MAP NO.:	**ASSESSMENT REPORT** X	**DOCUMENT NO:** 092869
	PROSPECTUS	**MINING DISTRICT:** Whitehorse
105 C 5	**CONFIDENTIAL** X	**TYPE OF WORK:** Geology
105 D 8	**OPEN FILE**	Geophysics

REPORT FILED UNDER: Dunvegan Exploration Limited

DATE PERFORMED: June 29 - August 3 **DATE FILED:** July 4, 90

LOCATION: **LAT.:** 60°25'N **AREA:** Jake's Corner

LONG.: 133°37'W **VALUE $:** 82 248.51

CLAIM NAME & NO.: TOG 1-73, GOT 1-29, POT 1-16
BUG 1-50
PHIL 1-12

WORK DONE BY: D.A. Shaw, D.J. Copland, W.A. Taylor

WORK DONE FOR: Dunvegan Exploration Limited

DATE TO GOOD STANDING:	

REMARKS: This report covers three properties located along the Alaska highway from the south end of Marsh lake to the south end of Squanga Lake. Work on the properties includes grid establishment, rock and soil sampling, geological mapping and geophysical surveying. Mineralization appears within coarse clastic sediments and volcanics within a major shear zone on the BUG claims and quartz veining hosting visible gold on the TOG property.

Indian and Northern Affairs Canada | Affaires indiennes et du Nord Canada

OFFICE OF THE REGIONAL MANAGER MINERAL RIGHTS JUL 06 1990 WHITEHORSE YUKON TERRITORY

TRANSMITTAL FORM

M.R. file no. 340-13-2
R.M.M.R. file no.
Date forwarded

From ▶ Mining Recorder at: Whitehorse

To ▶ Regional Manager, Mineral Rights at Whitehorse, Y.T.

For action are:

- ☐ NEW APPLICATION FOR PLACER LEASE TO PROSPECT — Name
- ☐ RENEWAL APPLICATION PLACER LEASE TO PROSPECT — Name — Lease no.
- ☐ AFFIDAVIT OF EXPENDITURE ON PLACER LEASE — Name — Lease no.
- ☐ SECURITY DEPOSIT
- ☐ FINANCIAL ABILITY
- ☐ ASSIGNMENT OF PLACER LEASE NO. — From — To
- ☐ GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT. — Owner
- ☐ DIAMOND DRILL LOGS — Claims — Claim sheet no.
- ☑ QUARTZ ASSESSMENT REPORT — Claims: BUG, GOT, TOG, POT — Claim sheet no.

Type of report: Geological
Submitted by: Dunvegan Expl. Ltd.
Cls. work performed on: BUG, GOT, TOG, POT
$ req. for ren. application: 12,500.00

H Sawatsky
Signature

REPLY ACTION

Date returned

Technically, a very fine report, but when were the claims on which the work was done staked?

D J Bennett
072869

Signature

802-6027-26 (6-86)

GEOPHYSICAL SURVEYS

BUG AND TOG PROPERTIES

YUKON TERRITORY

NTS 105/C5-D8

for

DUNVEGAN EXPLORATION LTD.

by

John P. Steele

July, 1989

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $_____.

Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

TABLE OF CONTENTS

	PAGE
INTRODUCTION	1
LOCATION AND ACCESS	1
PROPERTY	2
GEOPHYSICAL SURVEYS	
Instrumentation	2
Survey Configuration	3
BUG Property	4
TOG Property	5
DATA PRESENTATION	6
INTERPRETATION	
BUG Property	7
TOG Property	9
CONCLUSIONS AND RECOMMENDATIONS	
BUG Property	11
TOG Property	12

LIST OF FIGURES

FIGURE #	PROPERTY	GRID	PARAMETER MAPPED	SCALE
1	BUG & TOG		CLAIM LOCATION MAP	
2	BUG	SHOWING	GRID & VLF INTERPRETATION	1:500
3	BUG	MAIN	GRID & VLF INTERPRETATION	1:5000
4	TOG	SHOWING	GRID & VLF INTERPRETATION	1:500
5	TOG	MAIN	GRID & VLF INTERPRETATION	1:5000
6	BUG	SHOWING	TOTAL FIELD MAGNETICS	1:500
7	BUG	MAIN	TOTAL FIELD MAGNETICS	1:5000
8	BUG	MAIN	TOTAL FIELD MAGNETICS	1:2500
9	BUG	SHOWING	VLF PROFILES	1:500
10	BUG	MAIN	VLF PROFILES	1:5000
11	BUG	SHOWING	FRASER FILTERED VLF	1:500
12	BUG	MAIN	FRASER FILTERED VLF	1:5000
13	BUG	MAIN	FRASER FILTERED VLF	1:2500
14	TOG	SHOWING	TOTAL FIELD MAGNETICS	1:500
15	TOG	MAIN	TOTAL FIELD MAGNETICS	1:5000
16	TOG	MAIN	TOTAL FIELD MAGNETICS	1:2500
17	TOG	SHOWING	VLF PROFILES	1:500
18	TOG	MAIN	VLF PROFILES	1:5000
19	TOG	SHOWING	FRASER FILTERED VLF	1:500
20	TOG	MAIN	FRASER FILTERED VLF	1:5000
21	TOG	MAIN	FRASER FILTERED VLF	1:2500

INTRODUCTION:

Gold mineralization has been identified on the Bug and Tog properties held by Dunvegan Exploration Limited. Preliminary geological mapping indicates that this mineralization and alteration which may be associated with it could be located within broad shear zones and may be localized by smaller structures within the major zones.

A two fold geophysical programme was performed which was designed to define the boundaries of the major structure and to delineate any secondary structures within the major zone. Magnetic measurements were made to outline areas underlain by different geological units. VLF-EM (Very Low Frequency Electromagnetic) measurements were conducted to attempt to delineate shear zones which may exhibit some conductivity. The surveys were performed in July, 1989. They were intended as orientation surveys to test the effectiveness of the two geophysical methods in satisfying the desired objectives and to plan further detailed geophysical work.

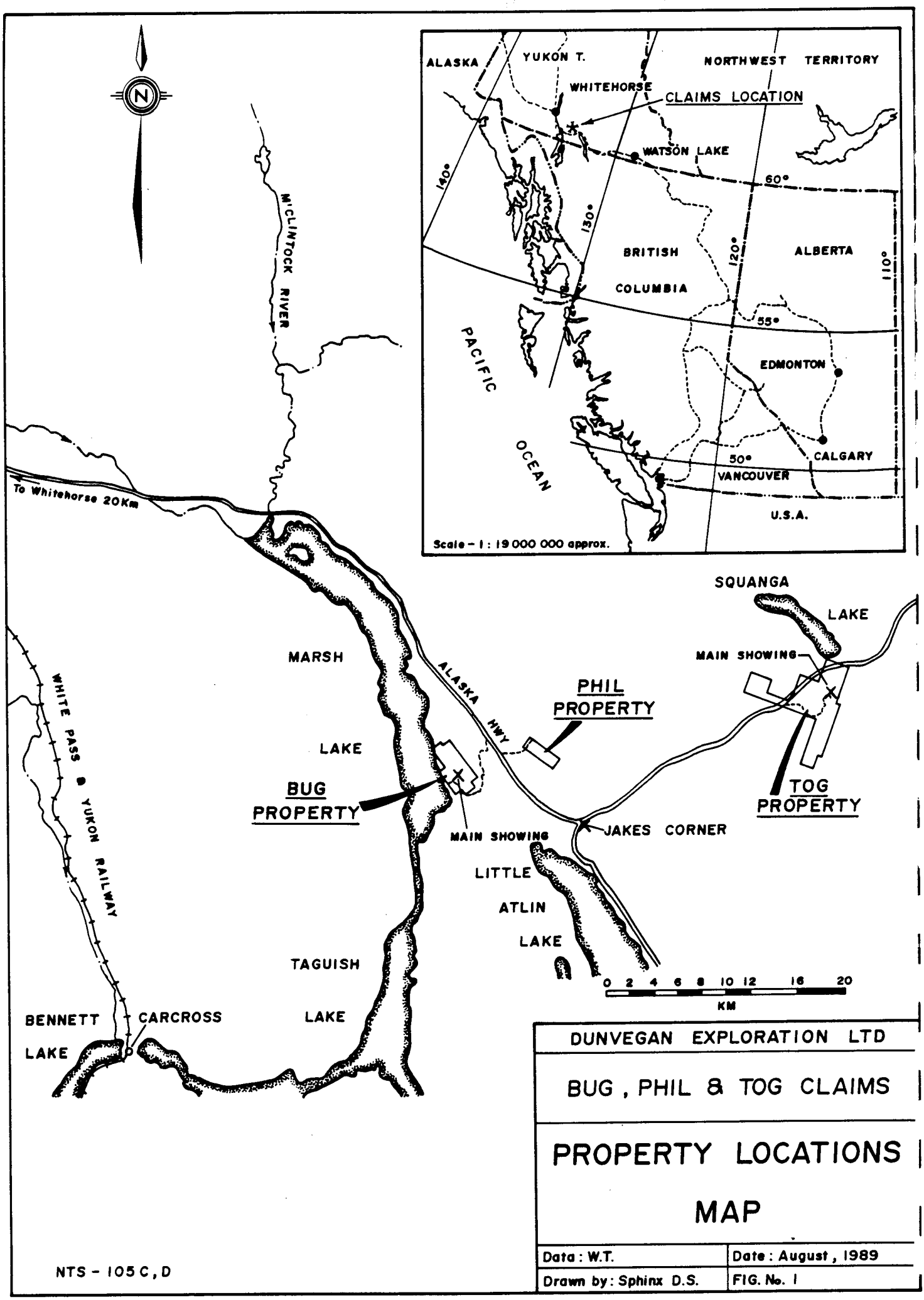
This geophysical approach was taken because it had proven to be effective in mapping the mineralized structures at the North American Metals, Golden Bear (Muddy Lake) gold deposit in north central British Columbia.

LOCATION AND ACCESS:

The BUG property is located on the eastern shore of Marsh Lake just south of the Alaska Highway, approximately 40 kilometers east of Whitehorse, Yukon Territory. It is reached by a two-wheel drive road which branches off the Alaska Highway approximately 100 meters southeast of Judas Creek.

The TOG property (including TOG, GOT and POT claims) is located between Squanga, Summit and Dalayee Lakes and straddles the Alaska Highway approximately 70 kilometers to the east of Whitehorse, Yukon Territory. The main showings are accessible by a four-wheel drive road to the south of the Alaska Highway.

The locations of the BUG and TOG claim groups are shown in Figure 1.


ALASKA
YUKON T.
NORTHWEST TERRITORY
WHITEHORSE
CLAIMS LOCATION
WATSON LAKE
140°
130°
60°
120°
110°
BRITISH COLUMBIA
ALBERTA
55°
PACIFIC OCEAN
EDMONTON
CALGARY
50°
VANCOUVER
U.S.A.
Scale - 1 : 19 000 000 approx.
M'CLINTOCK RIVER
To Whitehorse 20Km
SQUANGA LAKE
MAIN SHOWING
MARSH LAKE
ALASKA HWY
PHIL PROPERTY
WHITE PASS & YUKON RAILWAY
BUG PROPERTY
TOG PROPERTY
MAIN SHOWING
JAKES CORNER
LITTLE ATLIN LAKE
TAGUISH LAKE
BENNETT LAKE
CARCROSS
0 2 4 6 8 10 12 16 20
KM
NTS - 105 C, D
DUNVEGAN EXPLORATION LTD
BUG, PHIL & TOG CLAIMS
PROPERTY LOCATIONS MAP
Data : W.T.
Date : August, 1989
Drawn by : Sphinx D.S.
FIG. No. 1

PROPERTY:

The Dunvegan Exploration Ltd. holdings consist of 168 mineral claims. These are summarized in Table I.

TABLE I

CLAIM	GRANT NUMBERS	EXPIRY DATE
TOG 1 - 10	YA82536 - YA82545	July 3, 1991
TOG 11 - 24	YB20446 - YB20459	July 18,1989
TOG 25 - 44	YB24638 - YB24657	December 13, 1989
TOG 45 - 73	YB25431 - YB25459	February 28, 1990
GOT 1 - 16	YB20460 - YB20475	July 18, 1989
GOT 17 - 29	YB25460 - YB25472	February 28,1990
POT 1 - 16	YB20476 - yb20491	July 18, 1989
BUG 1 - 4	YA87163 - YA87166	May 25, 1991
BUG 5 - 12	YA94879 - YA94886	May 25, 1991
BUG 13 - 16	YA95186 - YA95189	May 25, 1991
BUG 17 - 20	YA97369 - YA97362	May 25, 1991
BUG 21 - 24	YA98079 - YA98077	July 2, 1991
BUG 25 - 50	YB12869 - YB12894	February 18, 1990

GEOPHYSICAL SURVEYS:

Instrumentation:

A Gem Systems GSM-10 magnetometer was used for the magnetic survey. This instrument measures the amplitude of the total magnetic field in nanoteslas to an accuracy of 0.1 nanoteslas. This magnetometer is fully automated allowing for automatic update of line number and station numbers between stations. Magnetic data is stored internally during the work day and can be printed out and contoured by attaching the magnetometer to a personal computer. Automatic diurnal corrections can be made by using a second magnetometer as a stationary base station and connecting the two instruments together at the end of each work day. The automatic features of the magnetometer were not used during the course of this survey so as to minimize costs during this orientation work.

The VLF instrument used was the Geonics EM-16. Conducting structures in the ground are energized by electromagnetic waves transmitted from submarine communication stations located in different parts of the world. If a VLF transmitting station is oriented within 45 degrees of the strike of such conducting structures, a secondary magnetic field is created which the VLF instrument detects. The EM-16 measures the in-phase and quadrature components of this secondary field as tilt angles (both positive and negative).

Survey Configuration:

Total magnetic field measurements were taken. Diurnal corrections were made to the magnetic measurements by the "looping method". First the grid baseline was surveyed by taking a reading at each grid line in one direction and then taking a reading in the same locations going in the opposite direction. This process gave diurnal corrected magnetic measurements on the baseline. As the grid lines were surveyed, diurnal corrections were made by referring to the diurnally corrected baseline values thereby defining the diurnal correct at the stations on the grid lines. Diurnal corrections were small (less than one nanotesla per minute) compared to the magnitude of the magnetic variations measured (up to four thousand nanoteslas). The magnetic data is presented as contours of total magnetic field at a minimum contour value of 50 nanoteslas with a baselevel of 57,000 nanoteslas removed from the values for ease of contouring.

The VLF technique can use many VLF transmitters. In the Yukon Territory, it is normally possible to receive signals from three transmitters located in the States of Washington, Hawaii and Maryland, USA. During the course of this survey the station in Washington State was not functioning. The recommended survey procedure is to use a transmitting station oriented as close as possible to the strike of the geological structures of interest but stations can be used which deviate up to 45 degrees from the geological strike of interest.

BUG Property:

Magnetic and VLF surveys were conducted over two grids on the BUG property. These surveys were conducted as orientation surveys to determine if they would give useful information as to the geology underlying the grids and as a guide to planning future larger scale geophysical programmes.

Geological structures in the area covered by the BUG Grids strike approximately north-northwest to south-southeast. The best coupled VLF transmitter for this strike direction would be in the one in Washington State but this transmitter was not functioning. Therefore, the transmitter located in Hawaii was used which is oriented at a direction of 215 degrees true. This direction deviated 58 degrees from the geological strike expected and is not within the accepted 45 degree deviation from geological strike. The direction to the VLF transmitter in Maryland is 130 degrees true which lies within 28 degrees of the expected geological strike but the signals from this transmitter were weak and hard to read. Consequently, the Hawaii transmitter was used with an attendant broadening of response resulting from poor coupling of strike direction to transmitter direction.

The main grid on the BUG property ("Main Grid") has its baseline oriented at 162 degrees. Lines were spaced 100 metres apart in the vicinity of the primary showing and 200 to 300 metres apart further away from the primary showing. Lines 0, 1N, 2N, 3N, 8N, 10N, and 16N were surveyed with magentics and VLF and lines 2S and 1S were surveyed with magnetics alone. Measurements were taken at 25 metre intervals along the grid lines. The Hawaii VLF transmitter was used and all measurements were taken facing grid west. A total of 6.700 line kilometres of magnetic measurements and 5.100 line kilometres of VLF measurements were taken. The grid plan for the BUG Main Grid is shown in Figure 3.

One detailed grid was emplaced over the primary showing ("Showing Grid"). The baseline of this grid was oriented north-south (true)

with lines oriented east-west. There were six lines spaced ten, twenty or thirty metres apart. Stations spaced ten metres apart along these lines were surveyed with magnetics and VLF. The Hawaii VLF station was used and all readings were taken facing west. A total of 0.550 line kilometres each of magnetic and VLF measurements were taken. The Showing Grid layout is presented in Figure 2.

TOG Property:

Magnetic and VLF surveys were conducted over two grids on the TOG property. A small detailed grid (the "Showing Grid") was emplaced over the primary showing and surveyed in detail to determine if specific characteristics of the mineralized area could be determined geophysically. A large grid (the "Main Grid") was emplaced over the central portion of the property and was surveyed to determine if: the magnetic information would assist to define the geological lithologies and the VLF information could delineate fault or shear zones.

The Main Grid on the TOG property consisted of a baseline oriented north-south (true) with grid lines spaced nominally at 100 metres apart except in the vicinity of the primary showing where the line spacing was reduced to separations of 35, 40, 50 or 75 metres. Stations were emplaced at intervals of 25 metres along the grid lines and magnetic and VLF measurements were taken at these stations. As the geophysical survey was an orientation survey designed to test the effectiveness of the geophysical techniques, not all of the survey lines nor all of the stations were surveyed. Rather, the geophysical work was concentrated in the vicinity of the primary showing on line 3+85S and some mineralization located on line 5S. The VLF station located in Hawaii was used and all measurements were taken facing grid west. A total of 6.425 line kilometres each of magnetic and VLF measurements were taken. A grid plan for the TOG Main Grid is shown in Figure 5.

The Showing Grid consisted of a baseline oriented at 220 degrees

with eleven grid lines oriented at 050 degrees spaced twenty metres apart. Stations were marked at ten metre intervals along the grid lines and were surveyed with both magnetics and VLF. The lines are marked in the field as NE and SE which have been simplified to N and S respectively on the geophysical maps. The stations were marked NE and SW which have been simplified to E and W respectively on the geophysical maps. The VLF station located in Maryland was used for the VLF measurements and all readings were taken facing grid west. A total of 1.640 line kilometres each of magnetic and VLF measurements were taken. A grid plan for the TOG Showing Grid is shown in Figure 4.

DATA PRESENTATION:

The geophysical results are plotted at different scales for ease of comprehension and to correlate with the scales being used for the geological mapping. The results on the Showing Grids on both the BUG and TOG properties are presented at a scale of 1:500 (Figures 2, 4, 6, 9, 11, 14, 17 and 19). The results on the Main Grids on both the BUG and TOG properties are presented at scales of 1:5000 (Figures 3, 5, 7, 10, 12, 15, 18 and 20) and 1:2500 (Figures 8, 13, 16 and 21).

The magnetic data is presented as plan maps of the contoured Total Magentic Field. The magnetic data is contoured with a contour interval of 50 nanoteslas. Contour levels of 50, 100, 500 and 1000 nanoteslas have been indicated by different weight lines. Magnetic closures, both high and low, are indicated. (BUG Figures 6, 7, 8 and TOG Figures 14, 15 and 16.)

The VLF results are displayed both in stacked profile format and in contour format. The stacked profiles (BUG Figures 9 and 10; TOG Figures 17 and 18) present both the in-phase and quadrature tilt angles using the grid line as zero value and tilt angles plotted above and below the grid line at 20 degrees per centimetre. As all measurements were taken facing grid west, a true cross over occurs with the negative lobe to the west and the positive

lobe to the east. VLF cross overs have been converted to peaks by applying a Fraser Filter to the in-phase VLF data. Plan maps are presented showing contoured positive Fraser Filter values superimposed upon the grids (BUG Figures 11, 12, 13 and TOG Figures 19, 20 and 21).

INTERPRETATION:

A reservation about the interpretative conclusions reached must be noted. The grids were put in by chain and compass on the baselines and by topofil and compass on the grid lines. None of the lines were cut; only flagged. This process was adequate for an orientation survey but the exact positions and line to line correlations mentioned below may be inaccurate because of the inherent accuracy constraints imposed by the grid emplacement process.

BUG Property:

The magnetic data on the BUG Property (Figures 6, 7, 8) show two magnetic domains: one of high magnetic values (59,000 to 61,000 nanoteslas) which can be correlated with serpentinized rocks and one of low magnetic values (57,000 to 58,000 nanoteslas) which can be correlated with volcanic and sedimentary rocks. It is not generally possible to distinguish between the volcanic and sedimentary rocks magnetically.

The magnetic data on the BUG Main Grid (Figures 7, 8) show there to be a zone of higher magnetic amplitude crossing the grid striking approximately north-south. This zone is 200 metres wide between lines 2S and 1N (2+50W to 4+50W on line 0) and widens to 400 metres wide on lines 2N and 3N (0 to 4+00W on line 3N). This zone can be correlated with a unit of serpentinized rocks. A similar zone of high magnetic amplitude is also seen on line 2S at station 0+75W and there may be a narrow zone of similar origin running from line 0 at 0+25W to line 3N at 0+75W).

The primary BUG showing is located on line 0 to line 1N at stations 1+50W to 1+75W. The magnetic data exhibit low magnetic relief in this area (sediments or volcanics) surrounded to the west, north and possibly east by rocks of high magnetic amplitude (serpentitite). This showing is also delimited, on either side, by two conductors (faults or shear zones) interpreted from the VLF data. The westerly conductor appears to run through the primary showing.

The VLF data on the BUG Property (Figures 9, 10, 11, 12, 13) delineated the presence of several conductors which may indicate the presence of shear or fault zones which are conductive because of being filled with ground water or because they have concentrations of metallic sulphide or graphitic menerals. Their location is shown by the cross over from positive on the east to negative on the west in the in-phase components of the VLF response and by the maximum contours on the Fraser Filtered VLF in-phase response (Figures 11, 12, 13). Precise definition of the depth to the top of the conducting zones is difficult with VLF information in general and more difficult where the coupling between the strike direction and the direction to the transmitting station is extreme but the sharp nature of these responses would imply that these conductive zones come near to surface.

The VLF data on the BUG Main Grid (Figures 10, 12, 13) show the presence of several conductors crossing lines 0 to 3N in an approximate north-south direction which may represent the traces of faults or shear zones. The zone of high magnetic activity (serpentinized rocks) appears to be bounded on both the east and west sides by such conductors. However, the conductors are not limited to this geological setting as conductors cross the volcanic rocks to the east and west and within the sediments in the primary showing area. Within the zone of high magnetic amplitude (serpentinized rocks) there is a narrow zone of lesser magnetic amplitude which coincides with a VLF conductor which would represent a zone where alteration has reduced the magnetic concentration (L0, 3+50W to L1N, 2+50W).

For orientation purposes, three lines were surveyed to the north (8N, 10N and 16N) to see if they exhibited geophysical signatures consistant with the presence of highly magnetic (serpentinized) rocks and the presence of VLF conductors. The measurements along these lines did confirm the presence of highly magnetic rocks and VLF conductors as far as line 16N. There appeared to be a correlation between a magnetic low within the highly magnetic rocks with the location of a VLF conductor.

The data on the detailed grid over the primary showing (Figures 6, 9, 11) confirmed that the showing lies within a zone of low magentic amplitude adjacent to a zone of high magnetic amplitude to the west. A VLF response can be traced running into the showing area from the north, not coincident with the contact between the high and low magnetic amplitude response areas but 30 metres to the east of the contact and also east of the lowest magnetic response. The Main Grid and the Showing Grid correlate at Main Grid line 0, station 0+60N being equivalent to Showing Grid line 1+53N, station 1+46W with the two grid baselines being oriented at 342 degrees and 0 degrees respectively.

TOG Property:

The magnetic data on the TOG Property (Figures 15, 16) is characterized, in general, by a gradient decreasing east to west with the exception of low values at the extreme east end of lines 2S and 3S. Several geological contacts can be inferred from the results:

Unit A: A unit of high magnetic response running from line 2S (4+75E) through to line 6S (3+90E to beyond 5+00E). This unit is approximately 125 metres wide on lines 2S and 3S widening to 175 metres wide on line 3+50S.

Unit B: A unit of high magnetic response running from line 2S (1+50E to 2+75E) through to line 3+50S (0+25W).

Unit C: A unit of medium magnetic response and low magnetic relief lying to the west of unit A and south of unit B to a line which extends approximately from line 3+50S (0+75W) to line 7S (2+00E).

Unit D: A unit of low magnetic response and relief extending from units B and C to the western extent of the survey area.

Unit E: A unit of very low magnetic response extending from line 2S (3+75E to 4+50E) to line 3S (3+10E to 3+40E) and (3+60E to 4+00E).

The VLF data (Figures 18, 20, 21) shows the presence of several conductors which may represent the traces of fault and/or shear zones. Sone of the conductors appear to be conformable with geologica contacts described above in particular the east and west contacts of unit A, the western contact of unit E and the eastern contact of unit D. Other conductors appear to lie entirely within the interpreted geological units. One conductor crosses interpreted units B and C.

When the magnetic and VLF data are compared, there appears to be a correlation between low to very low magnetic responses coinciding with the trace of the VLF conductors. For example:

- line 4+25S, 1+00W
- line 2S, line 3+50S at 3+00E
- line 6S, 0+50W

Such coincident VLF conductors and magnetic lows may represent alteration along the defined VLF structure causing depletion of magnetite. In some cases, the magnetic lows coinciding with the VLF structures are very strong (8000+ nanoteslas) over a very short distance. Such large variations are not normal and equipment malfunction was suspected. However, these readings were repeatable and should be believed. They occured normally at the base of large topographic highs and their amplitude may be exagerated by geometrical effects (L4+25S, 3+75E to 4+00E).

The surveys conducted over the Showing Grid on the TOG Property gave somewhat different information. The magnetic data did not exhibit any particular diagnostic information (Figure 14). The VLF information (Figures 17 and 19), however, showed the presence of one main conductor and one or more subsiduary conductors on the Showing Grid. Geological examination in the showing area allows a correlation of the VLF conductors with narrow graphitic horizons which are conformable with the mineralized horizon. The main VLF conductors could be traced over 140 metres (line 1+00N to 0+40S) with the conductor being open to the south (Figures 17 and 19).

CONCLUSIONS AND RECOMMENDATIONS:

BUG Property:

The geophysical work on the BUG Property has shown that it is possible to map the geology using the magnetic method at least as far as distinguishing between serpentinized rocks and volcanic/sedimentary rocks. The VLF measurements have shown identifiable responses which can probably be correlated with fault and/or shear zones both bounding different geological units and within the different units. A correlation with the reduction of magnetic effect with a VLF structure may imply the ability to identify alteration zones. The primary showing on the property is seen to correlate with an interpreted fault and/or shear zone. Indications have been obtained that such structures may extend for 1800 metres.

Thus, the orientation survey has proven that geophysical measurements can be of value in mapping the extent of the geological units and the structural features within them. If the information gathered in the geophysical orientation survey proves to be of value when correlated with the geological model of the mineralization on the property, then the following recommendations can be made for further geophysical surveys:

1. Before conducting further geophysical measurements, prepare the survey grid with cut, surveyed and chained lines to allow accurate line to line correlation.

2. Extend the magentic and VLF surveys to cover the entire property on lines spaced 100 metres apart with stations along the line spaced 25 metres apart.

3. Determine the relationship between the VLF structure identified in the vicinity of the primary showing with the mineralization and if a correlation of significance is evident, trace the strike extent of this structure on lines spaced 50 metres apart and 500 metres long which are centered on the indicated trace of this structure.

