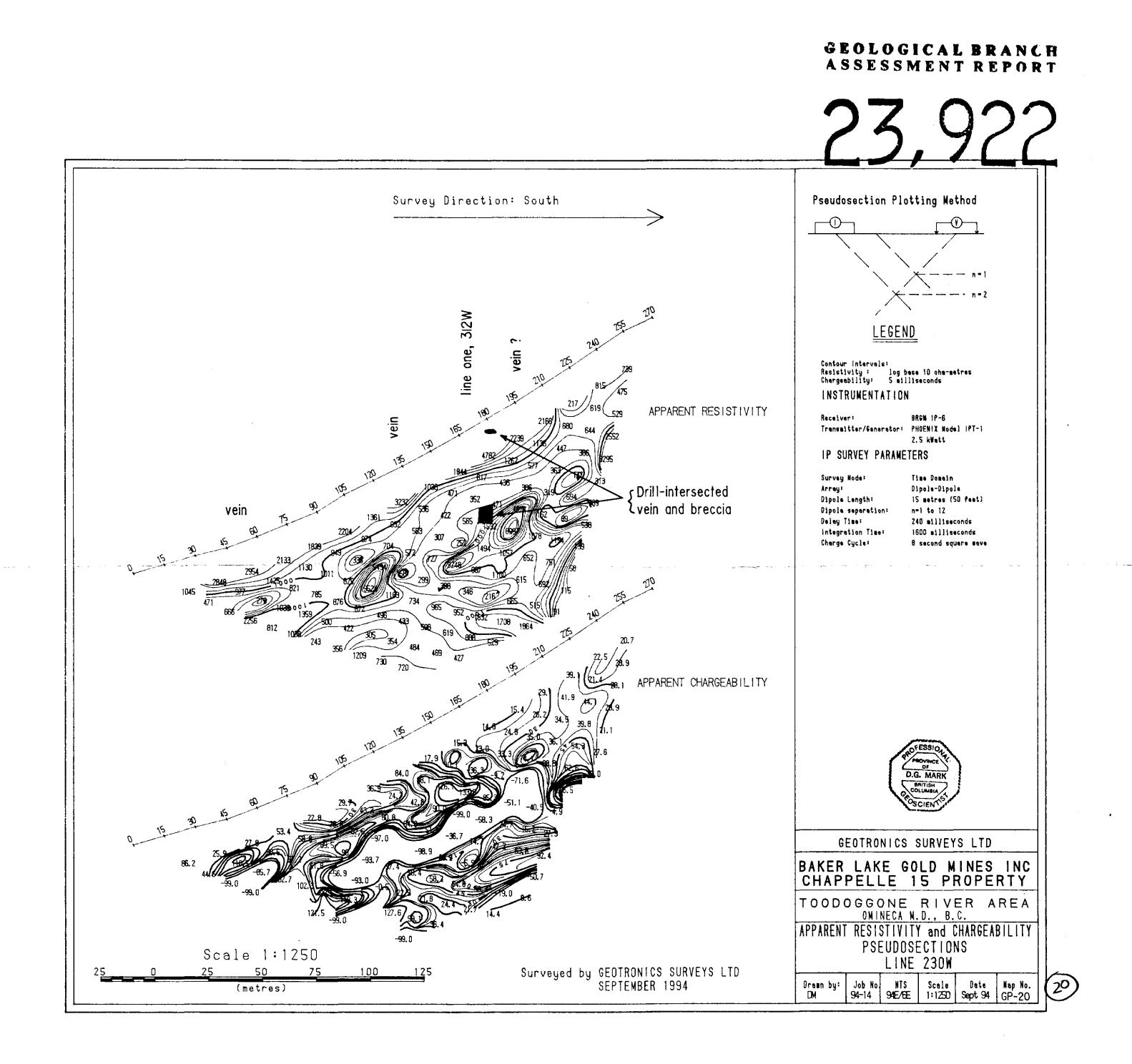


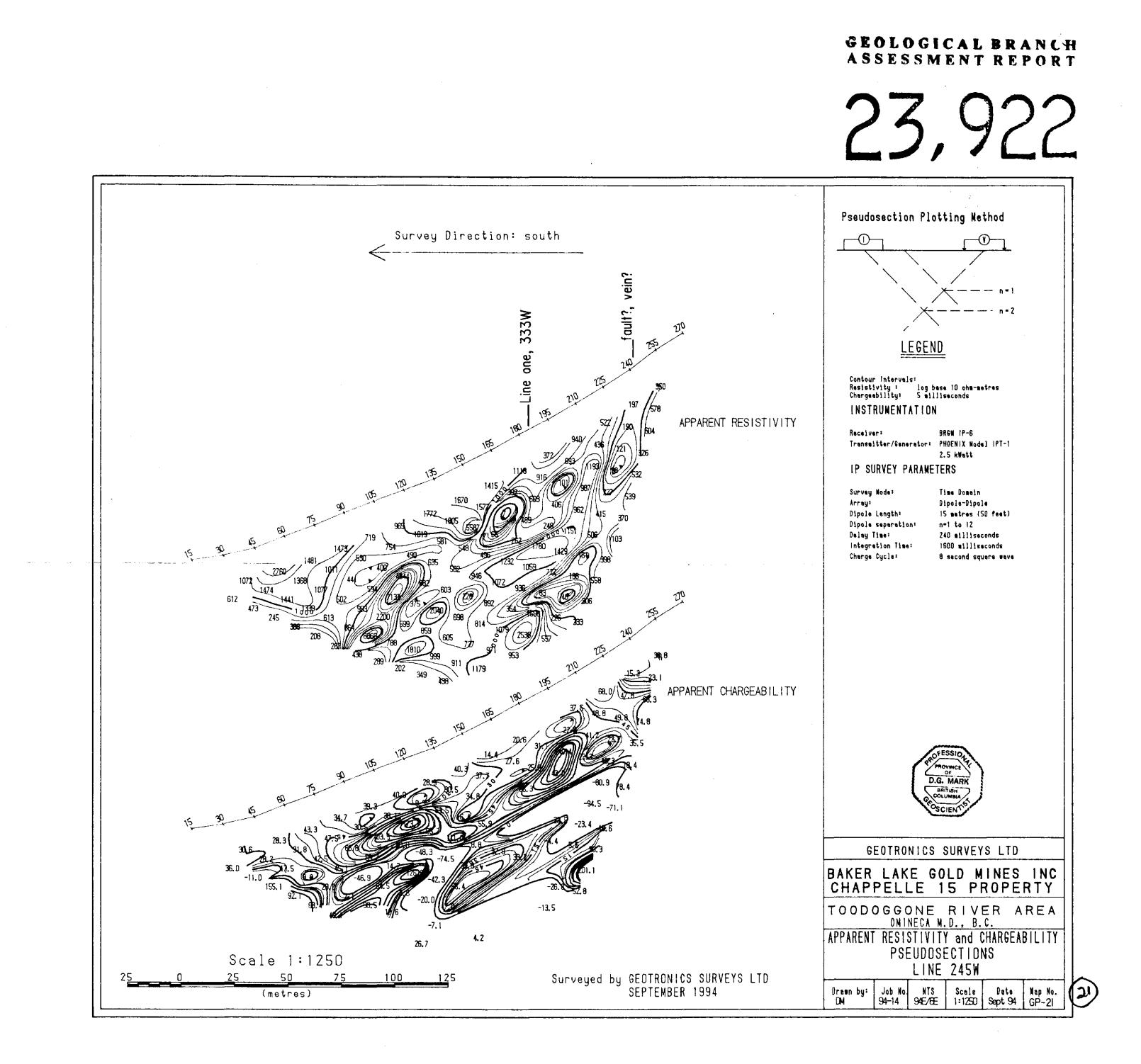
