LOG NO: 1106	RD.
ACTION:	
FILE NO:	

GEOLOGICAL GEOCHEMICAL, GEOPHYSICAL REPORT

ON THE

HORN PROJECT

LIARD MINING DIVISION

BRITISH COLUMBIA

NTS 104I/5W

58°19'N, 129°39'E

FOR

EQUITY SILVER MINES LIMITED

#13 - 1155 Melville Street

Vancouver, British Columbia

V6E 4C4

SUB-RECORDER
RECEIVED
NOV - 1 1989
M.R. # .... $ ....
VANCOUVER, B.C.

J.F. WETHERILL, B.A. Sc.

October 28, 1989

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,269

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LIST OF FIGURES

1.0 INTRODUCTION

This report presents the results of an exploration program carried out on the Horn group of claims owned by Equity Silver Mines Limited. The program was completed by Stetson Resource Management Corp., under the direction of the writer during July 1989, and consisted of geological, geochemical and geophysical surveys.

1.1 Location and Access

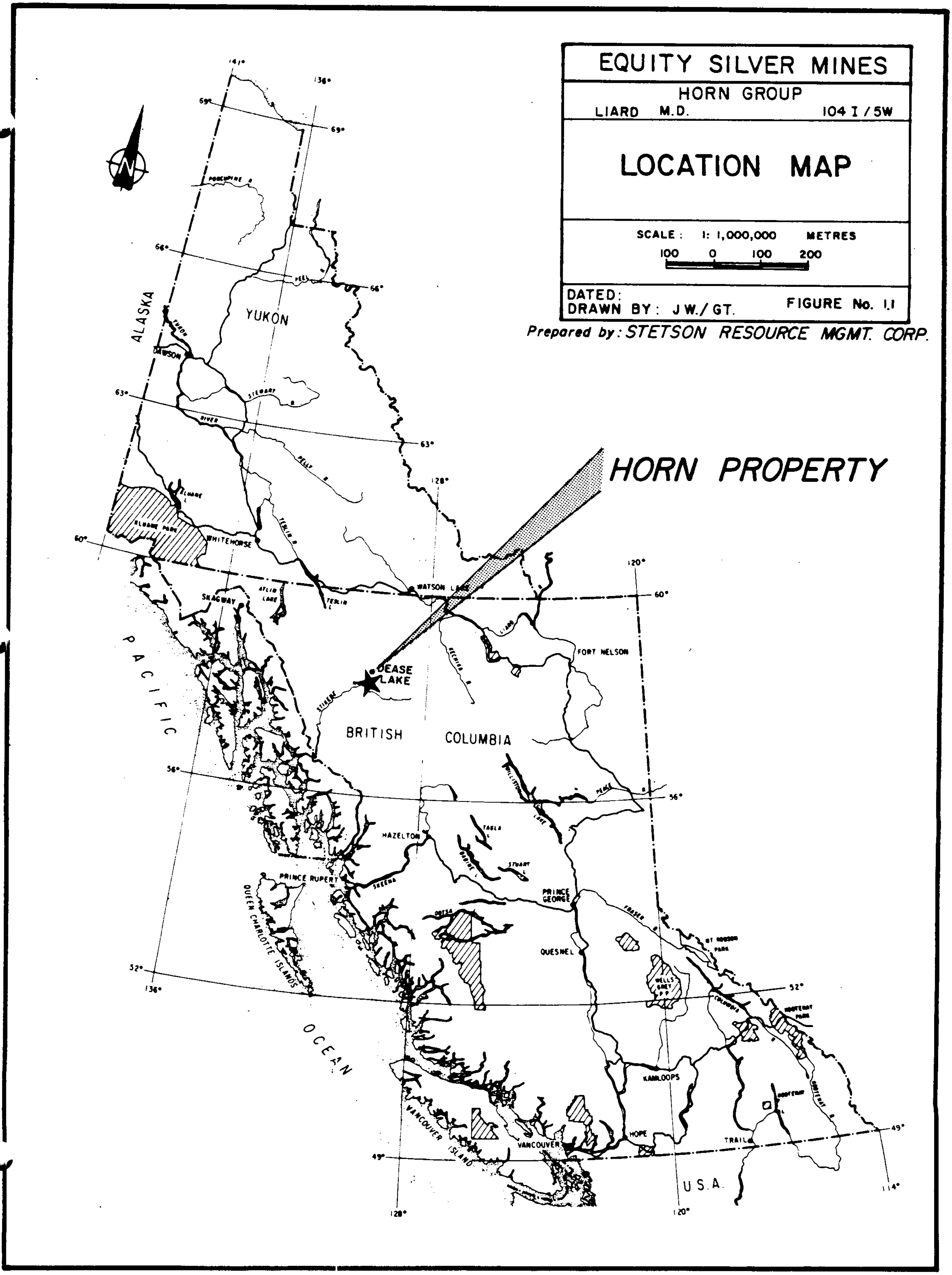
The Horn property claim is situated in the Liard mining division, approximately 32 kilometers southeast of Dease Lake. The property covers 2500 hectares centered at latitude 58°39'W longitude 129°39'W on mapsheet 104I/5W (Fig. 1.1).

Access to the property is via helicopter from Dease Lake airport or from Upper Gnat Lake on the Cassiar Stewart highway which extends from Dease Lake to Stewart. Alternative access is provided by a 20 kilometer cat trail which extends from the Cassiar-Stewart highway to Snowdrift creek.

Groceries, fuel, lumber and general supplies are available to a limited extent in Dease Lake. The remainder may be trucked from Smithers to Dease Lake.

1.2 Physiography, Vegetation and Climate

The Horn property is located in the Cassiar mountain range near the northwestern edge of the Spatzizi Plateau. The region has a relatively dry climate, and snow cover in winter is moderate. The property covers alpine terrain and is above treeline. Elevations, range from 1200 meters along the main property drainage to a maximum of 1300 meters.


EQUITY SILVER MINES
HORN GROUP
LIARD M.D.
104 I / 5W
LOCATION MAP
SCALE : 1: 1,000,000 METRES
100 0 100 200
DATED:
DRAWN BY: J.W./GT.
FIGURE No. 1.1
Prepared by: STETSON RESOURCE MGMT. CORP.
HORN PROPERTY
ALASKA
YUKON
DAWSON
WHITEHORSE
SKAGWAY
WATSON LAKE
FORT NELSON
DEASE LAKE
BRITISH COLUMBIA
PACIFIC OCEAN
HAZELTON
PRINCE RUPERT
PRINCE GEORGE
QUEEN CHARLOTTE ISLANDS
QUESNEL
KAMLOOPS
VANCOUVER ISLAND
VANCOUVER
HOPE
TRAIL
U.S.A.
141°
136°
128°
120°
114°
69°
66°
63°
60°
56°
52°
49°

1.3 Property

The property is covered by 5 "Modified Grid" mineral claims, as per Table 1.

TABLE 1

Claim	Units	Record No.	Expiry Date
T-Horn 74	20	4990	August 3, 1990
T-Horn 75	20	4991	August 3, 1990
T-Horn 76	20	4992	August 3, 1990
T-Horn 78	20	4993	August 3, 1990
T-Horn 80	20	4995	August 3, 1990

1.4 History

The property was explored by Union Mineral Explorations from 1970 to 1973 for its molybdenum potential (Assess. Report # 4644). Kennco Explorations Ltd. explored the eastern portion of the property in 1973 (Asses. Report #3538), and in 1975, Utah Mines Ltd. explored the central portion of the property. Seranna Resources Ltd. explored the eastern portion of the property in 1982 (Asses. Report #10,923). These programs included soil and stream sediment sampling, geological mapping. IP geophysical surveys, and diamond drilling.

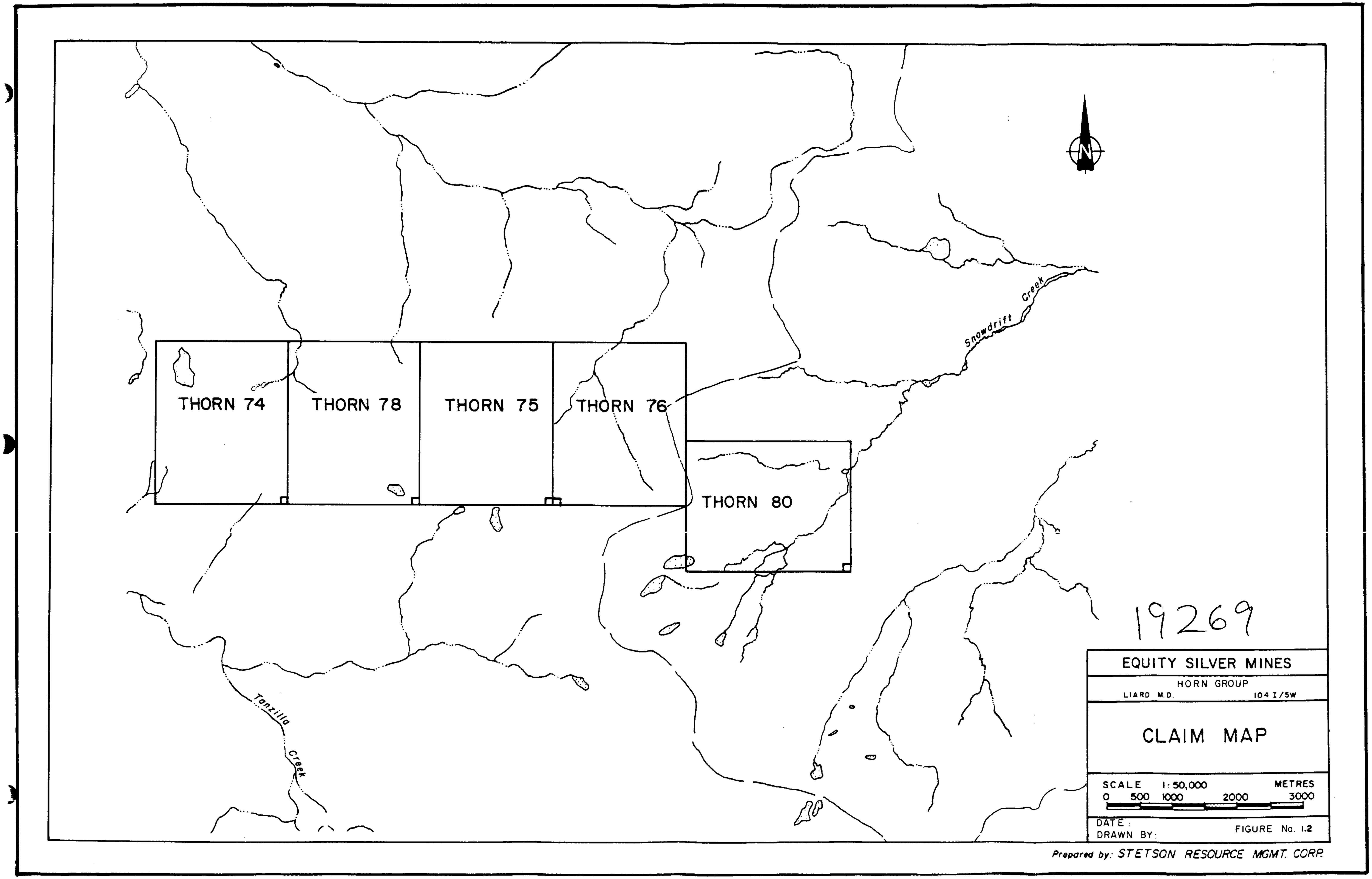
1.5 1989 EXPLORATION PROGRAM

In 1989, an exploration program was undertaken by a geological field crew of 8 men employed by Stetson Resource Management Corp., under the direction of the writer. Geological, geochemical, and geophysical surveys carried out between July 24 and July 31, 1989.

1.5.1 Grid Establishments

A total of 24.1 line kilometers in two grids was established on the T-Horn 76 claim in 1989 using sight line and hip-chain and compass methods. The baseline connecting the grids is oriented N45°W, and has a total length of 3.0 kilometers (Fig. 2.1).

Gridlines are established at 100 meter intervals along the baseline, from L0+005 to L10+005, and from L22+005 tp L30+005, and are oriented N45°E. Stations on the


THORN 74
THORN 78
THORN 75
THORN 76
THORN 80
Snowdrift Creek
Tanzilla Creek
N
19269
EQUITY SILVER MINES
HORN GROUP
LIARD M.D.
104 I/5W
CLAIM MAP
SCALE 1:50,000
METRES
0 500 1000 2000 3000
DATE:
DRAWN BY:
FIGURE No. 1.2
Prepared by: STETSON RESOURCE MGMT. CORP.

gridlines are established at 25 meter intervals. All stations are slope corrected and marked by pickets, aluminium tags, and fluorescent pink flagging.

1.5.2 Geological Survey

The Property was mapped by J. Wetherill and B. Dynes at a scale of 1:10,000. Geological areas of interest defined by this mapping were then covered on a 1:2,500 scale. Mineralized and altered zones were mapped in detail at scales of 1:250 and 1:500.

Both grids were traversed and mapped with outcrop locations surveyed to the grid coordinates.

1.5.3. Geochemical Surveys

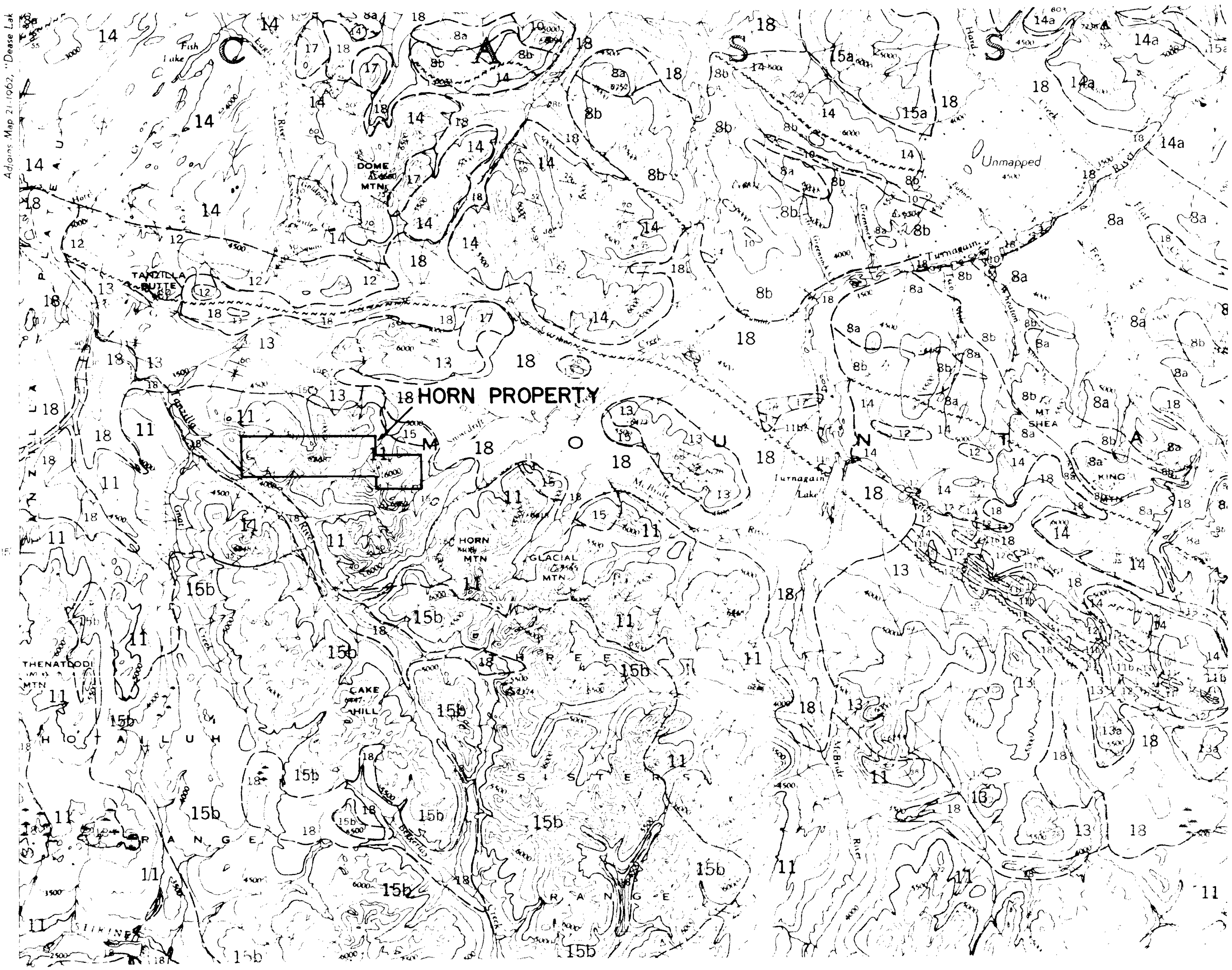
A total of 72 talus and 2 soil bulk heavy mineral concentrate samples were collected from four contour lines crossing the two grids. The samples were analyzed for gold and 29 elements by fire assay and geochemical techniques.

130 rock chip samples of all major lithologies were collected and analyzed for Au and 29 elements. Five of these samples were also analyzed for Hg.

All rock samples were analyzed by geochemical and fire assay techniques. Samples with greater than 50 ppm Ag or greater than 2000 ppm Cu were re-analyzed by one ton fire assay techniques. All geochemical analyses are appendixed.

2.1 Regional Geology

The Horn property is situated to the northwest of the Spatzizi Plateau, in the Cassiar Mountain Range of the Intermontaine Belt. The region is characterized by a sequence of Pre-Cretaceous rocks (described by Gabrielse 1962, 1978) that comprise:



CENOZOIC

QUATERNARY
PLEISTOCENE AND RECENT

18	Fluviatile gravel, sand, and silt; glacial outwash; till and alpine moraine

TERTIARY AND QUATERNARY
LATE TERTIARY AND PLEISTOCENE

17	Basalt, olivine basalt; 17a, rhyolite, pisolitic siliceous tuff, chalcedonic rhyolite breccia

MESOZOIC

CRETACEOUS AND TERTIARY
UPPER CRETACEOUS AND PALEOCENE

16	Conglomerate, sandstone, shale; 16a, conglomerate, may be younger

JURASSIC AND/OR CRETACEOUS

15	Undifferentiated granitic rocks, mainly quartz monzonite; 15a, CASSIAR BATHOLITH: mainly biotite quartz monzonite; and granodiorite, commonly gneissic and mafic-rich near contacts with 8 and 8a; 15b, mainly hornblende quartz monzonite and granodiorite

JURASSIC
LOWER JURASSIC

14	Well bedded greywacke, phyllitic slate, conglomerate; 14a, includes minor limestone; mainly metamorphosed, age uncertain
13	Well bedded greywacke, sandstone, siltstone, shale, conglomerate; 13a, includes volcanic rocks, may be in part older

TRIASSIC
UPPER TRIASSIC

12	Well bedded, locally fetid limestone

UPPER TRIASSIC AND(?) EARLIER

11	Andesite, basalt, tuff, breccia, volcanic sandstone and conglomerate; minor greywacke, argillite and shale; many small stocks, sills, and dykes of porphyritic andesite and basalt, mainly Upper Triassic; 11a, greenstone; 11b, chert, slate, greenstone, phyllite; 11c, serpentinized peridotite; 11b and 11c may be pre-Upper Triassic and post-Permian, or, may be equivalent to 8a and 8b

PALAEOZOIC

PERMIAN

10	Well bedded to massive, crystalline, foraminiferal limestone

MISSISSIPPIAN
LOWER AND MIDDLE MISSISSIPPIAN

9	Limestone, cherty limestone; minor dolomite and greywacke

DEVONIAN AND MISSISSIPPIAN
UPPER DEVONIAN AND LOWER MISSISSIPPIAN

8	Chert, argillite, argillaceous quartzite, greenstone, diorite, meta-diorite, conglomerate, limestone; 8a, may be in part or entirely younger; 8b, serpentinized peridotite, locally includes meta-andesite and meta-diorite; 8c, biotite-muscovite-quartz schist and gneiss, feldspar-quartz gneiss, quartz-biotite schist, amphibolite; 8d, greenstone, age uncertain

SILURIAN AND DEVONIAN
SILURIAN, LOWER(?) AND MIDDLE DEVONIAN

7	Graptolitic siltstone, Silurian; well bedded, laminated dolomite, sandy dolomite, dolomitic sandstone; well bedded limestone, fetid dolomite, Middle Devonian

SILURIAN

6	Dolomite, cherty dolomite, sandy dolomite, dolomitic sandstone

CAMBRIAN AND ORDOVICIAN
MIDDLE AND UPPER CAMBRIAN, LOWER AND MIDDLE ORDOVICIAN

5	Thin-bedded shale, limestone, calcareous shale, argillaceous limestone, graptolitic shale; includes minor bodies of greenstone

CAMBRIAN
LOWER CAMBRIAN

4	Limestone, dolomite, oolitic limestone; minor shale
3	Quartzite, shale, siltstone, pebble conglomerate

EQUITY SILVER MINES

HORN GROUP

LIARD M.D. 104 I/5W

REGIONAL GEOLOGY

SCALE 1: 250,000

0 5 10 15 KM

DATED: October 1989
DRAWN BY /GT

FIGURE No 1.3

1. Upper Triassic and Lower Jurassic porphyritic (feldspar) andesite, agglomerate, breccia, tuff, and small dikes, sills, and stocks of porphyritic andesite.

2. Upper Triassic Stuhini Group augite and coarse-bladed plagioclase porphyry breccia and flows; local basal conglomerate, siltstone, and greywacke.

These rocks are intruded by younger dioritic and granodioritic phases of the Holtailuh Batholith of Jurassic age. Extensive erosion preceded deposition of Takwahoni Formation sedimentary rocks which include basal conglomerate, and greywacke and shale. Remnants of Neogene basalt, olivene basalt, and intercalated tuff believed to be a stratovolcano assemblage cover several valleys in the region.

The most prominent structural features in the region are the major west-northwest trending thrust faults which cross the Cry Lake map sheet. The northern Nahlin Fault forms the northern boundary of the Atlin Horst, separating Pre-Upper Triassic sedimentary rocks to the north, from volcanic and sedimentary Stuhini Group rocks to the south. A minimum of 6,100 meters of vertical displacement is estimated since Middle Jurassic time.

South and subparallel to the Nahlin Fault, the King Salmon thrust fault crosses the Cry Lake map sheet. The fault is Middle to Upper Jurassic in age and thrusts Upper Triassic Sinwa Formation units southward over Lower Jurassic Takwahoni rocks.

2.0 GEOLOGY

2.2 Property Geology

Outcrop exposure on the Horn Mountain property is generally good at higher elevations and along ridges, however relationships between various lithological units are ambiguous due to masking alteration scree covering most slopes. Lower elevations are covered by thick overburden, with sparse outcrop exposures in deeper cut creek channels.