4. Determine if the zone of low magnetic amplitude around the main magnetic amplitude around the main showing correlates with the host rock of the mineralization. If a positive correlation exists, determine the extent of this low magnetic amplitude zone on lines spaced 50 metres apart with stations spaced 10 metres apart along the lines.

5. Determine the geological significance of the magnetic low within the zone of high magnetic amplitude which coincides with the VLF structure to determine if it represents a zone of alteration. If such an alteration zone exists and if it is of significance to the mineralization model, perform detailed magnetic and VLF measurements on lines spaced 50 metres apart, 500 metres long with stations 50 metres apart.

6. Examination of the rocks in the vicinity of the primary showing show evidence of sulphide minerals in quantities which may be sufficient to be detectable by Induced Polarization (IP) survey. Detailed IP surveys should be conducted over the showing area to determine if there is a discernable response and what its relationship (if any) is to the gold mineralization.

TOG Property:

The geophysical surveys conducted on the TOG Property allowed

the delineation of the boundaries of five geological units and traced the extent of nine VLF conductors which may represent faults and/or shear zones. There are indications of alteration effects along these VLF conductors as is evidenced by reduction in magnetic intensity which may represent depletion of magnetite.

Accordingly, it can be concluded that the orientation geophysical surveys were successful. It is possible to conclude that magnetic and VLF surveys appear to be able to:

1. Delineate differing geological lithologies.

2. Define geological structures which may provide structural control for emplacement of mineralization.

3. Indicate zones of potential alteration.

Therefore, the following recommendations are made for further work:

1. Prepare a cut, surveyed and chained grid to alleviate ambiguities caused by inaccuracies in grid emplacement.

2. Cover the entire TOG Property (where geological mapping implies potential for the existance of lithologies favourable for gold mineralization) with magnetic and VLF surveys on lines spaced 100 metres apart at station intervals of 25 metres.

3. Determine the significance of the low magnetic values coincident with the VLF conductors and if such indications are important to the mineralization models being used, then delineate these magnetic lows by surveying on a grid centered upon the with lines spaced 10 metres apart, 200 metres long with station intervals of 5 metres.

4. Determine the relationship between the VLF conductors on the Showing Grid and the mineralization. If significant correlation

exists, extend the Showing Grid 200 metres each to the south and north with lines spaced at 20 metres apart and stations 10 metres apart. Survey this extended grid with both magentics and VLF.

5. The grid orientation and VLF station employed allowed delineation of structures striking approximately north-south. Geological mapping and airphoto analysis imply the existence of structures striking east-west or in between north-south and east-west which may be important in the control of the mineralization. It is recommended that a grid be emplaced perpendicular to the present grid with lines 100 metres apart and stations 25 metres apart to delineate these other structures.

Respectively submitted.

John P. Steele

John P. Steele, M.Sc., P.Eng.

50 WEST | 25 WEST | BASE LINE | 25 EAST | 50 EAST

30 NORTH — 30 NORTH

10 NORTH — 10 NORTH

10 SOUTH — 10 SOUTH

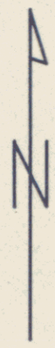
20 SOUTH — 20 SOUTH

30 SOUTH — 30 SOUTH

60 SOUTH — 60 SOUTH

092869

50 WEST | 25 WEST | BASE LINE | 25 EAST | 50 EAST



10 0 10 20 30

Map #10545 Doc #092869

187

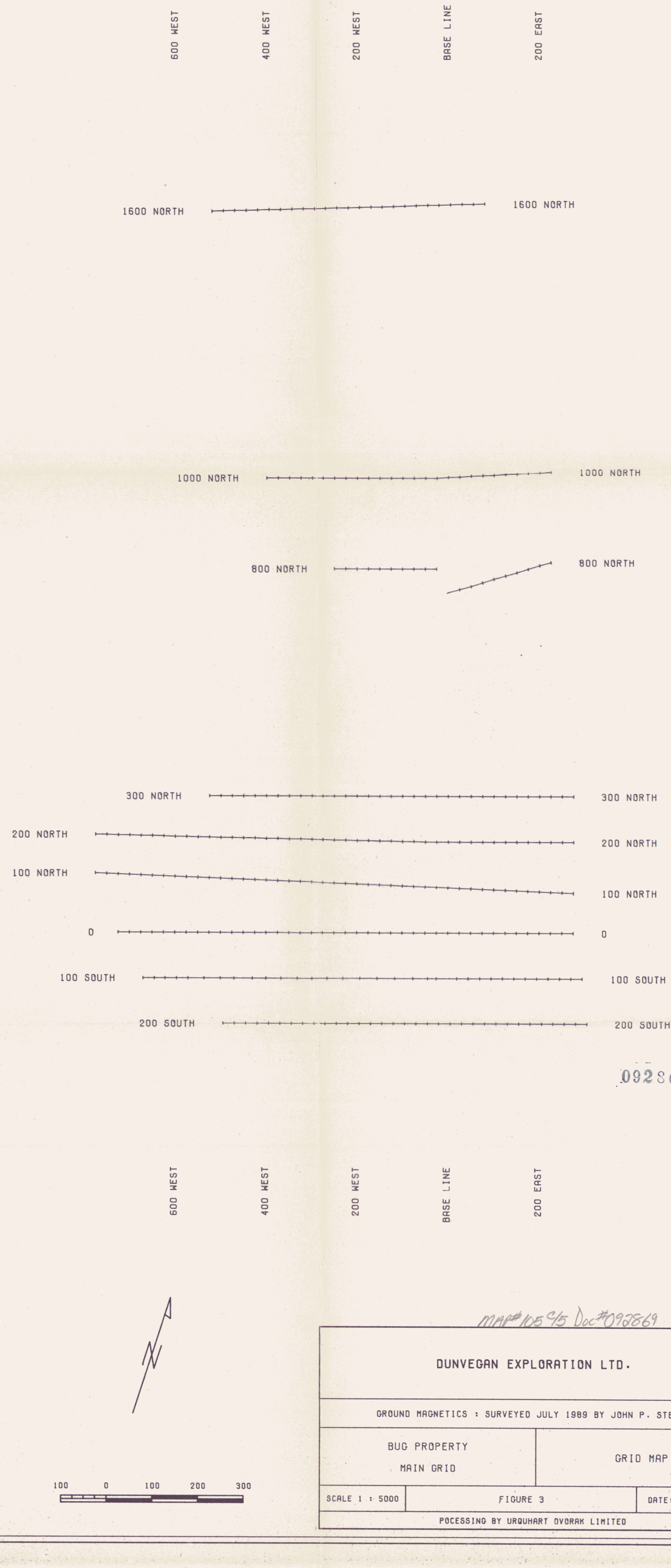
DUNVEGAN EXPLORATION LTD.

GROUND MAGNETICS : SURVEYED JULY 1989 BY JOHN P. STEELE

BUG PROPERTY SHOWING GRID	GRID MAP

SCALE 1 : 500	FIGURE 2	DATE: AUGUST 1989

POCESSING BY URQUHART DVORAK LIMITED



092869

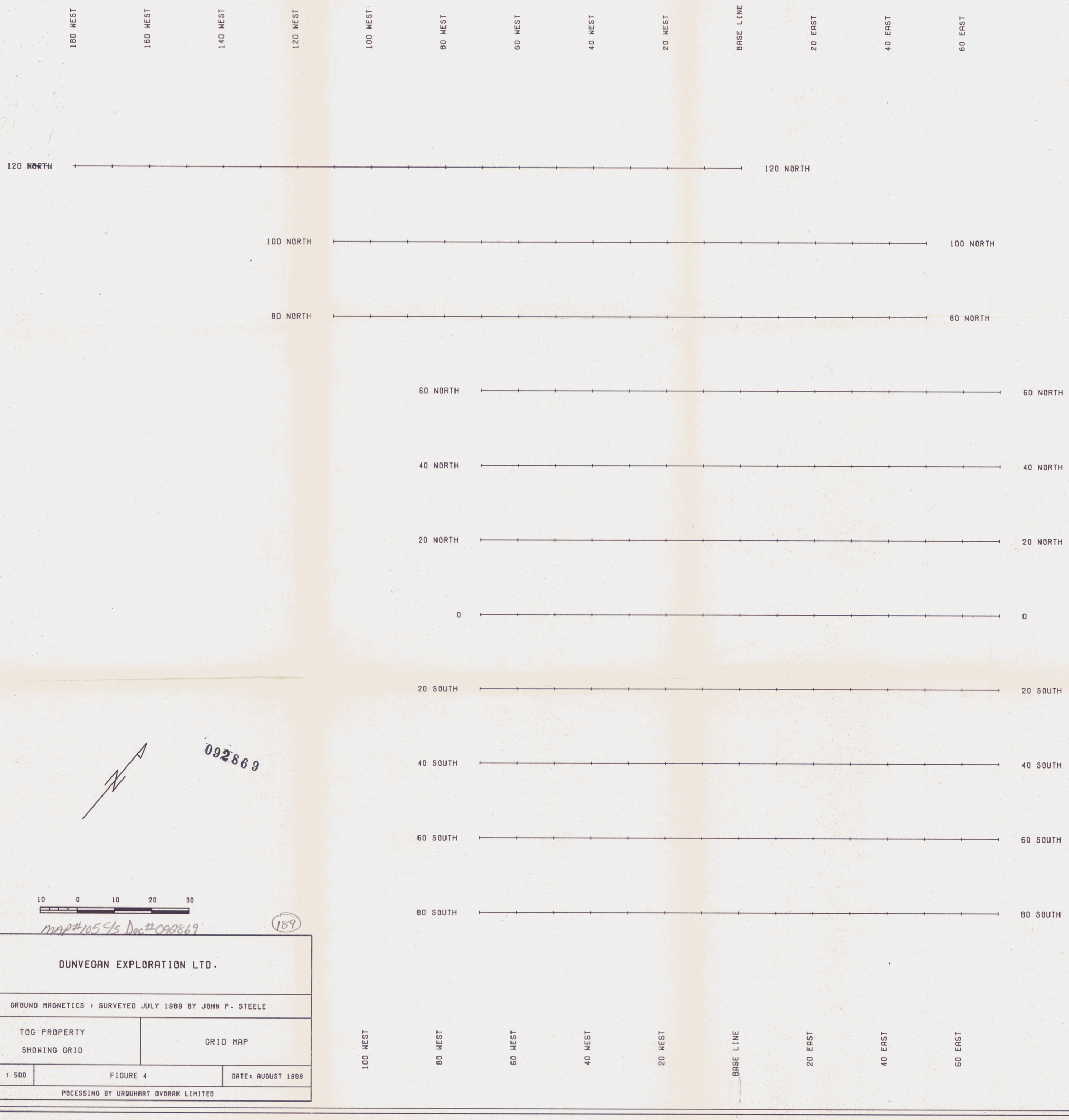
MAP#105C/5 Doc#092869 (186)

DUNVEGAN EXPLORATION LTD.

GROUND MAGNETICS : SURVEYED JULY 1989 BY JOHN P. STEELE

BUG PROPERTY MAIN GRID	GRID MAP
SCALE 1 : 5000	FIGURE 3	DATE: AUGUST 1989

POCESSING BY URQUHART DVORAK LIMITED



092869

10 0 10 20 30

map#105 C/S Doc#092869

(189)

DUNVEGAN EXPLORATION LTD.

GROUND MAGNETICS : SURVEYED JULY 1989 BY JOHN P. STEELE

TOG PROPERTY SHOWING GRID	GRID MAP	
SCALE 1 : 500	FIGURE 4	DATE: AUGUST 1989

POCESSING BY URQUHART DVORAK LIMITED

400 WEST
200 WEST
BASE LINE
200 EAST
400 EAST
600 EAST

200 SOUTH
300 SOUTH
350 SOUTH
385 SOUTH
425 SOUTH
500 SOUTH
600 SOUTH
700 SOUTH

092869

400 WEST
200 WEST
BASE LINE
200 EAST
400 EAST
600 EAST

100 0 100 200 300

Map# 1059/5 Doc# 092869

188

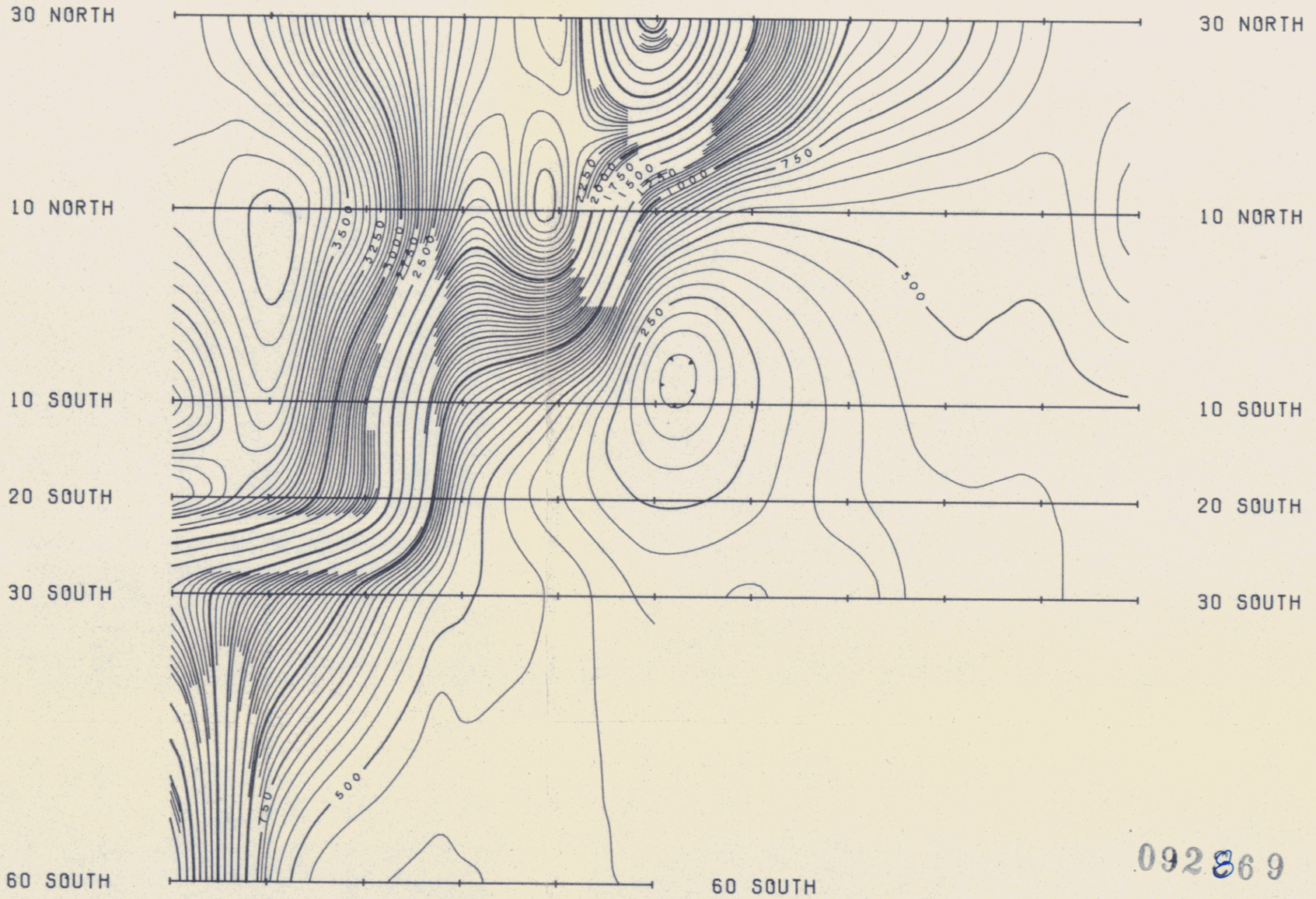
DUNVEGAN EXPLORATION LTD.

GROUND MAGNETICS : SURVEYED JULY 1989 BY JOHN P. STEELE

TOG PROPERTY MAIN GRID	GRID MAP	
SCALE 1 : 5000	FIGURE 5	DATE: AUGUST 1989

POCESSING BY URQUHART DVORAK LIMITED

50 WEST | 25 WEST | BASE LINE | 25 EAST | 50 EAST



092869

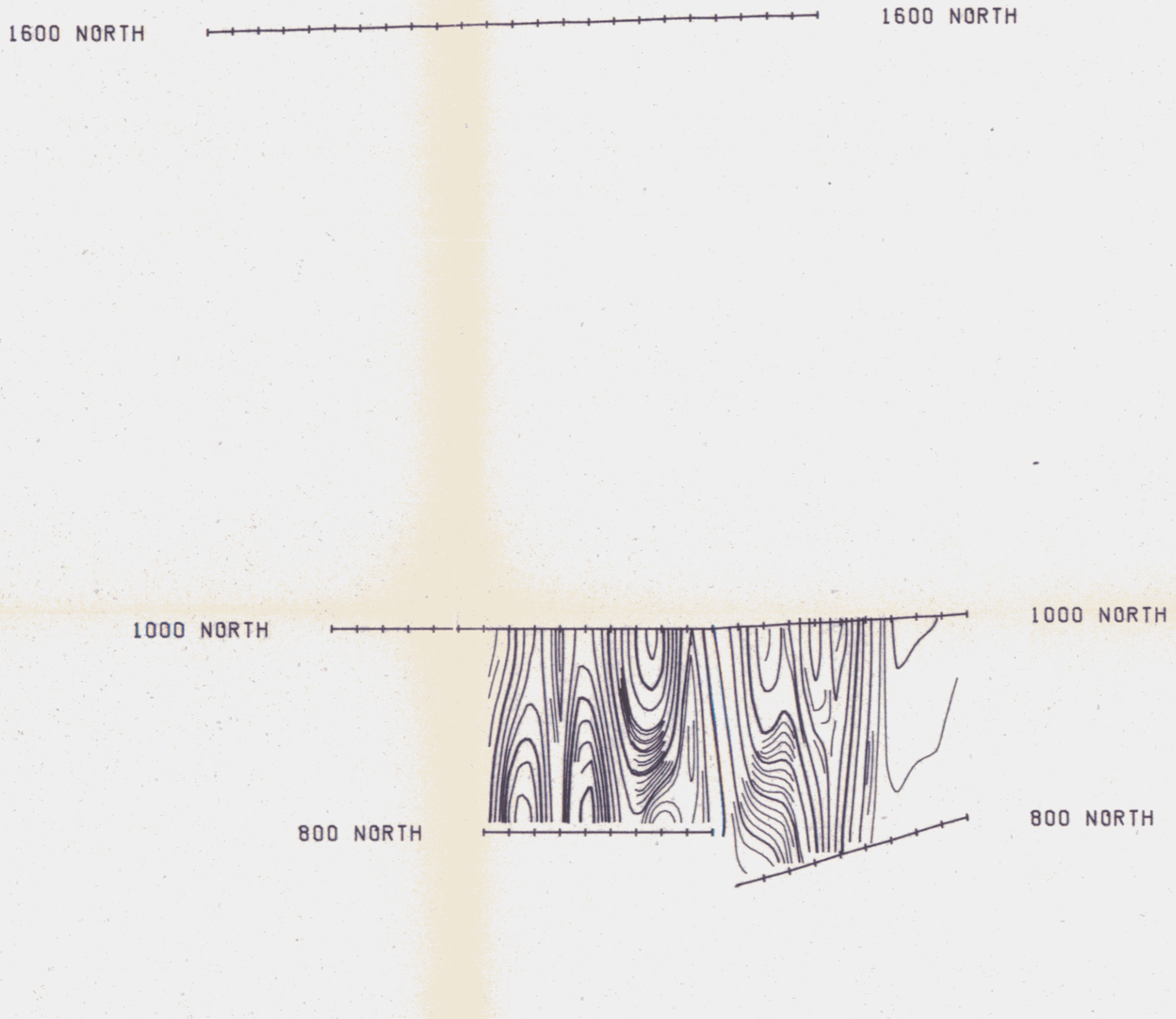
50 WEST | 25 WEST | BASE LINE | 25 EAST | 50 EAST

10 0 10 20 30

MAP#1054/5 Doc#092869 (190)

DUNVEGAN EXPLORATION LTD.		
GROUND MAGNETICS : SURVEYED JULY 1989 BY JOHN P. STEELE		
BUG PROPERTY SHOWING GRID		TOTAL FIELD MAGNETICS BASE VALUE = 57000 GAMMAS
SCALE 1 : 500	FIGURE 6	DATE: AUGUST 1989
POCESSING BY URQUHART DVORAK LIMITED		

600 WEST | 400 WEST | 200 WEST | BASE LINE | 200 EAST



092869

600 WEST | 400 WEST | 200 WEST | BASE LINE | 200 EAST

100 0 100 200 300

MAP# 1054 Doc# 092869 (191)

DUNVEGAN EXPLORATION LTD.

GROUND MAGNETICS : SURVEYED JULY 1989 BY JOHN P. STEELE

BUG PROPERTY MAIN GRID	TOTAL FIELD MAGNETICS BASE VALUE = 57000 GAMMAS
SCALE 1 : 5000	FIGURE 7	DATE: AUGUST 1989

POCESSING BY URQUHART DVORAK LIMITED

600 WEST | 400 WEST | 200 WEST | BASE LINE | 200 EAST

1600 NORTH — 1600 NORTH

1000 NORTH — 1000 NORTH

800 NORTH — 800 NORTH

300 NORTH — 300 NORTH

200 NORTH — 200 NORTH

100 NORTH — 100 NORTH

0 — 0

100 SOUTH — 100 SOUTH

200 SOUTH — 200 SOUTH

600 WEST | 400 WEST | 200 WEST | BASE LINE | 200 EAST

092869

50 0 50 100 150

MAP#105C/5 Doc#092869 (192)

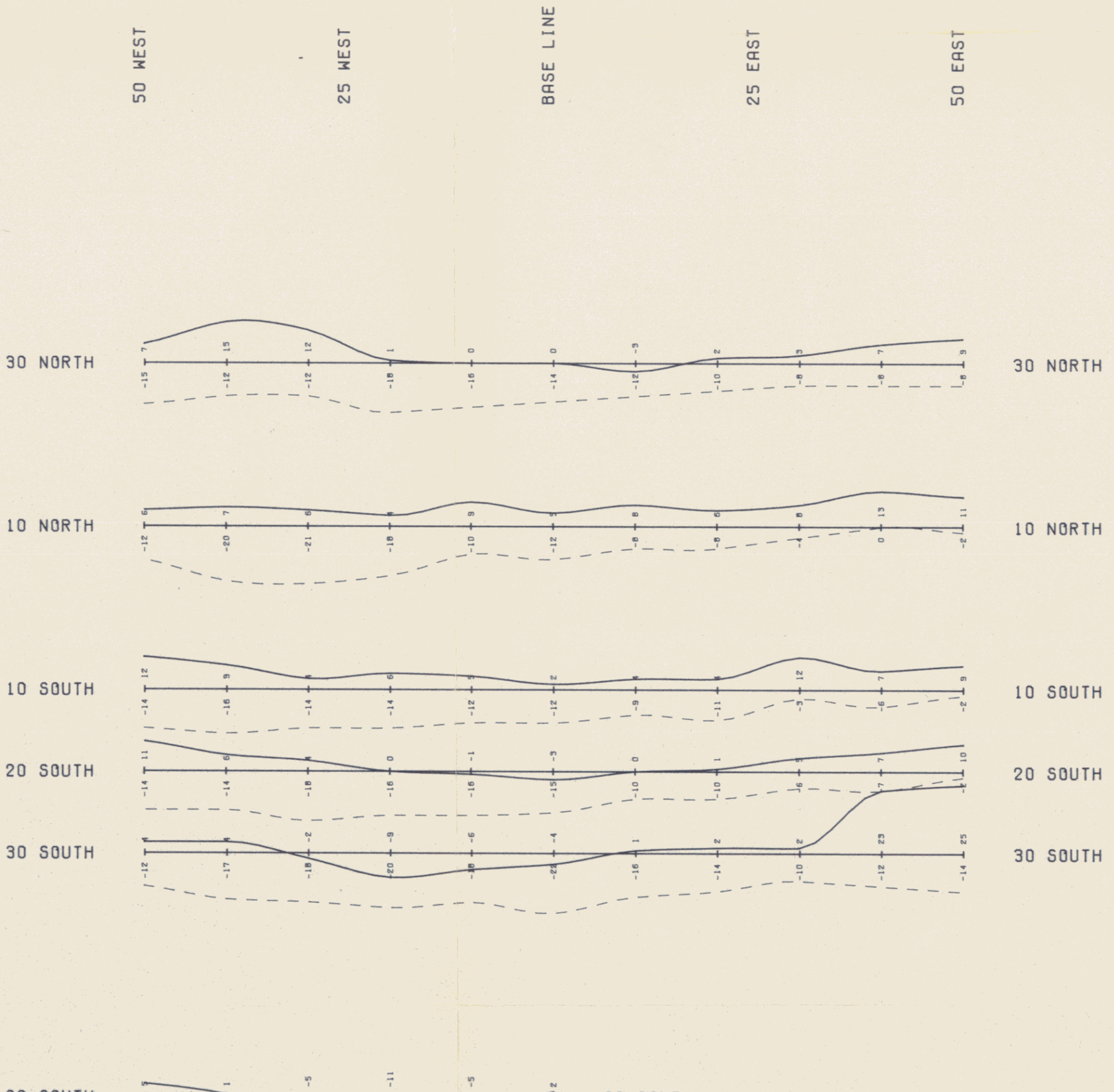
DUNVEGAN EXPLORATION LTD.

GROUND MAGNETICS : SURVEYED JULY 1989 BY JOHN P. STEELE

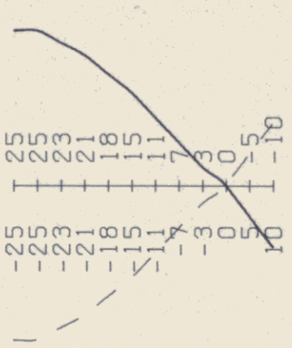
BUG PROPERTY MAIN GRID	TOTAL FIELD MAGNETICS BASE VALUE = 57000 GAMMAS

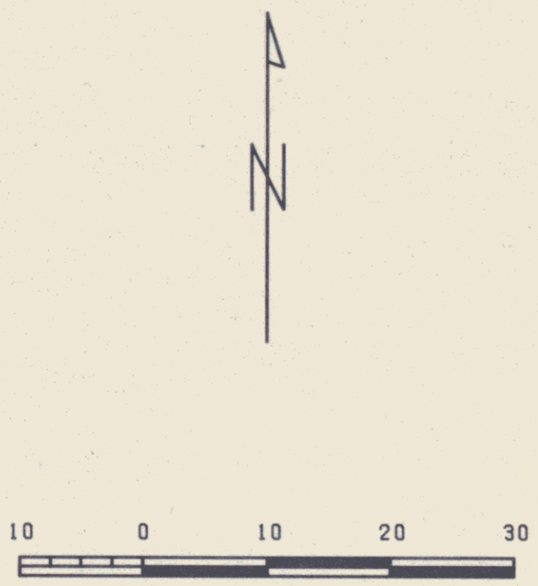
SCALE 1 : 2500	FIGURE 8	DATE: AUGUST 1989

POCESSING BY URQUHART DVORAK LIMITED



VERTICAL PROFILE SCALE
1 CM = 15 %
QUADRATURE IN-PHASE





Map# 1054-Doc# 092869

(193)

DUNVEGAN EXPLORATION LTD.

