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LOG NO: APR 0 8 1992 RD.
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GEOPHYSICAL AND DIAMOND DRILLING REPORT

ON THE

MARISA PROPERTY

Nanaimo Mining Division

British Columbia

SUB-RECORDER
RECEIVED
MAR 2 6 1992
M.R. # ..... $ .....
VANCOUVER, B.C.

NTS: 92L/11W and 12E

Latitude: 50° 40'N

Longitude: 127° 31'W

For

Great Western Gold Corporation
420, 475 Howe Street,
Vancouver, B.C.
V6C 2B3

By

Gordon J. Allen, P. Geol

And

Peter G. Dasler, M.Sc., P.Geo.

February 29, 1992

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,243

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SUMMARY

The Marisa property is located on northern Vancouver Island approximately 5km northwest of BHP-Utah's Island Copper Mine. It is underlain by andesitic volcanic rocks of the Bonanza Group and probably basalt of the Karmutsen Formation, which have been intruded by several phases of diorite and quartz diorite of the Jurassic Island Intrusions. A previous prospecting program identified disseminated chalcopyrite in the volcanic rocks, and disseminated and fracture-related pyrite, chalcopyrite and molybdenite in a quartz diorite on the Marisa 1 claim. The target of this phase of the exploration program was the mineralized quartz diorite.

Between December 10, 1991 and February 12, 1992, Daiwan Engineering Limited conducted an exploration program on the Marisa property on behalf of Great Western Gold Corporation. The program consisted of 20.6km of line cutting, 16.6km of magnetic survey, 12.3km of IP survey, and 376.43m of diamond drilling. The purpose of this program was to locate near surface material which could be used to augment mill feed at the nearby Island Copper Mine.

Very little bedrock exposure occurs on the Marisa 1 claim in the grid area. From a few outcrops located in creek beds it appears that the grid is largely underlain by quartz diorite or granodiorite in contact with andesitic volcanic rocks along the north part of the grid. The magnetic survey conducted during this program outlined a roughly 500m wide east-west trending zone of relatively low magnetic susceptibility which appears to correspond to the quartz diorite. The south part of the grid has a relatively high magnetic susceptibility. Subsequent drilling indicates that this magnetic high corresponds to Quatse diorite.

The quartz diorite exposed in a creek bed between 1+50W and 3+50W is mineralized with disseminated and fracture-controlled pyrite, chalcopyrite and molybdenite. It was hoped that an IP survey would outline the extent of this mineralization. The survey outlined a few areas of weak chargeability both in areas with relatively high and low magnetic susceptibilities (probably diorite and quartz diorite respectively), but failed to clearly define the area with known chalcopyrite mineralization. It is possible that a survey with a 50m dipole separation cannot identify zones with such a low sulphide content.

Diamond drilling on the property consisted of five holes which targeted both areas with known mineralization and zones with anomalous chargeability. Four holes were drilled along roughly 1.5km of the belt of relatively low magnetic susceptibility and intersected primarily quartz diorite in all cases. Holes M92-4 and M92-5, the easternmost and westernmost holes respectively, were generally barren with copper values averaging less than 20 ppm. The central two holes, M92-1

and M92-3, were drilled in the vicinity of the mineralized exposures along the creek. These holes intersected consistently weakly mineralized quartz diorite with disseminated and fracture-controlled pyrite (up to 1%), chalcopyrite (generally >0.1%) and molybdenite (traces). The upper part of M92-1 contained 0.17% (converted from ppm) copper across 16.17m. The highest copper values in M92-1 are within zones in which magnetite appears to have been altered to pyrite. Rock in these intervals has a paler appearance than normal and may have undergone weak argillic and/or sericitic alteration (thin section to come).

Hole M92-2 was drilled to test coincident magnetic and chargeability anomalies. The hole intersected Quatse diorite and crosscutting felsic dykes. Both units were barren.

The weak mineralization and sporadic alteration intersected in holes M92-1 and M92-3 are encouraging and suggest that the quartz diorite has the potential to host a porphyry copper deposit. IP data indicate, however, that it is unlikely a mineralized zone with a sulphide content significantly greater than that of the showings exists in the survey area. A target grade of 0.3% copper would require 1% chalcopyrite or double that occurring in the upper part of M92-1. It is conceivable that this type of material with little associated pyrite may occur in the area and that it would not produce a strong IP response.

It would be helpful to better define specific targets within the quartz diorite. It is unclear if the preliminary two line soil sample survey conducted in the previous program was able to 'see' through the overburden away from the creek, but it may be warranted to collect soil samples at 25m or perhaps 50m intervals on the present grid to better define targets.

It would also be of interest to extend the grid to the northeast to better cover the apparent quartz diorite - andesite contact area. A sample of massive pyrite and pyrrhotite skarn float was located 70m northeast of the baseline at 8+00W, suggesting that significant mineralization may occur along this contact.

The quartz diorite in the showings area requires further drill testing. An additional 300m in three or four holes northeast, southeast and southwest of M92-1 would help to define the limits of the known mineralization and/or indicate in which direction mineralization and alteration is becoming stronger.

A program of geological mapping, grid expansion, soil sampling, magnetic surveying, and 300m of drilling is recommended. The program is estimated to cost $77,000.

1.0 INTRODUCTION

The Marisa property is located on northern Vancouver Island approximately 5km northwest of BHP-Utah's Island Copper Mine. From previous programs it was known that the Marisa property was partially underlain by a chalcopyrite and molybdenite-bearing quartz diorite to granodiorite. At the request of Great Western Gold Corporation, Daiwan Engineering conducted an exploration program on the Marisa property, focusing on the mineralized quartz diorite.

The program consisted of 20.6km of line cutting, 16.6km of magnetic survey, 12.3 km of IP survey, and 376.43m of diamond drilling. Fieldwork was conducted between December 18, 1991 and February 12,1992.

The purpose of the program was to outline a block of mineralized rock with greater than of equal to 0.3% copper which could be accessed and mined at minimal cost to augment mill feed at the nearby Island Copper Mine.

2.0 PROPERTY LOCATION AND ACCESS

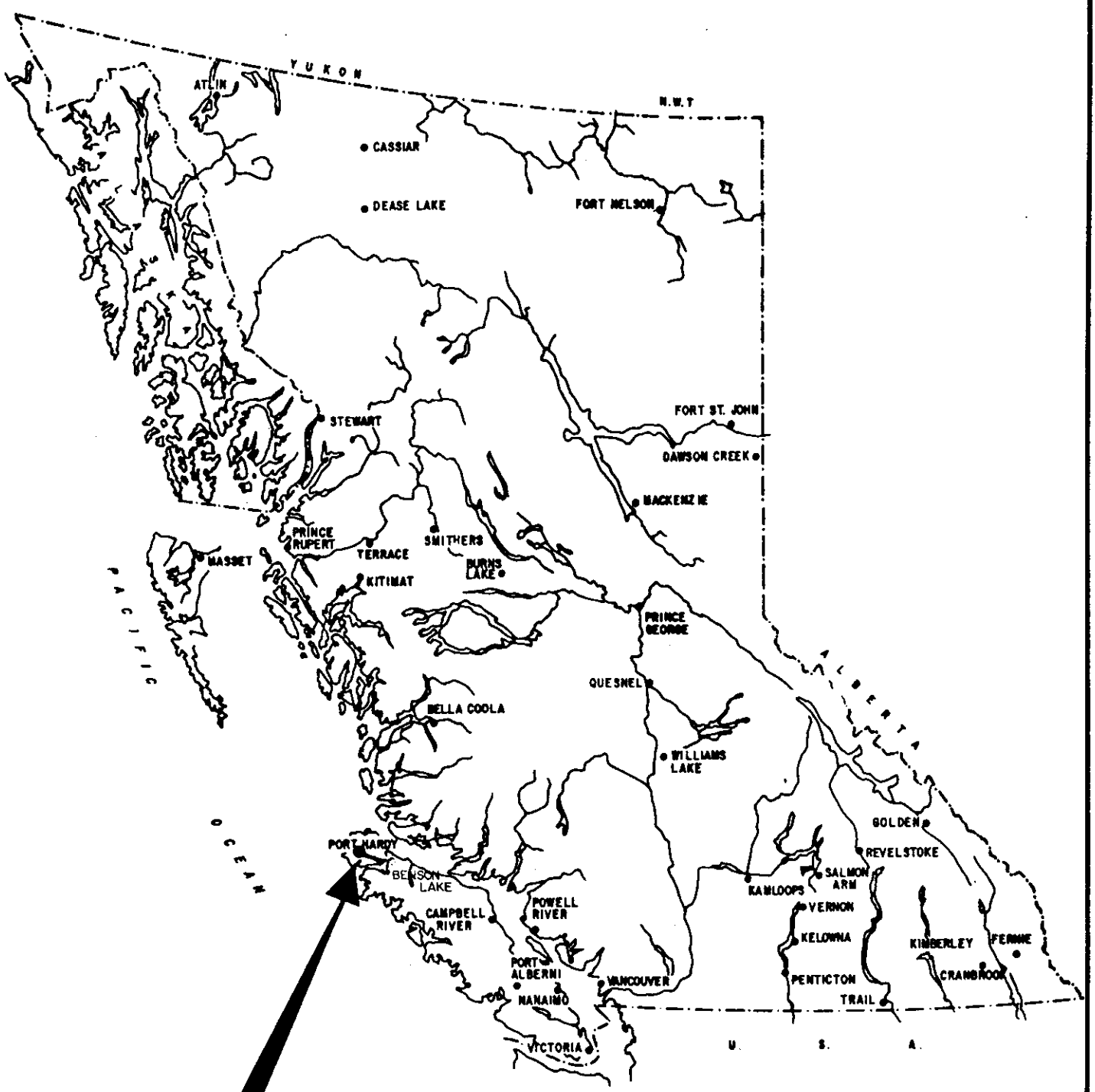
The Marisa Property is located on Northern Vancouver Island, on NTS map sheets 92L/11W and 12/E, at latitude 50°40'N, longitude 127°31W. It is roughly 5km south of Port Hardy. Port Hardy is the main commercial centre for Northern Vancouver Island. the town supports the local forestry industry and the nearby 55,000 tpd Island Copper Mine.

The property is crossed by the paved Port Hardy - Coal Harbour road, and covered by a system of inactive but passable logging roads giving good access to the claims.

3.0 PROPERTY TITLE

The property consists of 76 contiguous mineral claims located in the Nanaimo Mining Division. These claims are under option to Great Western Gold Corporation.

The claim locations are shown in Figure 2.



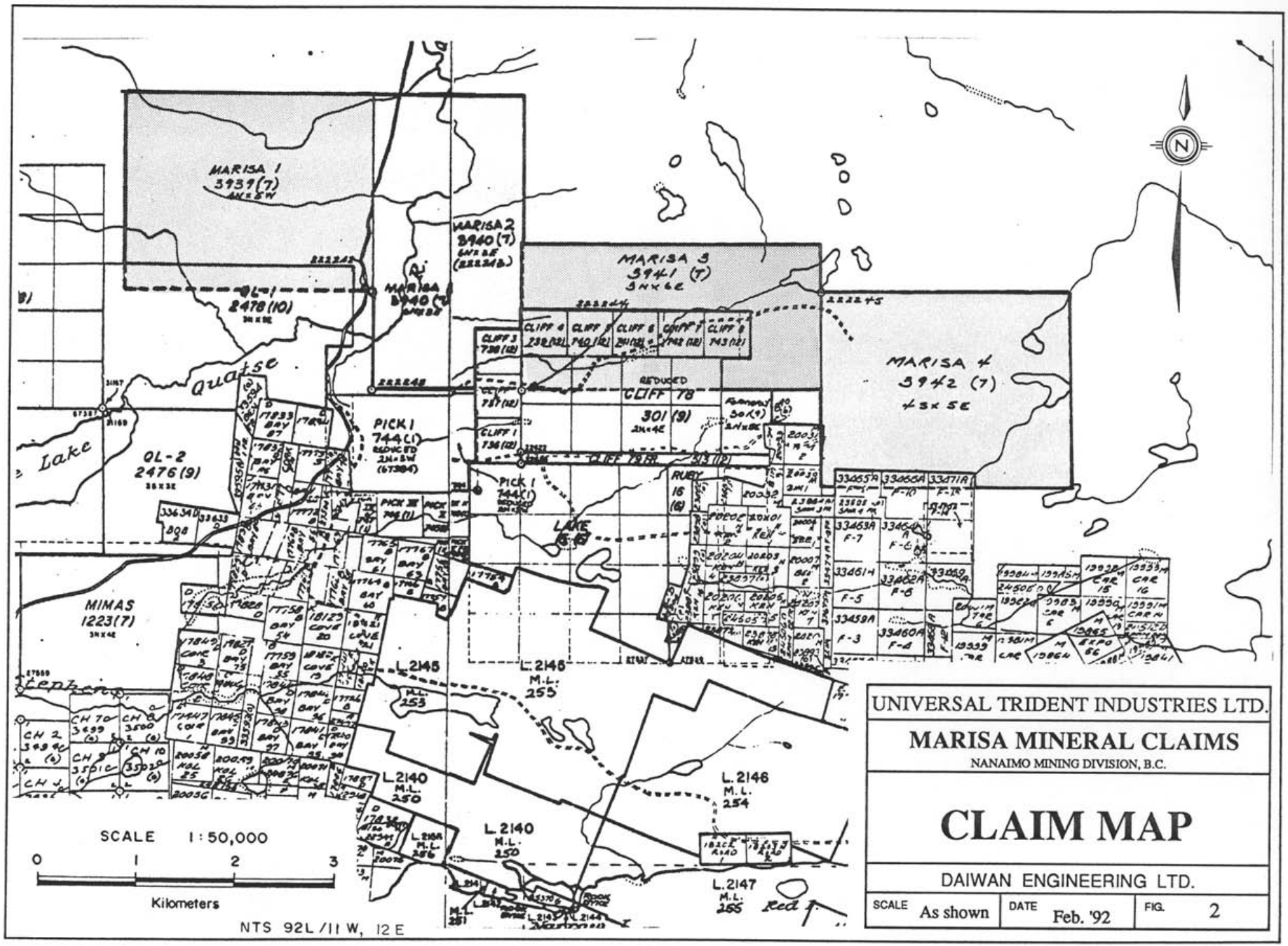
SCALE

0 100 200 300

kilometers

GREAT WESTERN GOLD CORP.		
MARISA PROJECT NANAIMO MINING DIVISION, B.C.		
LOCATION MAP		
DAIWAN ENGINEERING LTD.		
SCALE As Shown	DATE Feb. '92	FIG. 1

90-100-1-a



UNIVERSAL TRIDENT INDUSTRIES LTD.

MARISA MINERAL CLAIMS

NANAIMO MINING DIVISION, B.C.

CLAIM MAP

DAIWAN ENGINEERING LTD.

SCALE	DATE	FIG.
As shown	Feb. '92	2

CLAIM DATA

Name	Record No.	Units	Expiry Date	Registered Owner
Marisa 1	3939	20	July 25/92	Daiwan Eng. Ltd.*
Marisa 2	3940	18	"	Daiwan Eng. Ltd.
Marisa 3	3941	18	July 20/92	Daiwan Eng. Ltd.
Marisa 4	3942	20	"	Daiwan Eng. Ltd.
	Total	76		

* Daiwan holds the claims in trust for Universal Trident Industries Ltd.

4.0 PREVIOUS WORK

This area was mapped by Muller in the 1960's. Utah Mines Limited explored part of the property in the 1970's concentrating on the Bonanza Group volcanic rocks.

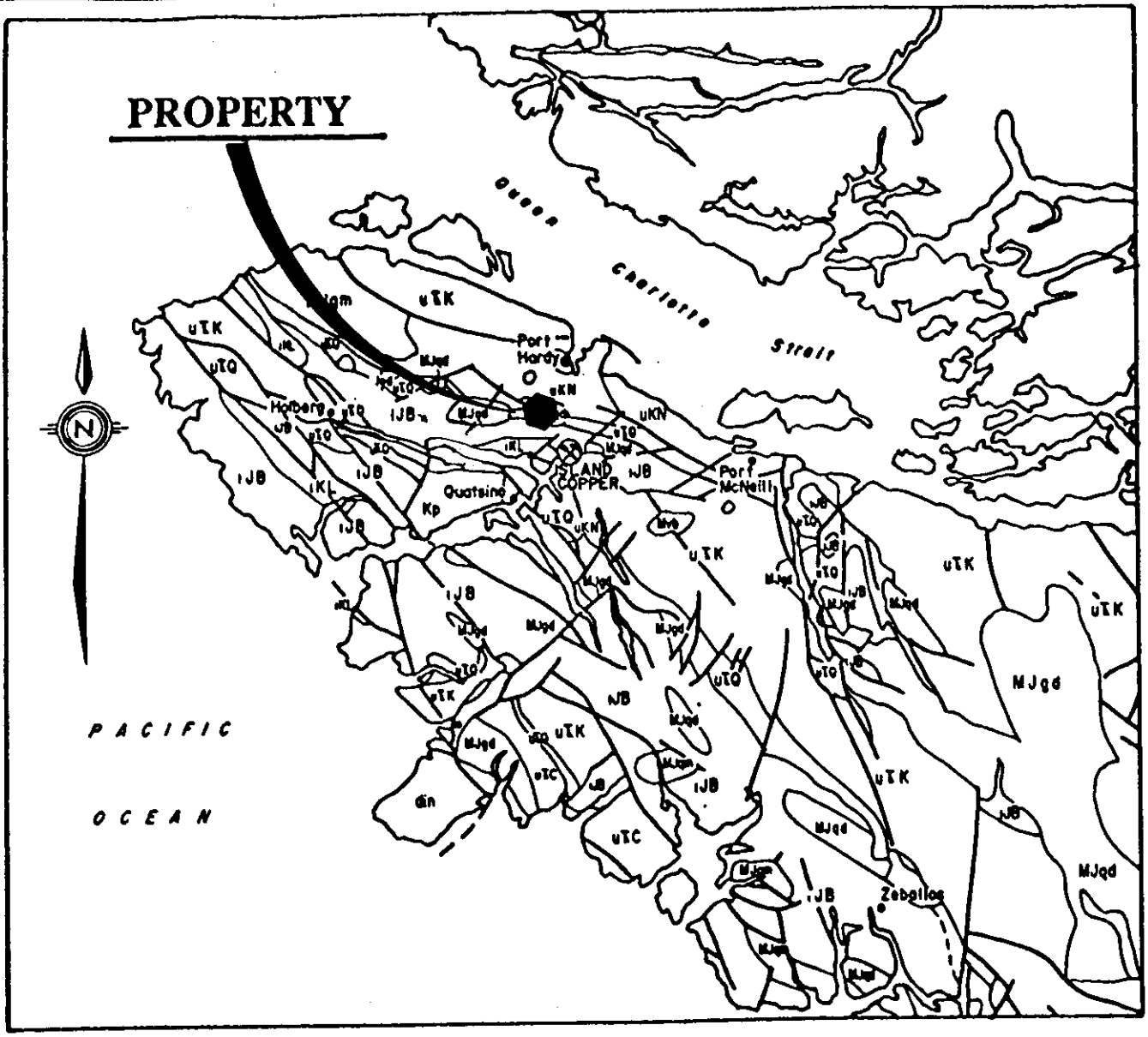
The Little Joe skarn showing, which is within but not covered by the Marisa 3 claim, was drilled by Energex in 1980 (AR11407). Short intervals of 1-2% copper were reported at a limestone-diorite contact.

A prospecting program conducted by Daiwan Engineering Limited in 1991 identified broad zones of low grade disseminated copper mineralization in the volcanic rocks on the property, and a copper and molybdenum-bearing quartz diorite on the Marisa 1 claim. This mineralized intermediate intrusion was not recognized in any previous mapping or exploration programs.

5.0 REGIONAL GEOLOGY

Vancouver Island north of Holberg and Rupert inlets is underlain by rocks of the Vancouver Group. These rocks range in age from Upper Triassic to Lower Jurassic. They are intruded by rocks of Jurassic and Tertiary age and disconformably overlain by Cretaceous sedimentary rocks. Figure 3 shows the regional geological mapping of the northern part of the Island.

Faulting is prevalent in the area. Large-scale faults with hundreds to thousands of metres of displacement are offset by younger, strike-slip faults with displacements up to 750 metres (2,500 ft.).



LEGEND

MIOCENE
- Mvb basalt flows,sills and dykes

UPPER CRETACEOUS, PALEOCENE,EOCENE
- Kp QUEEN CHARLOTTE GROUP: siltstone,shale,greywacke

UPPER CRETACEOUS
- uKN NANAIMO GROUP: sandstone,shale,conglomerate

LOWER CRETACEOUS
- iKL LONGARM:greywacke,conglomerate

JURASSIC
- Jgd granodiorite,quartz diorite

MIDDLE JURASSIC
- MJqm quartz monzonite,granite,monzonite
- MJgd granodiorite
- MJqd quartz diorite

LOWER JURASSIC
- IJB BONANZA;andesite,dacite,rhyolite

UPPER TRIASSIC
- uTQ QUATSINO and PARSON BAY: limestone,argillite
- uTK KARMUTSEN:basalt, pillow lava

SCALE

0 25 50

kilometers

GREAT WESTERN GOLD CORP.

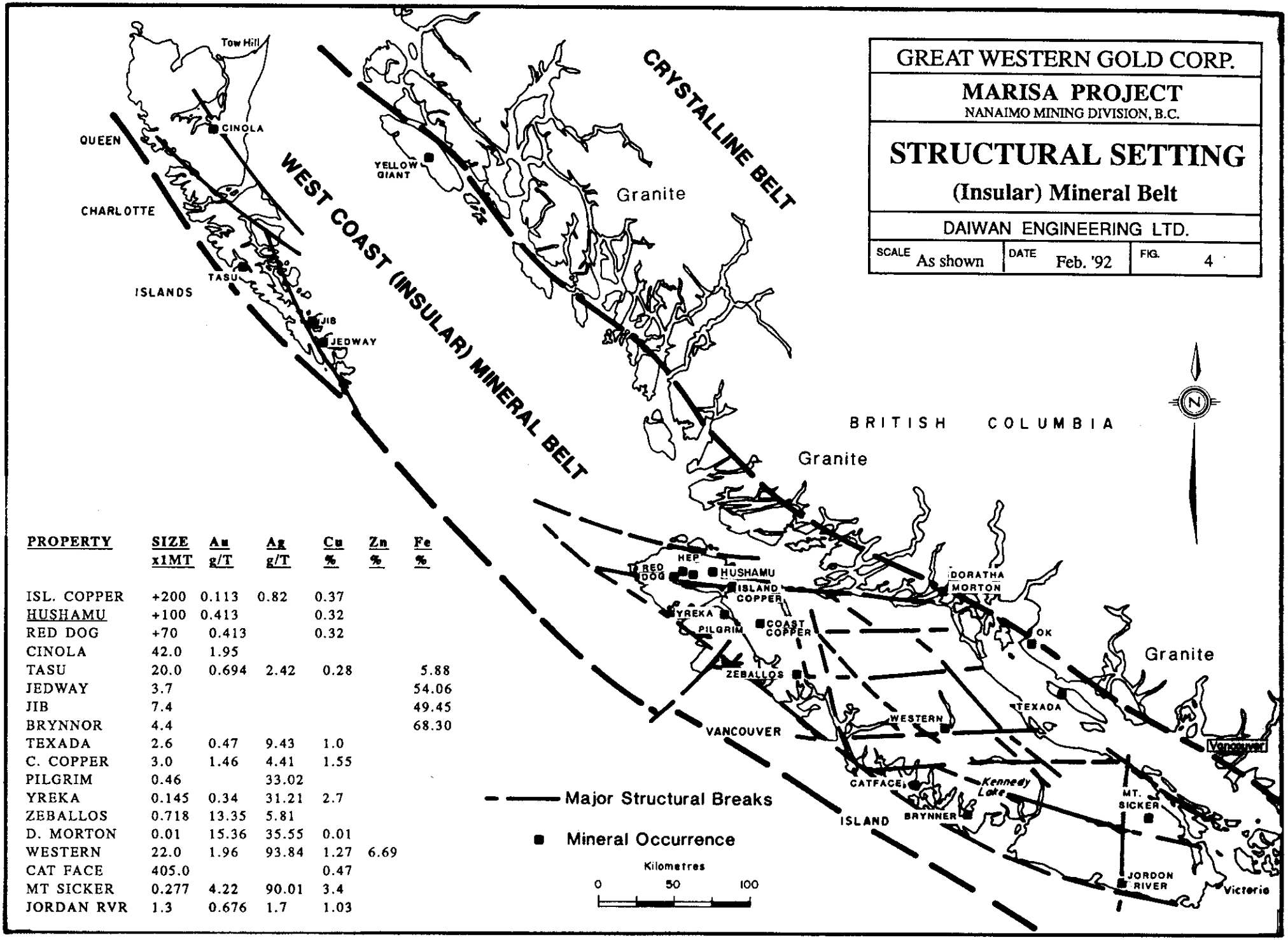
MARISA PROJECT

NANAIMO MINING DIVISION, B.C.