Geological mapping carried out in 1989 is plotted on figure 2.1 at a scale of 1:10,000. Several detailed maps are keyed to figure 2.1 which show areas mapped at smaller scale. Descriptions of the rock units mapped on the property are listed below.

(TJa) Porphyritic Andesite

Most of the property is underlain by massive to agglomeratic grey-green porphyritic (feldspar) andesite. White plagioclase phenocrysts range from 0.5 to 2.0mm, and are sub-angular to lath shaped. 1-2% pyrite is observed as fine disseminations. The color index is commonly 30 to 40. The best unaltered exposures of andesite, outcrops along the northeast ridge and is covered by gridlines L3+00S, L4+005 and L5+005. Orientation of these volcanics are not readily discernable, but a general trend of N45W with a shallow dip to the south is observed at a distance. The andesite is in contact with granodiorite (mJgd) to the north of the north grid, but the contact itself is masked by scree. Outcrops are lightly to moderately weathered, generally competent, with only occasional sheaving.

(TJma) Megaphyric Basalt

Light grey weathering, megaphyric (feldspar) basalt flows from a broad knoll to the south of the south grid. The basalt is quite fresh, with only a thin rind of kaolinized feldspars. White, fresh plagioclase megacrysts, 1 to 3 cm in length are subangular and lath-shaped, and lie in a black to dark green basaltic matrix. Round vugs in the matrix are partially to completely quartz-filled. These basalts overlie the porphyritic andesites (Tja), and probably represent late small scale activity.

(TJt) Crystal Lithic Tuff

Within the andesite are small beds of fine-grained, black to dark grey crystal lithic ash tuff with welded textures. Rough composition is estimated in hand specimen to be 60% glass shards, 15% andesite fragments, and 35% crystals and crystal fragments. Exposures of the tuff were observed along the northeast ridge of the north grid, and along L32 creek which drains the south grid. Areas of intense silicic alteration or silica dyke intrusions are found proximal to the tuff on the property.

(TJad) Mafic dykes

Small outcrops of andesitic dyke are exposed along the ridge running northwest across the northern grid. The dyke rock is find-grained, massive, light grey to green, and lightly weathered. White plagioclase crystals are unaltered and mafics are only weakly chloritized. Fracture surfaces are calcite coated and the matrix exhibits weak carbonitization. Color index ranges from 20 to 40. The dykes are post silicification and argillization and may or may not be related to he porphyritic andesite (TJa).

(mJgd) Granodiorite

Medium crystallic, equigranular biotrite hornblende granodiorite contacts the porphyritic andesite (TJa) to the north of the north grid. Light weathered surfaces are dark grey-green, and fracture surfaces ae weakly liminitic. The color index is 20 to 30 with roughly 2% pyrite.

(TJha) Hornfelsed Volcanics

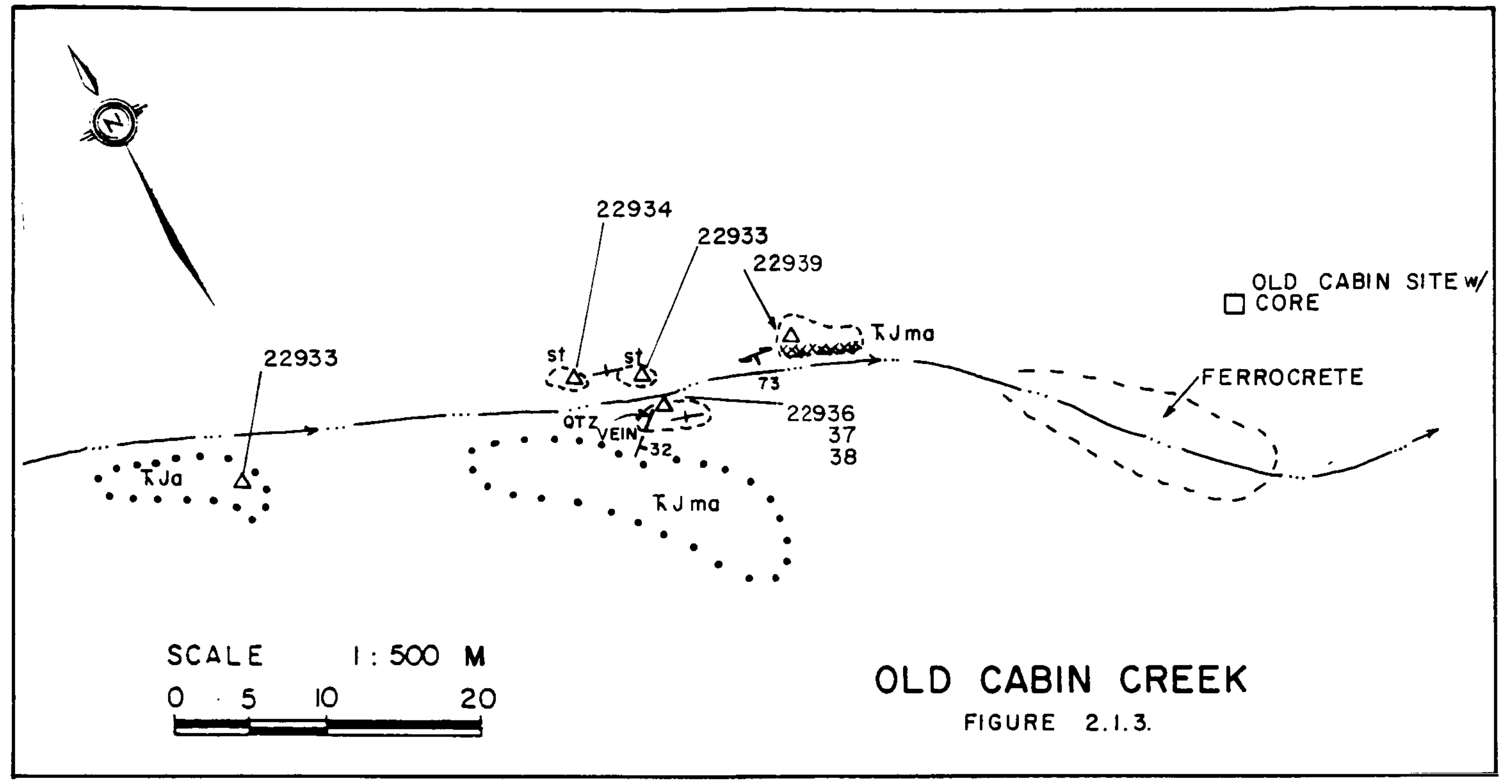
Fine grained, hard, dark green to black albrite and epidote hornfelsed volcanics form a large steep sloped knoll west of the south grid area. Although very fine-grained, mild hornfelsing of the rocks observed on the north grid suggest the protolith is porphyrite andesite.

(ts) Talc-Sericite Schist

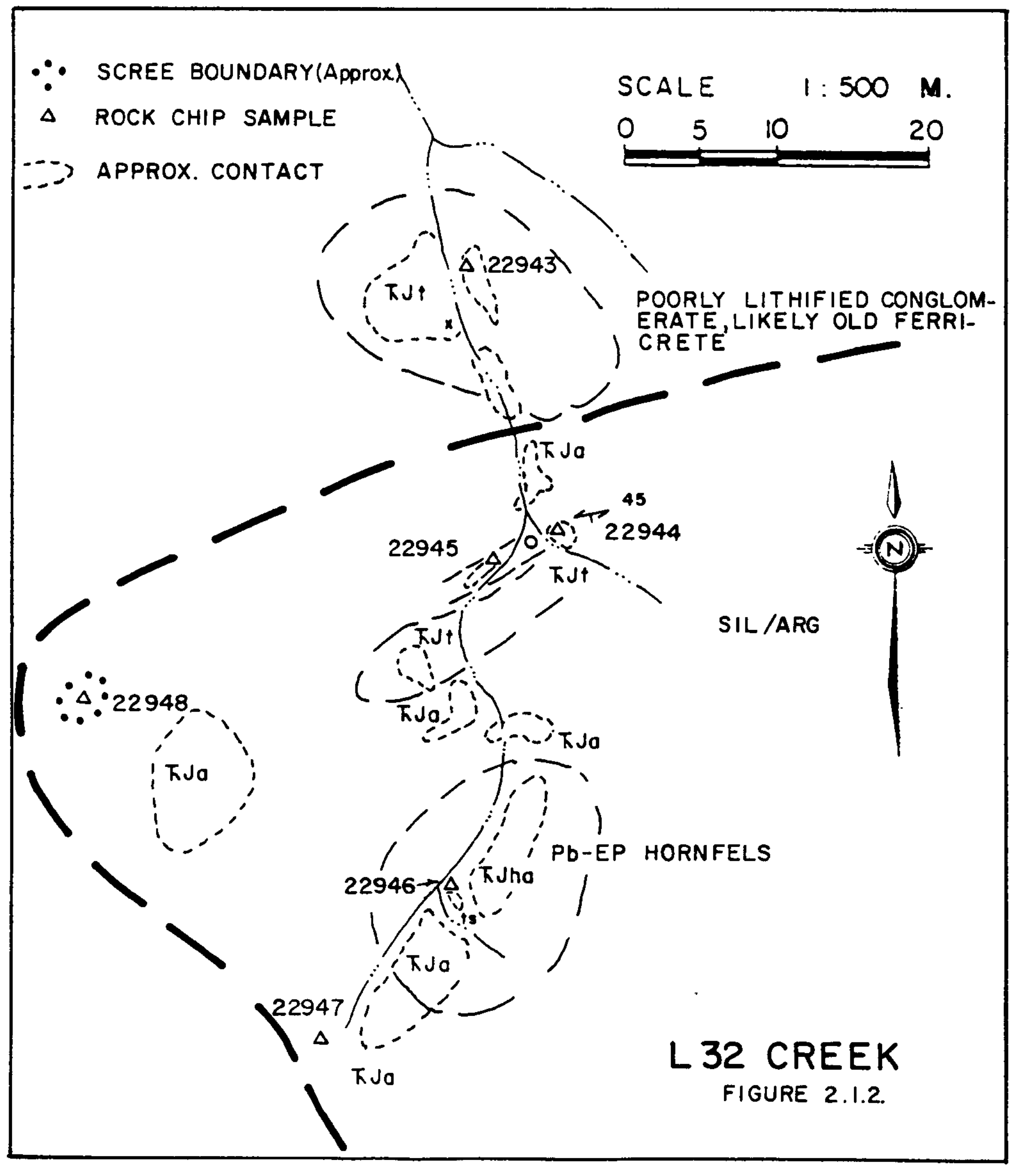
Several small exposures of light grey to yellow talc-sericite schist outcrop proximal to silicic alteration zones. Weathered surfaces are light grey to buff colored. Variations in the intensity of sericitic alteration of the andesites observed on the north grid suggests the schist has a porphyritic andesite protolith.

2.3 <u>Property Mineralization and Alteration</u>

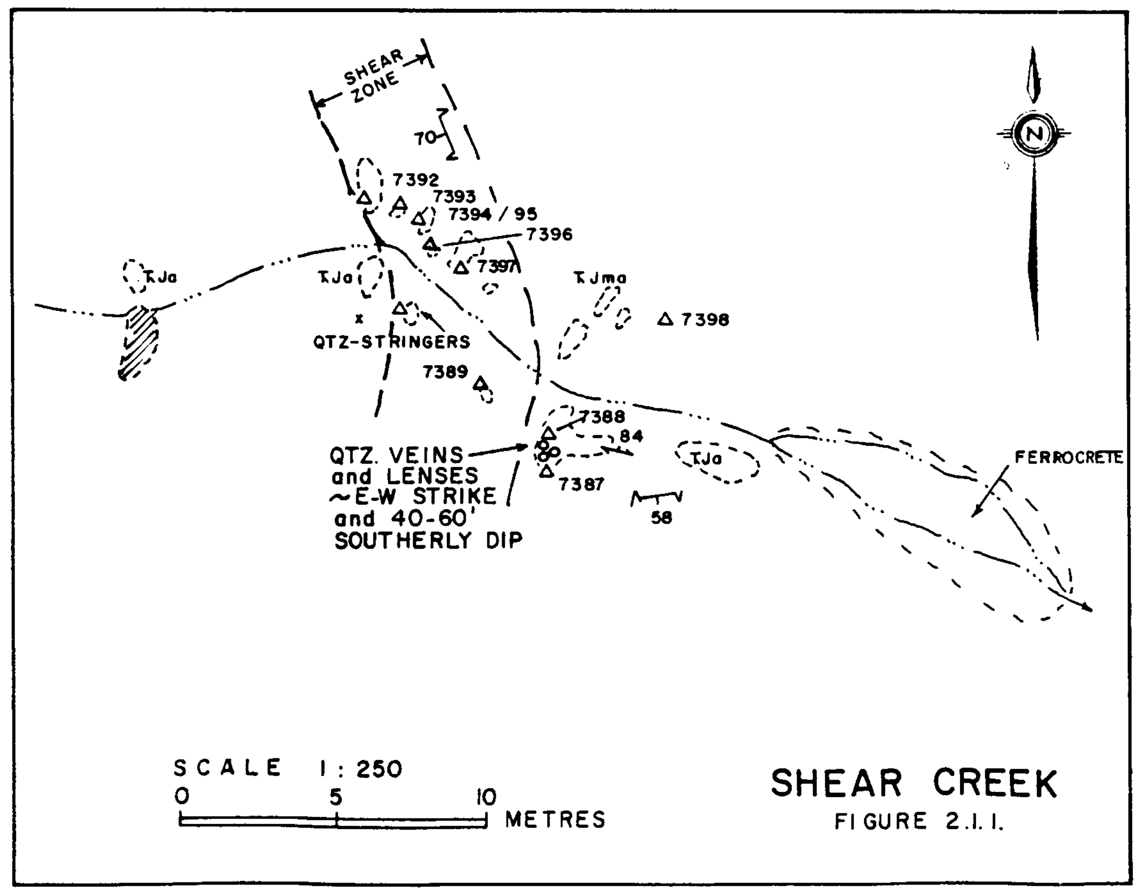
The emphasis of the 1989 field work was on geological mapping and sampling of shear and alteration zones reported by Utah Mines (1975). Further exploration exposed an additional mineralized alteration zones, shear zones, and quartz veins.



OLD CABIN CREEK
FIGURE 2.1.3.



L32 CREEK
FIGURE 2.1.2.



SHEAR CREEK
FIGURE 2.1.1.

FOR LEGEND SEE FIGURE 2.1.

EQUITY SILVER MINES	
HORN GROUP	
LIARD M.D.	104 I / 5W
DETAILED GEOLOGY & SAMPLE LOCATION MAPS	
DATE: October 1989 DRAWN BY: /GT.	FIGURE No/above

Prepared by: STETSON RESOURCE MGT. CORP.

Three types of alteration were observed on the property; silicic, argillic, and sericitic alteration.

Silicification of the andesites varies from moderate to intense. A scree sample found on the baseline exhibited a relatively sharp gradational contact between coarse sucrosic quartz and porphyritic andesite. Poorly exposed areas initially mapped as intense silicic alteration may therefore, be subcrop of a massive quartzolite dyke. Exposures of quartz flooding and veining also outcrop on the property.

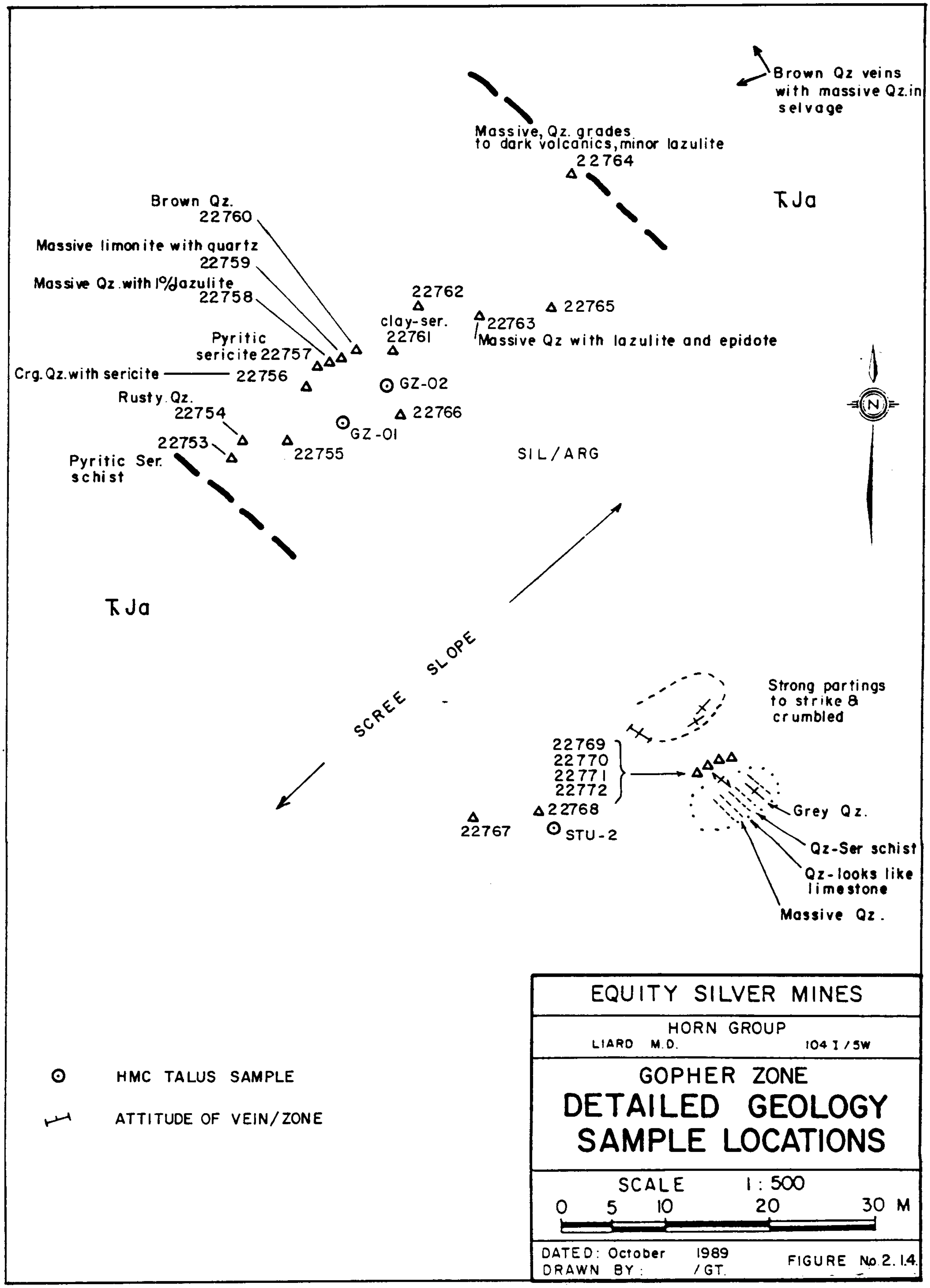
Argillic alteration on the property is most intense in the central area of the north grid, where silicic alteration or a quartzolite intrusion is mapped. Sericitization is also intense in this area and weakens to the east and west of the zone.

Smaller occurrences of the three alteration types were mapped in detail on Shear creek, L32 creek, Old Cabin creek, and on the Gopher zone (figures 2.1.1. to 2.1.4). Weak chloritization was also observed, but occurs property wide and is likely a regional alteration.

The areas of mineralization on the property include the gossanous ridges covered by the north grid, the Ridge vein above the Circle trench, Shear creek, L32 creek, and the Gopher zone on the south slope of the main property drainage.

Mineralization comprises weathered, rusty, coarse crystalline, white quartz veins with 1% to 5% finely disseminated pyrite, and quartzolite dykes or silicic alteration zones, variably sericitized and argillized which often contains lazulite and disseminated pyrite. Trace to 2% galena, and occassional tetrahedrite, chalcopyrite, and sphalerite were noted in quartz veins along shear creek and on the ridge above the Circle trench. Quartz veining on the property is generally rare, and volumetrically insignificant.

Quartzolite dykes and silicic alteration zones are often poorly exposed, and only weakly mineralized, but are laterally and vertically continuous and significant in width. No obvious structural control of the dykes and alteration zones was observed. Gold and silver values for these rocks are generally low.


Brown Qz veins with massive Qz.in selvage
Massive, Qz. grades to dark volcanics, minor lazulite
22764
ТJa
Brown Qz.
22760
Massive limonite with quartz
22759
Massive Qz. with 1% lazulite
22758
22762
22765
clay-ser.
22761
22763
Massive Qz with lazulite and epidote
Pyritic sericite 22757
Crg. Qz. with sericite
22756
GZ-02
Rusty Qz.
22754
22766
GZ-01
22753
22755
SIL/ARG
Pyritic Ser. schist
ТJa
SCREE SLOPE
Strong partings to strike & crumbled
22769
22770
22771
22772
22768
Grey Qz.
22767
STU-2
Qz-Ser schist
Qz-looks like limestone
Massive Qz.
HMC TALUS SAMPLE
ATTITUDE OF VEIN/ZONE
N
EQUITY SILVER MINES
HORN GROUP
LIARD M.D.
104 I / 5W
GOPHER ZONE
DETAILED GEOLOGY
SAMPLE LOCATIONS
SCALE 1 : 500
0 5 10 20 30 M
DATED: October 1989
DRAWN BY: /GT.
FIGURE No. 2.1.4.

A major shear zone, 65 meters wide, mapped by Utah Mines in Shear creek returned a significant gold or silver values. A small outcrop of silicified volcanics in the footwall of the shear is mineralized with small galena cubes 0.5 to 1 mm.

Except for the Shear creek shear zone, all shears and quartz veins on the property are small, random, irregular structures with no general structural control. The Shear creek shear zone has significant width, but its strike length is not readily discernable and it is very weakly mineralized. Silicic alteration zones or quartzolite dykes are extensive but weakly mineralized.

3.0 GEOCHEMICAL SURVEYS

3.1 Introduction

Extensive geochemical sampling was carried out to test the economic potential of the property. 130 rock chip samples were collected from silicic and argillic alteration zones, shear zones, and quartz veins. Twelve bulk heavy mineral concentrate stream sediment samples were collected from major property drainages, and 72 bulk heavy mineral concentrate talus samples were collected along contour lines on the north and south grids. Two bulk heavy mineral soil samples were collected from the B-horizon of the west slope of snowdrift creek valley (Figs. 3.1, 3.1.1).

