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GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL ASSESSMENT REPORT ON THE BLUE GROUSE PROJECT LAKE COWICHAN, B.C. VICTORIA MINING DIVISION

Latitude: 48° 50' N

Longitude: 124° 14' W

NTS: 92C/16E

For

Nic-Nik Resources Ltd.
1030 - 609 Granville Street
Vancouver, British Columbia
V7Y 1G5

By

Peter Hannigan, B.Sc.

May 8, 1989

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SUMMARY

The Blue Grouse copper mine was principally operated between 1954 and 1960. Mining produced over 250,000 tonnes of copper ore grading 27 kilograms/tonne (2.79% cu). Since 1960 the mine has been abandoned, but several attempts have been made to develop further mineable reserves.

In 1987 Shangri-La Minerals Ltd. performed reconnaissance mapping and a geophysical program over part of the property. Rock and soil samples taken at this time indicated a significant potential for gold mineralization in two areas away from the Blue Grouse workings. In addition, anomalous copper values were obtained from shear zones in the volcanics in an area of magnetic highs south of the workings (1989 southwest grid). The recommendations from this work were to grid and sample the magnetic anomalies, to trench the anomalous gold zones, and to reopen and sample the old workings.

This report details the results of geological mapping in the areas detailed as anomalous by the 1987 work program and carries out the program's recommendations except for the trenching and underground rehabilitation.

Three areas of the property were selected for detailed follow up mapping, soil sampling and geophysics at 50 m grid scale. The area of the magnetics and copper anomalies to the south was likewise detailed on a 200 m spaced grid. In all, 26.4 km of grid was constructed, 919 soils and 83 rocks, tailings samples and pan concentrates were collected by Daiwan Engineering Ltd. personnel. The results of the work program are described with reference to each of the grids which were constructed. For the 50 metre detailed grids (West, Central and East mini grids) the program delineated minor anomalous copper zones, but no significant gold mineralization.

On the Eastern grid the earlier reported values of .41 opt gold and .14 opt gold at sample sites BGN 1 & 2 were shown to be misreported silver values. There was also no response to gold or copper by further soil sampling in the area of the gold anomalies in the west grid, and there was no significant copper or gold mineralization identified by detailed sampling of the Sunnyside workings. Surface trenching in these areas was therefore not carried out.

No work was completed in the Blue Grouse underground workings. Unfortunately the underground access and stopes have been backfilled at the request of the R.C.M.P. At the time of the survey permission to re-open the workings had not been obtained from the Inspector of Mines. Within the workings there appears to be some potential copper mineralization below the 1100 level. This mineralization will require extensive drill testing, and was beyond the scope of the current exploration budget.

The majority of the 1989 work program relates to the establishment and mapping of the southwest grid. The area is predominantly underlain by intermediate tuff with occasional quartz-feldspar porphyry. A significant gossanous zone was found at the southwest corner of the grid (600W, 600N), but copper and gold values were very low in all rock samples collected. The area is distinguished however by a broad low copper, zinc and manganese anomaly within the soils. Gold values on this grid were generally less than 10 ppb, however spot anomalies reached 470 ppb Au. Minor reconnaissance follow up is recommenced for part of the grid.

Expenditures during 1989 amounted to $60,000, a further budget of $106,000 in two stages is recommended for the property.

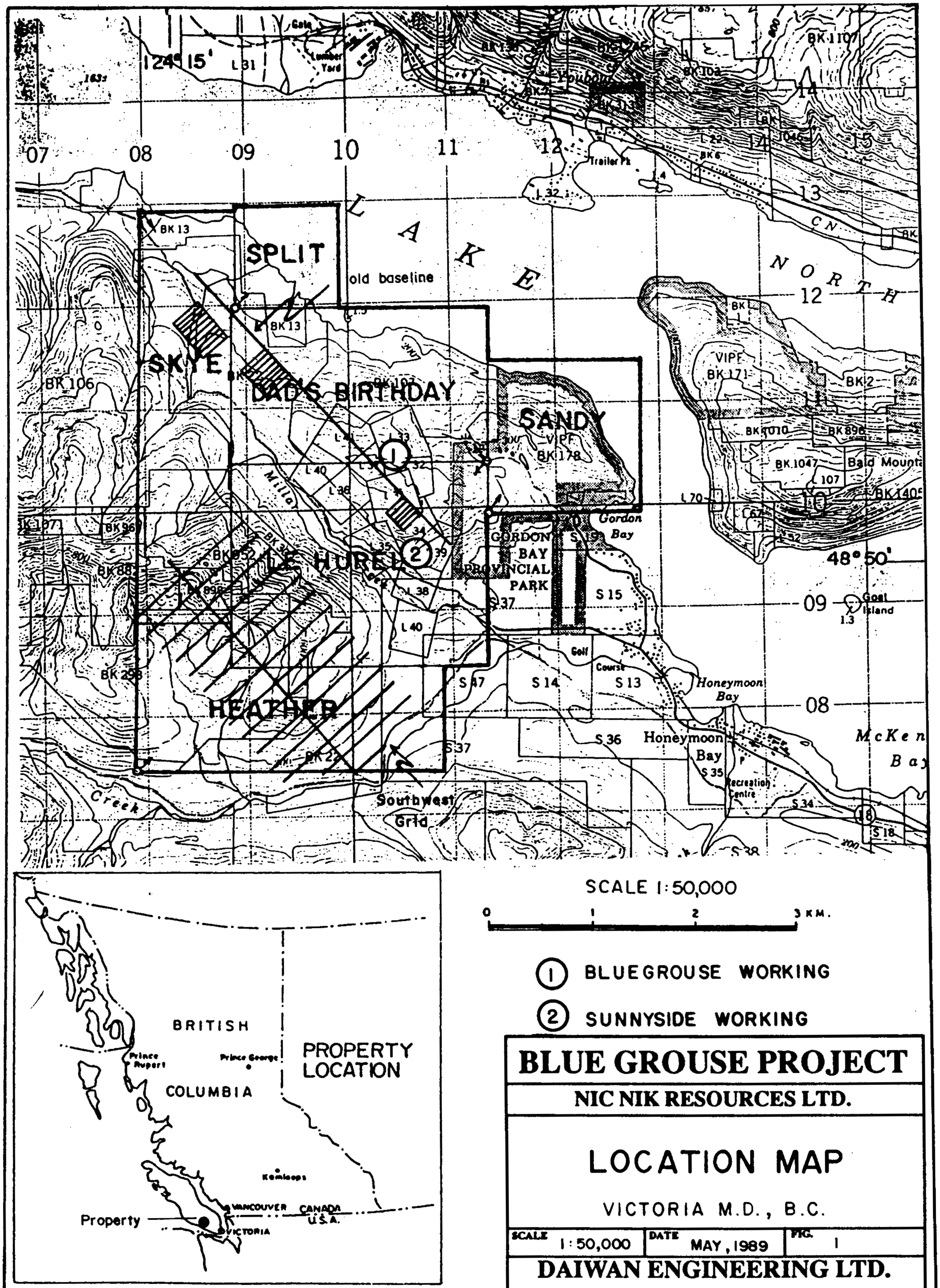
INTRODUCTION

At the request of Mr. R. Philp, President of Nic-Nik Resources Ltd., Daiwan Engineering Ltd. conducted an exploration program on the Blue Grouse property located to the south of Lake Cowichan on southern Vancouver Island. This program was conducted between April 7th and May 15th 1989 and consisted of grid establishment, geochemical soil sampling, magnetometer and VLF-EM ground geophysical work and geological mapping and sampling.

In 1987, Shangri-La Minerals Ltd. had investigated the area to the north and east of the main Caycuse logging road with grid work. The present program examined the area to the south and west of the logging road in the higher country. Gold and silver precious metals were the main exploration targets in this area. In addition, interesting geophysical and geochemical anomalies were followed up in the Shangri-La area with infill soil sampling, geophysics, and detailed mapping. The results of this program are presented in this report and are correlated with previous operations on the property.

LOCATION AND ACCESS

The property, consisting of 94 claim units, is located on the southern shore of Lake Cowichan on southern Vancouver Island adjacent to and west of Gordon Bay Provincial Park, approximately 3 kilometres west of Honeymoon Bay. It is centred at 48° 50' north latitude and 124° 14' west longitude.


124° 15'
LAKE
NORTH
old baseline
SPLIT
SKYE
DAD'S BIRTHDAY
SANDY
LE HUREL
HEATHER
GORDON BAY PROVINCIAL PARK
Gordon Bay
Honeymoon Bay
Golf Course
Recreation Centre
Southwest Grid
Goat Island
Bald Mountain
McKen Bay
Creek
Trailer Pk
48° 50'
SCALE 1:50,000
0 1 2 3 KM.
1 BLUEGROUSE WORKING
2 SUNNYSIDE WORKING
BRITISH COLUMBIA
PROPERTY LOCATION
Prince Rupert
Prince George
Kamloops
VANCOUVER
CANADA
U.S.A.
VICTORIA
Property
BLUE GROUSE PROJECT
NIC NIK RESOURCES LTD.
LOCATION MAP
VICTORIA M.D., B.C.
SCALE 1:50,000
DATE MAY, 1989
FIG. 1
DAIWAN ENGINEERING LTD.

Access to the property is achieved via Highway 18 which runs from Duncan and ends at Honeymoon Bay. A gravel logging road continues along the southern shore of Cowichan Lake towards Caycuse. Several old logging roads provide four-wheel drive access to various parts of the property. Frequent wash-outs on these old roads make some parts of the new grid quite remote. The old mine site may also be reached via a logging road which originates in Gordon Bay Provincial Park. (see Figure 1)

The topography varies from gentle in the north to very steep mountain slopes to the south and west. Elevations range from 163 m at the lakeshore to over 800 m on the mountain peaks to the southwest. Snow at the high elevations provided a problem for access and mapping purposes in April. Most of the property, however, was snow free.

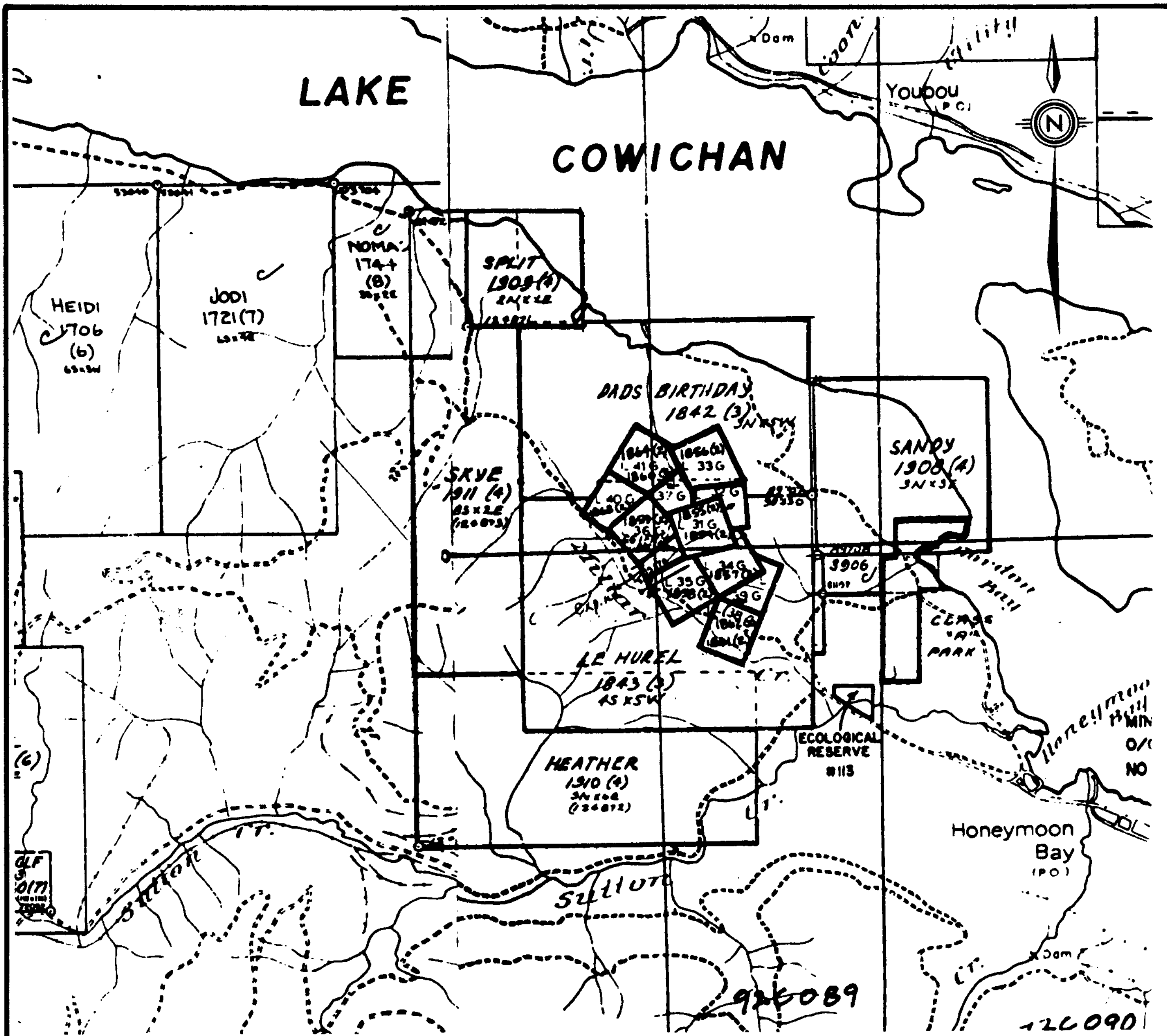
The property is forested by moderate to dense coniferous and occasional deciduous patches along creek valleys. Abundant tree-thinning and slashing by the forest companies, has made traversing extremely difficult and somewhat hazardous. Numerous outcrops are found on the property, although the best exposures are found on road-cuts.

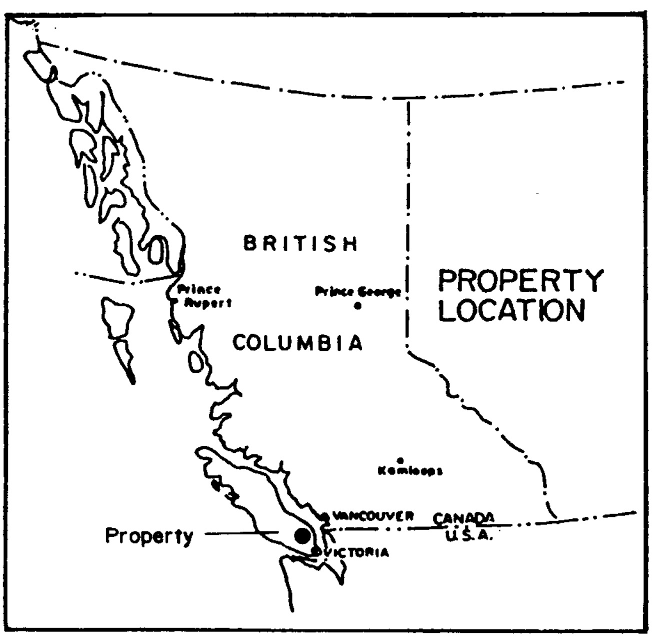
PROPERTY

The 94 unit claim group optioned by Nic-Nik Resources Ltd. from Michael Renning of Nanaimo, B.C. consists of eleven reverted crown grant claims, six modified grid system claim groups and one fractional claim.

Particulars are as follows:

Claim Name	Record No.	No.	Expiry Date	Area	Owner
Blue Grouse	1854	31G	Feb.24, 1990	19.59 hec.	M. Renning
Blue Grouse No. 2	1855	32G	Feb.24, 1990	10.58 hec.	M. Renning
Blue Grouse No. 3	1856	33G	Feb.24, 1990	20.87 hec.	M. Renning
SS No. 1	1857	34G	Feb.24, 1990	17.13 hec.	M. Renning
SS No. 2	1858	35G	Feb.24, 1990	20.69 hec.	M. Renning
SS No. 3	1861	38G	Feb.24, 1990	18.89 hec.	M. Renning
SS No. 4	1862	39G	Feb.24, 1990	11.51 hec.	M. Renning
SS No. 5	1859	36G	Feb.24, 1990	18.59 hec.	M. Renning
SS No. 6	1860	37G	Feb.24, 1990	8.95 hec.	M. Renning
SS No. 7	1863	40G	Feb.24, 1990	15.18 hec.	M. Renning
SS No. 8	1864	41G	Feb.24, 1990	20.71 hec.	M. Renning





SCALE 1:50,000

0 1 2 3 KM.

(1) BLUEGROUSE WORKING

(2) SUNNYSIDE WORKING

BLUE GROUSE PROJECT

NIC NIK RESOURCES LTD.

CLAIM MAP

VICTORIA M.D., B.C.

SCALE	DATE	FIG.
1:50,000	MAY, 1989	2

DAIWAN ENGINEERING LTD.

Claim Name	Record No.	No.	Expiry Date	Area	Owner
Dad's Birthday	8142		Mar. 4, 1990	15 units	M. Renning
Le Hurel	8143		Mar. 4, 1990	20 units	M. Renning
Skye	1911		Apr.27, 1990	16 units	M. Renning
Heather	1910		Apr.27, 1990	18 units	M. Renning
Split	1909		Apr.27, 1990	4 units	M. Renning
Sandy	1908		Apr.27, 1990	9 units	M. Renning
Nic 1 FR	2292		Feb.24, 1990	1 unit	Nic-Nik Resources Ltd.

The Reverted Crown Grant claims are located entirely within the modified grid system claim group. All claims are contiguous and are shown on Claim Maps 92C/16E and 16W.

HISTORICAL DATA

Two former producers are found within the Blue Grouse project area. These producers were known as the Blue Grouse and Sunnyside workings. Developmental work on the Sunnyside was first reported in the 1906 Annual Report of the Minister of Mines. Scattered open cuts and stripping was performed at this time along with 35 feet (10.7 metres) of tunnelling. The first few metres in the adit revealed a body of chalcopyrite, pyrrhotite and arsenopyrite that was deposited along a black slickensided fissure. A sample of sorted ore returned 9% copper, 0.3 oz/ton silver and trace gold while a sample of the pyrrhotite and arsenopyrite-rich material returned 5.6% copper, 0.2 oz/ton silver and trace gold. (MMAR, 1906).

By 1918 ore deposits were expanded at three sets of workings at the Sunnyside. These deposits were exposed in numerous open cuts and an adit. The 1918 Annual Report of the Minister of Mines in describing the geology states:

> "The actual contact between metamorphosed limestones and metamorphosed volcanic rocks is very well defined on the Here-it-is claim, which lies westerly from the Blue Grouse group, and the copper ore on the former occurs as a contact-metamorphic deposit at the immediate contact and developed in much-altered limestone, hornblende and garnetite. The contact metamorphic zone is apparently of very considerable width, possibly about 300 feet and the ore occurs as lenses, but the boundaries, except on the north-easterly side, are not well defined, as the mineralization gradually fades away or grades into the garnetite gangue."

A sample from the floor of an open cut over a width of six feet (1.8 metres) returned 3% copper, trace of silver and trace of gold.

In 1917, 110 tons (100 tonnes) of ore were stripped from which 9,169 lbs. (4,159 kg) of copper and 7 ounces (218 grams) of silver were produced (Ministry of Energy, Mines and Petroleum Resources, Resource Data Section, Minfile 92C 108). This was the extent of production from the Sunnyside showing.

The Blue Grouse mine site itself was located in 1915 and the initial work consisted of one adit and numerous open cuts and pits. The ore consists of chalcopyrite, pyrite and magnetite in a garnetite gangue. The skarn occurs in limy tuffs of the Karmutsen Formation. The Blue Grouse property was acquired by Consolidated Mining and Smelting Company in 1917. From 1917 to 1919, 1917 tonnes (2,113 tons) of ore was mined, yielding 115,479 kilograms (254,583 lbs.) of copper, 56,576 grams (1,996 ounces) of silver and 218 grams (7.7 ounces) of gold (Ministry of Energy Mines and Petroleum Resources, Resource Data Section, Minfile 92C 017).

Pacific Tidewater Company acquired the Blue Grouse in 1928. A cross-cut tunnel was driven for 83 feet (25.3 metres) along a drill-hole to intersect an ore zone found at 220 feet (67 metres) in the hole. The option and land were dropped on 1929.

Cowichan Copper Company Limited owned the rights to both the Blue Grouse and Sunnyside deposits in 1953. Between 1954 and 1960, the company mined a total of 247,381 tonnes (272,687 tons) of ore producing 6,698,874 kilograms (14,768,260 lbs.) of copper and 2,452,068 grams (86,493 ounces) of silver. (Minfile 92C 017). The Blue Grouse was developed from two adits; the main haulage or 1,100 level (formerly 950 level) and the original adit known as the 1,340 level (1,178 level) and two sub-levels, the 1,280 and 1,430. Mining operations were suspended in 1960.

According to the Minister of Mines, 1956:

For the G-H orebody:

> "The deposit occurs in basaltic flows, tuffs and agglomerates of the Franklin Creek volcanic formation [= Karmutsen volcanics]. Sutton limestone is exposed at the north end of the 1,430 level and carbonaceous beds, probably part of the Sutton formation, at the west end of the main crosscut or the 1,340 level. The Franklin Creek and Sutton rocks are interbedded by irregular bodies of feldspar porphyry..."

"... a zone of garnet-epidote-actinolite skarn forms a southwesterly plunging pipe-like body extending from surface to the 1,100 level. The skarn is mineralized with chalcopyrite, pyrite, and pyrrhotite, which occur irregularly in it as stringers and small masses.

Similar mineralization in highly epidotized flow rocks that contain no garnet has been exposed on the 1,100 level. The epidote alteration appear to have followed extension fracturing."

The "E" zone, about 1,000 feet due south of the G-H ore-body, consists of pyrrhotite which has replaced the bedded rock. The pyrrhotite is irregularly veined with chalcopyrite and pyrite. There are also small grains of hematite.

At this time, Mr. A.C. Skerl performed a Self-Potential survey as well as limited geological mapping near the mine site. In addition, in 1959, Mr. G.A. MacDonald completed some Self-Potential work to the northwest and anomalies were picked up.

In 1964, surface geological mapping and quantitative geochemical soil sampling was performed by D.C. Malcolm of Cowichan Copper.

Canex Placer optioned the property in 1976 and they conducted some more SP work but the option was later dropped.

In 1979, Corrie Copper Ltd. optioned the property from Mr. MacDonald and Mr. G. Schell. Mr. E.O. Chisholm examined the property and concluded that copper mineralization of mineable grade was present at the 1,100 level and some ore grade material had not been mined below the 1,220 level (Chisholm, 1979). A surface showing was also indicated with a strike length of 700 feet (213 metres) about 2,000 feet (610 metres) northwest of the main ore-body. This limy tuff assayed 7 feet (2.1 metres) of 8% copper. Malcolm (1976) placed this zone 610 metres northwest of the Sunnyside workings.

In 1980, a vector pulse electromagnetic survey was completed by G. White for Corrie Copper Ltd. Six kilometres of survey was run and strong conductors were present near the Blue Grouse workings.

Surface diamond drilling penetrating the zone immediately above the 1,100 level; intersecting 2 feet (60cm) of chalcopyrite mineralization within a 30 foot (9.1 metre) band of limestone. This intersection ran 8.85% copper, 0.35 oz/ton silver and 0.004 oz/ton gold (Phendler, 1981). Phendler concluded that this intersection represents the main ore zone immediately above the 1,100 level where no mining had taken place.

In 1981, 2,132 feet (650m) of underground drilling was completed on the 1,100 level. Significant intersections were 1.30% copper and 0.11 oz/ton silver over 0.5 feet, 2.16% copper and .005 oz/ton gold over 0.5 feet; 4.94% copper and 0.37 oz/ton silver over 13.0 feet and 2.85% copper and 0.20 oz/ton silver over 47.0 feet., It was concluded by Phendler (1982) that the uncommonly thick intersection of 47.0 feet may be the skarn occurring on a minor fold. No mineable block of mineralization was delineated either above or below the level.

In 1987, Shangri-La Minerals investigated the surface area to the north and east of the main Caycuse logging road. A grid of 37 kilometres was established with 100 metre spaced crosslines and 736 soil and 23 rock samples were collected and analyzed. Soils were taken at 50 metre intervals along the crosslines. An airborne VLF-EM and magnetometer as well as a ground magnetometer survey was completed along with a geological mapping program.

Anomalous copper in soils around L4+00S/1+75W as well as anomalous gold in soils at L23+00N/3+50W were located at this time. Coincident airborne EM and magnetometer anomalies along with significant copper in rock samples were located to the south of the main highway on the ridge.

In April 1989, Daiwan Engineering Ltd. working for Nic-Nik Resources Ltd. emplaced 26.4 kilometres of grid. A total of 919 soils, 56 rocks, 7 tailings samples and 1 pan concentrate sample, and 2 silts were collected at this time. Soils were collected every 25 metres along the grid lines. The main southwestern grid was emplaced with a cut base-line and flagged crosslines every 200 metres. Tyvex tags were used to mark stations. Three mini grids were established to the north of the logging road exploring the significant copper values previously found in rock between the Blue Grouse and Sunnyside workings, the largest SP anomaly to the northwest of the main workings and the gold soil geochemical anomaly further northwest.

REGIONAL GEOLOGY

Palaeozoic and Mesozoic volcanic, sedimentary and granitic rocks underlie the southern part of Vancouver Island. The oldest rocks of Upper Silurian to Lower Permian age belong to the Sicker Group; which consist of intermediate to silicic pyroclastics and greenstones. Overlying, conformably or disconformably, are the pillow lavas and breccias of the Upper Triassic Karmutsen Formation which along with the overlying Quatsino limestones from the Vancouver Group of rocks. The Vancouver and Sicker groups are highly deformed and folded in a northwesterly trending series of folds. These rocks are then overlain by volcanic tuffs, flows and sediments of the Lower Jurassic Bonanza Group.

The Lower to Middle Jurassic Island Intrusives made up of intermediate to felsic plutonic rocks cut the older rocks. The Upper Cretaceous Nanaimo Group unconformably overlies the older rocks and are made up of shales, sandstones and conglomerates. All the rocks have been folded and displaced by steeply dipping faults. The regional geological map is shown in Figure 3.

PROPERTY GEOLOGY

General

The dominant rocks to the north of the Caycuse road are mafic to intermediate flows of the Karmutsen Formation. Pillowed and massive porphyritic andesite-basalt flows are well exposed. The rocks appear slightly altered with a dark greenish-grey to brownish-grey weathered colour. They contain chlorite, amphibole and possibly pyroxene and disseminated pyrite with magnetite.

Overlying the Karmutsen formation is the massive dark grey, sericitic limestone of the Quatsino Formation. Calcite-filled fractures and stringers are quite common.

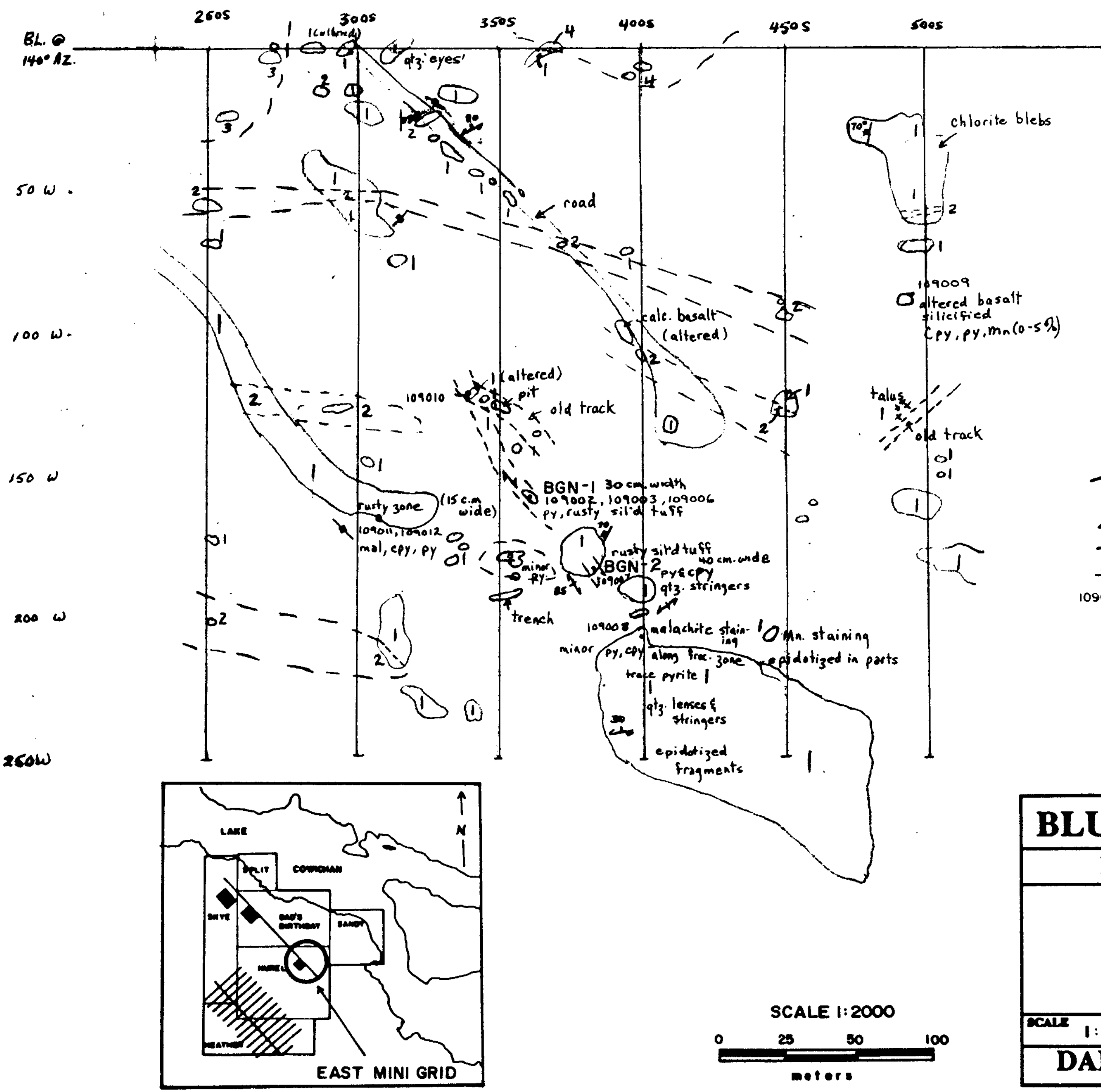
Feldspar porphyry intrusives cut the older rocks in this area.

To the south of the road and along the north part of the older gridded area, Lower Jurassic tuffs and flows with interbedded argillites and sandstones are predominant. This Bonanza Group of rocks overlies the Quatsino limestone. Zeolitic and calcareous filled fractures and shattered zones are quite common in the mapped area.

Volcanic conglomerates and sandstones of the Comox Formation of the Nanaimo Group outcrop to the east of the Sunnyside working on a logging road. Rounded volcanic cobbles and pebbles in a porphyritic volcanic matrix were noted. A metre wide bed of volcanic conglomerate was also noted to the south of the Caycuse logging road on a road cut on the 'Ridge Road'.

Structure

To the north of the Caycuse road, the older Karmutsen and Quatsino rocks seem to have a general northwest strike dipping moderately to the southwest. They have been folded into a series of overturned folds that strike northwest and dip to the southwest. The younger Bonanza and Nanaimo rocks disconformably overlie the older rocks. The Blue Grouse ore-body has been observed to be displaced by a thrust fault that dips gently to the south. Malcolm (1965) has interpreted other major thrust faults through the property.



LEGEND

1	MASSIVE (PORPHYRITIC) BASALT/ANDESITE
2	FELDSPAR PORPHYRY
3	LIMESTONE
4	GABBRO
	GEOLOGICAL CONTACT
	OUTCROP BOUNDARY
	FOLIATION
	FRACTURE
	ROAD
109010	ASSAY TAG NUMBER

BLUE GROUSE PROJECT

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EAST MINI GRID GEOLOGY

SCALE	DATE	FIG.
1: 2,000	MAY, 1989	3

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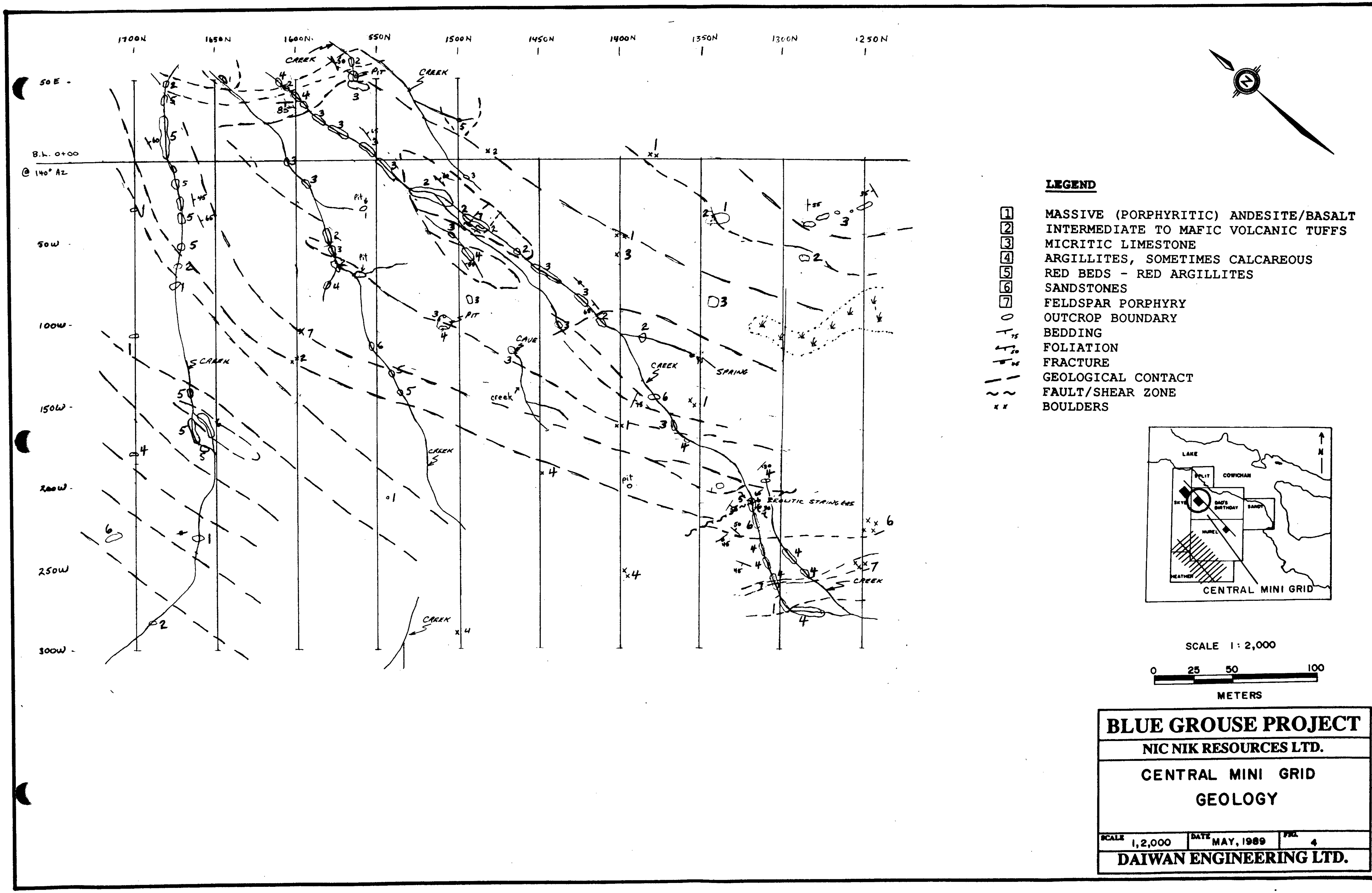

1700N
1650N
1600N
1550N
1500N
1450N
1400N
1350N
1300N
1250N
50E
B.L. 0+00
@ 140° Az
50W
100W
150W
200W
250W
300W
CREEK
PIT
SPRING
CAVE
N
LEGEND
1 MASSIVE (PORPHYRITIC) ANDESITE/BASALT
2 INTERMEDIATE TO MAFIC VOLCANIC TUFFS
3 MICRITIC LIMESTONE
4 ARGILLITES, SOMETIMES CALCAREOUS
5 RED BEDS - RED ARGILLITES
6 SANDSTONES
7 FELDSPAR PORPHYRY
OUTCROP BOUNDARY
BEDDING
FOLIATION
FRACTURE
GEOLOGICAL CONTACT
FAULT/SHEAR ZONE
BOULDERS
LAKE
COWICHAN
CENTRAL MINI GRID
SCALE 1 : 2,000
0 25 50 100
METERS
BLUE GROUSE PROJECT
NIC NIK RESOURCES LTD.
CENTRAL MINI GRID
GEOLOGY
SCALE 1,2,000
DATE MAY, 1989
FIG. 4
DAIWAN ENGINEERING LTD.

Detail Mapping 1989

The East mini-grid over the area of anomalous gold values reported by Shangri-La Minerals (samples BGN-1, BGN-2), (Figure 3) shows the general southwest trends of the various units. Feldspar porphyry dikes seem to occur as sills in this area.

The Central mini-grid over the previously reported SP anomaly (Figure 4), shows a more northerly direction for the strike of beds and dips are generally moderately to the south and northeast. One east-west striking fault was mapped.

The West mini-grid over the gold in soil anomaly (Figure 5) shows a northeasterly trend to the rocks. Two bedding measurements may indicate a plunging anticline with older Karmutsen volcanics in the core and Quatsino limestone and Bonanza volcanics and sediments on the flanks.