REGIONAL GEOLOGY

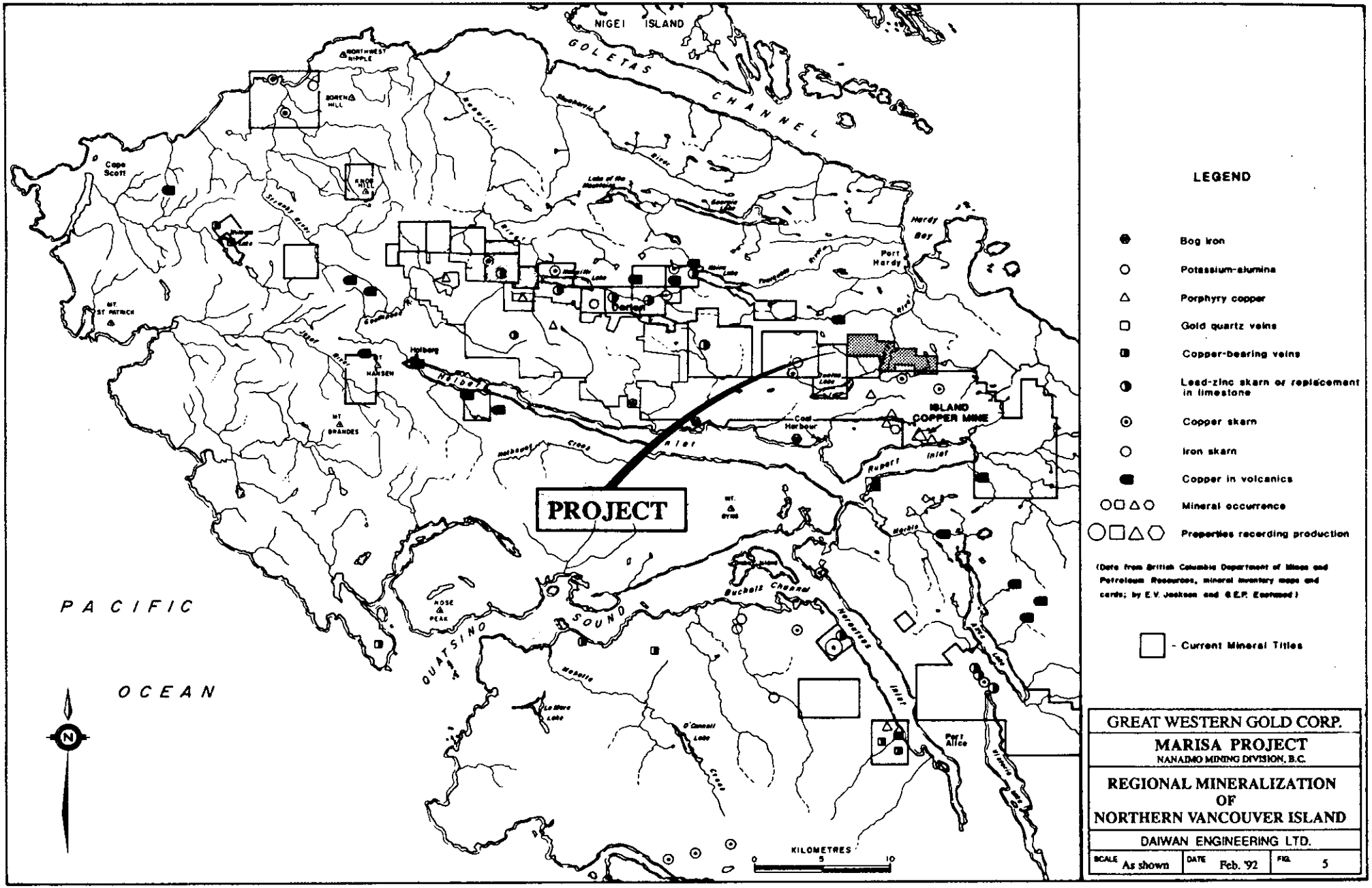
DAIWAN ENGINEERING LTD.

SCALE	DATE	FIG.
As Shown	Feb. '92	3



PROPERTY	SIZE x1MT	Au g/T	Ag g/T	Cu %	Zn %	Fe %
ISL. COPPER	+200	0.113	0.82	0.37		
HUSHAMU	+100	0.413		0.32		
RED DOG	+70	0.413		0.32		
CINOLA	42.0	1.95				
TASU	20.0	0.694	2.42	0.28		5.88
JEDWAY	3.7					54.06
JIB	7.4					49.45
BRYNNOR	4.4					68.30
TEXADA	2.6	0.47	9.43	1.0		
C. COPPER	3.0	1.46	4.41	1.55		
PILGRIM	0.46		33.02			
YREKA	0.145	0.34	31.21	2.7		
ZEBALLOS	0.718	13.35	5.81			
D. MORTON	0.01	15.36	35.55	0.01		
WESTERN	22.0	1.96	93.84	1.27	6.69	
CAT FACE	405.0			0.47		
MT SICKER	0.277	4.22	90.01	3.4		
JORDAN RVR	1.3	0.676	1.7	1.03		

90-100-5-0



LEGEND

- Bog iron
- Potassium-alumina
- Porphyry copper
- Gold quartz veins
- Copper-bearing veins
- Lead-zinc skarn or replacement in limestone
- Copper skarn
- Iron skarn
- Copper in volcanics
- Mineral occurrence
- Properties recording production

(Data from British Columbia Department of Mines and Petroleum Resources, mineral inventory maps and cards; by E.V. Jackson and G.E.P. Eastwood)

- Current Mineral Titles

GREAT WESTERN GOLD CORP.		
MARISA PROJECT NANAIMO MINING DIVISION, B.C.		
REGIONAL MINERALIZATION OF NORTHERN VANCOUVER ISLAND		
DAIWAN ENGINEERING LTD.		
SCALE As shown	DATE Feb. '92	FIG. 5

The Vancouver Group is described as follows:

(a)Karmutsen Formation: Upper Triassic Age

Karmutsen Formation consists of 3,000 - 6,000 metres (10-20,000 ft.) of volcanic flows, pyroclastics and minor sediments. It includes three distinct units: a lower pillow lava unit, a middle pillow breccia unit, and an upper lava flow unit. The latter consists of predominantly porphyritic and amygdaloidal basalt flows, individual flows of which range from 1-30 metres (to 100 ft.) thick.

Two thin bands of limestone occur near the top of the Karmutsen Formation. The distribution of limestone outcrops is erratic and suggests a series of lenses at the same general stratigraphy horizon rather than one continuous bed.

The lower contact of the formation has not been observed on the northern part of Vancouver Island. The upper contact with limestone of the Quatsino Formation is generally discrete and easily recognized, although limestones and basalt locally are interbedded over a narrow stratigraphic interval at this contact.

Low-grade metamorphism of the Karmutsen Formation rocks has resulted in pervasive chloritization and amygdules filled with epidote, carbonate, zeolite, prehnite, chlorite, and quartz.

Basaltic rocks along contacts with intrusive stocks are in many places altered to dark-coloured hornblende hornfels. Skarn zones occur sporadically along these contacts, both in the inter-lava limestones and in the basalts.

(b)Quatsino Formation: Upper Triassic Age

The Quatsino Formation ranges from 60-1,000 metres (2,000-3,500 ft.) in thickness and consists almost entirely of limestone with a few thin andesite or basalt flows. It has conformable contacts with both the overlying Parson Bay sediments and the underlying Karmutsen Formation volcanics. The upper contact with the Parson Bay Formation is gradational with limestone grading upward into carbonaceous argillites.

Within the contact metamorphic/metasomatic aureoles adjacent to intrusive stocks, skarn development and silicification of limestone, accompanied by chalcopyrite-magnetite or galena, sphalerite and silver mineralization has been noted.

(c)Parson Bay Formation: Upper Triassic Age

The Parson Bay Formation consists of between 60-360 metres (200-1,200 ft.) of argillite, minor limestone, agglomeratic and tuffaceous limestone, tuff, quartzite and minor conglomerate. At both its base and top, the unit exhibits gradational contacts with the Quatsino and Harbledown Formations.

On a regional scale, the rocks are unmetamorphosed. Locally, adjacent to intrusive contacts, there are pyrite-magnetite replacement bands up to one centimetre thick in banded tuffs.

(d)Harbledown Formation: Lower Jurassic Age

The Harbledown Formation consists of 485 metres (1,600 ft.), a non-volcanic argillite-greywacke sequence separating the Parson Bay from the Bonanza Group.

(e)Bonanza Group: Lower Jurassic Age

The Bonanza Group is approximately 1,500 metres (8,500 ft.) thick. The lower portion consists of bedded and massive tuffs, formational breccias and are amygdaloidal and porphyritic flows, in the compositional range andesite to basalt. Porphyritic dykes and sills intrude the lower part of the unit. In the upper a part of the Bonanza, rhyodacite flows and breccias become more numerous and are interbedded with andesite and basalt flows, tuffs and tuff breccias.

Regional metamorphism within the Bonanza Group is very low grade, possibly zeolite facies.

Plagioclase commonly is albitized and saussuritized. Chlorite, epidote and laumontite occur within the matrix of volcanic breccias, in veinlets, and in amygdules. Coarse intraformational breccias locally are hematized.

Biotite and amphibolite hornfelsed occur adjacent to stocks which intrude the Bonanza Formation.

"Pyrobitumen", a black hydrocarbon erratically distributed within the Bonanza rocks, generally occurs as fracture filling or in the centre of zeolite-carbonate veins. Its distribution is not related to the position of the intrusive stocks.

Cretaceous Sediments

The Vancouver Group is unconformably overlain by non-marine Cretaceous sediments of the Longarm Formation which are estimated to be about 300 metres (1,000 ft.) thick in the Port Hardy area. The Longarm Formation consists of conglomerate, sandstone, greywacke, siltstone and some carbonaceous and impure coal seams; these sediments occupy local basins. Early coal mining in the district was from several of these basins.

Intrusive Rocks

The Vancouver Group rocks are intruded by a number of Jurassic-aged stocks and batholiths. In the Holberg Inlet area a belt of northwest-trending stocks extends from the east end of Rupert Inlet to the mouth of Stranby River on the north coast of Vancouver Island.

Quartz-feldspar porphyry dykes and irregular bodies occur along the south edge of the belt of stocks. Dykes are characterized by coarse, subhedral quartz and plagioclase phenocrysts set in a pink, very fine grained, quartz and feldspar matrix. They are commonly extensively altered and pyritized. At Island Copper Mine, these porphyries are enveloped by altered, brecciated and mineralized Bonanza Group wallrocks. The porphyries, too, are cut by siliceous veins, pyritized, extensively altered, and are mineralized with copper where they have been brecciated. The quartz-feldspar porphyries are thought to be differentiates of middle Jurassic felsic intrusive rocks.

Structure

The rocks north of Holberg and Rupert inlets are folded into shallow synclines with northwesterly fold axes. The steeper southwesterly limbs of the folds have apparently been truncated by faults roughly parallel to the fold axis. Failure of limestone during folding may have influenced the location of some of the faults as indicated by the proximity of the Dawson and Stranby River faults to the Quatsino Formation limestone. Transverse faulting is pronounced and manifested by numerous north and northeasterly trending faults and topographic lineaments.

The northern part of Vancouver Island lies in a block faulted structural setting with post Lower Cretaceous northwesterly trending faults apparently being the major system (Figure 3). This system causes both repetition and loss of parts of the stratigraphic section, with aggregate movement in a vertical sense in the order of tens to hundreds of metres. The most significant of these fault systems trends west to northwest along Rupert and Holberg inlets. Near the west end of Holberg Inlet this fault splits, with the main branch following Holberg Inlet and the other

branch passing through the west side of the Stranby River valley. Another northwesterly system passes through William Lake and still another smaller system passes through Nahwitti Lake.

Northeasterly trending faults comprise a subordinate fault system. In some cases, apparent lateral displacement in the order of several hundred metres can be measured on certain horizons. Movement, however, could be entirely vertical with the apparent offset resulting from the regional dip of the beds.

Recent computer modelling and interpretation of the government airborne magnetometer data has provided a clear understanding of the relationship of secondary conjugate sets of northeast and northwesterly faults related to the major west-northwest trending breaks. These conjugate faults sets appear to relate directly to the significant metal occurrences at the Island Copper, Hushamu, Hep and Red Dog copper/gold deposits.

Generally, regional dip of the bedding is gentle to moderate southwesterly. In the area west of Holberg dips are locally much steeper in close proximity to major faults. There is little folding or flexuring of bedding visible, except along loci of major faults where it is particularly conspicuous in thinly bedded sediments of Lower Bonanza Formation Bedding is generally inconspicuous in massive beds of Karmutsen, Quatsino and Bonanza formation rocks, particularly inland where outcrops are widely scattered.

REGIONAL MINERALIZATION

A number of types of mineral occurrences are known on northern Vancouver Island. These include:

1.Skarn deposits: copper-iron and lead-zinc skarns,
2.Copper in basic volcanic rocks (Karmutsen): in amygdules, fractures, small shears and quartz-carbonate veins, with no apparent relationship to intrusive activity,
3.Veins: with gold and/or base metal sulphides, reacted to intrusive rocks,
4.Porphyry copper deposits: largely in the country rock surrounding or enveloping granitic rocks and their porphyritic phases.

Four significant discoveries on ground near the Win Property illustrate the copper mineralization in the area:

The Hep occurrence west of Nahwitti lake contains an estimated 43,350 tonnes grading 0.80%

copper at the intersection of two shear zones. The Hep claims are underlain by andesites and tuffs of the Bonanza Group which are intruded by quartz monzonite. Prophyllitic alteration is most common, but argillic and siliceous alteration occurs along fractures and adjacent to the volcanic-intrusive contacts. Pyrite with chalcopyrite and lesser bornite occurs along fractures and as fine disseminations within the andesite.

The Hushamu deposit located 21.5 kilometres southwest of the property, is a zone of copper-molybdenum mineralization in Bonanza volcanic rocks which is estimated to contain over 107 million tons grading 0.30% Cu, 0.010% Mo and 0.010opt Au.

The Red Dog deposit is located 30 kilometres west of the property. Tuffs and tuff breccia of the Bonanza group are intruded by diorite, quartz diorite and quartz-feldspar porphyry of the Island Intrusions. The tuffs have been altered to hornblende biotite hornfels in contact zones with silicification and hydrothermal alteration in shear zones. Chalcopyrite occurs as fine grained disseminations in the hornfels and in association with magnetite in siliceous breccia.

A fourth porphyry copper target presently being evaluated by Moraga Resources Ltd. lies 10 kilometres southwest of the property at Wanokana Creek. This property shows strong geochemical and geophysical resemblance to the Island Copper deposit.

6.0 1992 EXPLORATION PROGRAM

6.1 Geology Of The Marisa 1 Claim

No geological mapping was conducted on the property during this program. From the 1991 prospecting program and current geophysical and drilling data it appears that the claim is underlain by amygdaloidal 'andesite' (possibly Triassic Karmutsen Formation, or Jurassic Bonanza Group) in the northeast corner and younger intrusions (probably Jurassic Island Intrusions) in the rest of the area (Figure 6).

The intrusions can be divided into two main types. The Quatse diorite is a medium blue-grey to black medium-grained intrusion with 30% 1-5mm clots of chlorite-altered hornblende. It is generally strongly magnetic.

Quatse diorite is apparently (no contacts observed) cut by a fine to medium-grained more felsic intrusion, probably quartz diorite to granodiorite in composition. It is generally medium to light greenish to pinkish-grey with a fine-grained crystalline groundmass of feldspar and quartz (10%),

TRUE NORTH

TO PORT HARDY

MARISA 1

MARISA 2

18+00W

16+00W

14+00W

12+00W

10+00W

8+00W

6+00W

4+00W

2+00W

0+00

5+00S

10+00S

15+00S

BASELINE

Andesite

Float. Massive pyrite, pyrrhotite

722 ppm Cu

60711

RELATIVE MAGNETIC LOW (QUARTZ DIORITE)

RELATIVE MAGNETIC HIGH (DIORITE)

Soil Line 2100W

0+00

2+00E

4+00E

6 mag

M92-1

M92-2

M92-3

M92-4

M92-5

PGO-1

CP

CP, MO

Core Storage

60789

60767

60763

Copper-in-Soil Anomaly

QL-1

LCP MARISA 1

TO COAL HARBOUR

Andesite

DIAMOND DRILL HOLE

ROCK SAMPLE LOCATION

CP CHALCOPYRITE

MO MOLYBDENITE

RELATIVE CHARGEABILITY HIGH

RELATIVE MAGNETIC LOW

0 100 200 300m

GREAT WESTERN GOLD CORP.

MARISA PROPERTY
GEOLOGY - GEOPHYSICS COMPOSITE AND DRILL HOLE LOCATION PLAN

NANAIMO MINING DIVISION

SCALE: 1:10,000	DRAWN BY: G. ALLEN
DATE: FEB. '92	
DATA BY: G. ALLEN	FIGURE NO.: #6

DAIWAN ENGINEERING LIMITED

25% <1-2mm white stubby subhedral to euhedral feldspar phenocrysts, and 10% dark fuzzy clots of altered mafic minerals up to 5mm in diameter (average 1-2mm). These clots are commonly composed of fine-grained chlorite, magnetite and sulphides (chalcopyrite, pyrite, and molybdenite). Sulphides also occur along several closely spaced (5-10cm) fracture sets. Grab samples of this material from surface exposures contained up to 0.45% copper (conversion from ppm; 1991 sample 60768).

Both intrusive units described above have been cut by brown to greenish-grey fine-grained quartz phyric felsic dykes.

6.2 Induced Polarization Survey

A total of 12.3km of IP survey was done on the Marisa property between January 10 and January 14,1992, by Pacific Geophysical Limited. The separate report of the survey with pseudosections and 10 point filter plans has been prepared for the property (Cartwright and Cormier, 1992), and is included as Appendix V.

The survey was conducted with a 50m dipole separation giving an approximate maximum penetration of 100m.

Several weak but relatively discrete zones of chargeability were outlined. Zones with greater than 6 millisecond chargeabilities are outlined on Figure 6, a geology-geophysics composite. These zones appear to cover both quartz diorite and diorite. One chargeability anomaly between 0+00 and 6+00W is partially coincident with the mineralized zone but does not include the apparently better mineralized part between 0+00 and 2+00W along the creek.

It is possible that a survey with 50m dipole separation is unable to outline zones with such low sulphide contents. In retrospect it may have been useful to run lines at 100m spacings with a 25m dipole separation across the mineralized zone between 0+00 and 4+00W.

6.3 Magnetic Survey

A magnetic survey was conducted over 16.6km of line (entire grid). Data, plan and a discussion of the results is included in Appendix II.

The survey clearly outlined a 200-500m wide east-west trending relative magnetic low feature extending across the entire grid. Bedrock exposures and drill hole data suggest that this feature

Relative high magnetic susceptibility features were outlined in the north and south (true) parts of the grid. Hole M92-2 was drilled into the southern magnetic high and intersected strongly magnetic Quatse diorite. The northern magnetic feature may also be related to diorite, suggesting that the quartz diorite is simply a late stage east-west trending dyke cutting across the diorite.

6.4 Diamond Drilling

Diamond drilling on the property consisted of five holes which targeted both areas with known mineralization and zones with anomalous chargeability. Drill hole locations are shown in Figure 6.

Four holes were drilled along roughly 1.5km of the belt of relatively low magnetic susceptibility and intersected primarily quartz diorite in all cases. Holes M92-4 and M92-5, the easternmost and westernmost holes respectively, were generally barren with copper values averaging less than 20 ppm. The central two holes, M92-1 and M92-3, were drilled in the vicinity of the mineralized exposures along the creek. These holes intersected consistently weakly mineralized quartz diorite with disseminated and fracture-controlled pyrite (up to 1%), chalcopyrite (generally >0.1%) and molybdenite (traces). The upper part of M92-1 contained 0.17% (converted from ppm) copper across 16.17m. The highest copper values in M92-1 are within zones in which magnetite appears to have been altered to pyrite. Rock in these intervals has a paler appearance than normal and may have undergone weak argillic and/or sericitic alteration (thin section to come).

Hole M92-2 was drilled to test coincident magnetic and chargeability anomalies. The hole intersected Quatse diorite and crosscutting felsic dykes. Both units were barren.

MARISA PROPERTY 1992 DRILL HOLE SUMMARIES

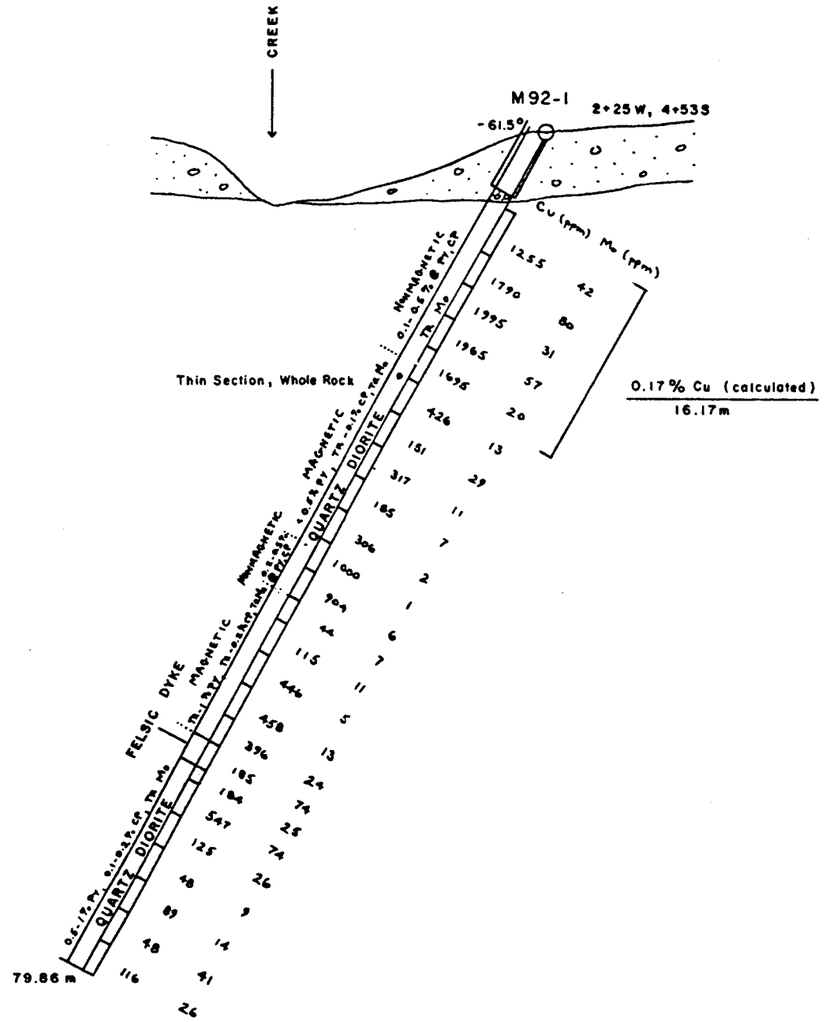
M92-1 (Proposed Hole M-A)

Coordinates: 2+25W, 4+53S
Azimuth: 240°
Dip: -61.5°
Length: 79.86m (262')

This hole tested a zone with visible mineralization (chalcopyrite and molybdenite along fractures and replacing mafic clots) in a quartz diorite(?) exposed in several places along the creek. The collar is located approximately 60m northwest of sample 60768 (0.45% copper). Two north-

240° ←

→ 060°



GREAT WESTERN GOLD CORP.	
MARISA PROPERTY CROSS-SECTION M92-1 NANAIMO MINING DIVISION	
SCALE: 1:500	DRAWN BY: G. ALLEN
DATE: FEB. '92	
DATA BY: G. ALLEN	FIGURE NO.: 7a

M92-1

DAIWAN ENGINEERING LIMITED

7a

south soil sample lines which straddle this area partially outlined a 100m wide zone with elevated copper and sporadically anomalous molybdenum. The area has a relatively low chargeability. It was not a prime geophysical target but because of visible mineralization and encouraging soil geochemistry data the area warranted drill testing.