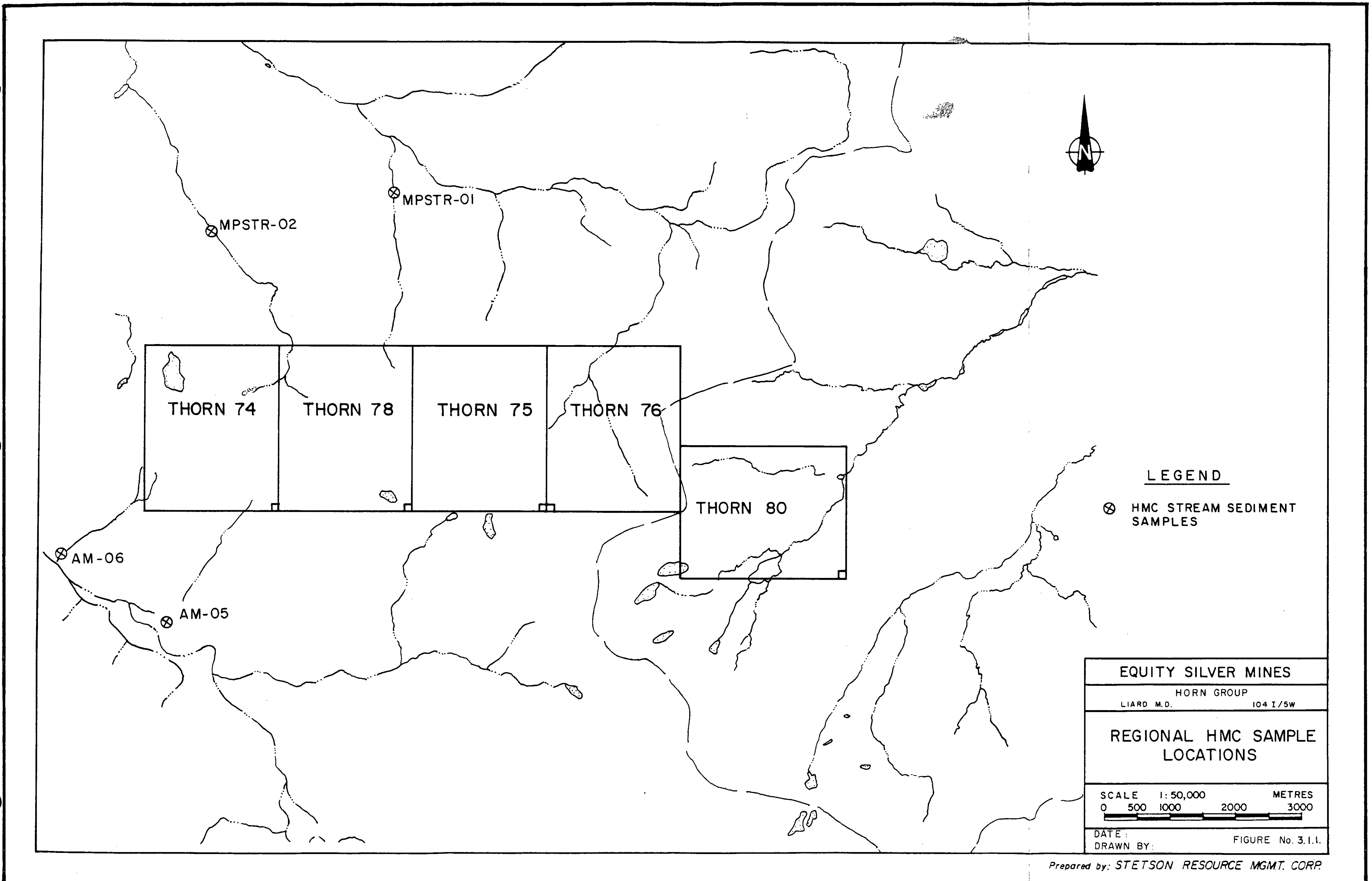
The purpose of the bulk heavy mineral talus/soil sampling survey was:

1. to verify 19 Ag, Cu anomalies delineated by a B-horizon soil sampling program on the west slope of Snowdrift Creek valley.

2. to locate possible dispersion trains from upslope mineralization.

3. to minimize the "nugget effect" inherent in conventional soil sampling methods.

4. To locate previously undetected mineralization on the property.


MPSTR-01
MPSTR-02
THORN 74
THORN 78
THORN 75
THORN 76
THORN 80
AM-06
AM-05
N
LEGEND
HMC STREAM SEDIMENT SAMPLES
EQUITY SILVER MINES
HORN GROUP
LIARD M.D.
104 I/5W
REGIONAL HMC SAMPLE LOCATIONS
SCALE 1:50,000
METRES
0 500 1000 2000 3000
DATE:
DRAWN BY:
FIGURE No. 3.1.1.
Prepared by: STETSON RESOURCE MGMT. CORP.

3.2 Lithogeochemistry

3.2.1 Analytical Techniques

In the field, 5-6 kilogram rock chip samples were collected, tagged, and stored in plastic bags. These samples were sent to Bondar-Clegg Laboratories in Vancouver for 29 element ICP geochemical and Fire Assay atomic absorption gold analyses. In the laboratory, samples were put through primary and secondary crushers. A sub sample of approximately 250 grams was then screened to -100, or -150 mesh and the pulp, Fire Assayed for gold plus 29 element ICP.

3.2.2 Analytical Results

Only one significant assay was obtained from the 130 rock precious metal samples collected from the property. Sample 22931 returned 570 ppb Au, 4.81 oz/ton Ag and 24% Cu from a 10 cm wide discontinuous massive sulphide vein. The vein is located immediately south of the Circle trench on a small ridge. Other samples returned anomalous assays. Sample 7398 returned 127 ppb Au, 5.2 ppm Ag, and 8405 ppm Pb from a select sample of silicified andesite in the footwall of the Shear creek shear zone. Small galena cubes (0.5 to 1mm) were observed in the sample. The remaining rock samples returned insignificant values in gold, silver and copper. Elevated levels of strontrium were detected, and generally associated with silicic alteration zones. This is consistent with the observations of tourmaline often lining small vugs in the silica matrix. Elevated levels of zinc were detected, but no associations are evident. Five samples were assayed for mercury and one returned an anomalous value (800 ppb). Sample 22890 was collected from fine-grained and opaline quartz float in a dry wash near the camp.

Correlation charts were completed for gold, silver, copper, and zinc using Bondar-Clegg's CORMAT program and are found in Appendix III. Correlation numbers are listed to the right of the chart for each element, and significant correlations are marked with a number symbol (#) while non correlating elements are marked by an asterisk phrase (*.***). Certain elements are not fully dissolved by Bondar-Clegg's HNO_3 - HCI hot extraction process and do not represent the sample geochemistry of the sample. (R. Callow 1989, personal communication) Barium, chromium, niobium, rubidium, and antimony are therefore not considered. Gold has significant corellations with silver, arsenic, cadmium, copper, lead, tantelum, tellurium, tungsten, and zinc. Silver and copper have similiar correlations but both have no significant correlation with lead. Zinc has significant corellations with gold, silver, cadmium, copper, gallium, lithium, nickel, scandium, tantalum, tellurium, vanadium, tungsten, and yittrium.

3.3 Talus/Stream Sediment Heavy Mineral Concentrate (HMC) Sampling

3.3.1 Analytical Techniques

For HMC stream sediment samples, 50 to 100 kilograms of sediment were screened through a 20 mesh sieve to obtain a 10 to 15 kilogram sample. For HMC talus or soil samples, a 10 mesh or 6 mesh sieve was used, with mesh size dependent on moisture or clay content of the medium.

The samples were placed in 11" x 17" plastic bags and sent to Vancouver for processing. The samples were mechanically panned down to obtain a 10 gm concentrate. Each sample was then studied under an ocular microscope for mineralogy, grain size and structure. (See Appendix IV). The concentrates were then analyzed for 29 element ICP and Fire Assay gold analyses.

3.3.2 Analytical Results

To date, only 20 HMC samples have been returned from Onex and Min-En laboratories. Of these samples, three are HMC stream sediment samples (AM-03, AM-05 & AM-06).

The stream sediment samples AM-03 and AM-06 are reported to contain a single, angular, gold particle between 200 and 400 microns in diameter.

Sample AM-05 contained finer gold of twenty three, 50 to 100 micron sized particles, and two, 100 to 200 micron sized particles.

The majority of these samples were composed of magnetite particles with minor hematite ilmenite and pyrite particles, and roughly one third unknown particles.

Gold particles were not found in the remaining talus and soil HMC samples, with the exception of a few fine particles (<50 microns) and one medium particle (100 - 200 microns) found in samples SW5+87 and SW 3+64, and in SD-02 respectively.

The visual analysis of the samples is reflected in the Fire Assay atomic absorption results returned by Min-En Laboratories.

5.0 CONCLUSION

Results to date indicate that the Horn property requires further detailed mapping and sampling with follow up on all HMC anomalies.

STATEMENT OF QUALIFICATIONS

NAME:	Wetherill, J.F.
PROFESSION:	Geologist - Engineer in Training
EDUCATION:	1987 B.A.Sc. Geology - University of British Columbia
EXPERIENCE:	1987 - Present: Geologist with Stetson Resource Management Corp. Field Supervisor for exploration programs involving geology, geochemistry, and geophysics in B.C. and Yukon.
	1986, June - August: Field Assistant -Geologist involved with geological, geochemical and geophysical aspects of exploration programs in B.C.

COST STATEMENT

Project Preparation

Printing			$ 86.80
Maps			$ 16.70
Drafting			$ 48.00
J. Wetherill	1 day	@ $225/ day	$ 225.00
B. Dynes	1 day	@ $225/ day	$ 225.00
			=========
			$ 601.50

Field Personnel

PROJECT GEOLOGIST	
J. Wetherill (July 24-Aug 2) 10 days @ $250/day	$ 2,500.00
PROSPECTOR	
B. Dynes (July 29-Aug 2) 5 days @ $225/day	$ 1,125.00
FIELD TECHNICIANS	
M. Pym (July 29-Aug 2) 5 days @ $175/day	$ 875.00
W. Landers (July 24-Aug 2) 10 days @ $175/day	$ 1,750.00
C. Milonas (July 29-Aug 2) 5 days @ $175/day	$ 875.00
R. Herzig (July 24-Aug 2) 10 days @ $175/day	$ 1,750.00
M. Djordjevich (July 24-28) 5 days @ $175/day	$ 875.00
EDA OPERATOR	
M. Djordjevich (July 29-Aug 2) 5 days @ $250/day	$ 1,250.00
	=========
	$11,000.00

Support

Mobilization/Demobilization:			
	Ford Bronco	2 days @ $60.00/day	$ 120.00
		64 km @ $0.15/km	$ 9.60
	F250 4X4	2 days @ $60.00/day	$ 120.00
		86 km @ $0.15/km	$ 12.90
	Helicopter	5.4 hours @ $750/hr	$ 4,050.00
Camp:			
	Room	55 mandays @ $25/manday	$ 1,375.00
	Board	55 mandays @ $18/manday	$ 990.00
Gasoline			$ 180.00
Propane			$ 341.90
General Supplies			$ 551.45
Communication (BC Tel)			$ 58.80
Shipping			$ 111.95

Equipment Rental:

EDA Mag/VLF-EM : 10 days @ $200/day	$ 2,000.00
Generator : 10 days @ $25/day	$ 250.00
Computor : 10 days @ $25/day	$ 250.00
Radios : 4X10 days @ $20/day	$ 800.00
Chainsaw : 10 days @ $25/day	$ 250.00
Field Equipment : 10 days @ $15/day	$ 150.00
	==========
	$11,621.60

Assays

Rock

29 ICP, Fire Assay Au, and Prep 138 rocks @ $20/sample	$ 2,760.00
	==========
	$ 2,760.00

Contract Services

Geophysicist (Interpretex)	$ 3,875.00
	==========
	$ 3,875.00

Report Writing

Geologist 5 days @ $250/day	$ 1,250.00
Draftsman 5 days @ $200/day	$ 1,000.00
Supplies	$ 112.60
Typing, Copying	$ 65.00
	==========
	$ 1,527.60
Subtotal	$31,974.30
12% Administrative Overhead	$ 3,836.92
	==========
TOTAL	$35,811.22

REFERENCES

Gabrielse, H.

1979 Cry Lake Map Area; Geol. Surv. Canada, Open File Map 610.

Clouthier, G.A. and Vyselaar J.

1975 Geological and Geophysical Report on the Tom Group 1; BCDEMPR Assessment Report #5769.

Graham, J.D.

1982 Geochemical Report on Drift Group Mineral Claims; BCDEMPR Assessment Report #10,923

Smee, B.W.

1971 Geochemical Soil Survey on the Lotus Group of Claims; BCDEMPR Assessment Report #3538.

ar-pa40

APPENDIX I

Geophysical Report

1.0 INTRODUCTION

A geophysical program, consisting of electromagnetic (VLF-EM) and magnetic surveys, was carried out on two grids located on the Horn Mountain claim group in the Liard Mining Division near Dease Lake, B.C. The survey was carried out in August, 1989.

2.0 OBJECTIVES

- to establish a correlation between magnetic minerals and mineralized trends,
- to test the effectiveness of VLF-EM in following possible mineralized trends and to establish new unrecognized conductive trends,
- to establish geophysical areas of interest for future exploration.

3.0 SURVEY SPECIFICATIONS

Survey Parameters

- survey line separation - 50 m.
- survey station spacing - 12.5 m.
- VLF-EM and magnetic survey total 24.1 km.

Equipment Parameters

- VLF-EM and Magnetic Surveys
  - Scintrex Omni Plus combined VLF-EM and magnetometer
  - Dip Angle (in-phase) and Quadrature (out-of-phase) measured in percent at each station
  - VLF-EM Field Strength measured at each station
  - transmitting stations used - NPM (23.4 kHz) - Lualualei, Hw.
- NAA (24.0 kHz) - Cutler Ma.
  - earth's total magnetic field measured in gammas (nT)
  - magnetic variations controlled by automatic magnetic base station recording every 30 seconds
  - instrument accuracy +/- 0.1 nT.

Equipment Specifications - see Appendix I

4.0 DATA

Calculations

Total Field Magnetic Survey

Total field magnetic readings were individually corrected for variations in the earth's magnetic field using magnetic base station values. The formula used for magnetic corrections was;

$$CTFR = TFR + (DBL - BSR)$$

where: CTFR = Corrected Total Field Reading
TFR = Total Field Reading
DBL = Datum Base Level
BSR = Base Station Reading

Presentation

- Cutler VLF-EM in-phase, out-of-phase and field strength readings are presented in profile form on Figure # G-1 at a scale of 1:5000
- Lualualei VLF-EM in-phase, out-of-phase and field strength readings are presented in profile form on Figure # G-2 at a scale of 1:5000
- Magnetic data were profiled and are presented on Figure # G-3 at a scale of 1:5000
- Magnetic data were contoured and are presented on Figure # G-4 at a scale of 1:5000
- The geophysical interpretation is presented on Figure # G-5 at a scale of 1:5000
- Field readings and calculated values are listed in Appendix II

5.0 INTERPRETATION

Discussion of Results

Total field magnetic data over the Horn Mountain survey area were noise free with no cultural sources observed. Magnetic readings range from 57100 nT. to 61300 nT. The magnetic datum value for the total field magnetic profile map was determined by statistical analysis to be 58500 nT. This datum value, which graphically shows if a magnetic reading is above or below the mean value for the grid, was also the threshold between dashed and solid contours on the total field magnetic contour map.

Three magnetic units have been defined on the Horn Mountain survey area based on magnetic intensity and activity. Magnetic unit "M1" covers the central portion the northern grid and is characterized by relatively quiet magnetic activity with values ranging from 58300 nT. to 58600 nT. Magnetic unit "M2" is characterized by steep gradients and high intensity ranging from 58500 nT. to 61300 nT. Located on the east and west edges of the north grid and the east edge of the south grid, "M2" consists of numerous variable wavelength anomalies. Magnetic unit "M3" exhibits steep gradients and lower magnetic intensity than "M2".

Two magnetic low features trending approximately east-west, have been delineated on the Horn Mountain grid based on profile character continuation from line to line and contour terminations and offsets. These magnetic lineaments are labeled "L1" to "L2" on Figure # G-4. Lineaments "L1" and "L2" exhibit similar profile character and are both coincident with VLF-EM conductors. As well, both lineaments terminate abruptly into inferred fault "F1".

Three magnetic high features, labeled "D1" to "D3" on Figure # G-4, have been delineated on the survey area. Lineaments "D1" and "D2" trend approximately east west and are located within magnetic unit "M2". "D1" is a relatively wide, monopolar feature that appears to consist of several discrete individual anomalies. "D2" is a strong high exhibiting

....3

dipolar response and long wavelengths. "D3" is located within magnetic unit "M3" and trends approximately north. "D3" is a moderate, monopolar high feature that exhibits the strongest response on line 1000S and weakens to the north until line 800S where "D3" terminates into "F1".

VLF-EM data were noisy at times but no cultural sources were observed. Data quality was good and duplicate readings at baseline 0 on line 300S and at 200E on line 2400S show that in-phase and quadrature results were virtually identical when surveyed on different days. Field strength readings are dependent on transmitter power output and weather conditions therefore, these results are time dependent. For this reason level changes in field strength data result from data acquired on different days. Only NAA, Cutler, Maine data were interpreted due to weak responses obtained from the NPM, Lualualei, Hawaii NSS, transmitter.

VLF-EM data display a response to topography within the survey area. The topographic signature characteristically exhibits long wavelength and large amplitude in-phase and quadrature responses as well as a broad field strength anomaly. Topographic effects are seen as strong positive in-phase results on the northwestern portion of the survey area. Due to the strong topographical responses the VLF-EM profiles were plotted at a compressed vertical scale of 1 cm. equals 30%.

VLF-EM response was complex on the north grid. Numerous, strong but short conductors delineated on the north grid have been grouped into two conductor systems. Conductor system "C1" is located north of inferred fault "F1" within magnetic unit "M1". Conductor system "C4" is located south of "F1" in magnetic unit "M2". Conductors "C2" and "C3" east-west trending strong anomalies with relatively long strike lengths. Over most of the north grid a relatively strong, short wavelength noise is observed.

Inferred faults "F1" and "F2" were interpreted on the basis of magnetic profile character continuation and magnetic contour offsets as well as VLF-EM conductor displacements and terminations. Inferred fault "F1" represents a change in magnetic character from magnetic unit "M1" to "M3". Also "F1" terminates a number of lineaments and conductors. "F2" was interpreted to explain the right lateral displacement of "M2" from 100E on line 400S to 425E on line 300S. "F2" also appears to terminate a few conductors.

The south grid exhibited less active response than the north grid with only three conductors observed. Conductors "C5" and "C6" exhibit moderate to strong response and trend approximately in the same direction as "C2" and "C3". Although the magnetic environment is too active to delineate lineaments, it appears that "C2" and "C3" correlate well with local magnetic low features. A weak, unlabeled conductor is observed to be coincident with the interpreted contact between "M1" and "M2".

....4

Conclusions

Magnetic and VLF-EM results over the Horn Mountain claim group were successful in defining magnetic units, which may represent area lithology, and in delineating numerous conductors and magnetic lineaments, believed to represent structural features such as faults or shear zones.

Magnetic units outlined on Figure # G-4 define areas of varying magnetic susceptibilities. Magnetic units represent areas of different magnetic mineral content, thereby suggesting different rock types. Generally, the more magnetically active areas represent higher mafic mineral content. For this reason, the more magnetically active unit "M2" is interpreted to define an area underlain by basic volcanic flows.

Magnetic low lineaments "L1" and "L2" trend east-west and are believed to represent oxidization within shear zones or possibly fault controlled acidic intrusions. The coincidence of strong conductors with the magnetic low lineaments suggests that sulphide mineralization may exist along these magnetic low features.

Magnetic high lineaments "D1" and "D2" are located in a magnetically active unit "M2". "D1" exhibits monopolar response, suggesting deep depth extent. "D1" also appears to be made up of several parallel bodies and is interpreted to represent a number of closely spaced, narrow basic dykes. "D2" is parallel to "D1" and exhibits highs ranging from 1500 nT. to 2000 nT. above background and is interpreted to represent a basic dyke. "D2" exhibits dipolar response suggesting that it has a shallow depth extent. To the south, "D2" appears to be terminated at line 700N by "F1".

Magnetic high lineament "D3" consists of an individual high trending north from line 1000S to line 800S. "D3" is characterized by 50 m. wide magnetic highs ranging from 700 nT to 1500 nT above background and is interpreted to represent a basic dyke.

The VLF-EM method was quite responsive on the Horn Mountain grid. Conductors are primarily interpreted to represent conductive structures. Conductor intersections and stronger anomalies within long conductors may represent structural traps or fault dilations and are interpreted to be the best candidates for economic mineralization in the area.

Noisy VLF-EM response over the north grid may indicate either the presence of conductive overburden or the presence of numerous fracture zones. Considering the relatively large amplitude and apparent line to line continuation of the noise, fracture zones are believed to be the source of the VLF-EM noise.

The numerous moderate to strong anomalies making up conductor system "C1" are believed to represent a fracture or breccia zone. Anomalous response for "C1" is stronger than usually expected for such short strike lengths, suggesting a highly conductive source. A localized magnetic high near 500W on lines 200S and 300S appears to terminate a number of "C1" conductors. This magnetic high may represent a basic dyke which has cut through "C1". It is also possible that there are more cross-faults such as inferred faults "F1" and "F2" terminating and offsetting the conductors in this area. In this case, the stronger anomalies within "C1" may represent fault intersections and are therefore considered important geophysical targets.

Conductors "C2" and "C3" are both interpreted to represent structural features, probably a fault. The strong response of these conductors coupled with the good correlation with magnetic low lineaments "L1" and "L2" suggest that "C2" and "C3" represent a major feature and, as discussed above, possibly containing sulphide mineralization. The intersection of "C2" with a "C4" conductor is interpreted to be the best target along "C2". The strong anomalies on lines 800S and 900S are thought to be the best targets along "C3".

Conductor system "C4" contains the strongest anomalies observed on the grid. Conductors within "C4" exhibit similar character to "C1" conductors and are also interpreted to represent fracture zones. The strongest conductor within "C4" is located at approximately 750W from line 800S to 1000S and appears to be growing stronger as it continues off the grid to the southeast.

Although conductors "C5" and "C6" exhibit weaker response and the correlation with magnetic low features is questionable, these conductors are believed to be related to conductors "C2" and "C3". Therefore "C5" and "C6" are interpreted to represent structural features.

6.0 RECOMMENDATIONS

The VLF-EM and magnetic interpretation has delineated magnetic and conductive trends on the Horn Mountain survey area that warrant follow-up exploration. Surface geological investigations are recommended to determine the importance of the following targets.

The strongest anomalies along conductors "C2" and "C3" are considered the highest priority targets for follow-up exploration on the grid. Next in priority are the strongest anomalies within conductor systems "C1" and "C4". The most notable targets in these systems are line 1000S at 810W and line 400S at 350W. The last priority targets on the grid are conductors "C5" and "C6".

A larger VLF-EM and magnetic survey is recommended to determine the extent of the conductors and magnetic features discovered in the present survey.