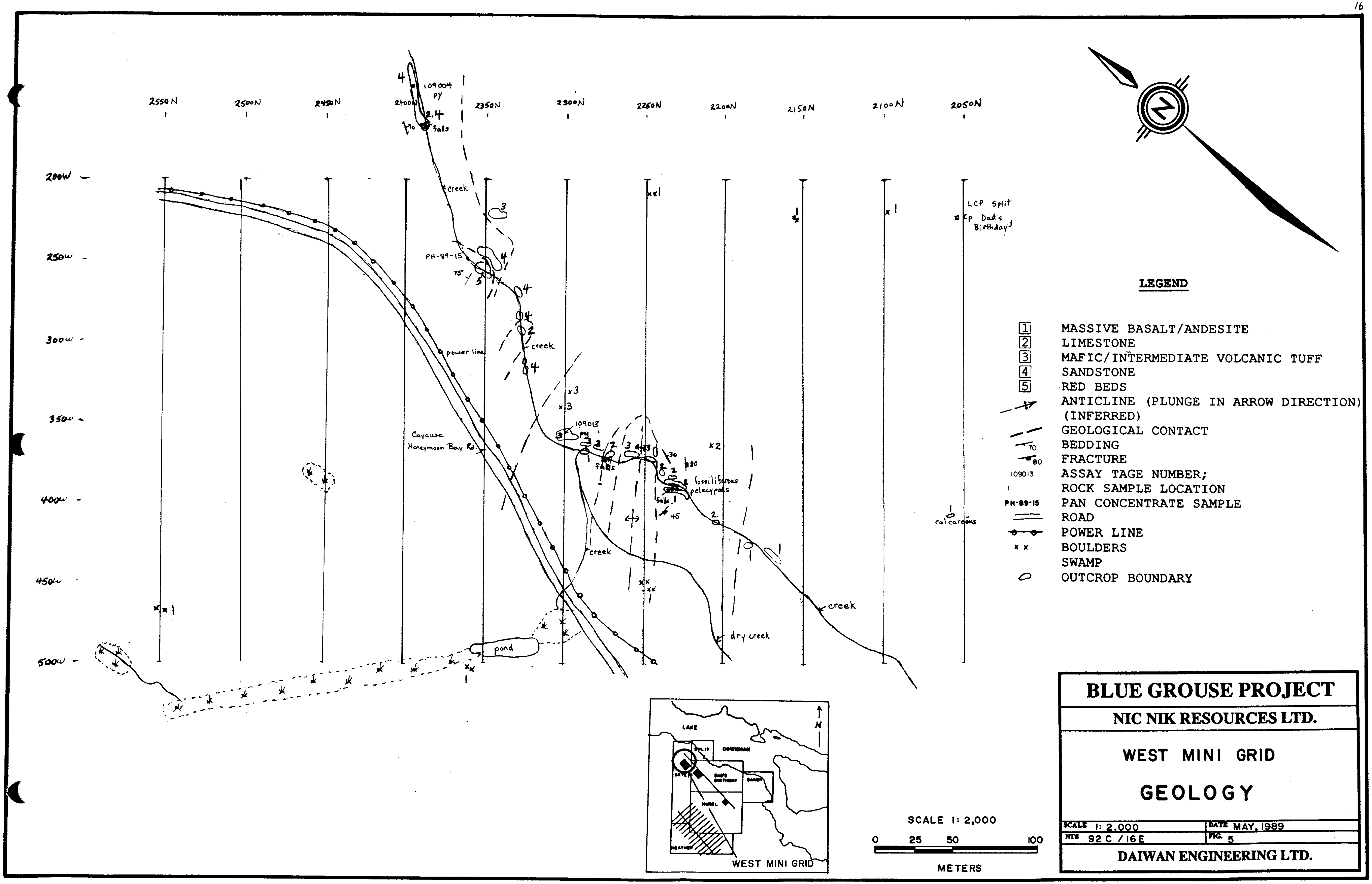
The new Southwest grid, south of the Caycuse logging road (Figure 6) is underlain by volcanic tuffs, flows and sediments of the Bonanza Formation. Strikes and dips of foliations and/or bedding vary from north-south to east-west. An interpretation of individual flow, tuff and sedimentary horizons within the Bonanza Group show a general east-west trend differentiating it from the north side of the Caycuse road. Minor fault and shear zones were noted along road cuts, with dips varying from 50 to 85°.

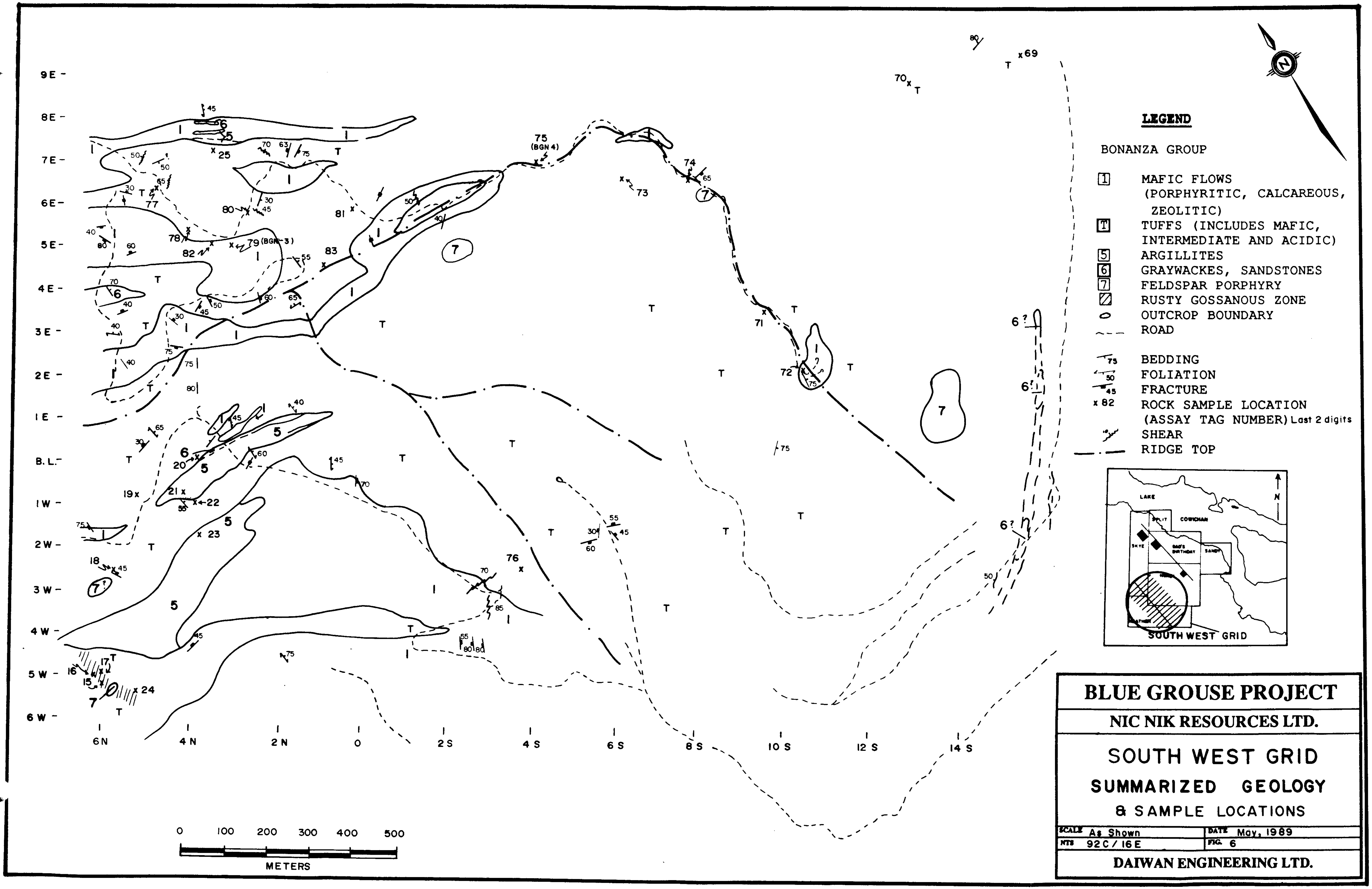
MINERALIZATION AND ALTERATION

In the Karmutsen and Quatsino rocks to the north of the Caycuse road, alteration is metamorphism and metasomatism of limestone and limy tuffs near feldspar porphyry intrusives that form skarns consisting of garnet, actinolite and epidote. In addition, chloritic and epidotic alteration is quite common throughout the volcanics.

The skarns contain pyrite, pyrrhotite and chalcopyrite. The mineralization contains varying amounts of copper (up to 7%) and significant silver values. Gold values in these skarns are <100 ppb Au.

A silicified mineralized tuff horizon is present about midway between the Blue Grouse and Sunnyside workings on the crest of the hill (BGN-1, BGN-2, Figure 3). According to the report by Di Spirito (1987), these samples ran 41,720 ppm (4.2% Cu) and 14.0 ppm (0.41 oz/ton) Au and 39,789 ppm (CU 4.0%) Cu and 4.7 ppm (0.14 oz/ton) Au respectively.


2550N
2500N
2450N
2400N
2350N
2300N
2250N
2200N
2150N
2100N
2050N
200W
250W
300W
350W
400W
450W
500W
109004
py
falls
creek
PH-89-15
power line
Cayeuse Honeymoon Bay Rd
109013
py
falls
fossiliferous pelecypods
creek
dry creek
pond
LCP Split
Lcp Dad's Birthday
calcareous
LEGEND
1 MASSIVE BASALT/ANDESITE
2 LIMESTONE
3 MAFIC/INTERMEDIATE VOLCANIC TUFF
4 SANDSTONE
5 RED BEDS
ANTICLINE (PLUNGE IN ARROW DIRECTION) (INFERRED)
GEOLOGICAL CONTACT
70 BEDDING
80 FRACTURE
109013 ASSAY TAGE NUMBER;
ROCK SAMPLE LOCATION
PH-89-15 PAN CONCENTRATE SAMPLE
ROAD
POWER LINE
x x BOULDERS
SWAMP
OUTCROP BOUNDARY
LAKE
SPLIT
COWICHAN
DAD'S BIRTHDAY
SANDY
MUREL
HEATHER
N
WEST MINI GRID
SCALE 1: 2,000
0 25 50 100
METERS
BLUE GROUSE PROJECT
NIC NIK RESOURCES LTD.
WEST MINI GRID
GEOLOGY
SCALE 1: 2,000
DATE MAY, 1989
NTS 92 C / 16 E
FIG. 5
DAIWAN ENGINEERING LTD.


LEGEND
BONANZA GROUP
1 MAFIC FLOWS (PORPHYRITIC, CALCAREOUS, ZEOLITIC)
T TUFFS (INCLUDES MAFIC, INTERMEDIATE AND ACIDIC)
5 ARGILLITES
6 GRAYWACKES, SANDSTONES
7 FELDSPAR PORPHYRY
RUSTY GOSSANOUS ZONE
OUTCROP BOUNDARY
ROAD
BEDDING
FOLIATION
FRACTURE
x 82 ROCK SAMPLE LOCATION (ASSAY TAG NUMBER) Last 2 digits
SHEAR
RIDGE TOP
LAKE
SPLIT
COWICHAN
SKYE
SANDY
SOUTH WEST GRID
0 100 200 300 400 500
METERS
BLUE GROUSE PROJECT
NIC NIK RESOURCES LTD.
SOUTH WEST GRID
SUMMARIZED GEOLOGY
& SAMPLE LOCATIONS
SCALE As Shown
DATE May, 1989
NTS 92C/16E
FIG. 6
DAIWAN ENGINEERING LTD.

The two gold values quoted however, are actually the silver values recorded on the assay certificates. The actual gold values are 35 and 8 ppb respectively. This siliceous horizon was re-sampled by the author and sold values received are 4 ppb, 52 ppb, 37 ppb, 20 ppb, 3 ppb.

This horizon has been traced for about 80 metres in a general northerly direction. Visible sulphides are pyrite and chalcopyrite in this horizon, with copper values up to 5.8% Cu.

A further area of anomalous gold geochemistry in soils was reported from the geochemical survey performed by Shangri-La (1987). Detailed geological mapping in the area (West mini-grid, Figure 5) revealed an outcrop of limy tuff containing pyrite within the anomalous location. A representative rock sample in this area returned 5 ppb Au.

The SP anomalies revealed by MacDonald's survey (1959), were also investigated with detailed geological mapping (Central mini-grid, Figure 4). No sulphide mineralization was found. The area which is centred around a creek contained an old mine cart and old rails. Scrap steel was noted along the trail. This debris may be the cause of the SP anomaly.

Skarns are also found at the Sunnyside showing (see Figure 7), Limestone is in contact with altered volcanics forming the actinolite-garnet-epidote skarns containing pyrite, pyrrhotite and chalcopyrite. Strong clay alteration was noted within the volcanics.

To the south of the main logging road, the mineralization is either confined to fractures such as reported by Shangri-La Minerals (samples BGN-3 and BGN-4; containing pyrite and malachite), or siliceous rusty gossanous horizons. These gossans were found at the extreme western end of the grid (Line 6N, 5+00W; Line 4N, B.L. to 2+00W), and are siliceous horizons containing abundant pyrite. The zones are interspersed in intermediate tuffaceous rocks.

The altered volcanics were sampled with values ranging up to 43 ppb Au.

GEOCHEMICAL SURVEY

The following summaries have been prepared for the areas sampled during the 1989 program. Sample plots are located on the respective maps.

All soil samples were collected from the "B" horizon where possible using a grub hoe or soil sampling shovel. These samples were put into numbered draft paper soil bags and shipped via Greyhound to Acme Labs, Vancouver, B.C. All samples were assayed for Cu, Zn, Ag, Mn, As by ICP and gold was determined by MIBK extractor on a 10gm sample with AA finish.

Southwest Grid

This grid overlays the area of anomalous airborne magnetics response detailed in the 1987 airborne magnetometer survey conducted by Shangri-La Minerals Ltd. The grid covers a moderately steep ridge immediately south of the Blue Grouse and Sunnyside workings. A plot of the geochemical survey values is shown in Figure 8.

Gold

There are two zones displaying anomalous gold values within the grid. A small area with values up to 118 ppb Au is outlined by lines 10S and 12S between 400E and 700E. The second area is centred on 8S, 375W where a spot value of 430 ppb gold was obtained. On line 6S a further value of 175 ppb Au was obtained 150 m further uphill (175W) and on line 10S there are slightly anomalous values to 38 ppb adjacent and uphill of the spot anomaly. There is no copper or arsenic anomaly associated with either of the two anomalous zones.

Silver

There are no zones of significant anomalous silver. The highest silver value is 9 ppm on line 18S.

Copper

There are spot anomalies for copper in excess of 100 ppb scattered across the grid. Two zones of more continuous copper anomaly appear on the grid. The first is along the ridge top from 6N to 6S along line 7E, the second is within the northwest quadrant of the grid. This second, more broad zone is centred around anomalous arsenic values and a rusty gossanous zone within the mafic tuffs.

Zinc

Zinc values show a similar distribution to copper, with a broad zone of values to 279 ppm Zn centred at the northwestern copper anomaly.

Arsenic

One zone of arsenic mineralization, with values to 491 ppb As is totally enclosed by the northwestern copper-zinc anomaly. This area is shown on lines 6N and 4N between the baseline and 600 west. It overlaps and is uphill of the gossanous zones recorded in the mapping, and generally fits the boundary of the argillaceous rock unit.

Central Mini Grid

This detail grid was established to test the western most SP anomalies indicated by Skerl and MacDonald, 1959, see Figure 9.

Lines were established at 12+50N, 13+50N, 14+50N, 15+50N and 16+50N extending from the baseline to 3+00W. Lines 15+50N and 16+50N were also extended east of the baseline to 0+50E. Soil samples were taken at 25 m spacings.

Gold

Seven anomalous values were returned ranging from 18-111 ppb. Adjacent values of 43 and 111 ppb Au are located at L16+50N, 0+50E and 0+25E respectively. A weak linear comprising values of 24, 32 and 18 ppb Au extends from L15+50N/3+00W to L16+50N/1+75W at roughly 010°. An isolated high of 107 ppb Au is located at L14+50N/2+75W and has coincident anomalous values for As, Zn, and Mn of 12,112 and 3,608 ppm respectively.

Silver

One marginally anomalous value of 0.6 ppm Ag is located at L12+50N/0+25W.

Copper

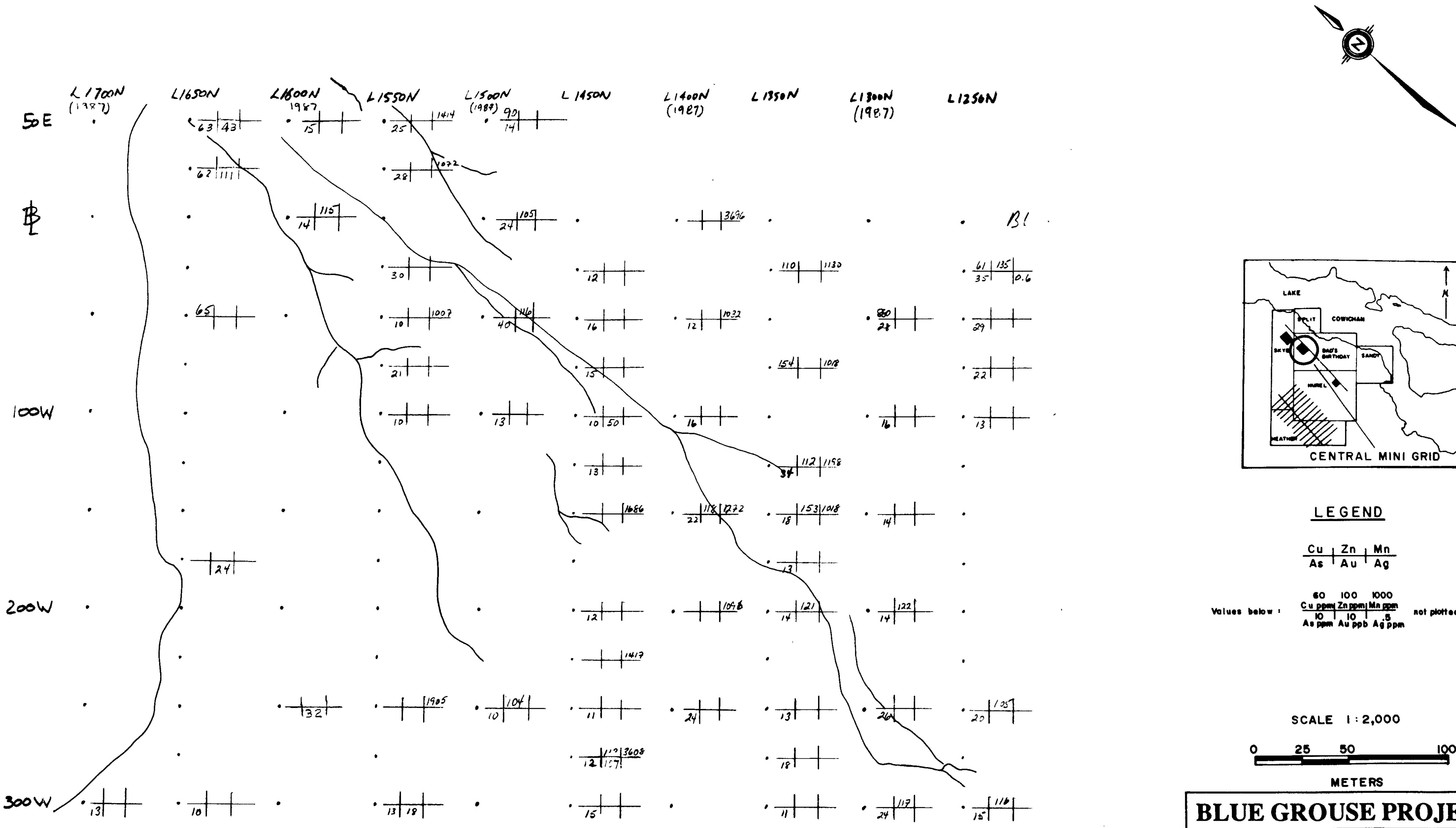
Four anomalous copper values ranging from 61-154 ppm Cu were returned. Three of the values 61, 110 and 154 ppm Cu located at L12+50W/0+25E, 13+50N/0+25E and 0+50E respectively surround an anomalous copper value of 880 ppm, located at L13+00N/0+5W, returned from the 1987 Shangri-La program.

Zinc

Seven anomalous values ranging from 105-153 ppm were returned. When taken in conjunction with the 1987 results a weak trend at 010° extending from L12+50N/3+00W to L16+00N/baseline is evident.

Manganese

Eleven anomalous values ranging from 1,007-3,696 ppm Mn were returned. These values are scattered over lines 13+50N, 14+50N and 15+50N with no apparent trend.



BLUE GROUSE PROJECT

NIC NIK RESOURCES LTD.

CENTRAL MINI GRID GEOCHEMISTRY

SCALE 1: 2,000 | DATE MAY, 1989 | FIG. 9

DAIWAN ENGINEERING LTD.

Arsenic

The whole grid is weakly anomalous in arsenic with values ranging from 10-63 ppm As. The two highest values 62 and 63 ppm As are coincident with gold values of 111 and 43 ppb Au respectively located at L16+50N/0+25E and 0+50E.

West Mini Grid

Soil sampling results from the 1987 exploration program carried out by Shangri-La Minerals Ltd. indicated a gold anomaly 100 m x 100 m centred at L23+00N/3+50W. A detail grid was established with lines at 20+50N, 21+50N, 22+50N, 24+50N, and 25+50N extending from 2+00W to 5+00W (line 23+50N had already been established during the 1987 program). Soil samples were taken at 25 m spacings, and are plotted in Figure 10.

Gold

The gold values established by the 1987 survey were not supported by samples taken on adjacent lines during this program. Other than scattered spot highs (17 ppb Au) the only contiguous anomalous values are 79, 13 and 14 ppb Au located on line 21+50N at 3+50W, 3+25W and 3+00W respectively. This mineralization is possibly related to the limestone-basalt contact observed in the creek bed 800 m to the west. These values are not considered significant as there are no other associated anomalous values at these stations as on adjacent lines.

Copper

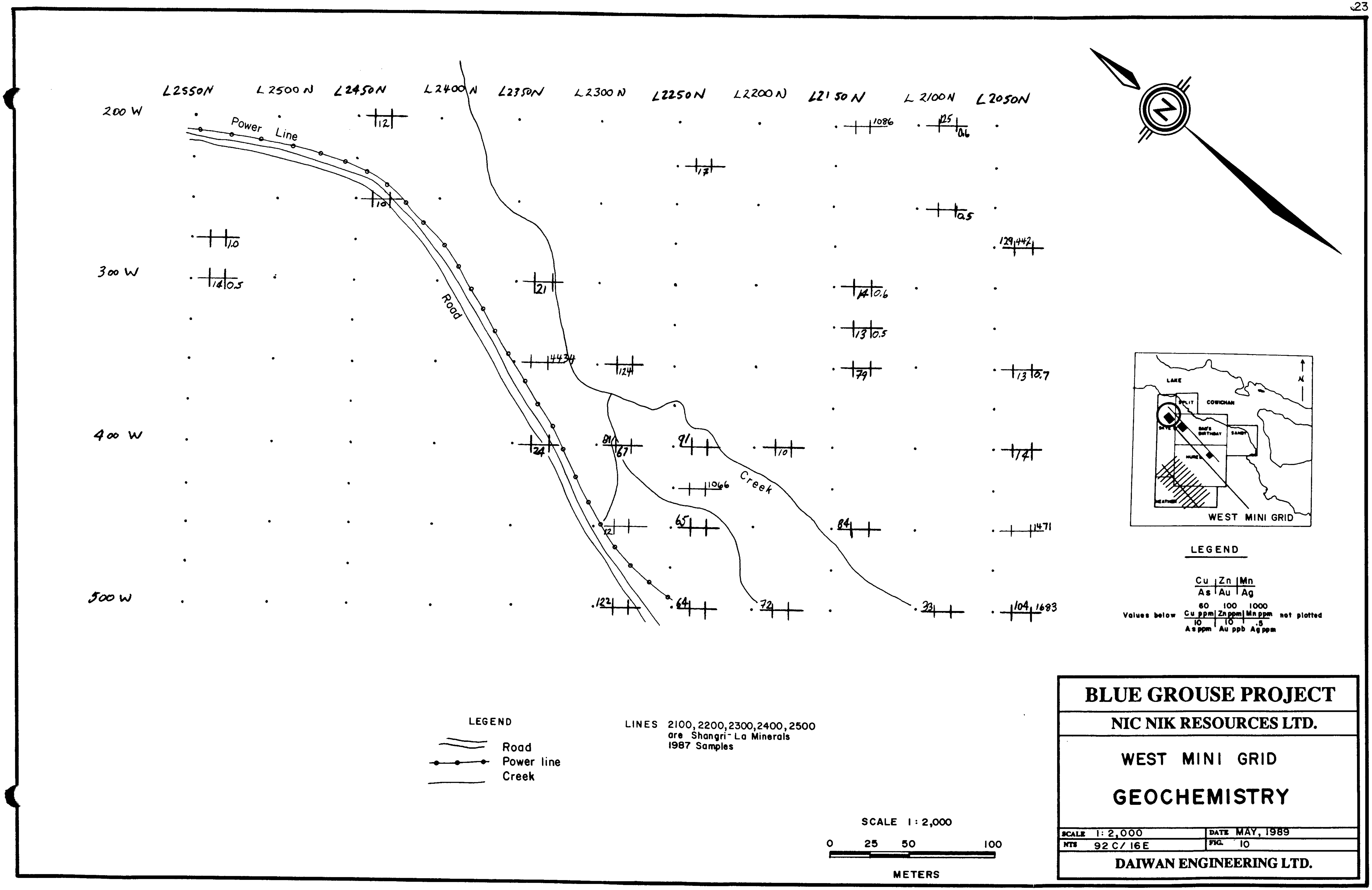
A weak copper anomaly (122 ppm Cu) extends from lines 21+00N, 23+00N and from 4+00W to 5+00W. This zone overlies the interpreted anticlinal axis roughly paralleling L22+50N. The anomaly is likely due to the presence of disseminated sulphides in the associated volcanics although only pyrite was observed in outcrop.

Zinc

Scattered spot highs to 442 ppm are present but show no pattern.

Manganese

Scattered spot highs to 4,434 ppm Mn are present.



L2550N
L2500N
L2450N
L2400N
L2350N
L2300N
L2250N
L2200N
L2150N
L2100N
L2050N
200 W
300 W
400 W
500 W
Power Line
Road
Creek
LAKE
SPLIT
COWICHAN
WEST MINI GRID
LEGEND
Cu | Zn | Mn
As | Au | Ag
Values below 60 Cu ppm | 100 Zn ppm | 1000 Mn ppm not plotted
10 As ppm | 10 Au ppb | .5 Ag ppm
LEGEND
Road
Power line
Creek
LINES 2100, 2200, 2300, 2400, 2500
are Shangri-La Minerals
1987 Samples
SCALE 1 : 2,000
0 25 50 100
METERS
BLUE GROUSE PROJECT
NIC NIK RESOURCES LTD.
WEST MINI GRID
GEOCHEMISTRY
SCALE 1: 2,000
DATE MAY, 1989
NTS 92 C/ 16 E
FIG. 10
DAIWAN ENGINEERING LTD.

Silver

The highest silver value returned was 1.0 ppm Ag and is located at L25+50N/2+75W.

Marginally anomalous values of 0.5 and 0.6 ppm Ag are coincident with the weak gold anomalies on line 21+50N at 3+50W and 3+25W. In line with these are two anomalies 0.6 ppm Ag at L21+00/2+00W and 0.5 ppm Ag at L21+00/2+75W.

Arsenic

One anomalous value of 10 ppm Ag is located at L21+50N/3+00W coincident with a gold and silver anomaly.

East Mini Grid

This detail grid was established to further test the area surrounding the incorrectly reported anomalous gold values of BGN-1 and BGN-2 from the 1987 exploration program. New lines were established at 2+50S, 3+50S and 4+50S extending from the baseline to 2+50N. Soil samples were taken at 25 m spacings, and are plotted in Figure 11.

Gold

No anomalous gold values were returned.

Silver

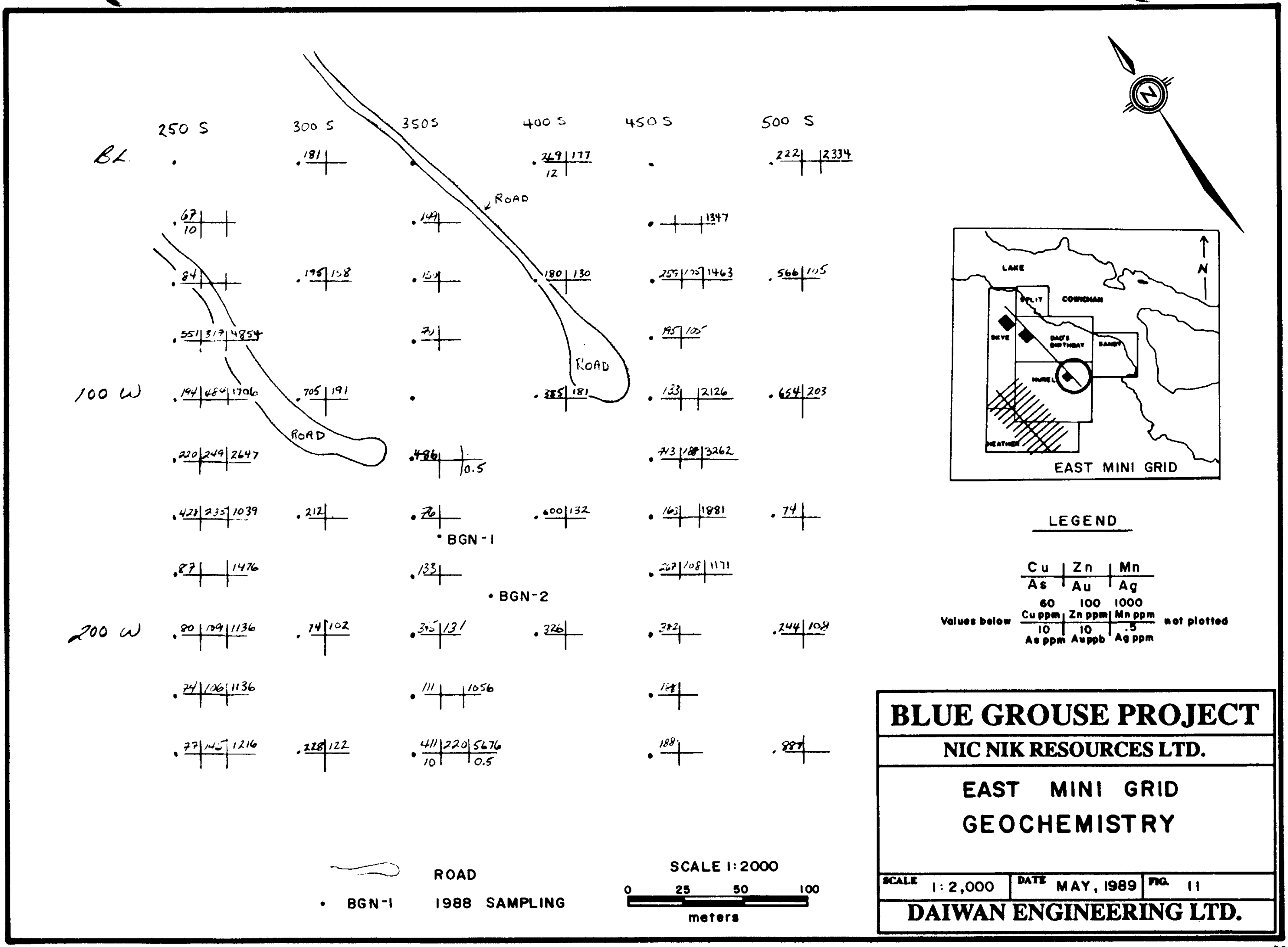
Two marginally anomalous values of .5 ppm Ag are located on line 3+50S at 1+25W and 2+50W. The value at 2+50W is coincident with anomalous values for Mn, Cu, Zn and Ag.

Copper

The whole grid is anomalous for copper with values ranging to 887 ppm Cu.

Zinc

Line 2+50S from 1+00W to 2+50W is almost completely anomalous in Zinc with values ranging from 106-484 ppm Zn. Other anomalous values are scattered over the grid.



250 S
300 S
350S
400 S
450 S
500 S
BL
100 W
200 W
ROAD
BGN-1
BGN-2
LAKE
COWICHAN
EAST MINI GRID
N
LEGEND
Cu | Zn | Mn
As | Au | Ag
Values below
60 Cu ppm | 100 Zn ppm | 1000 Mn ppm
10 As ppm | 10 Au ppb | .5 Ag ppm
not plotted
ROAD
• BGN-1 1988 SAMPLING
SCALE 1:2000
0 25 50 100
meters
BLUE GROUSE PROJECT
NIC NIK RESOURCES LTD.
EAST MINI GRID
GEOCHEMISTRY
SCALE 1:2,000
DATE MAY, 1989
FIG. 11
DAIWAN ENGINEERING LTD.

Manganese

Spot highs to 5,676 ppm are scattered. Line 2+50S., 1+50W-2+50W is completely anomalous ranging from 1,039-4,854 ppm Mn.

Arsenic

Only one anomalous arsenic value of 10 ppm As was returned located at L2+50S/0+25W.

GEOPHYSICAL SURVEY

A total of 25.65 km of crossline was surveyed using a Scintrex IGS-2 geophysical system. This instrument records data for both total field magnetics and VLF-EM for up to three transmitters.

Method

The magnetometer portion of this unit is a proton precession type and records the earths total magnetic field to an accuracy of 0.1 gamma. Corrections for diurnal variations are made using a Scintrex MP-3 in base station mode. Base station readings were taken at 10 second intervals and the base field varied by less than 50 gammas through the survey period.

The earth's magnetic field at any given point is subject to variations caused by cultural interference (power transmission lines, etc) and concentrations of magnetic minerals in the immediate area. The most common magnetic minerals are magnetite and pyrrhotite. Magnetite is an oxide of iron usually associated with mafic rock types. Pyrrhotite is a sulphide of iron and is often associated with sulphides of other metals such as copper, zinc, lead, arsenic etc.)

The VLF-EM portion of the unit acts as a receiver only. Powerful radio transmitters set up throughout the world for the purpose of military communication and navigation generate a primary field in the 15-25 khz range. When this primary field encounters a buried conductor (eg/massive sulphides, geological facies change, water filled faults, etc.) a secondary field is induced which distorts the primary field. The VLF-EM measures this distortion of the field. For maximum coupling, best results are obtained when the transmitting station is located in the direction of the geological strike of the conductor.

It should be noted that a limitation of the VLF-EM Method is its relatively high frequency. This causes such things as ridge tops, groundwater, swamps, and creeks to be recorded as conductors. Also the penetration is limited to about 20 metres of overburden or 60 metres of bedrock. For these reasons and others it is often considered prudent to confirm VLF-EM data using other geophysical, geochemical, or geological methods.

For this survey the transmitter located at Seattle, Washington (24.8khz) was used for all readings. Readings were also taken using the Annapolis, Md. transmitter (21.4Khz) when available. Signals from transmitters located at Cutler, Maine and Lualualei, Hawaii proved too weak to enable meaningful data to be recorded.

All data from the IGS-2 unit is recorded in the instrument's electronic notebook and stored to computer diskette at the end of each day. VLF-EM data was fraser filtered using Scintrex's FRASER program. Magnetometer and VLF-EM fraser filtered in-phase data for the Seattle transmitter was plotted and contoured for each of the grids.