Hole M92-1 intersected predominantly quartz diorite which was divisible into well defined zones on the basis of colour (alteration), and magnetite and sulphide content.

Magnetic intervals have 1-2% magnetite associated with mafic clots. The intervals are generally cut by several sets of closely spaced (3-10/10cm interval) hairline fractures commonly flooded with calcite and pink zeolite. A pink alteration envelope up to 2cm wide is common adjacent these fractures. Some of these pink altered zones are hard and some are soft suggesting that they are a mixture of potassic feldspar and zeolite. Sulphides occur both along hairline fractures and disseminated throughout associated with mafic clots. Sulphides include traces to 1% pyrite, traces to 0.2% chalcopyrite, and traces of molybdenite.

Nonmagnetic intervals are a lighter grey than the adjacent magnetic intervals. Feldspar phenocrysts are light grey to white. Pink alteration around fractures is not common. Sulphide content is higher in the nonmagnetic than the magnetic intervals, with 0.1 to 1% pyrite, 0.1-0.5% chalcopyrite and traces of molybdenite. Sulphides occur predominantly disseminated throughout associated with mafic clots, but are also found along fracture surfaces.

It appears that the nonmagnetic intervals are a product of a sporadic alteration event which has bleached the rock (possibly weak argillic to sericitic alteration), destroyed earlier formed pink alteration envelopes around fractures, altered magnetite to pyrite, and introduced additional copper.

A nonmagnetic interval at the top of the hole between 7.30m and 23.47m contained 0.17% copper (converted from ppm) across 16.17m. Magnetic intervals average 300-400 ppm copper. Copper content generally decreases down hole.

Between 57.9m and 60.23m the hole intersected a quartz-feldspar phyric felsic dyke mineralized with traces to 0.1% each of pyrite and chalcopyrite, and traces of molybdenite. The fact that dykes carry the same metallic minerals as the quartz diorite indicates that the mineralization was a late stage event.

M92-2 (Proposed hole M-B)

Coordinates: 1+89W, 8+73S
Azimuth: 240°
Dip: -61.5°
Length: 79.86m (262')

This hole was designed to test the centre of a roughly 200m wide weak chargeability high between 8+00S and 10+00S on line 2+00W. The area has a relatively high magnetic susceptibility. No outcrop was located in the area.

The hole intersected predominantly medium blue-grey to black, moderately to strongly magnetic diorite, and is probably what Muller referred to as the Quatse diorite. It is generally barren, containing only traces of pyrite and chalcopyrite.

Between 46m and the end, the hole intersected a series of 5-7m wide brown, fine-grained quartz-feldspar phyric felsic dykes with traces (+?) of very fine-grained pyrite. Although sulphide content of these dykes is low, they may be the source of the IP anomaly in the area. The dykes are probably the same as those intersected in holes M92-1 and M92-3.

M92-3 (Proposed hole M-C)

Coordinates: 4+10W, 5+73S
Azimuth: 240°
Dip: -61.5°
Length: 76.81m (252')

Hole M92-3 was designed to test the core of a weak chargeability anomaly which occurs between 5+00S and 8+00S on line 4+00W. Chalcopyrite, pyrite, and molybdenite occur disseminated and on fractures within a quartz diorite exposed in the creek (samples 60779 and 60780) roughly 75m to the south of the drill collar. This mineralization appears to occur within the 200-300m wide zone of chargeability which trends east-west across lines 8+00W to 4+00W. The hole was also drilled on strike with a copper-in-soil anomaly partially defined by two lines of samples to the east.

The hole intersected quartz diorite with pink alteration envelopes around hairline fractures as in hole M92-1. Sulphide content in this hole was generally lower, however, with less than 1% pyrite, traces to 0.5% (average <0.1%) chalcopyrite, and traces of molybdenite. Sulphides occur disseminated throughout, most commonly associated with mafic clots. A minor amount of

240° ←

→ 060°

CHARGEABILITY (10 POINT FILTER)

10 msec

5 msec

9+75S 9+50S 9+25S 9+00S 8+75S 8+50S 8+25S 8+00S

LINE 2+00 W

M92-2

-61.5° 1+89W, 8+73S

Cu(ppm) Mo(ppm)

20 <1

22 <1

67 1

DIORITE

DIORITE TR PY

FELSIC DYKE

DIORITE TR PY

DIORITE

FELSIC DYKE

DIORITE TR PY

79.86m

0 5 10 15 20m

GREAT WESTERN GOLD CORP.

MARISA PROPERTY

CROSS-SECTION

M92-2

NANAIMO MINING DIVISION

SCALE: 1:500	DRAWN BY: G. ALLEN
DATE: FEB. '92	
DATA BY: G. ALLEN	FIGURE NO.:

M92-2

DAIWAN ENGINEERING LIMITED

76

LINE 4+00 W

CHARGEABILITY (10 POINT FILTER)

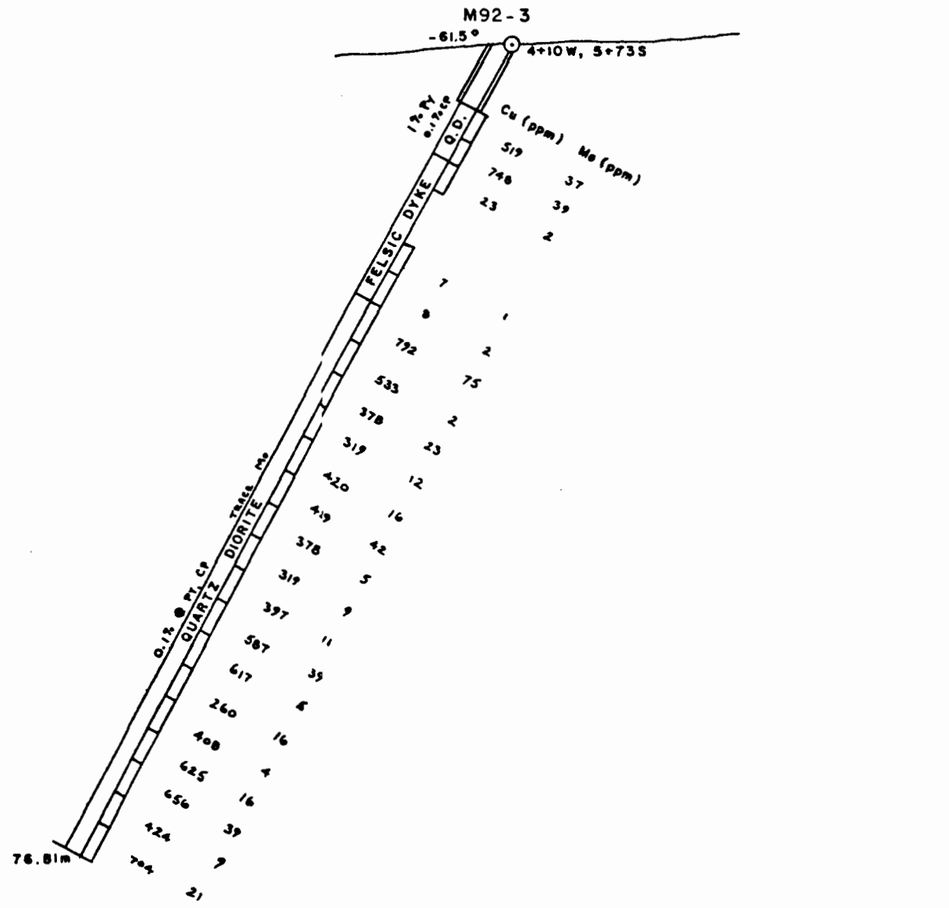
240° ←

→ 060°

10 msec

5 msec

6+75S 6+50S 6+25S 6+00S 5+75S 5+50S 5+25S 5+00S



0 5 10 15 20m

GREAT WESTERN GOLD CORP.	
MARISA PROPERTY CROSS - SECTION M92-3 NANAIMO MINING DIVISION	
SCALE: 1:500	DRAWN BY: G. ALLEN
DATE: FEB. '92	
DATA BY: G. ALLEN	FIGURE NO.: 7c

M92-3

DAIWAN ENGINEERING LIMITED

sulphides occur along hairline fractures. This rock averaged roughly 500 ppm copper.

A quartz-feldspar phyric felsic dyke with very fine-grained disseminated pyrite was intersected between 11.0 and 24.4m. The dyke appears to be in the core of the IP anomaly, as was found in hole M92-2. Copper content of the dyke is very low in contrast to the host quartz diorite, indicating that this dyke is post mineralization. The felsic dyke in M92-1 was mineralized, suggesting that there may be more than one phase of felsic dykes cutting the quartz diorite.

M92-4 (Proposed hole M-E)

Coordinates: 4+00E, 1+39S
Azimuth: 240°
Dip: -60°
Length: 92.96m (300')

This hole was drilled to test a broad weak chargeability anomaly on line 4+00E, centred roughly at 2+25S. The area has a relatively low magnetic susceptibility, suggesting that it is underlain by granodiorite.

The hole intersected generally barren quartz diorite or granodiorite with pink alteration around hairline fractures. Traces of chalcopyrite occur between 74.9m and the end of the hole.

M92-5 (Proposed hole M-F)

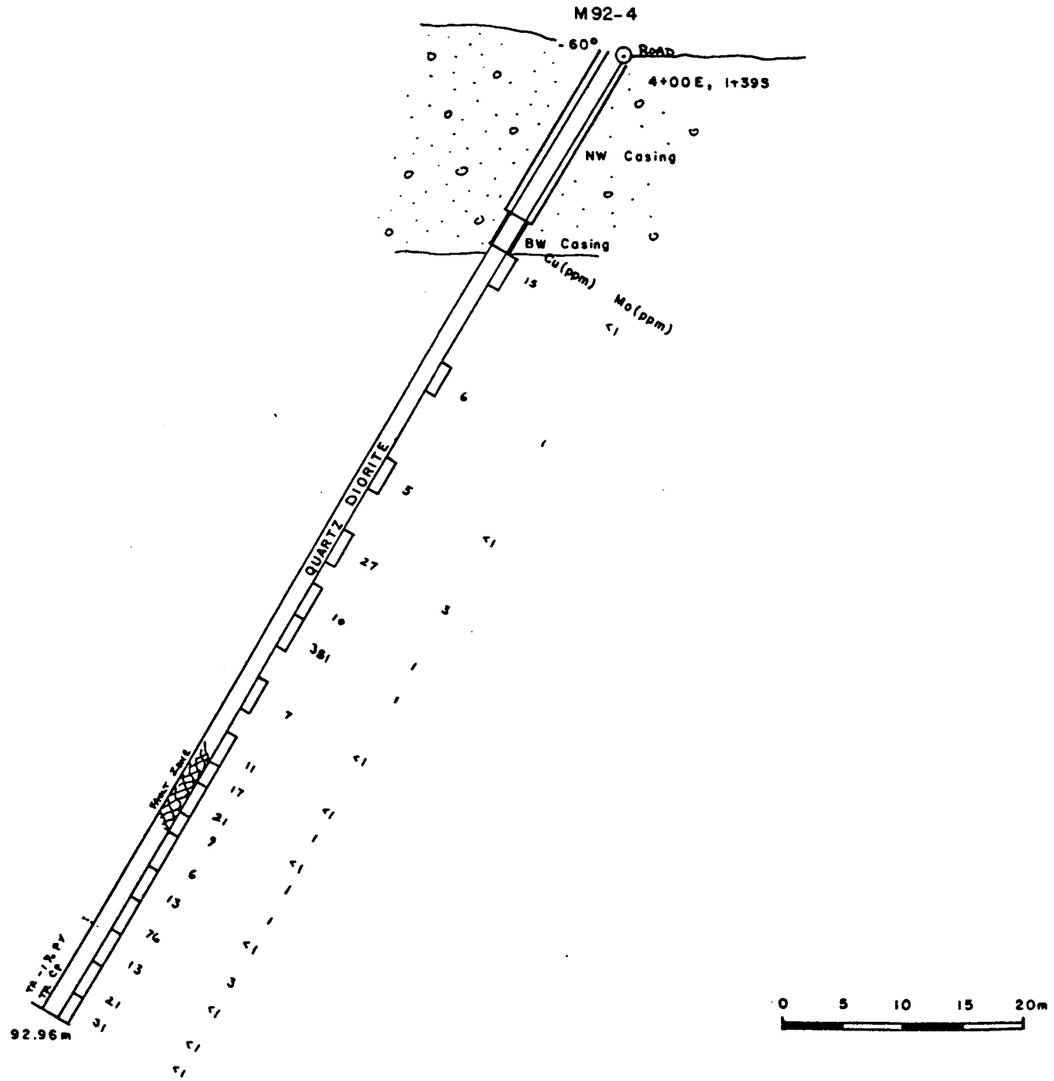
Coordinates: 8+15W, 10+70S
Azimuth: 240°
Dip: -62.5°
Length: 46.33m (152')

Hole M92-5 was drilled on the flank of a weak chargeability anomaly in an area with relatively low magnetic susceptibility. The hole intersected a quartz diorite as in holes M92-1,3 and 4. The rock is generally barren, containing only traces of chalcopyrite.

The core is very blocky and sheared suggesting that the hole was drilled near to or within a fault zone.

240° ←

→ 060°



GREAT WESTERN GOLD CORP.	
MARISA PROPERTY CROSS - SECTION M92-4 NANAIMO MINING DIVISION	
SCALE: 1:500	DRAWN BY: G. ALLEN
DATE: FEB. '92	
DATA BY: G. ALLEN	FIGURE NO.:

M92-4

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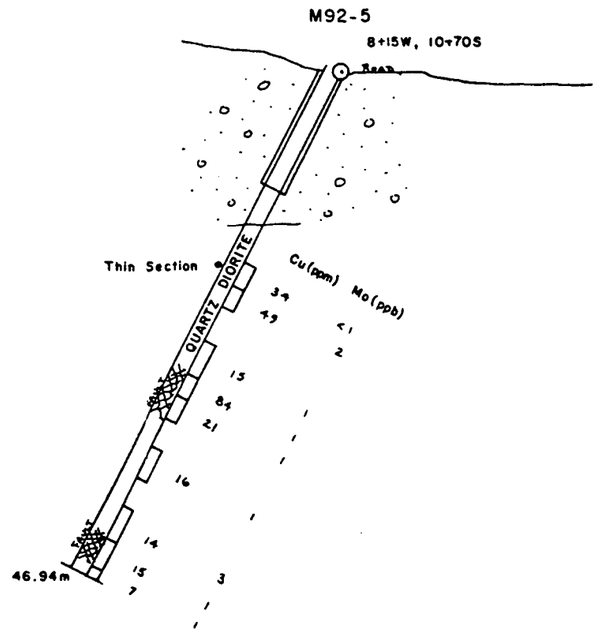
Fig 7.1

240°

060°



0 5 10 15 20m

GREAT WESTERN GOLD CORP.	
MARISA PROPERTY CROSS-SECTION M92-5 NANAIMO MINING DIVISION	
SCALE: 1:500	DRAWN BY: G. ALLEN
DATE: FEB. '92	
DATA BY: G. ALLEN	FIGURE NO.: [redacted]

M92-5

DAIWAN ENGINEERING LIMITED

7e

7.0 CONCLUSIONS

1) A 300 to 500m wide east-west trending quartz diorite dyke, which correlates with a clear magnetic low feature, appears to extend across the entire Marisa 1 claim. The dyke is probably hosted by Quatse diorite.

2) The quartz diorite has been sporadically altered and mineralized with disseminated and fracture-related pyrite, chalcopyrite and molybdenite. To date mineralization has been located between lines 0+00 and 4+00W.

3) The IP survey with a 50m dipole separation does not clearly outline the area with known mineralization.

4) Based on grab samples on surface with up to 0.45% copper and a 16.17m interval in drill hole M92-1 of altered quartz diorite with 0.17% copper, it appears that the intrusion has the potential to host a porphyry copper deposit. IP data indicate, however, that it is unlikely a mineralized zone with a sulphide content significantly greater than that of the showings exists in the survey area. A target grade of 0.3% copper would require 1% chalcopyrite or double that occurring in the upper part of M92-1. It is conceivable that this type of material with little associated pyrite may occur in the area and that it would not produce a strong IP response.

5) The quartz diorite in the showings area requires further drill testing.

6) It would be helpful to have specific targets outlined in the quartz diorite. Soil sampling on the present grid is warranted.

7) The apparent quartz diorite - mafic volcanic contact northeast of the showings area is a secondary exploration target. A sample of massive pyrite and pyrrhotite skarn float with 722 ppm copper (1991 sample 60711) was located 70m northeast of the baseline at 8+00W, suggesting that significant mineralization may occur along this contact.

8.0 RECOMMENDATIONS

1) Geological mapping at a scale of 1:5000 or larger is needed along the creeks to more accurately correlate sample sites and mineralization to grid-related data.

2) Soil sampling on the present grid is warranted to help define drill targets.

3) A minimum of 300m of drilling in three or four holes is needed northeast, southeast and southwest of M92-1 to help define the limits of the known mineralization.

4) Although of lower priority, the grid and subsequently soil geochemical and magnetic surveys should be expanded to better cover the quartz diorite - volcanic contact northeast of the showings area.

The following budget is an estimate of costs for the above mentioned Phase III exploration program.

CERTIFICATE OF QUALIFICATIONS

I, Gordon J. Allen, do hereby certify;

1) I am a graduate in geology of the University of British Columbia (B.Sc., Honours, 1975)

2) I have practised as a geologist in mineral exploration for sixteen years.

3) I am a member in good standing of the Association of Professional Engineers, Geologists, and Geophysicists of Alberta.

4) Opinions, conclusions and recommendations contained herein are based on fieldwork and research performed by me between January 12 and February 11, 1992.

5) I own no direct, indirect, or contingent interests in the subject property.

Duncan, B.C.

February 29, 1992

Gordon J. Allen

GORDON J. ALLEN, P. GEOL.

CERTIFICATE OF QUALIFICATIONS

I, Peter G. Dasler, do hereby certify that:

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

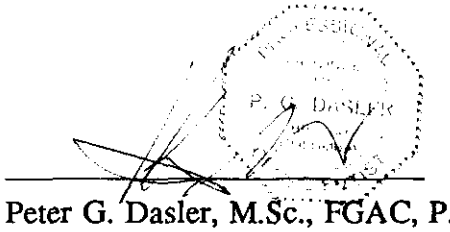
2. I am a graduate of the University of Canterbury, Christchurch, New Zealand with a degree of M.Sc., Geology.

3. I am a Fellow of the Geological Association Of Canada, a Member, in good standing, of the Australasian Institute of Mining and Metallurgy, and a Member of the Geological Society of New Zealand.

4. I have practised my profession continuously since 1975, and have held senior geological positions and managerial positions, including Mine Manager, with mining companies in Canada and New Zealand.

5. This report is based on a personal fieldwork and supervision of the work programmes on the property since 1986, and from reports of Professional Engineers and others working in the area.

6. I have no interest in the shares of Great Western Gold Corp., nor do I expect to receive any. Mr. R. Philp, is President of Universal Trident Industries Ltd the optioner of the Marisa property, and myself hold equal interests in Daiwan Engineering Ltd.



Peter G. Dasler, M.Sc., FGAC, P. Geo.
February 29, 1992

APPENDIX I

LIST OF PERSONNEL AND STATEMENT OF EXPENDITURES

CERTIFICATE OF EXPENDITURES

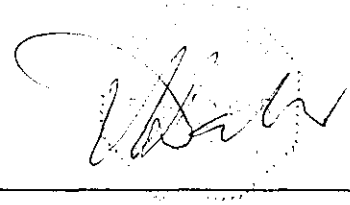
The following costs relate to geophysical surveys and diamond drilling at the Marisa Property between January 1 1992 and February 28 1992.

Personnel

Project Geologist	G. Allen 26 days @ $380/day	$ 9,880.00	
Senior Geologist	P. Dasler 9 days @ $380/day	2,850.00	
Office Assistant	T. Sheridan .65 days @ $220/day	143.00	
Field Technician	R. Bilquist 19.75 days @ $260/day	5,135.00	
Field Technician	L. Allen 23.5 days @ $260/day	6,110.00	
Field Technician	S. Oakley 7 days @ $260/day	1,820.00	
Field Technician	D Cosgrove 5.5 days @ $260/day	1,430.00	
Field Technician	M. Kilby 5.5 days @ $260/day	1,430.00	
Field Technician	D. Oneill 11 days @ $260/day	2,860.00	
Field Technician	C. Bilquist 19.25 days @ $260	5,005.00	
			36,663.00

Disbursements

Geophysical Surveys Mag and IP	11,284.92	
Drilling 1,497 feet @ $ 18.94/foot	28,361.89	
Food and Accommodation 124 man days @ $62.20	7,713.71	
Field Supplies	682.87	
Equipment Rental	1,630.00	
Vehicle/Supplies - 4x4's -42 days @ $63.61 all-inclusive	2,671.75	
Airfares (part)	179.06	
Helicopter	5,251.13	
Drafting/Maps/Office/Report	536.83	
Assays -cores, 84 by 9 element ICP +Au @ $14.18	1,191.63	
Disbursement Fee	6,947.46	
Miscellaneous, Shipping	297.41	
		66,748.66
SUBTOTAL		**$ 103,411.66**
GST		**7,224.18**
TOTAL		**110,635.84**



Peter G. Dasler, P. Geo.

February 28, 1992

APPENDIX II

DIAMOND DRILL LOGS

Daiwan Engineering Ltd.
1030, 609 Granville Street, Vancouver, B.C. Ph. (604) 688-1508

Drill Hole Record

DAIWAN ENGINEERING LTD.