A horizontal loop electromagnetic survey is recommended to more accurately define the location of strong VLF-EM conductors if fault controlled mineralization is suspected. If disseminated mineralization is believed to be present, an induced polarization/resistivity survey is recommended to determine chargeable and resistive zones. A deep electromagnetic survey, such as UTEM, is recommended to determine the depth extent of conductive bodies discovered in the present survey.

Respectfully Submitted

INTERPRETEX RESOURCES LTD.

Vancouver, British Columbia

T.R. Matich

Geophysicist

CERTIFICATE

I, Thomas Raymond Matich, Geophysicist of Surrey, British Columbia, Canada, hereby certify that:

1. I received a B.Sc. degree in Geophysics from the University of British Columbia in 1982.

2. I currently reside at 13914 116 Ave, in the Municpality of Surrey, in the Province of British Columbia.

3. I have been practising my profession since graduation.

4. I hold no direct or indirect interest in, nor expect to receive any benefits from, the mineral property or properties described in this report.

5. This report may be used for the development of the property, provided that no portion will be used out of context in such a manner as to convey meanings different from that set out in the whole.

6. Consent is hereby given to the company for which this report was prepared to reproduce the report or any part of it for the purposes of development of the property, or facts relating to the raising of funds by way of a prospectus and/or statement of material facts.

Date: October 30, 1989

Surrey,
British Columbia

Signed: Tom Matich

Thomas Raymond Matich
B.Sc.

AUTHOR'S NOTE

Data interpreted in this report were accumulated without supervision by Interpretex Resources Ltd. and were supplied by the Client to the writer(s). These data and the locations on the ground from which these data were accumulated are, except when specified otherwise by the writer(s), assumed to be reliable and correct and were interpreted using this assumption.

APPENDIX I

Equipment Specifications

OMNI PLUS
VLF/Magnetometer System

Specifications*

Frequency Tuning Range	15 to 30 kHz, with bandwidth of 150 Hz; tuning range accommodates new Puerto Rico station at 28.5 kHz
Transmitting Stations Measured	Up to 3 stations can be automatically measured at any given grid location within frequency tuning range
Recorded VLF Magnetic Parameters	Total field strength, total dip, vertical quadrature (or alternately, horizontal amplitude)
Standard Memory Capacity	800 combined VLF magnetic and VLF electric measurements as well as gradiometer and magnetometer readings
Display	Custom designed, ruggedized liquid crystal display with built-in heater and an operating temperature range from −40°C to +55°C. The display contains six numeric digits, decimal point, battery status monitor, signal strength status monitor and function descriptors.
RS232C Serial I/O Interface	2400 baud rate, 8 data bits, 2 stop bits, no parity
Test Mode	A. Diagnostic Testing (data and programmable memory) B. Self Test (hardware)
Sensor Head	Contains 3 orthogonally mounted coils with automatic tilt compensation
Operating Environmental Range	−40°C to +55°C; 0−100% relative humidity; Weatherproof
Power Supply	Non-magnetic rechargeable sealed lead-acid 18V DC battery cartridge or belt; 18V DC disposable battery belt; 12V DC external power source for base station operation only.

Weights and Dimensions

Instrument Console	2.8 kg, 128 x 150 x 250 mm
Sensor Head	2.1 kg, 130 dia. x 130 mm
VLF Electronics Module	1.1 kg, 40 x 150 x 250 mm
Lead Acid Battery Cartridge	1.8 kg, 235 x 105 x 90 mm
Lead Acid Battery Belt	1.8 kg, 540 x 100 x 40 mm
Disposable Battery Belt	1.2 kg, 540 x 100 x 40 mm

*Preliminary

EDA Instruments Inc.,
4 Thorncliffe Park Drive,
Toronto, Ontario
Canada M4H 1H1
Telex: 06 23222 EDA TOR,
Cables: Instruments Toront
(416) 425-7800

In USA,
EDA Instruments Inc.,
5151 Ward Road,
Wheat Ridge, Colorado
U.S.A. 80033
(303) 422-9112

Printed in Canada

OMNI IV "Tie-Line" Magnetometer

EDA

Specifications

Dynamic Range	18,000 to 110,000 gammas. Roll-over display feature suppresses first significant digit upon exceeding 100,000 gammas.
Tuning Method	Tuning value is calculated accurately utilizing a specially developed tuning algorithm
Automatic Fine Tuning	± 15% relative to ambient field strength of last stored value
Display Resolution	0.1 gamma
Processing Sensitivity	± 0.02 gamma
Statistical Error Resolution	0.01 gamma
Absolute Accuracy	± 1 gamma at 50,000 gammas at 23°C ± 2 gamma over total temperature range
Standard Memory Capacity	
Total Field or Gradient	1,200 data blocks or sets of readings
Tie-Line Points	100 data blocks or sets of readings
Base Station	5,000 data blocks or sets of readings
Display	Custom-designed, ruggedized liquid crystal display with an operating temperature range from −40°C to +55°C. The display contains six numeric digits, decimal point, battery status monitor, signal decay rate and signal amplitude monitor and function descriptors.
RS 232 Serial I/O Interface	2400 baud, 8 data bits, 2 stop bits, no parity
Gradient Tolerance	6,000 gammas per meter (field proven)
Test Mode	A. Diagnostic testing (data and programmable memory) B. Self Test (hardware)
Sensor	Optimized miniature design. Magnetic cleanliness is consistent with the specified absolute accuracy.
Gradient Sensors	0.5 meter sensor separation (standard), normalized to gammas/meter. Optional 1.0 meter sensor separation available. Horizontal sensors optional.
Sensor Cable	Remains flexible in temperature range specified, includes strain-relief connector
Cycling Time (Base Station Mode)	Programmable from 5 seconds up to 60 minutes in 1 second increments
Operating Environmental Range	−40°C to +55°C; 0–100% relative humidity; weatherproof
Power Supply	Non-magnetic rechargeable sealed lead-acid battery cartridge or belt; rechargeable NiCad or Disposable battery cartridge or belt; or 12V DC power source option for base station operation.
Battery Cartridge/Belt Life	2,000 to 5,000 readings, for sealed lead acid power supply, depending upon ambient temperature and rate of readings
Weights and Dimensions	
Instrument Console Only	2.8 kg, 238 x 150 x 250mm
NiCad or Alkaline Battery Cartridge	1.2 kg, 235 x 105 x 90mm
NiCad or Alkaline Battery Belt	1.2 kg, 540 x 100 x 40mm
Lead-Acid Battery Cartridge	1.8 kg, 235 x 105 x 90mm
Lead-Acid Battery Belt	1.8 kg, 540 x 100 x 40mm
Sensor	1.2 kg, 56mm diameter x 200mm
Gradient Sensor (0.5 m separation - standard)	2.1 kg, 56mm diameter x 790mm
Gradient Sensor (1.0 m separation - optional)	2.2 kg, 56mm diameter x 1300mm
Standard System Complement	Instrument console; sensor; 3-meter cable, aluminum sectional sensor staff, power supply, harness assembly, operations manual.
Base Station Option	Standard system plus 30 meter cable
Gradiometer Option	Standard system plus 0.5 meter sensor

E D A Instruments Inc.
4 Thorncliffe Park Drive
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APPENDIX II

Rock Chip Assay Results

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Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V89-03947.0 (COMPLETE)

REFERENCE INFO:

CLIENT: STETSON RESOURCE MANAGEMENT
PROJECT: EQUITY - HORN

SUBMITTED BY: B. DYNES
DATE PRINTED: 6-AUG-89

ORDER		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold - Fire Assay	5	5 PPB	FIRE-ASSAY	Fire Assay AA
2	Ag	Silver	5	0.2 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
3	As	Arsenic	5	5 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
4	Ba	Barium	5	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
5	Be	Beryllium	5	0.5 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
6	Bi	Bismuth	5	2 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
7	Cd	Cadmium	5	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
8	Ce	Cerium	5	5 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
9	Co	Cobalt	5	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
10	Cr	Chromium	5	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
11	Cu	Copper	5	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
12	Ga	Gallium	5	2 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
13	La	Lanthanum	5	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
14	Li	Lithium	5	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
15	Mo	Molybdenum	5	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
16	Nb	Niobium	5	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
17	Ni	Nickel	5	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
18	Pb	Lead	5	2 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
19	Rb	Rubidium	5	20 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
20	Sb	Antimony	5	5 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
21	Sc	Scandium	5	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
22	Sn	Tin	5	20 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
23	Sr	Strontium	5	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
24	Ta	Tantalum	5	10 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
25	Te	Tellurium	5	10 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
26	V	Vanadium	5	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
27	W	Tungsten	5	10 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
28	Y	Yttrium	5	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
29	Zn	Zinc	5	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
30	Zr	Zirconium	5	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
31	Hg	Mercury	5	5 PPB	HNO3-HCl-SnSO4	Cold Vapour AA

Bondar-Clegg & Company Ltd.
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SUBMITTED BY: B. DYNES
DATE PRINTED: 6-AUG-89

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK OR BED ROCK	5	2 -150	5	CRUSH,PULVERIZE -150	5
				BATCH SURCHARGE	5

REMARKS: We do not offer a 30 element package and are therefore running an ICP 29 element package.
Bi, Be and Rb may be elevated due to an additive interference from Fe, Sn and Ca.

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DATE PRINTED: 5-AUG-89
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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM	Cu PPM
R2 22888		10	0.3	173	90	6.6	34	<1	13	1	5	180
R2 22889		16	0.3	227	210	6.5	47	<1	17	<1	8	39
R2 22890		39	0.4	109	45	3.4	17	<1	7	4	53	36
R2 22891		<5	<0.2	51	63	1.7	10	<1	9	4	9	13
R2 22892		<5	<0.2	63	8	2.3	12	<1	<5	7	71	32

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SAMPLE NUMBER	ELEMENT UNITS	Ga PPM	La PPM	Li PPM	Mo PPM	Nb PPM	Ni PPM	Pb PPM	Rb PPM	Sb PPM	Sc PPM	Sn PPM
R2 22888		7	4	5	30	<1	1	54	70	39	1	<20
R2 22889		12	6	15	22	<1	2	78	64	48	6	<20
R2 22890		<2	2	<1	28	<1	3	20	74	20	<1	<20
R2 22891		4	3	2	2	<1	3	11	93	14	1	<20
R2 22892		<2	<1	<1	3	<1	4	8	<20	14	<1	<20

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SAMPLE NUMBER	ELEMENT UNITS	Sr PPM	Ta PPM	Te PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM	Hg PPB
R2 22888		52	<10	18	40	<10	<1	13	4	140
R2 22889		146	<10	29	73	<10	2	91	12	115
R2 22890		10	<10	10	3	<10	<1	3	29	300
R2 22891		48	<10	10	14	<10	1	7	2	10
R2 22892		34	<10	<10	10	<10	<1	2	<1	25

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CLIENT: STETSON RESOURCE MANAGEMENT
PROJECT: HORN

SUBMITTED BY: J. WETHERILL
DATE PRINTED: 29-AUG-89

ORDER		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold - Fire Assay	28	5 PPB	FIRE-ASSAY	Fire Assay AA
2	Ag	Silver	28	0.2 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
3	As	Arsenic	28	5 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
4	Ba	Barium	28	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
5	Be	Beryllium	28	0.5 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
6	Bi	Bismuth	28	2 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
7	Cd	Cadmium	28	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
8	Ce	Cerium	28	5 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
9	Co	Cobalt	28	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
10	Cr	Chromium	28	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
11	Cu	Copper	28	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
12	Ga	Gallium	28	2 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
13	La	Lanthanum	28	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
14	Li	Lithium	28	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
15	Mo	Molybdenum	28	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
16	Nb	Niobium	28	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
17	Ni	Nickel	28	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
18	Pb	Lead	28	2 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
19	Rb	Rubidium	28	20 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
20	Sb	Antimony	28	5 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
21	Sc	Scandium	28	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
22	Sn	Tin	28	20 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
23	Sr	Strontium	28	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
24	Ta	Tantalum	28	10 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
25	Te	Tellurium	28	10 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
26	V	Vanadium	28	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
27	W	Tungsten	28	10 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
28	Y	Yttrium	28	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
29	Zn	Zinc	28	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
30	Zr	Zirconium	28	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma

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A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: V89-05231.0 (COMPLETE)

REFERENCE INFO: SHIPMENT #3

CLIENT: STETSON RESOURCE MANAGEMENT
PROJECT: HORN

SUBMITTED BY: J. WETHERILL
DATE PRINTED: 29-AUG-89

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK OR BED ROCK	28	2 -150	28	CRUSH,PULVERIZE -150	28

REMARKS: We do not offer a 31 element ICP package so we have run our 29 element ICP package in its place.

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INVOICE TO: 315-1455 NEVILLE STREET

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PROJECT: HORN

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM	C PP
R2 22801		9	<0.2	<5	549	0.5	<2	<1	<5	<1	189	1[illegible]
R2 22802		9	<0.2	<5	97	4.4	<2	<1	<5	13	63	1[illegible]
R2 22803		8	<0.2	<5	100	8.6	<2	<1	12	4	29	4[illegible]
R2 22804		6	0.4	<5	63	20.5	9	<1	23	7	13	26
R2 22805		10	<0.2	<5	561	8.1	<2	<1	19	15	20	22
R2 22806		10	1.1	<5	193	2.2	23	<1	64	<1	12	6
R2 22807		21	<0.2	27	319	25.9	9	2	<5	<1	8	179
R2 22808		18	0.3	30	332	4.0	5	<1	42	<1	42	26
R2 22809		12	<0.2	<5	163	5.4	<2	<1	20	6	24	63
R2 22810		18	<0.2	<5	108	6.4	<2	<1	<5	7	40	43
R2 22811		9	0.3	<5	48	1.2	<2	<1	20	2	75	40
R2 22812		17	<0.2	<5	50	1.6	<2	<1	<5	<1	115	14
R2 22813		51	<0.2	<5	50	11.0	3	<1	89	2	11	95
R2 22814		12	0.2	<5	7	1.8	<2	<1	16	<1	190	8
R2 22815		7	<0.2	27	112	23.0	<2	<1	43	3	101	29
R2 22816		<5	<0.2	<5	>2000	1.0	<2	<1	<5	2	197	10
R2 22817		11	0.3	<5	1026	0.3	2	<1	9	<1	148	19
R2 22818		9	<0.2	<5	533	4.2	2	<1	<5	<1	78	6
R2 22819		7	<0.2	17	638	1.7	3	<1	<5	<1	79	4
R2 22820		<5	<0.2	<5	204	1.1	<2	<1	12	<1	80	5
R2 22821		12	<0.2	<5	204	0.9	4	<1	<5	<1	129	9
R2 22822		6	<0.2	<5	158	<0.5	<2	<1	<5	<1	180	4
R2 22823		<5	<0.2	<5	>2000	<0.5	<2	<1	<5	1	95	4
R2 22824		7	<0.2	<5	23	1.0	<2	<1	10	<1	196	12
R2 22825		8	<0.2	<5	43	6.4	<2	<1	11	12	57	23
R2 22926		38	0.6	<5	43	9.5	<2	<1	10	14	43	52
R2 22927		13	0.5	<5	45	8.7	<2	<1	17	22	23	40
R2 22929		43	2.7	<5	111	4.9	<2	<1	23	1	32	28

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SAMPLE NUMBER	ELEMENT UNITS	Ga PPM	La PPM	Li PPM	Mo PPM	Nb PPM	Ni PPM	Pb PPM	Rb PPM	Sb PPM	Sc PPM	Sn PPM
R2 22801		<2	<1	<1	2	<1	4	12	<20	<5	<1	<20
R2 22802		2	11	13	<1	4	38	<2	28	<5	5	<20
R2 22803		<2	13	68	2	2	4	11	81	<5	5	<20
R2 22804		5	6	78	5	5	2	1042	<20	<5	4	<20
R2 22805		<2	19	27	2	6	2	34	49	<5	6	<20
R2 22806		<2	33	2	<1	<1	<1	810	<20	<5	2	<20
R2 22807		9	8	<1	38	<1	1	<2	182	<5	2	<20
R2 22808		<2	18	1	<1	<1	5	22	67	10	2	<20
R2 22809		<2	15	32	<1	2	3	4	79	<5	7	<20
R2 22810		<2	6	2	4	<1	2	10	<20	<5	1	<20
R2 22811		<2	13	<1	8	<1	2	4	42	10	1	<20
R2 22812		<2	2	<1	13	<1	4	5	42	<5	1	<20
R2 22813		<2	40	15	4	<1	2	<2	44	<5	5	<20
R2 22814		8	2	1	3	2	4	20	<20	<5	<1	<20
R2 22815		10	5	1	13	2	3	50	<20	<5	4	<20
R2 22816		<2	1	<1	11	<1	5	24	<20	<5	<1	<20
R2 22817		<2	4	<1	<1	<1	5	17	<20	<5	1	<20
R2 22818		<2	2	<1	35	<1	3	22	<20	<5	<1	<20
R2 22819		<2	2	<1	2	<1	3	10	<20	<5	<1	<20
R2 22820		<2	8	<1	8	<1	2	3	<20	<5	<1	<20
R2 22821		<2	2	<1	1	<1	4	16	<20	8	<1	<20
R2 22822		<2	<1	<1	<1	<1	4	5	<20	5	<1	<20
R2 22823		<2	2	<1	<1	<1	2	2	<20	<5	<1	<20
R2 22824		<2	5	<1	11	<1	4	<2	<20	<5	<1	<20
R2 22825		4	8	3	2	2	3	8	61	<5	6	<20
R2 22926		<2	9	1	3	<1	4	19	<20	<5	2	<20
R2 22927		2	11	3	2	1	4	13	40	<5	3	<20
R2 22929		<2	13	<1	3	<1	2	12	<20	<5	<1	<20

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PROJECT: HORN

SAMPLE NUMBER	ELEMENT UNITS	Sr PPM	Ta PPM	Te PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM
R2 22801		13	<10	<10	2	<10	<1	5	15
R2 22802		66	<10	<10	56	<10	6	93	11
R2 22803		150	<10	13	98	<10	11	72	41
R2 22804		103	<10	<10	63	<10	3	193	20
R2 22805		1031	<10	28	101	<10	18	93	43
R2 22806		85	<10	<10	14	<10	3	5	17
R2 22807		19	<10	<10	55	<10	2	2	24
R2 22808		308	<10	<10	48	<10	4	12	4
R2 22809		149	<10	<10	74	<10	10	73	32
R2 22810		19	<10	<10	9	<10	5	11	31
R2 22811		10	<10	<10	7	<10	<1	7	9
R2 22812		28	<10	<10	6	<10	<1	8	12
R2 22813		98	<10	<10	66	<10	6	65	5
R2 22814		7	<10	<10	4	<10	1	5	6
R2 22815		72	<10	<10	22	<10	3	4	7
R2 22816		19	<10	<10	2	<10	<1	6	5
R2 22817		79	<10	<10	10	<10	2	5	16
R2 22818		60	<10	<10	10	<10	<1	4	5
R2 22819		53	<10	<10	11	<10	<1	4	12
R2 22820		153	<10	<10	7	<10	<1	4	2
R2 22821		14	<10	<10	4	<10	<1	9	9
R2 22822		6	<10	<10	1	<10	<1	6	6
R2 22823		34	<10	<10	3	<10	1	4	1
R2 22824		9	<10	<10	3	<10	<1	5	9
R2 22825		29	<10	<10	58	<10	9	20	9
R2 22926		18	<10	<10	12	<10	5	6	1
R2 22927		32	<10	<10	27	<10	8	26	4
R2 22929		81	<10	<10	19	<10	2	5	1

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Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V89-05219.0 (COMPLETE)

REFERENCE INFO: SHIPMENT #3

CLIENT: STETSON RESOURCE MANAGEMENT
PROJECT: HORN

SUBMITTED BY: J. WETHERILL
DATE PRINTED: 23-AUG-89

ORDER		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold - Fire Assay	32	5 PPB	FIRE-ASSAY	Fire Assay AA
2	Ag	Silver	32	0.2 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
3	As	Arsenic → not total	32	5 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
XRF → 4	Ba	Barium →	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
5	Be	~~Beryllium~~	32	0.5 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
6	Bi	Bismuth	32	2 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
7	Cd	Cadmium	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
8	Ca	Cerium	32	5 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
9	Co	Cobalt	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
10	Cr	Chromium — not total	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
11	Cu	Copper	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
12	Ga	Gallium	32	2 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
13	La	Lanthanum	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
14	Li	Lithium	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
15	Mo	Molybdenum → not total	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
16	Nb	Niobium →	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
17	Ni	Nickel	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
18	Pb	Lead	32	2 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
19	Rb	~~Rubidium~~ → not total	32	20 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
20	Sb	~~Antimony~~ →	32	5 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
21	Sc	Scandium	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
22	Sn	Tin	32	20 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
23	Sr	Strontium	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
24	Ta	Tantalum	32	10 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
25	Te	Tellurium	32	10 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
26	V	Vanadium	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
27	W	Tungsten	32	10 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
28	Y	Yttrium	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
29	Zn	Zinc	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
30	Zr	Zirconium	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma

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A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V89-05219.0 (COMPLETE)

REFERENCE INFO: SHIPMENT #3

CLIENT: STETSON RESOURCE MANAGEMENT
PROJECT: HORN

SUBMITTED BY: J. WETHERILL
DATE PRINTED: 23-AUG-89

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK OR BED ROCK	32	2 -150	32	CRUSH,PULVERIZE -150	32

REMARKS: Please note: We no longer offer 31 element
ICP package, so we are substituting 29 element
instead.