GROUND VLF-EM : SURVEYED JULY 1989 BY JOHN P. STEELE

BUG PROPERTY

SHOWING GRID

VLF-EM PROFILES

VLF TRANSMITTER : HAWAII 23.4 KHZ

DIRECTION : 215 DEGREES

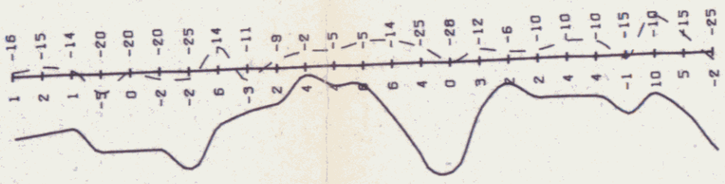
SCALE 1 : 500 | FIGURE 9 | DATE: AUGUST 1989

POCESSING BY URQUHART DVORAK LIMITED

092869

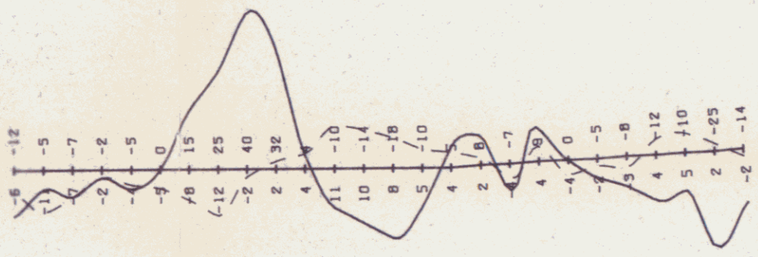
600 WEST | 400 WEST | 200 WEST | BASE LINE | 200 EAST

1600 NORTH



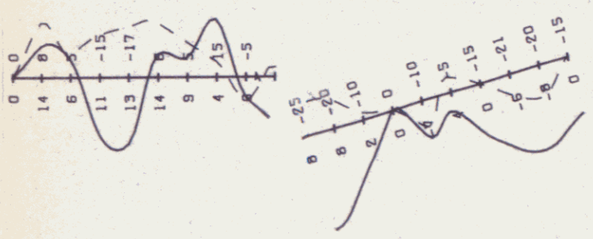
1600 NORTH

1000 NORTH



1000 NORTH

800 NORTH



800 NORTH

300 NORTH

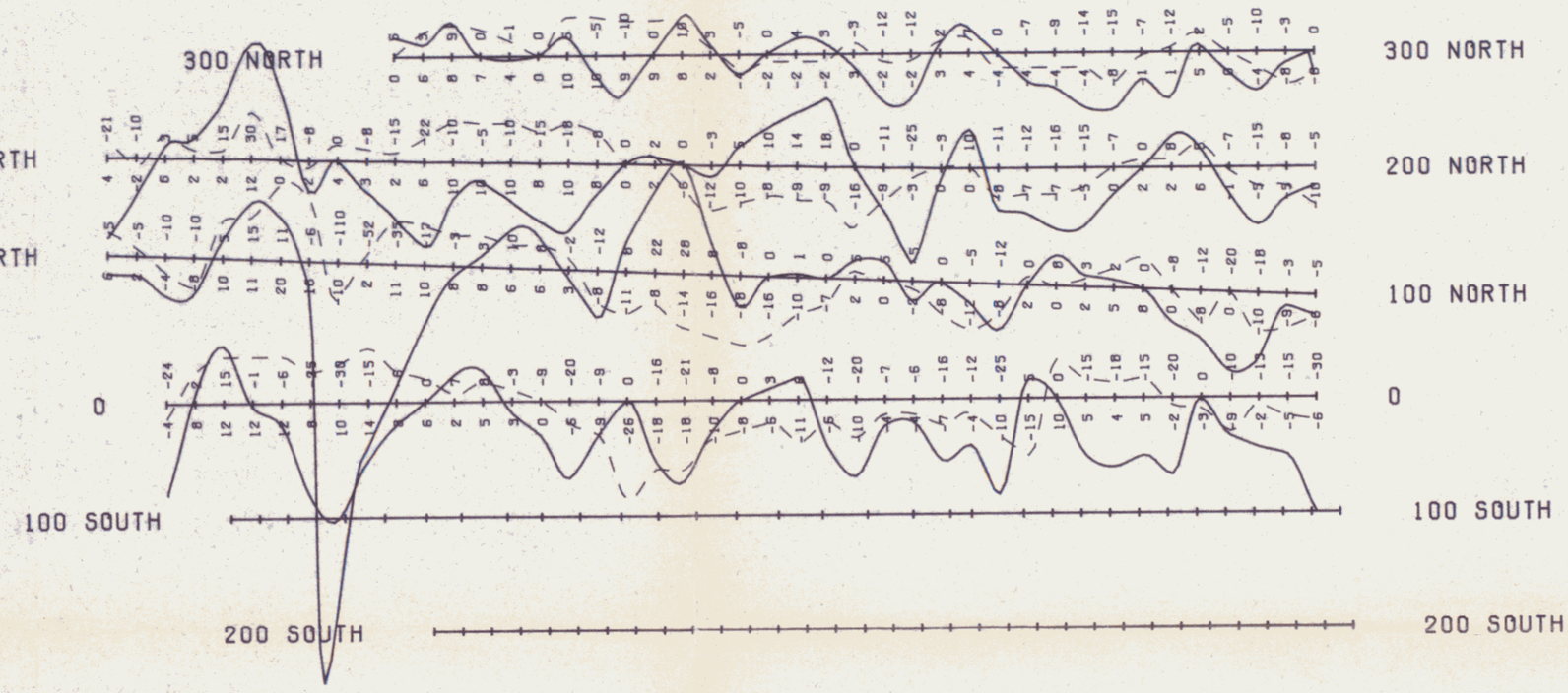
200 NORTH

100 NORTH

0

100 SOUTH

200 SOUTH



300 NORTH

200 NORTH

100 NORTH

0

100 SOUTH

200 SOUTH

092869

600 WEST | 400 WEST | 200 WEST | BASE LINE | 200 EAST

VERTICAL PROFILE SCALE
1 CM = 15 %
QUADRATURE IN-PHASE

100 0 100 200 300

Map #105G/5 Doc 092869

(194)

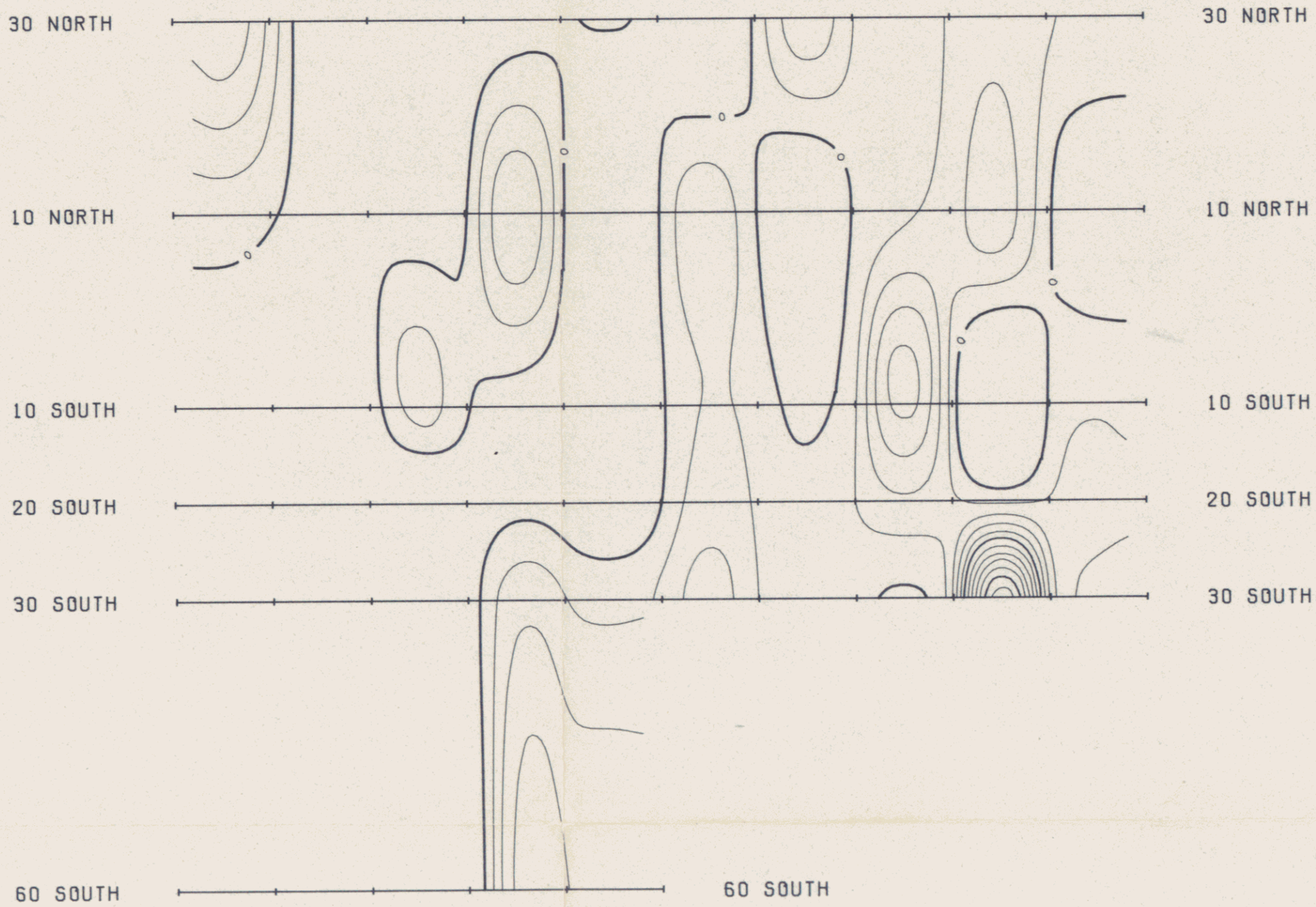
DUNVEGAN EXPLORATION LTD.

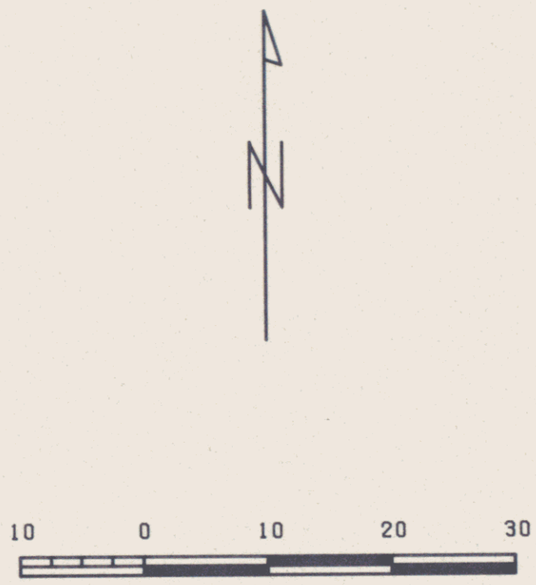
GROUND VLF-EM : SURVEYED JULY 1989 BY JOHN P. STEELE

BUG PROPERTY MAIN GRID	VLF-EM VLF TRANSMITTER : HAWAII 23.4 KHZ DIRECTION : 215 DEGREES

SCALE 1 : 5000	FIGURE 10	DATE: AUGUST 1989

POCESSING BY URQUHART DVORAK LIMITED





CONTOUR INTERVALS : 1%, 5%, 20%

Map#105 G/5 Doc#092869 (195)

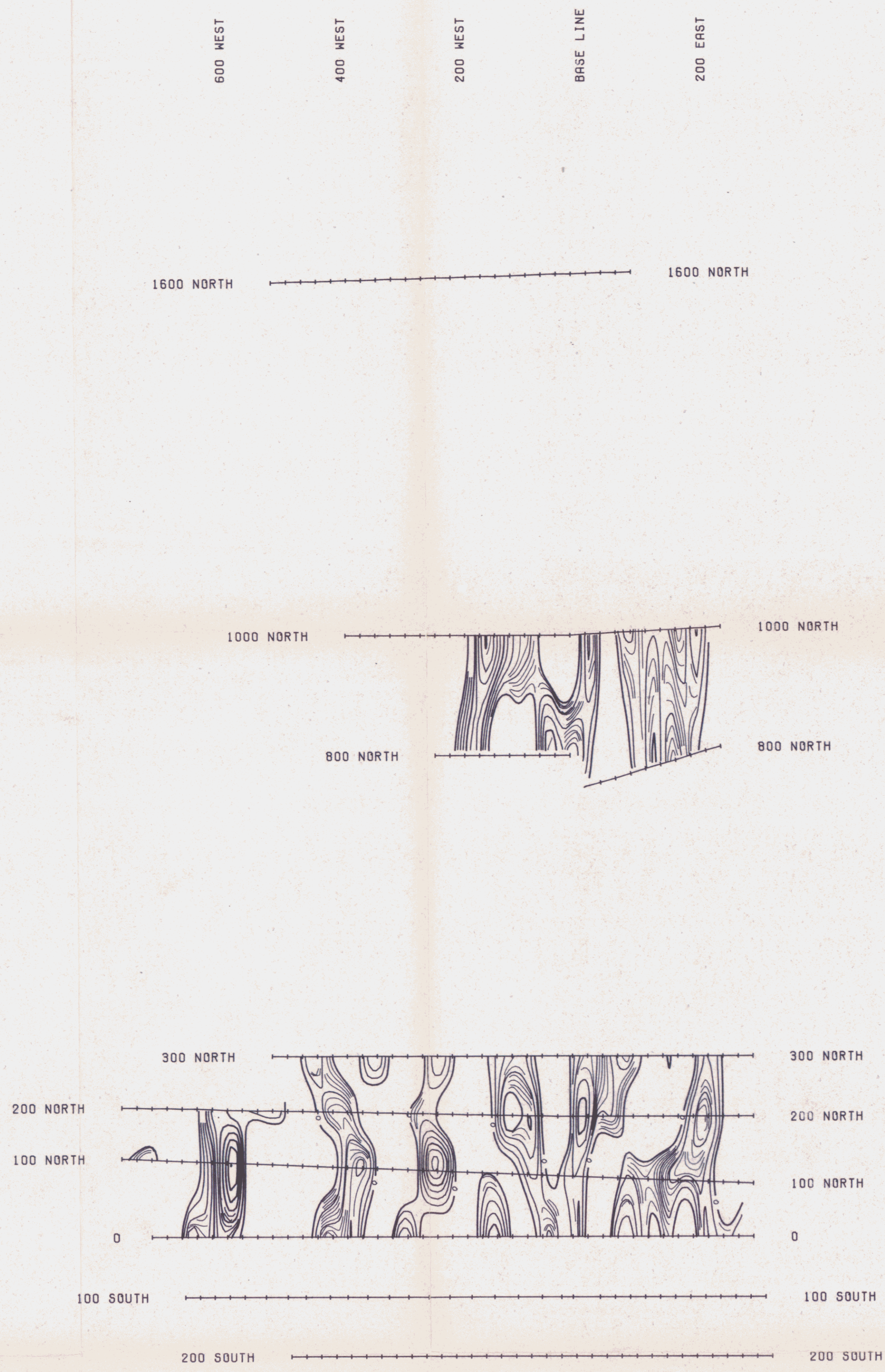
DUNVEGAN EXPLORATION LTD.

GROUND VLF-EM : SURVEYED JULY 1989 BY JOHN P. STEELE

BUG PROPERTY SHOWING GRID	FRASER FILTERED VLF-EM VLF TRANSMITTER : HAWAII 23.4 KHZ DIRECTION : 215 DEGREES

SCALE 1 : 500	FIGURE 11	DATE: AUGUST 1989

POCESSING BY URQUHART DVORAK LIMITED



092869

CONTOUR INTERVALS : 1%, 5%, 20%

MAP#105C15 Doc#092869 (196)

DUNVEGAN EXPLORATION LTD.		
GROUND VLF-EM : SURVEYED JULY 1989 BY JOHN P. STEELE		
BUG PROPERTY MAIN GRID		FRASER FILTERED VLF-EM VLF TRANSMITTER : HAWAII 23.4 KHZ DIRECTION : 215 DEGREES
SCALE 1 : 5000	FIGURE 12	DATE: AUGUST 1989
POCESSING BY URQUHART DVORAK LIMITED		

600 WEST | 400 WEST | 200 WEST | BASE LINE | 200 EAST

1600 NORTH — 1600 NORTH

1000 NORTH — 1000 NORTH

800 NORTH — 800 NORTH

300 NORTH — 300 NORTH

200 NORTH — 200 NORTH

100 NORTH — 100 NORTH

0 — 0

100 SOUTH — 100 SOUTH

200 SOUTH — 200 SOUTH

600 WEST | 400 WEST | 200 WEST | BASE LINE | 200 EAST

50 0 50 100 150

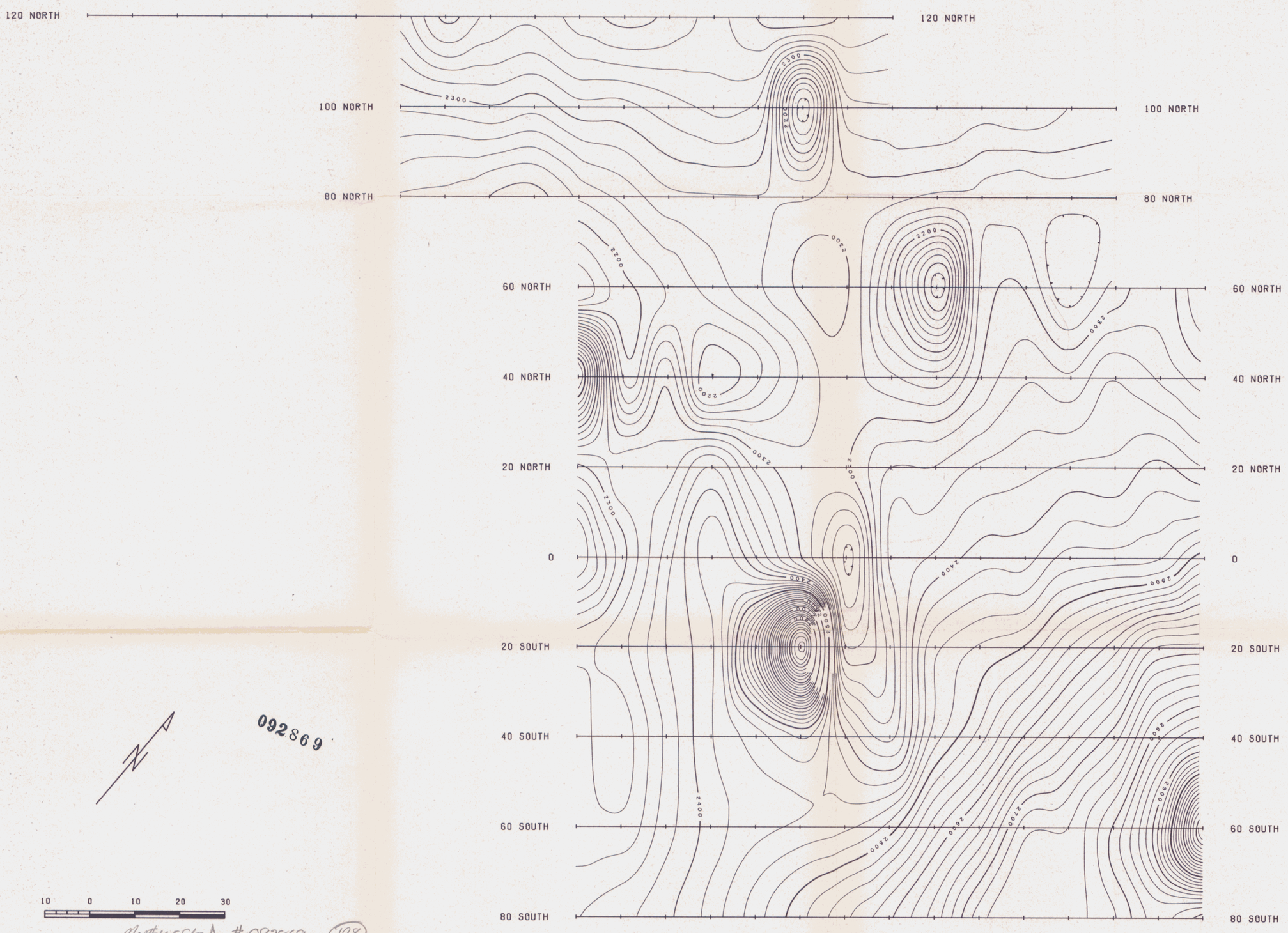
CONTOUR INTERVALS : 1%. 5%. 20%

092869

MAP# 105 C/5

Doc#092869 (197)

DUNVEGAN EXPLORATION LTD.		
GROUND VLF-EM : SURVEYED JULY 1989 BY JOHN P. STEELE		
BUG PROPERTY MAIN GRID	FRASER FILTERED VLF-EM VLF TRANSMITTER : HAWAII 23.4 KHZ DIRECTION : 215 DEGREES	
SCALE 1 : 2500	FIGURE 13	DATE: AUGUST 1989
POCESSING BY URQUHART DVORAK LIMITED		

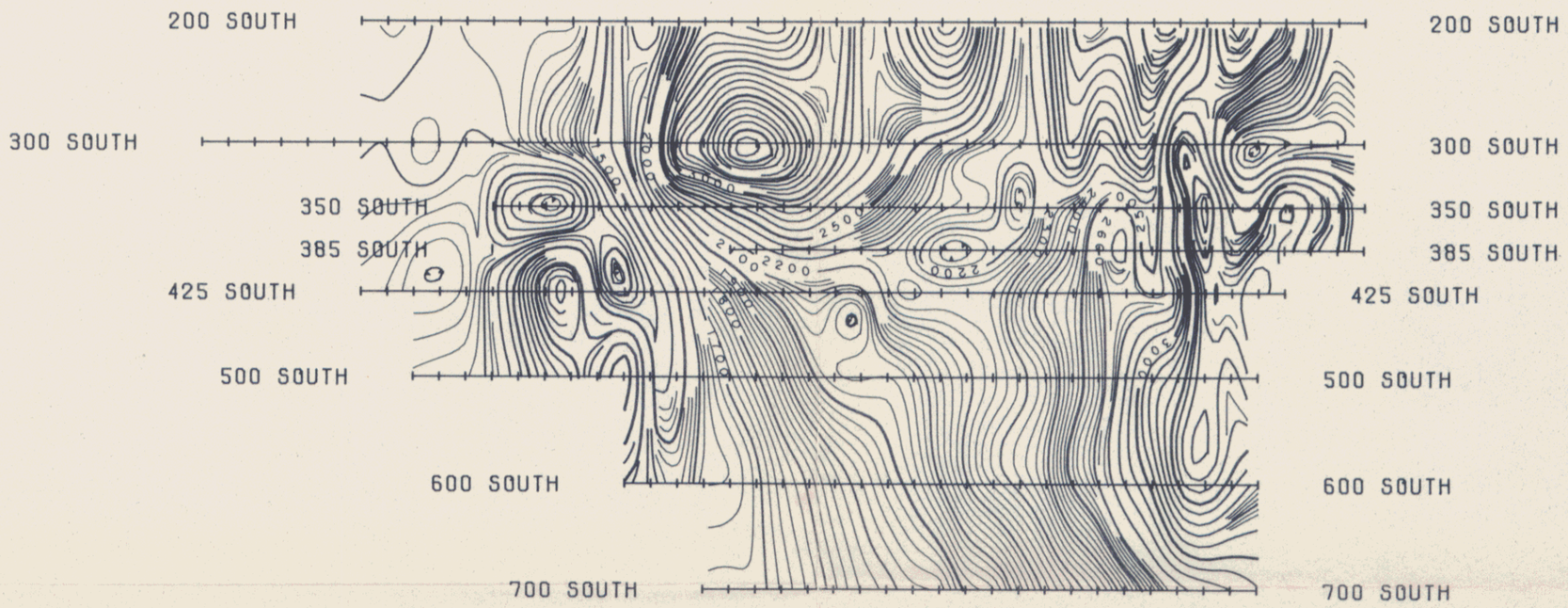


092869

10 0 10 20 30

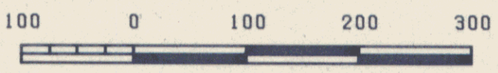
Map#1055/5 Doc.#092869 (198)

DUNVEGAN EXPLORATION LTD.		
GROUND MAGNETICS : SURVEYED JULY 1989 BY JOHN P. STEELE		
TOG PROPERTY SHOWING GRID	TOTAL FIELD MAGNETICS BASE VALUE : 57000 GAMMAS	
SCALE 1 : 500	FIGURE 14	DATE: AUGUST 1989
POCESSING BY URQUHART DVORAK LIMITED		



400 WEST
200 WEST
BASE LINE
200 EAST
400 EAST
600 EAST

092869

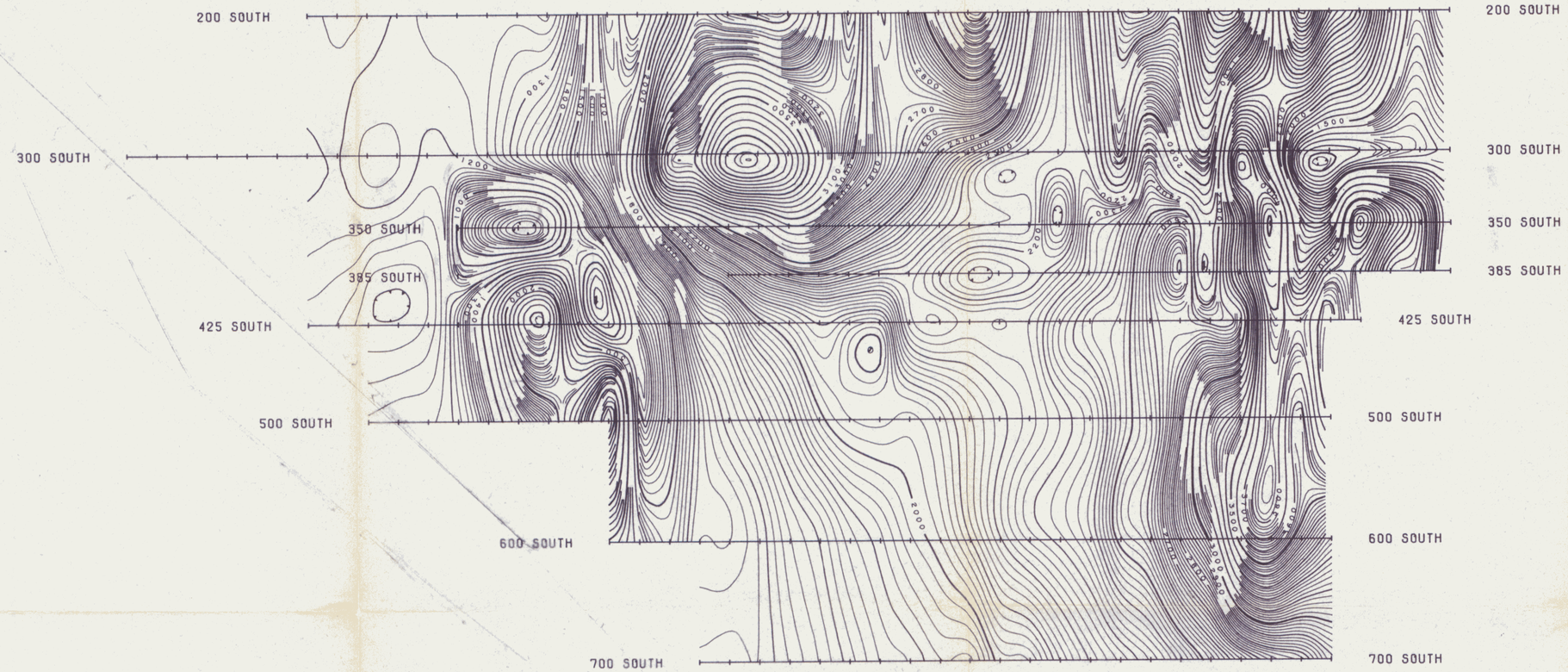


Map#105G/5 Doc#092869 (199)

DUNVEGAN EXPLORATION LTD.		
GROUND MAGNETICS : SURVEYED JULY 1989 BY JOHN P. STEELE		
TOG PROPERTY MAIN GRID	TOTAL FIELD MAGNETICS BASE VALUE = 57000 GAMMAS	
SCALE 1 : 5000	FIGURE 15	DATE: AUGUST 1989
POCESSING BY URQUHART DVORAK LIMITED		

400 WEST | 200 WEST | BASE LINE | 200 EAST | 400 EAST | 600 EAST

200 SOUTH
300 SOUTH
350 SOUTH
385 SOUTH
425 SOUTH
500 SOUTH
600 SOUTH
700 SOUTH



092869

MAP #105C/5 Doc # 092869 (200)

DUNVEGAN EXPLORATION LTD.