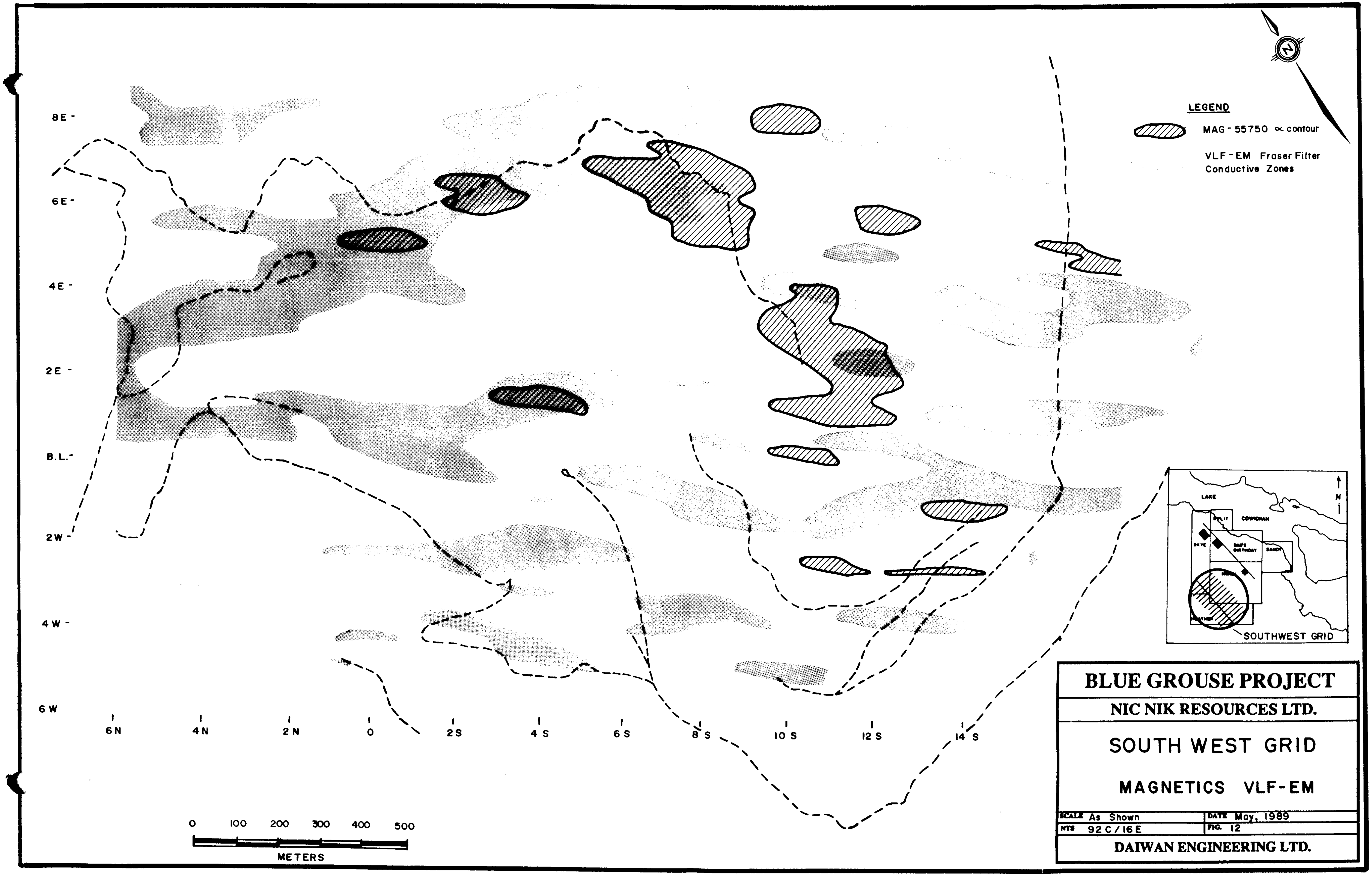
Magnetometer Survey Results

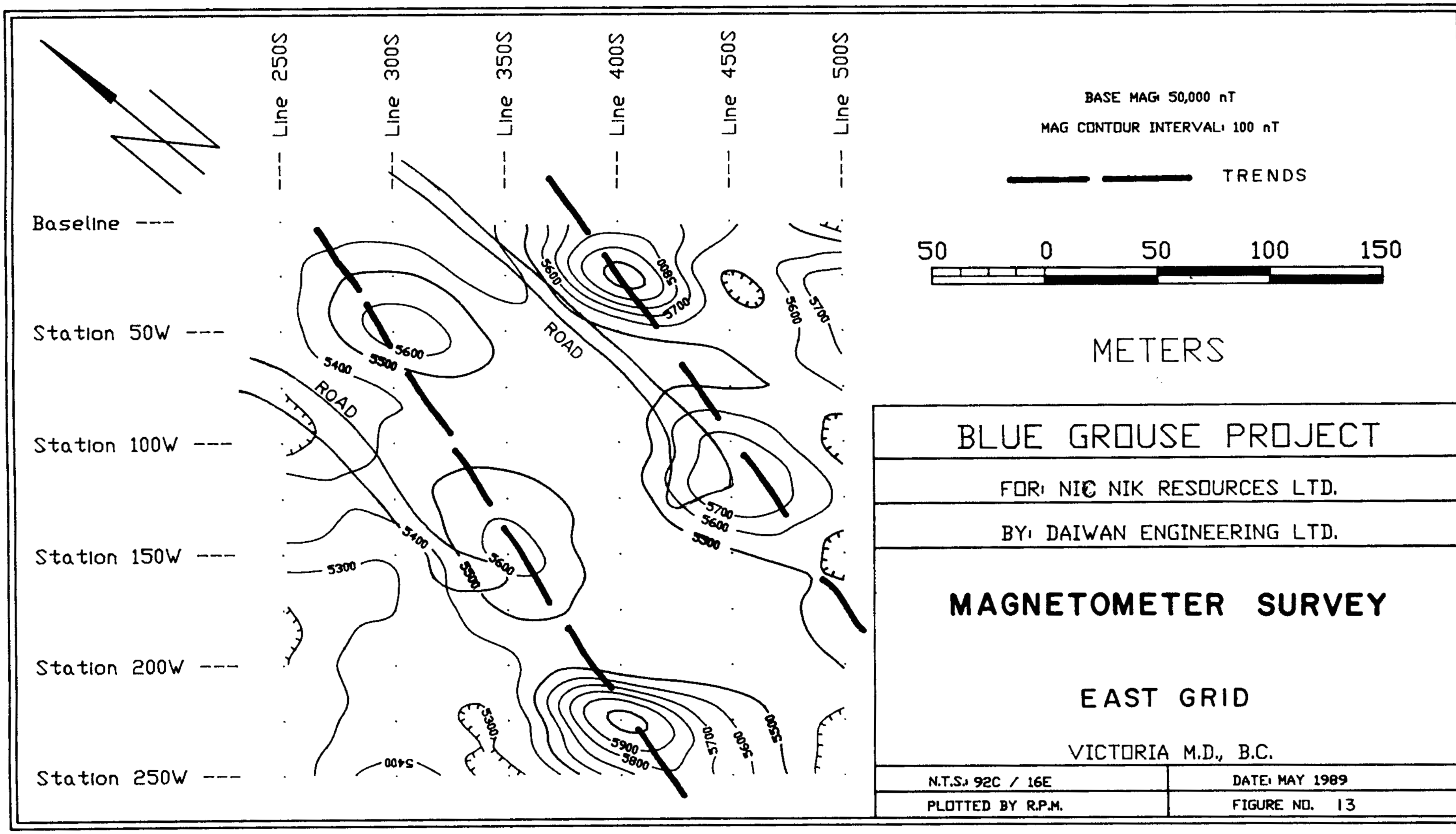
Southwest Grid

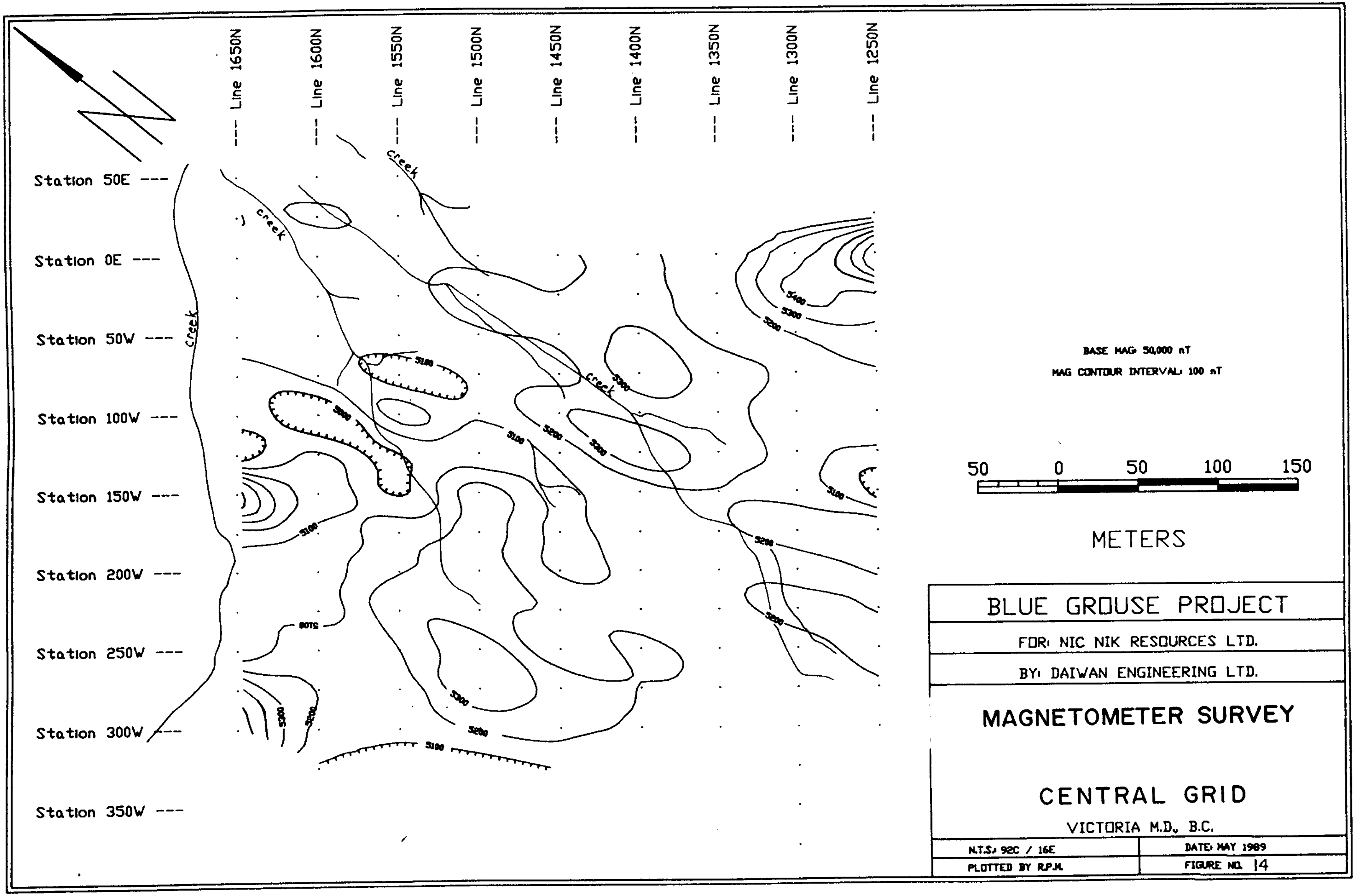
A compilation of the magnetometer and VLF data for the southwest grid is shown in Figure 12. The major feature evident is a generally high trend extending across that portion of the grid which lies east of station 400E between lines 1800S and 00 and also between the areas of L1400S/500W and L800S/600E.

A number of other more localized features are evident, the strongest being a mag high trend which roughly follows the crest of a ridge and is centred around L800S/550E and extends through L1200S/100E to the west and through L00/450E to the northeast. The trend continues to the northeast but weakens and appears to expire near L600N/400E. This trend is coincident with a VLF-EM fraser filter high from L800/550E to the northeastern boundary of the grid. There is some evidence from geological mapping that this trend northeast of L800S/550E is coincident with a geological boundary between tuffs and mafic flows.

Other features coincident with VLF fraser filter trends are centred around L1400S/275W, L1400S/100W, L400S/300W, L400S/100E, and L1200S/600E.


LEGEND
MAG - 55750 ∝ contour
VLF - EM Fraser Filter
Conductive Zones
8E
6E
4E
2E
B.L.
2W
4W
6W
6N
4N
2N
0
2S
4S
6S
8S
10S
12S
14S
0 100 200 300 400 500
METERS
LAKE
COWICHAN
SOUTHWEST GRID
N
BLUE GROUSE PROJECT
NIC NIK RESOURCES LTD.
SOUTH WEST GRID
MAGNETICS VLF-EM
SCALE As Shown
DATE May, 1989
NTS 92 C/16 E
FIG. 12
DAIWAN ENGINEERING LTD.


Line 250S
Line 300S
Line 350S
Line 400S
Line 450S
Line 500S
Baseline
Station 50W
Station 100W
Station 150W
Station 200W
Station 250W
ROAD
ROAD
5300
5400
5500
5600
5700
5800
5900
BASE MAG: 50,000 nT
MAG CONTOUR INTERVAL: 100 nT
TRENDS
50 0 50 100 150
METERS
BLUE GROUSE PROJECT
FOR: NIC NIK RESOURCES LTD.
BY: DAIWAN ENGINEERING LTD.
MAGNETOMETER SURVEY
EAST GRID
VICTORIA M.D., B.C.
N.T.S.: 92C / 16E
DATE: MAY 1989
PLOTTED BY R.P.M.
FIGURE NO. 13



BLUE GROUSE PROJECT

FOR: NIC NIK RESOURCES LTD.

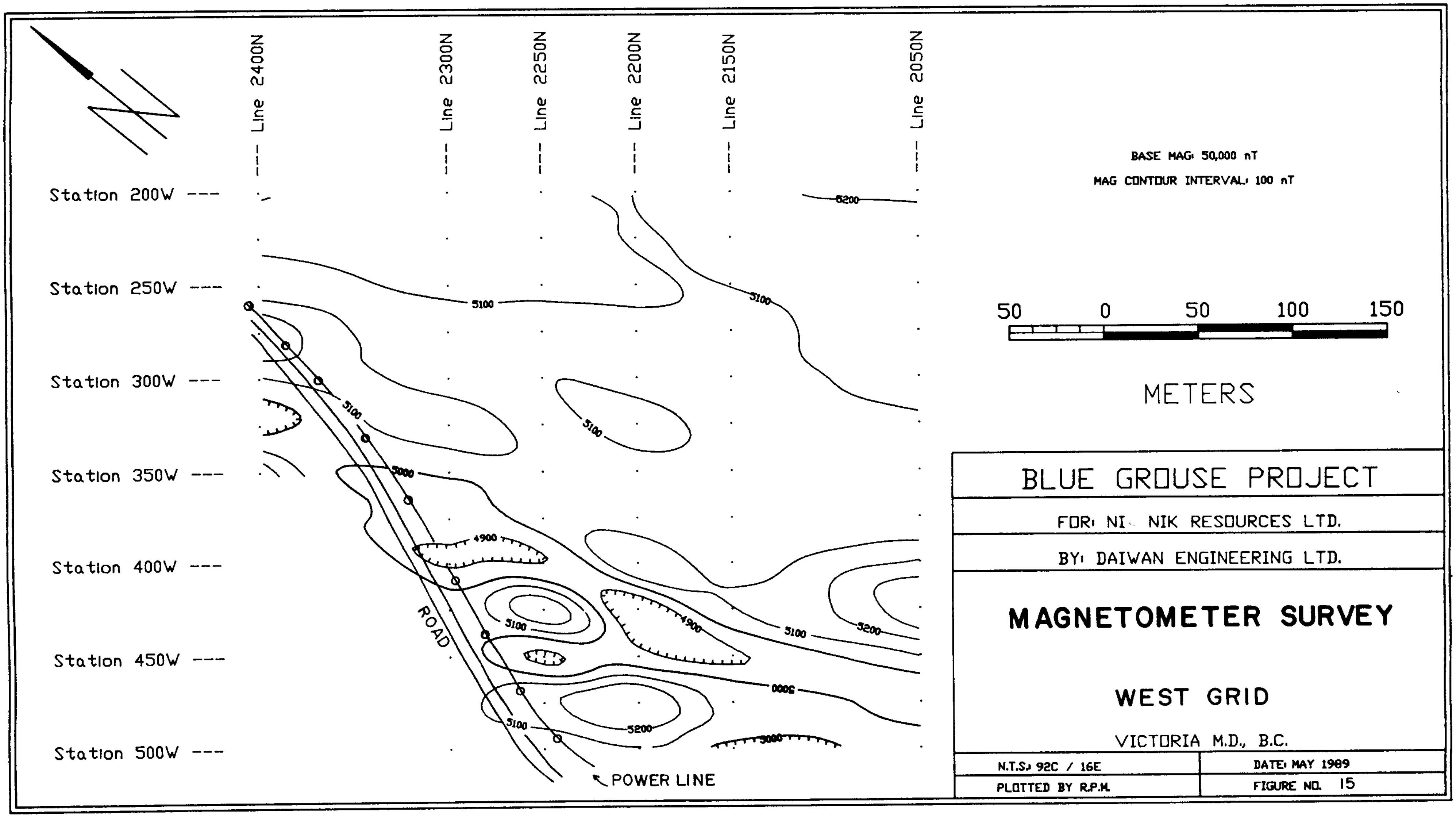
BY: DAIWAN ENGINEERING LTD.

MAGNETOMETER SURVEY

CENTRAL GRID

VICTORIA M.D., B.C.

N.T.S.: 92C / 16E	DATE: MAY 1989
PLOTTED BY R.P.M.	FIGURE NO. 14


Line 2400N
Line 2300N
Line 2250N
Line 2200N
Line 2150N
Line 2050N
Station 200W
Station 250W
Station 300W
Station 350W
Station 400W
Station 450W
Station 500W
5200
5100
5100
5100
5100
5000
4900
5100
4900
5100
5200
5000
5100
5200
5000
ROAD
POWER LINE
BASE MAG: 50,000 nT
MAG CONTOUR INTERVAL: 100 nT
50 0 50 100 150
METERS
BLUE GROUSE PROJECT
FOR: NI NIK RESOURCES LTD.
BY: DAIWAN ENGINEERING LTD.
MAGNETOMETER SURVEY
WEST GRID
VICTORIA M.D., B.C.
N.T.S.: 92C / 16E
DATE: MAY 1989
PLOTTED BY R.P.M.
FIGURE NO. 15

A number mag spot lows occur within the grid area. Notable among these are a low at L800S/400W which corresponds to a VLF conductor and a soil geochemical anomaly of 430 ppb's Au. Another mag low extending from L600N/550W to L400N/575W corresponds to a gossan at L600N/600W.

East Grid

Magnetometer trends on this grid are not readily evident due to the orientation of the grid in relation to the trends which are present. Two weakly magnetic trend running parallel to each other occur 100 metres apart striking almost due north. One runs from L400S/225W and extends through L300S/50W while the other runs between L450S/125W and L400S/25W. These appear to coincide with the trend of the zone of silicification defined by samples BGN-1&2. Both anomalies are open at each end. Data is presented in plan form in Figure 13.

Central Grid

No apparent magnetic trends occur on this grid. General relief of the data runs in a northerly direction with only weakly magnetic spot highs occurring within the confines of the grid. Data is presented in plan form in Figure 14.

West Grid

No useful data is available from this grid since the data is skewed by a power transmission line. A plot of the total field strength is shown in Figure 15.

VLF-EM Survey Results

Southwest Grid

Several VLF-EM trends exist within the grid area, (see compilation map Figure 12) the strongest and most persistent of which corresponds to a magnetometer high and extends from L800S/550E to L400N/325E. This anomaly might be discounted as a topographic high except that it corresponds to a magnetics high also.

Another very strong conductor is located at L400S/25E and a trend extends from there to L400S/75E. This feature corresponds to a magnetics high at its southern end.

Two other VLF-EM trends with a strike length approaching 1 km occur on this grid. These extend from L1800S/375E to L1000S/400E and from L1800S/100W to L600S/100W. Numerous other VLF-EM conductors of lesser size occur but none readily appear to correspond to known geological features of interest. These may relate to volcanic tuff horizons and flow tops.

East Grid

A single VLF-EM conductor occurs on this grid and extends from L400S/62.5W to the edge of the grid at L250S/175W and probably beyond. This trend is roughly perpendicular to the mag trends previously discussed. This may indicate a fault zone, however mapping failed to define this. Data is presented in plan form in Figure 16.

Central Grid

The major trend evident on this grid is a strong conductor running from L1350N/250W to L1450N/150W. A second trend running roughly perpendicular to the first crosscuts it at L1400N/200W. This second trend is interrupted in the area just east of the trend intersection by a non conductive zone about 50 metres wide. The north trenching zone appears to coincide with a limestone-argillite boundary. Minor faulting was mapped to the south of the cross structure. A further stronger fault zone may be the cause of this anomaly, although none was mapped. Data is presented in plan form in Figure 17.

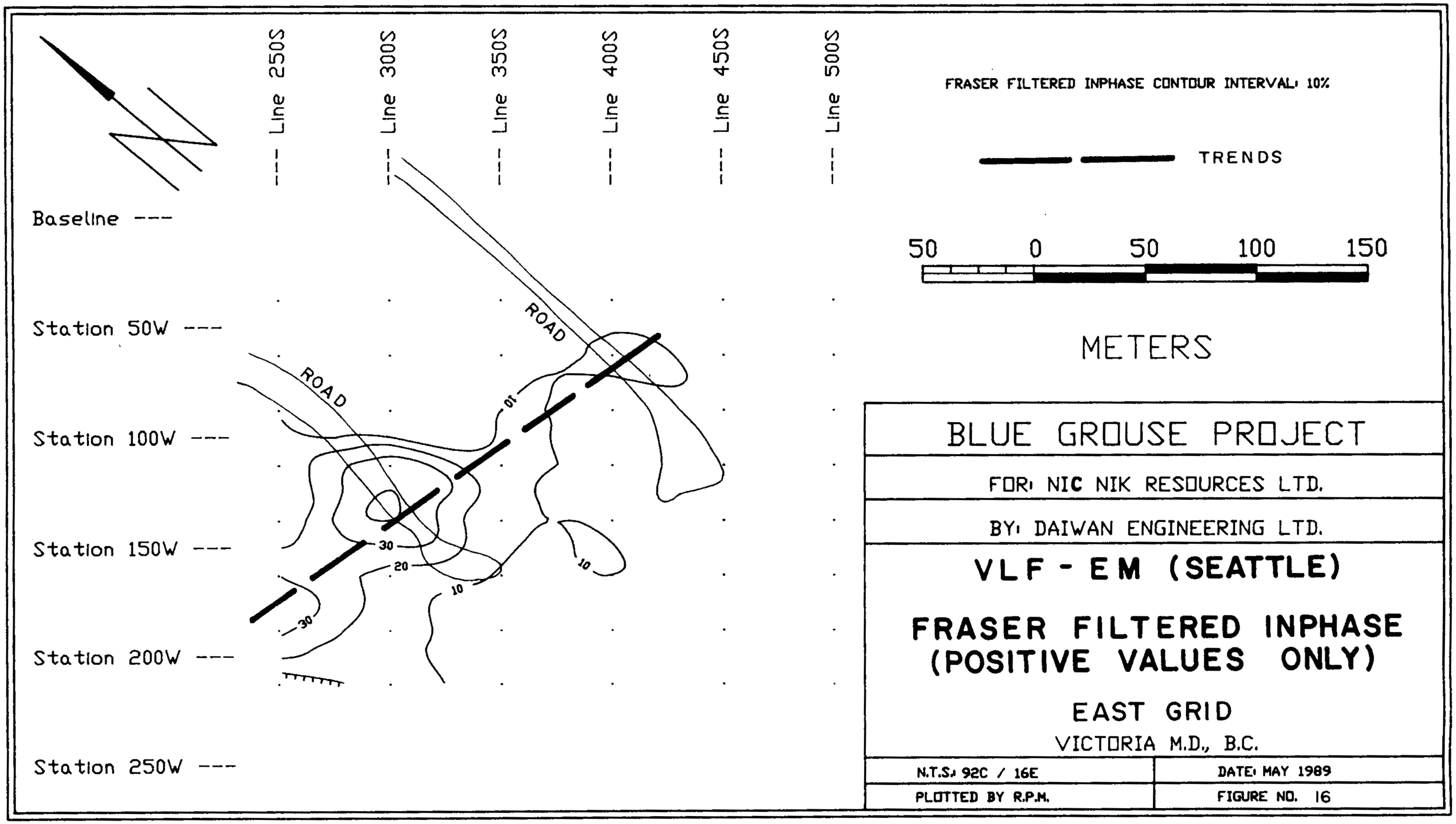
West Grid

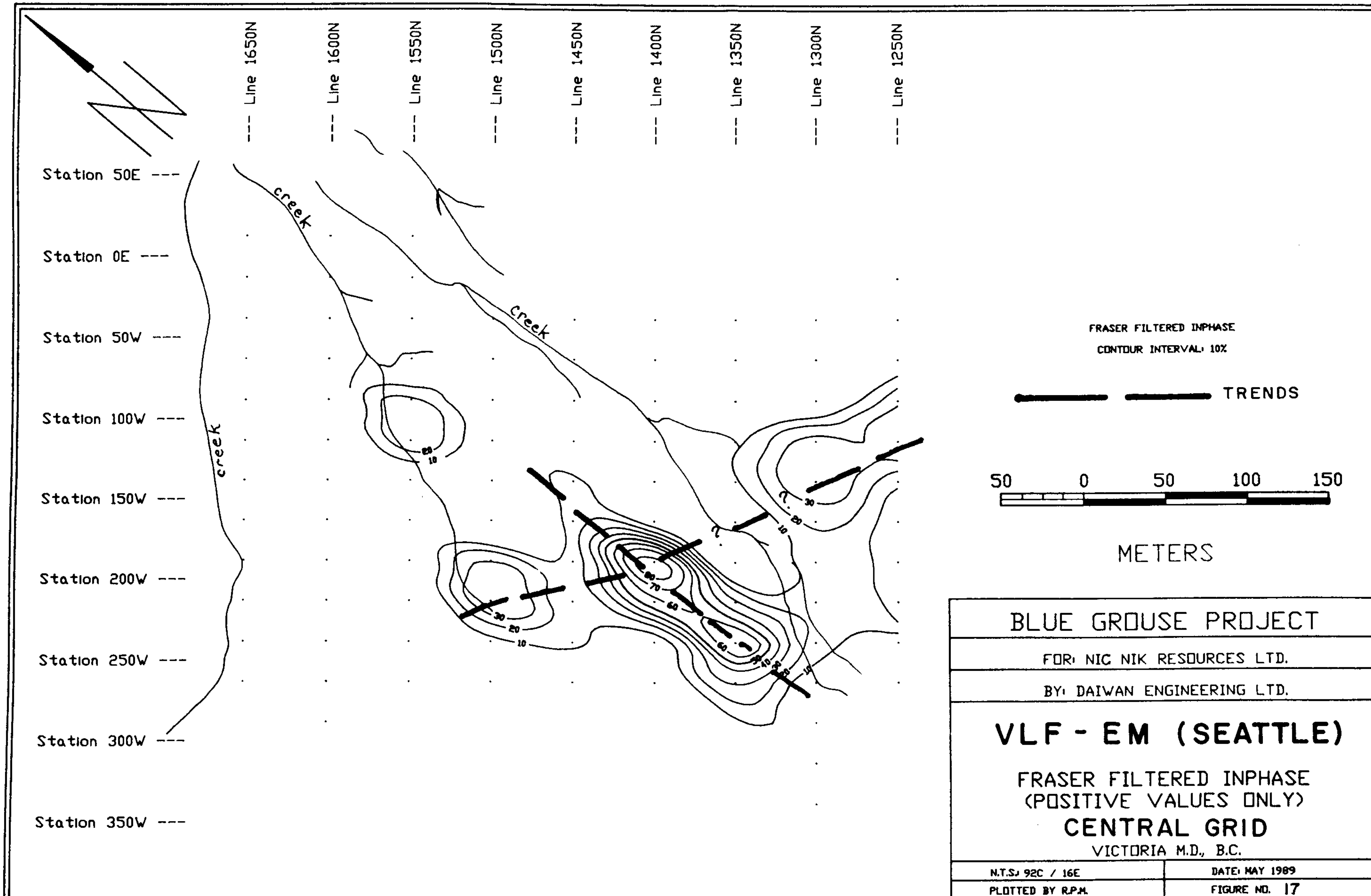
No useful data is available for this grid as the readings were skewed by the presence of a power transmission line. There was no residual fraser filtered anomaly.

INTERPRETATION OF UNDERGROUND WORK

Research was conducted by the author of all the data and plans that were available on the Blue Grouse mine from government reports and the property file available in Victoria.

This research indicated a discrepancy in the labelling of the various levels within the mine. It is possible that the original level numbers such as 950 that correspond to the 1,100 level and 1,200 corresponding to the 1,340 level may actually represent true elevations. If that is the case, previous interpretations of surface drill-holes may prove erroneous. Specifically drill hole 80-2 may have stopped short of testing all the intervals between the 1,200 and 1,100 levels.


Line 250S
Line 300S
Line 350S
Line 400S
Line 450S
Line 500S
Baseline ---
Station 50W ---
Station 100W ---
Station 150W ---
Station 200W ---
Station 250W ---
ROAD
ROAD
10
30
20
10
10
30
FRASER FILTERED INPHASE CONTOUR INTERVAL: 10%
TRENDS
50 0 50 100 150
METERS
BLUE GROUSE PROJECT
FOR: NIC NIK RESOURCES LTD.
BY: DAIWAN ENGINEERING LTD.
VLF - EM (SEATTLE)
FRASER FILTERED INPHASE
(POSITIVE VALUES ONLY)
EAST GRID
VICTORIA M.D., B.C.
N.T.S.: 92C / 16E
DATE: MAY 1989
PLOTTED BY R.P.M.
FIGURE NO. 16


Line 1650N
Line 1600N
Line 1550N
Line 1500N
Line 1450N
Line 1400N
Line 1350N
Line 1300N
Line 1250N
Station 50E
Station 0E
Station 50W
Station 100W
Station 150W
Station 200W
Station 250W
Station 300W
Station 350W
creek
creek
creek
FRASER FILTERED INPHASE
CONTOUR INTERVAL: 10%
TRENDS
50 0 50 100 150
METERS
BLUE GROUSE PROJECT
FOR: NIC NIK RESOURCES LTD.
BY: DAIWAN ENGINEERING LTD.
VLF - EM (SEATTLE)
FRASER FILTERED INPHASE
(POSITIVE VALUES ONLY)
CENTRAL GRID
VICTORIA M.D., B.C.
N.T.S.: 92C / 16E
DATE: MAY 1989
PLOTTED BY R.P.M.
FIGURE NO. 17

On the 1,100 level previous drilling indicated small blocks of mineralization above the level, and several intersections of ore grade material below the level. This drilling did not indicate any continuous mineable zone. Further drilling down the plunge extension of the known mineralization could define further mineable mineralization. In view of the previous exploration attempts a significant drill program would be required to define further mineable mineralization.

At this stage there are no detailed geological maps available showing the underground geology. Until further mapping is undertaken (see Budget) the potential for extending the known mineralization cannot be established.

Tailings Pond Samples

A series of samples were taken from the tailings area on the property.

Two tailings ponds on the property situated 400 m east of the old Blue Grouse mill site were sampled for copper, gold and silver content. The ponds are each approximately 140 m x 35 m in area. Seven samples were taken from the centre line of each pond from depths of 20-45 cm.

The following samples show the results and averages for the two ponds:

	Sample#	Cu%	Au ppb	Ag ppm
Tailings Pond #1	109004	.19	27	na
	109005	.24	30	na
	109029	.18	16	.5
	109030	.15	20	.1
	Average	.19	23	
Tailings Pond #2	109026	.09	12	.1
	109027	.09	9	.1
	109028	.07	9	.1
	Average	.08	10	

CONCLUSIONS

1. The gold assays reported for samples BGN-1 and BGN-2 were incorrect, and should be reported as silver values. There were no significant gold values produced from soil or rock samples in this area.

2. There was no extension of the gold soil anomaly reported from the 1987 work program in the area of the West grid. Geological mapping failed to define any significant target in this area for trenching.

3. Geophysical VLF-EM and mag surveys did not further define the reported SP anomalies on the Central grid, however mapping indicated considerable conductive debris in the area.

4. In the extreme southwest of the property there are significant gossanous zones within intermediate volcanic flows and tuffs. No significant copper or gold assays were obtained from this area, however there should be further evaluation of the copper potential of the zone.

5. Gold values on the southwest grid are erratic. Single point values are, however, strong enough to require further field checking, especially on line 8S and 10S.

6. The copper rich samples BGN-3 and BGN-4 obtained in 1987 were duplicated by sampling during the recent program. They were shown however to be related to small fracture/shear zones, and not to have significant mineable potential.

7. A gossanous zone showing strong pyrite mineralization and silicification in the northwest portion of the Southwest grid hosts a new copper and arsenic soil anomaly.

8. The underground workings have been closed. A moderate program of rehabilitation would, however, allow access to the 1,100 level. There are strict environmental and safety procedures to follow should this be attempted.

9. The magnetometer and VLF-EM surveys on the small grids did not produce significant results for follow-up work. The surveys on the Southwest grid appear to reflect topography in most cases (VLF-EM survey), however the magnetics anomaly located between lines 10 and 12S at 500E may be related to the coincident weak gold anomaly.

RECOMMENDATIONS

1. A brief field reconnaissance and mapping should be attempted on infill lines 600S, 800S, and 1000S on the Southwest grid in the areas of the reported gold in soil values.

2. The south west boundary of the property should also be mapped on a reconnaissance scale to determine the extent of the gossans near 600N, 600W. If necessary a further claim should be staked, to cover any significant extent of the zone.

3. No surface trenching is necessary until significant geochemical or geological targets are identified. Underground mapping is required to establish the potential of the copper mineralization between the 1,200 and 1,100 mine levels, and at depth below the 1,100 level.

4. Any drill program to establish the continuity of the copper mineralization below the 1100 level should be conducted in conjunction with the reopening of the workings for the sampling program, because of the present difficulties over access and security.

5. Further magnetometer and VLF-EM surveying should await the better definition of geological targets.

BUDGET

Phase 1 - Investigation of Southwest Grid Area

MOB-DEMOB		$ 750
Geologist - 7 days @ $300/day		2,100
Food & Accommodation - 6 days @ $65/day		390
Vehicle - 1 week		350
Assays - 50 @ $15		750
Supplies, gas, etc.		300
Office and Report		750
		5,390
	Contingency	610
		$ 6,000

Phase 2 - Mapping of Underground Workings and Drilling

Security Bond - Fletcher Challenge Canada Ltd.		$ 20,000
Performance Bond - Ministry of Mines		5,000
Excavator - 6 days @ $1,000/day		6,000
Portal Re-Timber		7,500
Rentals (fans, etc.)		2,000
Supplies (underground)		1,500
Drilling - 1,000 m @ $18.50 (BQ)		18,500
MOB		3,000
Shift Boss - 1 month (say)		2,000
Senior Geologist - .5 day @ $380/day		1,900
Geologist - 5 weeks @ $290/day		10,150
Assistant - 3 weeks @ $120/day		2,520
Food and Accommodation - 56 days @ $65/day		3,640
Vehicle - 5 weeks @ $1,000 pm		1,200
Supplies (gas, etc.)		1,000
Assays - say 150 @ $15/sample		2,250
Drafting		1,500
Office and Report		2,500
		92,160
	Contingency	7,840
		$100,000
	TOTAL PHASE 1 AND 2	**$106,000**

STATEMENT OF COSTS

1.0	Personnel			
	P. Dasler - Senior Geologist - 6.68 days @ $380/day		$ 2,538.00	
	P. Hannigan - Project Geologist - 28.5 days @ $290/day		8,265.00	
	E. Harrington - Staff Geologist - 46.6 days @ $240/day		11,184.00	
	M. Mayer - Field Manager - 32 days @ $210/day		6,720.00	
	S. Davies - Field Crew - 21 days @ $195/day		4,095.00	
	V. Warwick - Field Crew - 8.5 days @ $195/day		1,657.50	
	T. Sheridan - Drafting - 10 days @ $200/day		2,000.00	$36,459.50
2.0	Transportation			
	4x4 rental and gas - 24 days @ $186.15/day		4,467.65	
3.0	Food and Accommodation			
	24 days @ $198.14/day		4,755.45	
4.0	Assay Costs			
	961 Soils 5 Element ICp + Geochem Gold @ $9.17		8,812.62	
	107 Rock 5 Element ICP + Geochem Gold @ $13.01		1,392.07	
			10,204.69	
5.0	Supplies			
	(flagging, soil bags, thread, etc.)		1,385.81	
6.0	Equipment Rental			
	VLF-EM and Mag Scintrex IGS-2		3,491.27	
7.0	Office Costs			
	Telephone	44.93		
	Secretarial	400.75		
	Reproductions	675.34		
	Miscellaneous	227.10	1,348.12	
8.0	Management Fee		5,022.38	30,675.37
			TOTAL	$67,134.87

CERTIFICATE OF QUALIFICATIONS

I, Peter Hannigan, of the City of Calgary, Alberta, do hereby certify that:

1. I am a geologist employed by Daiwan Engineering Ltd. with offices at 1030 - 609 Granville Street, Vancouver, British Columbia.

2. I am a graduate of the University of Calgary with a B.Sc. degree in Geology (1975).

3. I have practised my profession as a geologist for over 10 years.

4. This report is based on my personal knowledge of the Blue Grouse property, a review of geological and geochemical data from previous work, and field work under my personal supervision.

5. I have no interest in the property or shares of Nic-Nik Resources Ltd. or in any of the companies with contiguous property to their Blue Grouse Claim block, nor do I expect to receive any.

6. This report may be used by Nic-Nik Resources Ltd. for a Statement of Material Facts.

Peter Hannigan

Peter Hannigan, B.Sc.
May 8, 1989

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APPENDIX I

Rock Sample Descriptions

and

Assay Results

Daiwan Engineering Ltd.
#1030 - 609 Granville Street, Vancouver, B.C. V7Y 1G5
Phone: (604) 688-1508

Sample #	Type	Width M	Description	Cu ppm	Au ppb
109021	Chip	<10 cm	Rusty argillite. Uphill fm 4N/75W	49	3
109022	Chip	<10 cm	Siliceous rusty fe. in argillites 4N, 100W	75	3
109023	Chip	<10 cm	Fe. stained Fe. in volcanics py 1-20% 4N, 175W	195	25
109024	Float	-	Rusty boulder w pyrite 30M SE of 6N/6W	29	4
109025	Chip	<10 cm	Rusty shale in int. tuff 4N, 725E	78	2
109026	Bulk	-	Tailings road 275 m from road at 25 cm	906	12
109027	Bulk	-	Tailings road 260 m from road at 45 cm	879	9
109028	Bulk	-	Tailings road 225 m from road at 25 cm	658	9
109029	Bulk	-	Tailings road 125 m from road at 30 cm	1849	16
109030	Bulk	-	Tailings road 80 m from road at 20 cm	1594	20
PH-89-15			Pan concentrate - West Grid	86	1
PH-89-25			Pan concentrate	96	7
109069 15+25S/9+60E	Grab	<10 cm	f-mg xstal(?) tuff. Moderate-strong effervescence with minor calcite veinlets.	12	1
109070 12+60S/9+00E	Grab	<10 cm	fg. Felsic-intermediate Tuff. grey-green colour. Weak to moderate zeolite fracture.	52	1
109071 9+00S/3+60E	Grab	<10 cm	f-mg felsic-intermediate tuff. Weak to moderate zeolite fractures.	21	5
109072 10+25S/2+25E	Grab	-	mg amygdaloidal basalt with pinkish zeolites 5mm. Weak zeolite fracturing.	41	2
109073 6+00S/6+65E	Grab	-	f-mg tuff. Pale to medium green. Epidote 10-20%. Brecciated. Weak argillic alteration.	7	1
109074 7+50S/6+65E	Grab	-	f-mg intermediate tuff with weak to moderate zeolite fracturing.	85	1
109075 4+00S/6+70E	Chip	1 m	BGN-4 site. f-mg intermediate tuff. Grey colour with rusty fractures. Cu stain.	6868	43
109076 3+75S/2+50W	Grab	-	mg tuff moderate argillic alteration with weak to moderate zeolite fractures. Pale green.	75	3
109077 5+00N/6+40E	Chip	1 m	fg felsic-intermediate tuff. (1mm) Rusty patches with trace disseminated Py.	117	8
109078 4+20N/5+40E	Grab		fg tuff. Moderate argillic alteration. Weak to moderate zeolite fractures.	112	2
109079 3+25N/5+10E	Chip	15 cm	BGN-3 site. Rotten fracture/shear in intermediate tuff with scattered calcite fractures in surrounding rock. Cu stain.	7651	7

Sample #	Type	Width M	Description	Cu ppm	Au ppb
109080 2+75N/5+75E	Grab	<5 cm	fg felsic to intermediate tuff. Weak shear. Rusty fractures with weak zeolite fractures.	945	4
109081 0+25N/5+75E	Grab	-	fg intermediate to mafic tuff with strong zeolite fractures.	40	1
109082 3+80N/5+10E	Grab	-	fg intermediate to mafic tuff (2mm). Pale green. Weak to moderate zeolite fractures. Minor calcite filled fractures.	56	2
109083 1+00N/4+50E	Grab	-	f mg tuff. Pale green. Moderate silicification.	61	3
109051	Chip	1.0	Altered volcanic. Weak argillic alteration with minor epidote. Rusty fractures with weak-moderate limonite.	8498	2
109052	Chip	1.0	Altered volcanic. Buff coloured. Strong argillic alteration. Rusty fractures (Site of BGII Shangri-La 1987).	2536	5
109053	Chip	1.0	Altered volcanic. Weak argillic alteration. Fine tracing of white zeolite filled fractures.	209	1
109054	Chip	1.0	Buff coloured strong argillic alteration. Minor Cu stain. Rusty fractures.	10601	11
109055	Chip	0.6	As above with 3 mm Py veinlet.	4887	1
109056	Chip	1.5	Altered volcanic. Weak argillic alteration. Fine tracing of white zeolite veinlets.	424	1
109057	Chip	1.0	Buff coloured strong argillic alteration. Au staining. Trace disseminated pyrite.	646	1
109058	Chip	1.0	Altered volcanic. Weak argillic alteration with fine white zeolite veinlets.	11824	11
109059	Chip	1.0	Altered volcanic. Veinlets of white zeolite and patchy epidote. Weak argillic alteration.	180	3
109060	Chip	1.0	As above.	251	1
109061	Chip	1.0	Contact between limestone and altered volcanic. Py and Cpy blebs along contact. cu stain in volcanics.	7899	6
109062	Chip	1.0	Altered volcanic. White zeolite fractures. Weak argillic alteration with epidote.	147	2
109063	Chip	1.0	As above.	117	1
109064	Chip	1.0	Medium to dark brown strong argillic alteration. Soft.	269	8

Sample #	Type	Width M	Description	Cu ppm	Au ppb
109065	Chip	1.0	As above.	1831	15
109066	Chip	1.0	As above. Au stain.	9161	9
109067	Chip	1.0	Buff coloured very highly altered. Cu stain.	3240	1
109068	Chip	1.0	As above.	5786	7

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716 DATE RECEIVED: MAY 1 1989
DATE REPORT MAILED: May.10/89.