Assay of high Ag,Cu to follow on V89-05219.6

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PROJECT: HORN

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ca PPM	Co PPM	Cr PPM	Cu PPM
R2 7387		13	<0.2	<5	40	<0.5	<2	<1	13	<1	278	14
R2 7388		11	<0.2	<5	123	<0.5	<2	<1	29	<1	64	13
R2 7389		<5	0.4	<5	57	<0.5	<2	<1	<5	1	32	12
R2 7390		10	<0.2	<5	47	<0.5	<2	<1	<5	33	47	68
R2 7391		<5	<0.2	<5	63	<0.5	<2	<1	7	13	5	30
R2 7392		<5	<0.2	<5	60	<0.5	<2	<1	21	8	7	75
R2 7393		<5	<0.2	<5	65	<0.5	<2	<1	7	19	19	187
R2 7394		7	<0.2	20	112	<0.5	<2	<1	11	8	11	107
R2 7395		<5	<0.2	<5	107	<0.5	<2	<1	5	5	10	49
R2 7396		<5	<0.2	<5	138	<0.5	<2	<1	<5	3	9	22
R2 7397		<5	<0.2	<5	29	<0.5	<2	<1	<5	12	14	93
R2 7398		127	5.2	46	47	<0.5	<2	2	<5	2	172	28
R2 22930		<5	<0.2	<5	72	<0.5	<2	<1	5	20	19	207
R2 22931		570	>50.0	164	16	<0.5	<2	57	<5	10	<1	>20000
R2 22932		11	0.7	<5	278	<0.5	<2	<1	14	<1	21	442
R2 22933		<5	0.9	<5	62	<0.5	<2	<1	10	3	125	566
R2 22934		32	<0.2	<5	178	<0.5	<2	<1	51	<1	76	79
R2 22935		<5	<0.2	<5	114	<0.5	<2	<1	49	<1	65	59
R2 22936		<5	0.3	<5	140	<0.5	<2	<1	62	<1	55	90
R2 22937		<5	<0.2	<5	101	<0.5	<2	<1	41	<1	207	60
R2 22938		<5	<0.2	7	48	<0.5	<2	<1	13	<1	299	29
R2 22939		<5	<0.2	29	84	<0.5	<2	<1	43	20	51	29
R2 22940		6	<0.2	6	6	<0.5	<2	<1	<5	<1	368	7
R2 22941		<5	<0.2	<5	48	<0.5	<2	<1	45	<1	69	8
R2 22942		<5	<0.2	<5	15	<0.5	<2	<1	63	<1	33	4
R2 22943		6	<0.2	<5	394	<0.5	<2	2	14	15	53	327
R2 22944		9	<0.2	<5	599	<0.5	<2	<1	11	19	59	64
R2 22945		14	0.7	<5	87	<0.5	<2	<1	27	<1	33	37
R2 22946		17	2.2	<5	76	<0.5	<2	<1	6	<1	32	37
R2 22947		12	2.0	9	59	<0.5	<2	<1	9	3	118	35
R2 22948		85	4.4	<5	28	<0.5	<2	<1	6	12	16	76
R2 22949		<5	0.2	<5	145	<0.5	<2	<1	45	32	31	116

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DATE PRINTED: 23-AUG-89
PROJECT: HORN

SAMPLE NUMBER	ELEMENT UNITS	Ga PPM	La PPM	Li PPM	Mo PPM	Nb PPM	Ni PPM	Pb PPM	Rb PPM	Sb PPM	Sc PPM	S PP
R2 7387		<2	7	<1	2	<1	5	<2	<20	<5	<1	<2
R2 7388		<2	15	2	<1	<1	2	<2	<20	<5	<1	<2
R2 7389		<2	1	1	2	<1	3	6	<20	<5	1	<2
R2 7390		<2	<1	14	4	<1	19	<2	<20	<5	5	<2
R2 7391		7	3	10	4	2	17	<2	<20	<5	7	<2
R2 7392		3	9	6	2	2	2	10	<20	<5	1	<2
R2 7393		7	2	9	4	3	7	3	<20	<5	3	<2
R2 7394		7	4	8	3	3	8	3	<20	<5	2	<2
R2 7395		5	2	7	4	2	4	4	<20	<5	2	<20
R2 7396		6	<1	11	3	2	4	2	<20	<5	2	<20
R2 7397		<2	<1	7	4	<1	4	6	<20	<5	1	<20
R2 7398		<2	<1	<1	24	<1	4	8405	<20	<5	<1	<20
R2 22930		3	1	8	2	<1	4	24	<20	<5	3	<20
R2 22931		6	<1	<1	17	17	11	118	<20	<5	3	<20
R2 22932		8	5	2	3	<1	2	7	<20	<5	2	<20
R2 22933		2	5	8	<1	<1	6	6	<20	<5	3	<20
R2 22934		<2	24	<1	21	<1	2	<2	<20	<5	1	<20
R2 22935		<2	24	6	59	<1	3	<2	<20	<5	2	<20
R2 22936		<2	31	<1	25	<1	3	<2	<20	<5	1	<20
R2 22937		<2	22	<1	18	<1	3	<2	<20	<5	1	<20
R2 22938		<2	6	<1	32	1	5	3	<20	<5	<1	<20
R2 22939		5	18	33	10	2	10	<2	<20	<5	12	<20
R2 22940		<2	<1	<1	22	<1	6	11	<20	<5	<1	<20
R2 22941		<2	24	<1	33	<1	2	12	<20	<5	<1	<20
R2 22942		<2	33	<1	6	<1	1	<2	<20	<5	<1	<20
R2 22943		<2	6	15	10	<1	14	<2	<20	<5	8	<20
R2 22944		10	7	28	3	<1	30	<2	<20	<5	21	<20
R2 22945		<2	12	6	30	<1	5	37	<20	<5	3	<20
R2 22946		<2	3	7	11	<1	2	396	<20	<5	2	<20
R2 22947		<2	4	<1	11	<1	4	665	<20	<5	<1	<20
R2 22948		<2	<1	13	5	<1	10	438	<20	<5	2	<20
R2 22949		<2	21	<1	6	<1	6	<2	<20	<5	1	<20

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Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V89-05219.0

DATE PRINTED: 23-AUG-89
PROJECT: HORN

SAMPLE NUMBER	ELEMENT UNITS	Sr PPM	Ta PPM	Te PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM
R2 7387		4	<10	<10	3	<10	<1	3	7
R2 7388		14	<10	<10	4	<10	9	10	8
R2 7389		11	<10	<10	33	<10	<1	6	2
R2 7390		81	15	<10	140	<10	4	172	2
R2 7391		15	24	<10	170	<10	14	246	1
R2 7392		53	<10	<10	23	<10	5	42	1
R2 7393		69	<10	<10	69	<10	4	56	2
R2 7394		40	10	<10	53	<10	7	39	2
R2 7395		27	<10	<10	43	<10	4	28	2
R2 7396		39	<10	<10	48	<10	3	39	2
R2 7397		65	12	<10	26	<10	2	26	2
R2 7398		9	<10	<10	8	<10	<1	51	2
R2 22930		54	<10	<10	98	<10	6	211	6
R2 22931		42	24	361	<1	120	5	500	8
R2 22932		91	<10	<10	50	<10	2	6	6
R2 22933		9	<10	<10	24	<10	3	68	8
R2 22934		402	<10	<10	21	<10	7	5	3
R2 22935		288	<10	<10	57	<10	7	22	4
R2 22936		276	<10	<10	6	<10	5	10	3
R2 22937		353	<10	<10	8	<10	6	7	3
R2 22938		150	<10	<10	3	<10	2	4	1
R2 22939		972	13	<10	184	<10	19	159	2
R2 22940		7	<10	<10	3	<10	<1	4	<1
R2 22941		18	<10	<10	<1	<10	2	5	57
R2 22942		3	<10	<10	<1	<10	4	5	99
R2 22943		95	21	<10	111	<10	6	247	15
R2 22944		16	<10	<10	257	<10	6	162	2
R2 22945		108	<10	<10	39	<10	2	77	7
R2 22946		15	<10	<10	30	<10	2	135	15
R2 22947		64	<10	<10	7	<10	1	47	2
R2 22948		26	13	<10	28	<10	2	182	3
R2 22949		61	<10	<10	11	<10	5	46	8

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Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V89-05234.0 (COMPLETE)

REFERENCE INFO: SHIPMENT #3

CLIENT: STETSON RESOURCE MANAGEMENT
PROJECT: HORN

SUBMITTED BY: J. WETHERILL
DATE PRINTED: 21-AUG-89

ORDER		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold - Fire Assay	32	5 PPB	FIRE-ASSAY	Fire Assay AA
2	Ag	Silver	32	0.2 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
3	As	Arsenic	32	5 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
4	Ba	Barium	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
5	Be	Beryllium	32	0.5 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
6	Bi	Bismuth	32	2 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
7	Cd	Cadmium	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
8	Ce	Cerium	32	5 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
9	Co	Cobalt	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
10	Cr	Chromium	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
11	Cu	Copper	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
12	Ga	Gallium	32	2 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
13	La	Lanthanum	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
14	Li	Lithium	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
15	Mo	Molybdenum	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
16	Nb	Niobium	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
17	Ni	Nickel	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
18	Pb	Lead	32	2 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
19	Rb	Rubidium	32	20 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
20	Sb	Antimony	32	5 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
21	Sc	Scandium	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
22	Sn	Tin	32	20 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
23	Sr	Strontium	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
24	Ta	Tantalum	32	10 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
25	Te	Tellurium	32	10 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
26	V	Vanadium	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
27	W	Tungsten	32	10 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
28	Y	Yttrium	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
29	Zn	Zinc	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
30	Zr	Zirconium	32	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma

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A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V89-05234.0 (COMPLETE)

REFERENCE INFO: SHIPMENT #3

CLIENT: STETSON RESOURCE MANAGEMENT
PROJECT: HORN

SUBMITTED BY: J. WETHERILL
DATE PRINTED: 21-AUG-89

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK OR BED ROCK	32	2 -150	32	CRUSH,PULVERIZE -150	27

REMARKS: We do not offer a 31 element ICP package so we have run our 29 element ICP package in its place.

REPORT COPIES TO: #13-1155 MELVILLE STREET

INVOICE TO: #13-1155 MELVILLE STREET

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Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

DATE PRINTED: 21-AUG-89

REPORT: V89-15234.0 | PROJECT: HORN |

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ca PPM	Co PPM	Cr PPM	C PP
R2 22785		14	<0.2	46	67	56.3	7	<1	11	<1	60	13
R2 22786		24	<0.2	23	119	22.3	<2	<1	28	<1	83	16
R2 22787		8	<0.2	6	1977	1.6	<2	<1	<5	2	122	12
R2 22788		10	<0.2	12	42	6.6	<2	<1	6	4	137	33
R2 22789		15	0.4	14	66	8.5	<2	<1	<5	1	193	29
R2 22790		15	<0.2	<5	45	1.4	<2	<1	<5	<1	218	6
R2 22791		26	0.5	14	248	7.0	12	<1	10	<1	60	13
R2 22792		19	0.3	<5	180	1.3	<2	<1	<5	<1	202	6
R2 22793		11	<0.2	6	116	1.9	<2	<1	<5	<1	172	8
R2 22794		50	0.5	13	359	2.0	<2	<1	<5	2	303	25
R2 22795		9	<0.2	25	178	24.0	63	<1	8	<1	130	12
R2 22796		9	<0.2	<5	499	2.3	<2	<1	<5	1	227	11
R2 22797		23	<0.2	30	55	32.1	<2	<1	13	<1	296	134
R2 22798		26	0.4	11	224	4.8	6	<1	11	<1	102	9
R2 22799		123	<0.2	<5	21	5.4	<2	<1	<5	1	339	18
R2 22800		14	0.3	41	120	29.3	2	<1	12	<1	112	68
R2 22901		<5	<0.2	<5	11	2.4	<2	<1	<5	<1	219	11
R2 22902		8	<0.2	<5	395	2.3	<2	<1	<5	1	316	9
R2 22903		9	<0.2	7	465	4.9	<2	<1	<5	19	231	11
R2 22904		9	0.6	21	18	30.4	<2	<1	32	2	241	180
R2 22905		57	<0.2	52	41	82.9	48	1	<5	457	168	23
R2 22906		21	<0.2	330	38	69.7	<2	<1	16	1	77	184
R2 22907		<5	<0.2	8	14	4.7	<2	<1	5	2	496	17
R2 22908		7	<0.2	14	770	4.0	3	<1	7	1	194	10
R2 22909		<5	0.2	22	109	24.0	<2	<1	35	<1	87	45
R2 22910		<5	<0.2	<5	150	1.5	6	<1	<5	<1	102	7
R2 22911		5	<0.2	6	241	3.5	<2	<1	7	<1	191	7
R2 22912		<5	<0.2	12	40	6.6	<2	<1	11	3	270	23
R2 22913		11	0.6	79	54	27.1	5	<1	15	<1	71	125
R2 22914		6	1.8	17	31	16.7	12	<1	<5	8	157	68
R2 22915		16	<0.2	16	11	12.2	<2	<1	<5	8	189	61
R2 22916		<5	<0.2	72	19	138.7	<2	2	<5	<1	22	477

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Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V89-05234.0

DATE PRINTED: 21-AUG-89

PROJECT: HORN

SAMPLE NUMBER	ELEMENT UNITS	Ga PPM	La PPM	Li PPM	Mo PPM	Nb PPM	Ni PPM	Pb PPM	Rb PPM	Sb PPM	Sc PPM	S PP
R2 22785		7	<1	<1	39	<1	<1	143	<20	<5	2	<20
R2 22786		2	5	<1	75	<1	2	8	<20	<5	2	<20
R2 22787		<2	3	<1	<1	<1	3	29	<20	<5	<1	<20
R2 22788		<2	<1	<1	14	<1	4	6	<20	<5	<1	<20
R2 22789		<2	<1	<1	48	<1	5	7	<20	<5	<1	<20
R2 22790		<2	<1	<1	5	<1	5	2	<20	<5	<1	<20
R2 22791		6	1	3	33	<1	2	29	<20	<5	1	<20
R2 22792		<2	<1	<1	2	<1	5	32	<20	<5	<1	<20
R2 22793		<2	<1	<1	15	<1	5	9	<20	<5	<1	<20
R2 22794		<2	<1	<1	24	<1	7	22	<20	<5	<1	<20
R2 22795		6	<1	<1	41	<1	6	202	62	<5	<1	<20
R2 22796		<2	<1	<1	11	<1	6	12	<20	<5	<1	<20
R2 22797		8	<1	2	7	<1	4	15	<20	<5	4	<20
R2 22798		<2	3	<1	7	<1	2	37	80	<5	2	<20
R2 22799		<2	<1	<1	5	<1	6	14	24	<5	<1	<20
R2 22800		13	<1	3	90	<1	3	45	<20	<5	2	<20
R2 22901		<2	<1	<1	<1	<1	5	<2	<20	<5	<1	<20
R2 22902		<2	<1	<1	18	<1	8	3	<20	<5	<1	<20
R2 22903		<2	<1	<1	23	<1	8	5	<20	<5	3	<20
R2 22904		4	5	<1	18	<1	14	6	78	<5	1	<20
R2 22905		10	<1	4	12	<1	37	7	84	<5	3	<20
R2 22906		16	<1	<1	93	<1	<1	16	<20	<5	5	<20
R2 22907		<2	<1	<1	2	<1	8	<2	<20	<5	<1	<20
R2 22908		<2	2	<1	3	<1	6	97	64	<5	<1	<20
R2 22909		18	10	27	5	2	6	2	56	<5	6	<20
R2 22910		<2	1	<1	2	<1	7	27	<20	<5	<1	<20
R2 22911		<2	2	<1	3	<1	5	11	<20	<5	2	<20
R2 22912		<2	2	<1	4	<1	6	9	22	<5	4	<20
R2 22913		3	3	<1	17	<1	5	17	53	<5	6	<20
R2 22914		<2	<1	1	7	<1	6	116	<20	<5	1	<20
R2 22915		<2	<1	<1	12	<1	5	8	26	<5	1	<20
R2 22916		8	<1	<1	19	<1	<1	7	113	<5	2	<20

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Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V89-05234.0

DATE PRINTED: 21-AUG-89

PROJECT: HORN

SAMPLE NUMBER	ELEMENT UNITS	Sr PPM	Ta PPM	Te PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM
R2 22785		41	<10	<10	34	<10	2	<1	13
R2 22786		151	<10	<10	20	<10	4	4	10
R2 22787		87	<10	<10	5	<10	2	4	7
R2 22788		9	<10	<10	4	<10	<1	4	18
R2 22789		9	<10	<10	3	<10	<1	7	6
R2 22790		7	<10	<10	2	<10	<1	5	14
R2 22791		128	<10	<10	16	<10	1	5	35
R2 22792		18	<10	<10	5	<10	<1	5	12
R2 22793		6	<10	<10	2	<10	<1	7	8
R2 22794		5	<10	<10	3	<10	<1	7	20
R2 22795		66	<10	<10	13	<10	<1	5	21
R2 22796		10	<10	<10	5	<10	<1	5	6
R2 22797		15	<10	<10	129	<10	2	8	5
R2 22798		24	<10	<10	17	<10	1	7	36
R2 22799		5	<10	<10	7	<10	<1	14	2
R2 22800		61	<10	<10	43	<10	3	12	20
R2 22901		11	<10	<10	12	<10	<1	8	6
R2 22902		17	<10	<10	5	<10	<1	7	<1
R2 22903		45	<10	<10	5	<10	<1	5	4
R2 22904		41	<10	<10	45	<10	2	16	3
R2 22905		13	10	18	28	<10	3	44	<1
R2 22906		89	<10	<10	58	<10	3	<1	9
R2 22907		3	<10	<10	5	<10	<1	12	1
R2 22908		44	<10	<10	8	<10	3	11	13
R2 22909		119	<10	<10	87	<10	4	101	23
R2 22910		49	<10	<10	15	<10	<1	9	5
R2 22911		35	<10	<10	9	<10	1	6	23
R2 22912		32	<10	<10	8	<10	<1	5	17
R2 22913		123	<10	<10	29	<10	1	3	24
R2 22914		30	<10	<10	7	<10	1	4	27
R2 22915		7	<10	<10	7	<10	<1	4	8
R2 22916		8	<10	<10	28	20	2	<1	6

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Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V89-05233.0 (COMPLETE)

REFERENCE INFO: SHIPMENT #3

CLIENT: STETSON RESOURCE MANAGEMENT
PROJECT: HORN

SUBMITTED BY: J. WETHERILL
DATE PRINTED: 29-AUG-89

ORDER		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold - Fire Assay	41	5 PPB	FIRE-ASSAY	Fire Assay AA
2	Ag	Silver	41	0.2 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
3	As	Arsenic	41	5 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
4	Ba	Barium	41	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
5	Be	Beryllium	41	0.5 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
6	Bi	Bismuth	41	2 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
7	Cd	Cadmium	41	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
8	Ce	Cerium	41	5 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
9	Co	Cobalt	41	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
10	Cr	Chromium	41	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
11	Cu	Copper	41	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
12	Ga	Gallium	41	2 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
13	La	Lanthanum	41	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
14	Li	Lithium	41	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
15	Mo	Molybdenum	41	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
16	Nb	Niobium	41	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
17	Ni	Nickel	41	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
18	Pb	Lead	41	2 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
19	Rb	Rubidium	41	20 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
20	Sb	Antimony	41	5 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
21	Sc	Scandium	41	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
22	Sn	Tin	41	20 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
23	Sr	Strontium	41	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
24	Ta	Tantalum	41	10 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
25	Te	Tellurium	41	10 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
26	V	Vanadium	41	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
27	W	Tungsten	41	10 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
28	Y	Yttrium	41	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
29	Zn	Zinc	41	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
30	Zr	Zirconium	41	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma

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A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V89-05233.0 (COMPLETE)

REFERENCE INFO: SHIPMENT #3

CLIENT: STETSON RESOURCE MANAGEMENT
PROJECT: HORN

SUBMITTED BY: J. WETHERILL
DATE PRINTED: 29-AUG-89

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK OR BED ROCK	41	2 -150	41	CRUSH,PULVERIZE -150	41

REMARKS: We do not offer a 31 element ICP package so we have run our 29 element ICP package in its place.

REPORT COPIES TO: [illegible]

INVOICE TO: [illegible]

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Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

DATE PRINTED: 29-AUG-89

REPORT: V89-05233.0

PROJECT: HORN

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM	Cu PPM
R2 JW-A		<5	<0.2	<5	56	5.1	<2	<1	29	7	22	31
R2 JW-B		14	0.3	<5	64	4.7	3	<1	23	6	90	192
R2 JW-C		<5	<0.2	<5	30	11.3	<2	<1	15	15	42	67
R2 JW-D		<5	<0.2	9	16	1.8	<2	<1	<5	<1	226	12
R2 JW-E		<5	<0.2	24	205	2.2	<2	<1	<5	<1	38	5
R2 JW-F		18	<0.2	40	44	45.2	<2	<1	<5	<1	44	77
R2 JW-G		9	0.4	<5	8	6.1	<2	<1	5	4	351	25
R2 JW-H		<5	<0.2	<5	296	5.7	<2	<1	33	10	31	25
R2 JW-I1		<5	<0.2	6	247	7.4	<2	<1	8	9	98	11
R2 JW-I2		<5	<0.2	<5	607	3.0	<2	<1	9	<1	48	7
R2 JW-J		<5	<0.2	<5	145	1.2	<2	<1	<5	<1	310	10
R2 JW-K		<5	<0.2	<5	541	3.0	<2	<1	<5	<1	282	11
R2 JW-L		<5	<0.2	109	85	11.7	2	<1	<5	<1	43	25
R2 JW-M		<5	<0.2	7	35	28.4	<2	<1	7	6	26	74
R2 JW-N		<5	<0.2	<5	915	13.3	<2	<1	12	11	48	79
R2 JW-O		14	0.2	<5	241	15.2	3	<1	8	11	29	171
R2 22751		<5	<0.2	13	319	7.0	<2	<1	17	<1	75	17
R2 22752		<5	<0.2	<5	30	3.6	<2	<1	<5	2	305	17
R2 22753		<5	<0.2	<5	381	8.9	<2	<1	10	9	65	31
R2 22754		<5	<0.2	<5	28	2.1	<2	<1	<5	<1	438	22
R2 22755		<5	<0.2	7	796	8.4	<2	<1	14	<1	143	38
R2 22756		<5	<0.2	<5	192	1.5	<2	<1	7	<1	237	17
R2 22757		<5	<0.2	<5	416	11.5	<2	<1	12	19	112	53
R2 22758		<5	<0.2	<5	990	1.1	<2	<1	5	1	215	9
R2 22759		<5	<0.2	12	745	9.7	<2	<1	66	<1	170	16
R2 22760		<5	<0.2	8	64	12.6	<2	<1	<5	<1	321	87
R2 22761		<5	<0.2	<5	675	1.6	<2	<1	8	1	216	17
R2 22762		<5	<0.2	<5	146	1.2	<2	<1	8	<1	397	10
R2 22763		<5	<0.2	<5	729	1.2	<2	<1	6	<1	185	6
R2 22764		<5	<0.2	<5	889	0.7	<2	<1	8	<1	210	5
R2 22765		<5	<0.2	<5	1780	1.8	<2	<1	11	1	205	8
R2 22766		<5	<0.2	<5	1840	2.8	<2	<1	14	2	93	10
R2 22767		<5	<0.2	14	95	31.9	<2	1	<5	<1	70	60
R2 22768		<5	<0.2	<5	152	1.2	<2	<1	<5	<1	279	8
R2 22769		<5	<0.2	14	429	8.0	<2	<1	6	<1	146	17
R2 22770		<5	<0.2	81	46	57.7	3	1	<5	<1	100	77
R2 22771		<5	<0.2	15	94	10.3	<2	<1	5	<1	169	21
R2 22772		<5	<0.2	6	800	3.2	<2	<1	7	1	157	8
R2 22773		<5	0.5	<5	1527	2.9	<2	<1	28	2	139	6
R2 22774		<5	<0.2	54	201	89.4	<2	<1	<5	2	44	390