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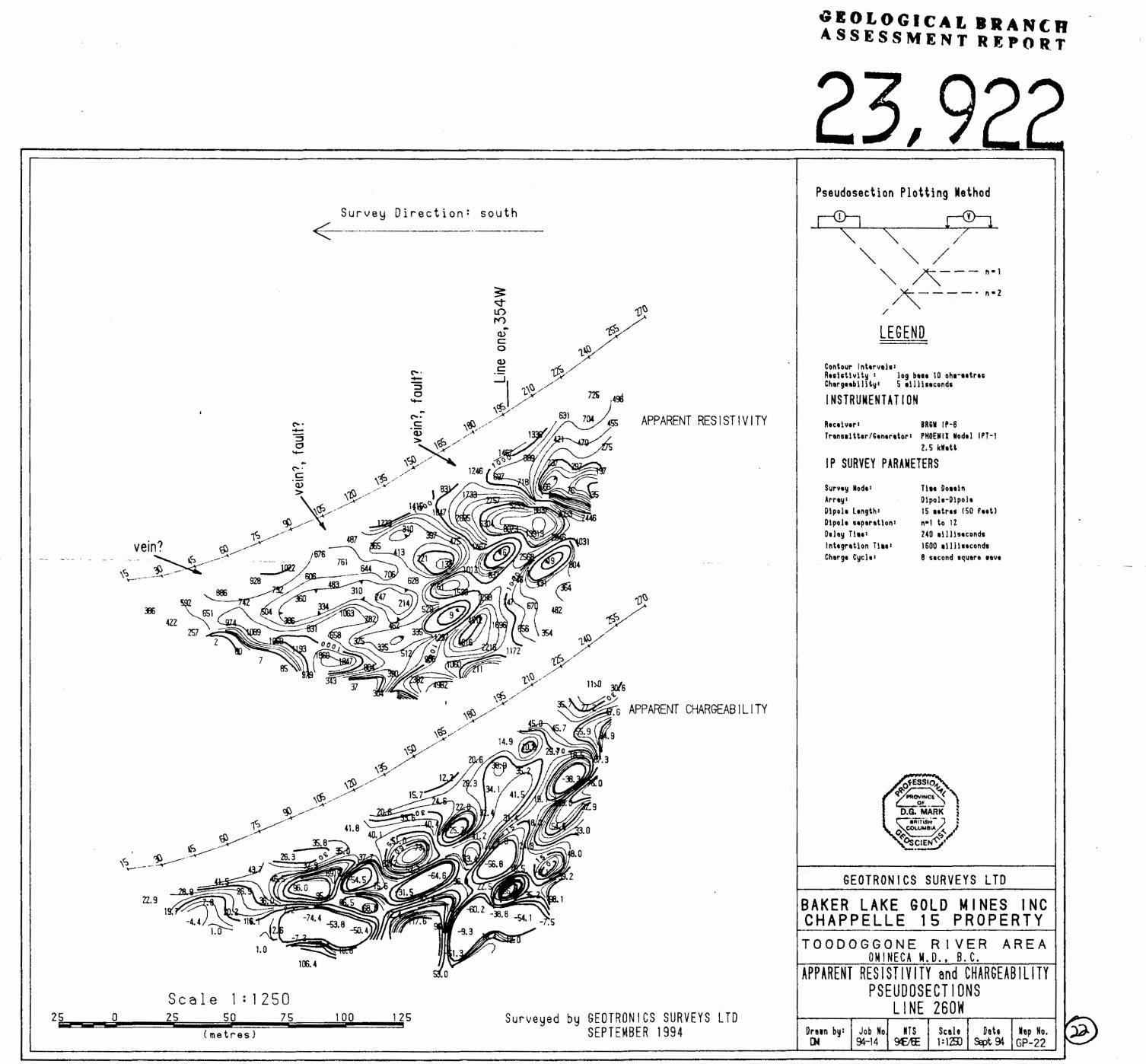
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