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Soil -80 Mesh AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY........ D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

DAIWAN ENGINEERING LTD. FILE # 89-0946 Page 1

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
L4N 6+25E	119	86	.1	872	6	5
L4N 6+50E	225	53	.1	917	8	1
L4N 6+75E	405	51	.1	719	6	1
L4N 7+00E	201	46	.1	1037	45	1
L4N 7+25E	176	57	.1	1241	32	1
L4N 7+50E	109	83	.1	1086	85	3
L4N 7+75E	42	38	.2	1281	15	4
L4N 8+00E	30	34	.2	903	6	1
L4N 8+25E	81	50	.1	395	3	1
L4N 8+50E	41	54	.2	389	5	1
L4N 8+75E	38	60	.1	409	2	4
L2N 6+00W	70	116	.1	1341	2	1
L2N 5+75W	43	107	.1	679	2	1
L2N 5+50W	45	97	.2	1175	2	1
L2N 5+25W	27	93	.2	699	2	1
L2N 5+00W	75	101	.1	1158	4	3
L2N 4+75W	54	94	.1	1210	5	4
L2N 4+50W	53	101	.1	1000	6	3
L2N 4+25W	45	104	.1	1443	2	2
L2N 2+75W	31	50	.2	481	2	2
L2N 2+50W	106	78	.1	1327	2	6
L2N 2+25W	53	97	.1	969	7	16
L2N 2+00W	76	99	.2	814	12	4
L2N 1+75W	21	84	.1	500	3	1
L2N 1+50W	192	110	.1	1112	10	4
L2N 1+25W	53	76	.1	541	2	3
L2N 1+00W	57	100	.2	897	5	1
L2N 0+75W	32	105	.1	1047	4	1
L2N 0+50W	17	78	.1	450	2	2
L2N 0+25W	89	96	.1	968	25	37
L2N 0+00W	12	68	.1	557	2	1
L2N 0+25E	46	103	.1	1173	19	130
L2N 0+50E	26	120	.3	1759	2	16
L2N 0+75E	32	112	.1	781	2	3
L2N 1+00E	21	111	.2	825	2	1
L2N 1+25E	28	88	.2	417	2	2
STD C/AU-S	60	132	6.8	960	37	50

DAIWAN ENGINEERING LTD.   FILE # 89-0946   Page 2

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
L2N 1+50E	26	115	.3	7547	5	3
L2N 1+75E	34	146	.1	1097	10	1
L2N 2+00E	56	114	.1	1733	7	2
L2N 2+25E	38	125	.6	1465	7	1
L2N 2+50E	7	75	.2	976	2	1
L2N 2+75E	7	53	.1	469	4	36
L2N 5+25E	10	47	.1	658	3	4
L2N 5+50E	7	33	.2	266	4	2
L2N 5+75E	25	69	.1	543	2	2
L2N 6+00E	17	58	.1	540	4	4
L2N 6+25E	19	74	.1	421	2	3
L2N 6+50E	18	57	.1	397	3	1
L2N 6+75E	188	59	.1	1940	5	2
L2N 7+00E	61	55	.2	1068	2	1
L2N 7+25E	15	50	.2	1196	3	4
L2N 7+50E	75	62	.1	629	4	3
L2N 7+75E	65	67	.2	871	20	3
L2N 8+00E	17	44	.2	515	6	4
L2N 8+25E	32	65	.2	650	7	3
L2N 8+50E	28	65	.1	710	5	1
L2N 8+75E	35	57	.1	408	2	2
L2N 9+00E	35	59	.1	423	2	2
L0+00 4+25W	75	147	.2	850	12	9
L0+00 4+00W	303	100	.1	1054	35	9
L0+00 3+75W	180	97	.1	1531	41	3
L0+00 3+50W	221	126	.1	534	13	4
L0+00 3+25W	129	118	.4	1459	11	4
L0+00 3+00W	31	94	.1	2272	15	7
L0+00 2+75W	51	99	.1	758	19	4
L0+00 2+50W	36	104	.1	891	5	5
L0+00 2+25W	64	117	.1	1442	11	2
L0+00 2+00W	57	102	.1	579	8	4
L0+00 1+75W	42	81	.1	1821	8	4
L0+00 1+50W	29	101	.1	1825	4	3
L0+00 1+25W	21	98	.1	947	2	2
L0+00 1+00W	83	93	.1	738	9	2
STD C/AU-S	61	133	6.6	962	39	49

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
L0+00 0+75W	54	94	.1	615	2	3
L0+00 0+50W	82	77	.1	518	4	3
L0+00 0+25W	38	56	.1	825	2	3
L0+00 0+00W	32	67	.1	362	5	3
L0+00 5+75E	82	71	.1	1007	2	2
L0+00 6+00E	79	69	.1	767	2	5
L0+00 6+25E	165	78	.1	863	8	2
L0+00 6+50E	145	58	.1	2724	2	1
L0+00 6+75E	39	63	.1	539	2	1
L0+00 7+00E	75	66	.1	630	4	2
L0+00 7+25E	62	78	.1	789	6	3
L0+00 7+50E	34	65	.1	1216	3	1
L0+00 7+75E	47	64	.1	660	5	3
L0+00 8+00E	52	56	.1	653	7	1
L0+00 8+25E	45	64	.1	479	2	2
L0+00 8+50E	42	64	.1	483	6	2
L0+00 8+75E	47	66	.1	849	4	1
L0+00 9+00E	31	87	.1	1205	5	1
L2S 6+00W	41	93	.1	1486	4	8
L2S 5+75W	18	71	.1	384	2	1
L2S 5+50W	69	99	.2	544	6	16
L2S 5+25W	44	107	.1	1129	6	2
L2S 5+00W	25	81	.1	898	2	1
L2S 4+75W	36	88	.1	940	6	1
L2S 4+50W	49	91	.1	515	2	1
L2S 4+25W	25	78	.2	951	4	1
L2S 4+00W	19	73	.1	1030	4	5
L2S 3+75W	30	93	.1	1243	2	1
L2S 3+50W	20	82	.2	567	4	1
L2S 3+25W	39	106	.1	561	2	1
L2S 3+00W	39	82	.1	979	4	2
L2S 2+75W	30	104	.2	1424	7	1
L2S 2+50W	55	124	.2	653	11	1
L2S 2+25W	21	62	.3	564	7	1
L2S 2+00W	34	93	.3	458	9	1
L2S 1+75W	75	96	.1	537	19	1
STD C/AU-S	62	132	7.1	1015	44	52

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
L2S 1+50W	34	88	.3	569	7	2
L2S 1+25W	29	67	.1	582	8	3
L2S 1+00W	31	100	.3	427	11	1
L2S 0+75W	26	132	.2	3163	7	1
L2S 0+50W	31	127	.6	4463	8	4
L2S 0+25W	27	115	.3	897	6	4
L2S 0+00W	29	94	.2	1346	16	3
L4S 1+75W	27	98	.3	953	2	1
L4S 1+50W	48	99	.1	746	2	1
L4S 1+25W	33	98	.1	1051	7	1
L4S 1+00W	22	87	.1	1505	8	1
L4S 0+75W	37	103	.1	4621	2	4
L4S 0+50W	32	108	.2	946	3	2
L4S 0+25W	44	103	.1	3331	4	1
L4S 3+25E	39	74	.1	599	2	1
L4S 3+50E	23	57	.1	555	2	1
L4S 3+75E	49	76	.1	632	2	2
L4S 4+00E	28	78	.1	960	2	1
L4S 4+25E	27	79	.1	478	2	1
L4S 4+50E	17	58	.1	439	2	1
L4S 4+75E	19	75	.1	780	2	4
L4S 5+00E	15	70	.1	787	2	2
L4S 5+25E	22	92	.1	978	2	3
L4S 5+50E	27	88	.1	1117	2	1
L4S 5+75E	24	52	.1	591	2	1
L6S 6+00W	15	56	.1	519	3	3
L6S 5+75W	17	63	.1	312	3	1
L6S 5+50W	26	75	.1	431	2	45
L6S 5+25W	25	68	.1	1043	2	1
L6S 5+00W	35	79	.1	845	3	1
L6S 4+75W	28	73	.3	991	2	5
L6S 4+50W	23	73	.1	1498	2	1
L6S 4+25W	31	103	.3	595	4	2
L6S 4+00W	22	110	.3	1736	2	3
L6S 3+75W	19	82	.2	1500	2	2
L6S 3+50W	57	92	.1	745	2	2
STD C/AU-S	61	133	6.7	1014	39	49

DAIWAN ENGINEERING LTD. FILE # 89-0946 Page 5

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
L6S 3+25W	26	75	.2	966	2	2
L6S 3+00W	49	91	.2	1453	2	4
L6S 2+75W	45	93	.2	1261	2	2
L6S 2+50W	42	91	.1	805	6	178
L6S 2+25W	32	74	.1	772	2	16
L6S 2+00W	26	83	.1	1755	2	2
L6S 1+75W	33	86	.1	731	2	1
L6S 1+50W	45	105	.1	554	2	1
L6S 1+25W	73	79	.1	1126	2	2
L6S 1+25E	50	68	.1	1084	2	4
L6S 1+50E	29	67	.1	692	7	1
L6S 1+75E	30	70	.1	871	2	1
L6S 2+00E	44	79	.1	874	2	1
L6S 2+25E	53	96	.2	936	2	1
L6S 2+50E	34	67	.1	1879	2	2
L6S 2+75E	72	72	.2	914	2	2
L6S 3+00E	40	82	.1	474	2	1
L6S 3+25E	34	67	.1	683	2	1
L6S 3+50E	49	63	.1	462	2	1
L6S 3+75E	31	68	.2	365	5	2
L6S 4+00E	49	71	.1	431	3	1
L6S 4+25E	36	77	.2	407	3	3
L6S 4+50E	17	59	.1	976	2	4
L6S 4+75E	27	81	.2	642	2	3
L8S 0+00E	50	92	.1	890	2	2
L8S 0+25E	24	75	.2	1129	2	1
L8S 0+50E	70	80	.1	701	3	2
L8S 0+75E	52	88	.1	784	2	1
L8S 1+00E	44	77	.1	679	2	1
L8S 1+25E	45	77	.1	979	2	1
L8S 1+50E	30	82	.1	925	3	2
L8S 1+75E	24	59	.1	352	2	1
L8S 2+00E	30	63	.1	676	2	1
L8S 2+25E	29	83	.1	970	2	1
L8S 2+50E	23	80	.1	870	2	1
L8S 2+75E	30	70	.1	1070	2	3
STD C/AU-S	61	132	6.7	1016	38	48

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
L8S 3+00E	33	78	.1	702	6	3
L8S 3+25E	26	69	.1	815	7	1
L8S 3+50E	28	71	.2	713	5	1
L8S 3+75E	23	86	.2	1031	5	2
L8S 4+00E	23	71	.3	670	5	1
L8S 4+25E	23	81	.1	1402	2	9
L8S 4+50E	16	70	.1	580	2	5
L8S 4+75E	14	38	.1	241	3	1
L8S 5+00E	24	64	.1	732	5	1
L8S 5+25E	29	82	.2	644	3	1
L8S 5+50E	41	79	.3	1759	5	3
L8S 5+75E	42	78	.2	1732	5	2
L8S 6+00E	76	89	.2	1766	2	4
L8S 6+25E	33	75	.2	3544	3	2
L8S 6+50E	54	92	.1	1865	2	1
L8S 6+75E	61	87	.1	1077	3	2
L8S 7+00E	64	93	.1	3416	7	2
L8S 7+25E	51	94	.1	2005	2	1
L8S 7+50E	50	86	.1	1907	3	2
L8S 7+75E	18	61	.1	523	5	1
L8S 8+00E	30	65	.1	1033	2	2
L8S 8+25E	69	81	.2	798	6	1
L8S 8+50E	58	84	.1	892	6	13
L8S 8+75E	77	74	.1	433	3	1
L8S 9+00E	24	73	.1	737	2	2
L10S 6+00W	33	84	.1	823	6	4
L10S 5+75W	25	68	.1	527	2	1
L10S 5+50W	42	80	.1	580	2	2
L10S 5+25W	29	76	.1	545	2	3
L10S 5+00W	29	93	.1	531	2	1
L10S 4+75W	43	88	.1	702	2	1
L10S 4+50W	27	97	.2	820	3	2
L10S 4+25W	38	87	.1	1182	2	38
L10S 4+00W	58	94	.1	1014	2	4
L10S 3+75W	28	95	.1	1105	2	2
L10S 3+50W	52	87	.1	1095	2	3
STD C/AU-S	60	132	6.8	1055	40	51

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
L10S 3+25W	22	81	.2	943	2	3
L10S 3+00W	20	77	.1	1487	2	12
L10S 2+75W	20	65	.2	996	4	2
L10S 2+50W	63	96	.2	1358	3	4
L10S 2+25W	19	68	.1	855	2	33
L10S 2+00W	28	91	.3	2090	5	11
L10S 1+75W	31	109	.2	608	4	40
L10S 1+50W	40	106	.2	1097	3	1
L10S 1+25W	21	93	.2	492	4	1
L10S 1+00W	19	87	.2	1128	2	3
L10S 0+75W	19	91	.1	967	3	1
L10S 0+50W	20	85	.1	913	2	1
L10S 0+25W	28	102	.1	1145	2	3
STD C/AU-S	60	132	6.9	1040	42	47

DAIWAN ENGINEERING LTD.   FILE # 89-0946   Page 8

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
L10S 0+00E	27	103	.3	1937	4	5
L10S 0+25E	21	59	.2	569	2	1
L10S 0+50E	42	72	.1	809	2	7
L10S 0+75E	19	58	.3	6264	2	1
L10S 1+00E	27	64	.2	684	2	2
L10S 1+25E	25	75	.1	877	2	5
L10S 1+50E	23	67	.1	549	2	2
L10S 1+75E	25	69	.2	459	2	1
L10S 2+00E	12	37	.2	239	4	3
L10S 2+25E	30	82	.1	810	2	1
L10S 2+50E	56	77	.1	894	5	470
L10S 2+75E	35	77	.2	669	5	3
L10S 3+00E	32	73	.2	1565	2	2
L10S 3+25E	26	60	.1	466	3	2
L10S 3+50E	32	74	.3	1228	2	4
L10S 3+75E	17	44	.4	719	2	3
L10S 4+00E	21	76	.1	1497	3	8
L10S 4+25E	18	72	.1	776	2	118
L10S 4+50E	30	79	.1	871	2	4
L10S 4+75E	14	70	.1	1399	5	56
L10S 5+00E	37	78	.2	687	4	3
L10S 5+25E	33	78	.1	1160	2	2
L10S 5+50E	57	75	.1	1122	2	3
L10S 5+75E	62	76	.1	994	2	6
L10S 6+00E	70	79	.1	1761	3	7
L10S 6+25E	24	75	.1	624	5	3
L10S 6+50E	64	75	.1	791	2	8
L10S 6+75E	26	61	.1	633	8	5
L10S 7+00E	23	70	.2	621	3	1
L10S 7+25E	43	79	.1	702	3	2
L10S 7+50E	27	85	.3	687	6	3
L10S 7+75E	40	78	.1	733	2	4
L10S 8+00E	44	65	.2	807	2	2
L10S 8+25E	50	70	.1	876	2	2
L10S 8+50E	175	76	.1	667	2	3
L10S 8+75E	132	76	.1	837	5	6
STD C/AU-S	63	132	7.6	1037	43	48

DAIWAN ENGINEERING LTD. FILE # 89-0946 Page 9

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
L10S 9+00E	52	80	.2	787	2	5
L12S 0+25E	31	95	.1	1141	3	3
L12S 0+50E	32	89	.1	1424	2	8
L12S 0+75E	44	100	.1	1081	2	1
L12S 1+00E	41	106	.1	1460	6	1
L12S 1+25E	28	102	.2	1519	5	1
L12S 1+50E	47	100	.1	1349	4	13
L12S 1+75E	32	100	.2	1336	3	2
L12S 2+00E	97	94	.1	709	2	2
L12S 2+25E	42	104	.3	1576	2	1
L12S 2+50E	21	78	.2	1010	2	1
L12S 2+75E	75	99	.1	1340	2	3
L12S 3+00E	43	97	.2	790	2	4
L12S 3+25E	46	94	.3	873	2	1
L12S 3+50E	44	99	.2	609	2	93
L12S 3+75E	38	87	.2	1274	3	10
L12S 4+00E	19	74	.1	1034	3	12
L12S 4+25E	27	110	.3	3681	6	10
L12S 4+50E	32	89	.2	753	2	5
L12S 4+75E	43	98	.3	752	7	2
L12S 5+00E	31	97	.2	1304	3	1
L12S 5+25E	16	78	.1	918	2	2
L12S 5+50E	48	87	.1	809	2	2
L12S 5+75E	56	86	.1	3703	5	36
L12S 6+00E	46	94	.1	1311	2	1
L12S 6+25E	38	87	.1	623	7	1
L12S 6+50E	33	89	.1	557	2	2
L12S 6+75E	50	90	.1	1362	4	4
L12S 7+00E	19	89	.3	2507	2	1
L12S 7+25E	36	82	.3	4320	3	5
L12S 7+50E	37	79	.1	1614	2	6
L12S 7+75E	99	77	.2	1079	2	62
L12S 8+00E	49	72	.1	1135	7	1
L12S 8+50E	39	86	.1	1090	6	1
L12S 8+75E	36	92	.2	1437	4	1
L12S 9+00E	25	87	.3	1008	2	1
STD C/AU-S	60	132	7.0	1013	38	48

DAIWAN ENGINEERING LTD. FILE # 89-0946 Page 10

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
L14S 5+25E	65	78	.3	826	6	11
L14S 5+50E	39	89	.2	1650	2	5
L14S 5+75E	23	88	.1	2679	3	3
L14S 6+00E	40	102	.2	976	3	3
L14S 6+25E	49	102	.1	4055	4	4
L14S 6+50E	62	94	.3	1384	3	1
L14S 6+75E	44	104	.1	780	6	3
L14S 7+00E	40	88	.2	1142	2	1
L14S 7+25E	39	83	.1	1016	3	6
L14S 7+50E	27	94	.1	5994	2	1
L14S 7+75E	36	111	.2	1406	4	2
L14S 8+00E	27	87	.3	1378	3	2
L14S 8+25E	76	90	.1	1580	2	1
L14S 8+50E	35	93	.1	1984	2	4
L14S 8+75E	29	93	.2	1008	2	3
L14S 9+00E	27	99	.2	1212	4	1

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

DATE RECEIVED: MAY 1 1989

DATE REPORT MAILED: May 9/89

GEOCHEMICAL ANALYSIS CERTIFICATE

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

SIGNED BY........ D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

DAIWAN ENGINEERING LTD. FILE # 89-0948

SAMPLE#	Cu PPM	Ag PPM	Au* PPB
C 109015	125	.2	5
C 109016	66	.1	5
C 109017	26	.1	1
C 109018	336	.1	1
C 109019	105	.1	5
C 109020	92	.1	4
C 109021	49	.2	3
C 109022	75	.1	3
C 109023	195	.2	25
C 109024	29	.2	4
C 109025	78	.1	2
C 109083	61	.2	3
STD C/AU-R	62	7.7	520

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

DATE RECEIVED: MAY 1 1989
DATE REPORT MAILED: May.9/89.

GEOCHEMICAL ANALYSIS CERTIFICATE

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

SIGNED BY..C. Leong.. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

DAIWAN ENGINEERING LTD. FILE # 89-0949

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
C 109014	54	83	.2	955	2	10
C 109069	12	91	.1	1076	2	1
C 109070	52	93	.1	2391	2	1
C 109071	21	108	.1	1804	2	5
C 109072	41	116	.1	1581	2	2
C 109073	7	59	.1	790	4	1
C 109074	85	90	.1	1347	2	1
C 109075	6868	46	2.7	656	40	43
C 109076	75	99	.3	1472	2	3
C 109077	117	63	.1	561	2	8
C 109078	112	78	.1	1021	2	2
C 109079	7651	42	.3	752	2	7
C 109080	945	116	.1	1468	2	4
C 109081	40	97	.1	1478	2	1
C 109082	56	105	.1	1402	2	2

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716
DATE RECEIVED: APR 28 1989
DATE REPORT MAILED: May. 8/89..

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1 ROCK P2 PAN-CONS. AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

DAIWAN ENGINEERING LTD. FILE # 89-0908 Page 1

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
C 109006	58426	191	16.4	91	70	37
C 109007	27195	112	5.1	168	163	20
C 109008	6414	88	.3	976	4	3
C 109009	2265	58	.8	388	2	11
C 109010	1311	830	.3	1032	2	3
C 109011	16957	167	11.8	456	57	1
C 109012	8239	1517	.4	1141	2	1
C 109013	130	38	.2	341	7	5
C 109051	8498	109	.3	7430	8	2
C 109052	2536	30	.4	2792	2	5
C 109053	209	60	.1	2046	2	1
C 109054	10601	64	1.7	2888	4	11
C 109055	4837	38	.4	2003	2	1
C 109056	424	46	.3	2090	2	1
C 109057	646	64	.2	1688	2	1
C 109058	11824	74	2.8	1382	2	11
C 109059	180	68	.1	1363	2	3
C 109060	251	87	.1	1163	2	1
C 109061	7899	72	1.9	1695	11	6
C 109062	147	95	.4	1357	2	2
C 109063	117	68	.1	1144	2	1
C 109064	269	203	.3	3005	27	8
C 109065	1831	146	.9	3722	24	15
C 109066	9161	107	7.2	4896	18	9
C 109067	3240	168	.2	4176	13	1
C 109068	5786	104	.4	4403	4	7
STD C/AU-R	62	135	7.1	1020	39	525

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
PH-89-1S	90	86	.2	923	2	7

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: MAY 1 1989
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: May.9/89.

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Soil -80 Mesh AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY.......... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

DAIWAN ENGINEERING LTD. FILE # 89-0947 Page 1

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
L16+50N 3+00W	34	78	.1	983	10	6
L16+50N 2+75W	33	70	.1	372	9	1
L16+50N 2+50W	11	28	.4	197	7	1
L16+50N 2+25W	26	66	.1	836	7	2
L16+50N 2+00W	27	61	.3	667	6	3
L16+50N 1+75W	22	43	.3	835	8	24
L16+50N 1+50W	18	54	.1	503	7	2
L16+50N 1+25W	31	60	.1	534	4	1
L16+50N 1+00W	22	63	.1	726	2	1
L16+50N 0+75W	11	28	.3	213	4	1
L16+50N 0+50W	65	65	.1	779	2	4
L16+50N 0+25W	58	63	.3	707	3	1
L16+50N 0+25E	33	55	.1	402	62	111
L16+50N 0+50E	34	55	.3	392	63	43
L15+50N 3+00W	37	69	.1	288	13	18
L15+50N 2+75W	27	62	.2	331	7	4
L15+50N 2+50W	37	79	.1	1905	9	5
L15+50N 2+25W	15	49	.3	252	4	2
L15+50N 2+00W	23	53	.1	533	2	1
L15+50N 1+75W	31	55	.1	573	2	1
L15+50N 1+50W	30	55	.1	611	5	4
L15+50N 1+25W	45	65	.1	410	4	3
L15+50N 1+00W	37	74	.1	666	10	3
L15+50N 0+75W	41	97	.1	836	21	2
L15+50N 0+50W	35	84	.1	1007	10	1
L15+50N 0+25W	12	81	.1	166	30	1
L15+50N 0+25E	24	95	.1	1072	28	1
L15+50N 0+50E	33	89	.1	1414	25	2
L14+50N 3+00W	13	55	.1	197	15	1
L14+50N 2+75W	25	112	.1	3608	12	107
L14+50N 2+50W	26	63	.1	846	11	5
L14+50N 2+25W	33	98	.1	1417	8	3
L14+50N 2+00W	26	61	.2	287	12	3
L14+50N 1+75W	31	57	.1	470	5	1
L14+50N 1+50W	18	42	.3	1686	3	1
L14+50N 1+25W	39	96	.1	668	13	1
STD C/AU-S	62	132	7.0	965	42	53

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
L14+50N 1+00W	36	96	.3	610	10	50
L14+50N 0+75W	34	92	.2	674	15	1
L14+50N 0+50W	28	91	.2	792	16	1
L14+50N 0+25W	16	55	.2	539	12	1
L13+50N 3+00W	17	58	.1	215	11	1
L13+50N 2+75W	20	69	.1	348	18	1
L13+50N 2+50W	38	77	.3	382	13	2
L13+50N 2+25W	25	80	.2	428	9	2
L13+50N 2+00W	53	121	.1	794	14	1
L13+50N 1+75W	34	86	.1	790	13	2
L13+50N 1+50W	29	153	.1	1018	18	1
L13+50N 1+25W	43	112	.2	1198	34	1
L13+50N 1+00W	26	75	.4	504	6	2
L13+50N 0+75W	154	79	.4	1018	6	1
L13+50N 0+50W	35	95	.1	583	5	2
L13+50N 0+25W	110	75	.1	1130	4	6
L12+50N 3+00W	28	116	.3	315	15	1
L12+50N 2+75W	16	57	.1	216	4	3
L12+50N 2+50W	50	105	.1	357	20	2
L12+50N 2+25W	31	65	.2	391	8	5
L12+50N 2+00W	29	69	.1	599	6	2
L12+50N 1+75W	14	50	.1	204	2	2
L12+50N 1+50W	20	52	.1	302	7	3
L12+50N 1+25W	25	58	.1	619	7	5
L12+50N 1+00W	33	90	.1	547	13	1
L12+50N 0+75W	29	66	.3	163	22	2
L12+50N 0+50W	43	99	.1	328	29	2
L12+50N 0+25W	61	135	.6	877	35	3
L4N 3+50E	50	85	.1	689	11	1
L4N 3+75E	37	55	.1	1787	10	2
L4N 4+00E	46	61	.1	1680	4	6
L4N 4+25E	19	60	.1	438	8	1
L4N 4+50E	19	40	.1	266	7	1
L4N 4+75E	26	58	.1	538	9	1
L4N 5+00E	63	59	.1	1070	27	8
L4N 5+25E	72	67	.4	714	10	2
STD C/AU-S	63	132	7.1	1029	40	51

DAIWAN ENGINEERING LTD. FILE # 89-0947 Page 3

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
L4N 5+50E	88	55	.1	788	9	5
L4N 5+75E	79	70	.1	522	13	1
L4N 6+00E	230	89	.1	493	10	5
L2N 4+00W	66	84	.1	444	8	1
L2N 3+75W	73	102	.2	697	9	3
L2N 3+50W	37	95	.1	469	8	2
L2N 3+25W	79	98	.1	751	17	1
L2N 3+00W	169	58	.5	515	4	2
L2N 3+00E	17	70	.1	901	3	1
L2N 3+25E	13	41	.1	426	2	1
L2N 3+50E	14	43	.1	519	6	1
L2N 3+75E	17	53	.1	379	11	1
L2N 4+00E	21	51	.1	614	5	1
L2N 4+25E	8	33	.1	330	4	1
L2N 4+50E	27	62	.1	478	7	2
L2N 4+75E	25	51	.1	949	6	1
L2N 5+00E	21	49	.1	1087	8	1
L0+00 6+00W	59	109	.1	931	5	3
L0+00 5+75W	64	102	.1	992	9	3
L0+00 5+50W	60	105	.2	1307	15	3
L0+00 5+00W	133	91	.1	1050	17	2
L0+00 4+75W	68	106	.1	1226	11	1
L0+00 4+50W	54	97	.1	1003	8	1
L0+00 4+25W	62	93	.1	896	13	4
L0+00 0+25E	29	88	.2	843	9	1
L0+00 0+50E	34	84	.3	1007	9	2
L0+00 0+75E	84	126	.3	1055	21	2
L0+00 1+00E	61	106	.2	1265	20	1
L0+00 1+25E	69	114	.2	1480	27	2
L0+00 1+50E	34	87	.2	909	6	14
L0+00 1+75E	28	69	.3	658	8	3
L0+00 2+00E	38	74	.1	762	7	1
L0+00 2+25E	26	64	.2	685	7	2
L0+00 2+50E	55	91	.4	1533	6	1
L0+00 2+75E	25	60	.3	2415	9	1
STD C/AU-S	63	132	7.2	950	42	52

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
L0+00 3+00E	32	67	.3	447	7	3
L0+00 3+25E	16	57	.5	534	8	3
L0+00 3+50E	32	64	.2	398	8	1
L0+00 3+75E	49	74	.3	506	5	5
L0+00 4+00E	32	55	.1	721	9	3
L0+00 4+25E	43	87	.2	1045	14	3
L0+00 4+50E	48	70	.2	485	6	2
L0+00 4+75E	45	69	.1	459	7	2
L0+00 5+00E	33	67	.1	589	7	2
L0+00 5+25E	31	62	.2	489	14	52
L0+00 5+50E	41	67	.1	643	5	2
L2S 0+25E	41	98	.7	1079	20	52
L2S 0+50E	20	47	.2	705	9	3
L2S 0+75E	47	70	.3	1229	8	1
L2S 1+00E	37	104	.3	438	9	2
L2S 1+25E	15	50	.2	423	11	2
L2S 1+50E	40	70	.4	996	17	3
L2S 1+75E	43	74	.1	607	12	2
L2S 2+00E	55	77	.1	933	7	1
L2S 2+25E	49	76	.2	1592	10	5
L2S 2+50E	20	75	.2	699	6	2
L2S 2+75E	25	75	.1	732	8	1
L2S 3+00E	27	73	.1	669	4	5
L2S 3+25E	40	78	.1	1032	7	1
L2S 3+50E	65	82	.1	667	2	2
L2S 3+75E	17	57	.1	288	4	2
L2S 4+00E	27	75	.1	650	2	1
L2S 4+25E	47	91	.1	1754	2	5
L2S 4+50E	24	81	.1	1255	4	1
L2S 4+75E	17	62	.1	931	6	1
L2S 5+00E	36	81	.1	1005	9	2
L2S 5+25E	15	71	.1	1881	4	1
L2S 5+50E	49	79	.1	1312	8	2
L2S 5+75E	88	70	.1	1080	3	1
L2S 6+00E	69	66	.1	560	5	12
L2S 6+25E	54	83	.1	1370	7	4
STD C/AU-S	60	132	7.1	954	42	52

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SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
L2S 6+50E	13	48	.1	714	6	5
L2S 6+75E	120	66	.2	590	6	8
L2S 7+00E	64	59	.1	577	16	2
L2S 7+25E	26	81	.1	1761	4	2
L2S 7+50E	44	72	.1	836	2	1
L2S 7+75E	39	53	.2	740	2	1
L2S 8+00E	36	76	.1	1084	7	1
L2S 8+25E	29	65	.1	1050	6	1
L2S 8+50E	40	73	.1	913	4	1
L2S 8+75E	53	70	.3	649	6	1
L2S 9+00E	44	97	.2	1482	7	1
L4S 6+00W	58	92	.1	1780	16	1
L4S 5+75W	45	96	.2	608	9	1
L4S 5+50W	69	89	.1	606	19	1
L4S 5+25W	62	73	.1	1546	12	1
L4S 5+00W	42	83	.1	1124	9	2
L4S 4+75W	21	77	.1	2257	10	1
L4S 4+50W	27	73	.1	845	5	1
L4S 4+25W	53	93	.1	754	7	1
L4S 4+00W	42	103	.1	669	15	1
L4S 3+75W	31	69	.1	472	2	1
L4S 3+50W	43	84	.1	642	14	2
L4S 3+25W	37	73	.1	714	11	3
L4S 3+00W	13	62	.2	1139	5	1
L4S 2+75W	53	82	.1	1569	10	1
L4S 2+50W	53	86	.1	1833	12	1
L4S 2+25W	30	108	.1	1643	8	7
L4S 2+00W	24	74	.1	2187	7	2
L4S 0+00E	36	96	.3	1138	10	1
L4S 0+25E	32	98	.1	1770	10	3
L4S 0+50E	45	89	.2	1032	2	2
L4S 0+75E	55	90	.1	1285	2	3
L4S 1+00E	44	94	.1	1901	4	2
L4S 1+25E	40	88	.1	1361	2	1
L4S 1+50E	25	87	.1	1323	2	1
L4S 1+75E	43	95	.2	857	2	5
STD C/AU-S	62	132	7.4	1023	41	50

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SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	AU* PPB
L4S 2+00E	33	79	.2	2038	6	1
L4S 2+25E	38	82	.3	1700	7	1
L4S 2+50E	55	73	.3	1044	10	4
L4S 2+75E	59	73	.1	950	8	5
L4S 3+00E	29	69	.3	840	10	7
L4S 6+00E	47	46	.2	564	7	1
L4S 6+25E	44	58	.1	668	5	1
L4S 6+50E	125	60	.1	4155	8	1
L4S 6+75E	51	49	.1	1119	11	1
L4S 7+00E	128	51	.1	520	8	1
L4S 7+25E	34	46	.3	780	6	1
L4S 7+50E	72	58	.2	722	9	2
L4S 7+75E	46	52	.4	280	7	1
L4S 8+00E	62	59	.4	639	9	7
L4S 8+25E	29	51	.1	338	5	24
L4S 8+50E	61	70	.2	629	8	2
L4S 8+75E	50	81	.2	525	10	1
L4S 9+00E	49	78	.3	751	10	1
L6S 1+00W	42	87	.1	563	7	1
L6S 0+75W	59	87	.1	692	7	4
L6S 0+50W	45	76	.1	936	8	1
L6S 0+25W	31	74	.2	471	10	3
L6S 0+00E	45	77	.1	810	8	8
L6S 0+25E	26	77	.2	856	5	1
L6S 0+50E	47	83	.2	1120	4	1
L6S 0+75E	17	83	.2	560	9	1
L6S 1+00E	25	80	.1	1305	5	2
L6S 5+00E	16	50	.1	324	6	4
L6S 5+25E	24	82	.2	744	7	1
L6S 5+50E	26	95	.2	839	6	1
L6S 5+75E	35	83	.3	998	7	1
L6S 6+00E	29	58	.2	770	7	2
L6S 6+25E	30	52	.1	2685	6	1
L6S 6+50E	63	43	.2	827	6	1
L6S 6+75E	19	27	.1	470	3	1
L6S 7+00E	101	44	.1	328	7	1
STD C/AU-S	62	132	7.1	947	39	48

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
L6S 7+25E	6	25	.1	123	2	2
L6S 7+50E	126	68	.1	624	2	1
L6S 7+75E	67	64	.2	531	4	1
L6S 8+00E	124	72	.1	431	6	3
L6S 8+25E	32	47	.2	304	6	3
L6S 8+50E	210	109	.3	693	4	3
L6S 8+75E	42	77	.2	512	4	4
L6S 9+00E	85	43	.2	432	4	4
L14S 0+25E	49	87	.1	717	2	12
L14S 0+50E	41	82	.2	1083	4	8
L14S 0+75E	115	81	.6	1642	6	1
L14S 1+00E	26	77	.4	638	4	1
L14S 1+25E	26	81	.2	1135	2	4
L14S 1+50E	34	117	.2	870	4	2
L14S 1+75E	92	98	.3	801	3	7
L14S 2+00E	78	103	.3	1519	3	11
L14S 2+25E	32	114	.5	814	3	10
L14S 2+50E	44	104	.3	2397	4	7
L14S 2+75E	25	120	.2	1217	6	10
L14S 3+00E	14	85	.1	532	2	9
L14S 3+25E	36	140	.1	747	2	5
L14S 3+50E	15	86	.3	589	3	1
L14S 3+75E	29	113	.1	632	2	12
L14S 4+00E	45	110	.1	760	4	4
L14S 4+25E	59	111	.1	719	3	1
L14S 4+50E	40	82	.1	947	4	13
L14S 4+75E	39	81	.2	1066	6	6
L14S 5+00E	55	75	.1	576	4	3
STD C/AU-S	58	131	7.0	927	38	49

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

DATE RECEIVED: MAY 1 1989
DATE REPORT MAILED: May.11/89.