GROUND MAGNETICS : SURVEYED JULY 1989 BY JOHN P. STEELE

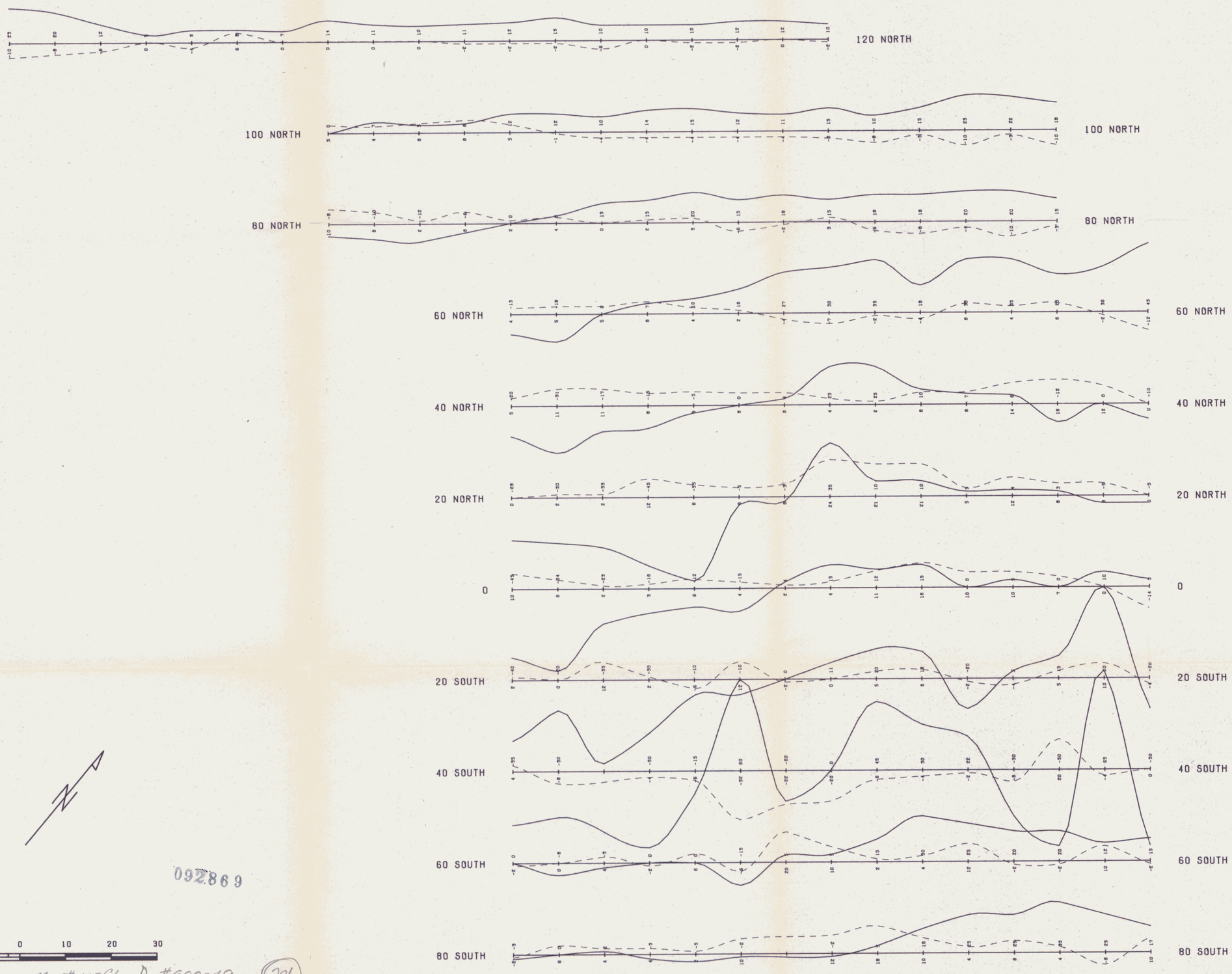
TOC PROPERTY MAIN GRID	TOTAL FIELD MAGNETICS BASE VALUE = 57000 GAMMAS	
SCALE 1 : 2500	FIGURE 16	DATE: AUGUST 1989

POCESSING BY URQUHART DVORAK LIMITED

N

50 0 50 100 150

180 EAST | 160 EAST | 140 EAST | 120 EAST | 100 EAST | 80 EAST | 60 EAST | 40 EAST | 20 EAST | BASE LINE | 20 WEST | 40 WEST | 60 WEST



100 EAST | 80 EAST | 60 EAST | 40 EAST | 20 EAST | BASE LINE | 20 WEST | 40 WEST | 60 WEST

092869

10 0 10 20 30

Map#105C/5 Doc#092869 (201)

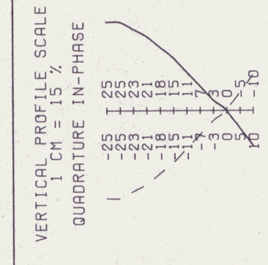
DUNVEGAN EXPLORATION LTD.

GROUND VLF-EM : SURVEYED JULY 1989 BY JOHN P. STEELE

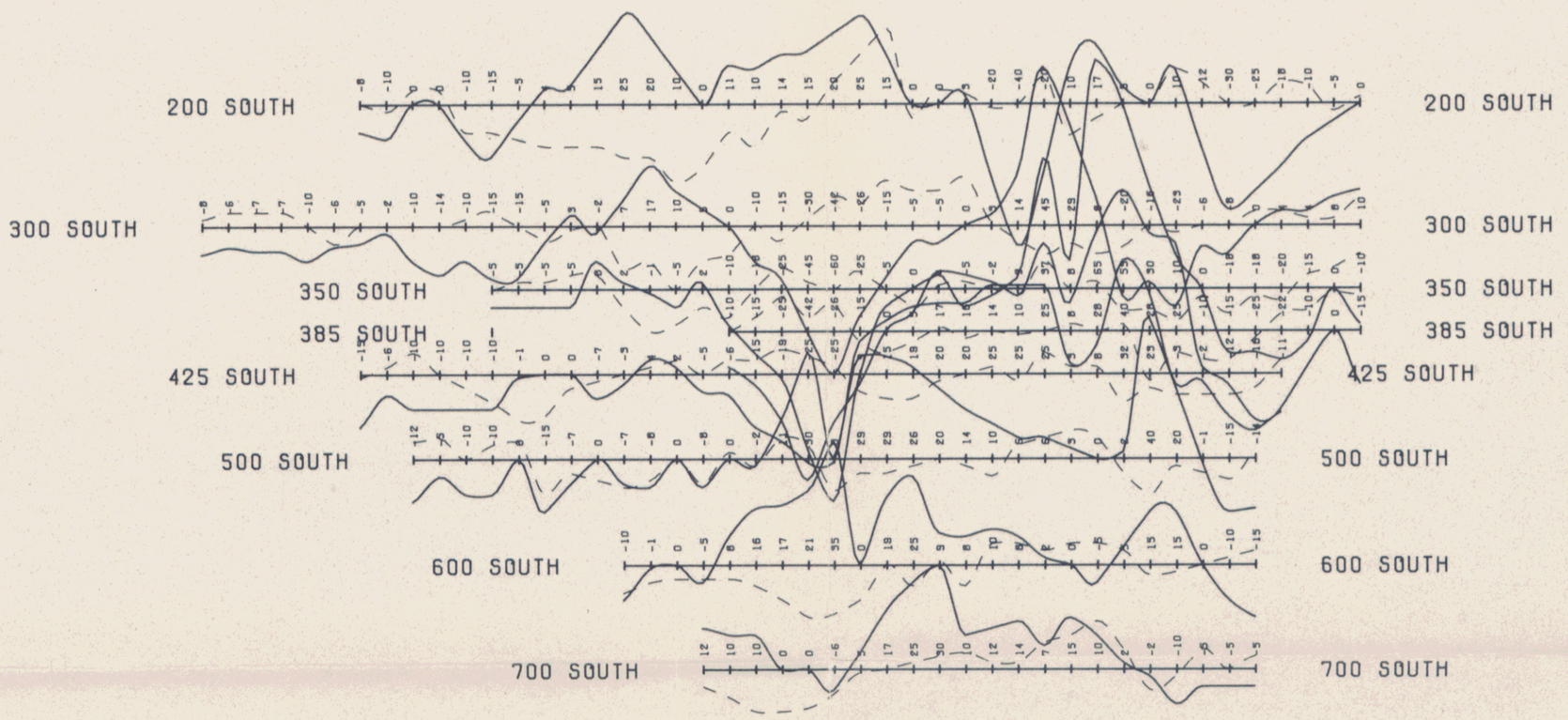
TOG PROPERTY SHOWING GRID	VLF-EM VLF TRANSMITTER : CUTLER 24.0 KHZ DIRECTION : 130 DEGREES TRUE
SCALE 1 : 500	FIGURE 17	DATE: AUGUST 1989

POCESSING BY URQUHART DVORAK LIMITED

VERTICAL PROFILE SCALE
1 CM = 15 %
QUADRATURE IN-PHASE



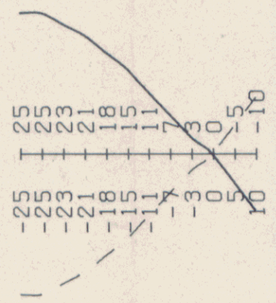
400 EAST | 200 EAST | BASE LINE | 200 WEST | 400 WEST | 600 WEST

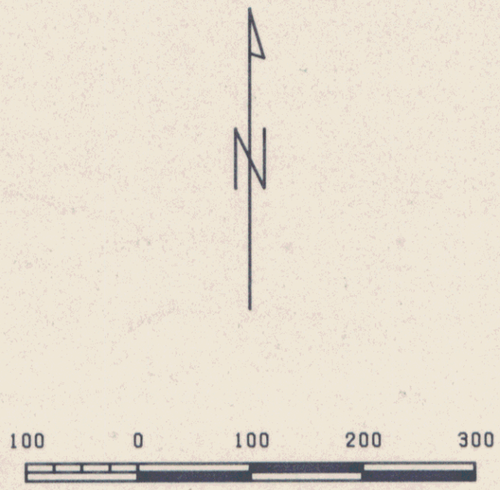


400 EAST | 200 EAST | BASE LINE | 200 WEST | 400 WEST | 600 WEST

092869

VERTICAL PROFILE SCALE
1 CM = 15 %
QUADRATURE IN-PHASE





Map #105C/5 Doc #092869 (202)

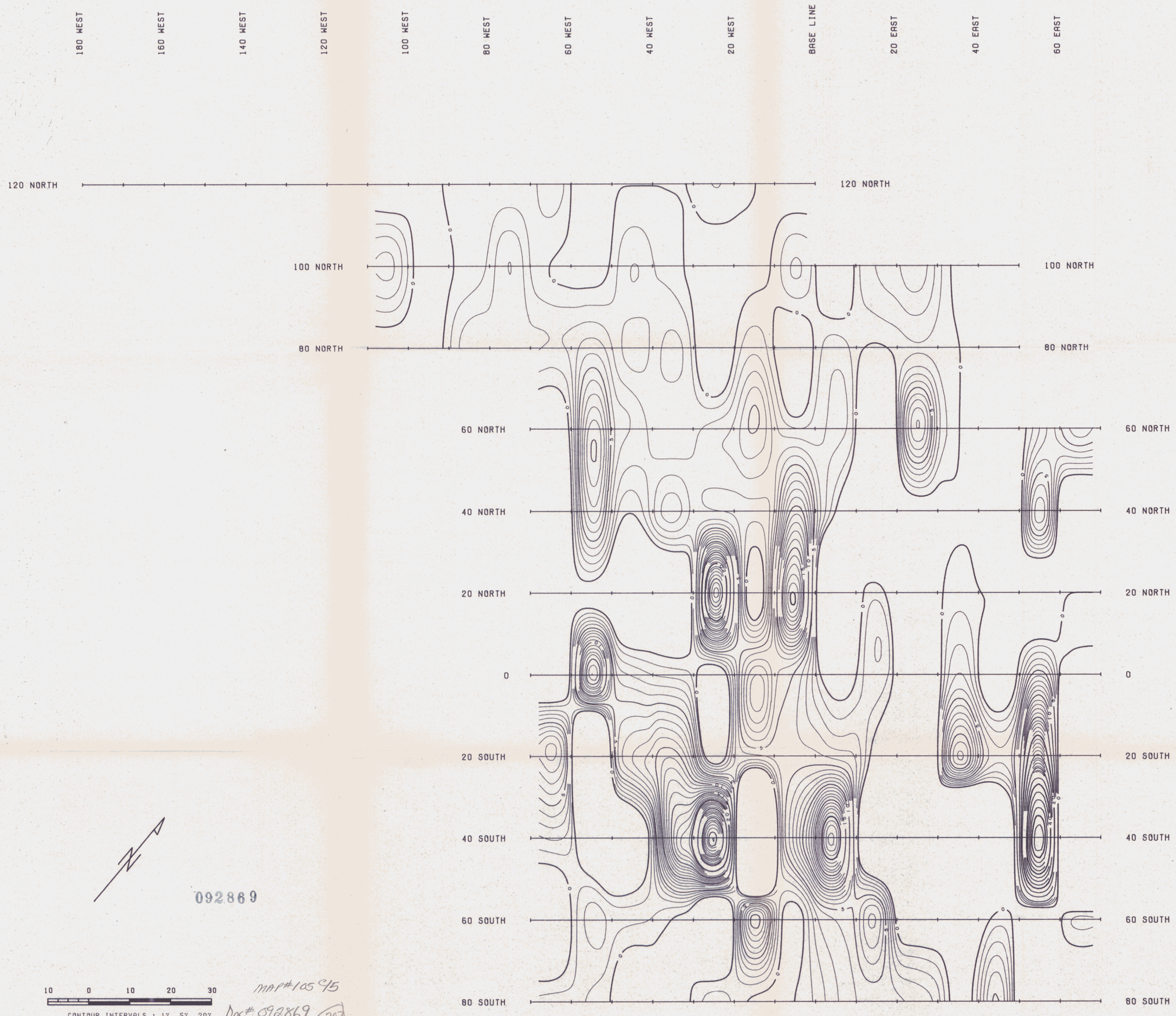
DUNVEGAN EXPLORATION LTD.

GROUND VLF-EM : SURVEYED JULY 1989 BY JOHN P. STEELE

TOG PROPERTY MAIN GRID	VLF-EM VLF TRANSMITTER : HAWAII 23.4 KHZ DIRECTION : 215 DEGREES

SCALE 1 : 5000	FIGURE 18	DATE: AUGUST 1989

POCESSING BY URQUHART DVORAK LIMITED



092869

10 0 10 20 30

CONTOUR INTERVALS : 1%. 5%. 20%

MAP#105 C/5

Doc# 092869 (203)

DUNVEGAN EXPLORATION LTD.

GROUND VLF-EM : SURVEYED JULY 1989 BY JOHN P. STEELE

TOG PROPERTY
SHOWING GRID

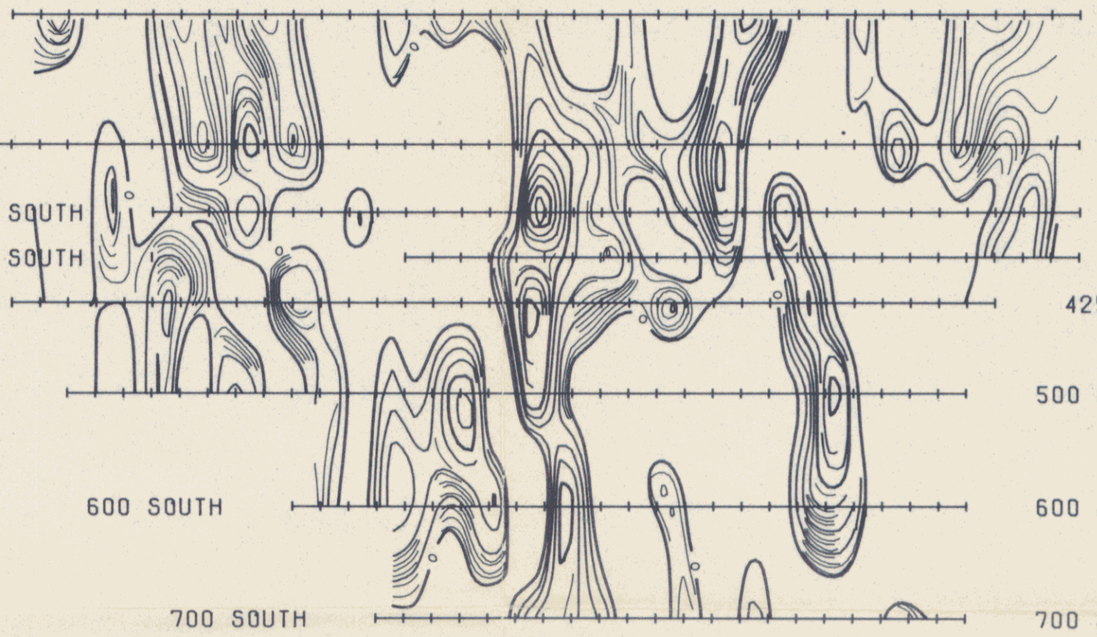
FRASER FILTERED VLF-EM
VLF TRANSMITTER : CUTLER 24.0 KHZ
DIRECTION : 130 DEGREES TRUE

SCALE 1 : 500 | FIGURE 19 | DATE: AUGUST 1989

POCESSING BY URQUHART DVORAK LIMITED

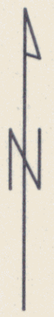
400 WEST | 200 WEST | BASE LINE | 200 EAST | 400 EAST | 600 EAST

200 SOUTH
300 SOUTH
350 SOUTH
385 SOUTH
425 SOUTH
500 SOUTH
600 SOUTH
700 SOUTH



092869

400 WEST | 200 WEST | BASE LINE | 200 EAST | 400 EAST | 600 EAST



100 0 100 200 300

CONTOUR INTERVALS : 1%. 5%. 20%

MAP#1054S Doc#092869 (204)

DUNVEGAN EXPLORATION LTD.

GROUND VLF-EM : SURVEYED JULY 1989 BY JOHN P. STEELE

TOG PROPERTY MAIN GRID	FRASER FILTERED VLF-EM VLF TRANSMITTER : HAWAII 23.4 KHZ DIRECTION : 215 DEGREES

SCALE 1 : 5000	FIGURE 20	DATE: AUGUST 1989

POCESSING BY URQUHART DVORAK LIMITED

092869

CONTOUR INTERVALS : 1%, 5%, 20%

Map#1059 Dat#092869 (205)

DUNVEGAN EXPLORATION LTD.		
GROUND VLF-EM : SURVEYED JULY 1989 BY JOHN P. STEELE		
TOC PROPERTY MAIN GRID	FRASER FILTERED VLF-EM VLF TRANSMITTER : HAWAII 23.4 KHZ DIRECTION : 215 DEGREES	
SCALE 1 : 2500	FIGURE 21	DATE: AUGUST 1989
POCESSING BY URQUHART DVORAK LIMITED		

N

50 0 50 100 150

CERTIFICATE

I hereby certify that I performed geophysical surveys on the BUG and TOG properties of DUNVEGAN EXPLORATION LTD.

I am a practicing geophysicist and have practiced my profession since 1965. I have a B.Sc. degree in Geophysics from the University of Toronto and a M.Sc. degree from the University of British Columbia. I have performed airborne and ground geophysical surveys both in the employ of companies in Canada and France and as an independent contractor and consultant since 1965. I am presently employed as the President of the Canadian Centre for Geoscience Training where I operate the company which provides training in geophysics for people in many third world contries. I also act as an independent consultant working for the Mekong Silk Company Ltd. where I perform geophysical surveys and consult on geophysical matters. My present clients include: Dunvegan Exploration Ltd.; The International Atomic Energy Agency in Vienna, Austria; the Atomic Energy Organization of Iran; the Electrical Generating Authority of Thailand; the Department of Mineral Resources of Thailand and Compagnie General de Geophysique of France.

I performed ten days of field work and six and one half days of compilation, interpretation and report writing for Dunvegan Exploration Ltd. This work was performed in July and August, 1989. I have no interest in Dunvegan Exploration Ltd. in any form other than as an independent consultant to them.

Yours sincerely,

John P. Steele,
Toronto, Ontario,
August 28, 1989.

Geological Report on the
BUG, PHIL and TOG - GOT - POT Group of Claims

BUG CLAIMS:

Latitude	**60 22'00"N**
Longitude	**134 12'00"W**
NTS	**105 D/8**

PHIL CLAIMS:

Latitude	**60 23' 15"N**
Longitude	**134 02'30"W**
NTS	**105 D/8**

TOG - GOT - POT GROUP OF CLAIMS:

Latitude	**60 25'00"N**
Longitude	**133 37'20"W**
NTS	**105 C/5**

Whitehorse Mining District
Yukon Territory

CONFIDENTIAL

for

Dunvegan Exploration Ltd.
205 - 700 West Pender Street
Vancouver, B.C.
V6C 1G8

by

William A. Taylor B.Sc.
David J. Copeland B.Sc., P. Eng.
David A. Shaw, Ph.D.
September 5, 1989

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $12,500.

D J Ouellette

for Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

TABLE OF CONTENTS

1.	SUMMARY	1
2.	INTRODUCTION	2
	Property	2
	Location and Access	3
	Physiography and Vegetation	3
3.	HISTORY	4
4.	CURRENT WORK	6
5.	GEOLOGY	8
	Regional Geology	8
	Property Geology	8
6.	MINERALIZATION	12
7.	GEOCHEMISTRY	13
8.	GEOPHYSICS	14
9.	CONCLUSIONS	15
10.	RECOMMENDATIONS AND COST ESTIMATES	17
12.	BIBLIOGRAPHY	20
13.	CERTIFICATE OF QUALIFICATIONS	21
14.	STATEMENT OF COSTS	24

APPENDICES

Appendix 1: letter from Dr. S.B. Ballantyne to Mr. J. Ryan
Appendix 2: description of analytical procedure
Appendix 3: assay certificates
Appendix 4: assay results and rock descriptions for Bug property
Appendix 5: assay results and rock descriptions for Tog property
Appendix 6: figures 14, 15 and 16 showing soil geochemistry locations

LIST OF FIGURES

Fig.	1.	Property location map	Following 2
	2.	BUG property claim map	Following 2
	3.	PHIL property claim map	Following 2
	4.	TOG property claim map	Following 2
	5.	Regional geology	Following 8
	6.	BUG property: geology	Following 9
	7.	TOG property: geology	Following 10
	8.	BUG property: systematic chip sampling of trench #1	Following 12
	9.	TOG property: systematic rock sampling of Tog showing	Following 12
	10.	BUG property: Geophysical Survey (Grid locations)	Following 14
	11.	TOG property: Geophysical Survey (Grid locations)	Following 14
	12.	BUG property: compilation map	Following 14
	13.	TOG property: compilation map	Following 14
	14.	BUG property: soil geochemical locations	Appendix 6
	15.	PHIL property: soil and stream geochemical sampling	Appendix 6
	16.	TOG property: soil geochemical locations	Appendix 6

LIST OF TABLES

Table #1:
Summary of claims held by Dunvegan Exploration Ltd. Page 2

Table #2
Assay results and sample descriptions - BUG property trench #1 showing Following 12

Table #3:
Assay results and sample descriptions - BUG property Zone B Following 12

Table #4:
Assay results and sample descriptions - TOG property showing Following 12

SUMMARY

The three properties that are owned by Dunvegan Exploration Ltd., the BUG property, the TOG property and the PHIL property, are located in the southwest part of the Yukon Territory. The nearest major settlement is Whitehorse which is located to the northwest, approximately 80 kilometres distance along the Alaska Highway. All properties are road accessible from this highway.

All interests in the claims are 100% owned by Dunvegan Exploration Ltd. and in total comprise 180 claim units.

The properties are largely underlain by Cache Creek terrane rocks recognized to be part of an ophiolitic complex, a dismembered ocean floor sequence.

Activity dating back to 1898 is recorded on the BUG claims when they were originally staked as the Cooper Bell claim. During the 1960's and early 1970's a limited amount of hand trenching was performed, on a chrome mica iron carbonate (listwaenite) alteration zone. This was subsequently drilled during a two hole diamond drill program. Core recovered during this program was re-assayed by G. McLeod and returned gold values up to 2.00 g/t (0.058 oz/ton). During the 1980's the claims have received a succession of small exploration programs that have focused on the strongly altered ultramafic rock. A trench was excavated at the site of a 750 ppb gold soil anomaly, chip sampling returned values from the trench of 1790 ppb gold over a width of 0.5m and 500 ppb gold over a width of 4.0m.

The ground now staked as the TOG group of claims was initially explored by Gordon McLeod in the 1970's whilst he was prospecting in the area. Work on the TOG claims has been limited to brief property examinations, minor mapping for asbestos, access construction and cat trenching. A pan concentrate from Seaforth Creek, located on the eastern perimeter of the property, assayed 0.7 oz./ton gold. A value of 0.262 oz./ton gold was returned from a sample collected on the property by S.B. Ballantyne in 1985. In late 1988 samples collected from the main showing by G. McLeod returned up to 31.651 oz./ton gold (selected sample from blasted outcrop).

The PHIL claims were originally staked on behalf of G. McLeod in 1987 and have received limited attention since then.

The 1989 exploration program was directed towards gaining an understanding of the geology and the potential for economic mineralization. Results to-date have outlined strong structural controls on both the BUG and TOG properties associated with both an intense alteration of tectonically emplaced ultramafic bodies and anomalous to very high grade gold mineralization. On the BUG property a wedge of altered sediments anomalous in gold found within a well defined shear zone, has been documented. On the TOG property extremely high grade gold mineralization (assay values up to 41.482 oz/ton - selected outcrop sample) has been mapped and sampled within a structually controlled zone of quartz veining and quartz carbonate alteration. The amount of gold mineralization is very encouraging and similar in type to the Motherlode district in California, noted for its spectacular pocket bonanza concentrations of gold within the vugs in quartz veins. Coarse visible gold has been found on the TOG property over a known strike length of 26 metres and across a true width of 5 metres in thirteen localities on surface. Geophysical surveying has detected conductors at the showing, suggesting mineralization may continue along strike for at least 140 metres.

On both the BUG and TOG properties the gold mineralized zones are open along strike and down dip. Furthermore there are additional targets that warrent investigation based on similar structures and (listwaenitic) alteration haloes as documented at the main showings.

The geological setting of the BUG and TOG properties is also very similar to that of the Atlin Gold Camp located 110 kilometres to the south.

INTRODUCTION

Dunvegan Exploration Ltd. of Vancouver, B.C., operates the BUG, PHIL and TOG properties, three seperate mining properties comprising 180 claims in the Whitehorse Mining District, Yukon Territory.

This report, prepared at the request of the directors of Dunvegan Exploration Ltd., describes the geological setting, history, 1989 exploration results and economic potential of the properties. As a result of the initital 1989 fieldwork a further exploration program is recommended on the BUG and TOG properties along with an estimate of cost.