1030 - 609 Granville Street, Vancouver, B.C., V7Y 1G5 (604) 688-1508

Property MARISA **Location** PORT HARDY **District** NANAIMO **Hole No.** M92 - 1 **Length** 79.86m (26

Commenced JAN. 17, '92 **Completed** JAN. 19, '92 **Core Size** NQ **True Bearing** 240° **Corr. Dip**

Collar Coordinates 2+25W, 4+53S **Elev.** **Hor. Comp.** 38.11 m **Vert. Comp.** 70.18m

Percent Recovery 99 **Collar Dip** -61.5 **Objective** TO TEST MINERALIZED ZONE EXPOSED IN CREEK AND COPPER-IN-SOIL ANOM

Depth (m) from	Depth (m) to	Description	Recovery run	Recovery %	Sample Interval from	Sample Interval to	Sample % Recovery	Sample No.	Length (m)	Au ppb	Ag ppm	Cu ppm	Mo ppm
0	6.10	CASING											
6.10	7.30	OVERBURDEN / RUBBLE Predominantly 2-5 cm chunks of dark grey-brown intermediate to mafic volcanic rock with 1-2 mm feldspar and hornblende phenocrysts. Looks like till.											
7.30	57.9	QUARTZ DIORITE TO GRANODIORITE Generally a medium to light greenish to pinkish-grey fine to medium-grained intrusive rock with a fine-grained crystalline aggregate of feldspar and quartz (± 10%), 25% < 1-2mm white equant to slightly prismatic subhedral to euhedral feldspar phenocrysts, and 10% dark fuzzy clots of altered mafic minerals up to 5mm in diameter (average 1-2 mm). These clots are commonly	8.23-11.28	93	7.30	11.28	93	37001	3.98	<5	<0.5	1255	42
			11.28-14.33	97	11.28	14.33	97	37002	3.05	<5	<0.5	1790	80
			14.33-17.37	100	14.33	17.37	100	37003	3.04	<5	<0.5	1995	31
			17.37-20.42	100	17.37	20.42	100	37004	3.05	<5	1.0	1965	57
			20.42-23.43	98	20.42	23.47	98	37005	3.05	<5	0.5	1695	20
							*	M92-1 23.5m		POLISHED THIN SECTION AND WHOLE			

Client GREAT WESTERN GOLD **Note(s):** **Checked by** C. ALLEN **Hole No.** M92 - 1

Drilling Company OLYMPIC **Date** JAN. 22, '92 **Page One of** 9

Drill Hole Record

pyright

DAIWAN ENGINEERING LTD.

1030 - 609 Granville Street, Vancouver, B.C., V7Y 1G5 (604) 688-1508

Depth from	Depth to	Description	Recovery run	Recovery %	Sample Interval from	Sample Interval to	Sample % Recovery	Sample No.	Sample Length	Au ppb	Ag ppm	Cu ppm	Mo ppm
		composed of fine-grained chlorite, ± minor pale brown biotite, ± magnetite, ± sulphides (chalcopyrite, pyrite, molybdenite).	23.47-26.52	98	23.47	26.52	98	37006	3.05	<5	<0.5	426	13
			26.52-29.57	100	26.52	29.57	100	37007	3.05	<5	<0.5	151	29
		MAGNETITE	29.57-31.39	100	29.57	32.60	100	37008	3.03	<5	<0.5	317	11
		Magnetite occurs in the chloritized mafic dyke within relatively discrete intervals.	31.39-34.14	100									
		Magnetic intervals (detailed below) are	34.14-35.66	96	32.60	35.66	98	37009	3.06	<5	<0.5	185	7
		generally cut by hairline fractures flooded by calcite and pink zeolite. A pink alteration	35.66-38.71	100	35.66	38.71	100	37010	3.05	<5	<0.5	306	2
		envelope up to 2 cm wide is common	38.71-40.54	100	38.71	41.46	100	37011	2.75	<5	<0.5	1000	1
		adjacent these fractures.											
		Nonmagnetic intervals are a lighter grey	40.54-43.28	100	41.46	44.20	100	37012	2.74	<5	<0.5	904	6
		colour than the magnetic intervals. Feldspar											
		phenocrysts are light grey to white, and	43.28-46.33	100	44.20	46.33	100	37013	2.13	<5	<0.5	44	7
		pink hairline stringers with associated pink											
		alteration are distinctly absent.	46.33-49.38	99	46.33	49.38	99	37014	3.05	<5	<0.5	115	11
		Magnetic susceptibility of intervals is listed below:											
		7.3 - 22.2 - Nonmagnetic	49.38-52.43	99	49.38	52.43	99	37015	3.05	<5	<0.5	446	5
		22.2 - 39.6 - Magnetic (weak to moderate)											
		39.6 - 44.0 - Nonmagnetic	52.43-55.47	100	52.43	55.47	100	37016	3.04	<5	<0.5	458	13
		44.0 - 57.9 - Moderately magnetic.											

oject MARISA Logged by G. ALLEN Note(s):

ocation PORT HARDY Date JAN. 22, '92

Hole No. M92-1

Page 2 of 9

Drill Hole Record

pyright

DAIWAN ENGINEERING LTD.

1030 - 609 Granville Street, Vancouver, B.C., V7Y 1G5 (604) 688-1568

Depth from	Depth to	Description	Recovery run	Recovery %	Sample Interval from	Sample Interval to	Sample % Recovery	Sample No.	Sample Length	Au ppb	Ag ppm	Cu ppm	Mo ppm
	–	7.3 - 22.2 (NONMAGNETIC INTERVAL)	55.47-58.52	98	55.47	57.90	98	37017	2.43	<5	<0.5	396	24
		Light to medium grey fine to medium-grained quartz diorite or granodiorite with light grey to white feldspar phenocrysts. Interval is generally nonmagnetic.											
		7.3 - 8.9 - Weak pervasive pink alteration of feldspar in groundmass. Probably pot alteration.											
		Fractures:											
		25°, 25°, 40-50° CA.											
		10.5 - 18 - Blocky core. Some quartz-carbonate flooded intervals to 10cm.											
		Three distinct hairline fractures are healed with 1-5mm soft grey material (zeolite?) and minor quartz and carbonate. Fracture density 3-5 per 10 cm interval											
		Mineralization:											
		7.3 - 8.9 0.1 - 0.5% each of pyrite and chalcopyrite disseminated throughout but most commonly associated with chloritic altered mafics. Sulphides also occur within 1-2mm											

oject MARISA Logged by C. ALLEN Note(s): Hole No. M92-1

ocation PORT HARDY Date JAN 22, '92 Page 3 of 9

Drill Hole Record

DAIWAN ENGINEERING LTD.

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1030 - 609 Granville Street, Vancouver, B.C., V7Y 1G5 (604) 688-1506

Depth from	Depth to	Description	Recovery run	Recovery %	Sample Interval from	Sample Interval to	Sample % Recovery	Sample No.	Sample Length	Au	Ag
		hairline quartz stringers at 25-30° CA. Stringers commonly have cores filled with soft black material (probably pyrobitumen).									
		8.9 - 22.2 - 0.1 - 0.5% each of pyrite and chalcopyrite in quartz - carbonate flooded zones, stringers and disseminated (predominantly associated with mafic clots). Sulphides generally in <1 - 3 mm masses (average ≤1 mm). Sulphide also commonly concentrated on surfaces of hairline fractures. Traces of molybdenum associated with chalcopyrite.									
	-	22.2 - 39.6 (MAGNETIC INTERVAL) Medium grained - grey quartz diorite cut by hairline fractures healed with pink zeolite, some with associated pink alteration envelopes up to 5mm wide. Pink altered feldspar within these envelopes are soft to hard suggesting a mixture of zeolite and K-feldspar alteration.									

Project MARISA Logged by G. ALLEN Note(s): Hole No. M92-1

Location PORT HARDY Date JAN. 22, '92 Page 4 of 9

Drill Hole Record

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DAIWAN ENGINEERING LTD.

1030 - 609 Granville Street, Vancouver, B.C., V7Y 1G5 (604) 688-1506

Depth from	Depth to	Description	Recovery run	Recovery %	Sample Interval from	Sample Interval to	Sample % Recovery	Sample No.	Sample Length	Au	Ag
		Fractures:									
		Hairline fractures at 45°, 50°, 25°, 5° CA.									
		Healed with pink zeolite. Fractures appear to be of several generations with minor offsets up to 5mm.									
		Mineralization:									
		≤ 0.5% pyrite and traces to 0.1% chalcopyrite.									
		Trace molybdenite. Mafic clots contain 10-50% magnetite.									
	-	39.6 - 44.0 (NONMAGNETIC INTERVAL)									
		Fracture orientations and density similar to above. Interval distinct because fracture fillings not pink.									
		Mineralization:									
		0.2 - 0.5% each of pyrite and chalcopyrite.									
		* Distinct increase in sulphide content in low magnetic intervals. Sulphides generally disseminated. Trace molybdenite.									

Project MARISA Logged by G. ALLEN Note(s): Hole No. M92-1

Location PORT HARDY Date JAN. 22, '92 Page 5 of 9

)rill Hole Record

pyright

DAIWAN ENGINEERING LTD.

1030 - 609 Granville Street, Vancouver, B.C., V7Y 1G5 (604) 688-1508

Depth from	Depth to	Description	Recovery run	Recovery %	Sample Interval from	Sample Interval to	Sample % Recovery	Sample No.	Sample Length	Au	Ag
	-	44.0 - 57.9 (MAGNETIC INTERVAL)									
		Lithology as 22.2 - 39.6.									
		Fracture:									
		25-30°CA, 25-15°CA, 45°CA.									
		Fracture density 3-10/10 cm interval. Increased density from interval above. The zone has a distinct increase in pink alteration around stringers, generally 5mm to 5cm. The stringers themselves are pink zeolite but pink alteration in host is moderately hard and could be K-feldspar.									
		Mineralization:									
		Trace to 1% pyrite, trace to 0.2% chalcopyrite, and trace of molybdenite. Sulfides predominantly disseminated, generally associated with mafic clots.									

Project MARISA Logged by C. ALLEN Note(s): Hole No. M92-1

Location PORT HARDY Date JAN. 23, '92 Page 6 of 9

Drill Hole Record

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1030 - 609 Granville Street, Vancouver, B.C., V7Y 1G5 (604) 688-1568

Depth from	Depth to	Description	Recovery run	Recovery %	Sample Interval from	Sample Interval to	Sample % Recovery	Sample No.	Sample Length	Au ppb	Ag ppm	Cu ppm	Mo ppm
57.9	60.23	QUARTZ - FELDSPAR PHYRIC FELSIC DYKE light grey to pinkish - brown fine-grained crystalline aggregate of feldspar (plus?) with feldspar phenocrysts and quartz eyes (10-15%, rounded) up to 1 mm. 2-5% chloritic clots after mafic phenocrysts. Nonmagnetic. Fractures: Two dominant hairline fractures sets at 25° and 45° CA. Relatively hard pink alteration of feldspars in 1 mm to 1 cm envelopes (probably potassic alteration). Mineralization: Traces to 0.1% each of pyrite and chalcopyrite and traces of molybdenite. Sulphides both disseminated and along hairline fractures.	58.52 - 61.57	100	57.90	60.23	100	37018	2.33	<5	<0.5	185	74

Project MARISA Logged by G. ALLEN Note(s): Hole No. M92-1

Location PORT HARDY Date JAN. 23, '92 Page 7 of 9

Drill Hole Record

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DAIWAN ENGINEERING LTD.

1030 - 609 Granville Street, Vancouver, B.C., V7Y 1G5 (604) 688-1508

Depth from	Depth to	Description	Recovery run	Recovery %	Sample Interval from	Sample Interval to	Sample % Recovery	Sample No.	Sample Length	Au ppb	Ag ppm	Cu ppm	Mo ppm
60.23	79.86	QUARTZ DIORITE TO GRANODIORITE			60.23	61.57	100	37019	1.34	<5	<0.5	194	25
	E.O.H.	As above dykes. Fine-grained aggregate of feldspar and ±10% quartz with 25-35% 1-2 mm streaky gneissic-grey (propylitic alt.) feldspar phenocrysts and 15-20% 2-5mm clots of altered mafics, composed of chlorite, magnetite and epidote.	61.57-64.62	98	61.57	64.62	98	37020	3.05	<5	<0.5	547	74
			64.62-67.67	100	64.62	67.67	100	37021	3.05	<5	<0.5	125	26
			67.67-70.71	99	67.67	70.71	99	37022	3.04	<5	<0.5	48	9
		Fractures:											
		Three dominant fracture sets 5-30°, 30° and 40-50° CA. Fracture density 3-6/10 cm interval.	70.71-73.76	99	70.71	73.76	99	37023	3.05	<5	<0.5	89	14
		Fractures generally filled with soft pink zeolite with associated pink alteration envelopes up to 1 cm wide.	73.76-76.81	99	73.76	76.81	99	37024	3.05	<5	<0.5	48	41
			76.81-79.86	98	76.81	79.86	98	37025	3.05	<5	<0.5	116	26
		Mineralization:											
		0.5-1% pyrite, traces to 0.5% (average 0.1-0.2%) chalcopyrite, and traces of molybdenite. Sulphides generally disseminated, most commonly associated with mafic clots. Minor sulphide concentrations along fractures. Molybdenite generally in 1-2 mm masses in pink alteration zones adjacent to fractures.											

Project MARISA Logged by G. ALLEN Note(s): Hole No. M92-1

Location PORT HARDY Date JAN. 23, '92 Page 8 of 9

Drill Hole Record

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DAIWAN ENGINEERING LTD.

1030 - 609 Granville Street, Vancouver, B.C., V7Y 1G5 (604) 688-1506

Depth from	Depth to	Description	Recovery run	Recovery %	Sample interval from	Sample interval to	Sample % Recovery	Sample No.	Sample Length	Au	Ag		
		65.60 - 66.20 - Pervasive pink K-feldspar alteration. Nonmagnetic.											
		72.75 - 73.0 - 2 cm wide fine-grained siliceous pinkish-brown vein at 30° CA. Masses of epidote to 5mm with chalcopyrite and pyrite associated.											
		E.O.H.											

oject MARISA Logged by G. ALLEN Note(s): Hole No. M92-1

ocation PORT HARDY Date JAN. 23, '92 Page 9 of 9

Drill Hole Record

DAIWAN ENGINEERING LTD.

1030 - 609 Granville Street, Vancouver, B.C., V7Y 1G5 (604) 688-1506

Property MARISA Location PORT HARDY District NANAIMO Hole No. M92-2 Length 79.86 m (26

Commenced JAN. 20, '92 Completed JAN. 22, '92 Core Size NQ True Bearing 240° Corr. Dip

Collar Coordinates 1+89 W, 8+73 S Elev. Hor. Comp. 38.11 m Vert. Comp. 70.18 m

Percent Recovery 100 Collar Dip -61½° Objective TO TEST A DISCRETE IP ANOMALY ON 2+00W

Depth (m) from	Depth (m) to	Description	Recovery run	Recovery %	Sample Interval from	Sample Interval to	Sample % Recovery	Sample No.	Length (m)	Au ppb	Ag ppm	Cu ppm	Mo ppm
0	7.62	CASING											
			7.62 - 12.80	66									
7.62	46.0	DIORITE (QUARTZ DIORITE ?)											
		Medium blue-grey to black medium-grained intrusion. Euhedrallic aggregate of blue-grey feldspar with 30% <1-5mm clots of chlorite - altered hornblende. Strongly magnetic. The rock is generally homogeneous. Minor 1-5 cm fine-grained black inclusions. Hairline fractures and stringers of calcite up to 5mm 30° CA, subparallel CA and 45° CA. Fracture density 1-2 / 10 cm. Feldspars are typically altered to a soft pink material (zeolite ?) in alteration envelopes up to 1 cm wide.	12.80 - 15.86	115	12.80	15.86	100	37026	3.06	<5	<0.5	20	<1
			15.86 - 18.90	107									
			18.90 - 21.94	115	18.90	21.94	100	37027	3.04	<5	<0.5	22	<1
			21.94 - 24.99	111									
			24.99 - 28.04	104	26.47	29.54	100	37028	3.07	<5	<0.5	67	1
			28.04 - 31.09	102									
		MINERALIZATION: Trace pyrite along calcite-quartz stringers and chalcopyrite	31.09 - 34.14	106	38.71	41.84	100	37029	3.13	<5	<0.5	10	1
		26.8 - 27.4 - Minor chalcopyrite and magnetite along fracture at 30° CA.	34.14 - 35.05	110									

Client GREAT WESTERN GOLD Note(s): Checked by G. ALLEN Hole No. M92-2

Drilling Company OLYMPIC Date JAN. 24, 92 Page One of 3

)rill Hole Record

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DAIWAN ENGINEERING LTD.

1030 - 609 Granville Street, Vancouver, B.C., V7Y 1G5 (604) 688-1506

Depth from	Depth to	Description	Recovery run	Recovery %	Sample Interval from	Sample Interval to	Sample % Recovery	Sample No.	Sample Length	Au ppb	Ag ppm	Cu ppm	Mo ppm
46.0	56.74	FELSIC DYKE	35.05 - 36.27	95	46.33	49.38	100	37030	3.05	<5	<0.5	<1	1
		Dawn brown to greenish - grey fine - grained dyke. Fine - grained crystalline aggregate with	36.27 - 38.71	97									
		15% ≤ 1 mm stubby white feldspar phenocrysts	38.71 - 40.23	95									
		2 - 5% ≤ 1 mm chloritic mosaic after mafic minerals and vague rounded grey glassy			53.75	56.74	100	37031	2.99	<5	<0.5	<1	3
		quartz eyes. Traces of fine - grained disseminated	40.23 - 43.20	107									
		pyrite. This unit may be the source of			56.74	58.10	100	37032	1.36	<5	<0.5	11	<1
		the weak chargeability anomaly the hole	43.20 - 46.33	101									
		was designed to test. Unit is nonmagnetic.			58.10	60.83	100	37033	2.73	<5	<0.5	<1	1
		Upper contact 45° CA. Lower contact at	46.33 - 49.38	110									
		70° CA. Dyke a greenish - grey colour within											
		1 m of both contacts.	49.38 - 52.42	112									
56.74	58.10	DIORITE	52.42 - 55.47	111									
		As 7.62 - 46.0 - Minor shearing with associated											
		chlorite and clay alteration. Lower contact along	55.47 58.52	110									
		shear at 30° CA.											
			58.52 - 61.57	113									
58.10	66.40	FELSIC DYKE											
		As 46.0 - 56.74. Crude flow banding	61.57 - 64.52	109									
		sporadically apparent throughout. Alternating light											

oject MARISA Logged by G. ALLEN Note(s): Hole No. M92-2

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Drill Hole Record

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DAIWAN ENGINEERING LTD.

1030 - 609 Granville Street, Vancouver, B.C., V7Y 1G5 (604) 688-1506

Depth from	Depth to	Description	Recovery run	Recovery %	Sample interval from	Sample interval to	Sample % Recovery	Sample No.	Sample Length	Au ppb	Ag ppm	Cu ppm	Mo ppm
		brown to medium grained - grey in 1-2 cm intervals. Banding 25-30° CA, apparently parallel to contacts.	64.52 - 67.66	97									
66.40	72.63	DIORITE	67.66 - 70.71	102									
		Upper contact along a 5 cm chloritic shear zone. Calcite flooded. Trace pyrite. Shear at 25° CA.			67.66	70.71	100	37034	3.05	<5	<0.5	10	1
		70.5 - 70.71 - Weak breccia interval flooded by quartz and epidote. Feldspar altered to a soft pink mineral (zoisite?).	70.71 - 73.76	107	70.71	72.63	100	37035	1.92	<5	<0.5	45	1
			73.76 - 76.81	110	72.63	75.58	100	37036	2.95	<5	<0.5	1	2
72.63	79.51	FELSIC DYKE	76.81 - 79.86	102									
		At 46.0 - 56.74. Very distinct flow banding within 1 m of upper and lower contacts. Upper contact 35° CA. Lower contact 60° CA. Strong. Weak fracture sets at 45°, 20° and subparallel CA.											
		MINERALIZATION: Trace disseminated pyrite associated with altered mafic minerals.											
79.51	79.86 E.O.H.	DIORITE											

oject MARISA Logged by G. ALLEN Note(s): Hole No. M92-2

ocation PORT HARDY Date JAN. 25, 1992 Page 3 of 3

Drill Hole Record

DAIWAN ENGINEERING LTD.

1030 - 609 Granville Street, Vancouver, B.C., V7Y 1G5 (604) 688-1508

Property MARISA Location PORT HARDY District NANAIMO Hole No. M92-3 Length 76.8 m (252')

Commenced JAN. 22, '92 Completed JAN. 23, '92 Core Size NQ True Bearing 240° Corr. Dip

Collar Coordinates 4+10 W, 5+73 S Elev. Hor. Comp. 36.65 m Vert. Comp. 67.50 m

Percent Recovery 100 Collar Dip -61½ Objective TO TEST CHARGEABILITY ANOMALY ON LINE 4+00W.

Depth (m) from	Depth (m) to	Description	Recovery run	Recovery %	Sample Interval from	Sample Interval to	Sample % Recovery	Sample No.	Length (m)	Au ppb	Ag ppm	Cu ppm	Mo ppm
0	6.10	CASING											
6.10	11.0	GRANODIORITE / QUARTZ DIORITE Fine-grained crystalline aggregate of feldspar and quartz (~10%?), 20% stubby, 1-2 mm white to grunish-grey feldspar phenocrysts, and 15% fine-grained chlorite in clots (altered mafic minerals) up to 5 mm. The rock is weakly to moderately brecciated and sporadically altered to a purplish-brown relatively hard material (K-spar alteration?). Fracture zones up to 2 cm wide are commonly flooded (?) with fine-grained black material (biotite?). Minor gouge in some crushed intervals. The unit is non to weakly magnetic. Magnetite occurs as fine-grained crystals in the chloritized mafics.			6.10	8.78	78	37037	2.68	<5	<0.5	519	37
					8.78	11.0	100	37038	2.22	<5	<0.5	748	39
					11.0	13.60	100	37039	2.60	<5	<0.5	23	2

Client G.W.G. Note(s): Checked by C. ALLEN Hole No. M92-3

Drilling Company OLYMPIC Date JAN. 25 / 92 Page One of 4

Drill Hole Record

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DAIWAN ENGINEERING LTD.

1030 - 609 Granville Street, Vancouver, B.C., V7Y 1G5 (604) 688-1506

Depth from	Depth to	Description	Recovery run	Recovery %	Sample Interval from	Sample Interval to	Sample % Recovery	Sample No.	Sample Length	Au ppb	Ag ppm	Cu ppm	Mo ppm
		MINERALIZATION : 1% very fine-grained disseminated pyrite, 0.1-0.3% disseminated chalcopyrite in masses to 1mm, most commonly associated with chloritic clots. Traces molybdnite											
		Hairline fracture sets at 20, 40° and 60° CA. Fracture density is quite high (~1-2/cm). Minor pyrite along fractures.											
11.0	24.4	FELSIC DYKE											
		Medium brown to brownish-grey fine-grained crystalline aggregate of feldspar (+?) with 10% < 1mm grey sitting feldspar phenocrysts and possibly rounded quartz eyes.			18.90	21.44	100	37040	2.54	<5	<0.5	7	1
		5% chloritic altered mafic minerals to 2mm.			21.44	24.4	96	37041	2.96	<5	<0.5	8	2
		Most of the unit is sporadically moderately brecciated. Minor gouge.			24.4	28.04	90	37042	3.64	<5	<0.5	792	75
		MINERALIZATION : very fine-grained disseminated pyrite.											
		Lower contact 20° CA. Sharp.											
		Same dyke material intersected in M92-2. Source of IP anomaly?											

oject MARISA Logged by G. ALLEN Note(s): Hole No. M92-3

ocation PORT HARDY Date JAN. 25 / 92 Page 2 of 4

Drill Hole Record

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DAIWAN ENGINEERING LTD.

1030 - 609 Granville Street, Vancouver, B.C., V7Y 1G5 (604) 688-1506

Depth from	Depth to	Description	Recovery run	Recovery %	Sample Interval from	Sample Interval to	Sample % Recovery	Sample No.	Sample Length	Au ppb	Ag ppm	Cu ppm	Mo ppm
24.4	76.81	GRANODIORITE / QUARTZ DIORITE			28.04	31.09	100	37043	3.05	<5	<0.5	533	2
	E.O.H.	Medium greenish-grey fine-grained cryptollin aggregate of feldspar (+?) with 20-30% 1-3mm stubby white to medium greenish-grey feldspar phenocrysts and 15% irregular 2-5mm clots of chlorite and magnetite. This unit is weakly to moderately magnetic in contrast to the granodiorite on the other side of the foliation defect.			31.09	34.14	100	37044	3.05	<5	<0.5	378	23
					34.14	37.18	100	37045	3.04	<5	<0.5	319	12
					37.18	40.23	100	37046	3.05	<5	<0.5	420	16
		The unit is cut by abundant hairline fractures with associated pink alteration halos up to 2cm wide (average 2-5mm). Pink altered feldspars are moderately hard - probably K-spar alteration. Fracture density: 1-5/10cm. Fractures sets at: 0-20° CA, 30° CA, 60° CA.											
		MINERALIZATION: Trace to 0.5% (over few centimetre intervals) each of pyrite and chalcopyrite (average ~ 0.1% total) both disseminated and along hairline fractures. Chalcopyrite in masses to 3mm (average <1mm), most commonly associated with chlorite masses. Trace molybdenite.											