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1 TAILING P2 SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY. C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

DAIWAN ENGINEERING LTD. FILE # 89-0950 Page 1

SAMPLE#	Cu PPM	Ag PPM	Au* PPB
109026	906	.1	12
109027	879	.1	9
109028	658	.1	9
109029	1849	.5	16
109030	1594	.1	20
STD C	57	7.2	-

SAMPLE#	Cu PPM	Ag PPM	Au* PPB
PH-89-25	86	.1	1

File Blue Crane Assays (89)

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

DATE RECEIVED: APR 17 1989
DATE REPORT MAILED: April 20/89

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: ROCK / TAILING
AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY.......... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

DAIWAN ENGINEERING LTD. FILE # 89-0801

51,50

SAMPLE#	CU %	AU* ppb
C 109001	-	61
C 109002	-	4
C 109003	-	52
C 109004	.19	27
C 109005	.24	30

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: APR 28 1989
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: May. 4/89.

GEOCHEMICAL ANALYSIS CERTIFICATE

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

SIGNED BY...C.L... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

DAIWAN ENGINEERING LTD. FILE # 89-0910 Page 1

SAMPLE#	Cu PPM (Cu>60)	Zn PPM (Zn>100)	Ag PPM (Ag≥.5)	Mn PPM (Mn>1000)	As PPM (As>10)	AU* PPB (Au≥10)
L25+50N 5+00W	20	52	.1	305	2	3
L25+50N 4+75W	23	71	.1	314	2	5
L25+50N 4+50W	20	60	.1	288	5	6
L25+50N 4+25W	17	42	.1	255	2	4
L25+50N 4+00W	11	71	.2	328	2	5
L25+50N 3+75W	27	67	.1	478	4	4
L25+50N 3+50W	29	69	.1	419	2	2
L25+50N 3+25W	12	46	.1	347	2	2
L25+50N 3+00W	13	62	1.0	510	4	2
L25+50N 2+75W	20	73	.5	621	4	14
L25+50N 2+50W	25	54	.1	572	4	6
L25+50N 2+25W	23	58	.1	447	9	2
L25+50N 2+00W	26	57	.1	850	5	2
L24+50N 5+00W	28	72	.1	336	7	5
L24+50N 4+75W	27	65	.1	323	2	4
L24+50N 4+50W	15	59	.2	236	4	5
L24+50N 4+25W	13	52	.1	218	2	2
L24+50N 4+00W	29	66	.1	277	5	4
L24+50N 3+75W	14	38	.1	157	4	1
L24+50N 3+50W	18	62	.1	261	2	2
L24+50N 3+25W	12	46	.2	259	2	2
L24+50N 3+00W	17	56	.1	325	4	3
L24+50N 2+75W	35	74	.1	874	3	7
L24+50N 2+50W	26	76	.4	717	5	10
L24+50N 2+25W	19	61	.1	653	5	5
L24+50N 2+00W	30	67	.1	539	5	12
L22+50N 5+00W	64	91	.1	617	3	4
L22+50N 4+75W	36	66	.1	459	3	2
L22+50N 4+50W	65	86	.1	575	3	4
L22+50N 4+25W	53	89	.1	1066	2	5
L22+50N 4+00W	91	82	.2	928	6	5
L22+50N 3+75W	24	85	.1	729	3	5
L22+50N 3+50W	37	69	.1	296	2	4
L22+50N 3+25W	33	77	.1	475	6	8
L22+50N 3+00W	14	43	.2	170	2	3
L22+50N 2+75W	17	52	.2	181	4	12

DAIWAN ENGINEERING LTD. FILE # 89-0910 Page 2

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
L22+50N 2+50W	29	75	.2	256	2	2
L22+50N 2+25W	28	63	.1	308	4	17
L22+50N 2+00W	13	46	.1	197	2	1
L21+50N 5+00W	31	91	.2	645	2	1
L21+50N 4+75W	36	67	.1	487	3	1
L21+50N 4+50W	84	78	.1	940	2	5
L21+50N 4+25W	39	84	.1	779	2	1
L21+50N 4+00W	25	74	.2	349	3	3
L21+50N 3+75W	23	68	.1	321	2	1
L21+50N 3+50W	16	52	.3	217	2	79
L21+50N 3+25W	26	88	.5	482	5	13
L21+50N 3+00W	22	73	.6	472	10	14
L21+50N 2+75W	29	91	.1	374	3	1
L21+50N 2+50W	21	103	.1	309	5	2
L21+50N 2+50W A	23	69	.4	489	5	1
L21+50N 2+25W	23	70	.1	315	7	3
L21+50N 2+00W	33	92	.2	1086	2	4
L20+50N 5+00W	35	104	.1	1683	3	9
L20+50N 4+75W	25	97	.3	373	4	1
L20+50N 4+50W	32	87	.1	1471	2	1
L20+50N 4+25W	46	73	.1	376	5	1
L20+50N 4+00W	44	85	.1	465	3	14
L20+50N 3+75W	12	34	.1	145	4	2
L20+50N 3+50W	25	66	.7	253	5	13
L20+50N 3+25W	39	80	.2	436	3	7
L20+50N 3+00W	21	58	.2	272	3	3
L20+50N 2+75W	129	442	.1	952	8	6
L20+50N 2+25W	35	93	.1	704	2	2
L20+50N 2+00W	25	86	.1	489	5	3
L2+50S 2+50W	77	145	.1	1216	2	3
L2+50S 2+25W	74	106	.1	1136	3	6
L2+50S 2+00W	80	109	.1	1341	2	3
L2+50S 1+75W	87	97	.1	1476	6	3
L2+50S 1+50W	428	235	.1	1039	7	1
L2+50S 1+25W	220	249	.2	2647	4	1
L2+50S 1+00W	194	484	.1	1706	3	2
STD C/AU-S	60	132	7.1	1018	37	50

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SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
L2+50S 0+75W	551	317	.2	4854	7	2
L2+50S 0+50W	84	80	.4	315	8	1
L2+50S 0+25W	67	65	.2	437	10	1
L3+50S 2+50W	411	220	.5	5676	10	3
L3+50S 2+25W	111	46	.1	1056	6	2
L3+50S 2+00W	345	131	.3	713	2	1
L3+50S 1+75W	133	85	.1	750	7	3
L3+50S 1+50W	76	61	.2	347	7	2
L3+50S 1+25W	486	64	.5	350	7	4
L3+50S 1+00W	25	29	.1	249	5	3
L3+50S 0+75W	70	67	.1	431	4	4
L3+50S 0+50W	150	107	.2	812	8	2
L3+50S 0+25W	149	98	.1	633	7	2
L4+50S 2+50W	188	77	.2	416	6	2
L4+50S 2+25W	188	82	.1	534	8	1
L4+50S 2+00W	382	87	.1	616	7	3
L4+50S 1+75W	267	108	.1	1171	6	2
L4+50S 1+50W	163	84	.2	1881	9	2
L4+50S 1+25W	713	188	.3	3262	8	1
L4+50S 1+00W	133	95	.1	2126	7	1
L4+50S 0+75W	195	105	.1	972	6	3
L4+50S 0+50W	259	105	.2	1463	9	3
L4+50S 0+25W	32	40	.1	1347	7	3
L16S 2+75W	44	81	.1	1007	2	3
L16S 2+50W	44	76	.2	656	8	1
L16S 2+25W	34	86	.1	783	4	2
L16S 2+00W	56	88	.1	1156	8	12
L16S 1+75W	23	92	.3	621	2	6
L16S 1+50W	26	116	.1	2189	3	4
L16S 1+25W	12	78	.1	1461	7	2
L16S 1+00W	33	91	.1	783	2	15
L16S 0+75W	46	85	.2	1485	2	9
L16S 0+50W	55	89	.1	1070	6	55
L16S 0+25W	69	83	.1	645	5	53
L16S 0+00W	47	70	.1	1043	5	4
STD C/AU-S	60	128	7.0	1017	40	50

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SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
L18S 3+00W	55	69	.1	914	4	1
L18S 2+75W	61	72	.1	901	5	1
L18S 2+50W	44	72	.1	959	5	37
L18S 2+25W	42	73	.1	932	6	1
L18S 2+00W	59	76	.1	847	4	1
L18S 1+75W	69	83	.2	1095	4	2
L18S 1+50W	34	87	.1	439	3	1
L18S 1+25W	48	99	.1	855	2	1
L18S 1+00W	52	88	.1	868	2	1
L18S 0+75W	51	78	.1	872	3	3
L18S 0+50W	41	87	.1	646	2	11
L18S 0+25W	62	86	.1	625	4	4
L18S 0+00W	67	100	.3	660	2	3
L20S 0+00E	54	63	.1	553	3	3
L20S 0+25E	66	78	.1	987	2	3
L20S 0+50E	57	70	.1	953	4	4
L20S 0+75E	64	74	.1	949	9	3
L20S 1+00E	59	77	.1	982	6	8
L20S 1+25E	41	68	.1	793	5	2
L20S 1+50E	52	73	.1	760	4	4
L20S 1+75E	53	66	.1	694	5	19
L20S 2+00E	40	80	.2	613	3	3
L20S 2+25E	57	80	.2	693	2	4
L20S 2+50E	43	97	.3	970	3	27
L20S 2+75E	37	83	.2	737	2	2
L20S 3+00E	45	81	.2	1169	6	16
L20S 3+25E	43	94	.3	823	3	2
L20S 3+50E	33	68	.2	663	5	3
L20S 3+75E	27	83	.1	697	5	24
L20S 4+00E	46	74	.3	548	4	6
STD C/AU-S	62	132	7.2	1018	40	48

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716 DATE RECEIVED: APR 28 1989
DATE REPORT MAILED: May 4/89

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Soil -80 Mesh AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

DAIWAN ENGINEERING LTD. PROJECT BLUE GROUSE FILE # 89-0909 Page 1

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
L6N 6+00W	72	125	.1	1182	114	44
L6N 5+75W	32	73	.4	510	20	2
L6N 5+50W	52	103	.1	763	43	7
L6N 5+25W	45	122	.1	771	79	6
L6N 5+00W	79	85	.1	679	412	6
L6N 4+75W	111	105	.1	570	109	15
L6N 4+50W	110	113	.4	1095	30	9
L6N 4+25W	65	121	.1	946	37	6
L6N 4+00W	70	94	.1	675	35	3
L6N 3+75W	111	127	.4	737	27	14
L6N 3+50W	66	123	.1	1120	38	2
L6N 3+25W	67	122	.1	819	34	3
L6N 3+00W	80	153	.1	1877	160	2
L6N 2+75W	89	178	.5	1708	346	3
L6N 2+50W	146	138	.1	1110	491	12
L6N 2+25W	78	117	.1	1103	50	1
L6N 2+00W	38	113	.3	3564	12	1
L6N 1+75W	102	146	.3	928	13	1
L6N 1+50W	71	129	.1	700	9	1
L6N 1+25W	62	108	.1	604	8	1
L6N 1+00W	59	122	.5	1148	11	2
L6N 0+75W	33	94	.2	502	13	1
L6N 0+50W	54	108	.1	678	7	1
L6N 0+25W	42	139	.1	728	2	1
L6N 0+00W	21	79	.1	745	10	1
L6N 0+25E	79	119	.6	715	25	2
L6N 0+50E	39	111	.2	656	8	2
L6N 0+75E	107	113	.1	2830	29	10
L6N 1+00E	79	129	.1	2665	20	7
L6N 1+25E	71	118	.5	2113	21	9
L6N 1+50E	83	118	.2	2056	23	7
L6N 5+00E SILT	119	116	.1	1284	45	7
L4N 6+00W	22	66	.3	626	12	1
L4N 5+75W	52	112	.4	672	13	2
L4N 5+50W	55	115	.1	1093	8	4
L4N 5+25W	48	297	.1	2050	8	4
STD C/AU-S	63	132	7.2	1012	40	50

DAIWAN ENGINEERING LTD. PROJECT BLUE GROUSE FILE # 89-0909 Page 4

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	AU* PPB
L12S 1+75W	28	79	.1	776	3	15
L12S 1+50W	24	106	.1	664	2	4
L12S 1+25W	31	100	.1	555	5	6
L12S 1+00W	35	119	.1	2511	6	8
L12S 0+75W	40	111	.1	773	3	1
L12S 0+50W	16	83	.1	1106	8	5
L12S 0+25W	41	90	.1	839	2	11
L14S 6+00W	32	71	.1	661	4	5
L14S 5+75W	53	83	.1	737	3	4
L14S 5+50W	53	87	.1	732	5	3
L14S 5+25W	55	91	.1	704	8	4
L14S 5+00W	50	85	.1	669	2	7
L14S 4+75W	32	92	.1	573	4	2
L14S 4+50W	32	92	.1	619	3	12
L14S 4+25W	46	88	.1	905	5	7
L14S 4+00W	49	91	.1	1278	9	10
L14S 3+75W	49	103	.1	945	5	6
L14S 3+50W	27	77	.1	686	4	3
L14S 3+25W	45	82	.1	817	2	11
L14S 3+00W	35	71	.1	583	9	4
L14S 2+75W	30	79	.2	948	2	35
L14S 2+50W	39	98	.1	1432	2	10
L14S 2+25W	51	96	.1	774	3	20
L14S 2+00W	53	100	.1	1009	2	6
L14S 1+75W	35	93	.1	751	3	6
L14S 1+50W	31	80	.1	868	2	10
L14S 1+25W	12	34	.1	265	2	50
L14S 1+00W	10	22	.1	140	2	8
L14S 0+75W	33	134	.2	914	6	32
L14S 0+50W	46	99	.1	1394	2	3
L14S 0+25W	49	93	.2	1076	2	9
L14S 0+00W	28	95	.2	776	3	57
L16S 6+00W	82	93	.1	809	5	20
L16S 5+75W	37	85	.2	2615	2	7
L16S 5+50W	23	66	.2	850	5	3
L16S 5+25W	21	59	.1	535	7	4
STD C/AU-S	63	132	6.5	1022	42	51

DAIWAN ENGINEERING LTD. PROJECT BLUE GROUSE FILE # 89-0909 Page 5

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
L16S 5+00W	16	45	.4	315	2	6
L16S 4+75W	45	77	.3	668	4	5
L16S 4+25W	48	83	.1	647	2	1
L16S 4+00W	37	96	.3	1020	2	1
L16S 3+75W	35	99	.3	1117	8	2
L16S 3+50W	47	78	.1	588	2	2
L16S 3+25W	51	88	.1	973	4	4
L16S 3+00W	46	80	.2	580	3	5
L16S 0+25E	51	109	.7	814	6	3
L16S 0+50E	72	89	.1	979	2	4
L16S 0+75E	42	98	.2	2692	2	3
L16S 1+00E	37	94	.5	1189	3	3
L16S 1+25E	46	100	.6	1273	4	1
L16S 1+50E	52	105	.3	2077	2	3
L16S 1+75E	37	74	.1	777	2	1
L16S 2+00E	46	85	.4	2619	3	1
L16S 2+25E	47	92	.4	1098	8	1
L16S 2+50E	45	101	.1	1052	2	1
L16S 2+75E	39	97	.1	1547	7	4
L16S 3+00E	52	87	.4	831	2	4
L16S 3+25E	39	72	.4	707	3	1
L16S 3+50E	77	86	.1	892	5	2
L16S 3+75E	70	93	.1	855	2	3
L16S 4+00E	32	86	.5	843	8	2
L16S 4+25E	110	90	.1	930	2	7
L16S 4+50E	77	95	.1	1273	5	18
L16S 4+75E	44	99	.6	1009	6	5
L16S 5+00E	40	81	.2	1304	2	1
L16S 5+25E	38	86	.1	773	2	1
L16S 5+50E	32	70	.1	720	2	3
L16S 5+75E	54	82	.4	714	7	3
L16S 6+00E	33	93	.4	1052	8	2
L16S 6+25E	44	86	.1	1209	5	2
L16S 6+50E	40	101	.1	854	4	1
L16S 6+75E	40	86	.5	873	4	1
L16S 7+00E	47	88	.5	981	8	1
STD C/AU-S	62	132	6.8	1020	40	50

DAIWAN ENGINEERING LTD. PROJECT BLUE GROUSE FILE # 89-0909 Page 6

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
L16S 7+25E	43	107	.1	1882	5	9
L16S 7+50E	28	90	.5	1819	9	2
L16S 7+75E	46	119	.5	805	10	3
L16S 8+00E	26	87	.1	1428	5	1
L16S 8+25E	40	98	.1	1228	8	4
L16S 8+50E	26	80	.3	477	7	2
L16S 8+75E	41	92	.6	1545	11	9
L16S 9+00E	30	98	.2	678	9	8
L18S 0+25E	38	93	.2	449	8	1
L18S 0+50E	57	123	.1	776	5	1
L18S 0+75E	41	72	.6	476	13	1
L18S 1+00E	34	70	.3	935	11	2
L18S 1+25E	31	67	.2	1133	8	2
L18S 1+50E	60	82	.5	769	7	4
L18S 1+75E	28	95	.1	917	9	1
L18S 2+00E	28	90	.1	1347	7	1
L18S 2+25E	40	90	.4	816	8	2
L18S 2+50E	40	91	.3	707	9	14
L18S 2+75E	63	82	.1	748	2	2
L18S 3+00E	40	72	.5	636	4	1
L18S 3+25E	57	81	.2	797	5	4
L18S 3+50E	50	92	.1	997	8	2
L18S 3+75E	46	94	.7	1067	4	3
L18S 4+00E	66	91	.1	614	8	2
L18S 4+25E	57	86	.1	738	3	7
L18S 4+50E	31	82	.3	586	8	4
L18S 4+75E	159	92	.9	835	7	11
L18S 5+00E	172	88	.2	962	8	3
L18S 5+25E	60	83	.2	522	6	2
L18S 5+50E	56	80	.3	1141	6	1
L18S 5+75E	52	81	.6	1011	10	6
L18S 6+00E	37	79	.4	1443	13	2
L18S 6+25E	55	81	.1	934	7	4
L18S 6+50E	44	96	.2	814	3	2
L18S 6+75E	48	84	.8	693	12	2
L18S 7+00E	38	81	.4	529	8	1
STD C/AU-S	61	132	6.7	943	40	51

DAIWAN ENGINEERING LTD. PROJECT BLUE GROUSE FILE # 89-0909 Page 7

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
L18S 7+25E	34	88	.3	581	4	1
L18S 7+50E	28	48	.3	253	5	2
L18S 7+75E	39	64	.3	651	6	2
L18S 8+00E	29	72	.4	902	4	3
L18S 8+25E	77	73	.4	916	2	2
L18S 8+50E	55	82	.3	1067	3	26
L18S 8+75E	45	73	.3	942	5	6
L18S 9+00E	43	78	.4	643	2	9
STD C/AU-S	63	132	6.6	1010	41	53

DAIWAN ENGINEERING LTD. PROJECT BLUE GROUSE FILE # 89-0909 Page 2

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
L4N 5+00W	60	103	.1	641	5	2
L4N 4+80W SILT	64	116	.1	1126	20	6
L4N 4+75W	51	106	.1	2782	19	10
L4N 4+50W	68	117	.1	772	6	4
L4N 4+25W	128	117	.2	818	7	2
L4N 4+00W	63	128	.1	765	9	2
L4N 3+75W	50	99	.1	1114	4	1
L4N 3+50W	53	98	.1	837	4	2
L4N 3+25W	124	74	.1	452	14	13
L4N 3+00W	51	70	.1	384	68	2
L4N 2+75W	114	67	.1	380	107	5
L4N 2+50W	71	79	.1	322	62	3
L4N 2+25W	65	110	.1	494	25	1
L4N 2+00W	78	95	.1	596	61	14
L4N 1+75W	78	99	.1	467	29	6
L4N 1+50W	52	102	.1	520	13	4
L4N 1+25W	43	81	.1	240	22	19
L4N 1+00W	87	104	.1	1384	43	14
L4N 0+75W	164	132	.4	481	80	15
L4N 0+50W	175	279	.7	540	83	2
L4N 0+25W	50	78	.1	552	31	3
L4N 0+00W	31	36	.1	77	3	1
L4N 0+25E	44	74	.1	544	4	1
L4N 0+50E	62	97	.1	1796	19	1
L4N 0+75E	66	104	.2	1401	25	2
L4N 1+00E	76	90	.2	1422	21	3
L4N 1+25E	44	88	.3	1676	17	1
L4N 1+50E	59	109	.2	866	24	1
L4N 1+75E	54	80	.3	748	12	1
L4N 2+00E	54	81	.3	854	10	1
L4N 2+25E	34	87	.3	406	15	1
L4N 2+50E	42	106	.5	579	20	1
L8S 6+00W	42	81	.1	737	5	2
L8S 5+75W	39	84	.1	928	5	1
L8S 5+50W	45	102	.3	548	2	2
L8S 5+25W	39	88	.1	887	6	1
STD C/AU-S	61	130	7.1	1003	40	49

DAIWAN ENGINEERING LTD. PROJECT BLUE GROUSE FILE # 89-0909 Page 3

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	AU* PPB
L8S 5+00W	67	103	.1	572	7	4
L8S 4+75W	34	87	.1	694	7	1
L8S 4+50W	40	92	.1	510	5	2
L8S 4+25W	54	78	.4	830	7	1
L8S 4+00W	54	81	.1	1064	7	430
L8S 3+75W	49	80	.1	1168	6	27
L8S 3+50W	63	71	.3	598	8	12
L8S 3+25W	49	85	.5	1304	8	5
L8S 3+00W	37	88	.1	711	4	2
L8S 2+75W	66	83	.1	759	2	7
L8S 2+50W	58	84	.2	632	2	6
L8S 2+00W	47	91	.4	942	6	4
L8S 1+75W	52	84	.1	744	4	3
L8S 1+50W	37	94	.1	2162	8	6
L8S 1+25W	44	124	.2	624	2	4
L8S 1+00W	40	96	.1	857	3	1
L8S 0+75W	65	131	.1	663	2	4
L8S 0+50W	100	103	.1	2066	6	13
L8S 0+25W	35	100	.2	1038	5	5
L12S 6+00W	34	98	.1	824	4	1
L12S 6+00 B	47	104	.1	632	2	20
L12S 5+75W	26	90	.5	955	8	5
L12S 5+50W	53	93	.4	997	9	7
L12S 5+25W	31	95	.1	765	2	5
L12S 4+75W	52	101	.3	647	2	1
L12S 4+50W	44	90	.2	1320	5	1
L12S 4+25W	51	98	.1	1035	8	3
L12S 4+00W	28	69	.1	739	5	1
L12S 3+75W	29	92	.2	1486	5	3
L12S 3+50W	30	93	.5	1396	5	3
L12S 3+25W	69	100	.1	1150	5	7
L12S 3+00W	41	97	.1	1449	8	4
L12S 2+75W	42	94	.1	1389	2	5
L12S 2+50W	40	110	.4	962	6	12
L12S 2+25W	36	107	.1	674	3	2
L12S 2+00W	33	80	.1	1116	5	18
STD C/AU-S	62	132	6.6	1012	42	48

APPENDIX II

Follow-Up Program

Daiwan Engineering Ltd.
#1030 - 609 Granville Street, Vancouver, B.C. V7Y 1G5
Phone: (604) 688-1508

October 4, 1989

Mr. Ronald H. D. Philp
1030 - 609 Granville Street
Vancouver, B.C.
V7Y 1G5

Dear Sir:

As per your request Daiwan Engineering Ltd. carried out a follow-up program consisting of fill-in soil sampling, concentrated stream sediment sampling and prospecting on the Blue Grouse property from June 8 to 14, 1989, for Nic-Nik Resources Ltd.

Previous soil sampling (April 1989) indicated two anomalous gold values of 430 ppb and 470 ppb located at L8S, 4+00W and L10S, 2+50E respectively on the southwest grid. These sites were resampled and fill-in lines were flagged 50m on either side of each line extending 100m east and west from the anomalous location. Samples were taken at 25m intervals (Figure 2).

The highest gold value returned was 26 ppb at L7+50S, 3+50W. Neither of the previous soil anomalies returned anomalous values upon resampling.

Seven stream sediment samples (pan concentrated) were taken from creeks draining the southwest grid area (Figure 1). The highest gold value returned was 13 ppb.

Two anomalous soil samples located at L23N, 4+00W and 3+50W (67 ppb Au and 124 ppb Au respectively) were indicated by the 1987 program carried out by Shangri-La Minerals. These sites were resampled returning values of 12 and 14 ppb Au.

The gossan located at L6N, 5+00W was resampled and the area immediately north and west prospected (Figure 3). The gossan sample returned 48 ppb Au and the maximum value returned from other rock samples in the area was 26 ppb Au.

One claim, Bear 1, was established (Figure 1).

Due to the poor results obtained no further work is recommended.

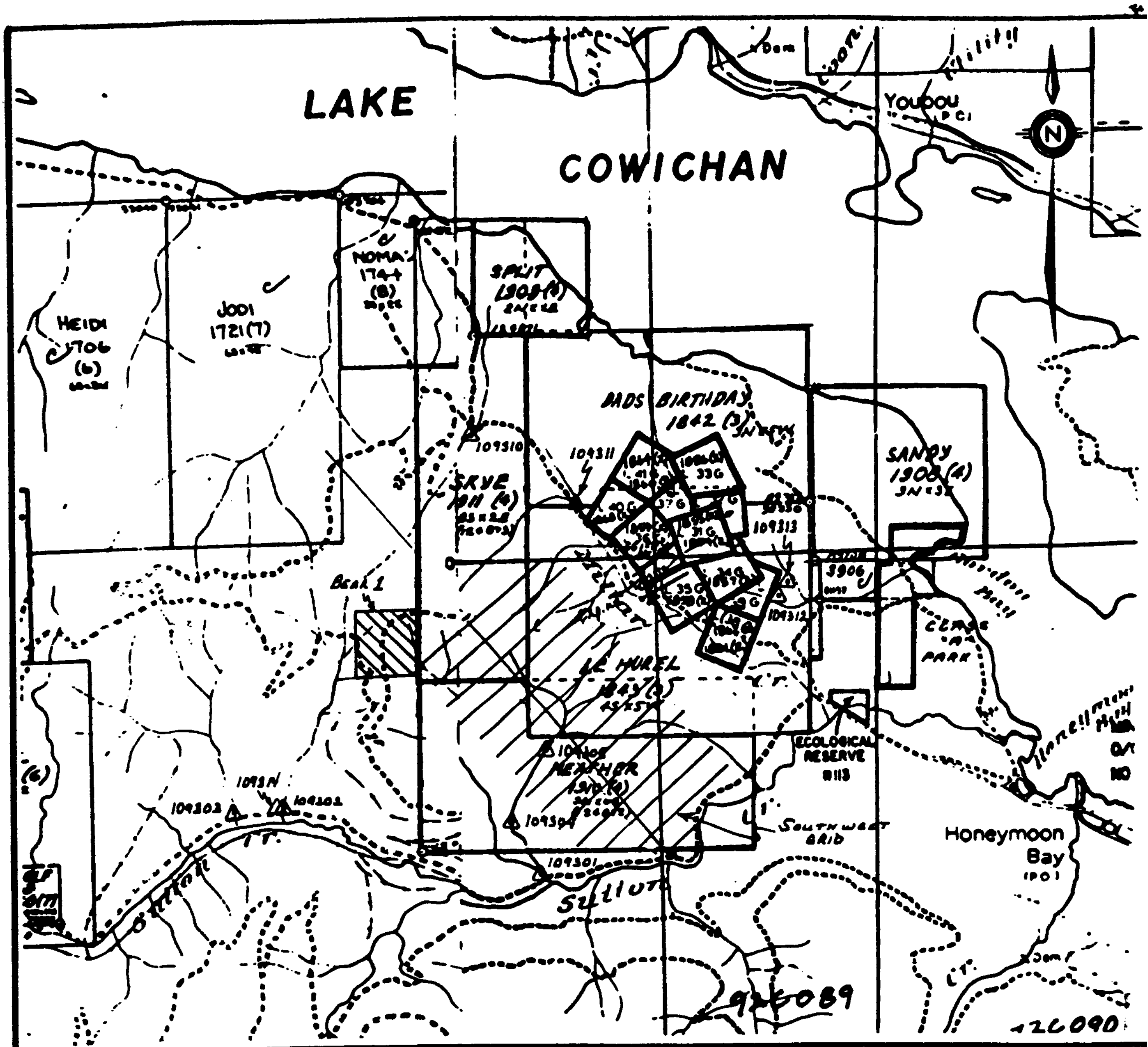
Yours truly,

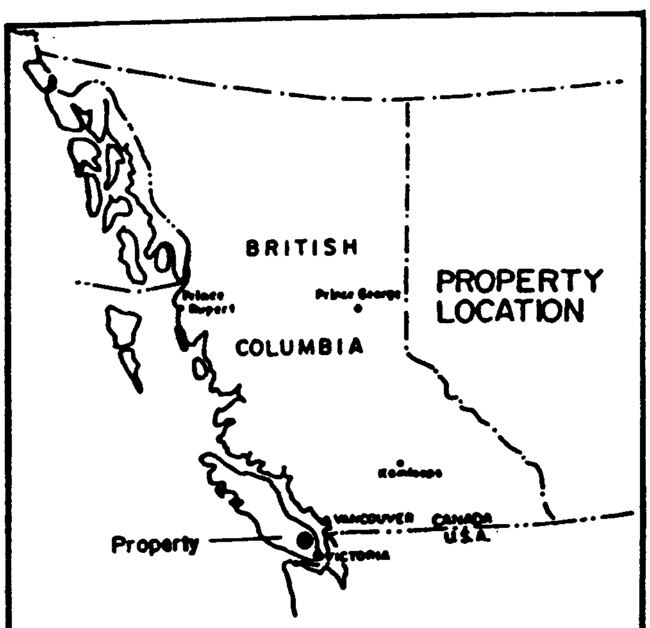
DAIWAN ENGINEERING LTD.

E. Harrington, B.Sc.

/sam

Sample#	Location	Type	Description
109301	4089E/5407250N	Pan Concentrate	
109302	406600E/5407860N	Pan Concentrate	
109303	406250E/5407800N	Pan Concentrate	
109304	408200E/5407650N	Pan Concentrate	
109305	Southwest Grid	Pan Concentrate L8+25S/3+00W	
109306	Southwest Grid	Float L8+00S/4+00W	Assorted rock chips (tuff) from soil anomaly location.
109307	Southwest Grid L8+00S/3+75W	Float	Assorted rock chips (tuff) from soil anomaly location.
109308	Southwest Grid L8+50S/3+50W	Float	Intermediate calcareous tuff w Fe stain and limonite, vuggy.
109309	Southwest Grid L7+50S/5+00W	Float	mg intermediate tuff w epidote, vuggy.
109310	4084E/5411100N	Pan Concentrate	
109311	409250E/5410500N	Pan Concentrate	
109312	411100E/5409750N	Chip 0.5m	Chloritic volcanic (andesite?) w fine tracery of zeolite veins ≤ 3mm.
109313	411250E/5409800N	Chip 0.5m	Chloritic volcanic w weak zeolite veining.
109314	406600E/5407800N	Float	Volcanic conglomerate fractured and healed w calcite.
109315	407950E/5409350N	Chip 0.5m	f-mg tuff w dis. py ≤ 1%.
109316	407900E/5409350N	Chip 0.5m	Moderately altered volcanic (tuff?) w zeolite veinlets.
109317	407800E/5409400N	Chip 0.5m	Shear in mg unaltered tuff weakly calcareous.
109318	407810E/5409405N	Chip 0.5m	Strongly altered volcanic w strong zeolite veining.
109319	407850E/5409250N	Chip 0.5m	Gossan.
109320	407800E/5409250N	Chip 0.5m	Gossan.
109321	407600E/5408250N	Chip 0.5m	fg intermediate tuff w dis. py ≤ 1%, calcareous.
109322	407550E.5408200N	Chip 0.5m	fg intermediate tuff w dis. py ≤ 1% hematized blebs ≤ 1mm.
109323	407600E/5409600N	Chip 0.5m	mg tuff w zeolite veining.
109324	Southwest Grid L10S, 2+50E	Float	fg green lithic tuff from soil anomaly location.





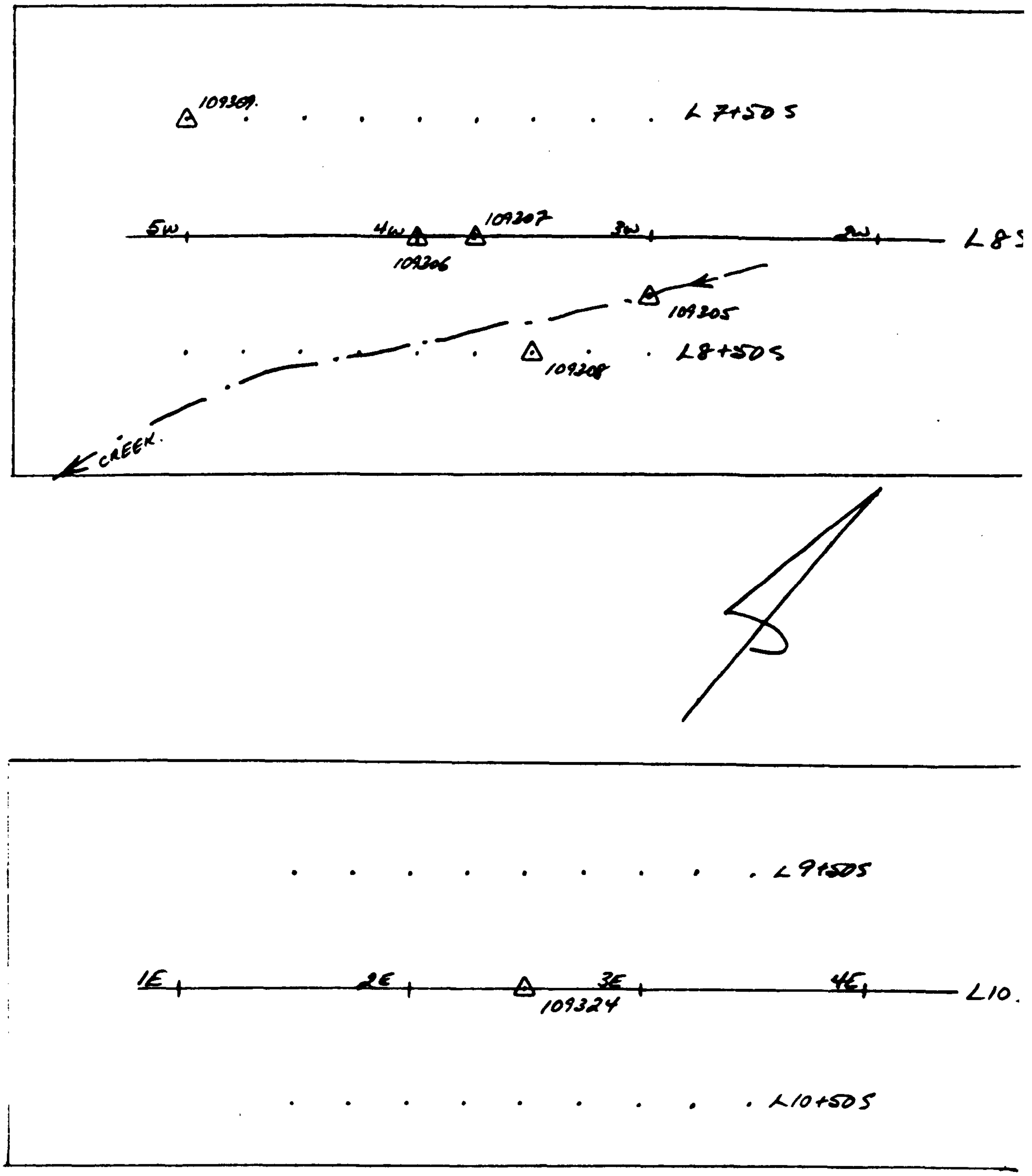
SCALE 1:50,000

0 1 2 3 KM.