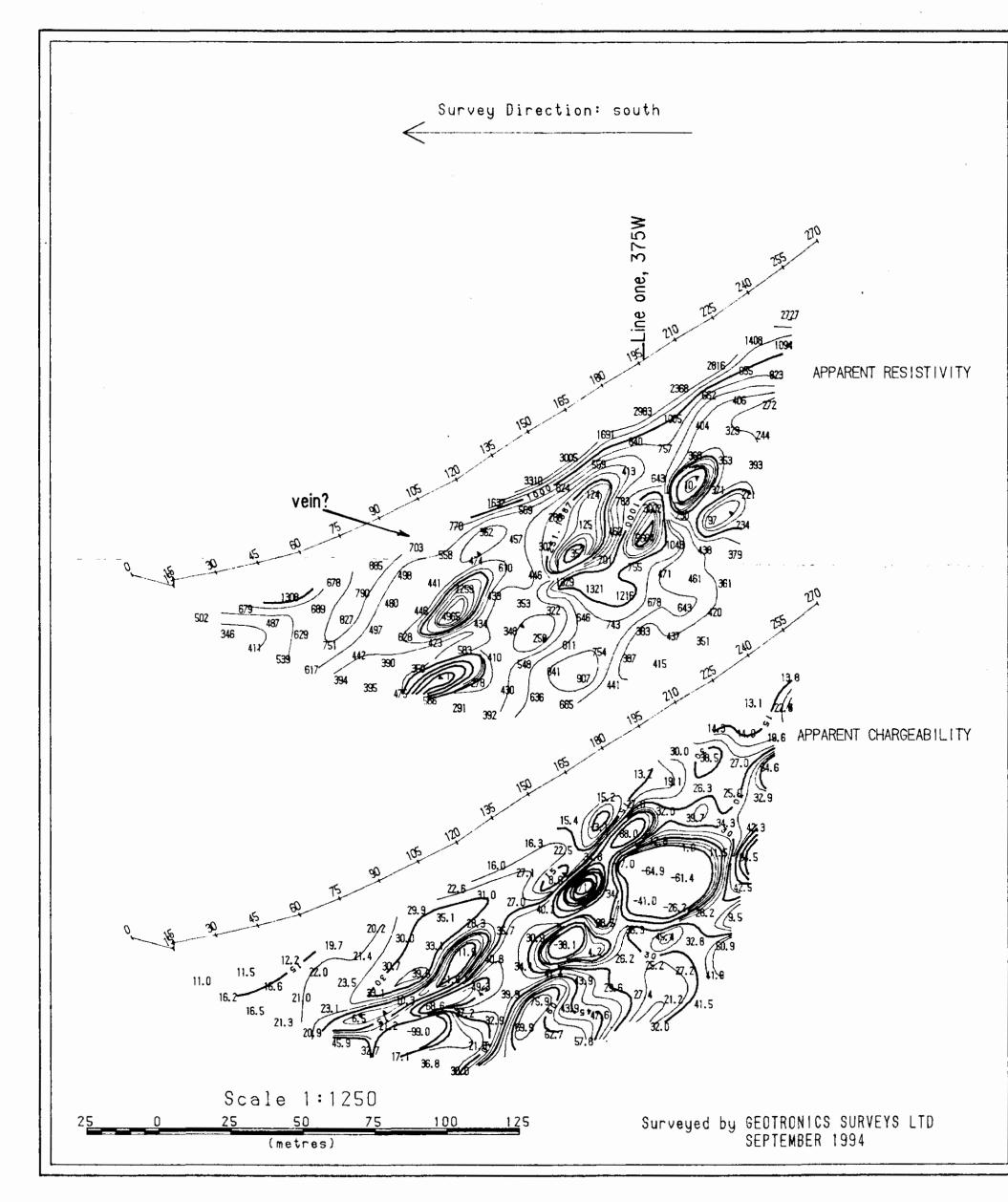
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