Project MARISA Logged by C. ALLEN Note(s): Hole No. M92-3

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Drill Hole Record

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DAIWAN ENGINEERING LTD.

1030 - 609 Granville Street, Vancouver, B.C., V7Y 1G5 (604) 688-1568

Depth from	Depth to	Description	Recovery run	Recovery %	Sample Interval from	Sample Interval to	Sample % Recovery	Sample No.	Sample Length	Au ppb	Ag ppm	Cu ppm	Mo ppm
		32.85 - 33.20 - Breccia zone 30°CA, Dark (min?) grey fine-grained clasty material, brecciated and flooded with calcite and fine-grained black mineral (biotite?). 2-3% fine-grained pyrite.			40.23	43.28	100	37047	3.05	< 5	<0.5	429	42
					43.28	46.33	100	37048	3.05	< 5	<0.5	378	5
					46.33	49.38	100	37049	3.05	< 5	<0.5	319	9
		38.4 - 39.8 - 1-2 cm pink K-spar veins, irregular, generally 30-45°CA. 0.5% chalcopyrite in masses to 3mm. Trace molybdenum.			49.38	52.42	100	37050	3.04	< 5	<0.5	397	11
					52.42	55.47	100	37051	3.05	< 5	<0.5	587	39
		Hairline to 2mm quartz stringers (minor component) at 30° and 70°CA. Commonly contain small pods of soft black material in their core. Could be pyrobitumen.			55.47	58.52	100	37052	3.05	< 5	<0.5	617	5
					58.52	61.57	100	37053	3.05	< 5	<0.5	260	16
					61.57	64.62	100	37054	3.05	< 5	<0.5	408	4
		53.36 - 55.87 - Breccia zone as 32.85 - 33.20											
		56.2 - 2mm quartz stringer at 45°CA offset 5cm by hairline fracture at 40°CA			64.62	67.66	100	37055	3.04	< 5	<0.5	625	16
					67.66	70.71	97	37056	3.05	< 5	<0.5	656	39
		71.26 - 71.8 - Pink K-spar alteration. Pervasive. Irregular calcite flooding. 1-2% Py.			70.71	73.76	100	37057	3.05	< 5	<0.5	424	9
					73.76	76.81	100	37058	3.05	< 5	<0.5	704	21

oject MARISA Logged by G. ALLEN Note(s):

ocation PORT HARDY Date JAN. 25, '92

Hole No. M92-3

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Drill Hole Record

DAIWAN ENGINEERING LTD.

1030 - 609 Granville Street, Vancouver, B.C., V7Y 1G5 (604) 688-1508

Property MARISA Location PORT HARDY District NANAIMO Hole No. M92-4 Length 92.96 m (305')

Commenced JAN. 24, '92 Completed JAN. 26, '92 Core Size BQ True Bearing 240° Corr. Dip

Collar Coordinates 4+00 E, 1+39 S Elev. Hor. Comp. 46.48 m Vert. Comp. 80.51 m

Percent Recovery 98 Collar Dip -60° Objective TO TEST WEAK TO MODERATE IP ANOMALY AT 4+00E, 2+00S

Depth (m) from	Depth (m) to	Description	Recovery run	Recovery %	Sample Interval from	Sample Interval to	Sample % Recovery	Sample No.	Length (m)	Au ppb	Ag ppm	Cu ppm	Mo ppm
0	15.85	'N' CASING											
15.85	18.90	'B' CASING											
18.90	92.96	GRANODIORITE											
		18.90 - 45.7' Medium blue-grey fine to medium grained granodiorite. Medium blue-grey to pinkish brown (minor) fine-grained aggregate of feldspar (plus ?) with 20% stubby ±1mm feldspar phenocrysts and 15-20% chlorite and magnetite masses up to 5mm (altered mafic minerals - probably hornblende). The rock is weakly to moderately magnetic. Fracture density is not high, roughly 1-2/10cm. Fractures at: 35°, 65°, 5° CA. Very little alteration around fractures.			18.90	22.10	98	37059	3.20	<5	<0.5	15	<1
					29.56	32.31	100	37060	2.75	<5	<0.5	6	1
					38.71	41.76	96	37061	3.05	<5	<0.5	5	<1

Client G.W.G Note(s): Checked by G. ALLEN Hole No. M92-4

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Drill Hole Record

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DAIWAN ENGINEERING LTD.

1030 - 609 Granville Street, Vancouver, B.C., V7Y 1G5 (604) 688-1506

Depth from	Depth to	Description	Recovery run	Recovery %	Sample Interval from	Sample Interval to	Sample % Recovery	Sample No.	Sample Length	Au ppb	Ag ppm	Cu ppm	Mo ppm
		MINERALIZATION:											
		Trace pyrite associated with chloritic clots.											
		This interval is fine in appearance.											
		45.7 - 68.2											
		Granodiorite as above but with abundant			45.7	68.82	95	37062	3.12	< 5	< 0.5	27	3
		hairline fractures with associated pink alteration											
		envelopes up to 1 cm wide. Fracture density			50.90	53.95	88	37063	3.05	< 5	< 0.5	10	1
		increases down hole; averaging 2-4 / 10 cm.											
		Pink hairline stringers are probably zeolite. Pink			53.95	57.00	100	37064	3.05	< 5	< 0.5	381	1
		alteration of feldspars adjacent stringers is moderately											
		hard suggesting possible K-spar alteration.											
		Stringers / fractures at: 25°CA, 25°CA, 60°CA and											
		0-15°.			60.04	63.09	100	37065	3.05	< 5	< 0.5	7	< 1
		Feldspars commonly altered to greenish-grey colour.											
		MINERALIZATION:											
		Trace pyrite. Minor increase from interval			65.20	68.20	99	37066	3.0	< 5	< 0.5	11	< 1
		above.											
		54.4 - 54.6 - fine-grained black interval											
		adjacent chlor at 54.4 at 40°CA. 5cm											
		gouge. Alteration along fault? 1-2% pyrite.											
		Interval still magnetic as above.											

oject MARISA Logged by G. ALLEN Note(s): Hole No. M92-4

ocation PORT HARDY Date JAN. 26, '92 Page 2 of 3

Drill Hole Record

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DAIWAN ENGINEERING LTD.

1030 - 609 Granville Street, Vancouver, B.C., V7Y 1G5 (604) 688-1508

Depth from	Depth to	Description	Recovery run	Recovery %	Sample Interval from	Sample Interval to	Sample % Recovery	Sample No.	Sample Length	Au ppb	Ag ppm	Cu ppm	Mo ppm
		68.2 - 74.9 FAULT ZONE			68.20	71.15	100	37067	2.95	<5	<0.5	17	1
		Broken core. Rubble zone. Sheared 30° CA.											
		clay gouge zone to 5cm. Interval only			71.15	73.03	97	37068	1.88	<5	<0.5	21	<1
		sporadically magnetic. Calcite stringers to											
		5mm parallel to shearing. Abundant			73.03	74.90	99	37069	1.87	<5	<0.5	9	1
		fractures 30°, 60° & 15° CA. Fracture density											
		10-15/10cm.			74.90	78.33	99	37070	3.43	<5	<0.5	6	1
		MINERALIZATION:			78.33	81.38	97	37071	3.05	<5	<0.5	13	<1
		0.5-1% crystalline pyrite predominantly on fracture											
		surfaces. Minor disseminated pyrite. Traces			81.38	84.43	100	37072	3.05	<5	<0.5	76	3
		chalcopyrite.											
					84.43	87.48	100	37073	3.05	<5	<0.5	13	<1
		74.9 - 92.96 -											
		Granodiorite with pink alteration adjacent fractures			87.48	90.53	98	37074	3.05	<5	<0.5	21	<1
		as above fault zone. Fractures 30°, 45°, 70° CA.											
		predominantly filled with pink zeolite. Some			90.53	92.96	91	37075	2.43	<5	<0.5	31	<1
		grey calcite stringers with core of what looks											
		like pyroxfiturum.											
		MINERALIZATION:											
		74.9 - 85 - Traces to 1% disseminated pyrite											
		85 - 92.96 - Pyrite 0.5 - 1%, traces chalcopyrite (diam.)											

oject MARISA Logged by G. ALLEN Note(s):

ocation PORT HARDY Date JAN. 26, '92

Hole No. M92-4

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Drill Hole Record

DAIWAN ENGINEERING LTD.

1030 - 609 Granville Street, Vancouver, B.C., V7Y 1G5 (604) 688-1508

Property MARISA **Location** PORT HARDY **District** NANAIMO **Hole No.** M 92-5 **Length** 46.94 m (154')

Commenced FEB. 8 **Completed** FEB. 9 **Core Size** NQ **True Bearing** 240° **Corr. Dip**

Collar Coordinates 8+15 W, 10+70 S **Elev.** **Hor. Comp.** 20.94 m **Vert. Comp.** 42.01 m

Percent Recovery **Collar Dip** -63½° **Objective** TO TEST FLANK OF WEAK CHARGEABILITY ANOMALY AND MAG. LOW.

Depth (m) from	to	Description	Recovery run	%	Sample Interval from	to	Sample % Recovery	Sample No.	Length	Au ppb	Ag ppm	Cu ppm	Mo ppm
0	11.28	CASING											
					18.75	19.0		M92-5, 19.0 m THIN SECTION					
11.28	14.32	OVERBURDEN											
14.32	46.94	QUARTZ DIORITE											
	E.O.H.	Medium grey fine to medium-grained equigranular aggregate of feldspar and quartz (?)			17.07	19.81		37234	2.74	<5	<0.5	34	<1
		with 15-20% 1-3 mm grained stubby subhedral			19.81	21.94		37235	2.13	<5	<0.5	49	2
		feldspar phenocrysts and 15-20% black masses											
		up to 5 mm of chlorite and magnetite after											
		hornblende (?). Rock is weakly to moderately			24.99	28.04		37236	3.05	<5	<0.5	15	1
		magnetic throughout.											
		Rock is cut by abundant (5-8/10cm)			28.04	30.48		37237	2.44	<5	<0.5	84	1
		hairline fractures 0, 20° and 60° CA, typically											
		with pink alteration envelopes up to 1cm.			30.48	32.31		37238	1.83	<5	<0.5	21	1
		Blocky throughout.											
	*	Rare trace chalcopyrite in mafic clots.											
		Generally barren.											

Client GREAT WESTERN GOLD **Note(s):** **Checked by** G. ALLEN **Hole No.** M 92-5

Drilling Company OLYMPIC **Date** FEB. 10, '92 **Page One of** 2

Drill Hole Record

DAIWAN ENGINEERING LTD.

pyright

1030 - 609 Granville Street, Vancouver, B.C., V7Y 1G5 (604) 688-1568

Depth from	Depth to	Description	Recovery run	Recovery %	Sample Interval from	Sample Interval to	Sample % Recovery	Sample No.	Sample Length	Au ppb	Ag ppm	Cu ppm	Mo ppm
		20.2-20.9 - Manganese coated fracture parallel to core axis.											
					34.75	37.75		37239	3.00	<5	<0.5	16	1
		28-32.5 - FAULT ZONE - broken muddy core. 28.6-29.3 - gouge intervals up to 5cm. Shearing 30° CA.											
					40.23	43.28		37240	3.05	<5	<0.5	14	3
		43.2-45.8 - FAULT ZONE - rubble. 43.8-44.1 - Shear, gouge. 20-30° CA.											
					43.28	45.8		37241	2.52	<5	<0.5	15	1
					45.8	46.94		37242	1.14	<5	<0.5	7	1

Project MARISA Logged by G. ALLEN Note(s): Hole No. M92-5

Location PORT HARDY Date FEB. 10, '92 Page 2 of 2

TO: DAVE PAWLIUK

HOLE M92-1

BOX NO.	FROM	TO
1	6.1	12.12
2	12.12	17.16
3	17.16	22.43
4	22.43	28.05
5	28.05	32.84
6	32.84	38.27
7	38.27	43.28
8	43.28	48.61
9	48.61	54.86
10	54.86	59.53
11	59.53	64.78
12	64.78	70.56
13	70.56	76.00
14	76.00	79.86 E.O.H.
15		
16		
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25		

Hi Dave,

Here are the data required for the 1ST set of box labels.

EXAMPLE:

M92-1 BOX 1 6.1 – 12.12 m

Thanks for the help!

Gord

M92-1

BOXES

	FROM	TO
1	6.1	12.12
2	12.12	17.16
3	17.16	22.43
4	22.43	28.05
5	28.05	32.84
6	32.84	- 36.27
7	36.27	43.28
8	43.28	48.61
9	48.61	54.86
10	54.86	59.53
11	59.53	64.78
12	64.78	70.56
13	70.56	76.00
14	76.00	79.86 E.O.H.

RUNS	TO	LENGTH ACT	RECOV	%
8.23	11.28	3.05	2.83	93
11.28	14.33	3.05	2.97	97
14.33	17.37	3.04	3.04	100
17.37	20.42	3.05	3.05	100
20.42	23.47	3.05	3.00	98
23.47	- 26.52	3.05	2.98	98
26.52 -	29.57	3.05	3.05	100
29.57	- 31.39	1.82	1.82	100
31.39	34.14	2.75	2.75	100
35.66	- 38.71	3.05	3.05	100
38.71	- 40.54	1.83	1.81	100
40.54	- 43.28	2.76	2.75	100
43.28	- 46.33	3.05	3.05	100
46.33	- 49.38	3.05	3.02	99
49.38	52.43	3.05	3.02	99
52.43	55.47	3.04	3.04	100
55.47	58.52	3.05	3.00	98
58.52	61.57	3.05	3.05	100
61.57	64.62	3.05	2.99	98
64.62	67.67	3.05	3.05	100
67.67	- 70.71	3.04	3.00	99
70.71	- 73.76	3.05	3.02	99
73.76	- 76.81	3.05	3.03	99
76.81	- 79.86	3.05	3.00	98
34.14	- 35.56	1.52	1.46	96

2471 = 98.84
25

99% average

SAMPLE RECOVERY

#	FROM	TO	LENGTH	ACT	%
37001	7.3	11.28	3.98	3.52	
37002	11.28	14.33	3.05	2.97	
37003	14.33	17.37	3.04	3.04	
37004	17.37	20.42	3.05	3.05	
37005	20.42	23.47	3.05	3.00	
37006	23.47	26.52	3.05	2.95	
37007	26.52	29.57	3.05	3.05	
37008	29.57	32.60	3.03	3.03	
37009	32.60	35.66	3.06	3.06	
37010	35.66	38.71	3.05	3.05	
37011	38.71	41.46	2.75	2.72	
37012	41.46	44.20	2.74	2.74	
37013	44.20	46.33	2.13	2.13	
37014	46.33	49.38	3.05	3.02	
37015	49.38	52.43	3.05	3.02	
37016	52.43	55.47	3.04	3.04	
37017	55.47	57.90	2.43	2.39	
37018	57.90	60.23	2.33	2.32	
37019	60.23	61.57	1.34	1.34	
37020	61.57	64.62	3.05	2.99	
37021	64.62	67.67	3.05	3.05	
37022	67.67	70.71	3.04	3.00	
37023	70.71	73.76	3.05	3.02	
37024	73.76	76.81	3.05	3.03	
37025	76.81	79.86	3.05	3.00	

CORE RECOVERY

HOLE NO. M92-2

(1 of 2)

RUN

FROM	TO	LENGTH	LENGTH OF CORE	RECOVERY (%)
7.62	12.80	5.18	3.43	.66
12.80	15.86	3.06	3.53 (37026)	1.15
15.86	18.90	3.34	3.59	1.07
18.90	21.94	3.04	3.50	1.15
21.94	24.99	3.05	3.40	1.11
24.99	28.04	3.05	3.19	1.04
28.04	31.09	3.05	3.11	1.02
31.09	34.14	3.05	3.23	1.06
34.14	35.05	.91	100	1.10
35.05	36.27	1.22	1.16	.95
36.27	38.71	2.44	2.36	.97
38.71	40.23	1.52	1.45	.95
40.23	43.20	2.97	3.19	1.07
43.20	46.33	3.13	3.17	1.01
46.33	49.38	3.05	3.34	1.10
49.38	52.42	3.04	3.43	1.12
52.42	55.47	3.05	3.39	1.11
55.47	58.52	3.05	3.34	1.1
58.52	61.57	3.05	3.45	1.13
61.57	64.52	2.95	3.23	1.09
64.52	67.66	3.14	3.06	.97
67.66	70.71	3.05	3.12	1.02

2 OF 2

CORE RECOVERY

HOLE NO. M92-2

RUN FROM	TO	LENGTH	LENGTH OF CORE	RECOVERY (%)
70.71	73.76	3.05	3.25	1.07
73.76	76.81	3.05	3.34	1.1
76.81	79.86	3.05	3.12	1.02

CORE RECOVERY IN SAMPLES

HOLE NO. M 92-2

SAMPLE NO.	FROM	TO	LENGTH	LENGTH OF CORE	RECOVERY (%)
37026	12.80	15.86	3.06	3.53	1.15
37027	18.90	21.94	3.04	3.50	1.15
37028	26.47	29.54	3.07	3.08	100 %
37029	38.71	41.84	3.18	3.04	.96
37030	46.33	49.38	3.05	3.34	1.00
37031	53.75	56.74	3.01	3.02	100
37032	56.74	58.10	1.36	1.72	1.26
37033	58.10	60.83	2.73	3.20	1.17
37034	67.66	70.71	3.05	3.12	1.02
37035	70.71	72.63	1.92	2.08	1.08
37036	72.63	75.58	2.95	3.02	1.02

TO: DAVE PAWLIUK

FROM: GORD ALLEN

HOLE M 92-2

BOX NO.	FROM	TO	
1	6.57	13.92	
2	13.92	18.55	
3	18.55	23.49	
4	23.49	28.98	
5	28.98	34.55	
6	34.55	40.33	
7	40.33	46.03	
8	46.03	51.05	
9	51.05	56.40	
10	56.40	61.57	
11	61.57	67.06	
12	67.06	72.61	
13	72.61	77.28	
14	77.28	79.06	E.O.H.
15			
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23			
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Hi Dave & Steve,

Here's the next instalment.

Thanks!

Gord

TO: DAVE PAWLIUK

FROM: GORD ALLEN

HOLE M92-3

BOX NO.	FROM	TO	
1	6.10	12.20	
2	12.20	17.40	
3	17.40	22.91	
4	22.91	28.04	
5	28.04	33.44	
6	33.44	39.14	
7	39.14	44.63	
8	44.63	50.35	
9	50.35	55.70	
10	55.70	61.41	
11	61.41	66.84	
12	66.84	72.65	
13	72.65	76.81	E.O.H.
14			
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25			

Hi Dave & Steve,

Thanks.

Gord

CORE RECOVERY

HOLE NO. M-92-3

1 OF 2

RUN

FROM	TO	LENGTH	LENGTH OF CORE	RECOVERY (%)
6.10	9.75	3.65	3,07	84
9.75	12.80	3.05	3.24	101
12.80	15.86	3.06	3,19	104
15.86	18.90	3.04	3,37	110
18.90	21.44	2.54	3,21	126
21.44	24.99	3.55	3,34	94
24.99	28.04	3.05	3,26	106
28.04	31.09	3.05	3,18	104
31.09	34.14	3.05	3,15	103
34.14	37.18	3.04	3,18	104
37.18	40.23	3.05	3,21	105
40.23	43.28	3.05	3,05	100
43.28	46.33	3.05	3,35	110
46.33	49.38	3.05	3,08	101
49.38	52.42	3.04	3,28	107
52.42	55.47	3.05	3,11	102
55.47	58.52	3.05	3,14	103
58.52	61.57	3.05	3,11	102
61.57	64.62	3.05	3,22	105
64.62	67.66	3.04	3,18	104
67.66	70.71	3.05	2,95	97
70.71	73.76	3.05	3,20	105

CORE RECOVERY

HOLE NO. M-92-3

2 of 2

RUN

FROM	TO	LENGTH	LENGTH OF CORE	RECOVERY (%)
73.76	76.81	3.05	3.14	103

CORE RECOVERY IN SAMPLES

HOLE NO. 91-92-3

SAMPLE NO.	FROM	TO	LENGTH	LENGTH OF CORE	RECOVERY (%)
37037	6.10	8.80	2.70	2.10	78
37038	8.80	11.00	2.20	2.21	100
37039	11.00	13.60	2.60	2.85	110
37040	18.90	21.44	2.54	3.21	126
37041	21.44	24.48	3.04	2.83	96
37042	24.48	28.04	3.56	3.94	90
37043	28.04	31.09	3.05	3.18	104
37044	31.09	34.14	3.05	3.15	103
37045	34.14	37.14	3.04	3.18	104
37046	37.14	40.23	3.05	3.21	105
37047	40.23	43.28	3.05	3.05	100
37048	43.28	46.33	3.05	3.35	110
37049	46.33	49.38	3.05	3.08	101
37050	49.38	52.42	3.04	3.28	107
37051	52.42	55.47	3.05	3.11	102
[illegible]	55.47	58.52	3.05	3.14	103
[illegible]	58.52	61.57	3.05	3.11	102
[illegible]	61.57	64.62	3.05	3.22	105
[illegible]	64.62	67.66	3.04	3.18	104
[illegible]	67.66	70.71	3.05	2.95	97
[illegible]	70.71	73.76	3.05	3.20	105
37058	73.76	76.81	3.05	3.14	103

TO: DAVE PAWLIUK

FROM: GORD ALLEN

HOLE M92-4

BOX NO.	FROM	TO	
1	18.90	23.41	
2	23.41	29.06	
3	29.06	34.82	
4	34.82	40.66	
5	40.66	46.41	
6	46.41	52.00	
7	52.00	57.92	
8	57.92	63.42	
9	63.42	69.34	
10	69.34	75.18	
11	75.18	81.15	
12	81.15	86.86	
13	86.86	92.96	E.O.H.
14			
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22			
23			
24			
25			

Hi Dave + Steve,

Thanks.

Gord

CORE RECOVERY

HOLE NO. M-92-4

RUN

FROM	TO	LENGTH	LENGTH OF CORE	RECOVERY (%)
18.90	20.42	1.52	1.38	91
20.42	23.47	3.05	2.96	97
23.47	25.61	2.14	2.11	98
25.61	26.62	1.01	1.01	100%
26.62	29.56	2.94	2.96	100
29.56	32.31	2.75	2.81	102
32.31	34.44	2.13	2.15	101
34.44	35.66	1.22	.99	.81
35.66	38.71	3.05	3.00	.98
38.71	41.76	3.05	2.92	.96
41.76	44.80	3.04	3.08	101
44.80	47.86	3.06	2.99	98
47.86	50.90	3.04	3.16	104
50.90	53.95	3.05	2.67	.82
53.95	57.00	3.05	3.21	105
57.00	60.04	3.04	3.28	108
60.04	63.09	3.05	3.05	100
63.09	66.14	3.05	2.95	97
66.14	69.19	3.05	3.13	103
69.19	72.29	3.10	3.05	98
72.29	75.38	3.09	3.16	102
75.38	78.38	2.95	2.94	100

CORE RECOVERY

HOLE NO. N-92-4

RUN FROM	TO	LENGTH	LENGTH OF CORE	RECOVERY (%)
78.33	81.38	3.05	2.9½	.97
81.38	84.43	3.05	3.08	1.01
84.43	87.48	3.05	3.10	1.02
87.48	90.52	3.04	2.98	.98
90.52	92.96	2.44	2.31	.94

CORE RECOVERY IN SAMPLES

HOLE NO. 1-92-C

SAMPLE NO.	FROM	TO	LENGTH	LENGTH OF CORE	RECOVERY (%)
[illegible]	19.[illegible]	22.10	3.20	3.[illegible]5	.[illegible]9
37060	29.56	32.31	2.75	2.81	102
37061	38.71	41.76	3.05	2.92	.96
37062	45.70	48.82	3.12	2.97	.95
37063	50.90	53.95	3.05	2.67	.88
37064	53.95	57.00	3.04	3.28	105
37065	60.04	63.09	3.05	3.05	100
37066	65.20	68.20	3.	2.98	.99
37067	68.20	71.15	2.95	3.02	102
37068	71.15	73.03	1.88	1.82	.97
37069	73.03	74.90	1.87	1.86	.99
37070	74.90	78.33	3.43	3.40	.99
37071	78.33	81.38	3.05	2.96	.97
37072	81.38	84.[illegible]	3.0[illegible]	3.8	101
37073	84.43	87.48	3.05	3.10	102
37074	87.48	90.52	3.04	2.98	.98
37075	90.52	92.96	2.44	2.21	.91

APPENDIX III

CERTIFICATES OF ANALYSIS

Chemex Labs Ltd.