Bondar-Clegg & Company Ltd.
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SAMPLE NUMBER	ELEMENT UNITS	Ga PPM	La PPM	Li PPM	Mo PPM	Nb PPM	Ni PPM	Pb PPM	Rb PPM	Sb PPM	Sc PPM	Sr PPM
R2 JW-A		2	16	6	1	2	2	2	<20	<5	1	<20
R2 JW-B		7	11	15	<1	2	5	5	<20	<5	4	<20
R2 JW-C		6	7	8	3	<1	3	6	92	<5	4	<20
R2 JW-D		<2	3	<1	<1	<1	4	6	46	<5	<1	<20
R2 JW-E		<2	1	<1	2	<1	2	4	34	<5	2	<20
R2 JW-F		7	<1	<1	16	<1	<1	12	<20	<5	2	<20
R2 JW-G		3	<1	<1	1	<1	5	5	<20	<5	<1	<20
R2 JW-H		6	19	11	<1	4	5	3	44	<5	4	<20
R2 JW-I1		2	2	1	3	<1	3	<2	<20	<5	1	<20
R2 JW-I2		<2	3	<1	<1	<1	1	12	<20	<5	<1	<20
R2 JW-J		<2	<1	<1	5	<1	7	14	<20	<5	<1	<20
R2 JW-K		<2	<1	<1	2	<1	4	4	35	<5	<1	<20
R2 JW-L		5	2	<1	6	<1	<1	43	44	<5	6	<20
R2 JW-M		17	3	22	18	<1	<1	14	30	<5	5	<20
R2 JW-N		13	6	19	3	2	14	7	93	<5	8	<20
R2 JW-O		10	4	44	46	2	5	17	146	<5	7	<20
R2 22751		6	7	4	6	<1	2	20	<20	<5	3	<20
R2 22752		3	1	2	<1	<1	7	<2	76	<5	<1	<20
R2 22753		<2	4	<1	<1	<1	2	3	<20	<5	1	<20
R2 22754		<2	<1	<1	3	<1	5	<2	26	<5	<1	<20
R2 22755		3	5	2	7	<1	2	9	26	<5	1	<20
R2 22756		<2	3	<1	<1	<1	5	<2	21	<5	<1	<20
R2 22757		6	4	1	2	<1	7	3	<20	<5	3	<20
R2 22758		<2	3	<1	<1	<1	5	4	<20	<5	1	<20
R2 22759		3	32	2	2	<1	4	3	<20	<5	2	<20
R2 22760		<2	<1	<1	2	<1	8	<2	<20	<5	<1	<20
R2 22761		<2	4	<1	1	<1	5	7	<20	<5	<1	<20
R2 22762		<2	4	<1	6	<1	6	<2	21	<5	<1	<20
R2 22763		<2	3	<1	15	<1	3	4	<20	<5	<1	<20
R2 22764		<2	4	<1	11	<1	3	5	<20	<5	<1	<20
R2 22765		<2	9	<1	2	<1	3	3	101	<5	5	<20
R2 22766		<2	13	<1	1	<1	2	19	70	<5	1	<20
R2 22767		6	<1	<1	4	<1	<1	5	63	<5	1	<20
R2 22768		<2	1	<1	<1	<1	6	6	<20	<5	<1	<20
R2 22769		2	3	<1	8	<1	2	3	48	<5	<1	<20
R2 22770		5	<1	<1	15	<1	<1	4	<20	<5	2	<20
R2 22771		<2	<1	<1	2	<1	3	<2	<20	<5	<1	<20
R2 22772		<2	3	<1	<1	<1	3	5	59	<5	<1	<20
R2 22773		<2	17	<1	<1	<1	5	13	<20	<5	2	<20
R2 22774		13	<1	6	6	<1	3	17	<20	6	6	<20

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SAMPLE NUMBER	ELEMENT UNITS	Sr PPM	Ta PPM	Te PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM
R2 JW-A		13	<10	<10	22	<10	11	37	18
R2 JW-B		31	<10	<10	33	<10	7	62	7
R2 JW-C		12	<10	<10	44	<10	9	34	16
R2 JW-D		22	<10	<10	9	<10	<1	14	1
R2 JW-E		74	<10	<10	8	<10	2	4	5
R2 JW-F		11	<10	<10	38	<10	2	10	20
R2 JW-G		4	<10	<10	4	<10	<1	7	15
R2 JW-H		61	<10	<10	12	<10	8	49	15
R2 JW-I1		29	<10	<10	10	<10	1	5	29
R2 JW-I2		105	<10	<10	5	<10	<1	6	8
R2 JW-J		45	<10	<10	3	<10	<1	13	<1
R2 JW-K		19	<10	<10	5	<10	<1	6	<1
R2 JW-L		55	<10	<10	36	<10	1	13	8
R2 JW-M		19	<10	<10	79	<10	4	363	5
R2 JW-N		85	<10	10	101	<10	5	128	7
R2 JW-O		30	<10	<10	94	<10	5	109	4
R2 22751		59	<10	<10	29	<10	3	20	29
R2 22752		12	<10	<10	13	<10	1	27	7
R2 22753		36	<10	<10	16	<10	2	3	12
R2 22754		6	<10	<10	5	<10	<1	4	<1
R2 22755		35	<10	<10	16	<10	2	8	3
R2 22756		12	<10	<10	8	<10	<1	8	2
R2 22757		41	<10	<10	39	<10	3	32	7
R2 22758		51	<10	<10	6	<10	<1	7	<1
R2 22759		101	<10	<10	17	<10	3	6	1
R2 22760		25	<10	<10	40	<10	<1	5	<1
R2 22761		37	<10	<10	5	<10	1	6	<1
R2 22762		11	<10	<10	3	<10	<1	4	<1
R2 22763		49	<10	<10	5	<10	<1	5	<1
R2 22764		63	<10	<10	3	<10	<1	6	<1
R2 22765		90	<10	<10	20	<10	<1	4	<1
R2 22766		61	<10	<10	11	<10	3	6	1
R2 22767		12	<10	<10	42	<10	1	6	17
R2 22768		20	<10	<10	5	<10	<1	7	1
R2 22769		26	<10	<10	75	<10	1	3	1
R2 22770		8	<10	<10	263	<10	2	6	1
R2 22771		14	<10	<10	53	<10	<1	1	<1
R2 22772		51	<10	<10	9	<10	<1	4	<1
R2 22773		67	<10	<10	5	<10	4	3	<1
R2 22774		14	11	<10	128	11	2	49	5

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM	C PP
R2 22775		<5	<0.2	6	276	8.5	<2	<1	<5	17	55	6

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SAMPLE NUMBER	ELEMENT UNITS	Ga PPM	La PPM	Li PPM	Mo PPM	Nb PPM	Ni PPM	Pb PPM	Rb PPM	Sb PPM	Sc PPM	Sn PPM
R2 22775		3	1	1	<1	<1	7	2	<20	<5	2	<20

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SAMPLE NUMBER	ELEMENT UNITS	Sr PPM	Ta PPM	Te PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM
R2 22775		14	<10	<10	15	<10	<1	2	<1

APPENDIX III

Correlation Charts

```
Gold - Fire Assay ( AU      )
-1.000                    0.000                    1.000
 |-------------------------|-------------------------|
AG |                         |************************|   0.957#   133
AS |                         |**********               |   0.382#   133
BA |                      ***|                         |  -0.111    133
BE |                        *|                         |  -0.022    133
BI |                         |*                        |   0.027    133
CD |                         |***********************  |   0.938#   133
CE |                        *|                         |  -0.057    133
CO |                         |**                       |   0.077    133
CR |                       **|                         |  -0.083    133
CU |                         |***********************  |   0.933#   133
GA |                         |*                        |   0.046    133
LA |                       **|                         |  -0.067    133
LI |                        *|                         |  -0.043    133
MO |                         |**                       |   0.083    133
NB |                         |*******************      |   0.766#   133
NI |                         |***                      |   0.128    133
PB |                         |*****                    |   0.200#   133
RB |                        *|                         |  -0.037    133
SB |                         *                         |  -0.016    133
SC |                         *                         |   0.003    133
SN |                         |                         |   *.***    133
SR |                        *|                         |  -0.032    133
TA |                         |*************            |   0.504#   133
TE |                         |***********************  |   0.934#   133
 V |                       **|                         |  -0.083    133
 W |                         |***********************  |   0.923#   133
 Y |                         |*                        |   0.040    133
ZN |                         |**************           |   0.546#   133
ZR |                        *|                         |  -0.024    133
 |-------------------------|-------------------------|
-1.000                    0.000                    1.000
```

```
Silver ( AG      )
-1.000                         0.000                         1.000
 |------------------------------|------------------------------|
AU  |                              |************************|   0.957#    133
AS  |                              |*********                 |   0.371#    133
BA  |                            **|                          |  -0.074     133
BE  |                             *|                          |  -0.056     133
BI  |                              *                          |  -0.017     133
CD  |                              |*************************    0.988#    133
CE  |                            **|                          |  -0.062     133
CO  |                              *                          |   0.000     133
CR  |                           ***|                          |  -0.118     133
CU  |                              |*************************    0.987#    133
GA  |                              |*                         |   0.048     133
LA  |                            **|                          |  -0.065     133
LI  |                             *|                          |  -0.036     133
MO  |                              |*                         |   0.038     133
NB  |                              |*********************     |   0.823#    133
NI  |                              |**                        |   0.092     133
PB  |                              |***                       |   0.109     133
RB  |                            **|                          |  -0.062     133
SB  |                              *                          |  -0.020     133
SC  |                              *                          |   0.009     133
SN  |                              |                          |   *.***     133
SR  |                             *|                          |  -0.026     133
TA  |                              |*************             |   0.525#    133
TE  |                              |*************************    0.984#    133
V   |                            **|                          |  -0.076     133
W   |                              |************************|   0.977#    133
Y   |                              |*                         |   0.051     133
ZN  |                              |***************           |   0.583#    133
ZR  |                              *                          |  -0.018     133
 |------------------------------|------------------------------|
-1.000                         0.000                         1.000
```

```
     Copper ( CU      )
     -1.000                    0.000                    1.000
        |-------------------------|-------------------------|
AU      |                         |***********************  |   0.933#    133
AG      |                         |*************************    0.987#    133
AS      |                         |**********               |   0.384#    133
BA      |                       **|                         |  -0.064     133
BE      |                         *                         |  -0.018     133
BI      |                        *|                         |  -0.022     133
CD      |                         |*************************    0.998#    133
CE      |                        *|                         |  -0.058     133
CO      |                         *                         |   0.003     133
CR      |                      ***|                         |  -0.118     133
GA      |                         |**                       |   0.086     133
LA      |                       **|                         |  -0.062     133
LI      |                        *|                         |  -0.030     133
MO      |                         |*                        |   0.043     133
NB      |                         |*********************    |   0.839#    133
NI      |                         |**                       |   0.094     133
PB      |                         *                         |   0.000     133
RB      |                        *|                         |  -0.037     133
SB      |                         *                         |  -0.014     133
SC      |                         |*                        |   0.037     133
SN      |                         |                         |   *.***     133
SR      |                         *                         |  -0.018     133
TA      |                         |*************            |   0.530#    133
TE      |                         |*************************    0.995#    133
 V      |                        *|                         |  -0.047     133
 W      |                         |*************************    0.993#    133
 Y      |                         |**                       |   0.074     133
ZN      |                         |**************           |   0.579#    133
ZR      |                         *                         |  -0.015     133
        |-------------------------|-------------------------|
     -1.000                    0.000                    1.000
```

```
Zinc ( ZN      )
-1.000                     0.000                        1.000
 |-------------------------|---------------------------|
AU  |                         |**************              |   0.546#   133
AG  |                         |***************             |   0.583#   133
AS  |                         |***                         |   0.137    133
BA  |                     ****|                            |  -0.141    133
BE  |                        *|                            |  -0.043    133
BI  |                        *|                            |  -0.043    133
CD  |                         |**************              |   0.574#   133
CE  |                         *                            |  -0.005    133
CO  |                         |**                          |   0.085    133
CR  |                *********|                            |  -0.362#   133
CU  |                         |**************              |   0.579#   133
GA  |                         |********                    |   0.326#   133
LA  |                         *                            |   0.003    133
LI  |                         |************                |   0.480#   133
MO  |                        *|                            |  -0.039    133
NB  |                         |****************            |   0.625#   133
NI  |                         |********                    |   0.334#   133
PB  |                         |*                           |   0.057    133
RB  |                         *                            |   0.011    133
SB  |                        *|                            |  -0.058    133
SC  |                         |************                |   0.492#   133
SN  |                         |                            |   *.***    133
SR  |                         |***                         |   0.132    133
TA  |                         |*****************           |   0.682#   133
TE  |                         |**************              |   0.577#   133
V   |                         |***********                 |   0.439#   133
W   |                         |**************              |   0.561#   133
Y   |                         |***********                 |   0.427#   133
ZR  |                        *|                            |  -0.020    133
 |-------------------------|---------------------------|
-1.000                     0.000                        1.000
```

APPENDIX IV

Heavy Mineral Concentrate Data

watch glasses

OREX Laboratories Ltd.
APPLIED MINERALOGY
626 - 510 W. Hastings St., Vancouver, B.C. Canada V6B 1L6
Telephone: (604) 681-8999
Fax: (604) 681-8775

SILT SEDIMENT DATA

SAMPLE Nº	Weight (Kg)	GRAVITY CONCENTRATE: Weight (g)	MINERALS	%	PARTICLE SIZE ANALYSIS FOR .... Nº OF PARTICLES/ FLATTENING (In different size ranges - microns): ↓ 1600 ↓ 800 ↓ 400 ↓ 200 ↓ 100 ↓ 50 ↓ 25 ↓								OBSERVATIONS
AM-03		7.00	Magnetite Hematite Pyrite Others (light)	60 5 2 33					1/1				Gold very angular.
G-207		3.5	Magnetite Hematite? Garnet Others (Light)	40 20 5 35									No gold observed.
AM-06		8.60	Magnetite Hematite Ilmenite others	25 25 5 45					1/1				Gold angular.
G-204		9.80	Magnetite Hematite? Garnet others (Light)	20 60 10 10									No gold.
SW-9+02		6.00	Magnetite Ilmenite Pyrite others	30 5 2 63									
SW-14+00		8.90	Magnetite Pyrite Ilmenite Others	50 1 1 48									
G-202		9.30	Magnetite Hematite Ilmenite [illegible] others (Light)	30 [illegible] [illegible] [illegible] 15									
SW-3+54		7.00	Magnetite Ilmenite Pyrite Others	70 [illegible] [illegible] [illegible]							1/1		Gold angular
SW-15+17		6.30	Magnetite pyrite Ilmenite others	30 20 2 48									
G-206		7.50	Magnetite Unident. blk. mnrl. Pyrite	60 10 2									

OREX Laboratories Ltd.
APPLIED MINERALOGY
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Fax: (604) 681-8775

SILT SEDIMENT DATA

SAMPLE Nº	Weight (Kg)	GRAVITY CONCENTRATE Weight (g)	HEAVY MINERALS	%	PARTICLE SIZE ANALYSIS FOR .... Nº OF PARTICLES/ FLATTENING (In different size ranges - microns) ▼ 1600	▼ 800	▼ 400	▼ 200	▼ 100	▼ 50	▼ 25	▼	OBSERVATIONS
SW-13+00			Magnetite oxid. pyrite Others	70 2 28									No Gold was observed.
SW-5+03		5.25	Magnetite ox. pyrite Others	50 2 38									No gold observed.
STU-02		6.00	Magnetite Hematite Garnet others	20 5 30 45									No gold.
SW-17+25		10.80	Pyrite Magnetite Others	70 20 10									No gold.
SW-5+878		3.40	Magnetite Pyrite others (Light)	10 1 90							2/1		
SW-6+76		6.90	Magnetite Pyrite Barite? Others	40 15 5 40									No gold observed.
SD-02		7.00	Magnetite Pyrite Others	50 10 40					1/2				gold is very angular (jagged)
SW-12+05		9.00	magnetite Pyrite Ilmenite others (light)	60 10 5 25									
G-201		8.70	Magnetite Hematite Garnet Others (Light)	30 30 5 35									
AM-05		11.50	Magnetite Ilmenite Pyrite Others	25 50 2 23					2/2	23/1			

OREX Laboratories Ltd.
APPLIED MINERALOGY
626 - 510 W. Hastings St., Vancouver, B.C., Canada — V6B 1L8
Telephone: (604) 681-8999
Fax: (604) 681-8775

SILT SEDIMENT DATA

SAMPLE Nº	Weight (Kg)	GRAVITY CONCENTRATE												OBSERVATIONS
		Weight (g)	MINERALS	%	PARTICLE SIZE ANALYSIS FOR .... Nº OF PARTICLES/ FLATTENING (In different size ranges - microns)									
					▼ 1600	▼ 800	▼ 400	▼ 200	▼ 100	▼ 50	▼ 25	▼		
5W-0+86		11.2	Magnetite Hematite Ilmenite Pyrite + others	50 10 10 28										—

APPENDIX V

Heavy Mineral Concentrate Assay Results

COMP: OREX LABORATORIES LTD. **MIN-EN LABS — ICP REPORT** FILE NO: 9V-1433-CJ1

PROJ: STET 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 DATE: OCT-28-89

ATTN: C.SIOUX (604)980-5814 OR (604)988-4524 * TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB
AN-03	3.1	7120	1	18	55	.1	21	1650	.1	80	67	377050	380	5	6830	668	1	110	1	720	6	1	19	1	1	785.9	130	1	1	3	140	14340
AN-05	2.7	7480	1	12	51	.1	16	4090	.1	58	53	224570	330	7	8120	677	1	60	1	470	34	3	18	1	1	762.7	91	1	1	3	82	17200
AN-06	2.7	9020	1	20	165	.1	22	5170	.1	72	89	336430	590	7	9200	886	1	90	1	500	26	1	21	1	1	1216.9	115	1	1	4	121	646
G-201	.5	1400	1	12	332	.1	6	260	.1	30	19	227430	370	1	660	83	1	40	1	180	12	1	14	1	1	770.3	58	1	1	2	7	2
G-202	1.1	1120	1	9	1468	.1	9	260	.1	30	16	206130	220	1	550	65	1	30	1	170	12	1	19	1	1	734.0	49	1	1	2	1	90
G-204	1.3	930	1	9	537	.1	10	230	.1	29	18	174700	270	1	480	91	3	40	1	220	14	1	30	1	1	551.1	43	1	1	1	1	78
G-206	.1	4020	1	22	196	.1	1	320	.1	51	56	444640	1530	1	1890	264	1	250	1	370	1	1	16	1	1	1079.6	101	1	1	2	1	9
G-207	1.3	3060	1	13	267	.1	10	460	.1	39	38	238930	800	5	3530	368	1	90	1	320	18	1	17	1	1	751.6	67	1	1	2	40	16
SD-02	3.3	12100	1	18	72	.1	21	7790	.1	137	123	357890	2000	10	10070	1044	1	110	1	500	48	1	19	1	1	617.5	130	1	1	5	323	2295
STU-02K	.6	890	1	8	237	.1	5	300	.1	26	15	182160	390	1	410	65	1	50	1	180	10	2	13	1	1	641.4	49	1	1	2	13	339
SW-0+86	1.7	10030	1	17	156	.1	12	2300	.1	70	76	403730	2410	6	7930	1034	1	140	1	610	32	1	19	1	1	1233.0	154	1	1	7	463	850
SW-3+64	2.0	10300	1	19	125	.1	13	1880	.1	78	98	429400	2650	7	8680	844	1	190	1	480	19	1	26	1	1	1133.8	161	1	1	5	234	2375
SW-5+03K	2.2	8710	1	20	307	.1	14	2100	.1	89	78	436900	2170	7	8840	1033	1	150	1	380	6	1	20	1	1	1062.4	147	1	1	6	383	11
SW-5+87BK	1.4	24330	1	1	410	.5	13	3260	.1	31	91	120590	6780	15	20600	1379	7	580	14	1350	131	14	54	1	1	315.1	147	1	1	2	61	367
SW-6+76K	1.5	14380	1	9	143	.1	12	2170	.1	76	86	315000	3700	9	10980	786	1	240	1	970	239	1	35	1	1	663.6	127	1	1	3	91	172
SW-9+82	4.8	14780	1	10	193	.1	39	4800	.1	118	120	290960	2550	11	17708	1648	3	220	1	530	122	8	28	1	1	687.5	185	1	5	5	216	150
SW-12+05	6.9	10640	1	16	109	.1	55	3840	.1	125	107	366180	1990	7	14210	1272	1	180	1	690	84	4	21	1	1	924.6	214	1	3	6	248	120
SW-14+00	3.2	12270	1	16	139	.1	25	4530	.1	115	122	377910	2570	9	10830	1215	1	260	1	460	91	1	22	1	1	864.1	179	1	1	5	247	42
SW-15+17	3.9	9830	1	15	89	.1	12	6160	.1	250	430	338540	1830	7	8650	490	1	70	1	560	26	1	26	1	1	372.8	97	1	1	3	203	2110
SW-17+25K	7.8	10220	2	13	67	.1	15	6260	.1	309	499	318640	1430	7	9040	1208	1	80	1	800	295	2	25	1	1	301.3	326	1	1	2	56	1670

APPENDIX VI

Rock Sample Descriptions

TABLE 2
ROCK SAMPLE DESCRIPTIONS

SAMPLE NO.	LOCATION	DESCRIPTION	STRIKE & DIP	WIDTH
22785	7+00m S of dry wash	Ferrocrete, multilithic	Float	-
22786	6+65m S of dry wash	Sericite schist with green tinge, quartz veinlet fragments	Float	-
22787	6+00m S of dry wash	Quartz, fine grained, grey, %15 vugs, minor finely disseminated sulphides	Float	-
22788	5+75m S of 0+20 W	Quartz, massive, grey, amorphous, yellow color locally, minor rust, sucrosic	Talus	-
22789	5+75 S of 0+20 W	Quartz, very rusty, grey, pyritic, yellow on W/S	Float	-
22790	2+50m S of 0+00	Quartz-Rhy., white, minor vugs, disseminated pyrite	Talus	-
22791	3+70m S of 0+75m W	Clay - Chalky white, minor rust to buff color on weathered surface	-	15m
22792	4+00m S	Clay with sand like particles and small quartz fragments	-	1m
22793	4+00m S	Quartz - rhyolite crackle breccia, speculiter minor pyrite	Talus	-
22794	L6+00S 0+05W	Quartz, opaline, iridescent scheen	Talus	-
22795	L6+00S 1+75W	Andesite, orange rust to maroon and buff, slaty, kaolinized, with brecciated quartz veinlet	Talus	-
22796	L6+00S 1+80W	Quartz, black, minor druses, very minor bright red mineral	Talus	-
22797	L6+00S 1+80W	Quartz, dark brown and very rusty, cockscomb textures	Talus	-
22798	L6+00S 1+75W	Clay - quartz slump, multilithic	Talus	-