During the 1989 field season (June 29 to August 3) W. Taylor supervised an exploration program on the BUG and TOG properties which included the establishment of a grid, rock and soil sampling, geological mapping and geophysical surveying. D. Copeland reviewed the initial program and commented on progress. During this period the climatic conditions were extremely favourable for conducting field activities.

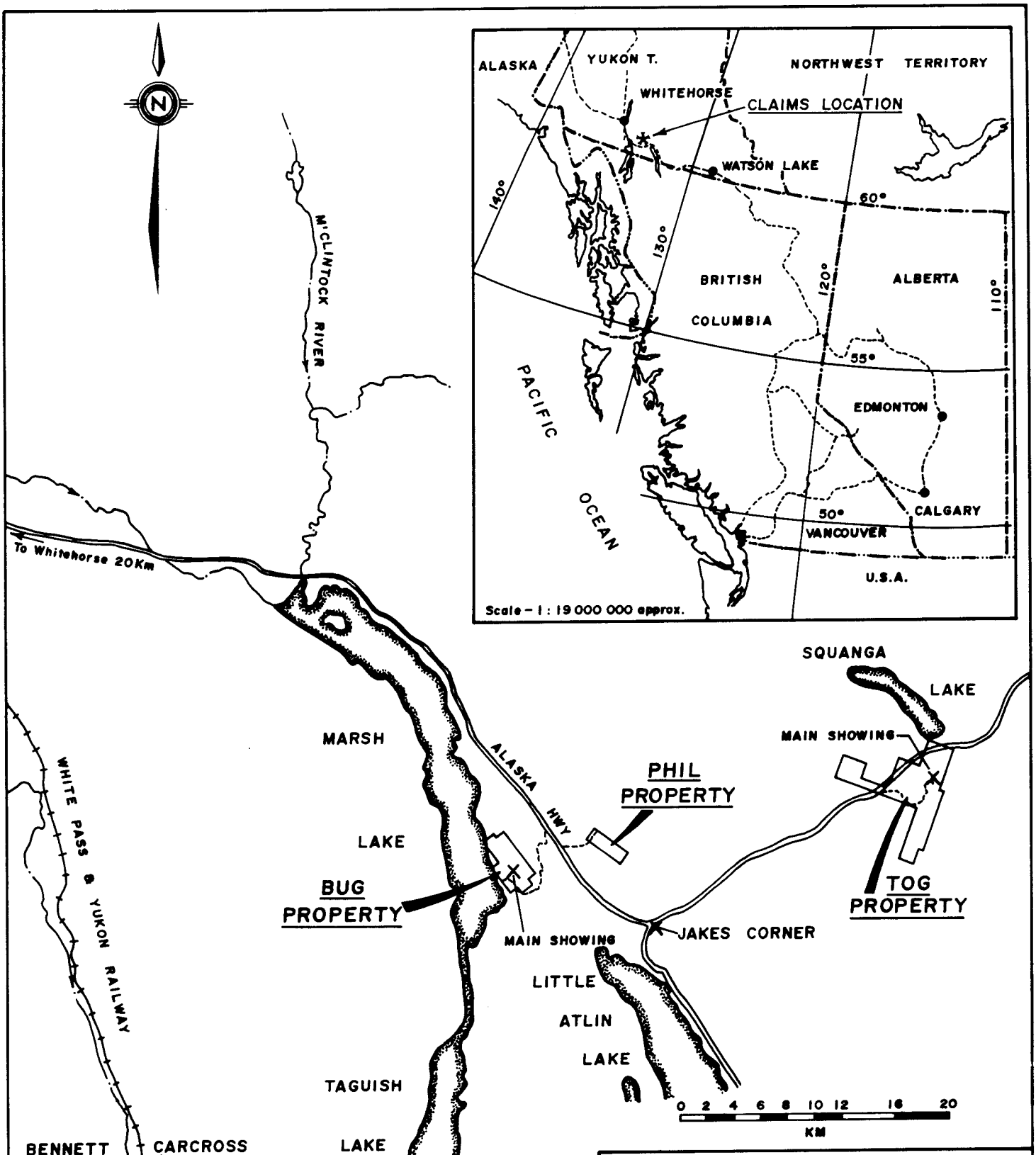
Major sources of information consulted during the course of this study include: an assessment report on the BUG property by M.P. Webster (Noranda Exploration Co. Ltd., 1986), a report on the BUG property by T.J. Bremner (Department of Indian and Northern Affairs, 1987), an assessment report on the BUG property by G. Davidson (1988), a report on the TOG property by D.A. Shaw (1988) and various written communications between S.B. Ballantyne (Geological Survey of Canada) and G. McLeod (1985 to present day) that concerned both the BUG and TOG properties.

Property

The Dunvegan Exploration Ltd. holdings consist of 180 mineral claims. These are summarized in Table 1. (Dunvegan Exploration Ltd. has 100% beneficial interest in all of the claim units listed below).

Table 1

Claim	Grant Numbers	Expiry Date
Tog 1 - 10	YA82536 - YA82545	July 3, 1991
Tog 11 - 24	YB20446 - YB20459	July 18, 1992
Tog 25 - 44	YB24638 - YB24657	Dec 13, 1989
Tog 45 - 73	YB25431 - YB25459	Feb 28, 1990
Got 1 - 16	YB20460 - YB20475	July 18, 1992
Got 17 - 21	YB25460 - YB25464	Feb 28, 1991
Got 22 - 29	YB25465 - YB25472	Feb 28, 1990
Pot 1 - 16	YB20476 - YB20491	July 18, 1992
Bug 1 - 4	YA87163 - YA87166	May 25, 1991
Bug 5 - 12	YA94879 - YA94886	May 25, 1991
Bug 13 - 16	YA95186 - YA95189	May 25, 1991
Bug 17 - 20	YA97369 - YA97372	May 25, 1991
Bug 21 - 24	YA98074 - YA98077	July 2, 1990
Bug 25 - 50	YB12869 - YB12894	Feb 18, 1990
Phil 1 - 12	YA96636 - YA96647	Jan 14, 1990

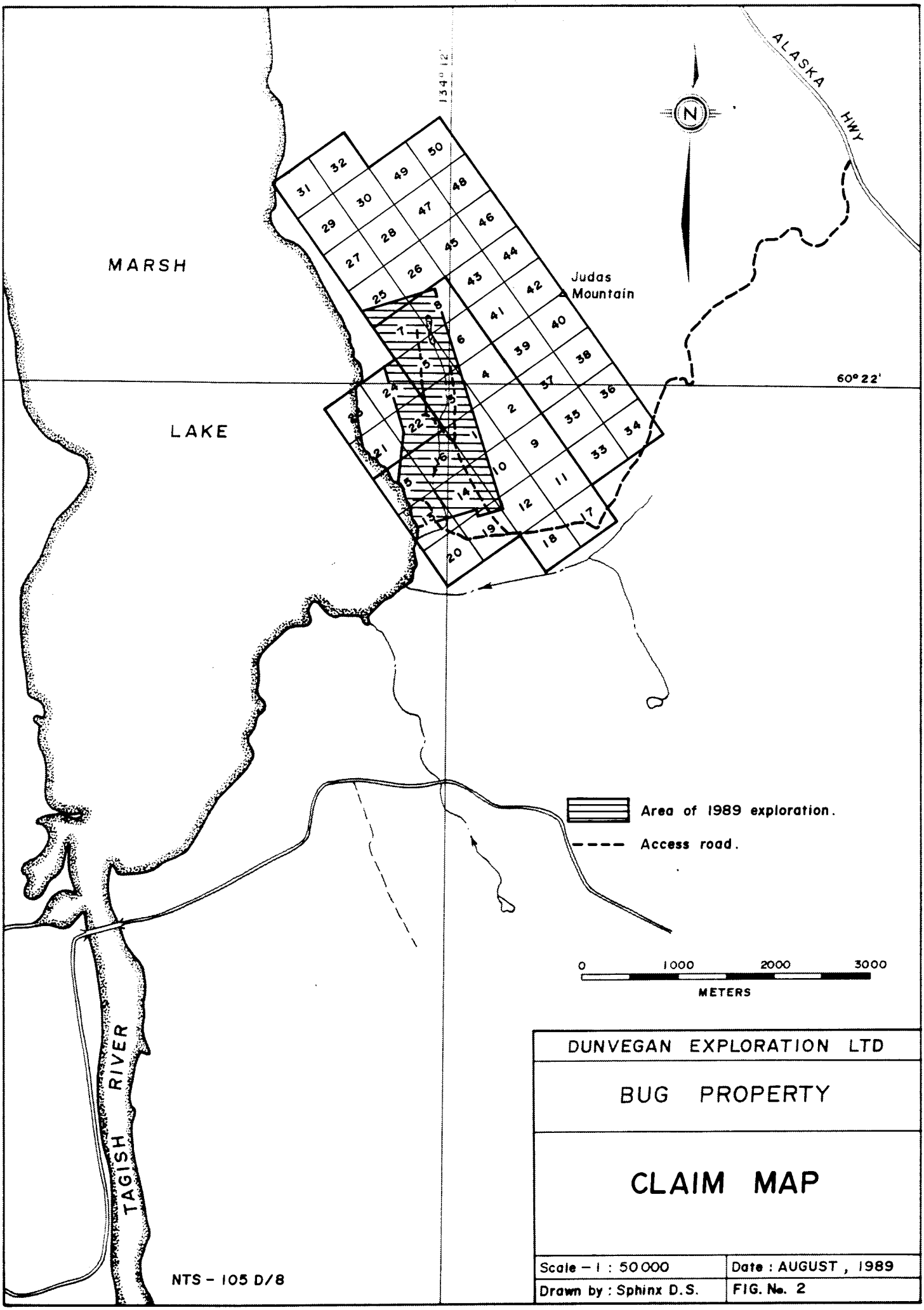


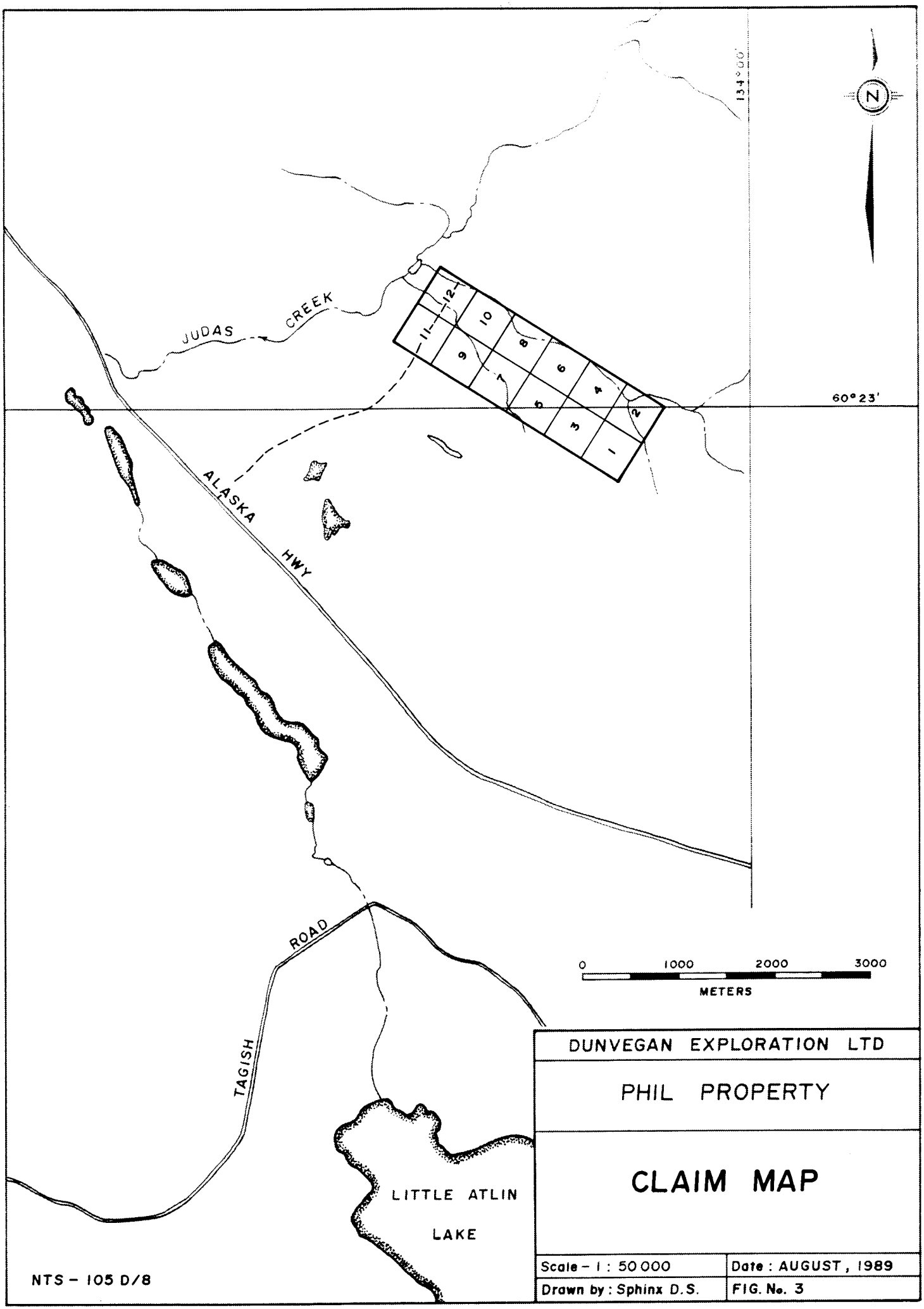
DUNVEGAN EXPLORATION LTD

BUG, PHIL & TOG CLAIMS

PROPERTY LOCATIONS MAP

Data : W.T.	Date : August, 1989
Drawn by: Sphinx D.S.	FIG. No. 1


ALASKA HWY
134° 12'
N
MARSH
LAKE
Judas Mountain
60° 22'
Area of 1989 exploration.
Access road.
0 1000 2000 3000
METERS
TAGISH RIVER
NTS - 105 D/8
DUNVEGAN EXPLORATION LTD
BUG PROPERTY
CLAIM MAP
Scale - 1 : 50000
Date : AUGUST , 1989
Drawn by : Sphinx D.S.
FIG. No. 2

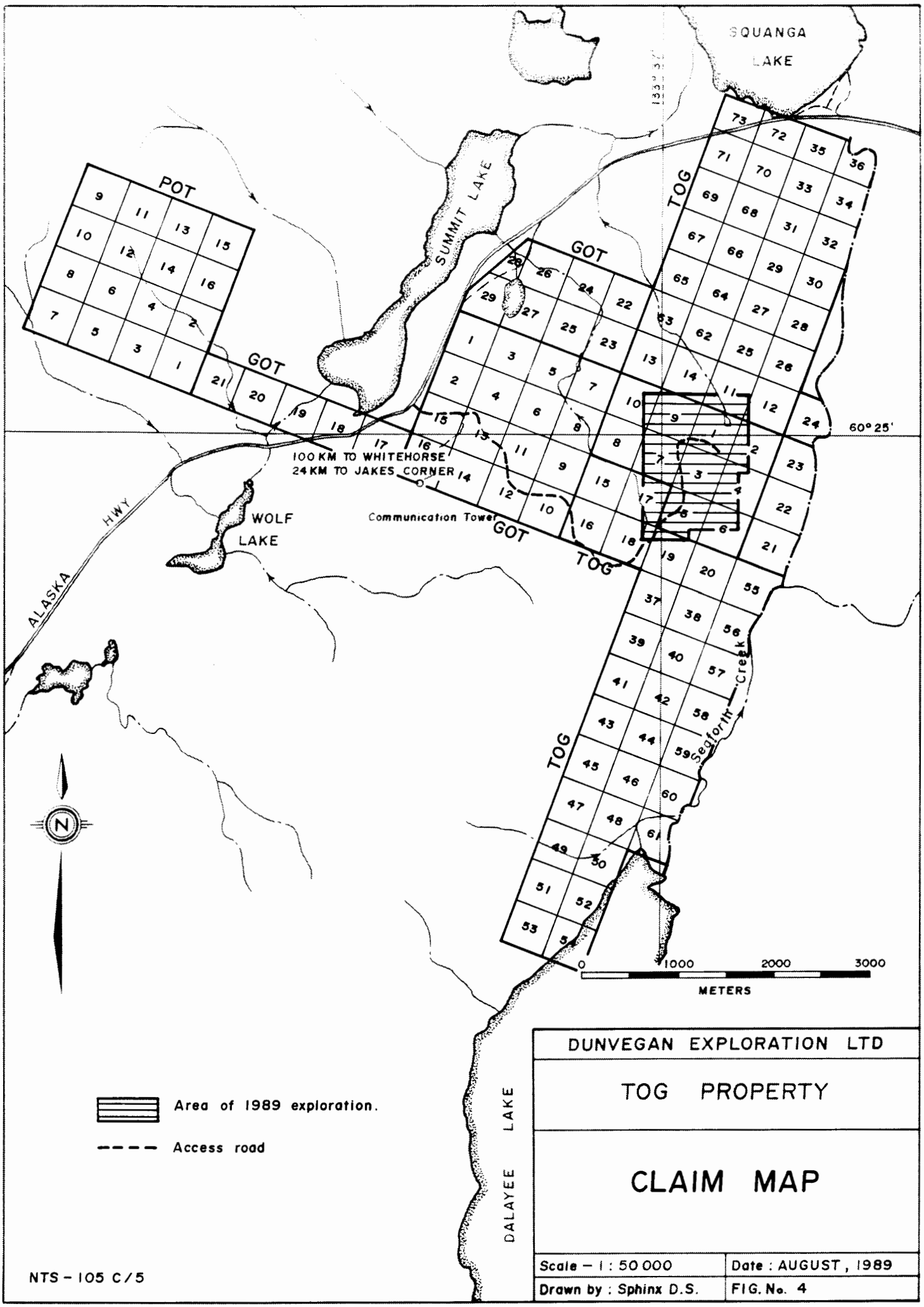


DUNVEGAN EXPLORATION LTD

PHIL PROPERTY

CLAIM MAP

Scale – 1 : 50 000	Date : AUGUST, 1989
Drawn by : Sphinx D.S.	FIG. No. 3


SQUANGA LAKE
SUMMIT LAKE
POT
GOT
TOG
100 KM TO WHITEHORSE
24 KM TO JAKES CORNER
Communication Tower
WOLF LAKE
ALASKA HWY
60° 25'
Seaforth Creek
DALAYEE LAKE
N
0 1000 2000 3000
METERS
Area of 1989 exploration.
Access road
NTS - 105 C/5
DUNVEGAN EXPLORATION LTD
TOG PROPERTY
CLAIM MAP
Scale - 1 : 50 000
Date : AUGUST, 1989
Drawn by : Sphinx D.S.
FIG. No. 4

Location and Access

The BUG claims (NTS 105 D/8) lie 70 kilometres southeast of Whitehorse, Yukon. The claims are located at the southeast corner of Marsh Lake at latitutde 60°22'N and longitude 134°12'W (figure 1). Access to the claims is via a two wheel drive road which meets the Alaska Highway 100 metres south of Judas Creek, and follows a southerly direction (Figure 2). The main showing (trench 1) is 8km along subsidiary 'cat' roads.

The PHIL claims (NTS 105 D/8) lie 70 kilometres southeast of Whitehorse, Yukon. The claims are located 3 kilometres east of the Judas Creek campground at latitude 60°23'15'N and longitude 134°2'30"W (figure 1). The PHIL claims are 9 kilometres east-north-east from the BUG claims. Access is via a two wheel drive gravel road which meets the Alaska Highway 2 kilometres south of Judas Creek (Figure 3).

The TOG-GOT-POT group of claims, which here and after will be referred to as the TOG claims or property (NTS 105 C/5), lie 88 kilometres southeast of Whitehorse, Yukon (N.T.S. 105 D/8). The claims are located between Squanga and Delayee Lakes (Figure 1) at latitude 60°25'00"N, longitude 133°37'20"W. To the west, the claims cross the Alaska Highway at the southern end of Summit Lake. Access to the claims is via the Alaska Highway, 100 kilometres southeast from Whitehorse. South of Summit Lake and 24 kilometres west north west of Jakes Corner, a 4-wheel drive summer road winds in an easterly direction for 5.5 kilometres to the main showing (Figure 4).

A resort and motel are conveniently located on Marsh Lake and at Jakes Corner, food and accomodation facilities are offered in addition to a service station. All three properties are a few minutes drive from these amenities, while Whitehorse has a daily bus and air service to Vancouver.

Physiography, Vegetation

Elevations on the area of exploration on the BUG claims range from 655 metres on the lake front, to 760 metres. Northwesterly trending "rocky" ridges occur east and west of a north/south trending stream, that drains the southwest quadrant of the property and flows into Marsh Lake. Vegetation on the BUG claims consists of moderately dense jackpine forest and to a lesser extent poplar trees. Alpine moss and shrubs occur on rocky ridges and marsh grasses with dense buckbrush grow in the swampy areas.

Elevations on the PHIL claims vary from less than 790 metres in the northwest, gently rising to 884 metres in the southeast. This relatively flat lying ground is incised by two north west flowing tributaries which run the length of the claims and drain into Judas Creek (Figure 3). Glacial sand and gravel deposits cover most of the claim. Vegetation on the PHIL claims consists of light jackpine and spruce forest. Towards Judas Creek the tributaries widen and in the swampy areas the buckbrush is dense.

Elevations in the area explored in 1989 on the TOG claims range from 1160 metres in the south to 915 metres in the north. Topography varies throughout the claims but is relativley steep to the south and east of the main showing, flattening towards the marshy lands of Seaforth Creek to the east. Generally the claims are incised by northwest trending creeks. Vegetation is dense on the TOG property, whilst some of the higher ridges have a cover of small shrubs as well jackpine and spruce, much of the claims are covered in dense buckbrush. Jackpine forests predominate in the northern part of the claims towards the highway.

Climate

Southwestern Yukon has a dry subartic climate with warm summers and cold winters. Average annual rainfall is 40cm. The area of the three properties is generally free from snow cover between May and November.

HISTORY

The following is an outline of the history of the three properties using all known and available data to the authors:

The BUG property was originally staked in 1898 as the Cooper Bell claim. This area was restaked as the GNM claims in 1964, and the DYMAX and MINERAL claims in 1966. Between 1964 and 1971, the claims were explored by hand trenching, a 1.5m adit and a 4.6m packsack drill hole. In 1972, two holes totalling 208.9 metres were drilled at the site of the adit through orange-weathering, siliceous, iron carbonate (chrome mica) altered ultramafics, into fractured and altered volcanic rocks. In 1981, G. McLeod (prospector and present director of Dunvegan Exploration Ltd.) reassayed the old drill core which returned assays of 1.6 g/t and 2.0 g/t gold, in the fractured volcanic rock (T. Bremner, DIAND, July 1987 Geological Report). McLeod then restaked the property as the FM and MF claims. Shakwak Exploration Co. Ltd. optioned the property in 1982 and limited geological mapping with a brief magnetometer survey was done. The FM and MF claims were restaked by G. McLeod in 1985 as the BUG 1-4 claims.

Noranda Exploration Co. Ltd. examined the claims in June 1986 (Assessment Report #091860) and three days of prospecting, soil and rock sampling, was conducted by M.P. Webster. The small soil survey revealed an isolated gold/arsenic geochemical anomaly (750 ppbAu/540ppm As). The BUG 5-24 claims were then added to the property on June 28, 1987 by G. McLeod.

In 1987 G. Davidson (P. Geol.) of Whitehorse supervised a trenching and sampling program. Four trenches were excavated by a combination of D8K caterpiller bulldozer work and blasting and an extensive access road system was constructed on the property. Mapping of the trenches was carried out by G. Davidson in June 1987, and trench 1, located in the vicinity of the 750 ppb gold soil anomaly, returned 1790 ppb gold over 0.5m and 500 ppb gold over 4.0m, from brecciated and altered sedimentary rocks containing pyrite. A felsic dyke

returned a value of 1010 ppb gold. (Evaluation Report for Dunvegan Exploration Co. Ltd. by G. Davidson.) During this period T. Bremner (D.I.A.N.D.) spent several days mapping on and near the property, in order to relate the showing to the regional geology. Prominent alteration zones 12 metres wide, forming conspicuous orange cliffs 9 metres high and traceable for at least 2.4 km along strike, were noted by Bremner.

Newmont Exploration of Canada Ltd. re-sampled trench 1 and trench 2 in 1987 and several chip samples of quartz veining, quartz stock work, quartz fault breccia and altered sheared rocks were collected, and anlaysed by neutron activation. Values of up to 992 ppb gold were obtained. J. Turner of Newmont stated that "the sampling on the BUG claims did show elevated values in gold and the property has merit". (Letter to G. McLeod, November 26, 1987.) No option agreement was signed, however. Following this, 25 claim units were added to the BUG claims on behalf of Dunvegan Exploration Ltd. in February 1988. In October 1988, D. Shaw of Resource Research Group made a brief review of available data and suggested that a limited program was required in order to extend the known anomalies and to test for new ones.

The PHIL claims lie on a tributary system of Judas Creek that was originally of interest to placer gold prospectors. (Personal communication - G. McLeod). The claims were staked for G. McLeod in 1987 over an airborne magnetic high (G.S.C. Aeromagnetic Map 1315G) and in May 1987, G. Davidson conducted a brief prospecting and soil sampling survey, which revealed two areas of elevated gold values (510 ppb Au and 242 ppb Au), but these were not continuous along parallel sample lines. One area was resampled in July 1987 but the previous anomalous values from May were not duplicated (Assessment Report G. Davidson 1988).

Work on the TOG claims has been limited to brief property examinations, minor mapping, road construction and cat trenching.

Recorded prospecting on the ground now covered by the claims, dates back to the early 1970's when Gordon McLeod (prospector and present director of Dunvegan Exploration Ltd.), staked claims on a chromite prospect. (McLeod was prospecting for nickel in 1972 and discovered a small pod of chromite within serpentinized ultramafic rocks). Mapping was conducted in 1979 by Archer Cathro & Associates Ltd. who were reportedly looking for asbestos (G. McLeod, personal communication), and that year Michael Marchand, the Whitehorse District Geologist, examined the chromite prospect and conducted a microprobe analysis on the pod which showed the Cr_2O_3 content to be 49.4%. G. Yeo of Noranda Exploration visited the claim area in September 1982 and noted the ultramafic hosted chromite and abundant chrome mica rich outcrops, and stated the gold potential to be 'most interesting', after seeing specks of visible gold in siliceous material. A pipeline corridor restriction curtailed exploration activity during this period. In 1983 a pan sample concentrate collected from Seaforth Creek for G. McLeod was analysed by the Bureau of Mines at the University of Alaska and returned a Fire assay I.C.P. value of 0.700 oz/ton gold (Foley, 1983).

Further prospecting of the area in 1984 revealed a quartz vein within a carbonate altered zone. The following year five pits were sand blasted to expose the area which now is referred to as the TOG showing (G. McLeod, personal communication). In 1985, S.B. Ballantyne of the Geological Survey of Canada examined the property and with an assistant collected quartz, altered chrome-mica ultramafic, and quartz with visible gold. His electron microprobe work showed the gold occuring with silver in the quartz vein material and to be very fine: 939.7 (93.5% Au and 6% Ag). Samples collected returned gold values up to 0.262 oz/ton. Ballantyne noted the vuggy nature of some of the quartz-vein material which was surrounded by broad, pervasive, alteration envelopes of carbonate and he stated that there were strong similarities to the Motherlode district style of mineralization. Trever Bremner, the present Whitehorse District Geologist, also sampled the pits in 1987 and selective grab samples from these pits returned gold values up to 0.244 oz/ton.

Newmont Explorations' sampling of the pits in 1987, returned low gold values, and the area was subsequently opened up by cat trenching to make one large trench. Some 6km of road was put in during this time by Dunvegan Exploration Ltd. to access the main showing.