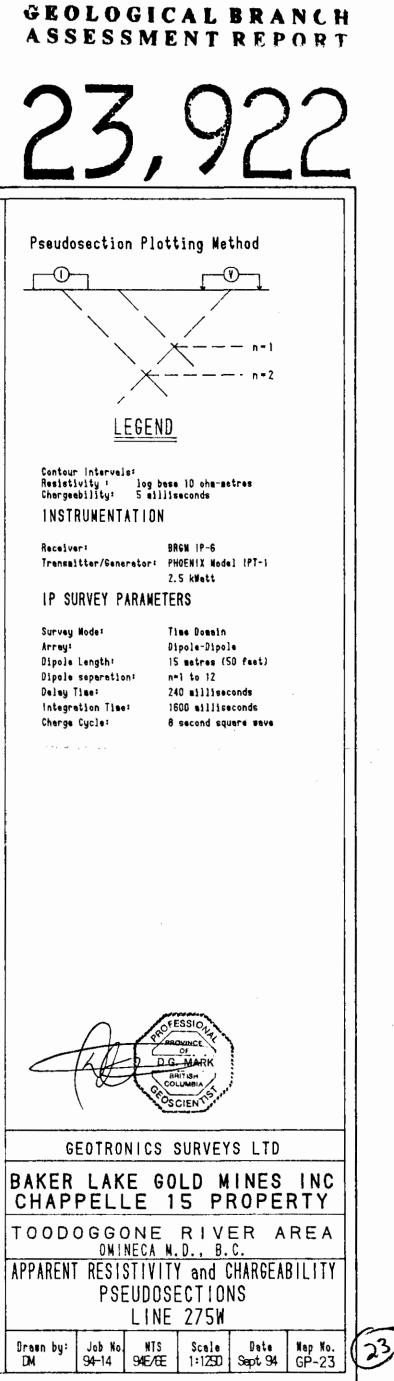












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