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

To: DAIWAN ENGINEERING LTD.
ATTN: PETER DASLER
1030 - 609 GRANVILLE ST.
VANCOUVER, BC
V7Y 1G5

A9210781

Comments: ATTN: PETER DASLER CC: GORD ALLAN

CERTIFICATE A9210781

DAIWAN ENGINEERING LTD.

Project: MARISA
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 7-FEB-92.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	39	Geochem ring to approx 150 mesh
294	39	Crush and split (0-10 pounds)
238	39	NITRIC-AQUA REGIA DIGESTION

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	39	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
1005	39	Ag ppm: 9 element, soil and rock	ICP-AES	0.5	200
1929	39	Co ppm: 9 element, soil & rock	ICP-AES	1	10000
1931	39	Cu ppm: 9 element, soil & rock	ICP-AES	1	10000
1932	39	Fe %: 9 element, soil & rock	ICP-AES	0.01	15.00
1937	39	Mn ppm: 9 element, soil & rock	ICP-AES	5	10000
1938	39	Mo ppm: 9 element, soil & rock	ICP-AES	1	10000
1940	39	Ni ppm: 9 element, soil & rock	ICP-AES	1	10000
1004	39	Pb ppm: 9 element, soil and rock	ICP-AES	5	10000
1950	39	Zn ppm: 9 element, soil & rock	ICP-AES	2	10000

Chemex Labs Ltd.

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

To: DAIWAN ENGINEERING LTD.
ATTN: PETER DASLER
1030 - 609 GRANVILLE ST.
VANCOUVER, BC
V7Y 1G5

Project : MARISA
Comments: ATTN: PETER DASLER CC: GORD ALLEN

Page Number :1
Total Pages :1
Certificate Date: 05-FEB-92
Invoice No. :I9210718
P.O. Number :
Account :BZH

CERTIFICATE OF ANALYSIS A9210718

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
37001	205 294	< 5	< 0.5	4	1255	1.30	225	42	1	6	20
37002	205 294	< 5	< 0.5	3	1790	0.93	185	80	1	4	14
37003	205 294	< 5	< 0.5	3	1995	0.97	150	31	1	2	14
37004	205 294	< 5	1.0	5	1965	1.14	165	57	1	4	14
37005	205 294	< 5	0.5	6	1695	1.75	230	20	1	2	18
37006	205 294	< 5	< 0.5	4	426	1.70	225	13	1	4	12
37007	205 294	< 5	< 0.5	5	151	2.19	260	29	2	< 2	14
37008	205 294	< 5	< 0.5	5	317	2.20	290	11	1	2	16
37009	205 294	< 5	< 0.5	4	185	1.66	200	7	1	4	10
37010	205 294	< 5	< 0.5	5	306	1.52	175	2	1	4	10
37011	205 294	< 5	< 0.5	3	1000	1.32	180	1	1	2	14
37012	205 294	< 5	< 0.5	5	904	1.29	210	6	< 1	2	16
37013	205 294	< 5	< 0.5	5	44	1.69	205	7	1	2	10
37014	205 294	< 5	< 0.5	5	115	1.76	200	11	< 1	2	12
37015	205 294	< 5	< 0.5	6	446	1.84	210	5	1	< 2	14
37016	205 294	< 5	< 0.5	7	458	1.77	200	13	1	2	16
37017	205 294	< 5	< 0.5	6	396	1.90	220	24	1	2	14
37018	205 294	< 5	< 0.5	3	185	0.63	110	74	1	4	6
37019	205 294	< 5	< 0.5	4	184	1.55	205	25	1	4	14
37020	205 294	< 5	< 0.5	7	547	2.01	225	74	1	2	22
37021	205 294	< 5	< 0.5	7	125	2.20	245	26	1	2	16
37022	205 294	< 5	< 0.5	5	48	2.06	245	9	1	2	14
37023	205 294	< 5	< 0.5	4	89	1.81	200	14	1	2	12
37024	205 294	< 5	< 0.5	5	48	1.84	215	41	1	2	12
37025	205 294	< 5	< 0.5	5	116	2.00	245	26	1	< 2	14
37026	205 294	< 5	< 0.5	9	20	3.09	470	< 1	1	2	32
37027	205 294	< 5	< 0.5	9	22	3.08	440	< 1	1	4	30
37028	205 294	< 5	< 0.5	11	67	3.63	510	1	2	2	32
37029	205 294	< 5	< 0.5	9	10	3.51	470	1	2	4	30
37030	205 294	< 5	< 0.5	1	< 1	0.49	215	1	< 1	6	10
37031	205 294	< 5	< 0.5	1	< 1	0.37	275	3	1	14	28
37032	205 294	< 5	< 0.5	11	11	3.39	885	< 1	3	10	54
37033	205 294	< 5	< 0.5	< 1	< 1	0.45	245	1	1	10	18
37034	205 294	< 5	< 0.5	9	10	3.20	620	1	1	2	46
37035	205 294	< 5	< 0.5	11	45	3.42	905	1	2	10	60
37036	205 294	< 5	< 0.5	1	1	0.67	325	2	1	14	20

CERTIFICATION: Johai D'Mar

Chemex Labs Ltd.

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

To: DAIWAN ENGINEERING LTD.
ATTN: PETER DASLER
1030 - 609 GRANVILLE ST.
VANCOUVER, BC
V7Y 1G5

Project : MARISA
Comments: ATTN: PETER DASLER CC: GORD ALLAN

Certificate Date: 07-FEB-92
Invoice No. :I9210781
P.O. Number :
Account :BZH

CERTIFICATE OF ANALYSIS A9210781

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
37037	205 294	< 5	< 0.5	5	519	1.47	400	37	1	8	30
37038	205 294	< 5	< 0.5	5	748	1.59	445	39	1	20	32
37039	205 294	< 5	< 0.5	1	23	0.52	250	2	< 1	8	14
37040	205 294	< 5	< 0.5	1	7	0.48	255	1	< 1	6	14
37041	205 294	< 5	< 0.5	1	8	0.47	240	2	< 1	6	14
37042	205 294	< 5	< 0.5	7	792	2.06	465	75	1	10	32
37043	205 294	< 5	< 0.5	7	533	2.03	365	2	< 1	< 2	20
37044	205 294	< 5	< 0.5	6	378	1.80	315	23	1	< 2	18
37045	205 294	< 5	< 0.5	6	319	1.74	275	12	1	2	14
37046	205 294	< 5	< 0.5	4	420	1.38	230	16	< 1	< 2	14
37047	205 294	< 5	< 0.5	6	429	1.74	295	42	1	< 2	18
37048	205 294	< 5	< 0.5	6	378	1.74	280	5	1	< 2	16
37049	205 294	< 5	< 0.5	6	319	1.83	305	9	1	< 2	16
37050	205 294	< 5	< 0.5	6	397	1.85	305	11	1	< 2	18
37051	205 294	< 5	< 0.5	7	587	1.93	305	39	1	2	18
37052	205 294	< 5	< 0.5	7	617	1.87	320	5	1	< 2	18
37053	205 294	< 5	< 0.5	6	260	1.79	345	16	1	< 2	20
37054	205 294	< 5	< 0.5	6	408	1.72	300	4	1	< 2	14
37055	205 294	< 5	< 0.5	6	625	1.97	285	16	1	< 2	16
37056	205 294	< 5	< 0.5	6	656	1.92	295	39	1	2	18
37057	205 294	< 5	< 0.5	6	424	2.06	410	9	1	6	30
37058	205 294	< 5	< 0.5	6	704	1.79	335	21	1	6	26
37059	205 294	< 5	< 0.5	6	15	1.88	425	< 1	1	2	26
37060	205 294	< 5	< 0.5	6	6	1.77	415	1	2	2	24
37061	205 294	< 5	< 0.5	5	5	1.68	415	< 1	1	2	24
37062	205 294	< 5	< 0.5	6	27	1.66	400	3	2	2	22
37063	205 294	< 5	< 0.5	5	10	1.60	405	1	1	2	20
37064	205 294	< 5	< 0.5	6	381	1.78	455	1	1	4	38
37065	205 294	< 5	< 0.5	7	7	2.13	415	< 1	1	2	30
37066	205 294	< 5	< 0.5	4	11	1.43	390	< 1	1	2	22
37067	205 294	< 5	< 0.5	4	17	1.39	335	1	1	4	18
37068	205 294	< 5	< 0.5	4	21	1.37	365	< 1	1	2	18
37069	205 294	< 5	< 0.5	5	9	1.70	410	1	2	4	20
37070	205 294	< 5	< 0.5	7	6	2.28	555	1	1	< 2	34
37071	205 294	< 5	< 0.5	5	13	1.75	420	< 1	1	2	22
37072	205 294	< 5	< 0.5	6	76	1.69	380	3	1	2	24
37073	205 294	< 5	< 0.5	6	13	1.79	400	< 1	1	< 2	24
37074	205 294	< 5	< 0.5	5	21	1.72	345	< 1	1	2	20
37075	205 294	< 5	< 0.5	5	31	1.77	355	< 1	1	2	22

CERTIFICATION: Jhai D'Ma

Chemex Labs Ltd.

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

To: DAIWAN ENGINEERING LTD.
ATTN: PETER DASLER
1030 - 609 GRANVILLE ST.
VANCOUVER, BC
V7Y 1G5

Project : MARISA
Comments: ATTN: PETER DASLER CC: GORDON ALLEN

Certificate Date: 24-FEB-92
Invoice No. :I9211305
P.O. Number :
Account :BZH

CERTIFICATE OF ANALYSIS A9211305

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
37234	205 294	< 5	< 0.5	5	34	1.79	340	< 1	2	2	24
37235	205 294	< 5	< 0.5	5	49	1.77	350	2	1	< 2	24
37236	205 294	< 5	< 0.5	4	15	1.74	380	1	1	2	26
37237	205 294	< 5	< 0.5	5	84	1.88	375	1	1	2	26
37238	205 294	< 5	< 0.5	5	21	1.87	435	1	2	< 2	26
37239	205 294	< 5	< 0.5	4	16	1.72	295	1	< 1	4	22
37240	205 294	< 5	< 0.5	4	14	1.76	400	3	2	< 2	26
37241	205 294	< 5	< 0.5	5	15	1.70	380	1	2	2	26
37242	205 294	< 5	< 0.5	5	7	1.79	425	1	< 1	2	28

CERTIFICATION: Thai D Ma

APPENDIX IV

BUDGET FOR FURTHER EXPLORATION

MARISA PROJECT
PROPOSED BUDGET FOR PHASE III EXPLORATION PROGRAM

Fieldwork

PERSONNEL:	DAYS	RATE	COST	COST
Proj. Mgr.	16	380	6080	
Assistant	14	260	3640	
Assistant (soil	17	260	4420	
Consulting	1	380	380	
			14520	14520

DISB. 1:	DAYS/NO.	RATE	COST	
Accomodation	16	25	395	
Accomodation	31	20	622	
Food	47	20	940	
Vehicle	33	45	1485	
Helicopter	8	705	5640	
Hiab Truck	3	50	150	
Analyses (core)	125	14	1693	
Analyses (soils	700	15	10500	
Shipping			250	
Fuel			200	
Core shed Rent	1	250	250	
Radios	2	40	80	
Misc. (Tel, Supplies, etc.)			500	
			22704	
Disbursements Subtotal			22704	
Administration (15%)			3406	
			26110	26110

DISB. 2:	DAYS/NO.	RATE	COST	
Drilling	1000 feet	25	25000	
Administration (10%)			2500	
			27500	27500
Fieldwork Subtotal			68130	
Contingency (10%)			6813	
ESTMATED TOTAL FIELDWORK COSTS			74943	74943

REPORT

REPORT	2500
ESTIMATED TOTAL PROJECT COST	$77,443

APPENDIX V

PACIFIC GEOPHYSICAL LTD.

REPORT

PACIFIC GEOPHYSICAL LTD.

REPORT ON THE

INDUCED POLARIZATION, RESISTIVITY AND MAGNETIC SURVEYS

ON THE

MARISA PROJECT

NANAIMO MINING DIVISION, BRITISH COLUMBIA

FOR

DAIWAN ENGINEERING LTD.

LATITUDE: 50 40' N LONGITUDE: 127 31' W

N.T.S. 92L/11W,12E

BY

Paul A. Cartwright, P.Geoph.
Geophysicist

and

Michael J. Cormier, B.Sc.
Geophysicist

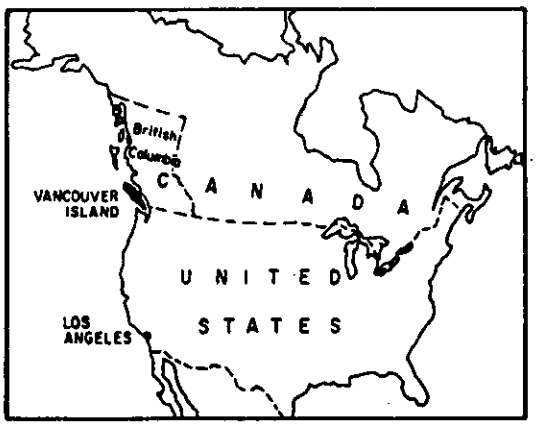
DATED: FEBRUARY 14, 1992.

SUMMARY

Induced polarization, resistivity and magnetic surveys have been carried out on the Marisa Project by Pacific Geophysical Ltd. on behalf of Daiwan Engineering Ltd. during the period January 10, 1992 to January 14, 1992.

A large zone of moderately anomalous IP effects, whose borders remain open, has been identified within the data. A set of five drillholes collared within the zone have all intersected copper mineralization. It has been recommended that further IP / resistivity surveying be conducted to establish the northeast and southeast boundaries of the IP zone prior to another round of drilling.

TABLE OF CONTENTS



UNIVERSAL TRIDENT INDUSTRIES LTD.

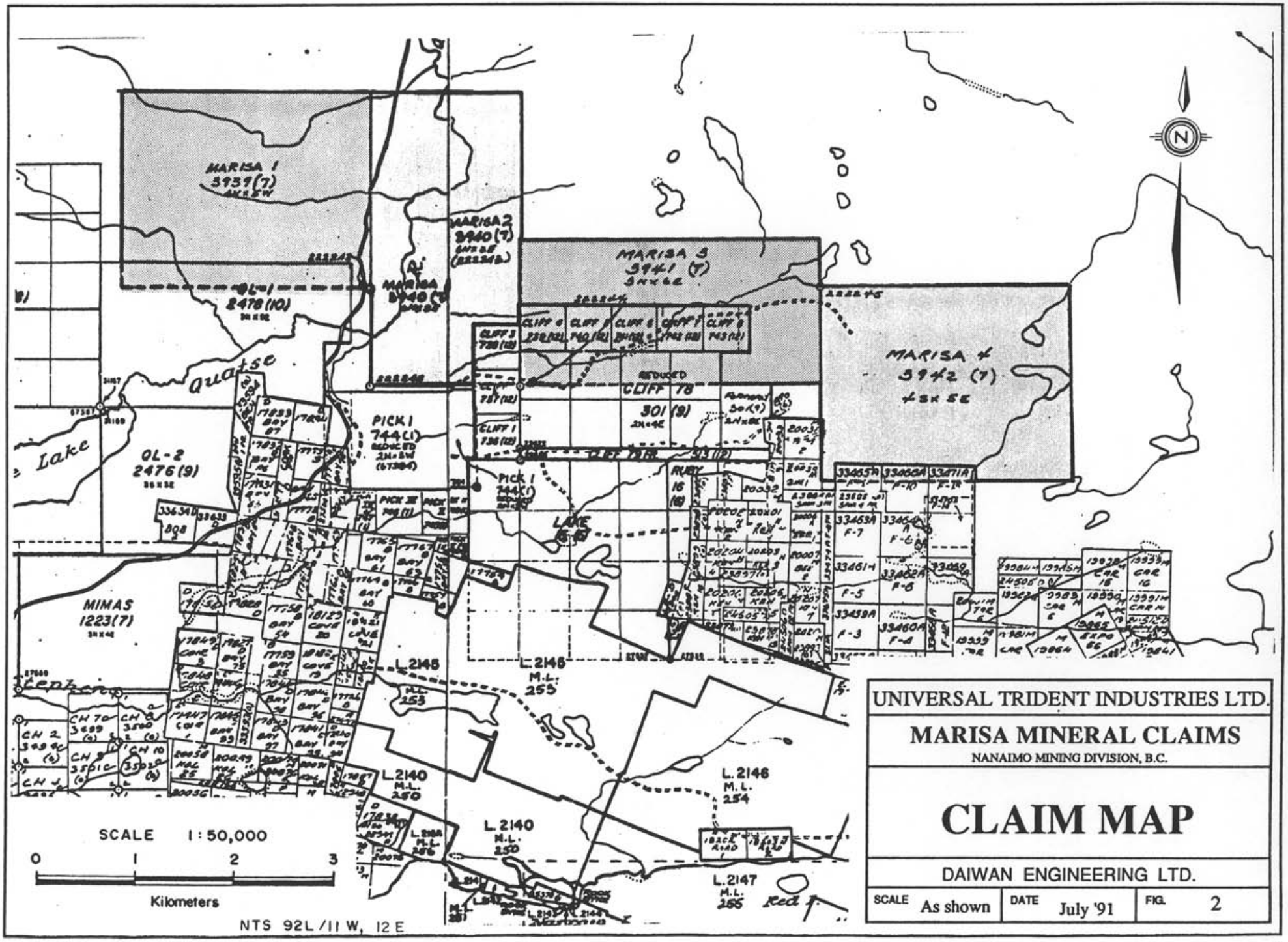
MARISA MINERAL CLAIMS

NANAIMO MINING DIVISION, B.C.

LOCATION MAP

DAIWAN ENGINEERING LTD.

SCALE	DATE	FIG.
As shown	July '91	1


MARISA 1
3939(7)
MARISA 2
3940(7)
MARISA 3
3941 (7)
3 SX 6E
MARISA 4
3942 (7)
4 SX 5E
2478(10)
OL-2
2476(9)
PICK 1
744(1)
MIMAS
1223(7)
301 (9)
REDUCED CLIFF 78
L.2148
M.L.
255
L.2146
M.L.
254
L.2140
M.L.
250
L.2147
M.L.
285
SCALE 1:50,000
0 1 2 3
Kilometers
NTS 92L/11W, 12E
UNIVERSAL TRIDENT INDUSTRIES LTD.
MARISA MINERAL CLAIMS
NANAIMO MINING DIVISION, B.C.
CLAIM MAP
DAIWAN ENGINEERING LTD.
SCALE As shown
DATE July '91
FIG. 2

1. INTRODUCTION

Induced Polarization (IP), resistivity and total field magnetic surveys have been carried out on the Marisa Project at the request of Daiwan Engineering Ltd. by Pacific Geophysical Limited. The property, located approximately 6 km south of Port Hardy, on northern Vancouver Island, was accessed by road.

Field work was carried out during the period January 10, 1992 to January 14, 1992 under the direction of Michael J. Cormier, geophysicist. A total of 12.3 line-kilometers of IP / resistivity data and 16.3 line-kilometers of total field magnetic data was acquired.

2. DESCRIPTION OF CLAIMS

The Marisa Project is comprised of the following claims, all of which are located in the Nanaimo Mining Division and owned by Daiwan Engineering Ltd.:

Name	Record No.	Units	Expiry Date
Marisa 1	3939	20	July 25, 1992
Marisa 2	3940	18	July 25, 1992
Marisa 3	3941	18	July 20, 1992
Marisa 4	3942	20	July 20, 1992

3. DESCRIPTION OF GEOLOGY

The geology of the area is dominated by the Quatse Diorite intrusive body, andesitic volcanics and limestone. For a more complete description of the property geology, the reader is referred to the "**PROSPECTING AND SAMPLING REPORT ON THE MARISA MINERAL CLAIMS, NORTH VANCOUVER ISLAND, BRITISH COLUMBIA**" by Ron Bilquist and P.G. Dasler of Daiwan Engineering Ltd., dated July 19, 1991.

4. INSTRUMENT SPECIFICATIONS

The IP / resistivity measurements were made using an EDA Model IP-6 six channel time domain receiver set to "mode 3" whereby a delay time (TD = 80 milliseconds) is followed by 10 measurement windows (td = 80,80,80,80,160,160,160,360,360 and 360 milliseconds) yielding a total integration time of 1880 milliseconds. The signal used to make the measurements was provided by a Phoenix Model IPT-1 transmitter producing a 2 second on / 2 second off square wave of alternating polarities. The transmitter was powered by a 2 kilowatt motor generator set. IP effects were recorded as chargeability in milliseconds while apparent resistivity values were normalized in units of ohm - meters.

A GEM Systems Model GSM-19 Overhauser magnetometer was employed to collect the total field magnetic data along the grid lines while

an EDA Model PPM-375 magnetometer monitored the magnetic field at the base station. At the end of each day, the recorded base station data were combined with the field readings to correct for diurnal variations in the earth's magnetic field.

5. SURVEY SPECIFICATIONS

The IP / resistivity was carried out using the pole - dipole array with an interelectrode spacing of 50 meters. The moving current electrode was to the south of the potential electrode pair. Measurements were made at stations along grid lines spaced 200 meters apart, recording four dipole separations in each case.

Total field magnetic readings were made at 25 meter intervals along the same grid lines referred to above, as well as on three additional 200 meter spaced lines located west of the IP survey lines.

6. DATA PRESENTATION

The induced polarization and resistivity results are shown on the following data plots in pseudosection format:

Line	Electrode Interval	Reading Interval	Total Coverage
1200W	50 meters	200S - 1500S	1300 meters
1000W	50 meters	0 - 1500S	1500 meters
800W	50 meters	0 - 1500S	1500 meters

600W	50 meters	0 - 1500S	1500 meters
400W	50 meters	0 - 1500S	1500 meters
200W	50 meters	0 - 1500S	1500 meters
0	50 meters	0 - 1400S	1400 meters
200E	50 meters	0 - 1100S	1100 meters
400E	50 meters	0 - 1000S	1000 meters

Also included with this report is a contoured, posted, 1:5000 scale plan map (PLAN: MRSAIP) of the 10-point Fraser-filtered chargeability values which includes the IP interpretation. The Fraser filter value is arrived at by calculating an average value for each dipole separation using one n=1 value, two n=2 values, three n=3 values and four n=4 values. These results are then further averaged to yield one number which can be contoured in plan view. The strong, moderate and weak IP anomalies are indicated by bars in the manner shown on the plan map legend as well as on the pseudosections. These bars represent the surface projection of the anomalous zones interpreted from the transmitting and receiving electrode locations when the anomalous values were measured. The contoured, posted Fraser filtered resistivity data are illustrated on the 1:5000 scale plan map labelled PLAN: MRSARES.