D. Shaw of Resource Research Group was retained by Dunvegan Exploration Ltd. and spent 3 days examining the main trench in October 1988, the purpose of which was to review the showing and outline an exploration and/or development program. The work was hampered by snow cover. A northwest trending, southwest dipping, quartz and iron carbonate alteration zone was mapped. The face observed was 12 meters long and 4 metres wide. A 0.5 metre zone of grey quartz veins, hosting pyrite, malachite and native gold was recognized between white quartz in the hanging wall and black volcanics in the footwall. Selective grab and float samples collected by G. McLeod in the presence of D. Shaw, returned values from 0.039 oz/ton gold to 31.651 oz/ton gold. D. Shaw delineated a number of potential structures using aerial photographs and proposed a preliminary exploration program to outline more prospects and to extend and systematicaly sample the main showing.

CURRENT WORK

BUG Claims

An orientation grid with a baseline trending 162°, extending from 6+00S to 18+00N overlaps a small grid Noranda established in 1986 (Figure 6). Cross lines trending 072° were spaced 100 metres apart between 5+00N and 1+00S and stations were flagged every 25 metres. To the north and south cross lines were spaced at intervals of 200 metres and 300 metres. A total of 13.5 line kilometres was emplaced. In addition to this, a small grid was established over the trench 1 showing to monitor geophysical responses over the area of mineralization and to correlate the detailed rock sampling to the main grid. The baseline runs north-south for 100 metres and stations were flagged at 10 metre intervals along 6 east west cross lines each 100 metres in length.

Mapping was conducted at a scale of 1:2500 by W. Taylor and D. Shaw and mineralized and/or alteration zones were prospected and selectively sampled. The four trenches were located with the aid of G. McLeod (prospector and Director of Dunvegan Exploration Ltd.) and mapped by W. Taylor and D. Shaw. Trench 1 was mapped at a scale of 1:100 (Figure 8) and systematic chip samples, were taken by W. Taylor and M. Moore on all four trenches

(Descriptions and locations of these samples in tables 2, 3, 4 and also Appendix). A total of 53 rock samples were analysed on the BUG claims, including selective grabs, grabs and blasted float samples. Well mineralized samples were analysed by Au metallics (+150 mesh and - 150 mesh) and less mineralized rock was analysed by regular Fire Assay for gold on a 20 gm sample. Most samples were also analysed by 25 element I.C.P. (See Appendix).

A total of 162 soil samples were collected on the BUG property and were taken mainly from the C-horizon, although in some cases humus was tested. The locations are plotted in Figure 14 (see Appendix). Soils were analysed for Au by Fire Assay (AAS finish) on a 20g sample. To check for pathfinder elements, 25 element I.C.P. analysis was also conducted.

PHIL Claims

The PHIL 1-2 group of claims (figure 15) were prospected along the centre of the claims from the northwest to southeast. The 510 Au ppb soil sample taken by G. Davidson in May 1987 was re-sampled both at the C-horizon and the A-humus horizon. A soil sample was also taken at stations 50 metres on either side of this (figure 15), by W. Taylor and M. Moore. Creeks were silt sampled in two localities, two pan concentrates were taken along the northern most tributary draining into Judas Creek and prospecting was conducted along this creek at the northeastern edge of the claim boundary. Samples were analysed for gold and 25 element I.C.P. by Vangeochem Lab Ltd. of Vancouver.

TOG Claims

The main grid was placed over the TOG property to cover all possible structures as delineated on aerial photographs. The north-south baseline extends from 2+00N to 13+00S. East-west cross lines were generally spaced every 100 metres and stations were flagged or blazed every 25 metres. The cross lines on the north half of the grid are 1100 metres long whilst those to the south are 1000 metres long. A total of 20.9 kilometres of line was flagged or blazed. A small "showing" grid was also established over trench 1 in order to accurately locate mineralized and alteration zones and to set up a base for detailed geophysical and geological work over and around the showing. (Figure 11 and Figure 7). A baseline along a bearing of 140° (the presumed strike of the veins) extends 80 metres south east to 120 metres northwest of the showing. Cross lines spaced 20 metres apart extend to the southwest and northeast averaging 70 metres either side of the baseline with stations flagged every 10 metres. All lines were slope corrected using an inclinometer.

Mapping was conducted over the main grid by W. Taylor and D. Shaw at a scale of 1:2500. Mapping on the trench 1 "showing grid" was done at a scale of 1:100 by W. Taylor. On the Tog group of claims 160 rock samples were collected by W. Taylor, D. Shaw and M. Moore, the well mineralized samples were analysed by Au metallics (+150 mesh and -150 mesh) and less mineralized rock was analysed by regular fire assay for gold on a 20gm sample. Most samples were also analysed by 25 element I.C.P. On the showing three selective samples were taken by Richard Clark (Secretary of Dunvegan) in the presence of W. Taylor who duely recorded the location of these samples (Figure 9-RC89001, RC89002 and RC89003).

A total of 449 soil samples were collected on the TOG property by M. Moore and A. MacDonald and 4 silt samples were collected by W. Taylor. Analytical procedures used were the same as on the BUG and PHIL properties. Soil localities are shown in Figure 16. (See Appendix).

Two geophysical orientation surveys were conducted by J.P. Steele, M.Sc., P. Eng. on both the BUG and TOG claims in late July. Magnetometer and V.L.F. surveys were conducted the main grid and the showing grids in both cases and are fully described in the geophysical report by J.P. Steele. The results of this work are briefly summarized in this report.

GEOLOGY

Regional Geology

The BUG claims straddle a northwest trending, in part tectonic, contact between Lower and Middle Jurassic Inklin clastics to the west of Marsh Lake, and Mississippian to Upper Triassic Cache Creek oceanic volcanics and sediments, to the east (Figure 5). Locally these rocks have been termed the Laberge Group and the Tuku Group (Wheeler, 1951). The Laberge Group consists of greywacke, arkose, quartzite, conglomerate, siltstone argillite and hornfels and the Tuku Group consists mainly of volcanic tholeiitic to alkaline basalts.

The PHIL claims lie south of northwest trending Inklin clastics (Laberge) Group and are fault bounded to the west, by Cache Creek volcanics and to the east, by Upper Triassic Lewes River interarc clastics, believed to be Cache Creek Terrane in part (Wheeler, 1987) (Figure 5).

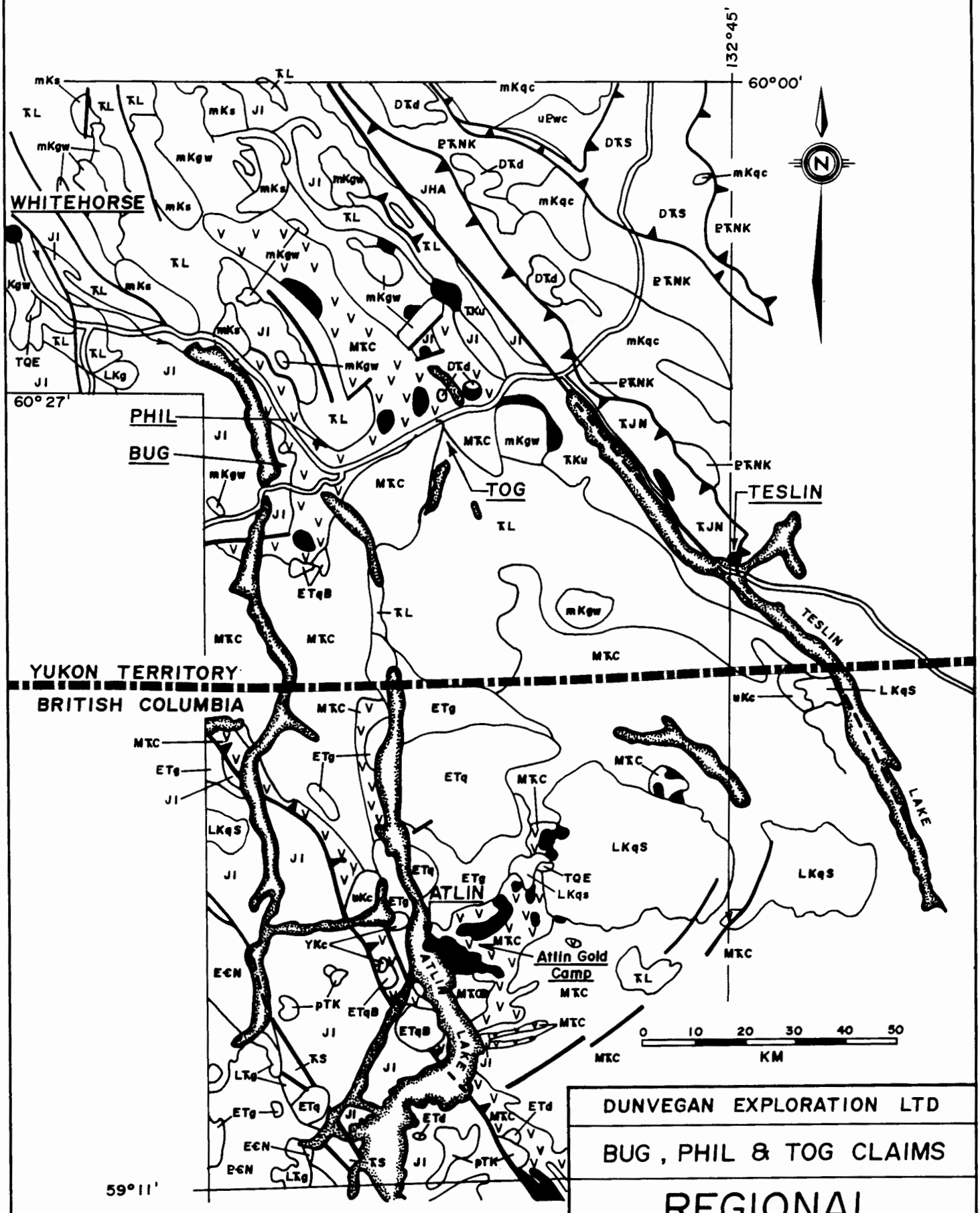
The TOG claims straddle the boundary between Mississippian to Upper Triassic Cache Creek oceanic volcanics and sediments and Upper Triassic Lewes River interarc clastics. Contacts are at least in part tectonic (Figure 5). Near the claims these rocks have been mapped as volcanic and altered volcanic rocks, with chert, minor argillite and quartzite (Mulligan, 1963). Within 20 kilometres of the TOG claims to the east, is a Mid Cretaceous hornblende granodiorite pluton (Figure 5).

Of significance to all properties are the oceanic ultramafic units of dunites, harzburgites and pyroxenites that occur within the Cache Creek Terrane rocks. These have been well documented in the Atlin Gold Camp of Northwestern British Columbia (Bloodgood et al 1989), (Figure 5). They range from linear bodies many tens of kilometres long, to pods and slivers a few metres in length and it has been suggested that these bodies represent oceanic basement. Many of the gold bearing veins in the Atlin camp are related to these ultramafic rocks.

Figure 5 illustrates the network of tectonic linements throughout the region, the ribbon lakes emphasize this feature in particular and of notable mention is the northwesterly trending Teslin Fault System which may have influenced the setting for gold mineralization in the region. (Ballantyne, 1986)

Property Geology

It should be noted that the numbers allocated to each lithology in Figure 6 and Figure 7 for the BUG and TOG properties, do not assume a chronological sequence (i.e. unit 4 may well be the same age stratigraphically as unit 1).



Modified from: G.S.C. OPEN FILE 1565 "Tectonic Assemblage Map of the Canadian Cordillera" (J.O. Wheeler & P. McFeely, 1987)

Note: v = volcanic facies.

DUNVEGAN EXPLORATION LTD

BUG, PHIL & TOG CLAIMS

REGIONAL GEOLOGY

Drawn by: W.T.	Date: AUGUST, 1989
Drafting by: Sphinx D.S.	Fig. No. 5

LEGEND

PLUTONIC AND ULTRAMAFIC ROCKS.

EARLY TERTIARY

ETqB — Bennett:'high level' alaskite

ETg — Granodiorite

LATE CRETACEOUS

LKqs — Surprise lake:Foliated alaskite

LKg — Surprise lake:Granodiorite,quartz monzonite.

MID CRETACEOUS

mKgw — Whitehorse:Granodiorite,diorite,monzonite,leucogranite, and feldspar quartz porphyry dykes.

mKqc — Cassiar:Monzonite and granodiorite(sheared and mylonitized western margins).

LATE TRIASSIC

LTg — Stikine and Coast Range:Diorite,granodiorite,monzonite.

DEVONIAN-TRIASSIC

 — Oceanic ultramafic:Dunite,olivine,harzburgite,pyroxenite, commonly serpentinized.

DTd — Diorite,amphibolite.

TERTIARY

pTK — Kamloops volcanics.

LATE UPPER CRETACEOUS

uKc — Carmacks volcanics.

MID CRETACEOUS

mKs — South Fork volcanics 'cauldron subsidence and transtensional arc'.

LOWER AND MIDDLE JURASSIC

JI — Inklin(Laberge Group):Interbedded conglomerate,greywacke, siltstone,shale,limestone.Marine and non-marine.

JHA — Hall:Carbonaceous shale,siltstone,greywacke,conglomerate, Marine.

UPPER TRIASSIC - LOWER JURASSIC

TJN — Nicola:'Arc volcanics and sediments'.

UPPER TRIASSIC

TL — Lewes River(In part Cache Creek):Breccia,tuff,volcanic sandstone,siltstone and limestone,locally interbedded with radiolarian chert.Marine 'arc volcanics'.

TKU — Kutcho:Rhyolites,rhyodacites,silicic tuff,basalt,andesite, phyllite,greywacke and limestone.Marine 'arc volcanics' in Cache Creek.Terrane.

MISSISSIPIAN - UPPER TRIASSIC

MTc — Cache Creek:Mainly MORB-like tholeiitic to alkiline basalt (sub-green schist),serpentinized peridotite and dunite,tradhjemite and diabase,melange with blocks of Upper Nicola.Radiolarian ribbon chert,argillite volcanic sandstone and limestone.Marine(Oceanic volcanics and sediments and local accretionary prism melange).

UPPER PROTEROZOIC - PALEOZOIC

PTNK — Nisutlin:Cataclistic sediments and volcanics.

DEVONIAN - TRIASSIC

DTs — Slide Mountain:Oceanic marginal basin volcanics and sediments.

UPPER PROTEROZOIC - LOWER CAMBRIAN

PEN — Nisling:Metamorphosed 'passive continental margin' assemblage.

UPPER PROTEROZOIC

uPwc — Windermere:Mainly clastic 'continental margin' sediments.

STRATIGRAPHIC SYMBOLS

 — Geological contact.

 — Fault of unknown displacement.

 — Thrust fault.

LEGEND FOR FIG. No. 5

BUG Claims

Lithologies

The geology of the area mapped by W. Taylor and D. Shaw is illustrated in Figure 6. The dominant geological trend is north-northwest/south-southwest.

All units are structurally emplaced with vertical to subvertical, sharp tectonic contacts. An exception to this may be the contact between units 1b and 2, where sedimentary rocks and volcanic rocks appear to be intercalated along the western margins of the claims.

Unit 1a

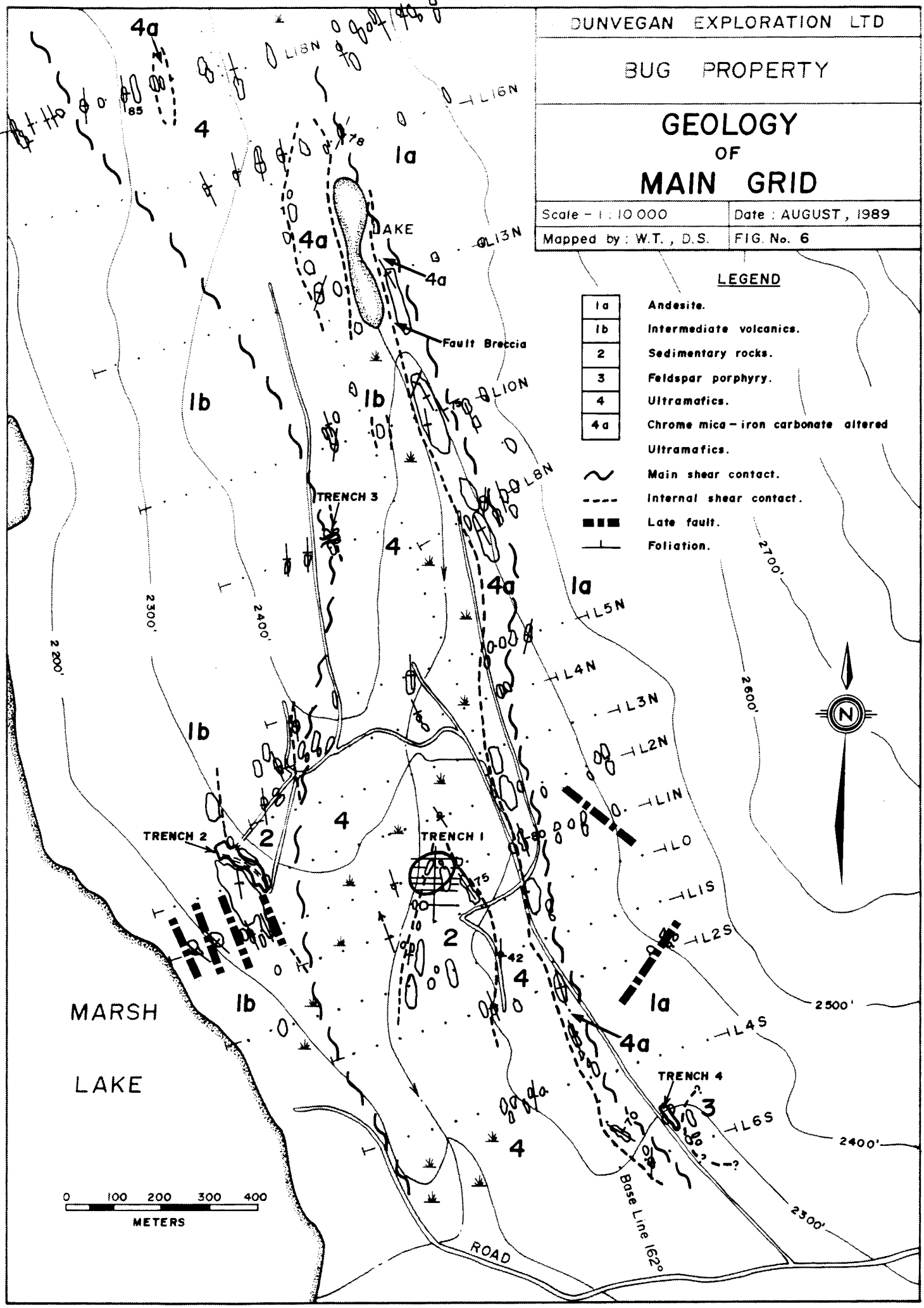
Rocks of unit 1a are comprised of grey, medium grained, andesitic tuffs and flows which contain abundant white plagioclase feldspar phenocrysts. In some areas the rock is sufficiently fine grained to be termed basalt. Outcrops occur in a series of prominent ridges striking NNW which appear to have been formed as a result of block faulting. These rocks are generally massive and lack strong foliation.

Unit 1b

Clastic volcanics of unit 1b, occur on the western margin of the property and appear to be more intermediate in composition, than unit 1a. These are mostly tuffaceous, medium to fine grained volcanics that have a green colour due to regional, greenschist facies metamorphism. Unaltered, grey, basaltic material outcrops in the middle of trench 2 (Figure 6) but this may be a later dyke. Unit 1b is defined by prominent ridges and although generally massive in texture, locally there is a strong foliation developed and banding with fine grained, dark grey, shaly material is common.

Unit 2

Unit 2 is composed of clastic rocks which outcrop in two known areas on the property; northeast of trench 2, and the area surrounding trench 1 (Figure 6). In both areas these rocks have structural contacts with the serpentinized peridotite. Unit 2 is predominantly sedimentary with minor intercalated clastic volcanics and is important in that it hosts the gold mineralization near shear contacts associated with quartz-iron carbonate alteration. Northeast of trench 2, graphitic shales, sandstones, grits, cherts, conglomerates, mudstones and minor limestone occur which become progressively sheared toward the contact with the ultramafic rock. At trench 1, the sedimentary rocks are bounded to the west and east by ultramafic rocks (Figure 6). Along the eastern boundary of trench 1, grits and shales exhibit graded bedding with younging to the east (Figure 8), whilst in the middle of the trench, conglomerates do not show the same degree of shearing as in the area northeast of trench 2, but are strongly brecciated and silicified with up to 5% pyrite (Figure 8). Iron carbonate, chrome mica rich rocks surrounding this brecciated conglomerate in trench 1, show strong shear banding and altered volcanic lenses intercalated with the sedimentary rocks often have gouge contacts (Figure 8). Such structures are important channels for the anomalous gold mineralization.


DUNVEGAN EXPLORATION LTD
BUG PROPERTY
GEOLOGY
OF
MAIN GRID
Scale - 1 : 10 000
Date : AUGUST, 1989
Mapped by : W.T., D.S.
FIG. No. 6
LEGEND
1a Andesite.
1b Intermediate volcanics.
2 Sedimentary rocks.
3 Feldspar porphyry.
4 Ultramafics.
4a Chrome mica - iron carbonate altered Ultramafics.
Main shear contact.
Internal shear contact.
Late fault.
Foliation.
TRENCH 1
TRENCH 2
TRENCH 3
TRENCH 4
Fault Breccia
MARSH LAKE
LAKE
ROAD
Base Line 162°
L16N
L15N
L13N
L11N
L8N
L5N
L4N
L3N
L2N
L1N
L0
L1S
L2S
L4S
L6S
2700'
2600'
2500'
2400'
2300'
2200'
0 100 200 300 400
METERS
N

Unit 3

Unit 3 is a medium to coarse grained, feldspar porphyry that outcrops to the northeast of trench 4 (Figure 6). The matrix is grey to buff in colour, and contains subhedral feldspar phenocrysts and irregular shaped quartz crystals. In places it appears tuffaceous and the spatial distribution of this unit is not clearly understood.

Unit 4

Unit 4 is dark green to black peridotite which is variably serpentinized, usually close to fault contacts. Weathered surfaces are orange-brown and pyroxene crystals show a positive relief. In places silica sweats have been exsolved along fractures, giving the appearance of quartz veins.

Alteration

The distinctive alteration of the ultramafic units is a very noticable feature on the BUG property. Unit 4A is a yellowish-green, schistose rock composed of quartz, dolomite, talc, limonite and chrome mica (Figure 6). This type of rock is formed by carbon dioxide rich fluids passing through ultramafic rocks and the term 'Listwaenite', is used by Russian geologists to describe similar carbonate rocks which occur along the borders of Alpine-type ultramafic massifs (Buisson and Leblanc, 1985). In this report, these rocks have been called chrome mica, iron carbonate altered ultramafics. The alteration zone is up to 50 metres wide and is marked by prominent orange weathered cliffs, continuous over a distance of 2.4 kilometres from 6+00S to 18+00N. This strong alteration feature is open to the south and north of the grid (Figure 6).

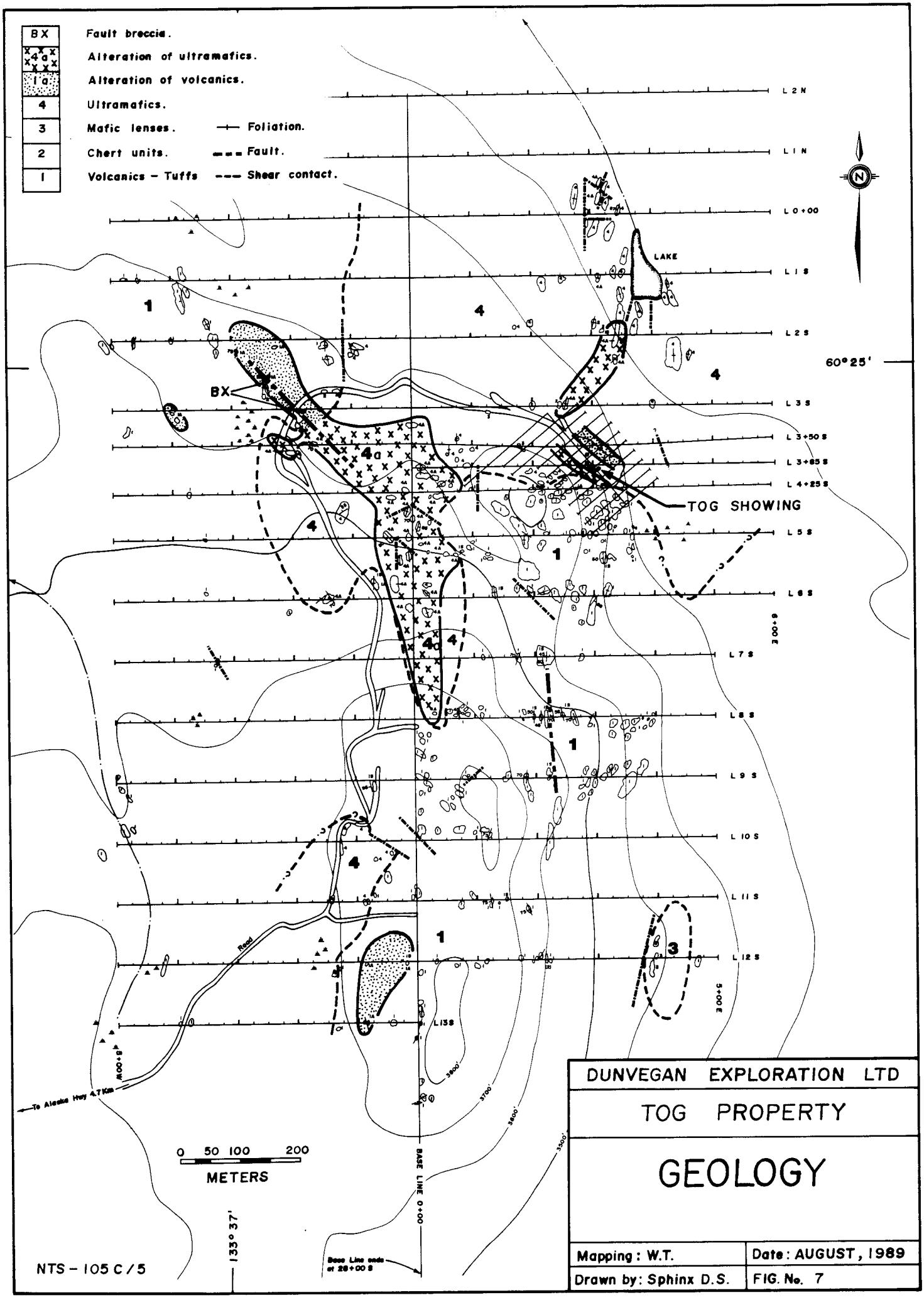
A fault breccia borders the eastern edge of the alteration zone, 100 metres east of the baseline near 13+00N, here, light grey, sub-angular fragments occur within a quartz-carbonate matrix, the quartz is often vuggy in form. Chalcedonic textures and crosscutting veinlets of silica may represent a late stage silicification of the altered ultramafics.

White talcose alteration often occurs between peridotites (unit 4) and chrome mica, iron carbonate altered ultramafics (unit 4A) where silica alteration is depleted.

The alteration on either side of the brecciated conglomerate and volcanic lenses in trench 1, suggests shearing has mobilized much of the silica, as chrome mica rich, pyritic rocks are strongly foliated in a north-south direction with lenses of quartz concordent to the fabric. The presence of pyrite within this zone suggests that gold mineralization is nearby, and at Zone B (Figure 6), anomalous gold mineralization is found within rocks of this nature.

TOG Claims

The geology of the TOG property is illustrated in Figure 7. The rock units are divided into four main categories and two main alteration categories. All lithological contacts are thought to be tectonic, however, an exception to this is where cherts (unit 2) may be intercalated with basaltic rocks (unit 1).