(1) BLUEGROUSE WORKING

(2) SUNNYSIDE WORKING

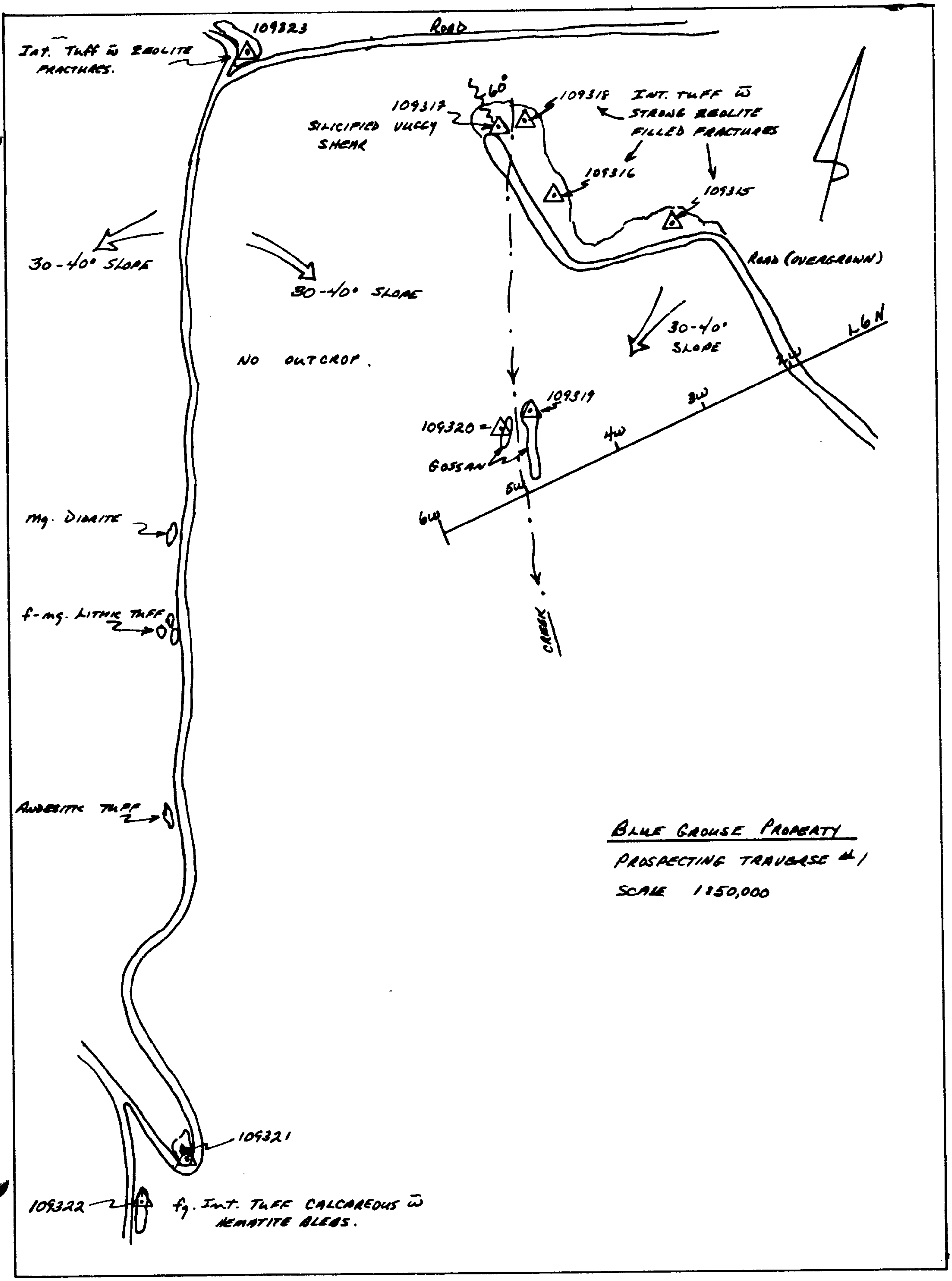
BLUE GROUSE PROJECT		
NIC NIK RESOURCES LTD.		
LOCATION MAP		
VICTORIA M.D., B.C.		
SCALE 1:50,000	DATE MAY, 1989	FIG. 1
DAIWAN ENGINEERING LTD.		



FOLLOW UP SOIL SAMPLING
SOUTHWEST GRID
BLUE GROUSE PROPERTY

SCALE 1:2500

FIG. 2.



BLUE GROUSE PROPERTY

PROSPECTING TRAVERSE #1

SCALE 1:50,000

CERTIFICATE OF QUALIFICATIONS

I Edward D. Harrington of the City of Vancouver, British Columbia, do hereby certify that:

1. I am a geologist employed by Daiwan Engineering Ltd. with offices at 1030 - 609 Granville Street, Vancouver, British Columbia, V7Y 1G5.

2. I am a graduate of Acadia University, Wolfville, Nova Scotia, with a B.Sc. degree in Geology (1971).

3. I have practised my profession as a Geologist for over 13 years.

4. This report is based on my personal knowledge of the Blue Grouse property, a review of geological and geochemical data from previous work and field work under my personal supervision.

5. I have no interest in the property or shares of Nic-Nik Resources Ltd. or in any of the companies with contiguous property to their Blue Grouse Claim blocks, nor do I expect to receive any.

6. This report may be used by Nic-Nik Resources Ltd. for a Statement of Material Facts.

Edward D. Harrington
May 8, 1989

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716
DATE RECEIVED: JUN 16 1989
DATE REPORT MAILED: June 23/89.

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1 SOIL P2 ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY..C. Leong.. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

DAIWAN ENGINEERING LTD. PROJECT BLUE GROUSE FILE # 89-1550 Page 1

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
L23N 4+00W	53	78	.2	662	7	12
L23N 3+50W	94	79	.2	882	5	14
L9+50S 1+50E	12	76	.1	401	4	7
L9+50S 1+75E	38	108	.1	2707	4	10
L9+50S 2+00E	42	91	.2	1202	2	6
L9+50S 2+25E	20	92	.4	659	4	2
L9+50S 2+50E	13	54	.2	432	4	4
L9+50S 2+75E	51	90	.6	852	5	9
L9+50S 3+00E	12	59	.4	358	2	3
L9+50S 3+25E	15	74	.2	996	4	3
L9+50S 3+50E	32	93	.3	752	8	2
L10+00S 2+50E	61	96	.1	1005	8	4
L10+50S 1+50E	40	111	.2	1592	6	4
L10+50S 1+75E	40	122	.1	5342	5	3
L10+50S 2+00E	20	63	.1	7532	6	1
L10+50S 2+25E	25	86	.1	1267	5	2
L10+50S 2+50E	20	84	.4	575	7	3
L10+50S 2+75E	21	96	.3	1335	4	6
L10+50S 3+00E	24	88	.2	778	6	5
L10+50S 3+25E	27	97	.2	1307	4	5
L10+50S 3+50E	40	96	.2	865	5	2
STD C/AU-S	62	132	7.2	1025	40	53

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Mn PPM	As PPM	Au* PPB
L7+50S 5+00W	24	76	.2	1245	3	6
L7+50S 4+75W	22	79	.4	851	2	5
L7+50S 4+50W	23	78	.2	358	4	6
L7+50S 4+25W	27	90	.2	1204	4	4
L7+50S 4+00W	30	90	.1	1283	3	12
L7+50S 3+75W	24	80	.2	2152	2	5
L7+50S 3+50W	28	86	.1	1166	2	1
L7+50S 3+25W	30	79	.1	783	2	1
L7+50S 3+00W	33	77	.2	862	6	5
L8+00S 4+00W	45	84	.2	1255	4	1
L8+00S 3+75W	41	80	.1	1258	3	7
L8+50S 5+00W	33	75	.2	703	4	1
L8+50S 4+75W	32	65	.2	844	2	1
L8+50S 4+50W	44	74	.1	926	3	1
L8+50S 4+25W	44	79	.2	868	4	4
L8+50S 4+00W	36	87	.1	1170	2	4
L8+50S 3+75W	30	85	.1	920	3	1
L8+50S 3+50W	39	94	.1	1296	3	26
L8+50S 3+25W	29	79	.2	1017	2	2
L8+50S 3+00W	50	88	.1	816	5	1
STD C/AU-S	60	132	7.1	1009	40	52

DAIWAN ENGINEERING LTD. PROJECT BLUE GROUSE FILE # 89-1507 Page 2

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
109301	71	12	102	.1	9	8
109302	61	3	110	.1	12	7
109303	60	9	131	.1	16	5
109304	41	5	97	.1	11	3
109305	42	9	99	.1	7	4
109310	88	5	84	.1	8	5
109311	62	9	82	.1	12	4
STD C/AU-R	62	37	133	6.7	44	510

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DATE RECEIVED: JUN 14 1989
DATE REPORT MAILED: June 22/89

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1 ROCK P2 PAN CON P3 SOIL AU** ANALYSIS BY FA+AA FROM 10 GM SAMPLE.

SIGNED BY. C. Leong ... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

DAIWAN ENGINEERING LTD. PROJECT BLUE GROUSE FILE # 89-1507 Page 1

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Mn PPM	Au** PPB
C109306	40	5	95	.2	955	5
C109307	33	8	88	.1	1135	5
C109308	17	8	103	.2	1286	2
C109309	15	2	53	.1	530	15
C109312	157	5	48	.3	639	6
C109313	94	4	43	.2	474	4
C109314	38	8	69	.2	850	13
C109315	51	6	105	.1	1918	26
C109316	39	9	116	.3	2073	4
C109317	95	7	62	.1	1512	26
C109318	50	10	65	.3	795	4
C109319	106	9	66	.3	735	48
C109320	77	6	47	.3	412	7
C109321	34	9	69	.2	1263	4
C109322	21	6	65	.1	1111	3
C109323	86	4	73	.2	1022	8
STD C/AU-R	62	40	132	7.1	1004	510

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Mn PPM	AU** PPB
C 109324	38	2	70	.1	901	2

BLUE GROUSE PROJECT

MAGNETOMETER DATA

IGS EDITED DATA FILE SUMMARY   EDITED DATA FILE --> magfri50.CLN

GRID: 1. LINE: 1800.S

STATION	TOT-FLD	TIME
300.W	54865.2	09:52:17
275.W	55012.9	09:55:00
250.W	54572.1	09:56:10
225.W	54824.4	09:57:21
200.W	54524.6	09:59:00
175.W	54637.3	10:00:33
150.W	55055.9	10:05:55
125.W	54989.1	10:07:03
100.W	54998.8	10:07:57
75.W	55087.8	10:08:49
50.W	55121.0	10:09:51
25.W	55331.8	10:11:00
0.	55061.6	10:12:48
25.E	54983.8	10:13:42
50.E	54980.6	10:14:37
75.E	54954.3	10:15:41
100.E	55000.6	10:16:52
125.E	55252.1	10:17:50
150.E	54874.6	10:18:51
175.E	54753.6	10:20:18
200.E	55183.4	10:21:45
225.E	55540.0	10:23:38
250.E	55165.7	10:24:51
275.E	54986.9	10:26:41
300.E	55026.9	10:27:56
325.E	55197.0	10:29:15
350.E	55182.8	10:30:18
375.E	55321.0	10:31:39
400.E	55600.3	10:32:48
425.E	55736.3	10:33:59
450.E	56009.9	10:35:09
475.E	55558.3	10:43:52
500.E	55405.0	10:44:53
525.E	55537.5	10:45:55
550.E	55135.1	10:47:01
575.E	54794.4	10:48:24
600.E	54921.0	10:49:34
625.E	54454.9	10:51:24
650.E	55023.1	10:53:48

EDITED DATA FILE --> magfri50.CLN

GRID: 1. LINE: 1800.S

STATION	TOT-FLD	TIME
675.E	55163.4	10:55:03
700.E	55138.1	10:56:10
725.E	54997.7	10:57:11
750.E	55041.1	10:58:15
775.E	55419.8	10:59:16
800.E	55199.7	11:00:13
825.E	55445.2	11:01:12
850.E	55224.7	11:02:08
875.E	55229.2	11:03:05
900.E	55258.9	11:04:11

 EDITED DATA FILE --> magfri50.CLN

GRID: 1. LINE: 1600.S

STATION	TOT-FLD	TIME
600.W	54982.5	12:39:11
575.W	55071.4	12:37:32
550.W	54944.0	12:36:23
525.W	54981.4	12:35:23
500.W	55288.1	12:34:32
475.W	55441.8	12:33:19
450.W	55519.0	12:31:45
425.W	55330.9	12:30:34
400.W	55254.4	12:29:18
375.W	55409.6	12:28:10
350.W	54876.9	12:26:46
325.W	55219.3	12:25:42
300.W	55133.7	12:24:32
275.W	55194.2	12:22:47
250.W	55228.6	12:21:40
225.W	55149.8	12:20:34
200.W	54971.6	12:19:22
175.W	54973.4	12:18:12
150.W	55290.9	12:17:02
125.W	55279.4	12:16:04
100.W	54713.0	12:14:59
75.W	54990.5	12:13:48
50.W	55146.9	12:12:47
25.W	55154.4	12:11:42
0.	55034.0	12:10:40
25.E	55070.5	12:09:35
50.E	55268.6	12:08:05
75.E	55303.4	12:07:15
100.E	55199.2	12:05:59
125.E	55268.0	12:04:54
150.E	55019.6	12:04:10
175.E	54688.7	12:03:00
200.E	55152.3	12:01:55
225.E	54849.9	12:00:01
250.E	54961.0	11:57:51
275.E	54990.2	11:56:04
300.E	55016.5	11:54:27
325.E	55200.9	11:53:13
350.E	54993.7	11:51:58
375.E	55208.0	11:50:46
400.E	55099.3	11:49:22
425.E	55132.8	11:47:06
450.E	55644.0	11:45:18
475.E	55428.5	11:44:12
500.E	55826.3	11:42:30
525.E	55393.8	11:40:49
550.E	55141.7	11:39:33
575.E	55419.7	11:37:45
600.E	55245.1	11:35:55
625.E	55511.9	11:34:54
650.E	54843.8	11:33:33
675.E	55147.5	11:31:49
700.E	55298.3	11:30:35
725.E	55279.2	11:28:16
750.E	55298.7	11:25:54

 EDITED DATA FILE --> magfri50.CLN

GRID: 1. LINE: 1600.S

STATION	TOT-FLD	TIME
775.E	55256.5	11:24:46
800.E	55206.3	11:23:30
825.E	55364.6	11:22:02
850.E	55319.3	11:20:45
875.E	55065.2	11:19:22
900.E	55104.5	11:17:08
900.E	55173.7	11:18:05

 EDITED DATA FILE --> magfri50.CLN

GRID: 1. LINE: 1400.S

STATION	TOT-FLD	TIME
700.W	55566.1	13:13:43
675.W	55185.8	13:14:42
650.W	55004.2	13:15:56
625.W	55071.9	13:17:14
600.W	55040.5	13:17:55
575.W	55113.6	13:19:29
550.W	55198.6	13:21:07
525.W	55259.2	13:22:49
500.W	55442.2	13:24:31
475.W	55683.1	13:25:36
450.W	55482.7	13:26:56
425.W	55373.2	13:28:31
400.W	54964.1	13:30:34
375.W	55204.5	13:32:07
350.W	55382.9	13:33:33
325.W	55440.6	13:35:24
300.W	55594.2	13:37:59
275.W	55906.6	13:39:53
250.W	55390.3	13:41:50
225.W	55639.9	13:43:36
200.W	55496.4	13:46:05
175.W	55602.2	13:48:06
150.W	55961.2	13:50:26
125.W	56028.4	13:52:08
100.W	55158.2	13:53:45
75.W	55026.9	13:55:02
50.W	55018.1	13:56:43
25.W	55037.0	13:58:09
0.	55075.2	14:00:04
25.E	55224.3	14:02:06
50.E	55004.6	14:03:32
75.E	54927.0	14:05:10
100.E	55075.1	14:07:15
125.E	55115.5	14:08:39
150.E	55234.7	14:09:57
175.E	54992.5	14:11:35
200.E	54945.8	14:13:19
225.E	55154.8	14:14:36
250.E	54954.6	14:16:00
275.E	55107.1	14:17:33
300.E	55170.5	14:19:19
325.E	55347.2	14:20:56
350.E	55071.8	14:22:25
375.E	55169.0	14:24:39
400.E	54946.1	14:28:20
425.E	55642.3	14:30:14
450.E	55323.0	14:33:20
475.E	54729.1	14:35:12
500.E	54813.7	14:38:43
525.E	55311.2	14:39:34
550.E	55290.7	14:41:14
575.E	54971.0	14:42:50
600.E	55043.0	14:44:00
625.E	55341.4	14:45:14
650.E	55315.1	14:46:46

 EDITED DATA FILE --> magfri50.CLN

GRID: 1. LINE: 1400.S

STATION	TOT-FLD	TIME
675.E	55402.6	14:48:20
700.E	55414.3	14:49:14
725.E	55398.5	14:50:16
750.E	55616.9	14:51:27
775.E	55190.4	14:52:30
800.E	55044.4	14:53:31
825.E	55567.8	14:54:32
850.E	55277.9	14:55:36
875.E	54859.5	14:56:38
900.E	55019.4	14:58:01

GRID: 1. LINE: 1200.S

STATION	TOT-FLD	TIME
0.	55316.4	16:10:35
25.E	55687.0	16:08:03
50.E	55457.2	16:05:58
75.E	56077.2	16:03:41
100.E	55829.1	16:01:45
125.E	55679.4	16:00:25
150.E	55889.5	15:59:16
175.E	55904.4	15:58:20
200.E	56031.2	15:57:02
225.E	55676.9	15:55:45
250.E	55888.9	15:54:09
275.E	55725.8	15:51:58
300.E	54979.0	15:50:31
325.E	54777.1	15:48:48
350.E	55356.9	15:47:03
375.E	55539.3	15:44:46
400.E	55287.3	15:42:40
425.E	55700.0	15:41:05
450.E	54591.2	15:39:43
475.E	55258.4	15:38:31
500.E	55494.8	15:37:23
525.E	55876.3	15:36:30
550.E	55965.1	15:35:41
575.E	55848.7	15:34:40
600.E	55528.3	15:32:59
625.E	55808.3	15:30:46
650.E	55355.4	15:29:17
675.E	54797.4	15:26:54
700.E	54966.5	15:25:42
725.E	55178.6	15:24:09
750.E	55187.9	15:22:08
775.E	54720.4	15:20:35
800.E	54698.1	15:17:58
825.E	54941.3	15:14:37
850.E	55149.3	15:13:06
875.E	55449.0	15:11:43

IGS EDITED DATA FILE SUMMARY EDITED DATA FILE --> magsat50.CLN

GRID: 1. LINE: 1200.S

STATION	TOT-FLD	TIME
600.W	55595.3	11:48:41
575.W	55685.3	11:47:22
550.W	55722.1	11:45:24
525.W	55389.8	11:43:52
500.W	55323.1	11:42:31
475.W	55307.4	11:41:13
450.W	55039.7	11:39:23
425.W	55115.3	11:37:51
400.W	54996.6	11:35:50
375.W	55663.5	11:32:47
350.W	55536.3	11:30:50
325.W	55476.8	11:29:13
300.W	55649.6	11:27:12
275.W	55693.8	11:25:03
250.W	55298.6	11:22:39
225.W	55492.2	11:21:16
200.W	55201.9	11:18:31
175.W	55088.2	11:15:44
150.W	55331.7	11:13:47
125.W	55039.3	11:12:08
100.W	55761.6	11:10:04
75.W	55569.0	11:07:50
50.W	55575.2	11:05:49
25.W	55525.5	11:03:29
0.	55590.8	11:00:18

 EDITED DATA FILE --> magsat50.CLN

GRID: 1. LINE: 1000.S

STATION	TOT-FLD	TIME
600.W	55195.1	12:06:35
575.W	55047.1	12:08:06
550.W	55159.5	12:09:30
525.W	54739.0	12:11:10
500.W	55026.7	12:12:59
475.W	55119.0	12:15:27
450.W	55031.1	12:17:35
425.W	55426.1	12:19:33
400.W	55119.6	12:21:39
375.W	55157.4	12:23:59
350.W	55225.2	12:25:45
325.W	55377.3	12:30:18
300.W	55582.6	12:32:15
275.W	55545.6	12:34:12
250.W	55740.7	12:36:49
225.W	55333.2	12:39:14
200.W	55406.6	12:41:05
175.W	54996.3	12:43:54
150.W	55242.0	12:47:09
125.W	55046.2	12:49:15
100.W	55475.7	12:51:58
75.W	55655.0	12:54:04
50.W	55468.9	12:56:47
25.W	55581.2	12:59:35
0.	55969.1	13:02:26
25.E	55482.6	13:32:04
50.E	55409.1	13:34:54
75.E	55615.7	13:38:37
100.E	56155.5	13:41:25
125.E	55718.8	13:43:29
150.E	55425.6	13:45:10
175.E	55314.1	13:47:10
200.E	55685.6	13:49:08
225.E	55552.9	13:51:52
250.E	56262.5	13:53:55
275.E	56059.2	13:56:41
300.E	56336.2	13:57:57
325.E	56047.1	13:59:10
350.E	56061.8	14:00:40
375.E	55668.7	14:03:30
400.E	55813.1	14:06:20
425.E	55549.8	14:08:23
450.E	55305.8	14:11:15
475.E	55218.6	14:13:11
500.E	54985.1	14:15:18
525.E	55019.8	14:17:09
550.E	55041.0	14:19:04
575.E	55151.6	14:20:31
600.E	55431.6	14:22:03
625.E	55520.7	14:24:39
650.E	55172.9	14:26:40
675.E	55324.8	14:28:20
700.E	54899.5	14:29:38
725.E	55431.5	14:31:12
750.E	55734.0	14:32:43

GRID: 1. LINE: 1000.S

STATION	TOT-FLD	TIME
775.E	55920.3	14:33:53
800.E	55814.2	14:35:16
825.E	55732.0	14:36:33
850.E	55300.7	14:37:42
875.E	55373.0	14:38:58
900.E	55337.5	14:41:01

GRID: 1. LINE: 800.S

STATION	TOT-FLD	TIME
25.W	55032.4	16:15:16
0.	54589.9	16:13:31
25.E	55101.5	16:12:14
50.E	55004.1	16:10:56
75.E	54966.5	16:09:48
100.E	54408.2	16:08:25
125.E	55101.2	16:06:56
150.E	54901.4	16:05:04
175.E	55086.8	16:03:19
200.E	54980.6	16:00:46
225.E	54763.7	15:58:29
250.E	54808.3	15:54:47
275.E	54802.9	15:51:48
300.E	55285.4	15:49:47
325.E	55028.0	15:47:42
350.E	55076.6	15:45:09
375.E	55038.8	15:42:33
400.E	54910.1	15:38:59
425.E	55435.6	15:36:35
450.E	55540.8	15:33:22
475.E	55931.3	15:31:46
500.E	55974.2	15:30:08
525.E	56114.5	15:27:48
550.E	56702.4	15:26:26
575.E	56040.4	15:25:02
600.E	56181.5	15:23:21
625.E	56050.9	15:21:45
650.E	56080.1	15:20:01
675.E	55804.0	15:18:06
700.E	55754.2	15:16:07
725.E	55364.4	15:13:35
750.E	55617.4	15:11:26
775.E	55524.1	15:09:49
800.E	55449.6	15:08:18
825.E	55429.9	15:06:25
850.E	55312.7	15:04:36
875.E	55466.4	15:01:59
900.E	55574.7	14:57:09
900.E	55353.8	15:00:12

 EDITED DATA FILE --> magsat50.CLN

GRID: 1. LINE: 800.S

STATION	TOT-FLD		TIME
600.W	55673.3	*	17:03:11
575.W	55862.4	*	17:01:20
550.W	55455.4	*	16:59:37
525.W	55309.4	*	16:58:14
500.W	55612.0	*	16:56:22
475.W	55615.0	*	16:54:26
450.W	55241.4	*	16:52:51
425.W	55179.4	*	16:50:59
400.W	55185.9	*	16:48:47
375.W	54995.4	*	16:46:54
350.W	55411.6	*	16:45:08
325.W	55194.7	*	16:43:17
300.W	55322.5	*	16:41:15
275.W	55133.8	*	16:37:22
250.W	54839.0	*	16:35:27
225.W	55007.5	*	16:33:00
200.W	55019.8	*	16:30:20
175.W	55313.6	*	16:26:03
150.W	55588.4	*	16:23:34
125.W	55786.7	*	16:21:50
100.W	55764.9	*	16:20:02
75.W	55911.6	*	16:18:05
50.W	55626.7	*	16:16:35

H:	1.0	600.0N	61
	600.00W	54728.8	15:09:44
	575.00W	54718.7	15:08:03
	550.00W	54700.0	15:05:39
	525.00W	54751.8	15:02:57
	500.00W	54773.4	14:59:35
	475.00W	54685.4	14:57:55
	450.00W	54817.2	14:56:33
	425.00W	54894.6	14:55:02
	400.00W	54837.1	14:53:39
	375.00W	54877.2	14:52:44
	350.00W	54591.6	14:51:45
	325.00W	54772.2	14:50:35
	300.00W	54761.1	14:49:25
	275.00W	54801.9	14:48:10
	250.00W	54750.4	14:34:28
	225.00W	54742.3	14:32:39
	200.00W	54639.4	14:31:26
	175.00W	55026.3	14:30:26
	150.00W	55259.6	14:28:55
	125.00W	54829.5	14:27:54
	100.00W	54810.7	14:26:41
	75.00W	54755.1	14:25:20
	50.00W	55004.2	14:24:22
	25.00W	54831.2	14:23:32
	.00	54933.5	14:22:29
	25.00E	55056.6	14:18:37
	50.00E	55087.5	14:17:37
	75.00E	54931.1	14:16:32
	100.00E	54924.3	14:15:29
	125.00E	54955.6	14:14:22
	150.00E	55039.7	14:13:06
	175.00E	54979.8	14:12:05
	200.00E	54941.5	14:10:51
	225.00E	54902.0	14:09:11
	250.00E	54925.4	14:07:36
	275.00E	54990.1	14:04:07
	300.00E	54934.3	14:02:42
	325.00E	54954.1	14:01:01
	350.00E	54848.5	13:59:50
	375.00E	54944.5	13:58:31
	400.00E	55160.7	13:56:52
	425.00E	55268.2	13:55:20
	450.00E	55057.6	13:53:37
	475.00E	54963.9	13:52:03
	500.00E	55117.6	13:51:08
	525.00E	55344.3	13:50:06
	550.00E	55412.4	13:49:10
	575.00E	55358.1	13:48:04
	600.00E	55342.9	13:46:50
	625.00E	55390.5	13:45:36
	650.00E	54950.8	13:44:44
	675.00E	55419.6	13:42:33
	700.00E	55272.5	13:40:17
	725.00E	55290.4	13:37:43
	750.00E	54994.6	13:34:35
	775.00E	54800.5	13:30:57
	800.00E	55363.7	13:26:43
	825.00E	55981.6	13:23:13
	850.00E	55797.0	13:19:04
	875.00E	55610.5	13:14:19
	900.00E	55364.7	13:12:18

IGS EDITED DATA FILE SUMMARY

EDITED DATA FILE --> magsun50.CLN

GRID: 1. LINE: 2000.S

STATION	TOT-FLD	TIME
0.	54959.9	05:10:31
25.E	55005.8	05:11:54
50.E	54930.8	05:13:20
75.E	55111.7	05:15:06
100.E	55112.0	05:16:22
125.E	55052.8	05:17:38
150.E	55088.1	05:18:53
175.E	54973.4	05:20:00
200.E	55094.7	05:22:04
225.E	54990.0	05:23:22
250.E	55149.2	05:24:55
275.E	55140.4	05:26:12
300.E	55147.5	05:28:00
325.E	55141.4	05:29:31
350.E	54923.7	05:30:53
375.E	54954.7	05:32:07
400.E	55057.0	05:33:10

 EDITED DATA FILE --> magsun50.CLN

GRID: 1. LINE: 600.S

STATION	TOT-FLD	TIME
600.W	54939.5	02:16:35
575.W	54877.4	02:18:55
550.W	54682.0	02:20:25
525.W	55045.3	02:22:12
500.W	55240.0	02:24:43
475.W	54831.9	02:26:01
450.W	54546.3	02:27:53
425.W	54550.4	02:29:51
400.W	54754.6	02:32:06
375.W	54650.4	02:33:24
350.W	54753.7	02:35:14
325.W	54902.5	02:36:53
300.W	54807.7	02:37:57
275.W	55017.7	02:39:00
250.W	54920.6	02:40:08
225.W	55303.6	02:41:26
200.W	54924.1	02:42:54
175.W	54731.5	02:44:24
150.W	54615.1	02:45:50
125.W	54662.2	02:48:15
100.W	55191.3	02:50:14
75.W	55247.6	02:52:21
50.W	55299.3	02:55:14
25.W	55383.5	02:56:47
0.	55393.5	02:58:07
25.E	55495.8	03:00:02
50.E	55526.8	03:01:11
75.E	55033.8	03:02:16
100.E	55147.7	03:03:59
125.E	55368.1	03:06:04
150.E	54939.8	03:07:34
175.E	55284.4	03:09:10
200.E	54985.5	03:10:53
225.E	54645.4	03:12:29
250.E	54371.4	03:14:34
275.E	54301.2	03:17:36
300.E	54780.4	03:20:38
325.E	55082.1	03:23:17
350.E	55144.7	03:25:13
375.E	55230.2	03:27:21
400.E	55109.1	03:29:06
425.E	55169.2	03:33:47
450.E	54943.9	03:36:03
475.E	55343.0	03:39:12
500.E	55383.2	03:41:49
525.E	55153.5	03:46:08
550.E	55546.4	03:49:01
575.E	55512.2	03:52:25
600.E	55846.6	03:55:45
625.E	55887.1	03:58:33
650.E	56254.3	04:01:49
675.E	55573.1	04:05:34
700.E	55676.7	04:06:46
725.E	55573.7	04:07:58
750.E	55343.0	04:09:27

 EDITED DATA FILE --> magsun50.CLN

GRID: 1. LINE: 600.S

STATION	TOT-FLD	TIME
775.E	55192.2	04:10:57
800.E	55082.0	04:12:50
825.E	55066.2	04:14:10
850.E	54662.9	04:15:52
875.E	55029.5	04:17:27

IGS EDITED DATA FILE SUMMARY   EDITED DATA FILE --> magmon50.CLN

GRID: 1. LINE: 400.S

STATION	TOT-FLD	TIME
600.W	54637.2	10:11:51
575.W	54771.7	10:13:39
550.W	54972.0	10:15:50
525.W	54814.7	10:18:34
500.W	54784.8	10:23:08
475.W	54690.3	10:26:16
450.W	54747.4	10:29:01
425.W	54735.8	10:30:54
400.W	54789.4	10:32:34
375.W	54883.8	10:34:18
350.W	55095.3	10:37:32
325.W	55545.5	10:41:35
300.W	55461.7	10:49:55
275.W	55485.4	10:51:25
250.W	55210.5	10:53:03
225.W	55081.2	10:54:34
200.W	55049.5	10:56:23
175.W	54911.3	10:58:33
150.W	54870.7	11:01:01
125.W	55025.9	11:03:17
100.W	54889.0	11:05:09
75.W	54701.3	11:07:20
50.W	54799.7	11:08:58
25.W	54540.0	11:10:28
0.	54475.8	11:13:06
25.E	54956.6	11:14:57
50.E	55426.6	11:17:55
75.E	56189.0	11:20:42
100.E	55955.5	11:22:43
125.E	55383.9	11:24:09
150.E	55268.0	11:25:37
175.E	55590.6	11:27:06
200.E	55296.2	11:28:29
225.E	54894.2	11:30:48
250.E	54749.7	11:32:25
275.E	54798.9	11:34:11
300.E	54686.5	11:35:37
325.E	55015.3	11:45:28
350.E	55019.5	11:47:42

 EDITED DATA FILE --> magmon50.CLN

GRID: 1. LINE: 400.S

STATION	TOT-FLD	TIME
375.E	55251.9	11:50:11
400.E	55520.0	11:51:29
425.E	55731.2	11:53:09
450.E	55695.9	11:55:14
475.E	55213.1	11:57:37
500.E	54911.2	11:59:37
525.E	55300.4	12:02:21
550.E	55556.5	12:05:07
575.E	55607.5	12:07:08
600.E	54967.9	12:09:24
625.E	55402.6	12:11:40
650.E	55502.1	12:15:27
675.E	55460.3	12:37:00
700.E	55131.8	12:38:04
725.E	55128.6	12:39:54
750.E	55038.6	12:41:47
775.E	55166.6	12:43:57
800.E	55093.5	12:46:43
825.E	55237.2	12:48:53
850.E	54590.0	12:51:21
875.E	54890.0	12:53:52
900.E	55275.4	12:57:02

 EDITED DATA FILE --> magm

GRID: 1. LINE: 200.S

STATION	TOT-FLD	TIME
625.W	54810.1	15:43:28
600.W	54965.4	15:26:13
575.W	55206.2	15:24:30
550.W	54685.4	15:23:06
525.W	54773.6	15:21:54
500.W	54732.9	15:20:39
475.W	54925.0	15:19:09
450.W	54816.4	15:08:35
425.W	54783.5	15:07:11
400.W	54874.6	15:05:38
375.W	54857.5	15:04:19
350.W	55033.4	15:03:13
325.W	55107.0	15:01:57
300.W	55056.2	15:00:02
275.W	54961.5	14:58:07
250.W	54910.5	14:56:15
225.W	54936.6	14:54:19
200.W	54985.0	14:52:54
175.W	54961.9	14:51:16
150.W	54988.6	14:49:53
125.W	55008.0	14:48:37
100.W	55031.1	14:47:18
75.W	54988.5	14:46:18
50.W	55000.2	14:45:02
25.W	54994.2	14:43:45
0.	55033.1	14:42:05
25.E	55021.3	14:40:17
50.E	55131.0	14:38:42
75.E	55188.9	14:37:00
100.E	55312.8	14:35:23
125.E	55122.1	14:33:08
150.E	54918.3	14:30:07
175.E	55103.4	14:27:32
200.E	54762.5	14:25:01
225.E	55151.0	14:16:57
250.E	55303.5	14:15:30
275.E	55444.1	14:13:54
300.E	55248.3	14:12:16
325.E	54858.7	14:11:07
350.E	55339.9	14:09:48
375.E	55573.5	14:08:38
400.E	54696.4	14:07:13
425.E	55107.7	14:05:48
450.E	55008.3	14:04:21
475.E	54936.8	14:02:51
500.E	55482.5	14:01:04
525.E	55730.7	13:59:23
550.E	55990.5	13:57:43
575.E	55793.4	13:55:58
600.E	56330.9	13:53:55
625.E	55435.3	13:52:25
650.E	55484.1	13:51:04
675.E	55562.3	13:48:07
700.E	55655.8	13:45:06
725.E	55192.0	13:41:19

 EDITED DATA FILE --> magmon50.CLN

GRID: 1. LINE: 200.S

STATION	TOT-FLD	TIME
750.E	55849.8	13:37:52
775.E	55719.9	13:36:12
800.E	55490.2	13:32:49
825.E	55695.4	13:28:30
850.E	55584.2	13:26:40
875.E	55402.5	13:24:17
900.E	55365.6	13:21:05

GRID: 1. LINE: 0.

STATION	TOT-FLD	TIME
575.W	55235.1	15:45:38
550.W	54491.5	15:47:24
525.W	54651.6	15:48:28
500.W	54627.5	15:50:11
475.W	55071.2	15:53:39
450.W	54889.7	15:55:29
425.W	54861.6	15:58:09
400.W	54785.5	16:00:19
375.W	54962.1	16:02:47
350.W	54844.7	16:04:34
325.W	54807.1	16:06:04
300.W	54814.8	16:07:59
275.W	54817.4	16:10:04
250.W	54832.7	16:12:23
225.W	54848.9	16:14:16
200.W	54857.2	16:16:47
175.W	54901.5	16:19:06
150.W	54961.7	16:21:54
125.W	54936.5	16:24:15
100.W	54993.6	16:26:49
75.W	55016.7	16:29:39
50.W	54988.1	16:31:45
25.W	54978.9	16:33:42
0.	55049.2	16:35:49

 EDITED DATA FILE --> magmon50.CLN

GRID: 1. LINE: 200.N

STATION	TOT-FLD	TIME
575.W	54918.4	17:24:22
550.W	54800.7	17:22:10
525.W	54817.9	17:20:03
500.W	54897.7	17:17:49
475.W	54785.3	17:15:03
450.W	54860.4	17:12:42
425.W	54869.7	17:09:48
400.W	54877.4	17:08:14
375.W	55022.8	17:06:06
350.W	55081.0	17:04:30
325.W	55325.6	17:03:03
300.W	55037.5	17:01:58
275.W	54849.3	16:57:54
250.W	54917.1	16:56:40
225.W	54946.9	16:55:40
200.W	54955.1	16:54:36
175.W	55034.5	16:53:06
150.W	55008.4	16:52:03
125.W	54968.0	16:50:37
100.W	54928.2	16:49:24
75.W	54983.5	16:47:37
50.W	54952.3	16:46:03
25.W	54985.7	16:43:54
0.	54984.5	16:42:29

IGS EDITED DATA FILE SUMMARY   EDITED DATA FILE --> magtue50.CLN

GRID: 1. LINE: 400.N

STATION	TOT-FLD	TIME
600.W	54756.1	15:17:09
575.W	54695.8	15:18:42
550.W	54844.9	15:20:01
525.W	54832.2	15:21:23
500.W	54924.2	15:25:13
475.W	54887.6	15:29:38
450.W	54996.2	15:33:02
425.W	54879.5	15:35:07
400.W	54811.7	15:38:25
375.W	54790.4	15:40:57
350.W	54818.0	15:43:58
325.W	54885.0	15:46:10
300.W	54709.5	15:48:02
275.W	54873.9	15:49:23
250.W	54930.9	15:50:37
225.W	54862.5	15:51:22
200.W	54886.7	15:52:36
175.W	54792.1	15:55:48
150.W	54785.6	15:56:52
125.W	54722.7	15:58:20
100.W	54762.9	16:00:25
75.W	54967.1	16:03:25
50.W	54950.9	16:04:52
25.W	54979.3	16:06:46
0.	55016.0	16:09:13
25.E	54929.8	16:10:59
50.E	54793.8	16:12:20
75.E	54827.5	16:14:49
100.E	54889.9	11:01:02
125.E	54883.2	11:02:45
150.E	54924.5	11:04:34
175.E	54872.6	11:06:31
200.E	54939.8	11:09:34
225.E	54996.4	11:14:14
250.E	54884.8	11:16:27
275.E	54908.0	11:18:44
300.E	54941.1	11:21:10
325.E	55333.5	11:23:15
350.E	55204.8	11:25:08

 EDITED DATA FILE --> magtue50.CLN

GRID: 1. LINE: 400.N

STATION	TOT-FLD	TIME
375.E	55655.8	11:28:34
400.E	55570.0	11:30:17
425.E	55155.8	11:32:54
450.E	55550.3	11:36:00
475.E	55263.2	11:37:35
500.E	54528.0	11:39:57
525.E	54737.2	11:41:36
550.E	55200.4	11:43:07
575.E	54374.0	11:45:19
600.E	54483.4	11:48:20
625.E	54596.4	11:49:09
650.E	54780.5	11:50:40
675.E	54830.8	11:54:00
700.E	54860.3	11:56:11
725.E	54876.8	11:58:39
750.E	54875.4	12:00:19
775.E	54811.5	12:02:26
800.E	54804.0	12:04:33
825.E	54911.2	12:05:41
850.E	54618.9	12:08:24
875.E	54642.8	12:11:14
900.E	54798.2	12:14:36
925.E	54486.8	12:17:33
950.E	54493.7	12:20:35

GRID: 1. LINE: 600.N

STATION	TOT-FLD	TIME
600.W	54728.8	15:09:44
575.W	54718.7	15:08:03
550.W	54700.0	15:05:39
525.W	54751.8	15:02:57
500.W	54773.4	14:59:35
475.W	54685.4	14:57:55
450.W	54817.2	14:56:33
425.W	54894.6	14:55:02
400.W	54837.1	14:53:39
375.W	54877.2	14:52:44
350.W	54591.6	14:51:45
325.W	54772.2	14:50:35
300.W	54761.1	14:49:25
275.W	54801.9	14:48:10
250.W	54750.4	14:34:28
225.W	54742.3	14:32:39
200.W	54639.4	14:31:26
175.W	55026.3	14:30:26
150.W	55259.6	14:28:55
125.W	54829.5	14:27:54
100.W	54810.7	14:26:41
75.W	54755.1	14:25:20
50.W	55004.2	14:24:22
25.W	54831.2	14:23:32
0.	54933.5	14:22:29
25.E	55056.6	14:18:37
50.E	55087.5	14:17:37
75.E	54931.1	14:16:32
100.E	54924.3	14:15:29
125.E	54955.6	14:14:22
150.E	55039.7	14:13:06
175.E	54979.8	14:12:05
200.E	54941.5	14:10:51
225.E	54902.0	14:09:11
250.E	54925.4	14:07:36
275.E	54990.1	14:04:07
300.E	54934.3	14:02:42
325.E	54954.1	14:01:01
350.E	54848.5	13:59:50
375.E	54944.5	13:58:31
400.E	55160.7	13:56:52
425.E	55268.2	13:55:20
450.E	55057.6	13:53:37
475.E	54963.9	13:52:03
500.E	55117.6	13:51:08
525.E	55344.3	13:50:06
550.E	55412.4	13:49:10
575.E	55358.1	13:48:04
600.E	55342.9	13:46:50
625.E	55390.5	13:45:36
650.E	54950.8	13:44:44
675.E	55419.6	13:42:33
700.E	55272.5	13:40:17
725.E	55290.4	13:37:43
750.E	54994.6	13:34:35

 EDITED DATA FILE --> magtue50.CLN

GRID: 1. LINE: 600.N

STATION	TOT-FLD	TIME
775.E	54800.5	13:30:57
800.E	55363.7	13:26:43
825.E	55981.6	13:23:13
850.E	55797.0	13:19:04
875.E	55610.5	13:14:19

IGS EDITED DATA FILE SUMMARY   EDITED DATA FILE --> magwed50.CLN

GRID: 1. LINE: 0.