Magnetic survey results are posted and contoured on the 1:5000 scale plan map labelled PLAN: MRSAMAG.

7. DISCUSSION OF RESULTS

The present Induced Polarization (IP) and resistivity survey, and total field magnetometer survey, has evaluated an area of

intrusive rocks centered on the Marisa #1 Claim. Chalcopyrite mineralization has been discovered within fine grained diorite along a stream bed that cuts across the geophysical grid.

Somewhat higher than background IP effects are detected underlying the entire southeastern half of the survey area, with the creek that exposes the copper mineralization striking across the northern region of the anomalous IP zone. This anomalous response is currently undefined in three directions. The southern portion of the IP zone correlates well with a distinctive magnetic anomaly, which is itself roughly coincident with higher than normal resistivity values.

Five diamond drill holes have been completed in the vicinity of the geophysical anomalies. Locations of these holes are shown on the induced polarization plan MRSAIP, together with the interpreted outline of the anomalous IP zone. All of the above holes are reported to have intersected chalcopyrite mineralization, with diamond drill hole M92-1 reportedly encountering significant copper values over its entire length. Diamond drill hole M92-2 was collared well within the area of anomalous IP effects, on the northeastern flank of the coincident magnetic anomaly, and encountered magnetite rich diorite. Some chalcopyrite mineralization was reported associated with felsic dykes intersected near the bottom of this hole.

There seems to be a good correlation between the magnitude of the observed IP effects, and sulphide and/or magnetite concentration. Hole M92-5 tested the least anomalous IP effects of any of the five diamond drill holes. It would appear that this hole also returned the least amount of polarizable material.

8. CONCLUSIONS AND RECOMMENDATIONS

The IP survey centered on the Marisa #1 Claim has outlined part of a moderately anomalous zone which has been drill tested in five locations. As all of these diamond drill holes encountered some degree of copper mineralization, additional geophysical surveying is recommended to extend the boundaries of the anomalous IP zone, particularly towards the northeast and southeast. The southern extension of the zone appears to be complicated by the presence of widespread magnetite, and should be given lower priority for follow up work at this time. Further drill holes could be positioned once the IP zone was fully outlined.

Pacific Geophysical Ltd.

Paul A. Cartwright, P.Geoph.

Michael J. Cormier, B.Sc.

Dated: February 14, 1992

9. PERSONNEL

The personnel utilized during the geophysical program are listed below:

Name	Occupation	Address	Date
M. Cormier	Geophysicist	212-744 W.Hastings St. Vancouver, B.C.	Jan.10-14/92 Feb. 3-6 /92
J. Jordan	Geophysicist	"	Jan.10-14/92
A. Pratt	Helper	"	Jan.10-14/92
A. Sperling	Helper	"	Jan.10-14/92
S. Fleming	Helper	"	Jan.10-14/92
M. Steiner	Helper	"	Jan.10-14/92
P. Cartwright	Geophysicist	"	Feb. 4-5 /92

PACIFIC GEOPHYSICAL LIMITED

Paul A. Cartwright

Paul A. Cartwright, P.Geoph.

Dated: February 14, 1992.

10. STATEMENT OF COST

Reference: Marisa Project

Data Acquisition		$ 8,100.00
Mobilization - Demobilization		$ 750.00
Data Processing, Plotting, Reproduction		$ 1,035.00
Interpretation and Report Preparation		$ 1,050.00
	Subtotal	$ 10,935.00
	G.S.T.	$ 765.45
	Subtotal	$ 11,700.45
Motel Expense (includes $22.68 G.S.T.)		$ 372.60
	Total	$ 12,073.05

PACIFIC GEOPHYSICAL LTD.

Paul A. Cartwright

Paul A. Cartwright, P.Geoph.

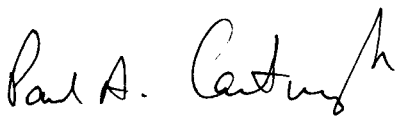
Dated: February 14, 1992.

11. CERTIFICATE

I, Paul A. Cartwright, of the City of Vancouver, Province of British Columbia, do hereby certify:

1. I am a geophysicist residing at 4238 West 11th Avenue, Vancouver, British Columbia.
2. I am a graduate of the University of British Columbia, with a B.Sc. degree (1970).
3. I am a member of the Society of Exploration Geophysicists, the European Association of Exploration Geophysicists and the Canadian Society of Exploration Geophysicists.
4. I have been practising my profession for 21 years.
5. I am a Professional Geophysicist licensed in the Province of Alberta.
6. I have no direct or indirect interest, nor do I expect to receive any interest, directly or indirectly, in the property or securities of Daiwan Engineering Ltd. or any affiliates.
7. Permission is granted to use in whole or in part for assessment and qualification requirements but not for advertising purposes.

Dated at Vancouver, British Columbia this 14th day of February, 1992.



PAUL A. CARTWRIGHT, P.GEOPH.

12. CERTIFICATE

I, Michael J. Cormier, of the City of Vancouver, Province of British Columbia, do hereby certify:

1. I am a geophysicist residing at 5512 Kings Road, Vancouver, British Columbia.

2. I am a graduate of McGill University, Montreal, Quebec with a B.Sc. degree (1981).

3. I have been practising my profession for 10 years.

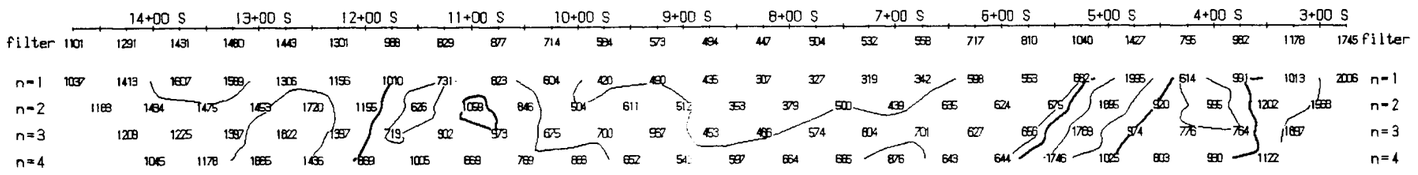
4. I have no direct or indirect interest, nor do I expect to receive any interest, directly or indirectly, in the property or securities of Daiwan Engineering Ltd. or any affiliates.

5. Permission is granted to use in whole or in part for assessment and qualification requirements but not for advertising purposes.

Dated at Vancouver, British Columbia this 14th day of February, 1992.

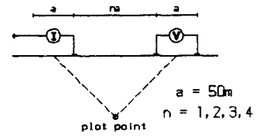
Michael J. Cormier

MICHAEL J. CORMIER, B.Sc.


14+00 S
13+00 S
12+00 S
11+00 S
10+00 S
9+00 S
8+00 S
7+00 S
6+00 S
5+00 S
4+00 S
3+00 S
filter 1101 1291 1431 1480 1443 1301 988 829 877 714 584 573 494 447 504 532 558 717 810 1040 1427 795 982 1178 1745 filter
n=1 1037 1413 1607 1588 1306 1156 1010 731 823 604 420 490 435 307 327 319 342 598 553 692 1995 614 991 1013 2006 n=1
n=2 1188 1484 1475 1453 1720 1195 626 1058 846 504 611 513 353 379 500 439 635 624 675 1895 920 935 1202 1588 n=2
n=3 1208 1225 1597 1822 1357 719 902 973 675 700 957 453 495 574 604 701 627 856 1769 574 776 764 1887 n=3
n=4 1045 1178 1885 1455 669 1005 668 769 888 652 54 597 664 685 876 649 644 1746 1025 803 990 1122 n=4
RESISTIVITY
(ohm_m)
14+00 S
13+00 S
12+00 S
11+00 S
10+00 S
9+00 S
8+00 S
7+00 S
6+00 S
5+00 S
4+00 S
3+00 S
filter 4.5 4.8 4.7 4.5 4.6 4.7 4.7 4.5 4.7 4.6 4.6 5 5.2 4.4 4.4 4 4 4 4.1 4.1 4.6 4.1 3.6 4.1 4.2 filter
?
n=1 4.6 5.2 4.4 3.7 4.2 4.4 4.7 4.3 4.5 4.1 3.7 4.2 5.7 3.5 4.4 3.8 3.8 3.2 3 2.4 3.9 3.7 3.4 4.1 4 n=1
n=2 4.6 5.1 5 4.5 4.6 4.9 4.2 4.7 4.6 4.4 5.1 5.8 4.8 4.4 4 3.8 4.1 4.1 3.9 4.6 5 2.7 3.8 4.7 n=2
n=3 4.4 4.9 4.5 5.1 5.1 4.8 4.3 4.8 4.6 5.1 5.3 4.5 4.7 4.4 4.3 3.8 4.5 3.9 5.2 5.4 3.9 3.2 4.4 n=3
n=4 4.1 4.5 5 5.6 4.2 4.4 5.4 4.4 5.4 5.4 4.8 5.5 4.4 4.4 4.3 4 3.8 5.7 6.2 3.9 3.9 4 n=4
OBS. CHARGEABILTY
(msec)
14+00 S
13+00 S
12+00 S
11+00 S
10+00 S
9+00 S
8+00 S
7+00 S
6+00 S
5+00 S
4+00 S
3+00 S
filter 4.1 3.8 3.3 3.1 3.3 3.9 5 5.6 5.4 6.7 8.1 8.9 11 10 9.6 8.3 7.8 5.8 5.6 4.4 3.7 5.2 3.8 3.6 2.5 filter
n=1 4.5 3.7 2.7 2.3 3.2 3.8 4.7 5.9 5.5 6.7 8.9 8.6 13 12 13 12 11 5.3 5.4 3.5 2 6.1 3.4 4 2 n=1
n=2 3.9 3.6 3.4 3.1 2.7 4.2 6.6 4.4 5.5 8.7 8.4 11 14 12 8 8.6 6.5 6.6 5.8 2.5 5.4 4.6 3.2 3 n=2
n=3 3.6 4 3.2 2.8 3.6 6.7 4.8 4.9 6.8 7.3 9.2 10 10 7.7 7.1 5.4 7.2 6 2.9 5.6 5 4.2 2.6 n=3
n=4 3.9 3.8 2.6 3.8 4.8 4.4 6.3 5.8 6.1 8.3 8.9 9.2 8.7 6.6 4.9 6.3 6 3.3 6 4.8 4.2 3.6 n=4
METAL FACTOR
(ip/res * 1000)

Line 1200 W

Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP 6
Frequency : 2s ON / 2s OFF
Operators : MJC, JLJ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

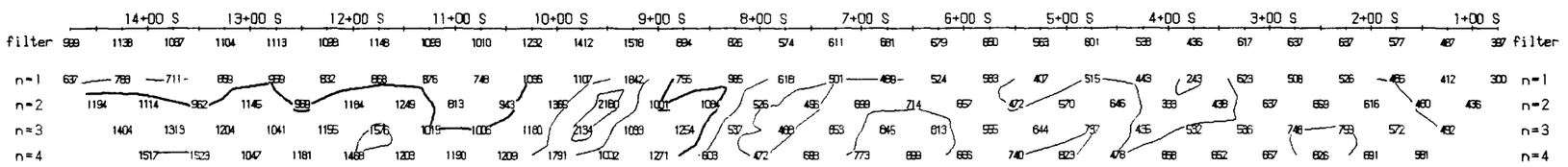
DAIWAN ENGINEERING

INDUCED POLARIZATION SURVEY
Line 1200 W
Marisa Property, Nanaimo M.D., B.C.

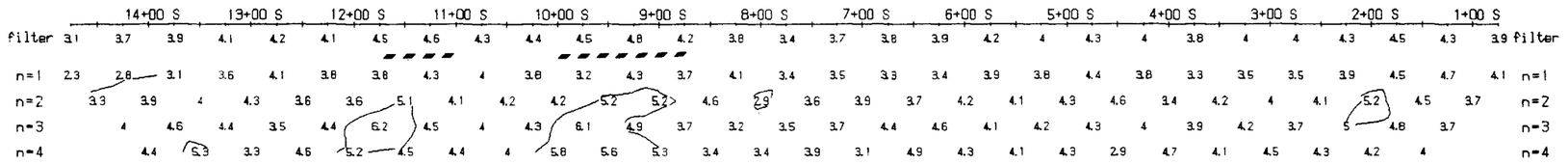
Date: January 1992
Interpretation by:

Pacific Geophysical

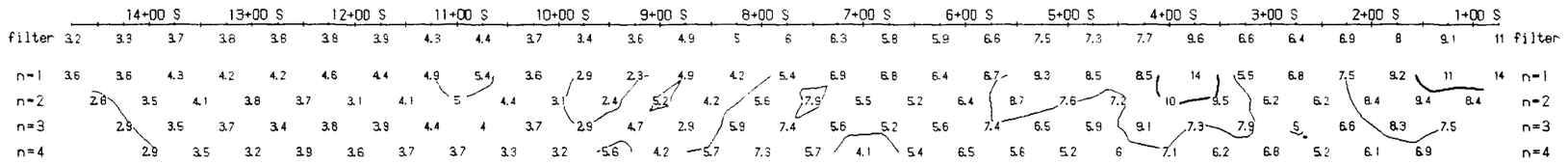
GEOSOFT (tm) Software for the Earth Sciences, Toronto, Canada



RESISTIVITY
(ohm_m)



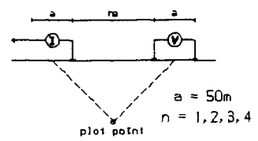
OBS. CHARGEABILTY
(msec)



METAL FACTOR
(ip/res * 10000)

Line 1000 W

Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP 6
Frequency : 2s ON / 2s OFF
Operators : NJC, JLJ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

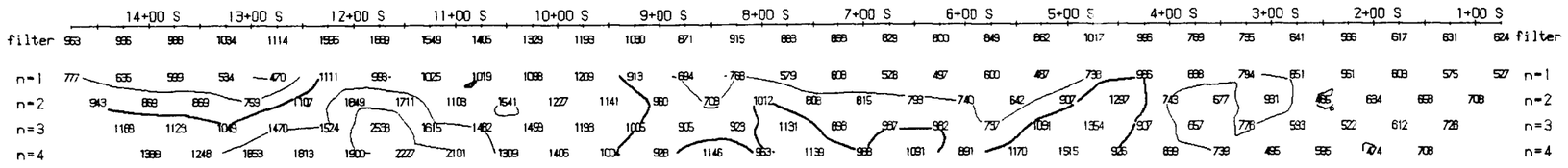
DAIWAN ENGINEERING

INDUCED POLARIZATION SURVEY
Line 1000 W
Merise Property, Nanaimo M.D., B.C.

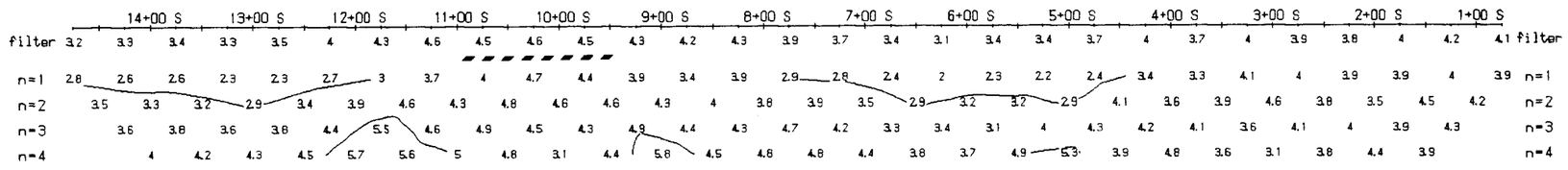
Date: January 1992
Interpretation by: pse

Pacific Geophysical

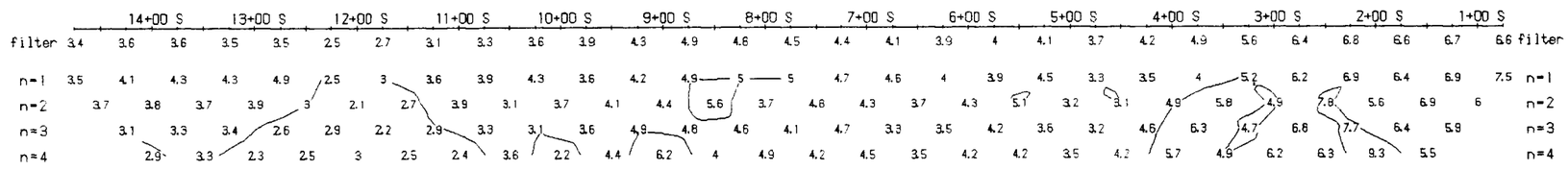
GEOSOFT (tm) Software For the Earth Sciences, Toronto, Canada



RESISTIVITY
(ohm_m)



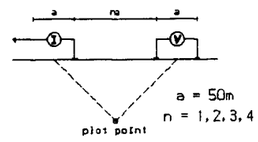
OBS. CHARGEABILTY
(msec)



METAL FACTOR
(ip/res * 1000)

Line 800 W

Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP 6
Frequency : 2s ON / 2s OFF
Operators : MJC, JLJ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

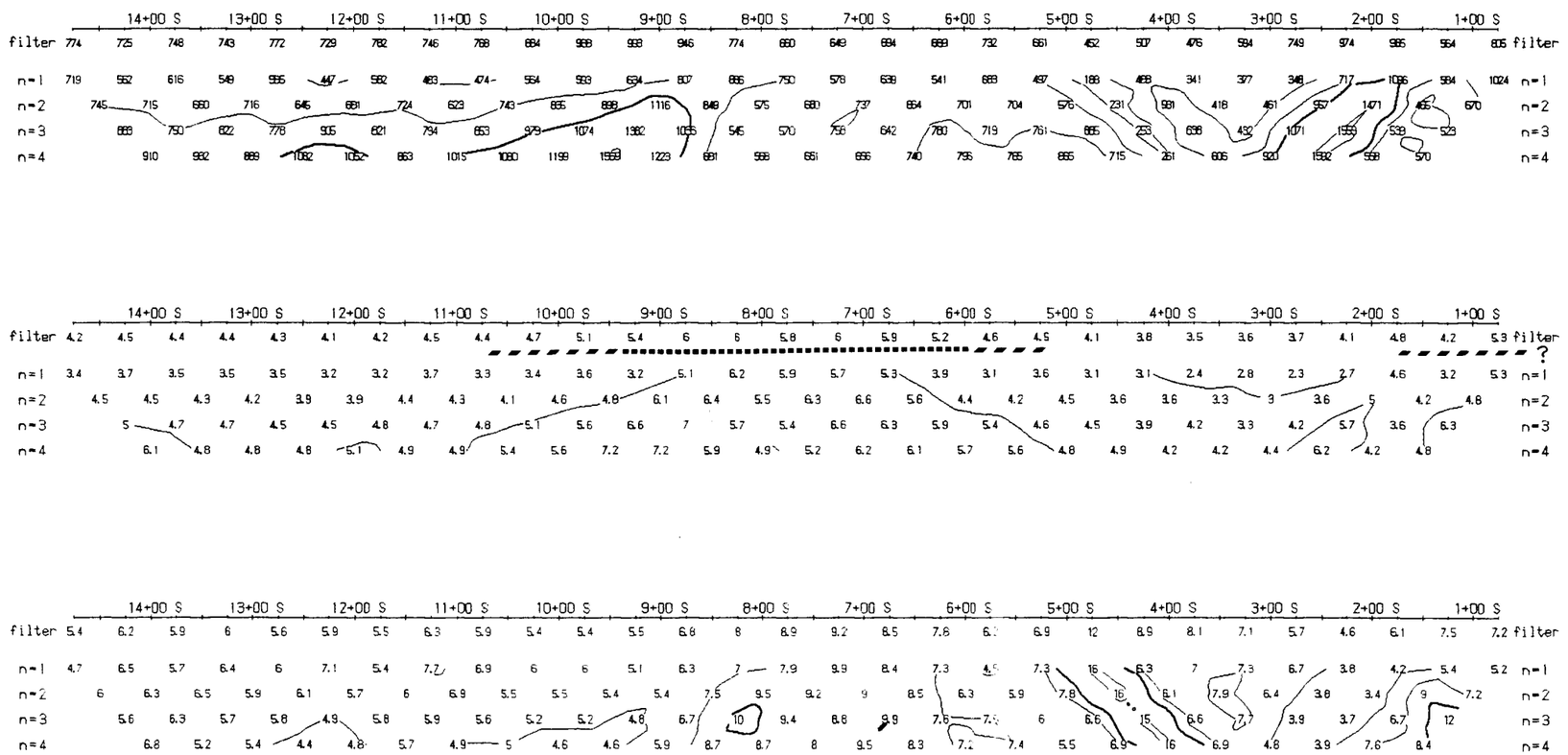
DAIWAN ENGINEERING

INDUCED POLARIZATION SURVEY
Line 800 W
Merisa Property, Nanaimo M.D., B.C.

Date: January 1992
Interpretation by:

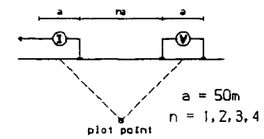
Pacific Geophysical

GEOSOFT (tm) Software For the Earth Sciences, Toronto, Canada



Line 600 W

Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP 6
Frequency : 2s ON / 2s OFF
Operators : MJC, JLJ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

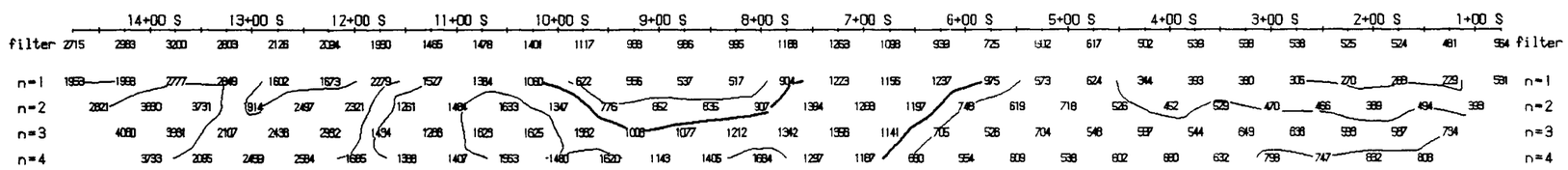
DAIWAN ENGINEERING

INDUCED POLARIZATION SURVEY
Line 600 W
Marisa Property, Nanaimo M.D., B.C.