BX
Fault breccia.
4a
Alteration of ultramafics.
1a
Alteration of volcanics.
4
Ultramafics.
3
Mafic lenses.
Foliation.
2
Chert units.
Fault.
1
Volcanics – Tuffs
Shear contact.
L 2 N
L 1 N
L 0+00
L 1 S
L 2 S
L 3 S
L 3+50 S
L 3+85 S
L 4+25 S
L 5 S
L 6 S
L 7 S
L 8 S
L 9 S
L 10 S
L 11 S
L 12 S
L 13 S
LAKE
BX
TOG SHOWING
60°25'
133°37'
Roads
To Alaska Hwy 4.7 Km
0 50 100 200
METERS
BASE LINE 0+00
Base Line ends at 28+00 S
NTS – 105 C/5
DUNVEGAN EXPLORATION LTD
TOG PROPERTY
GEOLOGY
Mapping : W.T.
Date : AUGUST, 1989
Drawn by: Sphinx D.S.
FIG. No. 7

Unit 1

Most of the area is overlain by light green (greenschist facies), fine grained, volcanics. Both tuffs and flows are recognized, with remnant white feldspar crystals evident in the medium grained volcanics. These rocks are generally massive with a well developed conjugate joint fracture system, although in some areas strong foliation has occured, eg. at 8+00S 3+00E, chloritic and talcose foliation is well developed and quartz occurs as boudins and sweats, with elongation parallel to this foliation.

Unit 2

Black, banded cherts occur in localized areas, eg. at 2+00S 3+00E, where a chert subcrop is strongly folded. Elsewhere the cherts often occur as lensoid ribbons or boudins, within volcanics.

Unit 3

Unit 3 consists of mafic lenses of gabbro, diorite and pyroxenite, exhibiting chloritic alteration. Where hornblende crystals can be distinguished, the rock appears dioritic. At 3+00S 1+25E a dioritic rock is strongly pyritized (with cubes of pyrite up to 4mm).

Unit 4

Peridotites and related ultramafics cover the central portion of the grid and are in close proximity to the main showing (Figure 6). Coarse, crystalline, peridotites occur near the small lake at 1+00S 4+00E where large pyroxene crystals (averaging 0.5cm in diameter) that weather to a brown colour, are contained within a black, fine-grained, groundmass. Adjacent to tectonic contacts, the peridotites are strongly serpentinized, and foliated.

Alteration

The TOG property displays a strong lithological alteration halo (Figure 7) as represented by two alteration types:

(a) 1A - where volcanic rocks and cherts have been carbonatized and show subsequent silica flooding, as seen in the footwall of the main showing where volcanic tuffs have been carbonatized to graphite across a surface width of at least 85 metres and unknown strike length.

(b) 4A - the more extensive chrome mica rich, carbonatization of the ultramafic rocks, that has occured with silicification and sulphide mineralization. This is seen in the hanging wall of the main showing, across a surface width of 10 metres and of undetermined strike length.

Similar alteration zones can be traced for several hundreds of metres and have a width of at least 150 metres (Figure 7). The outline of these zones is less well defined than on the BUG property, because of the more complex structural setting, and the lack of outcrop on much of the grid. In addition a northwest striking, silicified fault breccia zone, between altered serpentinites to the south, and altered volcanics and cherts to the north, hosts angular chert and volcanic fragments within a silica flooded matrix. This zone can be traced along strike for 75 metres, crosses the road at 3+00S 2+00W and is parallel to the northwest trending structure hosting the gold mineralization at the showing.

MINERALIZATION

Mineralization on both the BUG and TOG properties occurs adjacent to bounding structures associated with tectonically emplaced ultramafic bodies that have been carbonatized and locally enriched in silica. The mineralized veins appear to be strongly structurally controlled by faults and/or shears (S.B. Ballantyne, written communication, August 18, 1989 in appendix).

BUG Property

The mineralization on the BUG property is hosted by a wedge of intercalated sediments and volcanics within the main shear structure (Figure 6). It is these rocks exposed in trench 1, which are silica rich and are consistantly anomalous in gold over a surface width in excess of 11 metres (Figure 8). Altered volcanic and shear banded, chrome mica-iron carbonate material is weakly pyritic and also anomalous. The highest gold anomalies occur within a silica flooded, brecciated conglomerate which returned assay values up to 1030 ppb gold, in contrast to a gold background level of less than 20 ppb on samples taken from the three other trenches on the property (Figure 6, Appendix 4). Where the gold values are found to be anomalous it is generally the case that arsenic and silver values are also anomalous (Table 2 and 3). Visible sulphides, other than pyrite, are rare.

Three selective grab samples of pyritic, silica rich, iron carbonate altered, ultramafic rocks from a subcrop location; Zone B (Figure 6), 50 meters along strike and southwest of trench 1, all returned anomalous gold values of up to 810 ppb (Table 3). A northeasterly trending lineament that lies parallel to, and in the vicinity of the two zones was detailed by geophysical (VLF) surveying (Figure 12).

TOG Property

A zone of sheared, massive quartz veining and quartz-carbonate alteration occurs at the faulted contact between a sequence of volcanic tuffs and cherts (footwall) with ultramafic rocks (hangingwall). The zone strikes northwest/southeast and dips towards the southwest at 45 degrees; in the area of the showing it attains a width of 8 metres with pervasive pyritic silicification extending at least another 2 metres into the hanging wall to the southwest. The massive quartz vein is structurally below the zone of quartz-carbonate chrome mica alteration and has been segmented by numeous through-going shear fractures, the majority of which are graphitic. These fractures are the structural host for coarse, visible gold mineralization in association with malachite, azurite, pyrite, galena and sphalerite.

Visible gold was recognized in thirteen samples over a strike length of 26 metres and across a true width of 5 metres. Assay values up to 41.482 oz./ton gold were recorded from selected grab samples and up to 2.119 oz./ton gold over 0.46 metres from chip samples (Figure 9, Table 4). It should be noted that many of the samples that returned high values of gold were also highly anomalous with regard to silver content, with values greater than 50 ppm (beyond detection limit of assaying equipment). Whilst individual widths over which the visible gold mineralization occurs is not large, there is a consistency to the occurrence of gold along the exposed strike length of the structure (Figure 9). In addition the visible gold mineralization is not limited to one shear fracture within the main zone; there are in excess of 8 individual mineralized graphitic, shear fractures over a true width of 5 metres (Figure

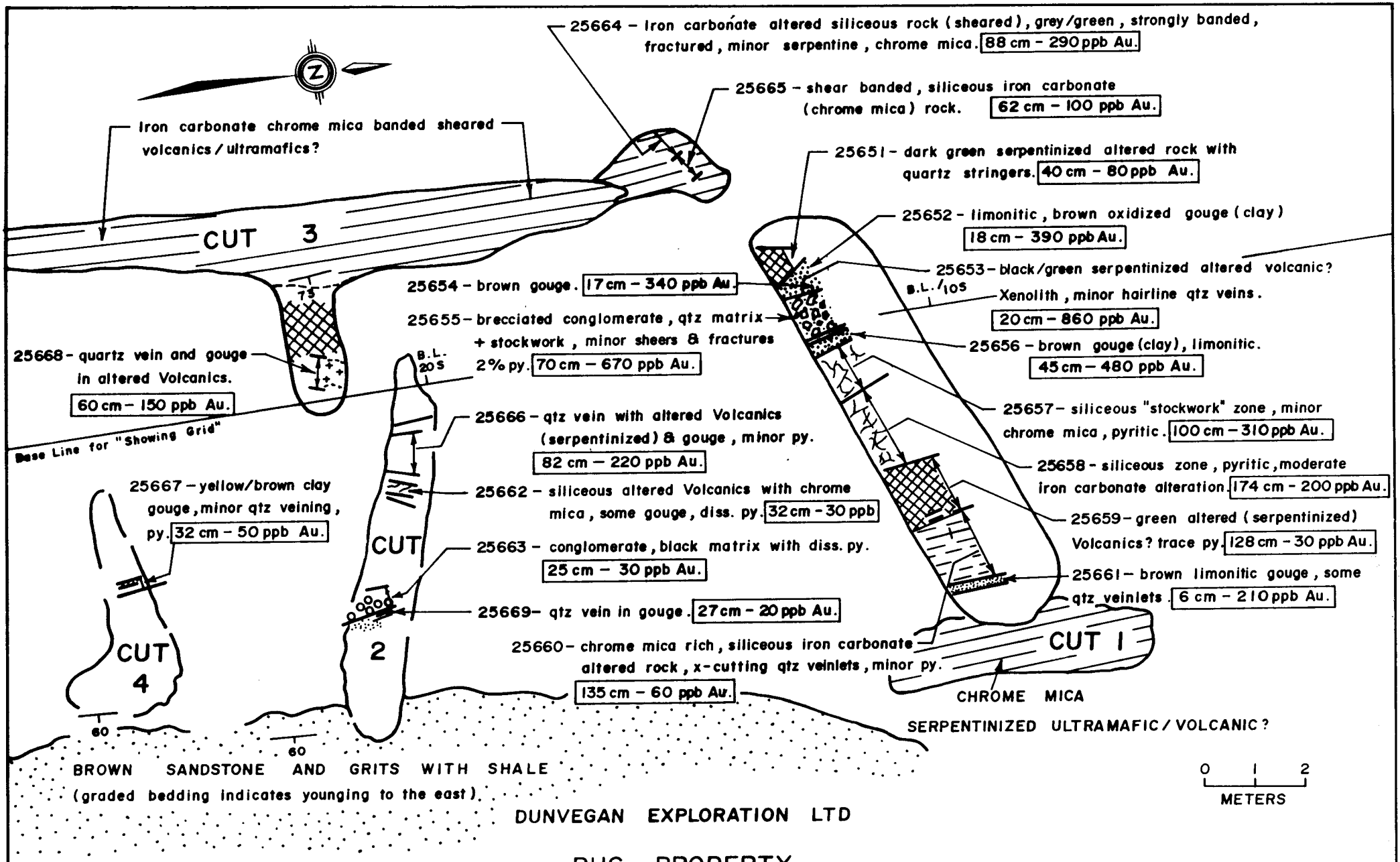

25664 - Iron carbonate altered siliceous rock (sheared), grey/green, strongly banded, fractured, minor serpentine, chrome mica. 88 cm - 290 ppb Au.
25665 - shear banded, siliceous iron carbonate (chrome mica) rock. 62 cm - 100 ppb Au.
Iron carbonate chrome mica banded sheared volcanics / ultramafics?
25651 - dark green serpentinized altered rock with quartz stringers. 40 cm - 80 ppb Au.
25652 - limonitic, brown oxidized gouge (clay) 18 cm - 390 ppb Au.
CUT 3
25654 - brown gouge. 17 cm - 340 ppb Au.
25653 - black/green serpentinized altered volcanic? Xenolith, minor hairline qtz veins. 20 cm - 860 ppb Au.
B.L. /10S
25655 - brecciated conglomerate, qtz matrix + stockwork, minor sheers & fractures 2% py. 70 cm - 670 ppb Au.
25656 - brown gouge (clay), limonitic. 45 cm - 480 ppb Au.
25668 - quartz vein and gouge in altered Volcanics. 60 cm - 150 ppb Au.
B.L. 20S
25657 - siliceous "stockwork" zone, minor chrome mica, pyritic. 100 cm - 310 ppb Au.
Base Line for "Showing Grid"
25666 - qtz vein with altered Volcanics (serpentinized) & gouge, minor py. 82 cm - 220 ppb Au.
25658 - siliceous zone, pyritic, moderate iron carbonate alteration. 174 cm - 200 ppb Au.
25667 - yellow/brown clay gouge, minor qtz veining, py. 32 cm - 50 ppb Au.
25662 - siliceous altered Volcanics with chrome mica, some gouge, diss. py. 32 cm - 30 ppb
25659 - green altered (serpentinized) Volcanics? trace py. 128 cm - 30 ppb Au.
CUT
25663 - conglomerate, black matrix with diss. py. 25 cm - 30 ppb Au.
25661 - brown limonitic gouge, some qtz veinlets. 6 cm - 210 ppb Au.
25669 - qtz vein in gouge. 27 cm - 20 ppb Au.
CUT 4
2
CUT 1
25660 - chrome mica rich, siliceous iron carbonate altered rock, x-cutting qtz veinlets, minor py. 135 cm - 60 ppb Au.
CHROME MICA
SERPENTINIZED ULTRAMAFIC / VOLCANIC?
60
60
BROWN SANDSTONE AND GRITS WITH SHALE
(graded bedding indicates younging to the east).
0 1 2
METERS
DUNVEGAN EXPLORATION LTD
BUG PROPERTY
SYSTEMATIC CHIP SAMPLING OF TRENCH 1 (SHOWING)
Sampling by: W.T., M.M.
Date: AUGUST, 1989
Scale - 1 : 100
Drawn by: Sphinx Drafting Services
FIG. 8

TABLE 2
ASSAY RESULTS AND SAMPLE DESCRIPTIONS BUG PROPERTY TRENCH #1

Date	Location	Sample No.	Width	Description	Au (ppb) unless indicated in oz/ST	Remarks
3/7/89	Cut 1	25651	40cm chip	Serpentinized, dark green volcanic/ultramafic. Quartz stringers.	80	1042 ppm As
3/7/89	Cut 1	25652	18cm chip	Limonitic brown oxidized clay rich gouge.	390	0.6 ppm Ag 781 ppm As
3/7/89	Cut 1	25653	20cm chip	Volcanic xenolith, serpentinized black/green colour. Hairline quartz veins.	860	1.1 ppm Ag 452 ppm As 115 ppm Zn
3/7/89	Cut 1	25654	17cm chip	Brown gouge, clay rich.	340	0.6 ppm Ag 374 ppm As
3/7/89	Cut 1	25655	70cm chip	Brecciated conglomerate quartz matrix and stockwork. Minor shears and fractures. 2% py.	670	1.2 ppm Ag 594 ppm As
3/7/89	Cut 1	25656	45cm chip	Tan/brown gouge, limontic/clay.	480	
3/7/89	Cut 1	25657	100cm chip	Siliceous 'stockwork' zone. Minor chrome mica, py.	310	1.1 ppm Ag
3/7/89	Cut 1	25658	174cm chip	Siliceous zone, moderate iron carbonate alteration, py.	200	0.6 ppm Ag
3/7/89	Cut 1	25659	128cm chip	Green, altered (serpentinized) volcanic, trace py.	30	0.4 ppm Ag 1188 ppm As
3/7/89	Cut 1	25660	135cm chip	Chrome mica rich, siliceous iron carbonate altered rock. X-cutting quartz veinlets, minor py.	60	1.1 ppm Ag 1005 ppm As
3/7/89	Cut 1	25661	6cm chip	Brown limonitic gouge. Some quartz veinlets.	210	0.6 ppm Ag 1046 ppm As
3/7/89	Cut 2	25662	32cm chip	Siliceous altered volcanic with chrome mica. Some gouge. Diss py.	30	1.1 ppm Ag 724 ppm As
3/7/89	Cut 2	25663	25cm chip	Conglomerate. Black matrix with diss py.	30	0.6 ppm Ag
3/7/89	West end of Cut 1	25664	88cm chip	Iron carbonate altered siliceous volcanic/ultramafic. Sheared and fractured. Minor serpentine, chrome-mica.	290	1.2 ppm Ag
3/7/89	West end of Cut 1	25665	62cm chip	Shear-banded, siliceous iron carbonate (chrome mica). Volcanic?	100	2.6 ppm Ag 1062 ppm As
3/7/89	West end of Cut 2	25666	82cm chip	Quartz vein with altered volcanic (serpentinized) and gouge. Minor py.	220	1.1 ppm Ag
3/7/89	Cut 4	25667	32cm chip	Gouge, yellow/brown colour. Clay rich, minor quartz veining, py.	50	
3/7/89	Cut 3	25668	60cm chip	Quartz vein and gouge in altered volcanic.	150	
3/7/89	Cut 2 east of 25663	25669	27cm chip	Quartz vein in gouge.	20	
3/7/89		25680	Blasted Float fist size	Brecciated conglomerate. Black matrix, volcanic clasts (intermediate compostion). Cross-cutting quartz veinlets. Abundant py along fractures and coating, quartz flooded fragments.	1030	1.2 ppm Ag 912 ppm As
3/7/89		25681	Blasted Float	Same as 25680	0.010 oz/ST.	
3/7/89		25682	Blasted Float	Black volcanic breccia. Siliceous rounded volcanic/quartzile fragments abundant py.	580	1.4 ppm Ag 667 ppm As

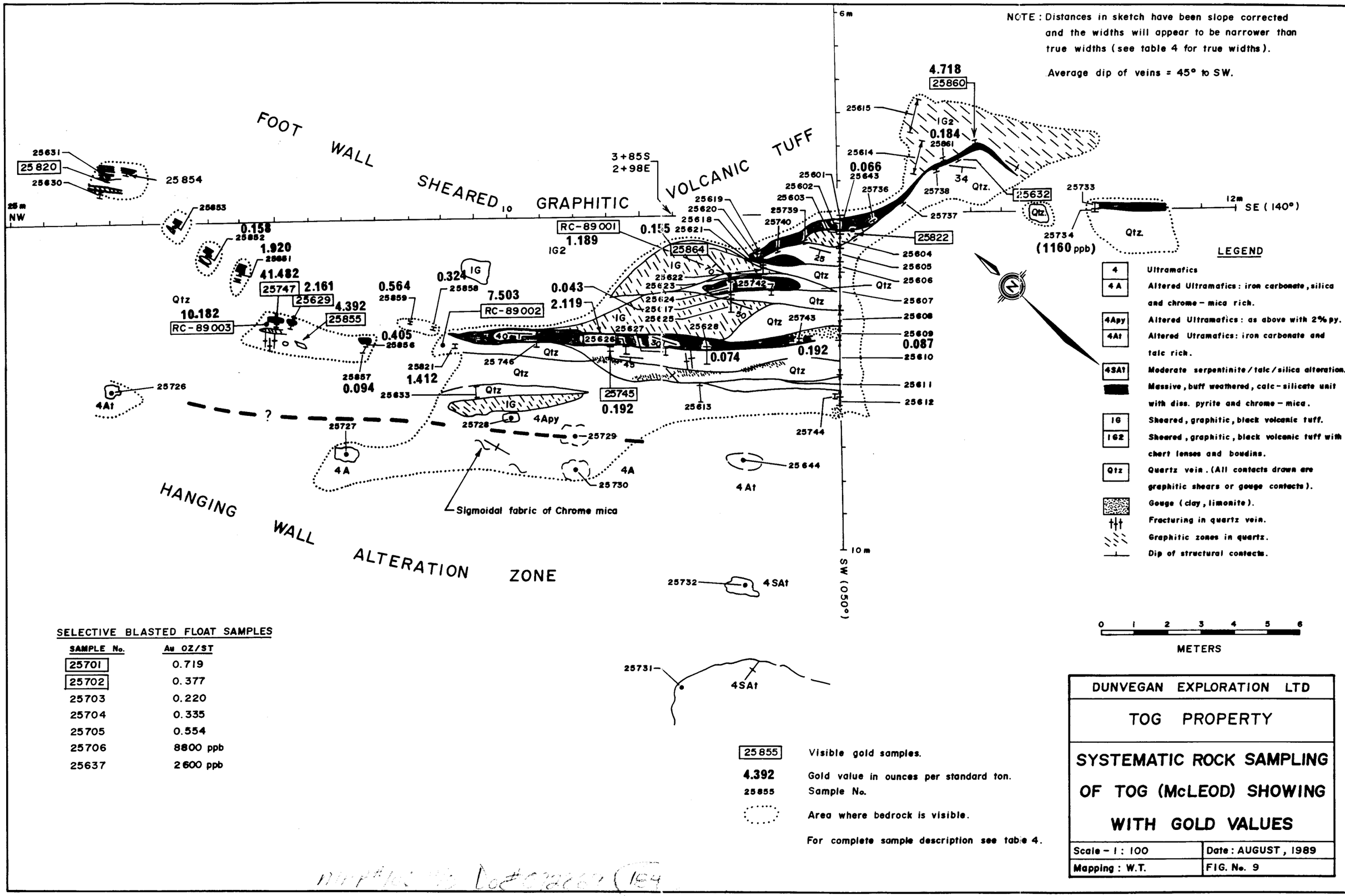
TABLE 2
ASSAY RESULTS AND SAMPLE DESCRIPTIONS BUG PROPERTY TRENCH #1 (Cont'd)

Date	Location	Sample No.	Width	Description	Au (ppb)	Remarks
3/7/89		25683	Blasted Float	Quartz vein - white/grey colour. Chlorite/limonite/ /clay alteration. Volcanic remnants. Fine diss py.	0.005 oz/ST.	
3/7/89		25684	Blasted Float	Siliceous, black/volcanic/ ultramafic. Chrome mica & epidote alteration. Black/ grey/green colour, py.	60	818 ppm As
3/7/89		25685	Blasted Float	Brecciated quartz conglomerate. clasts up to 4cm. Matrix poor (black) with abundant py.	590	1.2 ppm Ag 558 ppm As
3/7/89		25686	Blasted Float	Siliceous, clay altered volcanic - grey/yellow colour. Diss py.	180	
9/7/89		25693	Blasted Float 75cm chip taken 90° to elongation of fragments.	Brecciated conglomerate, black matrix, volcanic clasts (intermediate composition). Very siliceous, quartz veinlets. Abundant py.	0.02 oz/ST.	
9/7/89	28W 60S (small grid)	25694	45cm chip (Subcrop)	Brecciated altered ultramafic. Chrome mica and chlorite alteration. Silicified with py.	100	530 ppm As
3/8/89		25862	Blasted Float	Brecciated conglomerate. Dark green matrix. Light grey siliceous fragments, slightly serpentinized. Quartz veinlets. Diss py mostly in matrix.	740	
3/8/89		25863	Blasted Float	Same as 25863 with more silica veinlets. Crosscutting the fabric.	940	

TABLE 3
ASSAY RESULTS AND SAMPLE DESCRIPTIONS BUG PROPERTY ZONE B

#4

Date	Location	Sample No.	Width	Description	Au (ppb)	Remarks
9/7/89	26W 60S Zone B	25695	Selective Grab (Subcrop)	Quartz flooded, grey/white/tan coloured altered ultramafic. Chrome mica/epidote py.	810	225 ppm As
9/7/89	28W 56S Zone B	25696	Selective Grab (Subcrop)	Silica rich, altered ultramafic. Chrome mica. Minor py.	100	269 ppm As
9/7/89	32W 60S Zone B	25697	Selective Grab (Subcrop)	Silica rich altered ultramafic, strongly foliated. Chrome mica/chlorite & minor py.	370	571 ppm As



SELECTIVE BLASTED FLOAT SAMPLES

SAMPLE No.	Au OZ/ST
25701	0.719
25702	0.377
25703	0.220
25704	0.335
25705	0.554
25706	8800 ppb
25637	2600 ppb

25855 Visible gold samples.

4.392 Gold value in ounces per standard ton.

25855 Sample No.

Area where bedrock is visible.

For complete sample description see table 4.

DUNVEGAN EXPLORATION LTD

TOG PROPERTY

SYSTEMATIC ROCK SAMPLING OF TOG (McLEOD) SHOWING WITH GOLD VALUES

Scale - 1 : 100	Date : AUGUST, 1989
Mapping : W.T.	FIG. No. 9

TABLE 4
ASSAY RESULTS AND SAMPLE DESCRIPTIONS TOG PROPERTY SHOWING

Date	Location	Sample No.	Width	Description	Au (oz/ST) unless indicated in ppb	Remarks
31/7/89		25701	Blasted Float	Quartz vein, graphitic, vuggy, Dogtooth quartz crystal intergrowth. Gal, mal, az, cpy.	0.719	VISIBLE GOLD 49.1 ppm Ag 3447 ppm Cu >20,000 ppm Pb 5610 ppm Zn 1512 ppm Sb 434 ppm Cd
31/7/89		25702	Blasted Float	Quartz vein, graphitic, Dogtooth quartz crystal intergrowth. Gal, mal, az, cpy. Reassayed	10000 ppb 0.377	VISIBLE GOLD >50.0 ppm Ag 88.1 ppm Cd 4031 ppm Cu 5788 ppm Pb 10548 ppm Zn 1524 ppm Sb
31/7/89		25703	Blasted Float	Quartz vein, graphitic, cpy, gal, py, mal, az.	0.220	50 ppm Ag 1349 ppm Cu 687 ppm Pb 950 ppm Zn
31/7/89		25704	Blasted Float	Same as 25703. Reassayed	10,000 ppb 0.335	>50.0 ppm Ag 24.2 ppm Cd 1670 ppm Cu 544 ppm Pb 1696 ppm Zn 190 ppm Sb
31/7/89		25705	Blasted Float	Quartz vein with 2-5% mal, az, 1% gal, cpy, py.	0.554	>50 ppm Ag 3547 ppm Cu >20,000 ppm Pb 1615 ppm Zn 1554 ppm Sb 32.2 ppm Cd
31/7/89		25706	Blasted Float	sames as 25705	8800 ppb	>50.0 ppm Ag 259 ppm As 38.9 ppm Cd 4351 ppm Cu 12964 ppm Pb 1767 ppm Zn 1221 ppm Sb
31/7/89		25707	Blasted Float	Bull Quartz. Some Limonite, trace py, cpy.	0.005	3.4 ppm Ag 127 ppm Cu 430 ppm Pb 726 ppm Zn
31/7/89		25708	Blasted Float	Same as 25707.	30 ppb	
1/8/89	10SW 33NW	25725	Grab	Siliceous chrome mica iron carbonate, diss py.	20 ppb	
1/8/89	5SW 22NW	25726	Grab	Sheared chrome mica iron carbonate rock. Serpentine, talc-epidote alteration.	n.d.	
1/8/89	7SW 15NW	25727	Grab	Iron carbonate altered ultramafic, talc, quartz banding, minor chrome mica. Light green colour.	n.d.	
1/8/89	6.5SW 10NW	25728	Grab	Very siliceous chrome mica rich iron carbonate. Diss py. Light green colour.	n.d.	
1/8/89	6.5SW 8NW	25729	Grab	Siliceous chrome mica rich iron carbonate, grey/green colour. Diss py.	n.d.	
1/8/89	7.5SW 8NW	25730	Grab	Siliceous iron carbonate, some foliation.	n.d.	
1/8/89	14SW 5NW	25731	Grab	Serpentinite above altered hanging wall.	20 ppb	
1/8/89	11SW 3NW	25732	Grab	Sheared serpentinite some talc.	n.d.	