TABLE 2
ROCK SAMPLE DESCRIPTIONS

SAMPLE NO.	LOCATION	DESCRIPTION	STRIKE & DIP	WIDTH
22799	L5+60S 3+80W	Quartz rusty	Talus	-
22800	L7+00S 4+25W	Limonite and quartz fragments	Talus	-
22751	L7+00S 4+80W	Clay	-	-
22752	Shear Creek	Quartz, euhedral	Select	-
22753	24+00S 10+00W	Sericite schist, medium to intensely pyritized	Talus	-
22754	24+00S 10+00W	Quartz, rusty	Sub Crop	-
22755	24+00S 10+00W	Clay, sandy and sericitic	Sub Crop	-
22756	24+00S 10+00W	Quartz, coarse grained, sericite, cubic to tabular minerial with brown streak (sphalerite)	SubCrop	-
22758	24+00S 10+00W	Quartz(ite), granular with seams of sericite, 1% lazurite, and minor black mineral	Sub Crop	-
22759	24+00S 10+00W	Limonite, massive with seams of dry crackle brecciated quartz	SubCrop	-
22760	24+00S 10+00W	Quartz, brown, sericitic sheen.	SubCrop	-
22761	24+00S 10+00W	Sericite _ clay, yellow to minor rust	SubCrop	-
22762	24+10S 10+00W	Quartz, coarse bull, locally grey	Talus	-
22763	24+00S 10+00W	Quartz(ite), dark royal blue lazulite stains, emerald colored fuchsitic mica, botryoidal vugs	Talus_____	-
22764	24+00S 10+00W	Quartz(ite) with lazulite to 1% in blotches to blebs, minor black mineral		

TABLE 2
ROCK SAMPLE DESCRIPTIONS

SAMPLE NO.	LOCATION	DESCRIPTION	STRIKE & DIP	WIDTH
22765	24+00S 10+00W	Quartz-sericite, banded, coarse grained, sericite with green tinge, black mineral	SubCrop	-
22766	24+00S 10+00W	Feldspar, sericitized, minor lazulite stains and massive black sphalerite		
22767	24+00S 10+00W	Limonite massive	SubCrop	-
22769	24+00S 10+00W	soft, buff color, limonitic on weathered surface.		
22770	24+00S 10+00W	Limonitic, layering. See type	Trend 158	-
22774		Ferrocrete	Float	-
22771	24+00S 10+00W	Quartz vein-pod, brown, truncated along strike	158/90	.22m
22772	24+00S 10+00W	Sericite schist, green tinge, lazulite to 1%	140/70 W	1.18m
22773	24+00S 10+00W	Quartz, crumbled to massive, minor lazulite, disseminated sphalerite		.9m
22888	outwash of clay rim	Rusty, kaolinized quartz folded with pyrite		
22889	Outwash near camp	clay lake, light yellow clay		
22890	Drywash near camp	Composite of fu topalin Quartz from dry wash		
22891	circle trench zone	Sericite, disseminated pyrite		
22892	circle trench zone	Grey rock, sugary quartz crystals		

TABLE 2
ROCK SAMPLE DESCRIPTIONS

SAMPLE NO.	LOCATION	DESCRIPTION	STRIKE & DIP	WIDTH
22785	Dry wash near camp	Ferrocrete, multilithic		
22786	Dry wash from camp	Ferrocrete, multilithic		
22787	L3+00S 6+00W	Float in dry wash, fine-grained grey quartz, rings (15% of Rx), Mnr fn diss Su's	-	Float
22788	5+75S 0+20W	local scree 'bump', Msv. Qz Rx (Dyke) local Py Bxwk + jarosite		
22801	L2+25S 0+50W	Intense silcic alteration, vuggy, limonitic on fractures, minor disseminated Pyrite		
22802	L2+50S 1+75W	Crystal lithic tuff, welded texture, carbonitized, no visible sulphides		Felsenmeer
22803	L2+20S 2+10W	Black crystal lithic tuff, oriented glass shards, limonitic on fractures, 1-2% pyrite		Felsenmeer
22804	L2+20S 2+50W	Intense argillic alteration, light blue colored surfaces, 2-3% pyrite with limonitic rimming		Felsenmeer
22805	L2+55S 2+75W	Black crystal lithic tuff, welded texture, 2-3% pyrite		Felsenmeer
22806	L2+50S 3+75W	Argillic altered tuff, very limonitic, no visible sulphides		Felsenmeer
22807	L1+80S 3+50W	Pink/white argillic crackle breccia, purple-black to dark green mineral on fractures and open spaces		Felsenmeer
22808	L2+70S 3+50W	Crackle breccia as in #22807		Felsenmeer
22809	L2+50S 4+75W	Feldspar porphyritic andesite, sheared with flow		

TABLE 2
ROCK SAMPLE DESCRIPTIONS

SAMPLE NO.	LOCATION	DESCRIPTION	STRIKE & DIP	WIDTH
		textures,limonitic on fracture surfaces		
22810	L3+10S 5+10W	Moderate silicic alteration of porphyritic andesite, limonitic and pyritic (2-3%), shear trend 138		
22811	L3+10S 5+20W	Brecciated silicic alteration, limonitic weathered surfaces, fine disseminated pyrite		
22812	L3+10S 5+75W	Light brown-orange silicic alteration, minor hematite staining, some brecciation		
22813	L3+50S 5+75W	Shear zone hosted by moderately silicified andesite	80/80 S	.5M
22814	L4+10S 6+00W	Intense silicic alteration, no visible sulphides, some vugs, minor limonite on fractures		
22815	L4+20S 6+20W	Silica nodule and breccia from small shear zone, no visible sulphides, limonite + hematite staining	155/86S	40 cm
22816	L4+50S 0+60W	Intense silicic alteration, highly fractured with primary fracture plane 128/24S, light grey		
22817	14+30S 0+90E	Intense silicic and argillic alteration, no visible sulphides	Subcrop	.5m
22818	L4+15S 1+00E	White to light brown silicic-argillic alteration, no visible sulphides, abundant lazulite	Subcrop	1m
22819	L4+20S 1+00E	White to light brown silicic-argillic alteration, no visible sulphides, abundant lazulite	Subcrop	1m
22820	L4+80S 0+50E	Buff to pale yellow sercicte with argilic alteration, no visible sulphides	172/83W	1.5m

TABLE 2
ROCK SAMPLE DESCRIPTIONS

SAMPLE NO.	LOCATION	DESCRIPTION	STRIKE & DIP	WIDTH
22821	L4+95S 0+25E	Buff to light grey, sheared, silicic alteration, no visible sulphides	172/83W	1.5m
22822	L5+10S 1+10E	Intense buff silicic alteration, ~30/45W fractures, sucrosic texture	-	Select
22823	L5+10S 2+00E	Buff to light grey banded tuff?, minor lazulite bands	-	Select
22824	L6+00S 4+85E	Silica dyke, sucrosic texture, minor vugs, limonitic fractures	-	Select
22825	L5+70S 5+00E	Very limonitic silicic float, minor epidote and chlorite	-	Float
JW-A	L4+40S 3+60E	Light grey clay gouge from ridge fault, 20m width, no visible sulphides	-	Select
JW-B	L4+40S 3+50E	Silica dyke with some sericite and minor pyrite, faint limonite on fractures	-	Select
JW-C	L5+00S 3+25E	Intense limonitic scree, 5-10% pyrite	-	Float
JW-D	L4+00S 2+05E	Limonitic silica dyke, minor pyrite (<1%)	-	Select
JW-E	L3+00S 0+80E	Buff to light yellow sericite schist, no visible sulphides	-	Select
7387	Shear Creek	Vuggy quartz vein, vugs to 5cm in diameter, coarse crystals, minor pyrite (<1%)	90/50S	20cm
7388	Shear Creek	Argillized, foliated andesite, limonite and hematite veinlets, 106/84N foliation	-	Select
7389	Shear Creek	Very limonitic, foliated andesite?, 5% pyrite	-	Select
7390	Shear Creek	Pyritic andesite, weakly chloritized, minor quartz stringers	-	Select

TABLE 2
ROCK SAMPLE DESCRIPTIONS

SAMPLE NO.	LOCATION	DESCRIPTION	STRIKE & DIP	WIDTH
7391	Shear Creek	Sheared, chloritized andesite, basaltic texture with oriented limonitic-filled vugs	-	Select
7392	Shear Creek	West boundary of 65m shear zone 155/70SE, very limonitic/jarositic with 5% Pyrite	155/70E	Select
7393	Shear Creek	As 7392 but less sheared	155/70 E	Select
7394	Shear Creek	Random shear orientation, buff and rusty patches, 1of2 samples	155/70 E	2m
7395	Shear Creek	Random shear orientation, buff and rusty patches, 2of2 samples	155/70E	2m
7396	Shear Creek	Limonitic and jarositic shearing	155/70E	Select
7397	Shear Creek	Bright yellow shear zone with rusty gouge and breccia	115/60N	1m
7398	Shear creek	Silicified, pyritic, andesite?, limonitic galena cubes	-	Select
JW-F	North Ridge	Limonitic, vuggy scree, argilized andesite? phenocrysts	-	Float
JW-G	North Ridge	Silicic alteration/dyke scree. vuggy, limonitic 5% pyrite	-	Float
JW-H	North Ridge	Foliated (42/72S) medium grey carbonitized pyroclastics?	-	Select
JW-I1	North Ridge	Pale yellow to white bleached pyroclastics 5-10% pyrite, very limonitic on fractures	-	Float
JW-I2	North Ridge	Highly oxidized, silicic andesite?	-	Select
JW-J	North Ridge	Vuggy, coarse crystalline quartz felsenmeer, fine black disseminations	114 Trend	20cm
JW-K	North ridge	Vuggy, coarse crystalline quartz felsenmeer, fine black disseminations	?	20cm

TABLE 2
ROCK SAMPLE DESCRIPTIONS

SAMPLE NO.	LOCATION	DESCRIPTION	STRIKE & DIP	WIDTH
JW-L	L7+10S 5+75W	Completely argillized silica dyke or silicified andesite? no remnant textures	-	Select
JW-M	L7+25S 5+70W	Chloritized, argilized volc's? faint remant porphyritic texture, pyrite	-	Select
JW-N	L8+00S 5+25 W	Crystal tuff, hematitic fractures, 1-2% pyrite, abundant crystal fragments.	-	select
JW-O	L8+50S 5+25W	Pyritic breccia, bleached clasts in tuffaceous matrix	-	select
22933	Old cabin creek	Megaphyric basalt, plagiocalse crystals rounded to subangular, quartz filled vugs	-	Float
22934	Old Cabin Creek	Very limontitc sericite schist, fine disseminated pyrite, 100/75 S foliations	-	Select
22935	Old Cabin Creek	Limonitic sericite schist, pyrite blebs, 130/70S foliation	-	Select
22936	Old Cabin Creek	Limonitic vuggy, volcanic vent? vugs are elongated, vertical and up to 5cm in length	-	Select
22937	Old Cabin Creek	Lens of sucrosic quartz in 22936 rock	Lens	25cm
22938	Old Cabin Creek	Subparallel quartz veins up to 5cm in width	50/52S	Select
22939	Old Cabin Creek	Sericite/Megaphyric basalt contact	160/45S	0.5m
22940	Snowdrift valley	Quartz float, sparse gun steel grey disseminations	-	Float
22941	Snowdrift valley	Quartz float, sparse gun steel grey disseminations	-	Float

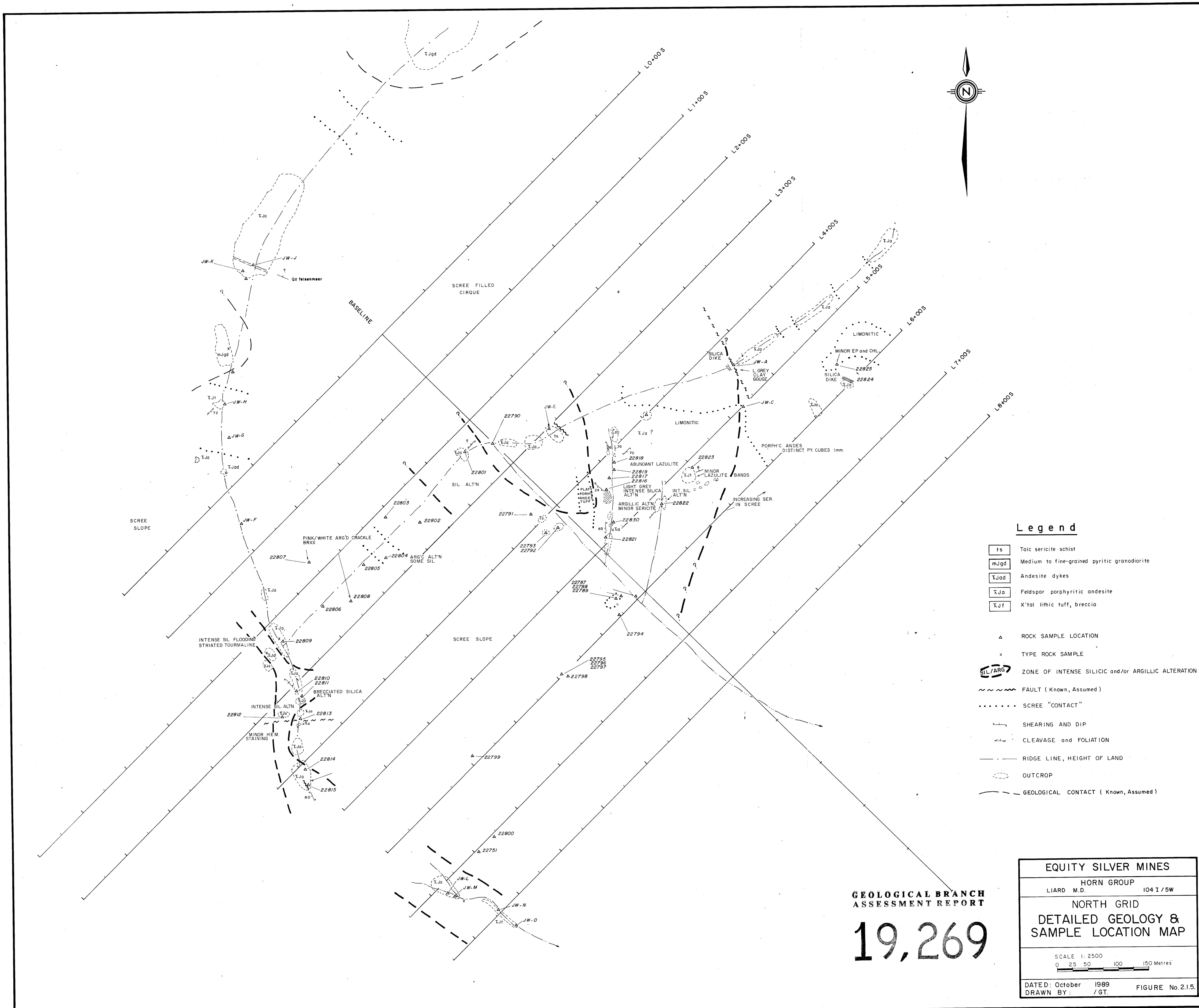
TABLE 2
ROCK SAMPLE DESCRIPTIONS

SAMPLE NO.	LOCATION	DESCRIPTION	STRIKE & DIP	WIDTH
22942	Snowdrift valley	Intense argillic alteration, limonitic fractures, no visible sulphides 122/60 S foliation	-	Select
22943	L32 Creek	Poorly lithified conglomerate (old ferrocrete) limonitic, boulders to 30cm diameter	-	Select
22944	L32 Creek	Black to dark green, pyritic tuff 76/45 S foliations	-	Select
22945	L32 Creek	Intense argillic alteration, limonitic with minor sericite, no visible sulphides	-	Select
22946	L32 Creek	Sericite schist, limonitic fractures, no visible sulphides	-	Select
22947	L32 Creek	Silicic alteration, disseminated and bleb pyrite, limonitic	-	Select
22948	L30+60S 1+20W	Intense argillic alteration with minor sericite, fine grey sulphides	-	Select
22949	L23+50S 1+00W	Multilithic crackle breccia, silica healed, open spaces, limonitic	-	Select
22926	Circle trench	Pyrite breccia, bleached matrix with fime grained pyrite clasts	40/74S	80cm
22927	Circle Trench	Bleached volcanics with remnant porphyritic textures, pyrite blebs to 5cm in diameter	-	Select
22928	Circle trench	Limonitic shear zone, 5m width, no visible sulphides	64/80 S	1.5m
22929	Circle trench	Sericitic quartzolite dyke, 25m width, pods and blocks of fine pyrite, limonitic	-	Select
22930	Circle trench	Light green pyroclastics, cherty and porphyritic (semi-absorbed) fragment	-	Select
22931	Circle trench	Massive sulphide vein, malachite and azurite staining, chalcopyrite	80 trend	10cm

TABLE 2
ROCK SAMPLE DESCRIPTIONS

SAMPLE NO.	LOCATION	DESCRIPTION	STRIKE & DIP	WIDTH
22932	Circle trench	Gossanous argillic alteration	-	Grab


Legend
ts. Talc sericite schist
mJgd Medium to fine-grained pyritic granodiorite
TrJad Andesite dykes
TrJa Feldspar porphyritic andesite
TrJf X'tal lithic tuff, breccia
ROCK SAMPLE LOCATION
TYPE ROCK SAMPLE
SIL/ARG ZONE OF INTENSE SILICIC and/or ARGILLIC ALTERATION
FAULT (Known, Assumed)
SCREE "CONTACT"
SHEARING AND DIP
CLEAVAGE and FOLIATION
RIDGE LINE, HEIGHT OF LAND
OUTCROP
GEOLOGICAL CONTACT (Known, Assumed)
N
CIRCLE TRENCH
SILICA DYKE
22929
22928
22930
approximate sulphide vein trend
22931
22732
SIL/ARG
Sil/Arg
uTra
TrJgd
uTrf
uTrad
GRASS SLOPES and TALUS
22785
22786
See Figure 2.1.5
Ferro-crete
CAMP
22774
ROCK SAMPLES
22753
22754
22755
22756
22757
22758
22759
22760
22761
22762
22763
22764
22765
22766
22767
22768
22769
22770
22771
22772
22773
22765
See Fig. 2.1.4
22775
CRACKLE BRECCIA SILICA HEALED
22949
ROCK SAMPLES
7387
7388
7389
7390
7391
7392
7393
7394
7395
7396
7397
Shear Creek
See Figure 2.1.1
TrJha
EP+AB Hornfelsing
GZCK-02
GZCK-01
Sz Creek
See Fig 2.1.2
ROCK SAMPLES
22943
22944
22945
22946
22947
22948
ROCK SAMPLES
22933
22934
22935
22936
22937
22938
22939
OLD CABIN
Old Cabin Creek
Snowdrift Creek
TrJa
TrJma
See Figure 2.1.3
BLEACHED and FOLIATED ANDESITE?
BULL QZ. FLOAT
22942
22941
22940
SUCROSIC TEXTURE
GEOLOGICAL BRANCH
ASSESSMENT REPORT
19,269
EQUITY SILVER MINES
HORN GROUP
LIARD M.D. 104 I / 5W
PROPERTY GEOLOGY & ROCK SAMPLE LOCATIONS
SCALE 1: 10,000 Metres
0 50 100 200 400 600 800 METRES
DATED: October 1989
DRAWN BY: JW./GT.
FIGURE No. 2.1.



L0+00S
L1+00S
L2+00S
L3+00S
L4+00S
L5+00S
L6+00S
L7+00S
L8+00S
BASELINE
SCREE FILLED CIRQUE
SCREE SLOPE
SCREE SLOPE
Qz felsenmeer
LIMONITIC
LIMONITIC
MINOR EP and CHL.
SILICA DIKE
SILICA DIKE
L. GREY CLAY GOUGE
PORPH'C ANDES. DISTINCT PY CUBES 1mm.
ABUNDANT LAZULITE
MINOR LAZULITE BANDS
LIGHT GREY INTENSE SILICA ALT'N
INT. SIL ALT'N
ARGILLIC ALT'N MINOR SERICITE
INCREASING SER. IN SCREE
SIL ALT'N
PINK/WHITE ARG'D CRACKLE BRXX
ARG'C ALT'N SOME SIL
INTENSE SIL FLOODING STRIATED TOURMALINE
BRECCIATED SILICA ALT'N
INTENSE SIL ALTN
MINOR HEM. STAINING
Legend
ts Talc sericite schist
mJgd Medium to fine-grained pyritic granodiorite
T̄Jad Andesite dykes
T̄Ja Feldspar porphyritic andesite
T̄Jt X'tal lithic tuff, breccia
ROCK SAMPLE LOCATION
TYPE ROCK SAMPLE
ZONE OF INTENSE SILICIC and/or ARGILLIC ALTERATION
FAULT (Known, Assumed)
SCREE "CONTACT"
SHEARING AND DIP
CLEAVAGE and FOLIATION
RIDGE LINE, HEIGHT OF LAND
OUTCROP
GEOLOGICAL CONTACT (Known, Assumed)
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EQUITY SILVER MINES
HORN GROUP
LIARD M.D. 104 I / 5W
NORTH GRID
DETAILED GEOLOGY & SAMPLE LOCATION MAP
SCALE 1: 2500
0 25 50 100 150 Metres
DATED: October 1989
DRAWN BY: / GT.
FIGURE No. 2.1.5.