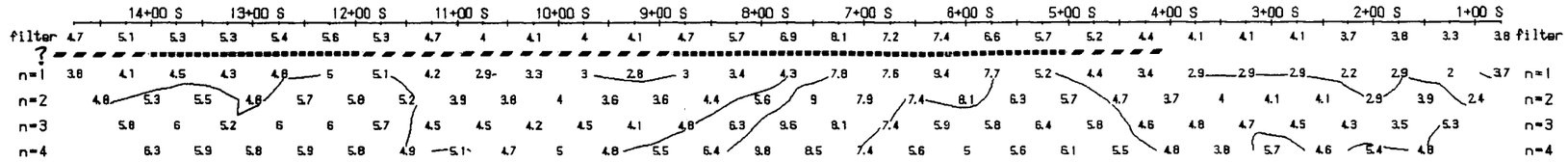
Date: January 1992
Interpretation by:

Pacific Geophysical

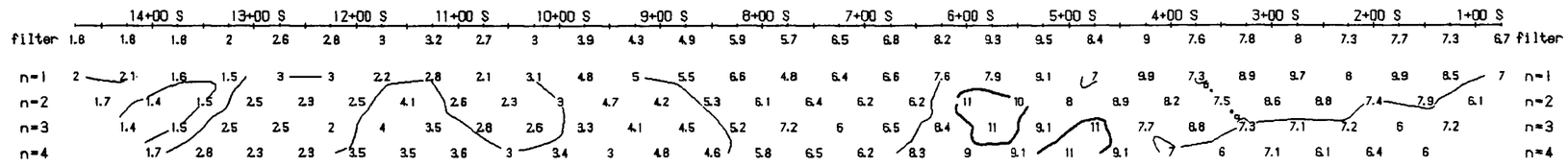
GEOSOFT (tm) Software for the Earth Sciences, Toronto, Canada



RESISTIVITY
(ohm_m)



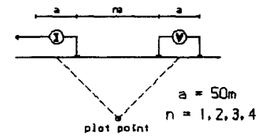
OBS. CHARGEABILTY
(msec)



METAL FACTOR
(ip/res * 1000)

Line 400 W

Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP 6
Frequency : 2s ON / 2s OFF
Operators : NJC, JLJ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

DAIWAN ENGINEERING

INDUCED POLARIZATION SURVEY

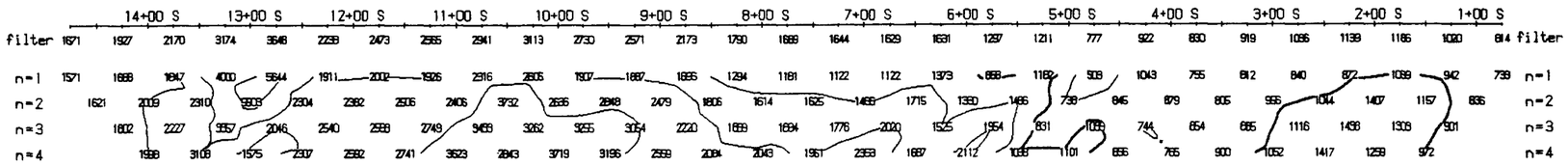
Line 400 W

Marisa Property, Nanaimo M.D., B.C.

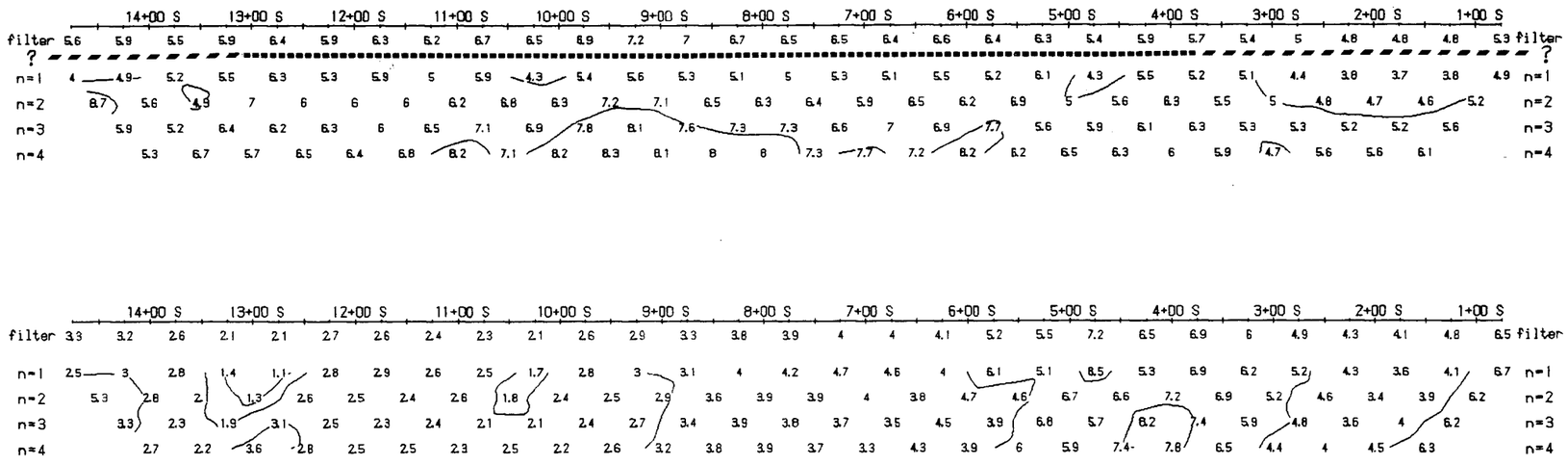
Date: January 1992
Interpretation by:

Pacific Geophysical

GEOSOFT (tm) Software For the Earth Sciences, Toronto, Canada



RESISTIVITY
(ohm_m)

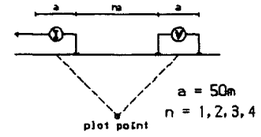


OBS. CHARGEABILTY
(msec)

METAL FACTOR
(ip/res * 1000)

Line 200 W

Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP 6
Frequency : 2s ON / 2s OFF
Operators : MJC, JLJ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

DAIWAN ENGINEERING

INDUCED POLARIZATION SURVEY

Line 200 W

Merisa Property, Nanaimo M.D., B.C.

Date: January 1992
Interpretation by:

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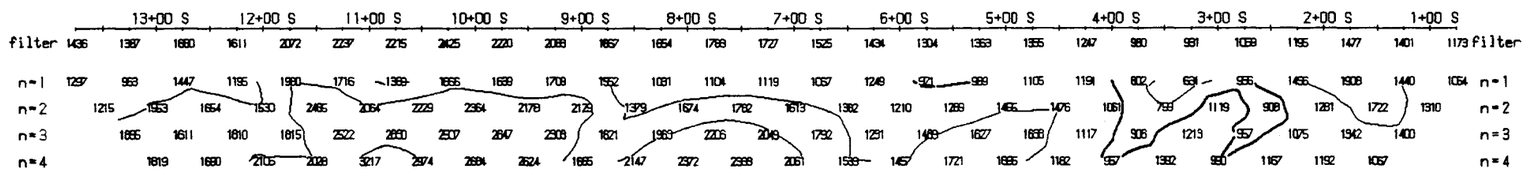
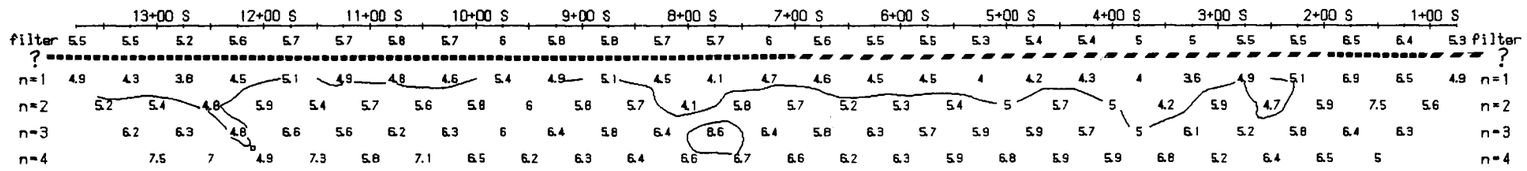
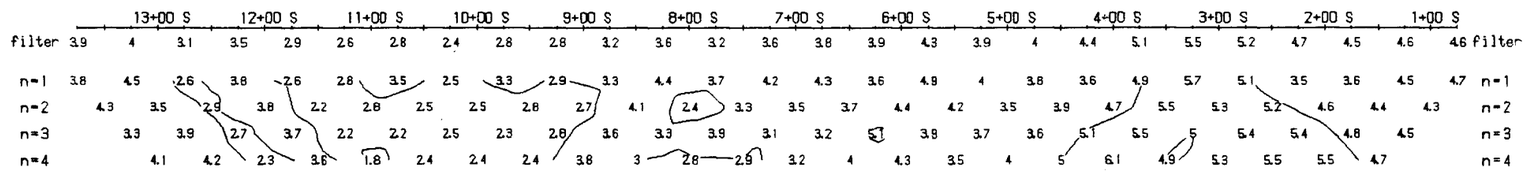


RESISTIVITY
(ohm_m)



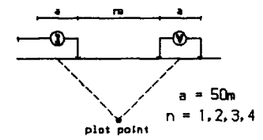
OBS. CHARGEABILTY
(msec)



METAL FACTOR
(ip/res * 1000)

Line 0

Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : EDA IP 6
Frequency : 2s ON / 2s OFF
Operators : MJC, JLJ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

DAIWAN ENGINEERING

INDUCED POLARIZATION SURVEY
Line 0
Merise Property, Nanaimo M.D., B.C.

Date: January 1992
Interpretation by:

Pacific Geophysical

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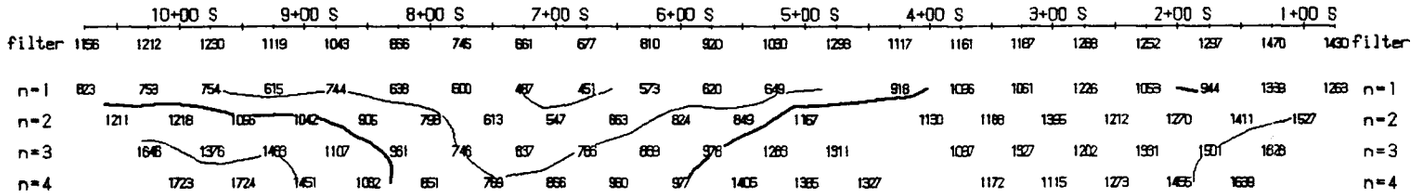
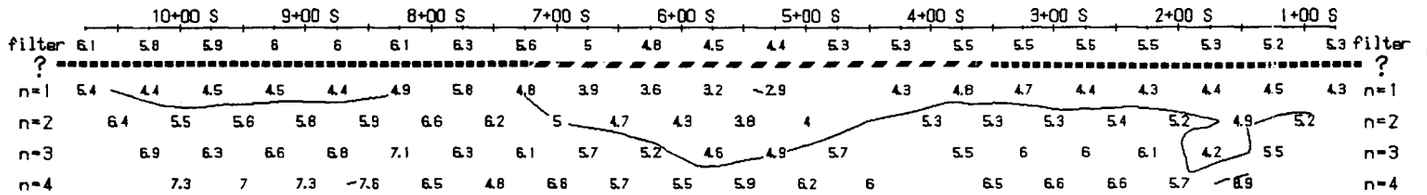
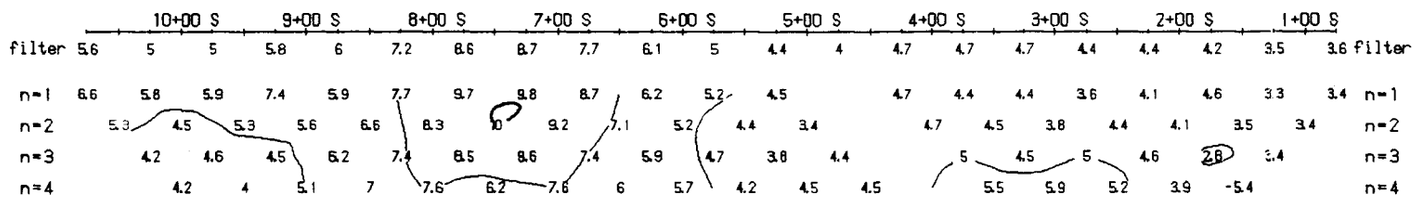


RESISTIVITY
(ohm_a)



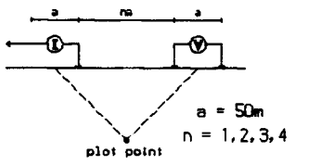
OBS. CHARGEABILTY
(msec)



METAL FACTOR
(ip/res * 1000)

Line 200 E

Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10....

Instrument : EDA IP 6
Frequency : 2s ON / 2s OFF
Operators : MJC, JLJ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

DAIWAN ENGINEERING

INDUCED POLARIZATION SURVEY

Line 200 E

Marisa Property, Nanaimo M.D., B.C.

Date: January 1992
Interpretation by:

Pacific Geophysical

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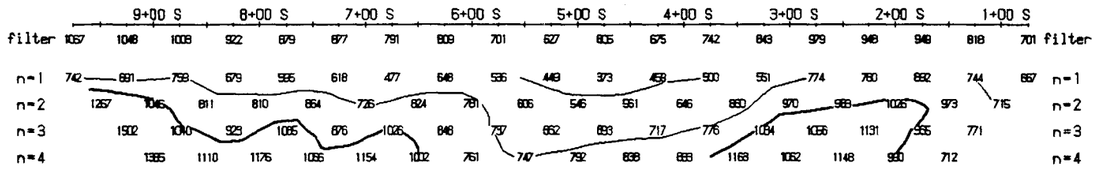
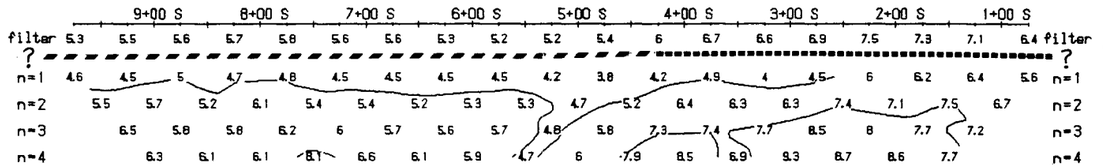
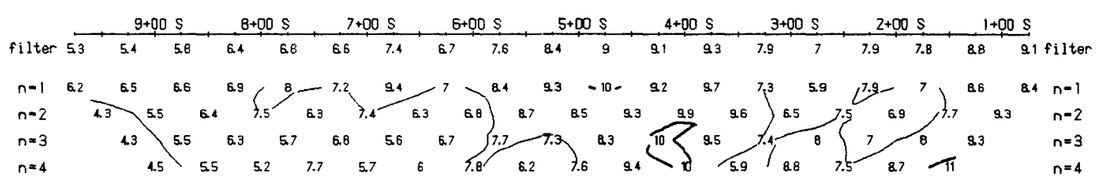


RESISTIVITY
(ohm_m)



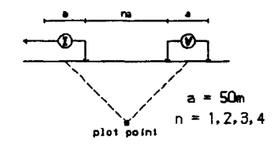
OBS. CHARGEABILTY
(msec)



METAL FACTOR
(1p/res * 1000)

Line 400 E

Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10....

Instrument : EDA IP 6
Frequency : 2s ON / 2s OFF
Operators : MJC, JLJ

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Weak increase in polarization

DAIWAN ENGINEERING

INDUCED POLARIZATION SURVEY
Line 400 E
Marisa Property, Nanaimo M.D., B.C.

Date: January 1992
Interpretation by:

Pacific Geophysical

GEOSOFT (tm) Software For the Earth Sciences, Toronto, Canada

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,243

INTERPRETATION

- Strong Increase in Polarization
- Moderate Increase in Polarization
- Weak Increase in Polarization
- Outline of Anomalous Zone

Instrument : IP-6
Pole-Dipole array, a=50m, n=1-6
Current Electrode to the South
Contour Interval : 0.5 msec
10 Point Filter Presentation:

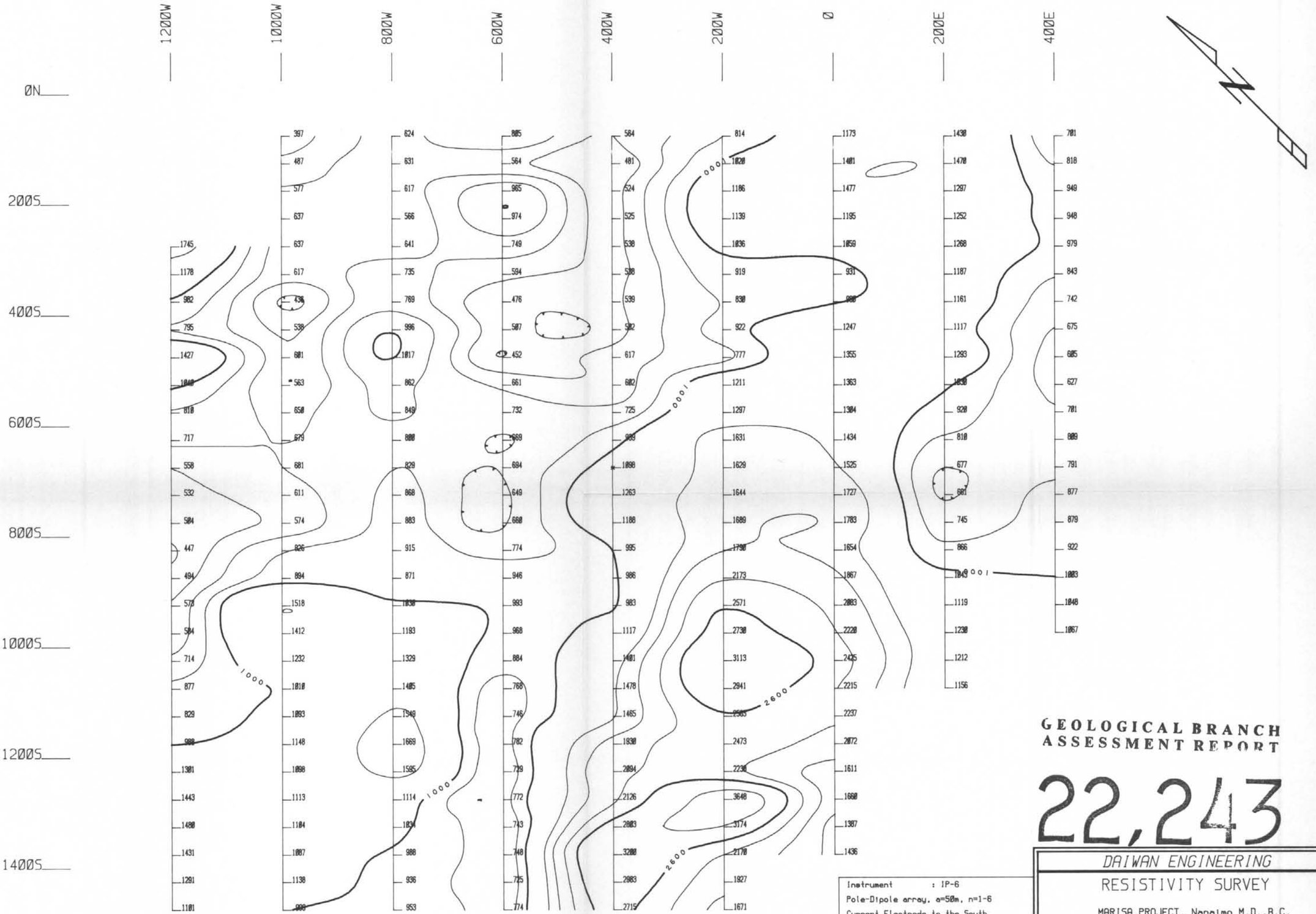
To accompany report by P.A. Cartwright and M.J. Cormier, dated Feb. 14, 1992.

DAIWAN ENGINEERING

INDUCED POLARIZATION SURVEY

MARISA PROJECT, Nanaimo M.D., B.C.
BASELINE AZIMUTH : 135 Deg.

SCALE = 1 : 5000 DATE : Jan. 92
SURVEY BY : MJC/JJ NTS : 92L/11W,12E
PLAN : MRSAIP
Pacific Geophysical



Instrument : IP-6

Pole-Dipole array, a=50m, n=1-6

Current Electrode to the South

Contour Interval: 1,1.5,1.8,2.2,2.6, 3.2,3.8,4.6,5.6,6.8,8.3,10,... ohm-m

10 Point Filter Presentation: *

To accompany report by P.A. Cartwright and M.J. Cormier, dated Feb. 14, 1992.

GEOLOGICAL BRANCH ASSESSMENT REPORT

22,243

DAIWAN ENGINEERING

RESISTIVITY SURVEY

MARISA PROJECT, Nanaimo M.D.,B.C.

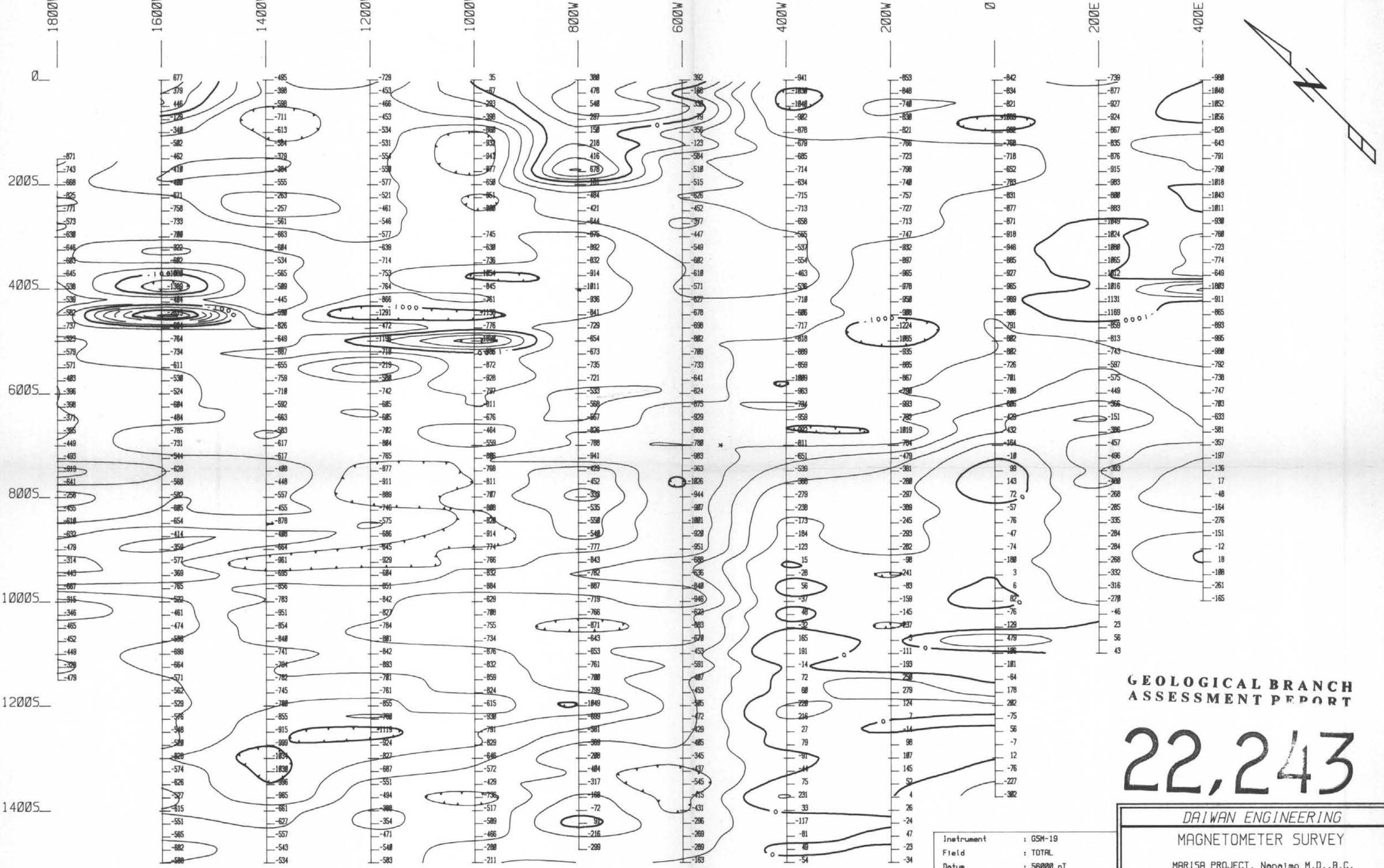
BASELINE AZIMUTH : 135 Deg.

SCALE = 1 : 5000 DATE : Jan. 92

SURVEY BY : MJC/JJ NTS : 92L/11W,12E

PLAN : MRSARES

Pacific Geophysical



GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,243

Instrument	: GSM-19
Field	: TOTAL
Datum	: 56000 nT
Contour Interval	: 200 nT
Station Spacing	: 25 m

To accompany report by P.A. Cartwright and M.J. Cormier dated Feb. 14, 1992.

DAIWAN ENGINEERING

MAGNETOMETER SURVEY

MARISA PROJECT, Nanaimo M.D.,B.C.
BASELINE AZIMUTH : 135 Deg.

SCALE = 1:5000 DATE : Jan. 92
SURVEY BY : JJ/AS/SF NTS : 92L/11W,12E
PLAN : MRSAMAG

Pacific Geophysical