STATION	TOT-FLD	TIME
0.	54954.1	12:17:51
25.E	54990.0	12:16:30
50.E	54953.0	12:15:30
75.E	54994.6	12:14:14
100.E	55053.5	12:12:45
125.E	54938.4	12:11:18
150.E	54804.8	12:09:34
175.E	54761.4	12:08:05
200.E	54762.0	12:06:32
225.E	54672.0	12:05:20
250.E	55138.3	12:03:01
275.E	55603.8	12:01:02
300.E	54816.9	11:59:38
325.E	54704.7	11:58:16
350.E	55336.7	11:57:03
375.E	55134.3	11:55:27
400.E	55082.0	11:53:58
425.E	55683.4	11:51:23
450.E	56483.3	11:49:42
475.E	55727.2	11:47:39
500.E	55709.0	11:43:56
525.E	55295.8	11:40:35
550.E	54646.0	11:37:53
575.E	54735.0	11:23:12
600.E	54530.6	11:19:11
625.E	54514.2	11:16:31
650.E	55165.8	11:14:27
675.E	55000.5	11:11:15
700.E	55101.9	11:08:19
725.E	55687.2	11:06:04
750.E	55205.9	11:03:54
775.E	55078.7	11:00:47
800.E	54891.7	10:58:24
825.E	54969.8	10:55:38
850.E	54873.1	10:52:47
875.E	54818.7	10:50:43
900.E	54536.2	10:48:15

 EDITED DATA FILE --> magwed50.CLN

GRID: 1. LINE: 200.N

STATION	TOT-FLD	TIME
0.	54942.6	12:23:19
25.E	54838.3	12:26:23
50.E	54883.3	12:28:24
75.E	54933.1	12:31:19
100.E	55179.6	12:34:43
125.E	55024.8	12:38:17
150.E	55099.4	12:39:48
175.E	55159.2	12:41:12
200.E	55044.2	12:42:25
225.E	54880.3	12:43:40
250.E	54945.3	12:44:46
275.E	55120.1	12:46:06
300.E	55003.9	12:48:31
325.E	55006.8	12:51:10
350.E	54976.4	12:52:37
375.E	55481.1	12:53:48
400.E	55334.1	12:55:09
425.E	55177.2	12:56:54
450.E	55066.1	12:58:19
475.E	55024.5	13:00:04
500.E	54870.1	13:03:19
525.E	55004.7	13:06:05
550.E	55057.4	13:08:08
575.E	54993.5	13:10:41
600.E	54986.3	13:12:59
625.E	55150.4	13:16:46
650.E	55238.6	13:19:19
675.E	55287.7	10:10:24
700.E	55105.4	10:11:46
725.E	54853.2	10:13:17
750.E	55250.0	10:14:44
775.E	55292.1	10:16:57
800.E	55264.7	10:18:35
825.E	55246.4	10:20:19
850.E	55297.9	10:21:40
875.E	54931.3	10:23:14
900.E	54749.9	10:25:04

IGSEDIT Summary Page 3   EDITED DATA FILE --> magwed50.CLN

GRID: 2. LINE: 500.S

STATION	TOT-FLD	TIME
250.W	55307.2	18:01:35
225.W	55379.1	18:04:00
200.W	55508.9	18:07:35
175.W	55557.8	18:09:25
150.W	55460.5	18:11:04
125.W	55572.9	18:12:35
100.W	55459.2	18:14:26
75.W	55613.8	18:16:06
50.W	55734.2	18:17:30
25.W	55732.2	18:20:16
0.	55299.2	18:22:19

IGSEDIT Summary Page 4 EDITED DATA FILE --> magwed50.CLN

GRID: 2. LINE: 450.S

STATION	TOT-FLD	TIME
250.W	55646.7	17:57:44
225.W	55593.6	17:56:15
200.W	55425.2	17:54:39
175.W	55409.7	17:52:50
150.W	55490.3	17:51:24
125.W	55768.2	17:50:08
100.W	55721.1	17:49:04
75.W	55495.9	17:47:49
50.W	55527.2	17:46:30
25.W	55495.1	17:45:02
0.	55616.1	17:43:05

GRID: 2. LINE: 400.S

STATION	TOT-FLD	TIME
250.W	55655.2	17:19:35
225.W	56018.0	17:22:02
200.W	55429.3	17:24:30
175.W	55442.8	17:26:32
150.W	55431.4	17:27:49
125.W	55446.0	17:28:53
100.W	55423.0	17:30:07
75.W	55446.2	17:31:57
50.W	55506.0	17:33:20
25.W	56024.8	17:35:01
0.	55736.2	17:37:53

 EDITED DATA FILE --> magthu50.CLN

GRID: 3. LINE: 1250.N

STATION	TOT-FLD	TIME
300.W	55150.2	16:49:02
275.W	55178.6	16:50:00
250.W	55291.4	16:50:48
225.W	55187.6	16:51:36
200.W	55211.5	16:52:37
175.W	55269.6	16:53:47
150.W	54962.4	16:54:51
125.W	55091.9	16:55:59
100.W	55121.1	16:57:11
75.W	55193.4	16:58:14
50.W	55279.9	16:59:05
25.W	55413.1	17:00:05
0.	55765.3	17:01:20
25.E	55110.2	17:02:12

IGSEDIT Summary Page 4 EDITED DATA FILE --> magthu50.CLN

GRID: 3. LINE: 1300.N

STATION	TOT-FLD	TIME
375.W	55127.5	17:22:52
350.W	55110.8	17:21:22
325.W	55118.6	17:20:22
300.W	55124.4	17:19:17
275.W	55153.5	17:18:14
250.W	55120.2	17:17:07
225.W	55287.3	17:15:38
200.W	55130.1	17:14:01
175.W	55278.2	17:12:40
150.W	55144.5	17:11:23
125.W	55151.9	17:10:04
100.W	55141.9	17:09:07
75.W	55188.7	17:08:05
50.W	55208.7	17:07:02
25.W	55422.2	17:05:34

IGS EDITED DATA FILE SUMMARY EDITED DATA FILE --> magfr250.CLN

GRID: 3. LINE: 1350.N

STATION	TOT-FLD	TIME
300.W	55146.5	09:52:21
275.W	55169.0	09:54:04
250.W	55168.0	09:57:03
225.W	55149.7	09:58:07
200.W	55151.3	09:59:17
175.W	55184.1	10:00:11
150.W	55197.5	10:01:11
125.W	55254.9	10:02:11
100.W	55237.3	10:03:14
75.W	55260.5	10:04:09
50.W	55164.7	10:04:59
25.W	55164.3	10:06:02
0.	55112.5	10:06:53

 EDITED DATA FILE --> magfr250.CLN

GRID: 3. LINE: 1400.N

STATION	TOT-FLD	TIME
300.W	55188.2	10:24:10
275.W	55198.9	10:22:56
250.W	55215.2	10:21:37
225.W	55144.5	10:19:52
200.W	55123.8	10:18:14
175.W	55176.3	10:16:53
150.W	55159.1	10:15:52
125.W	55373.4	10:14:56
100.W	55273.5	10:13:27
75.W	55345.1	10:12:27
50.W	55310.7	10:10:32
25.W	55220.0	10:09:25
0.	55227.6	10:08:21

GRID: 3. LINE: 1450.N

STATION	TOT-FLD	TIME
300.W	55216.7	10:27:48
275.W	55258.7	10:28:55
250.W	55130.7	10:30:00
225.W	55190.4	10:31:11
200.W	55089.1	10:36:31
175.W	55083.0	10:37:17
150.W	55089.9	10:38:11
125.W	55135.7	10:39:02
100.W	55291.8	10:40:10
75.W	55170.5	10:41:16
50.W	55220.9	10:42:08
25.W	55201.8	10:42:53
0.	55188.2	10:43:42

IGSEDIT Summary Page 4 EDITED DATA FILE --> magfr250.CLN

GRID: 3. LINE: 1500.N

STATION	TOT-FLD	TIME
300.W	55212.6	10:57:08
275.W	55389.7	10:56:09
250.W	55344.8	10:55:16
225.W	55227.9	10:54:28
200.W	55237.5	10:53:45
175.W	55225.2	10:52:56
150.W	55231.9	10:52:05
125.W	55039.5	10:51:20
100.W	55109.4	10:50:22
75.W	55124.7	10:49:27
50.W	55185.4	10:48:14
25.W	55274.0	10:47:14
0.	55159.6	10:45:47

 EDITED DATA FILE --> magfr250.CLN

GRID: 3. LINE: 1550.N

STATION	TOT-FLD	TIME
300.W	55134.7	10:59:54
275.W	55158.7	11:00:41
250.W	55202.3	11:01:40
225.W	55270.8	11:02:24
200.W	55195.4	11:03:12
175.W	55153.8	11:04:20
150.W	54993.0	11:04:44
125.W	55000.2	11:05:29
100.W	55230.5	11:06:27
75.W	55062.3	11:07:12
50.W	55165.3	11:08:11
25.W	55151.0	11:09:43
0.	55150.1	11:10:27
25.E	55168.0	11:11:28
50.E	55193.6	11:12:28

IGSEDIT Summary Page 6 EDITED DATA FILE --> magfr250.CLN

GRID: 3. LINE: 1600.N

STATION	TOT-FLD	TIME
300.W	55077.3	11:31:14
275.W	55162.8	11:30:02
250.W	55196.4	11:29:11
225.W	55165.8	11:27:55
200.W	55066.7	11:24:46
200.W	55066.9	11:26:19
175.W	55073.9	11:24:33
150.W	55159.9	11:23:41
125.W	55105.8	11:22:31
100.W	54906.9	11:21:29
75.W	55126.7	11:20:29
50.W	55146.1	11:19:39
25.W	55104.3	11:18:20
0.	55123.8	11:16:32
25.E	55208.4	11:15:33
50.E	55161.7	11:14:09

IGSEDIT Summary Page 7 EDITED DATA FILE --> magfr250.CLN

GRID: 3. LINE: 1650.N

STATION	TOT-FLD	TIME
300.W	55599.0	11:33:09
275.W	55432.9	11:34:00
250.W	55037.3	11:34:52
225.W	55096.2	11:35:55
200.W	55102.0	11:37:21
175.W	55165.8	11:38:19
150.W	55545.5	11:39:19
125.W	54952.7	11:40:06
100.W	55060.9	11:40:52
75.W	55077.8	11:41:35
50.W	55124.1	11:42:24
25.W	55159.4	11:43:04
0.	55149.5	11:43:57
25.E	55203.0	11:44:41
50.E	55150.8	11:45:27

GRID: 3. LINE: 2050.N

STATION	TOT-FLD	TIME
500.W	55060.5	12:55:53
475.W	54965.5	12:56:39
450.W	55106.0	12:57:27
425.W	55381.8	12:58:26
400.W	55206.0	12:59:14
375.W	55022.2	13:00:12
350.W	55065.4	13:01:14
325.W	55089.2	13:02:04
300.W	55141.7	13:02:46
275.W	55154.4	13:03:33
250.W	55163.7	13:04:23
225.W	55142.0	13:06:33
200.W	55225.2	13:07:28

 EDITED DATA FILE --> magfr250.CLN

GRID: 3. LINE: 2100.N

STATION	TOT-FLD	TIME
225.W	55158.5	13:10:16
200.W	55258.5	13:09:17

 EDITED DATA FILE --> magfr250.CLN

GRID: 3. LINE: 2150.N

STATION	TOT-FLD	TIME
500.W	54972.8	12:52:23
475.W	55078.4	12:51:34
450.W	54891.2	12:50:01
425.W	55095.0	12:49:00
400.W	55054.9	12:48:10
375.W	55004.9	12:47:08
350.W	55045.3	12:46:26
325.W	55075.0	12:45:44
300.W	55079.8	12:44:43
275.W	55081.3	12:43:46
250.W	55102.2	12:42:36
225.W	55162.2	12:41:40
200.W	55181.0	12:40:38

 EDITED DATA FILE --> seafri50.CLN

GRID: 1. LINE: 1200.S FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
0.	36	11	249.00	16:10:49
25.E	28	10	246.00	16:08:17
50.E	28	8	233.00	16:06:11
75.E	24	9	242.00	16:03:53
100.E	26	6	249.00	16:02:01
125.E	25	7	255.00	16:00:37
150.E	21	4	251.00	15:59:29
175.E	22	3	282.00	15:58:33
200.E	14	-2	266.00	15:57:15
225.E	15	-2	260.00	15:55:59
250.E	10	-3	260.00	15:54:21
275.E	13	-2	261.00	15:52:22
300.E	13	-2	268.00	15:50:46
325.E	13	-1	276.00	15:49:00
350.E	6	-3	284.00	15:47:15
375.E	4	-2	261.00	15:44:58
400.E	9	0	257.00	15:42:54
425.E	8	0	264.00	15:41:18
450.E	11	1	275.00	15:40:00
475.E	3	1	278.00	15:38:43
500.E	1	0	266.00	15:37:35
525.E	2	3	267.00	15:36:41
550.E	1	-0	266.00	15:35:53
575.E	-0	-2	267.00	15:34:53
600.E	-1	-4	262.00	15:33:12
625.E	-3	-5	253.00	15:30:58
650.E	2	-4	254.00	15:29:29
675.E	3	-2	257.00	15:27:07
700.E	8	0	275.00	15:25:52
725.E	1	-2	295.00	15:24:22
750.E	-3	-5	289.00	15:22:21
775.E	-14	-11	278.00	15:20:47
800.E	-17	-15	232.00	15:18:13
825.E	-12	-11	205.00	15:14:51
850.E	2	-1	240.00	15:13:18
875.E	-1	-1	251.00	15:11:56

IGSEDIT Summary Page 2 EDITED DATA FILE --> seasat50.CLN

GRID: 1. LINE: 1000.S FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
600.W	35	0	206.00	12:06:49
575.W	35	-0	215.00	12:08:20
550.W	34	-0	211.00	12:09:45
525.W	23	-3	236.00	12:11:28
500.W	24	-4	210.00	12:13:23
475.W	29	3	221.00	12:15:47
450.W	33	4	241.00	12:17:54
425.W	24	1	243.00	12:19:50
400.W	29	1	244.00	12:21:59
375.W	28	1	253.00	12:24:12
350.W	28	0	252.00	12:26:05
325.W	22	0	242.00	12:30:29
300.W	23	0	239.00	12:32:29
275.W	20	-0	249.00	12:34:29
250.W	24	-0	252.00	12:37:00
225.W	24	-4	249.00	12:39:26
200.W	10	-4	273.00	12:41:17
175.W	12	-5	266.00	12:44:11
150.W	8	-1	265.00	12:47:24
125.W	10	0	258.00	12:49:36
100.W	11	-0	238.00	12:52:12
75.W	20	5	226.00	12:54:17
50.W	21	6	239.00	12:57:01
25.W	20	8	248.00	12:59:51
0.	19	8	255.00	13:02:46
25.E	17	10	263.00	13:32:23
50.E	19	7	269.00	13:35:07
75.E	16	6	264.00	13:38:53
100.E	14	3	266.00	13:41:38
125.E	16	1	256.00	13:43:43
150.E	13	-0	258.00	13:45:24
175.E	10	-2	264.00	13:47:27
200.E	12	-1	258.00	13:49:19
225.E	9	-2	265.00	13:52:13
250.E	13	-2	252.00	13:54:10
275.E	12	-3	248.00	13:56:56
300.E	6	-4	258.00	13:58:10
325.E	8	-4	260.00	13:59:23
350.E	10	-3	261.00	14:00:50
375.E	12	-2	262.00	14:03:41
400.E	-1	-5	268.00	14:06:31
425.E	0	-8	274.00	14:08:34
450.E	-4	-9	267.00	14:11:33
475.E	-4	-9	265.00	14:13:26
500.E	-8	-9	247.00	14:15:34
525.E	-4	-6	256.00	14:17:28
550.E	-5	-5	249.00	14:19:22
575.E	-7	-4	254.00	14:20:45
600.E	-4	-2	249.00	14:22:20
625.E	-6	-1	261.00	14:24:51
650.E	-7	-3	250.00	14:26:55
675.E	-1	-2	239.00	14:28:32
700.E	-1	1	249.00	14:29:52
725.E	-1	2	262.00	14:31:26
750.E	-1	3	268.00	14:32:54

 EDITED DATA FILE --> seasat50.CLN

GRID: 1. LINE: 1000.S FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
775.E	-1	2	265.00	14:34:05
800.E	-0	2	264.00	14:35:29
825.E	-0	1	267.00	14:36:44
850.E	-1	1	274.00	14:37:54
875.E	-1	0	272.00	14:39:10
900.E	-1	1	279.00	14:41:12

IGSEDIT Summary Page 4 EDITED DATA FILE --> seasat50.CLN

GRID: 1. LINE: 800.S FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
25.W	18	5	234.00	16:15:33
0.	12	2	255.00	16:13:44
25.E	8	-0	243.00	16:12:27
50.E	8	-0	239.00	16:11:12
75.E	16	1	239.00	16:10:00
100.E	12	2	237.00	16:08:40
125.E	14	5	255.00	16:07:10
150.E	7	1	260.00	16:05:22
175.E	7	3	246.00	16:03:36
200.E	7	4	245.00	16:01:01
225.E	9	4	236.00	15:58:40
250.E	12	5	225.00	15:55:03
275.E	7	6	233.00	15:52:05
300.E	10	5	231.00	15:50:01
325.E	10	5	232.00	15:47:56
350.E	13	5	236.00	15:45:36
375.E	17	1	232.00	15:42:46
400.E	16	3	233.00	15:39:14
425.E	19	5	223.00	15:36:49
450.E	30	4	215.00	15:33:37
475.E	16	4	243.00	15:31:58
500.E	22	2	247.00	15:30:23
525.E	16	2	256.00	15:28:08
550.E	16	-0	256.00	15:26:42
575.E	12	-0	260.00	15:25:16
600.E	16	-0	265.00	15:23:35
625.E	7	-1	275.00	15:21:57
650.E	8	-1	271.00	15:20:13
675.E	6	-0	280.00	15:18:21
700.E	10	-0	272.00	15:16:31
725.E	5	1	294.00	15:13:51
750.E	5	2	289.00	15:11:38
775.E	3	3	302.00	15:10:03
800.E	2	3	319.00	15:08:31
825.E	-2	1	318.00	15:06:36
850.E	-5	2	313.00	15:04:51
875.E	-9	1	332.00	15:02:21
900.E	-12	0	285.00	14:57:24
900.E	-16	-1	305.00	15:00:25

 EDITED DATA FILE --> seasat50.CLN

GRID: 1. LINE: 800.S FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
600.W	14	3	196.00	17:03:24
575.W	16	0	195.00	17:01:33
550.W	30	1	164.00	16:59:50
525.W	27	4	199.00	16:58:27
500.W	25	2	180.00	16:56:36
475.W	26	2	200.00	16:54:38
450.W	33	0	191.00	16:53:05
425.W	29	0	212.00	16:51:12
400.W	23	-0	231.00	16:49:02
375.W	8	-2	247.00	16:47:11
350.W	10	0	239.00	16:45:20
325.W	10	0	222.00	16:43:30
300.W	9	0	219.00	16:41:46
275.W	8	-2	221.00	16:37:37
250.W	13	-1	221.00	16:35:40
225.W	22	-0	232.00	16:33:15
200.W	39	1	195.00	16:30:37
175.W	22	1	251.00	16:26:34
150.W	20	5	250.00	16:23:50
125.W	16	2	252.00	16:22:03
100.W	4	2	248.00	16:20:15
75.W	10	4	246.00	16:18:18

IGS EDITED DATA FILE SUMMARY   EDITED DATA FILE --> seasun50.CLN

GRID: 1. LINE: 2000.S FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
0.	9	7	224.00	05:10:48
25.E	11	5	217.00	05:12:07
50.E	4	6	215.00	05:13:33
75.E	11	7	213.00	05:15:18
100.E	5	2	211.00	05:16:46
125.E	9	-0	212.00	05:17:51
150.E	11	-2	206.00	05:19:05
175.E	18	-1	213.00	05:20:12
200.E	22	-0	223.00	05:22:15
225.E	15	-3	240.00	05:23:35
250.E	12	-3	246.00	05:25:06
275.E	8	-3	240.00	05:26:27
300.E	5	-2	223.00	05:28:12
325.E	9	-0	236.00	05:29:45
350.E	9	-0	243.00	05:31:04
375.E	6	-0	245.00	05:32:20
400.E	5	1	242.00	05:33:23

GRID: 3. LINE: 2200.N

STATION	TOT-FLD	TIME
500.W	55092.4	12:24:34
475.W	55292.6	12:25:26
450.W	54936.9	12:26:16
425.W	54826.7	12:27:47
400.W	55188.9	12:29:18
375.W	55033.9	12:31:20
350.W	55060.2	12:33:04
325.W	55144.3	12:34:32
300.W	55063.1	12:35:20
275.W	55076.2	12:36:03
250.W	55119.7	12:36:48
225.W	55094.0	12:37:42
200.W	55101.3	12:38:20

 EDITED DATA FILE --> magtr250.CLN

GRID: 3. LINE: 2250.N

STATION	TOT-FLD	TIME
500.W	54993.1	13:33:58
475.W	55182.5	13:32:56
450.W	54887.0	13:31:56
425.W	55255.2	13:30:43
400.W	54900.7	13:29:15
375.W	55045.2	13:27:26
350.W	55072.4	13:26:18
325.W	55055.6	13:25:17
300.W	55095.5	13:24:09
275.W	55059.5	13:23:10
250.W	55122.7	13:20:07
250.W	55091.6	13:22:11
225.W	55102.1	13:18:36
225.W	55196.5	13:21:18
200.W	55167.6	13:17:43
200.W	55127.1	13:20:29

GRID: 3. LINE: 2300.N

STATION	TOT-FLD	TIME
500.W	55052.4	13:38:26
450.W	55051.6	13:38:57
425.W	55064.8	13:43:47
400.W	54894.3	13:44:34
375.W	54951.9	13:46:14
350.W	55010.8	13:47:02
325.W	55170.6	13:48:14
300.W	55050.7	13:49:10
275.W	55020.7	13:50:10
250.W	55125.9	13:51:11
225.W	55111.7	13:51:55
200.W	55122.8	13:52:38

GRID: 3. LINE: 2400.N

STATION	TOT-FLD	TIME
350.W	55267.3	14:08:03
325.W	54976.6	14:05:42
300.W	55091.1	14:04:28
275.W	55274.8	14:02:50
250.W	55057.9	14:01:18
225.W	55143.0	13:59:21

BLUE GROUSE PROJECT

VLF-EM DATA

TX: SEATTLE, WASH.

IGS EDITED DATA FILE SUMMARY   EDITED DATA FILE --> seafri50.CLN

GRID: 1. LINE: 1800.S FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
300.W	23	4	185.00	09:52:55
275.W	13	3	190.00	09:55:19
250.W	10	2	184.00	09:56:38
225.W	14	1	182.00	09:57:41
200.W	16	1	183.00	09:59:20
175.W	20	3	182.00	10:00:59
150.W	29	4	197.00	10:06:14
125.W	23	2	218.00	10:07:17
100.W	10	-0	227.00	10:08:14
75.W	7	-2	213.00	10:09:07
50.W	13	-0	211.00	10:10:10
25.W	11	-2	215.00	10:11:21
0.	8	-5	217.00	10:13:05
25.E	11	-3	206.00	10:13:59
50.E	14	-4	217.00	10:14:55
75.E	13	-5	227.00	10:16:10
100.E	6	-5	241.00	10:17:11
125.E	2	-6	231.00	10:18:08
150.E	7	-1	226.00	10:19:07
175.E	5	-1	232.00	10:20:37
200.E	7	-1	232.00	10:22:12
225.E	11	0	225.00	10:23:57
250.E	15	-1	238.00	10:25:08
275.E	18	0	241.00	10:27:01
300.E	19	1	259.00	10:28:15
325.E	16	1	278.00	10:29:34
350.E	2	0	291.00	10:30:38
375.E	-6	-0	266.00	10:32:06
400.E	-10	1	239.00	10:33:06
425.E	-10	-0	230.00	10:34:20
450.E	-5	0	223.00	10:35:27
475.E	-1	1	218.00	10:44:08
500.E	0	0	218.00	10:45:09
525.E	2	2	216.00	10:46:15
550.E	5	-1	227.00	10:47:18
575.E	12	0	209.00	10:48:43
600.E	10	0	227.00	10:49:52
625.E	5	-3	207.00	10:51:42
650.E	14	4	227.00	10:54:06

IGSEDIT Summary Page 2 EDITED DATA FILE --> seafri50.C_N

GRID: 1. LINE: 1800.S FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
675.E	12	3	234.00	10:55:21
700.E	10	1	238.00	10:56:25
725.E	8	1	238.00	10:57:29
750.E	9	1	237.00	10:58:27
775.E	6	1	234.00	10:59:32
800.E	8	3	239.00	11:00:28
825.E	7	1	240.00	11:01:25
850.E	7	0	236.00	11:02:22
875.E	12	1	236.00	11:03:28
900.E	12	3	241.00	11:04:24

GRID: 1. LINE: 1600.S FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
600.W	15	-0	184.00	12:39:24
575.W	18	2	183.00	12:37:49
550.W	14	1	188.00	12:36:39
525.W	11	-2	180.00	12:35:36
500.W	7	-3	173.00	12:34:49
475.W	14	-2	160.00	12:33:37
450.W	24	1	160.00	12:32:05
425.W	26	-1	166.00	12:30:50
400.W	34	-3	171.00	12:29:33
375.W	33	-3	183.00	12:28:24
350.W	35	0	196.00	12:27:00
325.W	27	-3	192.00	12:25:54
300.W	35	-2	193.00	12:24:47
275.W	31	-1	202.00	12:23:15
250.W	26	-2	214.00	12:21:55
225.W	26	-1	209.00	12:20:50
200.W	25	0	212.00	12:19:35
175.W	23	0	222.00	12:18:28
150.W	22	-1	226.00	12:17:21
125.W	16	-3	234.00	12:16:24
100.W	11	-6	232.00	12:15:14
75.W	5	-8	224.00	12:14:04
50.W	12	-4	219.00	12:13:08
25.W	18	-0	216.00	12:12:08
0.	27	4	210.00	12:10:58
25.E	22	-1	245.00	12:09:57
50.E	26	3	272.00	12:08:18
75.E	7	-2	286.00	12:07:31
100.E	0	-3	255.00	12:06:13
125.E	2	-1	235.00	12:05:08
150.E	2	-5	226.00	12:04:23
175.E	11	-0	203.00	12:03:20
200.E	17	4	213.00	12:02:13
225.E	28	5	239.00	12:00:19
250.E	21	-0	272.00	11:58:04
275.E	14	-0	280.00	11:56:22
300.E	3	-2	288.00	11:54:43
325.E	2	-0	271.00	11:53:27
350.E	0	0	263.00	11:52:14
375.E	4	2	250.00	11:50:59
400.E	6	3	257.00	11:49:34
425.E	-2	-1	263.00	11:47:23
450.E	-2	-1	247.00	11:45:34
475.E	-0	-1	244.00	11:44:27
500.E	-1	-1	235.00	11:42:47
525.E	4	-0	228.00	11:41:07
550.E	5	0	228.00	11:39:48
575.E	11	2	238.00	11:38:02
600.E	10	2	250.00	11:36:13
625.E	10	1	254.00	11:35:08
650.E	7	0	264.00	11:33:51
675.E	3	-0	255.00	11:32:04
700.E	3	-0	257.00	11:30:47
725.E	4	0	255.00	11:28:30
750.E	5	1	251.00	11:26:05

IGSEDIT Summary Page 4 EDITED DATA FILE --> seafri50.CLN

GRID: 1. LINE: 1600.S FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
775.E	2	2	247.00	11:24:59
800.E	5	3	251.00	11:23:44
825.E	3	0	257.00	11:22:19
850.E	1	-1	257.00	11:20:56
875.E	-0	-5	257.00	11:19:36
900.E	0	-5	259.00	11:17:23
900.E	-1	-5	260.00	11:18:23

IGSEDIT Summary Page 5 EDITED DATA FILE --> seafri50.CLN

GRID: 1. LINE: 1400.S FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
700.W	17	2	199.00	13:13:59
675.W	11	1	199.00	13:14:55
650.W	2	0	193.00	13:16:11
625.W	4	-1	186.00	13:17:28
600.W	3	-5	175.00	13:18:13
575.W	15	-0	158.00	13:19:44
550.W	22	3	173.00	13:21:23
525.W	22	-1	171.00	13:23:01
500.W	23	-5	171.00	13:24:47
475.W	33	-0	174.00	13:25:51
450.W	31	-4	180.00	13:27:08
425.W	35	0	193.00	13:28:52
400.W	19	-4	195.00	13:30:56
375.W	28	1	186.00	13:32:23
350.W	31	1	186.00	13:33:47
325.W	35	0	185.00	13:35:47
300.W	33	-1	187.00	13:38:14
275.W	22	-5	202.00	13:40:09
250.W	30	-4	189.00	13:42:04
225.W	33	-2	201.00	13:43:57
200.W	33	-7	190.00	13:46:18
175.W	41	-3	192.00	13:48:20
150.W	46	-2	196.00	13:50:41
125.W	49	1	213.00	13:52:21
100.W	43	-3	237.00	13:53:59
75.W	35	-3	241.00	13:55:16
50.W	29	-5	246.00	13:56:58
25.W	26	-4	248.00	13:58:23
0.	26	-6	242.00	14:00:17
25.E	27	-4	251.00	14:02:19
50.E	27	-4	253.00	14:03:48
75.E	21	-4	267.00	14:05:24
100.E	18	-1	263.00	14:07:29
125.E	14	-0	254.00	14:08:53
150.E	17	1	255.00	14:10:09
175.E	13	-1	255.00	14:11:49
200.E	17	1	238.00	14:13:33
225.E	17	-0	240.00	14:14:52
250.E	21	1	240.00	14:16:15
275.E	25	1	254.00	14:17:50
300.E	21	1	265.00	14:19:36
325.E	21	2	282.00	14:21:15
350.E	13	-1	295.00	14:22:41
375.E	8	-1	273.00	14:24:55
400.E	5	-1	275.00	14:28:33
425.E	3	-3	261.00	14:30:28
450.E	4	-1	253.00	14:33:31
475.E	10	0	246.00	14:35:25
500.E	11	1	263.00	14:38:55
525.E	8	1	268.00	14:39:47
550.E	3	0	261.00	14:41:39
575.E	6	0	260.00	14:43:02
600.E	9	2	260.00	14:44:11
625.E	5	2	266.00	14:45:32
650.E	8	3	257.00	14:46:59

IGS EDITED DATA FILE SUMMARY   EDITED DATA FILE --> seasat50.CLN

GRID: 1. LINE: 1200.S FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
600.W	30	-0	168.00	11:49:01
575.W	34	-3	165.00	11:47:40
550.W	35	2	173.00	11:45:40
525.W	37	0	186.00	11:44:06
500.W	36	-1	181.00	11:42:47
475.W	36	-3	180.00	11:41:26
450.W	48	-0	177.00	11:39:39
425.W	49	-0	189.00	11:38:10
400.W	37	-1	205.00	11:36:11
375.W	39	-3	196.00	11:33:01
350.W	44	-2	189.00	11:31:05
325.W	45	0	191.00	11:29:32
300.W	43	-5	204.00	11:27:34
275.W	51	-6	191.00	11:25:20
250.W	50	-6	207.00	11:22:56
225.W	50	-4	212.00	11:21:37
200.W	56	-1	224.00	11:18:42
175.W	46	-1	246.00	11:16:03
150.W	40	1	253.00	11:14:05
125.W	35	2	262.00	11:12:20
100.W	26	-0	251.00	11:10:23
75.W	22	5	234.00	11:08:04
50.W	32	10	228.00	11:06:23
25.W	48	12	210.00	11:03:44
0.	36	10	258.00	11:00:39

 EDITED DATA FILE --> seafri50.CLN

GRID: 1. LINE: 1400.S FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
675.E	8	3	261.00	14:48:34
700.E	4	1	275.00	14:49:27
725.E	1	-1	254.00	14:50:34
750.E	2	-0	257.00	14:51:43
775.E	2	-1	259.00	14:52:43
800.E	0	-4	254.00	14:53:44
825.E	-2	-3	250.00	14:54:45
850.E	-0	-5	246.00	14:55:50
875.E	0	-5	245.00	14:56:54
900.E	-0	-5	236.00	14:58:19

 EDITED DATA FILE --> seasun50.CLN

GRID: 1. LINE: 600.S FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
600.W	29	10	209.00	02:16:50
575.W	19	9	209.00	02:19:08
550.W	23	6	210.00	02:20:39
525.W	15	1	211.00	02:22:26
500.W	21	2	216.00	02:24:55
475.W	25	1	224.00	02:26:12
450.W	20	-0	231.00	02:28:12
425.W	17	-2	233.00	02:30:04
400.W	20	0	235.00	02:32:19
375.W	19	1	249.00	02:33:43
350.W	17	-2	248.00	02:35:26
325.W	14	-1	244.00	02:37:05
300.W	23	2	254.00	02:38:09
275.W	17	-0	246.00	02:39:13
250.W	11	-3	251.00	02:40:23
225.W	14	-4	236.00	02:41:37
200.W	20	-2	235.00	02:43:05
175.W	18	-2	234.00	02:44:36
150.W	24	0	234.00	02:46:04
125.W	26	7	241.00	02:48:31
100.W	21	6	252.00	02:50:27
75.W	14	8	244.00	02:52:35
50.W	4	7	234.00	02:55:30
25.W	5	6	226.00	02:57:01
0.	4	5	211.00	02:58:19
25.E	11	6	219.00	03:00:16
50.E	16	6	210.00	03:01:23
75.E	20	7	214.00	03:02:28
100.E	11	5	215.00	03:04:14
125.E	14	5	222.00	03:06:24
150.E	14	5	241.00	03:07:47
175.E	12	6	233.00	03:09:23
200.E	6	1	222.00	03:11:05
225.E	11	4	211.00	03:12:42
250.E	13	4	206.00	03:14:46
275.E	21	7	181.00	03:17:51
300.E	29	8	177.00	03:20:52
325.E	26	6	194.00	03:23:34
350.E	30	6	205.00	03:25:31
375.E	30	5	210.00	03:27:32
400.E	33	6	216.00	03:29:20
425.E	31	5	225.00	03:34:00
450.E	33	5	222.00	03:36:15
475.E	40	6	225.00	03:39:22
500.E	47	10	228.00	03:42:03
525.E	51	12	241.00	03:46:20
550.E	46	15	277.00	03:49:15
575.E	40	12	317.00	03:52:38
600.E	21	10	332.00	03:56:02
625.E	17	12	332.00	03:58:50
650.E	17	13	325.00	04:02:03
675.E	8	7	329.00	04:05:47
700.E	5	4	331.00	04:06:58
725.E	-2	-1	326.00	04:08:10
750.E	-8	-3	320.00	04:09:41

IGSEDIT Summary Page 3 EDITED DATA FILE --> seasun50.CLN

GRID: 1. LINE: 600.S FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
775.E	-13	-5	323.00	04:11:15
800.E	-21	-9	315.00	04:13:01
825.E	-23	-11	293.00	04:14:24
850.E	-31	-13	280.00	04:16:07
875.E	-32	-14	260.00	04:17:44