HMC Stream Sediment Sample
HMC Talus Sample
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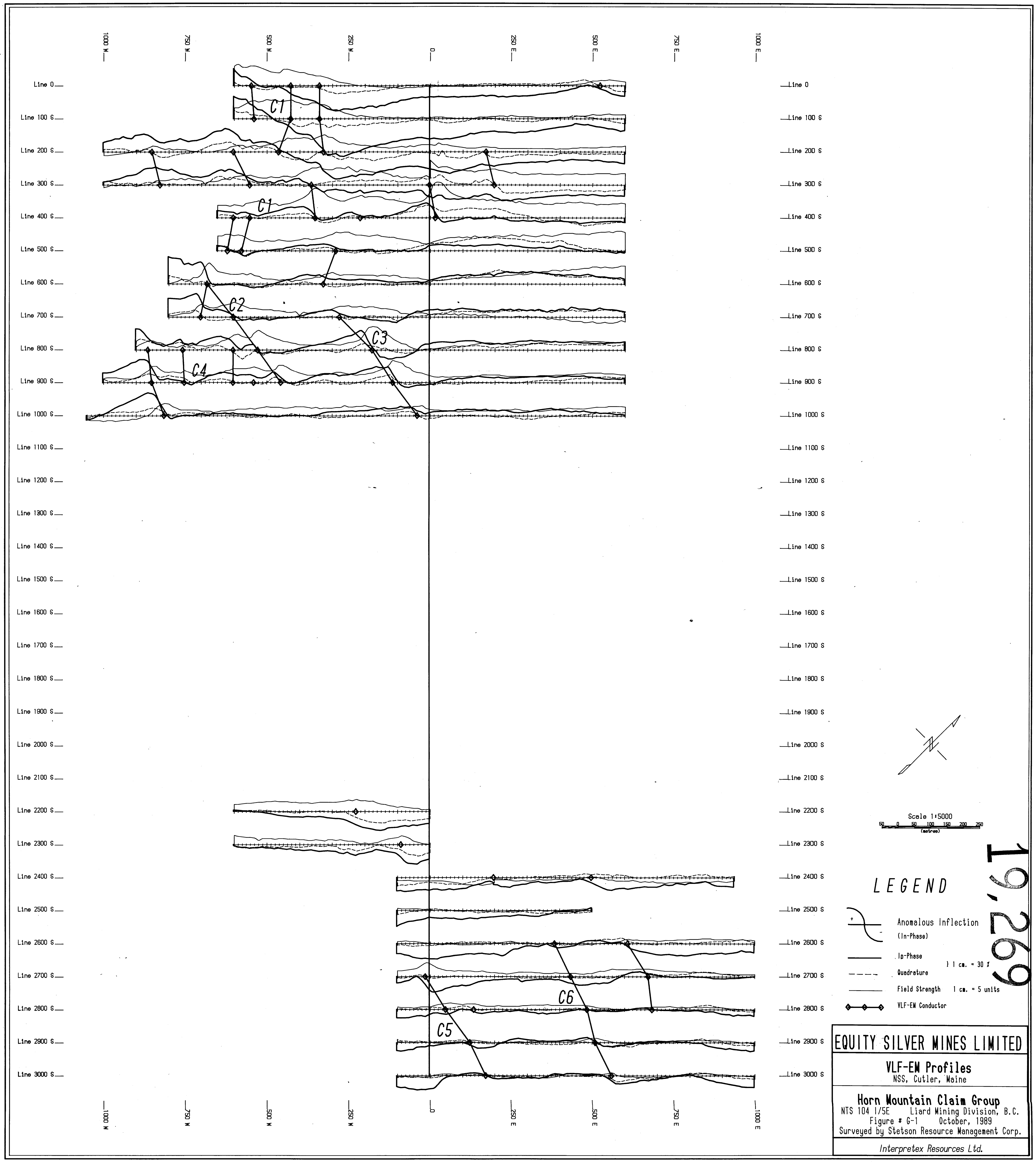
HORN GROUP
LIARD M.D.
104 I / 5W
TALUS AND STREAM
HMC LOCATION MAP
SCALE 1: 10,000
0 50 100 200 400 600 800 METRES
DATED: October 1989
DRAWN BY: J.W./GT.
FIGURE No. 3.1.



Line 0
Line 100 S
Line 200 S
Line 300 S
Line 400 S
Line 500 S
Line 600 S
Line 700 S
Line 800 S
Line 900 S
Line 1000 S
Line 1100 S
Line 1200 S
Line 1300 S
Line 1400 S
Line 1500 S
Line 1600 S
Line 1700 S
Line 1800 S
Line 1900 S
Line 2000 S
Line 2100 S
Line 2200 S
Line 2300 S
Line 2400 S
Line 2500 S
Line 2600 S
Line 2700 S
Line 2800 S
Line 2900 S
Line 3000 S
1000 W
750 W
500 W
250 W
0
250 E
500 E
750 E
1000 E
C1
C2
C3
C4
C5
C6
Scale 1:5000
(metres)
LEGEND
Anomalous Inflection (In-Phase)
In-Phase
Quadrature
1 cm. = 30 %
Field Strength 1 cm. = 5 units
VLF-EM Conductor
EQUITY SILVER MINES LIMITED
VLF-EM Profiles
NSS, Cutler, Maine
Horn Mountain Claim Group
NTS 104 I/5E Liard Mining Division, B.C.
Figure # G-1 October, 1989
Surveyed by Stetson Resource Management Corp.
Interpretex Resources Ltd.
GEOLOGICAL BRANCH ASSESSMENT REPORT
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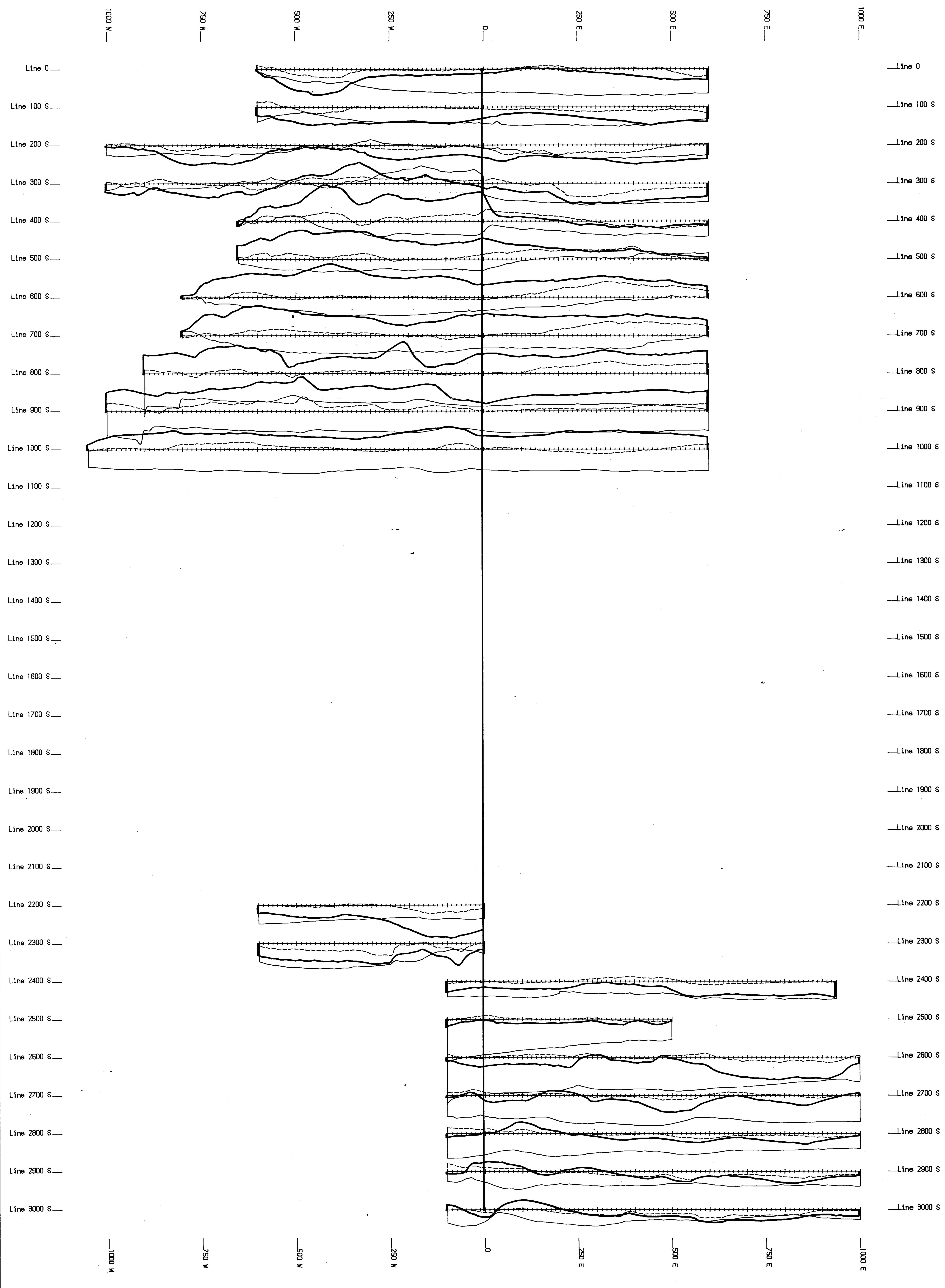

Scale 1:5000

50 0 50 100 150 200 250 (metres)

LEGEND

Anomalous Inflection (In-Phase)

In-Phase } 1 cm. = 30 %

Quadrature

Field Strength 1 cm. = 5 units

VLF-EM Conductor

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EQUITY SILVER MINES LIMITED

VLF-EM Profiles

NPM, Lualualei, Hawaii

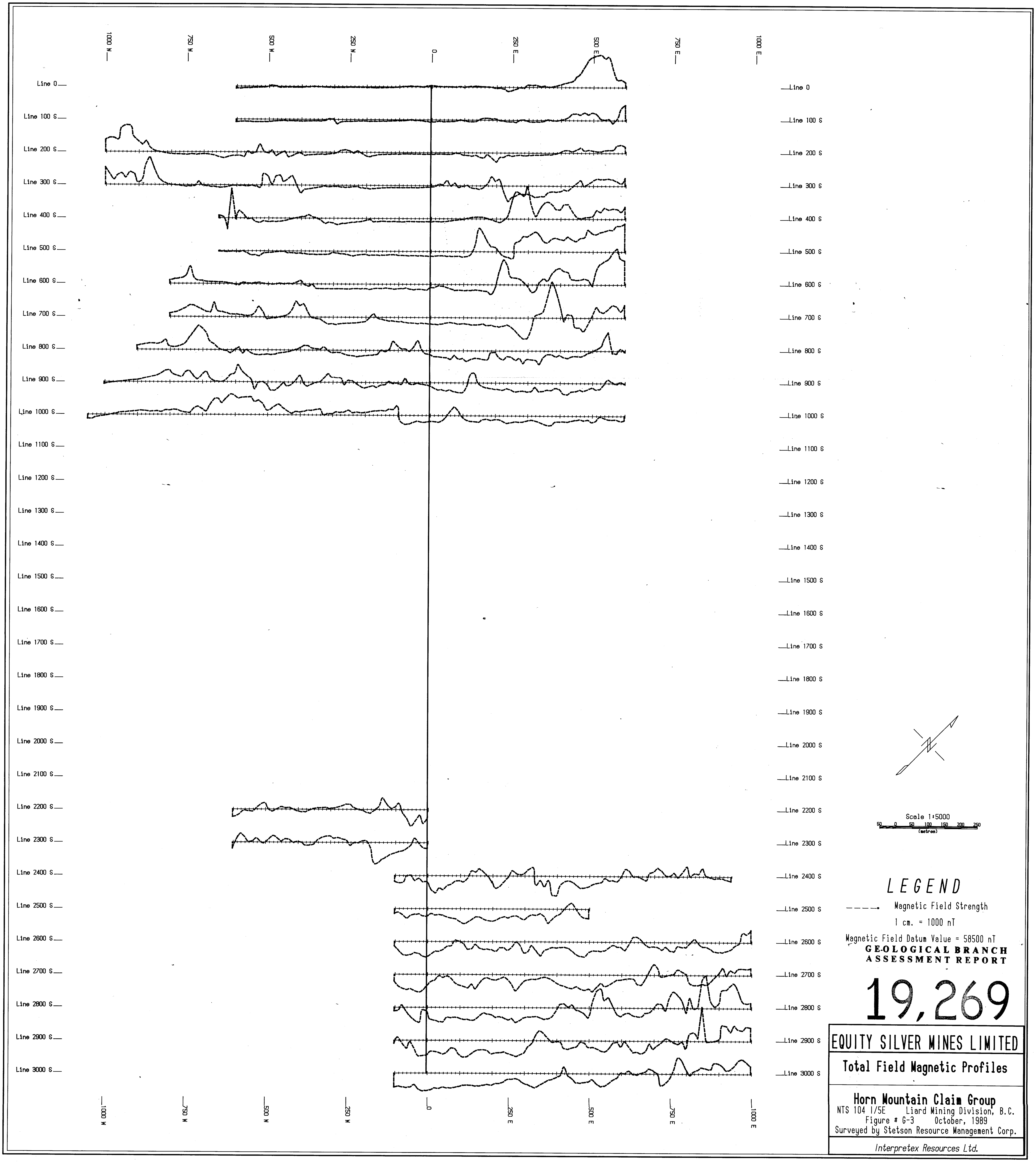
Horn Mountain Claim Group

NTS 104 I/5E Liard Mining Division, B.C.

Figure # G-2 October, 1989

Surveyed by Stetson Resource Management Corp.

Interpretex Resources Ltd.



1000 W
750 W
500 W
250 W
0
250 E
500 E
750 E
1000 E
Line 0
Line 100 S
Line 200 S
Line 300 S
Line 400 S
Line 500 S
Line 600 S
Line 700 S
Line 800 S
Line 900 S
Line 1000 S
Line 1100 S
Line 1200 S
Line 1300 S
Line 1400 S
Line 1500 S
Line 1600 S
Line 1700 S
Line 1800 S
Line 1900 S
Line 2000 S
Line 2100 S
Line 2200 S
Line 2300 S
Line 2400 S
Line 2500 S
Line 2600 S
Line 2700 S
Line 2800 S
Line 2900 S
Line 3000 S
Scale 1:5000
(metres)
LEGEND
Magnetic Field Strength
1 cm. = 1000 nT
Magnetic Field Datum Value = 58500 nT
GEOLOGICAL BRANCH
ASSESSMENT REPORT
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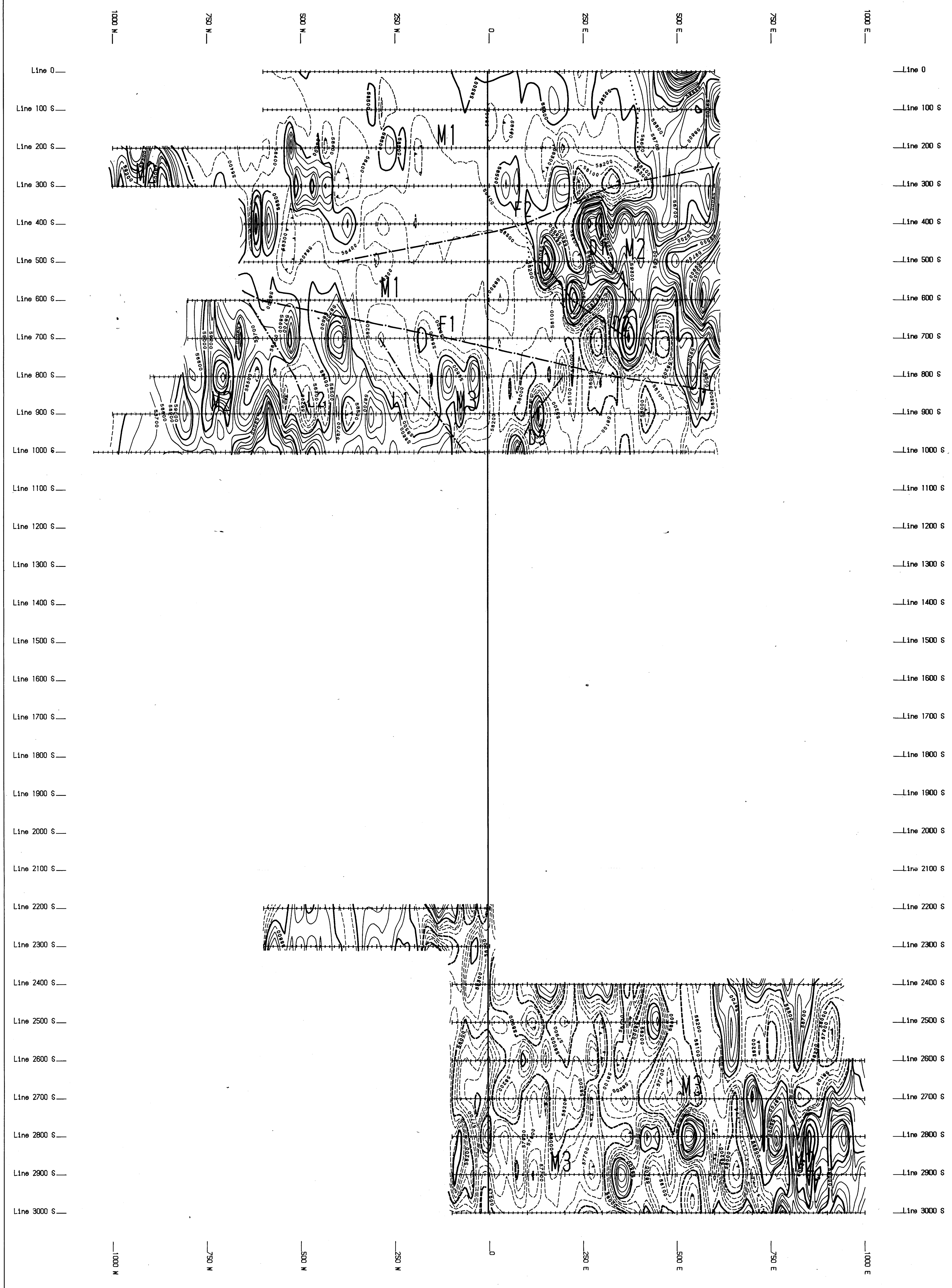
EQUITY SILVER MINES LIMITED
Total Field Magnetic Profiles
Horn Mountain Claim Group
NTS 104 I/5E Liard Mining Division, B.C.
Figure # G-3 October, 1989
Surveyed by Stetson Resource Management Corp.
Interpretex Resources Ltd.



Scale 1:5000

50 0 50 100 150 200 250 (metres)

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LEGEND.

Contour Interval

< 58500 nT	> 58500 nT	
- - - -	———	100 nT
— — —	———	500 nT

— · — · — Magnetic Lineament

M1 · · · · · M2. Magnetic Unit Boundary

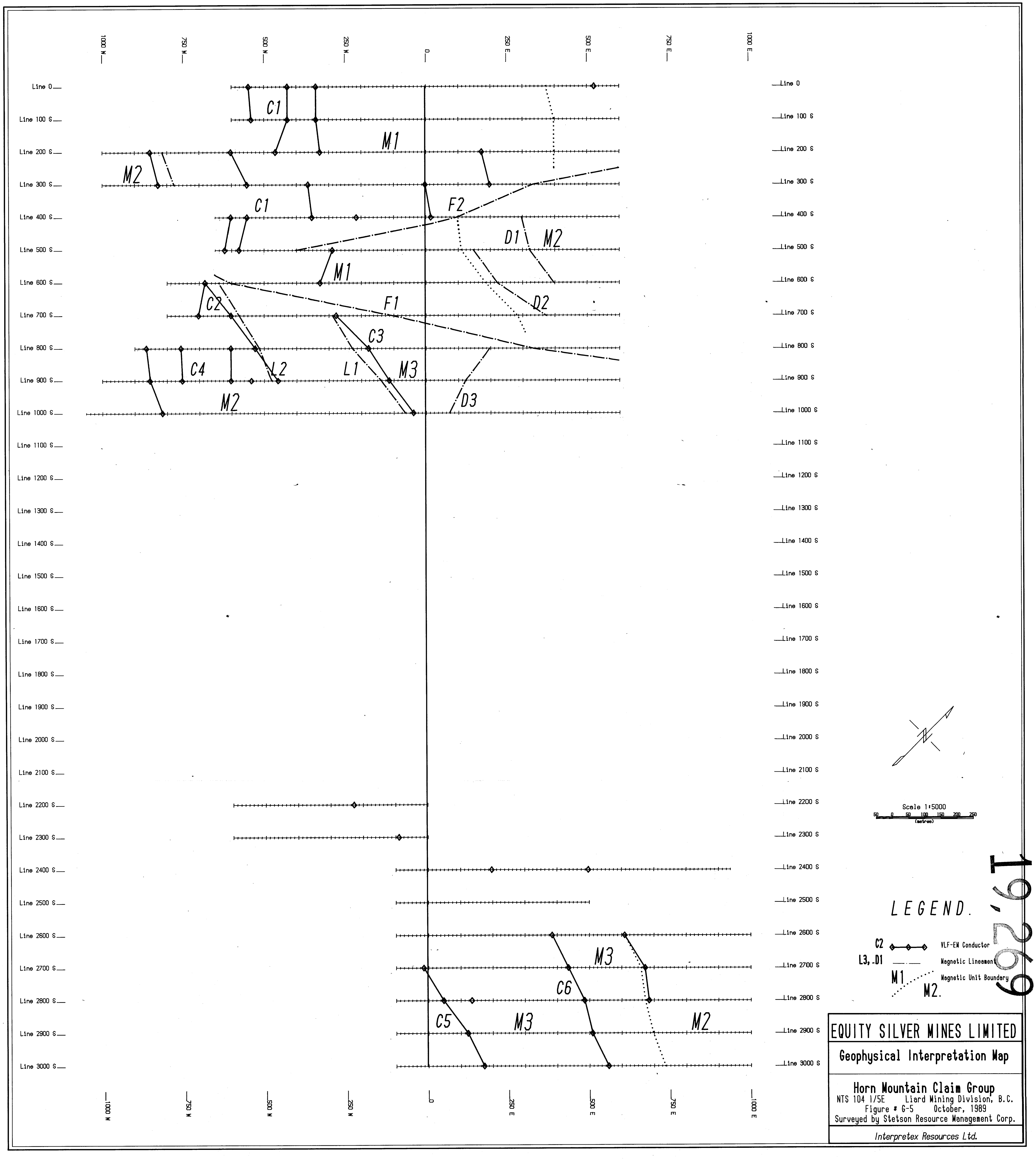
EQUITY SILVER MINES LIMITED

Total Field Magnetic Contours

Horn Mountain Claim Group

NTS 104 I/5E Liard Mining Division, B.C.
Figure # G-4 October, 1989
Surveyed by Stetson Resource Management Corp.

Interpretex Resources Ltd.


1000 W
750 W
500 W
250 W
0
250 E
500 E
750 E
1000 E
Line 0
Line 100 S
Line 200 S
Line 300 S
Line 400 S
Line 500 S
Line 600 S
Line 700 S
Line 800 S
Line 900 S
Line 1000 S
Line 1100 S
Line 1200 S
Line 1300 S
Line 1400 S
Line 1500 S
Line 1600 S
Line 1700 S
Line 1800 S
Line 1900 S
Line 2000 S
Line 2100 S
Line 2200 S
Line 2300 S
Line 2400 S
Line 2500 S
Line 2600 S
Line 2700 S
Line 2800 S
Line 2900 S
Line 3000 S
C1
M1
M2
F2
D1
D2
C2
F1
C3
C4
L2
L1
M3
D3
C5
C6
Scale 1:5000
(metres)
LEGEND.
C2 VLF-EM Conductor
L3, D1 Magnetic Lineament
M1 M2. Magnetic Unit Boundary
EQUITY SILVER MINES LIMITED
Geophysical Interpretation Map
Horn Mountain Claim Group
NTS 104 1/5E Liard Mining Division, B.C.
Figure # G-5 October, 1989
Surveyed by Stetson Resource Management Corp.
Interpretex Resources Ltd.
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