IGS EDITED DATA FILE SUMMARY   EDITED DATA FILE --> seamon50.CLN

GRID: 1. LINE: 400.S FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
600.W	28	7	183.00	10:12:09
575.W	34	7	180.00	10:13:53
550.W	85	8	178.00	10:16:09
525.W	57	9	191.00	10:19:32
500.W	60	10	178.00	10:23:23
475.W	51	9	209.00	10:26:29
450.W	53	6	214.00	10:29:12
425.W	52	8	225.00	10:31:07
400.W	53	6	233.00	10:32:45
375.W	62	4	223.00	10:34:29
350.W	47	2	244.00	10:37:42
325.W	53	2	231.00	10:41:55
300.W	53	3	240.00	10:50:06
275.W	38	-2	256.00	10:51:36
250.W	42	-5	252.00	10:53:15
225.W	34	-7	250.00	10:54:47
200.W	32	-9	256.00	10:56:45
175.W	30	-7	265.00	10:58:43
150.W	33	-7	267.00	11:01:12
125.W	26	-5	270.00	11:03:31
100.W	24	-3	271.00	11:05:22
75.W	28	-1	249.00	11:07:32
50.W	24	3	248.00	11:09:10
25.W	32	9	231.00	11:10:39
0.	36	15	238.00	11:13:18
25.E	45	16	246.00	11:15:07
50.E	35	13	278.00	11:18:18
75.E	35	10	287.00	11:20:55
100.E	27	2	310.00	11:22:55
125.E	18	-0	300.00	11:24:20
150.E	13	-2	294.00	11:25:50
175.E	8	-6	277.00	11:27:18
200.E	9	-8	256.00	11:28:42
225.E	15	-8	209.00	11:31:00
250.E	14	-6	214.00	11:32:37
275.E	20	-3	205.00	11:34:24
300.E	30	1	191.00	11:35:53
325.E	35	4	197.00	11:45:50
350.E	49	9	201.00	11:47:55

 EDITED DATA FILE --> seamon50.CLN

GRID: 1. LINE: 400.S FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
375.E	47	6	230.00	11:50:24
400.E	48	7	240.00	11:51:43
425.E	48	6	259.00	11:53:22
450.E	47	6	266.00	11:55:32
475.E	48	8	283.00	11:57:50
500.E	46	9	300.00	11:59:53
525.E	39	11	303.00	12:02:38
550.E	39	12	309.00	12:05:18
575.E	41	16	325.00	12:07:24
600.E	35	11	342.00	12:09:39
625.E	30	12	350.00	12:11:53
650.E	24	8	361.00	12:15:41
675.E	12	3	370.00	12:37:11
700.E	15	-1	369.00	12:38:16
725.E	0	-6	390.00	12:40:07
750.E	-10	-12	354.00	12:42:05
775.E	-18	-16	328.00	12:44:09
800.E	-25	-16	321.00	12:46:59
825.E	-24	-18	293.00	12:49:08
850.E	-31	-20	269.00	12:51:41
875.E	-27	-17	252.00	12:54:04
900.E	-31	-16	246.00	12:57:20

IGSEDIT Summary Page 3 EDITED DATA FILE --> seamon50.CLN

GRID: 1. LINE: 200.S FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
600.W	44	7	162.00	15:26:25
575.W	33	2	190.00	15:24:41
550.W	44	3	182.00	15:23:18
525.W	38	4	205.00	15:22:07
500.W	48	8	210.00	15:20:51
475.W	49	8	210.00	15:19:22
450.W	46	6	222.00	15:08:49
425.W	42	8	234.00	15:07:22
400.W	37	4	245.00	15:05:50
375.W	40	7	239.00	15:04:32
350.W	45	-0	236.00	15:03:23
325.W	42	0	239.00	15:02:08
300.W	39	0	251.00	15:00:15
275.W	36	-2	254.00	14:58:18
250.W	33	-2	261.00	14:56:29
225.W	30	-3	259.00	14:54:34
200.W	29	-2	261.00	14:53:06
175.W	32	-2	258.00	14:51:31
150.W	24	-2	253.00	14:50:04
125.W	34	1	253.00	14:48:49
100.W	31	-0	276.00	14:47:28
75.W	28	-1	289.00	14:46:28
50.W	20	-1	296.00	14:45:12
25.W	18	-1	301.00	14:43:57
0.	16	-0	306.00	14:42:15
25.E	10	-0	316.00	14:40:29
50.E	7	-2	304.00	14:38:52
75.E	2	-6	293.00	14:37:10
100.E	-0	-9	277.00	14:35:34
125.E	-1	-12	256.00	14:33:18
150.E	5	-11	243.00	14:30:19
175.E	5	-11	232.00	14:27:43
200.E	12	-7	210.00	14:25:16
225.E	26	2	215.00	14:17:18
250.E	27	0	232.00	14:15:42
275.E	33	3	238.00	14:14:06
300.E	39	6	244.00	14:12:28
325.E	40	5	270.00	14:11:19
350.E	32	5	293.00	14:10:02
375.E	29	6	297.00	14:08:52
400.E	30	6	308.00	14:07:24
425.E	27	9	314.00	14:06:00
450.E	30	14	323.00	14:04:35
475.E	26	14	348.00	14:03:09
500.E	25	16	355.00	14:01:18
525.E	22	17	355.00	13:59:36
550.E	24	19	363.00	13:57:53
575.E	27	18	365.00	13:56:13
600.E	12	10	386.00	13:54:07
625.E	4	4	380.00	13:52:37
650.E	-5	-3	359.00	13:51:16
675.E	-12	-8	345.00	13:48:22
700.E	-13	-10	315.00	13:45:17
725.E	-15	-7	316.00	13:41:41
750.E	-18	-8	302.00	13:38:03

 EDITED DATA FILE --> seamon50.CLN

GRID: 1. LINE: 200.S FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
775.E	-23	-9	277.00	13:36:23
800.E	-26	-8	277.00	13:33:03
825.E	-24	-7	266.00	13:28:43
850.E	-26	-7	254.00	13:26:51
875.E	-29	-8	228.00	13:24:31
900.E	-25	-3	237.00	13:21:18

EDITED DATA FILE --> seamon50.CLN

GRID: 1. LINE: 0. FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
600.W	21	-0	220.00	15:43:43
575.W	20	-1	217.00	15:45:48
550.W	28	2	215.00	15:47:34
525.W	35	2	190.00	15:48:38
500.W	48	3	193.00	15:50:23
475.W	31	-0	212.00	15:53:50
450.W	33	0	203.00	15:55:44
425.W	39	-1	205.00	15:58:19
400.W	39	-0	192.00	16:00:29
375.W	41	-0	201.00	16:02:59
350.W	39	-2	196.00	16:04:44
325.W	52	1	191.00	16:06:17
300.W	57	2	194.00	16:08:12
275.W	51	2	214.00	16:10:16
250.W	46	2	212.00	16:12:35
225.W	55	0	210.00	16:14:31
200.W	46	2	223.00	16:16:59
175.W	47	3	225.00	16:19:17
150.W	48	5	222.00	16:22:05
125.W	48	7	235.00	16:24:30
100.W	44	8	244.00	16:27:02
75.W	42	10	251.00	16:29:50
50.W	46	12	237.00	16:31:57
25.W	39	7	266.00	16:33:56
0.	35	5	274.00	16:36:00

 EDITED DATA FILE --> seamon50.CLN

GRID: 1. LINE: 200.N FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
575.W	3	-4	211.00	17:24:35
550.W	3	-3	220.00	17:22:20
525.W	0	-7	193.00	17:20:16
500.W	5	-7	164.00	17:18:00
475.W	7	-5	175.00	17:15:17
450.W	10	-2	167.00	17:13:06
425.W	14	2	162.00	17:10:05
400.W	26	8	166.00	17:08:30
375.W	26	6	175.00	17:06:22
350.W	28	8	176.00	17:04:44
325.W	42	13	163.00	17:03:21
300.W	40	10	187.00	17:02:09
275.W	47	13	191.00	16:58:09
250.W	42	5	210.00	16:56:51
225.W	41	4	208.00	16:55:51
200.W	42	5	218.00	16:54:46
175.W	38	0	222.00	16:53:17
150.W	37	-0	219.00	16:52:16
125.W	34	0	212.00	16:50:57
100.W	40	1	212.00	16:49:35
75.W	41	2	209.00	16:47:54
50.W	50	4	204.00	16:46:17
25.W	55	6	219.00	16:44:11
0.	56	8	235.00	16:42:41
25.E	53	6	254.00	16:41:36

IGS EDITED DATA FILE SUMMARY   EDITED DATA FILE --> seatue50.CLN

GRID: 1. LINE: 400.N FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
600.W	11	-1	218.00	15:17:22
575.W	11	-3	208.00	15:19:02
550.W	20	-3	180.00	15:20:12
525.W	23	-0	179.00	15:21:37
500.W	40	5	141.00	15:25:52
475.W	42	12	162.00	15:29:57
450.W	49	11	180.00	15:33:14
425.W	54	7	174.00	15:35:20
400.W	47	7	194.00	15:38:42
375.W	52	5	192.00	15:41:37
350.W	44	3	209.00	15:44:11
325.W	43	2	223.00	15:46:22
300.W	43	-0	227.00	15:48:15
275.W	43	-2	229.00	15:49:37
250.W	42	-6	229.00	15:50:49
225.W	41	-8	223.00	15:51:39
200.W	43	-10	215.00	15:52:52
175.W	46	-11	217.00	15:55:59
150.W	49	-12	213.00	15:57:05
125.W	59	-15	196.00	15:58:33
100.W	69	-13	192.00	16:00:38
75.W	73	-13	215.00	16:03:47
50.W	81	-18	213.00	16:05:17
25.W	96	-20	209.00	16:06:58
0.	88	-8	283.00	16:09:26
25.E	74	-6	355.00	16:11:12
50.E	18	-0	418.00	16:12:48
75.E	43	3	330.00	16:15:10
100.E	32	3	314.00	11:01:11
125.E	31	8	301.00	11:02:58
150.E	38	12	277.00	11:04:44
175.E	45	17	265.00	11:06:46
200.E	55	20	294.00	11:09:47
225.E	53	17	331.00	11:14:32
250.E	48	13	429.00	11:16:38
275.E	28	9	467.00	11:18:58
300.E	16	6	456.00	11:21:21
325.E	-3	2	415.00	11:23:29
350.E	-30	-0	390.00	11:25:59

IGSEDIT Summary Page 2 EDITED DATA FILE --> seatue50.CLN

GRID: 1. LINE: 400.N FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
375.E	-17	-6	351.00	11:28:46
400.E	-21	-7	334.00	11:30:31
425.E	-21	-8	314.00	11:33:06
450.E	-24	-10	291.00	11:36:14
475.E	-26	-11	287.00	11:37:50
500.E	-22	-9	295.00	11:40:09
525.E	-26	-8	292.00	11:41:48
550.E	-53	-16	237.00	11:43:32
575.E	-28	-11	240.00	11:45:31
600.E	-25	-8	235.00	11:48:34
625.E	-24	-11	209.00	11:49:21
650.E	-26	-9	246.00	11:50:53
675.E	-24	-8	240.00	11:54:10
700.E	-21	-5	236.00	11:56:25
725.E	-34	-9	229.00	11:58:52
750.E	-38	-5	222.00	12:00:52
775.E	-41	-4	225.00	12:02:38
800.E	-52	-9	188.00	12:04:44
825.E	-43	-4	188.00	12:05:54
850.E	-42	-8	191.00	12:08:51
875.E	-54	-8	200.00	12:11:31
900.E	-27	-9	186.00	12:14:52
925.E	-29	-8	180.00	12:17:43
950.E	-21	-6	202.00	12:20:45

GRID: 1. LINE: 600.N FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
600.W	3	-8	200.00	15:10:00
575.W	11	-9	178.00	15:08:16
550.W	12	-7	181.00	15:05:54
525.W	18	-4	173.00	15:03:10
500.W	27	0	171.00	14:59:49
475.W	33	3	180.00	14:58:11
450.W	45	3	171.00	14:56:56
425.W	45	6	195.00	14:55:29
400.W	47	6	203.00	14:54:03
375.W	45	3	222.00	14:52:57
350.W	49	3	227.00	14:51:58
325.W	53	2	239.00	14:50:46
300.W	53	2	241.00	14:49:37
275.W	50	4	220.00	14:48:28
250.W	75	12	241.00	14:47:00
225.W	64	16	282.00	14:33:04
200.W	57	9	293.00	14:31:40
175.W	41	8	312.00	14:30:39
150.W	44	9	306.00	14:29:08
125.W	41	8	325.00	14:28:08
100.W	41	7	328.00	14:26:52
75.W	46	6	315.00	14:25:32
50.W	35	8	333.00	14:24:34
25.W	36	9	357.00	14:23:45
0.	34	9	359.00	14:22:40
25.E	32	9	357.00	14:18:47
50.E	27	6	385.00	14:17:47
75.E	25	4	395.00	14:16:43
100.E	19	1	388.00	14:15:39
125.E	15	1	403.00	14:14:34
150.E	8	-2	389.00	14:13:27
175.E	4	-3	413.00	14:12:17
200.E	0	-1	415.00	14:11:02
225.E	-4	0	424.00	14:09:24
250.E	-16	-0	430.00	14:07:47
275.E	-22	-2	393.00	14:04:19
300.E	-33	-5	341.00	14:02:55
325.E	-24	-1	288.00	14:01:38
350.E	-19	3	299.00	14:00:03
375.E	-15	2	288.00	13:58:42
400.E	-26	-1	296.00	13:57:02
425.E	-31	-5	273.00	13:55:33
450.E	-33	-9	247.00	13:53:48
475.E	-34	-8	242.00	13:52:13
500.E	-32	-6	244.00	13:51:19
525.E	-28	-5	236.00	13:50:16
550.E	-26	-3	239.00	13:49:22
575.E	-21	-3	236.00	13:48:15
600.E	-16	-2	228.00	13:47:01
625.E	-17	-1	241.00	13:45:59
650.E	-18	-2	231.00	13:44:54
675.E	-19	-4	226.00	13:42:58
700.E	-22	-6	216.00	13:40:46
725.E	-21	-5	241.00	13:37:53
750.E	-22	-3	229.00	13:35:27

IGSEDIT Summary Page 4 EDITED DATA FILE --> seatue50.CLN

GRID: 1. LINE: 600.N FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
775.E	-20	-3	237.00	13:31:08
800.E	-25	-5	234.00	13:26:53
825.E	-31	-6	225.00	13:23:24
850.E	-34	-7	220.00	13:19:15
875.E	-31	-5	206.00	13:14:31
900.E	-29	-5	208.00	13:12:34

IGS EDITED DATA FILE SUMMARY   EDITED DATA FILE --> seawed50.CLN

GRID: 1. LINE: 0. FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
0.	36	4	293.00	12:18:03
25.E	31	-0	304.00	12:16:42
50.E	21	-6	313.00	12:15:39
75.E	13	-11	304.00	12:14:26
100.E	9	-12	282.00	12:12:56
125.E	12	-11	269.00	12:11:29
150.E	14	-7	252.00	12:09:47
175.E	26	-0	244.00	12:08:21
200.E	29	5	256.00	12:06:43
225.E	30	8	276.00	12:05:31
250.E	31	11	295.00	12:03:15
275.E	31	12	309.00	12:01:17
300.E	32	12	327.00	11:59:54
325.E	29	13	337.00	11:58:29
350.E	28	15	351.00	11:57:20
375.E	27	13	367.00	11:55:41
400.E	19	11	365.00	11:54:10
425.E	17	9	373.00	11:51:34
450.E	7	5	380.00	11:49:53
475.E	2	-1	359.00	11:47:49
500.E	-3	-5	370.00	11:44:11
525.E	-4	-8	340.00	11:40:45
550.E	-10	-9	327.00	11:38:05
575.E	-16	-11	294.00	11:23:22
600.E	-18	-9	300.00	11:19:24
625.E	-20	-7	290.00	11:16:42
650.E	-22	-9	279.00	11:14:39
675.E	-22	-7	262.00	11:11:25
700.E	-21	-6	252.00	11:08:30
725.E	-19	-4	248.00	11:06:17
750.E	-21	-6	251.00	11:04:08
775.E	-24	-7	240.00	11:01:02
800.E	-23	-7	231.00	10:58:34
825.E	-24	-8	228.00	10:55:50
850.E	-27	-11	208.00	10:53:02
875.E	-22	-11	202.00	10:50:57
900.E	-20	-11	202.00	10:48:27

 EDITED DATA FILE --> seawed50.CLN

GRID: 1. LINE: 200.N FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
0.	54	5	264.00	12:23:31
25.E	48	6	277.00	12:26:36
50.E	47	7	287.00	12:28:34
75.E	44	6	291.00	12:31:33
100.E	39	5	292.00	12:35:04
125.E	34	1	303.00	12:38:28
150.E	38	2	305.00	12:39:59
175.E	35	2	315.00	12:41:22
200.E	32	4	318.00	12:42:35
225.E	37	8	342.00	12:43:52
250.E	36	9	372.00	12:44:56
275.E	26	10	373.00	12:46:19
300.E	31	13	352.00	12:48:42
325.E	19	11	391.00	12:51:25
350.E	13	7	398.00	12:52:50
375.E	6	4	384.00	12:54:01
400.E	1	2	379.00	12:55:24
425.E	-3	-1	370.00	12:57:08
450.E	-7	-4	362.00	12:58:38
475.E	-8	-7	334.00	13:00:18
500.E	-14	-10	327.00	13:03:35
525.E	-20	-10	322.00	13:06:21
550.E	-18	-9	311.00	13:08:20
575.E	-14	-9	301.00	13:10:57
600.E	-17	-8	297.00	13:13:12
625.E	-17	-8	295.00	13:17:01
650.E	-20	-9	258.00	13:19:32
675.E	-20	-6	242.00	10:10:37
700.E	-21	-7	236.00	10:12:06
725.E	-15	-4	217.00	10:13:29
750.E	-17	-0	239.00	10:14:54
775.E	-15	0	243.00	10:17:08
800.E	-21	-4	233.00	10:18:46
825.E	-24	-7	219.00	10:20:30
850.E	-23	-8	209.00	10:21:51
875.E	-22	-8	206.00	10:23:28
900.E	-18	-8	200.00	10:25:19

IGSEDIT Summary Page 3 EDITED DATA FILE --> seawed50.CLN

GRID: 2. LINE: 500.S FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
250.W	27	15	260.00	18:01:52
225.W	25	14	264.00	18:04:15
200.W	26	14	261.00	18:07:52
175.W	24	12	271.00	18:09:49
150.W	23	8	268.00	18:11:22
125.W	18	7	273.00	18:12:59
100.W	20	7	269.00	18:14:39
75.W	20	6	265.00	18:16:23
50.W	16	5	275.00	18:17:44
25.W	15	3	271.00	18:20:34
0.	15	2	280.00	18:22:35

IGSEDIT Summary Page 4 EDITED DATA FILE --> seawed50.CLN

GRID: 2. LINE: 450.S FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
250.W	6	14	261.00	17:58:13
225.W	26	12	264.00	17:56:34
200.W	25	9	271.00	17:54:55
175.W	24	10	271.00	17:53:06
150.W	22	8	274.00	17:51:39
125.W	20	6	272.00	17:50:23
100.W	19	5	274.00	17:49:17
75.W	16	4	276.00	17:48:03
50.W	14	3	283.00	17:46:45
25.W	13	1	285.00	17:45:13
0.	11	0	284.00	17:43:18

IGSEDIT Summary Page 2 EDITED DATA FILE --> seathu50.CLN

GRID: 2. LINE: 250.S FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
250.W	46	7	247.00	16:16:25
225.W	47	7	250.00	16:18:11
200.W	52	10	267.00	16:20:09
175.W	38	5	277.00	16:22:22
150.W	29	2	278.00	16:24:17
125.W	31	-0	286.00	16:26:09
100.W	24	1	282.00	16:28:16
75.W	24	-0	284.00	16:31:25
50.W	22	-0	290.00	16:32:51
25.W	26	-1	286.00	16:34:18
0.	18	-2	300.00	16:36:15

IGSEDIT Summary Page 3 EDITED DATA FILE --> seathu50.CLN

GRID: 3. LINE: 1250.N FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
300.W	2	-6	245.00	16:49:14
275.W	3	-3	249.00	16:50:10
250.W	6	-2	268.00	16:50:58
225.W	-0	-6	261.00	16:51:49
200.W	0	-9	242.00	16:52:47
175.W	-1	-7	270.00	16:53:56
150.W	-2	-8	260.00	16:55:01
125.W	0	-0	271.00	16:56:09
100.W	-16	4	274.00	16:57:21
75.W	-25	3	241.00	16:58:24
50.W	-19	6	237.00	16:59:16
25.W	-25	1	224.00	17:00:15
0.	-25	0	194.00	17:01:34
25.E	-16	2	196.00	17:02:25

IGSEDIT Summary Page 4 EDITED DATA FILE --> seathu50.CLN

GRID: 3. LINE: 1300.N FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
375.W	-6	-5	220.00	17:23:02
350.W	-0	-4	222.00	17:21:33
325.W	3	-5	220.00	17:20:31
300.W	3	-6	220.00	17:19:30
275.W	7	-4	226.00	17:18:25
250.W	7	-2	242.00	17:17:16
225.W	-0	-3	261.00	17:15:46
200.W	-2	-1	263.00	17:14:12
175.W	-7	1	266.00	17:12:48
150.W	-11	8	267.00	17:11:32
125.W	-20	10	267.00	17:10:14
100.W	-37	3	219.00	17:09:17
75.W	-27	2	202.00	17:08:17
50.W	-25	-0	210.00	17:07:12
25.W	-21	-1	184.00	17:05:45
0.	-18	1	186.00	17:04:32

IGS EDITED DATA FILE SUMMARY   EDITED DATA FILE --> seafr250.CLN

GRID: LINE: 1 24.8KH FREQUENCY: EX V1 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
Station	Vert IP	Vert Q	or Fld	: :
300.W	2	-6	231.00	09:52:35
275.W	11	-2	258.00	09:54:14
250.W	5	4	298.00	09:57:16
225.W	-23	3	278.00	09:58:19
200.W	-29	3	246.00	09:59:27
175.W	-20	3	240.00	10:00:21
150.W	-17	8	235.00	10:01:20
125.W	-21	6	247.00	10:02:20
100.W	-25	1	212.00	10:03:25
75.W	-21	1	203.00	10:04:19
50.W	-11	3	200.00	10:05:08
25.W	-14	2	201.00	10:06:11
0.	-11	4	203.00	10:07:03

 EDITED DATA FILE --> seafr250.CLN

GRID: 3. LINE: 1400.N FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
300.W	-0	-7	236.00	10:24:20
275.W	5	-5	245.00	10:23:06
250.W	2	-4	262.00	10:21:47
225.W	4	-1	279.00	10:20:02
200.W	-2	1	299.00	10:18:23
175.W	-49	0	230.00	10:17:02
150.W	-32	4	208.00	10:16:02
125.W	-19	6	223.00	10:15:05
100.W	-21	3	206.00	10:13:38
75.W	-21	2	196.00	10:12:40
50.W	-9	4	199.00	10:10:42
25.W	-2	5	216.00	10:09:34
0.	1	4	217.00	10:08:31

 EDITED DATA FILE ---> seafr250.CLN

GRID: 3. LINE: 1450.N FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
300.W	-2	-2	241.00	10:27:58
275.W	0	-3	246.00	10:29:03
250.W	-4	-0	250.00	10:30:12
225.W	-5	1	260.00	10:31:21
200.W	-10	1	257.00	10:36:40
175.W	-14	4	242.00	10:37:27
150.W	-16	2	229.00	10:38:21
125.W	-23	-0	217.00	10:39:14
100.W	-19	1	208.00	10:40:33
75.W	-7	3	206.00	10:41:26
50.W	-6	3	210.00	10:42:20
25.W	-5	1	227.00	10:43:03
0.	-10	-0	220.00	10:43:52

IGSEDIT Summary Page 5 EDITED DATA FILE --> seawed50.CLN

GRID: 2. LINE: 400.S FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
250.W	29	12	267.00	17:20:00
225.W	28	10	264.00	17:22:41
200.W	26	8	269.00	17:24:49
175.W	25	7	261.00	17:26:47
150.W	22	5	273.00	17:28:05
125.W	19	3	279.00	17:29:07
100.W	19	2	279.00	17:30:25
75.W	18	1	282.00	17:32:09
50.W	14	0	284.00	17:33:32
25.W	12	-0	276.00	17:35:16
0.	13	-1	283.00	17:38:05

 EDITED DATA FILE --> seawed50.CLN

GRID: 2. LINE: 350.S FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
250.W	33	11	259.00	17:14:46
225.W	30	9	258.00	17:12:42
200.W	28	8	264.00	17:10:54
175.W	28	7	265.00	17:08:48
150.W	25	5	273.00	17:06:55
125.W	22	2	302.00	17:04:14
100.W	18	-0	284.00	17:02:28
75.W	16	-0	284.00	17:00:45
50.W	14	-1	284.00	16:59:10
25.W	14	-1	289.00	16:57:53
0.	14	-8	109.00	16:54:30
0.	13	-3	255.00	16:55:28

IGSEDIT Summary Page 7 EDITED DATA FILE --> seawed50.CLN

GRID: 2. LINE: 300.S FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
275.W	0	0	0.03	23:26:42
250.W	-4	4	117.00	19:20:25
225.W	-4	4	115.00	19:19:58
200.W	-9	4	115.00	19:19:41
175.W	-6	3	122.00	19:19:24
150.W	-16	4	117.00	19:19:06
125.W	-15	4	119.00	19:18:47
100.W	-13	4	118.00	19:18:28
75.W	2	2	177.00	19:18:08
50.W	-22	5	90.10	19:17:43
25.W	-8	4	120.00	19:17:17
0.	-4	4	127.00	19:16:54

IGSEDIT Summary Page 8 EDITED DATA FILE --> seawed50.CLN

GRID: 2. LINE: 200.N FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
25.W	18	-1	295.00	15:50:14
0.	17	-2	297.00	15:46:20
675.E	18	-2	301.00	15:43:36

IGSEDIT Summary Page 9 EDITED DATA FILE --> seawed50.CLN

GRID: 2. LINE: 250.N FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
250.W	44	6	248.00	16:14:27
250.W	38	5	253.00	16:19:18
225.W	46	7	257.00	16:12:26
225.W	36	5	263.00	16:21:57
200.W	52	10	273.00	16:10:39
200.W	34	4	264.00	16:24:34
175.W	37	5	289.00	16:08:46
175.W	32	5	277.00	16:27:17
150.W	27	2	284.00	16:06:34
150.W	27	3	277.00	16:32:35
125.W	24	0	289.00	16:02:58
125.W	23	1	282.00	16:34:33
100.W	24	1	289.00	16:00:20
100.W	22	0	283.00	16:36:53
75.W	21	0	290.00	15:56:57
75.W	19	-1	288.00	16:38:42
50.W	20	-0	291.00	15:55:07
50.W	17	-2	286.00	16:40:55
25.W	16	-3	286.00	16:42:40
0.	15	-3	288.00	16:44:05

IGS EDITED DATA FILE SUMMARY   EDITED DATA FILE --> seathu50.CLN

GRID: 2. LINE: 300.S FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
250.W	42	8	244.00	16:12:48
225.W	42	7	247.00	16:11:10
200.W	37	5	254.00	16:09:21
175.W	36	5	268.00	16:07:43
150.W	29	4	272.00	16:04:47
125.W	26	2	270.00	16:03:14
100.W	-1	1	273.00	16:02:02
75.W	22	-0	270.00	16:00:13
50.W	19	-1	280.00	15:59:03
25.W	18	-2	281.00	15:57:57
0.	16	-2	287.00	15:56:45

 EDITED DATA FILE --> seafr250.CLN

GRID: 3. LINE: 1500.N FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
300.W	-8	-4	235.00	10:57:19
275.W	-4	-2	227.00	10:56:20
250.W	-4	-0	242.00	10:55:26
225.W	-6	0	235.00	10:54:40
200.W	-10	-1	238.00	10:53:55
175.W	-39	-2	229.00	10:53:05
150.W	-6	0	224.00	10:52:14
125.W	-13	0	228.00	10:51:30
100.W	-13	0	218.00	10:50:32
75.W	-8	0	203.00	10:49:36
50.W	-6	0	212.00	10:48:23
25.W	-2	1	223.00	10:47:23
0.	-10	-2	232.00	10:45:57

IGSEDIT Summary Page 5 EDITED DATA FILE --> seafr250.CLN

GRID: 3. LINE: 1550.N FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
300.W	-5	-2	232.00	11:00:04
275.W	-10	-2	232.00	11:01:07
250.W	-6	-2	229.00	11:01:50
225.W	-9	-2	230.00	11:02:34
200.W	-3	-0	225.00	11:03:20
175.W	-6	-2	224.00	11:04:28
150.W	-5	-2	223.00	11:04:54
125.W	-3	-0	221.00	11:05:39
100.W	-6	-1	227.00	11:06:39
75.W	-28	-6	218.00	11:07:21
50.W	-2	-4	187.00	11:09:06
25.W	-8	-2	208.00	11:09:53
0.	-6	-3	216.00	11:10:38
25.E	-7	-3	209.00	11:11:44
50.E	-10	-3	205.00	11:12:38

IGSEDIT Summary Page 6 EDITED DATA FILE --> seafr250.CLN

GRID: 3. LINE: 1600.N FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
300.W	-6	-0	222.00	11:31:26
275.W	-5	1	228.00	11:30:11
250.W	-5	-2	235.00	11:29:21
225.W	-13	-5	227.00	11:28:05
200.W	-2	-0	228.00	11:26:29
175.W	-5	-6	222.00	11:24:42
175.W	-4	-6	221.00	11:25:07
150.W	-8	-4	227.00	11:23:51
125.W	-10	-5	224.00	11:22:41
100.W	-8	-7	225.00	11:21:38
75.W	-6	-4	225.00	11:20:39
50.W	-7	-2	219.00	11:19:50
25.W	-9	-5	207.00	11:18:52
0.	-1	-2	216.00	11:16:42
25.E	0	-3	222.00	11:15:42
50.E	-5	-4	211.00	11:14:18

GRID: 3. LINE: 1650.N FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
300.W	-6	-4	221.00	11:33:18
275.W	-9	-4	221.00	11:34:13
250.W	-10	-6	212.00	11:35:02
225.W	-6	-5	196.00	11:36:13
200.W	-3	-4	205.00	11:37:30
175.W	-6	-4	231.00	11:38:29
150.W	-5	-3	220.00	11:39:28
125.W	-7	-3	233.00	11:40:17
100.W	-10	-4	224.00	11:41:01
75.W	-9	-4	218.00	11:41:54
50.W	-9	-2	218.00	11:42:34
25.W	-10	-3	215.00	11:43:15
0.	-10	-5	211.00	11:44:07
25.E	-7	-4	207.00	11:44:50
50.E	2	-3	187.00	11:45:38

IGSEDIT Summary Page 8 EDITED DATA FILE --> seafr250.CLN

GRID: 3. LINE: 2050.N FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
500.W	8	11	250.00	12:56:02
475.W	0	9	252.00	12:56:49
450.W	-6	10	232.00	12:57:37
425.W	-10	3	223.00	12:58:39
400.W	-5	3	226.00	12:59:25
375.W	-8	2	225.00	13:00:24
350.W	-9	-0	224.00	13:01:27
325.W	-8	-0	227.00	13:02:14
300.W	-11	-3	225.00	13:02:58
275.W	-9	-4	222.00	13:03:51
250.W	-7	-2	209.00	13:04:34
225.W	-5	-2	224.00	13:06:46
200.W	-12	-5	216.00	13:07:38

IGSEDIT Summary Page 9 EDITED DATA FILE --> seafr250.CLN

GRID: 3. LINE: 2100.N FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
225.W	-8	-5	216.00	13:10:36
200.W	-21	-9	180.00	13:09:31

IGSEDIT Summary Page 10 EDITED DATA FILE --> seafr250.CLN

GRID: 3. LINE: 2150.N FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
500.W	-10	7	241.00	12:52:32
475.W	-15	8	234.00	12:51:46
450.W	-8	10	240.00	12:50:12
425.W	-17	10	218.00	12:49:13
400.W	-9	10	216.00	12:48:19
375.W	-12	4	218.00	12:47:16
350.W	-9	3	213.00	12:46:35
325.W	-10	1	214.00	12:45:53
300.W	-8	-0	213.00	12:44:53
275.W	-4	-0	216.00	12:44:05
250.W	-3	0	213.00	12:42:47
225.W	-3	-0	213.00	12:41:49
200.W	-5	-2	212.00	12:40:49

IGSEDIT Summary Page 11 EDITED DATA FILE --> seafr250.CLN

GRID: 3. LINE: 2200.N FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
500.W	-25	-1	229.00	12:24:44
475.W	-26	2	242.00	12:25:34
450.W	-29	3	215.00	12:26:32
425.W	-19	5	206.00	12:28:00
400.W	-13	8	210.00	12:29:37
375.W	-11	8	212.00	12:31:30
350.W	-6	6	221.00	12:33:15
325.W	-7	2	219.00	12:34:41
300.W	-0	2	204.00	12:35:29
275.W	-4	1	220.00	12:36:13
250.W	-4	0	216.00	12:36:57
225.W	-7	-3	219.00	12:37:52
200.W	-3	-2	212.00	12:38:29

 EDITED DATA FILE --> seafr250.CLN

GRID: 3. LINE: 2250.N FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
475.W	-47	-13	193.00	13:33:10
450.W	-33	-2	195.00	13:32:09
425.W	-25	2	201.00	13:30:53
400.W	-16	5	199.00	13:29:28
375.W	-5	8	195.00	13:27:37
350.W	-5	6	217.00	13:26:29
325.W	-6	5	215.00	13:25:27
300.W	-5	2	217.00	13:24:21
275.W	-5	2	215.00	13:23:21
250.W	-2	-4	208.00	13:20:16
250.W	-4	-0	225.00	13:22:22
225.W	-2	-1	208.00	13:18:49
225.W	-6	-3	211.00	13:21:30
200.W	2	-2	198.00	13:17:53
200.W	-5	-4	215.00	13:20:40

 EDITED DATA FILE --> seafr250.CLN

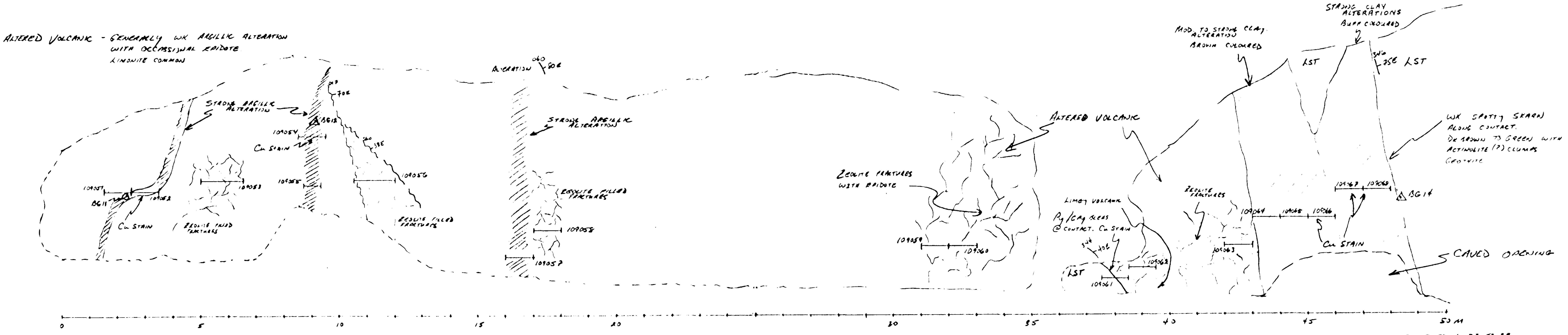
GRID: 3. LINE: 2300.N FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
500.W	2	19	196.00	13:34:50
500.W	-76	92	66.10	13:38:38
450.W	-51	109	66.20	13:39:23
425.W	-25	-0	196.00	13:44:00
400.W	-24	-4	202.00	13:44:48
375.W	-17	1	190.00	13:46:30
350.W	-7	3	204.00	13:47:14
325.W	-4	3	207.00	13:48:27
300.W	-3	5	211.00	13:49:22
275.W	-3	4	219.00	13:50:23
250.W	-5	1	216.00	13:51:20
225.W	-2	0	211.00	13:52:05
200.W	-8	-2	214.00	13:52:50

 EDITED DATA FILE --> seafr250.CLN

GRID: 3. LINE: 2400.N FREQUENCY: 24.8 KHz

STATION	V-IP	V-QUAD	H-FLD	TIME
350.W	40	36	66.70	14:08:15
325.W	-24	-7	113.00	14:05:54
300.W	-11	-0	188.00	14:04:41
275.W	-4	0	207.00	14:03:06
250.W	-6	0	206.00	14:01:30
225.W	-9	-0	212.00	13:59:31
200.W	-7	-3	213.00	13:58:39



GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,387

ASSAYS

Sample Number	Cu ppm	Zn ppm	Au ppb
109051	8498	109	2
109052	2536	30	5
109053	209	60	1
109054	10601	64	11
109055	4837	38	1
109056	424	46	1
109057	646	64	1
109058	11824	74	11
109059	180	68	3
109060	251	87	1
109061	7899	72	6
109062	147	95	2
109063	117	68	1
109064	269	203	8
109065	1831	146	15
109066	9161	107	9
109067	3240	168	1
109068	5786	104	7

LEGEND

△ - Previous Sample Locations (Shangri-La Minerals Ltd. - 1987)

1000 - Sample Location, Width, Number (Daiwan Engineering Ltd. - 1989)

SCALE 1:100

0 1 2 3 4 5

meters

BLUE GROUSE PROJECT

NIC NIK RESOURCES LTD.

SUNNYSIDE SHOWING
SECTION

SCALE	1:100	DATE	MAY, 1989
NTS	92C/16E	FIG.	7

DAIWAN ENGINEERING LTD.

900 E
800 E
700 E
600 E
500 E
400 E
300 E
200 E
100 E
B.L. 140° AZ
100 W
200 W
300 W
400 W
500 W
600 W
6 N
4 N
2 N
0
2 S
4 S
6 S
8 S
10 S
12 S
14 S
16 S
18 S
SOUTH WEST GRID
LEGEND
Cu | Zn | Mn
As | Au | Ag
Values below : 60 100 1000 Cu ppm Zn ppm Mn ppm 10 10 5 As ppm Au ppb Ag ppm not plotted
SCALE 1: 5,000
0 50 100 200 300
METERS
GEOLOGICAL BRANCH
ASSESSMENT REPORT
19,387
BLUE GROUSE PROJECT
NIC NIK RESOURCES LTD.
SOUTH WEST GRID
GEOCHEMISTRY
SCALE 1: 5,000
DATE May, 1989
NTS 92 C/16 E
FIG. 8
DAIWAN ENGINEERING LTD.