TABLE 4
ASSAY RESULTS AND SAMPLE DESCRIPTIONS TOG PROPERTY SHOWING (Cont'd)

Date	Location	Sample No.	Width	Description	Au (oz/ST)	Remarks
1/8/89	B.L. 8SE	25733	Grab (30 cm)	Massive volcanic (footwall of Quartz veins). Fractured with quartz veinlets, cpy, py in fractures. diss py up to 5%.	40 ppb	
1/8/89	B.L. 8SE	25734	Selective Grab	Quartz vein with limonitic weathered out py. (H.W. of 25733)	1160 ppb	6.8 ppm Ag 1511 ppm Pb 580 ppm Zn 210 ppm Cu
1/8/89	10.5SW 14-5SE	25735	Grab	Serpentinized ultramafic.	n.d.	
2/8/89	B.L. 1.25SE	25736	Chip 11 cm	Quartz vein, dogtooth crystal intergrowth. Gal, trace mal.	0.120	28.7 ppm Ag 395 ppm cu 1529 ppm Pb 476 ppm Zn
2/8/89	0.75NE 2SE (1m ESE of 25736)	25737	7cm chip	Quartz vein. Same as 27536 but more massive and more mal.	0.033	31.5 ppm Ag 283 ppm Cu 1468 ppm Pb 1260 ppm Zn
2/8/89	1.2NE 3SE	25738	5cm chip	Quartz vein, py, gal, sph. H.W. of massive cal silicate horizon.	0.005	
2/8/89	1NW 1SW	25739	13cm chip	Quartz vein dogtooth crystal intergrowth. Graphitic banding. Gal, mal, az, py, lim.	0.005	
2/8/89	1SW 1.9NW	25740	6cm chip	Quartz vein in F.W. of massive calc silicate abundant gal, some py minor mal.	0.006	
2/8/89	45cm ESE of 25616	25741	27cm chip	Quartz vein graphitic bands. Py, mal in-between 2 lenses of massive volcanic.	0.009	
2/8/89	30 cm SW of 25741	25742	14cm chip	Quartz vein graphitic bands. Very coarse gal, py, mal. cpy.	0.005	
2/8/89	3.75SW 1.3NW	25743	16cm chip	Quartz vein - fractured vuggy. Coarse gal, mal, py.	0.192	> 50 ppm Ag 1271 ppm Cu > 20,000 ppm Pb 183 ppm Sb 939 ppm Zn
2/8/89	B.L. 5.3 SW	25744	Selective grab	Quartz vein near iron carbonate hanging wall. Lim, py?	0.005	
2/8/89	40cm WNW of 25626	25745	18cm chip	Quartz vein, graphitic bands. Au, mal, py, gal, cpy. Massive calc silicate in F.W.	n.d.	COARSE, VISIBLE GOLD. 9.8 ppm Ag 228 ppm Cu 1586 ppm Pb 1332 ppm Zn
2/8/89	9NW 3.75SW (220cm NW of 25745)	25746	20cm chip	Quartz vein abundant gal. some py.	0.005	3.5 ppm Ag 61.8 ppm Cd 773 ppm Pb 7655 ppm Zn 808 ppm Sb
2/8/89	17NW 3SW (0.5m NNW of 25629)	25747	Selective grab of equi-dimensional block 8cm wide x 8cm x 8cm.	Quartz vein with graphitic banding sheared volcanics in H.W., pyritic calc silicate in F.W.	41.482	COARSE, VISIBLE GOLD. > 50 ppm Ag 7128 ppm Pb 3938 ppm Zn
2/8/89		25749	Blasted Float	Highly siliceous - serpentinized rock. Black/light green colour. Large py cubes.	n.d.	

TABLE 4
ASSAY RESULTS AND SAMPLE DESCRIPTIONS TOG PROPERTY SHOWING (Cont'd)

Date	Location	Sample No.	Width	Description	Au (oz/ST)	Remarks
13/7/89	B.L. 0.10SW Line 0	25601	10cm chip	Quartz vein. Grey colour, with py.	0.005	6.1 ppm Ag 259 ppm Cu 682 ppm Pb 377 ppm Zn
13/7/89	0.20 0.48SW Line 0	25602	28cm chip	Massive calc silicate unit.	0.005	1.5 ppm Ag 266 ppm As 139 ppm Cu 185 ppm Pb 433 ppm Zn
3/7/89	0.50 0.58SW Line 0	25603	8cm chip	Quartz vein stockwork of veinlets py minor az, mal.	0.001	
3/7/89	0.58 1.00SW Line 0	25604	36cm chip	Black sheared volcanics/gouge & quartz veinlets striking NNW.	0.005	1.6 ppm Ag 240 ppm As 242 ppm Zn
3/7/89	1.00 1.40SW Line 0	25605	70cm chip	Quartz vein,minor graphitic bands and lenses.	0.005	
13/7/89	1.40 1.80SW Line 0	25606	36cm chip	Quartz vein - grey stock - work of veinlets with py.	0.005	
13/7/89	1.80 2.60SW Line 0	25607	120cm chip	Quartz vein. Fractured graphitic banding across 25cm of sample.	0.005	
13/7/89	2.60 3.45 Line 0	25608	100cm chip	Quartz vein (bull).	0.006	
13/7/89	3.45 3.60 Line 0	25609	29cm chip	Orange sandy gouge, some black volcanics.	0.087	3.2 ppm Ag 108 ppm Cu 427 ppm Pb 10.1 ppm Cd 2022 ppm Zn
13/7/89	3.60 4.75SW Line 0	25610	125cm chip	Quartz vein. Fractured cemented gouge. py.	0.008	1.2 ppm Ag 111 ppm Pb 141 ppm Zn
13/7/89	4.75 5.43SW Line 0	25611	67cm chip	Quartz vein. Fractured. Some graphitic banding.	0.005	
13/7/89	5.43 5.65SW Line 0	25612	50cm chip	Green, orange, yellow sandy gouge.	0.005	
13/7/89	4NW 5.5SW	25613	160cm chip	Highly siliceous iron carbonate altered ultramafic with chrome mica. Diss py.	0.005	
13/7/89	2m East of B.L. and Line 0	25614	116cm chip	Sheared graphitic black volcanic - quartz veinlets py.	0.013	
13/7/89	East of 25614 (in contact with)	25615	130cm chip	Sheared graphitic black volcanic. Quartz veinlets with py.	0.005	5.5 ppm Ag 126 ppm Cu 647 ppm Pb 291 ppm As 417 ppm Zn
13/7/89	2SW 2NW	25616	10cm chip	Quartz vein with graphitic banding. Au, py, az, mal. Sinuous vein with massive calc silicate in F.W. and sheared volcanic in H.W.	0.028	VISIBLE GOLD. 2.2 ppm Ag 2271 ppm Zn 309 ppm Pb 15.1 ppb Cd
		25864		Reassayed	0.155	
15/7/89	1m west of 25616	25617	20cm chip	Quartz vein. Az, mal, py, gal. Sheared volcanics in H.W. massive calc silicate in F.W.	0.043	25.9 ppm Ag 410 ppm Cu 3396 ppm Pb 405 ppm Zn
15/7/89	0.5 NE of 25616	25618	26cm chip	Quartz vein, near sheared volcanics, some yellow gouge Minor py.	0.01	17.5 ppm Ag 238 ppm As 560 ppm Pb 658 ppm Zn 171 ppm Cu

TABLE 4
ASSAY RESULTS AND SAMPLE DESCRIPTIONS TOG PROPERTY SHOWING (Cont'd)

Date	Location	Sample No.	Width	Description	Au (oz/ST)	Remarks
15/7/89	2.5NW 1.05SW	25619	9cm chip	Quartz vein. Py, gal, cpy, sph. Dip 35°SW	0.005	10.8 ppm Ag 17.8 ppm Cd 1617 ppm Pb 3520 ppm Zn
15/7/89	Between 25618 and 25619	25620	25cm chip	Massive calc silicate elongate mafic crystals, epidote bleached. Diss py.	0.005	0.8 ppm Ag 136 ppm Pb 889 ppm Zn 254 ppm As
15/7/89	Between 25616 and 25618	25621	20cm chip	Massive calc silicate unit micro veinlets of quartz in fractures. py up to 5%.	0.01	1.6 ppm Ag 295 ppm As 166 ppm Pb 653 ppm Zn
15/7/89	Hanging wall above 25616	25622	22cm chip	Hanging wall, black, sheared, graphitic volcanics. Yellow sulphur staining.	0.005	1.3 ppm Ag 210 ppm Pb 460 ppm Zn
15/7/89	Hanging wall above 25622	25623	6cm chip	Quartz vein. Gal, py. Massive calc silicate in H.W. Sheared volcanics in F.W.	0.006	6.8 ppm Ag 1034 ppm Pb 162 ppm Zn
15/7/89	Footwall of 25617	25624	20cm chip	Iron carbonate altered ultramafic, silica flooded. Abundant py.	0.031	19.2 ppm Ag 600 ppm Cu 3339 ppm Pb 1368 ppm Zn
15/7/89	3NW 3SW	25625	100cm chip	Sheared black volcanics (H.W. of vein) Minor quartz veinlets with minor py.	0.005	0.9 ppm Ag 193 ppm Zn
15/7/89	7NW 4SW	25626	46cm chip	Quartz vein. Gal, py, mal, az. Sulphides more enriched near massive calc silicate F.W.	2.119	VISIBLE GOLD. 38.9 ppm Ag 18.6 ppm Cd 998 ppm Cu 5983 ppm Pb 1837 ppm Zn
15/7/89	2m SE OF 25626	25627	23cm chip	Quartz vein. Mal, az, minor py. Massive calc silicate in F.W. bull quartz in H.W.	0.076	14.9 ppm Ag 523 ppm Cu 2326 ppm Pb 2333 ppm Zn
15/7/89	160cm SE from 25627	25628	60cm chip	Quartz vein. Fractured and powdery. Mal and az. Massive calc silicate in F.W., gouge and bull quartz in H.W.	0.074	3.7 ppm Ag 365 ppm Pb 244 ppm Zn
15/7/89	16NW 3SW	25629	20cm chip	Quartz vein. Au, cpy, py, az, mal. Massive calc silicate footwall.	2.161	VISIBLE GOLD. 24.5 ppm Ag 421 ppm Cu 8004 ppm Pb 5496 ppm Zn 29.9 ppm Cd
17/7/89	22NW 1.1NE	25630	27cm chip	Quartz vein, graphitic. Mal, az, py, cpy bands. Massive calc silicate footwall.	0.011	0.7 ppm Ag 177 ppm Pb 115 ppm Zn
17/7/89	22NW 1.5NE	25631	38cm chip	Quartz vein with some gouge some massive calc silicate. Minor py, mal?	0.006	0.8 ppm Ag 711 ppm Ni 101 ppm Zn
17/7/89	3.7SE 2NE	25632	10cm chip	Quartz vein. Mal, az, py, gal. Massive calc silicate in F.W.	0.006	VISIBLE GOLD. 26.9 ppm Ag 136 ppm Cu 3609 ppm Pb
17/7/89	5.5SW 11NW	25633	55cm chip	Quartz vein, grey/white. Limonitic clusters.	0.005	

TABLE 4
ASSAY RESULTS AND SAMPLE DESCRIPTIONS TOG PROPERTY SHOWING (Cont'd)

Date	Location	Sample No.	Width	Description	Au (oz/ST)	Remarks
30/7/89		25637	Blasted Float	Quartz vein - fractured graphitic banding. Py, mal, az, tetra?	2600 ppb	> 50.0 ppm Ag 694 ppm Cu 189 ppm Zn
30/7/89		25638	Blasted Float	Very siliceous iron carbonate chrome mica altered ultramafic 'Stockwork' of quartz veinlets. Py.	6 ppb	1.3 Ag 1173 As
30/7/89		25639	Blasted Float	Same as 25638	0.005	
30/7/89		25640	Blasted Float	Other half of 25639.	10 ppb	1 ppm Ag 651 ppm As
30/7/89		25641	Blasted Float	Quartz vein with graphitic banding fractured. Py, mal, az, tetra?	0.030	
30/7/89		25642	Blasted Float	Quartz vein with graphitic banding, limonitic clusters, vuggy cavities mal.	0.012	
30/7/89	B.L. Line 0	25643	Selective Grab	Massive calc silicate unit. Lath like mafic crystals. Fractured and bleached light green. Veinlets of quartz in fractures with py and cpy. Diss py. Buff colour weathering.	0.066	
30/7/89	7.5SW 3NW	25644	Grab	Talc/serpentine altered ultramafic. Moderately siliceous. Foliated.	20 ppb	0.9 ppm Ag 361 ppm As
3/8/89	18.1NW 1.65W	25851	Selective Grab	Quartz vein with graphitic bands. Coarse gal, py. Massive calc silicate in F.W. sheared volcanics in H.W.	1.920	14.9 ppm Ag 5928 ppm Pb 350 ppm Zn
3/8/89	19NW 15W (105cm NNW of 25851)	25852	Selective Grab	Quartz vein with graphitic bands. Vuggy, limonitic. Aggregates of gal, minor py, trace mal.	0.158	19.2 ppm Ag 252 ppm Cu 822 ppm Pb 10243 ppm Zn
3/8/89	B.L. 20NW	25853	Selective Grab	Quartz vein graphitic bands. Trace mal, py - limonite.	0.025	2.1 ppm Ag 200 ppm Pb 200 ppm Zn
3/8/89	21.5NW 1.6NE	25854	Selective Grab	Quartz vein - sweat, trace py. Some rusty iron carbonate in sample.	0.018	
3/8/89	95cm South of 25747	25855	Selective Grab	Quartz vein graphitic and and fractured with coarse gal. Dip 45° SW. Massive calc silicate in F.W.	4.392	VISIBLE GOLD. 18.7 ppm Ag 2652 ppm Pb 1609 ppm Zn
3/8/89	14.25NW 3.3SW	25856	Selective Grab	Quartz vein with dogtooth crystal intergrowth. Abundant gal, mal, az, cpy, py. Massive calc silicate at F.W.	0.405	50 ppm Ag 16.7 ppm Cd 2394 ppm Cu 16006 ppm Pb 1334 ppm Zn
3/8/89	14.25NW 3.3SW	25857	25cm chip	Quartz vein with graphitic banding. Trace mal, gal, py.	0.094	7.9 ppm Ag 1594 ppm Pb 590 ppm Zn
3/8/89	225cm SSE from 25857	25858	Selective Grab	Quartz vein, with graphitic bands. Some vuggy cavities. Gal, mal, cpy, minor py.	0.324	21.7 ppm Ag 19.6 ppm Cd 6239 ppm Pb 3488 ppm Zn 370 ppm Cu
3/8/89	73cm NNW of 25858	25859	Selective Grab	Same as 25858.	0.564	31.7 ppm Ag 728 ppm Cu 5408 ppm Pb 3496 ppm Zn 32.2 ppm Cd
3/8/89	4.25SE 2.10NE	25860	Selective Grab	Quartz vein with graphitic banding Trace py, cpy, massive calc silicate in H.W., sheared volcanic in F.W.	4.718	VISIBLE GOLD. 31.7 ppm Ag

TABLE 4
ASSAY RESULTS AND SAMPLE DESCRIPTIONS TOG PROPERTY SHOWING (Cont'd)

Date	Location	Sample No.	Width	Description	Au (oz/ST)	Remarks
3/8/89	110cm NW of 25860	25861	Selective Grab	Quartz vein with graphitic banding. Trace py, cpy, massive calc silicate in H.W., sheared volcanic in F.W.	0.184	5.3 ppm Ag 1054 ppm Pb
19/7/89	22NW B.L.	25820	Selective Grab	Quartz vein with gal, py, cpy.	0.005	VISIBLE GOLD 0.8 ppm Ag
				Reassayed	0.036	
19/7/89	11.8NW 4SW	25821	Selective Grab	Quartz vein at F.W of massive calc silicate. Gal, cpy, py, mal, az.	1.412	> 50 ppm Ag 22.8 ppm Cd 6818 ppm Cu >20000 Pb Sb 2000 ppm Zn 1138 ppm
19/7/89	0.8 metres south B.L. Line 0	25822	Selective Grab	Quartz vein. Au, cpy, py, mal az.	0.005	VISIBLE GOLD 1.2 ppm Ag 517 ppm Pb
				Reassayed	0.023	
19/7/89	40NW 8SW	25836	Grab	Black-sheared graphitic volcanic with quartz veins. Trace mal. Yellow sulphur staining.	260 ppb	1.3 ppm Ag 157 ppm Pb 412 ppm Zn
15/7/89	3NW 1.85SW	RC-89001	Selective Grab	Quartz vein, graphitic bands. Gal, py.	1.189	VISIBLE GOLD.
15/7/89	12NW 4SW	RC-89002	Selective Grab	Quartz vein at F.W. of massive calc silicate. Gal, cpy, py, mal, az.	7.503	COARSE VISIBLE GOLD.
15/7/89	30cm NW of sample 25747	RC-89003	Selective Grab	Quartz vein with graphitic bandings. Sheared volcanics in H.W. Massive, pyritic calc silicate in F.W.	10.182	COARSE VISIBLE GOLD.

9). The very high grade gold values have been obtained where shear fractures are in contact (either hangingwall or footwall), with a massive, buff weathered, calc-silicate unit containing disseminated pyrite and chrome mica (Figure 9). This unit is possibly a highly altered dyke that has been sheared into the main vein structure. It attains widths up to 0.5 metres and is seen within at least four structural horizons (Figure 9).

Aside from the 26 metres of high grade visible gold mineralization defined, the continuation of this gold mineralization is still untested along strike because bedrock is covered by a light layer of soil and blasted rock debris.

Quartz vein subcrop has been mapped 40 metres to the southeast of the main showing and in excess of 80 metres to the northwest to give a strike length minimum of 120 metres (Figure 13). The zone of carbonatization on surface is estimated to be at least 85 metres wide and that silicification is at least 10 metres wide within this zone.

There is thus, definite potential to extend the zone along strike, in both directions, and down dip. Furthermore in the area of the showing, VLF conductors have been correlated with graphitic horizons which are conformable with the mineralized horizon and can be traced along strike over 140 metres (Figure 13).

GEOCHEMISTRY

All geochemical analysis was performed by Vangeochem Lab. Ltd. in Vancouver, B.C.

Rock Geochemistry

BUG

The significant geochemical results on the BUG property are documented in Table 2 and 3. These include **all** samples taken from Trench 1 (Figure 8), those samples taken from Zone B (Figure 12) are documented in Table 3. Multi element (I.C.P.) analysis shows that higher gold values generally give elevated levels of silver, arsenic and to some extent zinc (Table 2 and 3). Less significant geochemical results are documented in appendix 4.

TOG

The significant geochemical results on the TOG property are documented in Table 4. These include **all** samples taken from the TOG showing. Multi element (I.C.P.) analysis shows that high gold values at the TOG showing are associated with elevated levels of silver, zinc, cadmium, galena, copper and sometimes arsenic and antimony (Table 4). There appears to be a stronger arsenic-gold correlation on the BUG showing than on the TOG showing (Table 3 and Table 4). Less significant geochemical results are documented in appendix 5.

Soil Geochemistry

The geochemistry of 162 soil samples collected on the BUG property and 453 samples from the TOG which were analysed for gold and 25 element I.C.P., proved to be inconclusive. Poor soil development and quality, due to a light cover of glacial till, permafrost and the high frequency of swampy ground may explain this. Because of the association of zinc with the higher gold values on both properties in rock geochemistry, zinc 100 ppb may be a weak pathfinder, however, no geostatistics has been done to confirm this idea. All soil sample localities are shown in Figures 14, 15 and 16 in appendix 6, and assay values are included in appendix 3.

On the PHIL property, four soils, two silts and two pan concentrate samples were collected. The 1987 510 ppb gold soil anomaly of G. Davidson was resampled and returned insignificant gold values. However, visible gold was discovered in the silt by W. Taylor and M. Moore whilst panning in the north part of the PHIL-4 claim unit (Figure 3 and Figure 5 in Appendix). A 30g panned concentrate of this material analysed for gold by Fire Assay (AAS finish) returned 1630 ppb gold, reflecting the potential for gold mineralization in the region.

GEOPHYSICS

Orientation VLF/EM and magnetometer surveys were conducted on the BUG and TOG properties. More detailed studies were completed over the main showings on both claim groups (see Figures 10 and 11).

These techniques have been useful in outlining mineralized structures on the Golden Bear Deposit (Muddy Lake) of North American Metals. On the BUG and TOG claims these methods were employed to define boundaries of major structures and to delineate any secondary structures within these zones that may be important with respect to hosting precious metal mineralization.

The magnetometer surveys were used principally to outline geological units and in particular magnetite depleted listwaenite alteration zones which are characterized by discrete magnetic lows. The VLF/EM proved useful in outlining shear and or graphitic horizons. The result of these surveys summarized below and are more completely discussed in a detailed geophysical report submitted to the company in July 1989 (Steele, 1989).

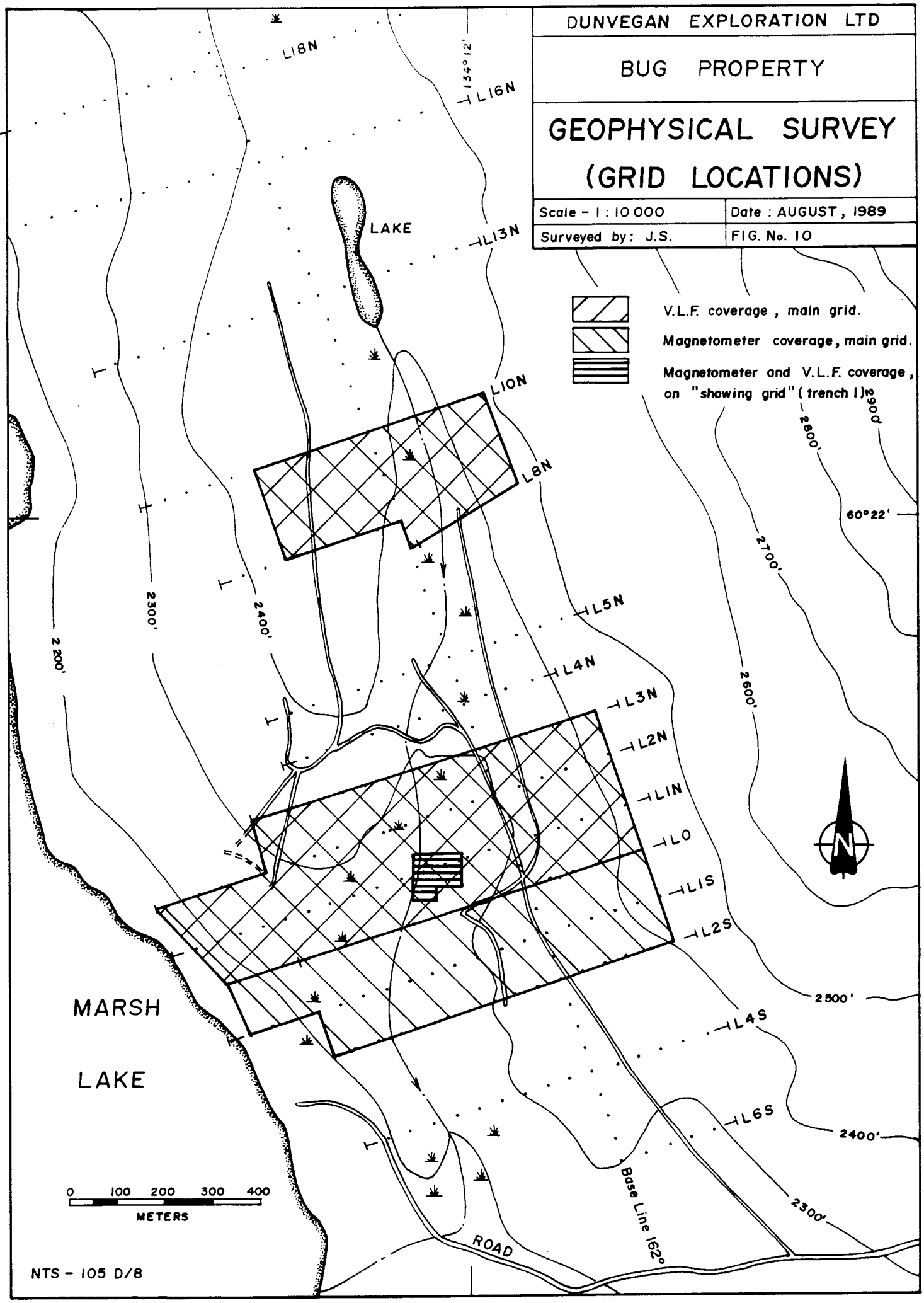
BUG Claims

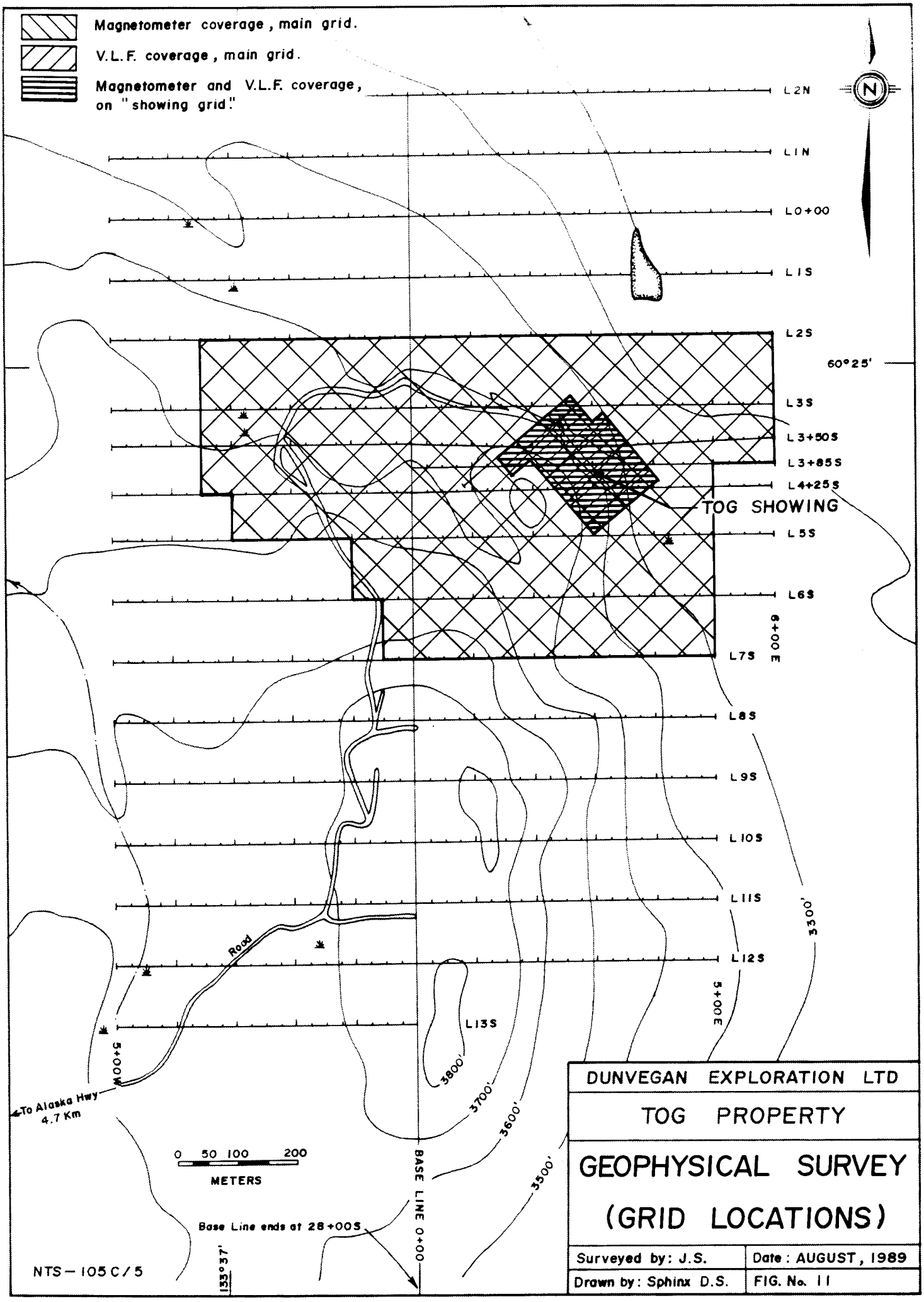
Magnetometer surveys on the BUG were successful in delineating the contacts between serpentinized ultramafics and a volcanic-sedimentary package. Magnetic lows were found to coincide with zones of alteration and are often bounded by VLF/EM conductors. In the area of the main showing a magnetic low is centred within higher magnetics to the west, north and east and is bounded on the east and west by north south trending VLF/EM conductors (Figure 12). The conductors are interpreted to represent shears marginal to alteration zones and may extend along strike for up to 1800m to the north. The magnetic low/alteration zone has returned values of up to 1030 ppb gold. In addition, a weak northeast trending conductor can be traced in the vicinity of the main showing and Zone B where values of up to 810 ppb gold are associated with altered rocks (Figure 12).

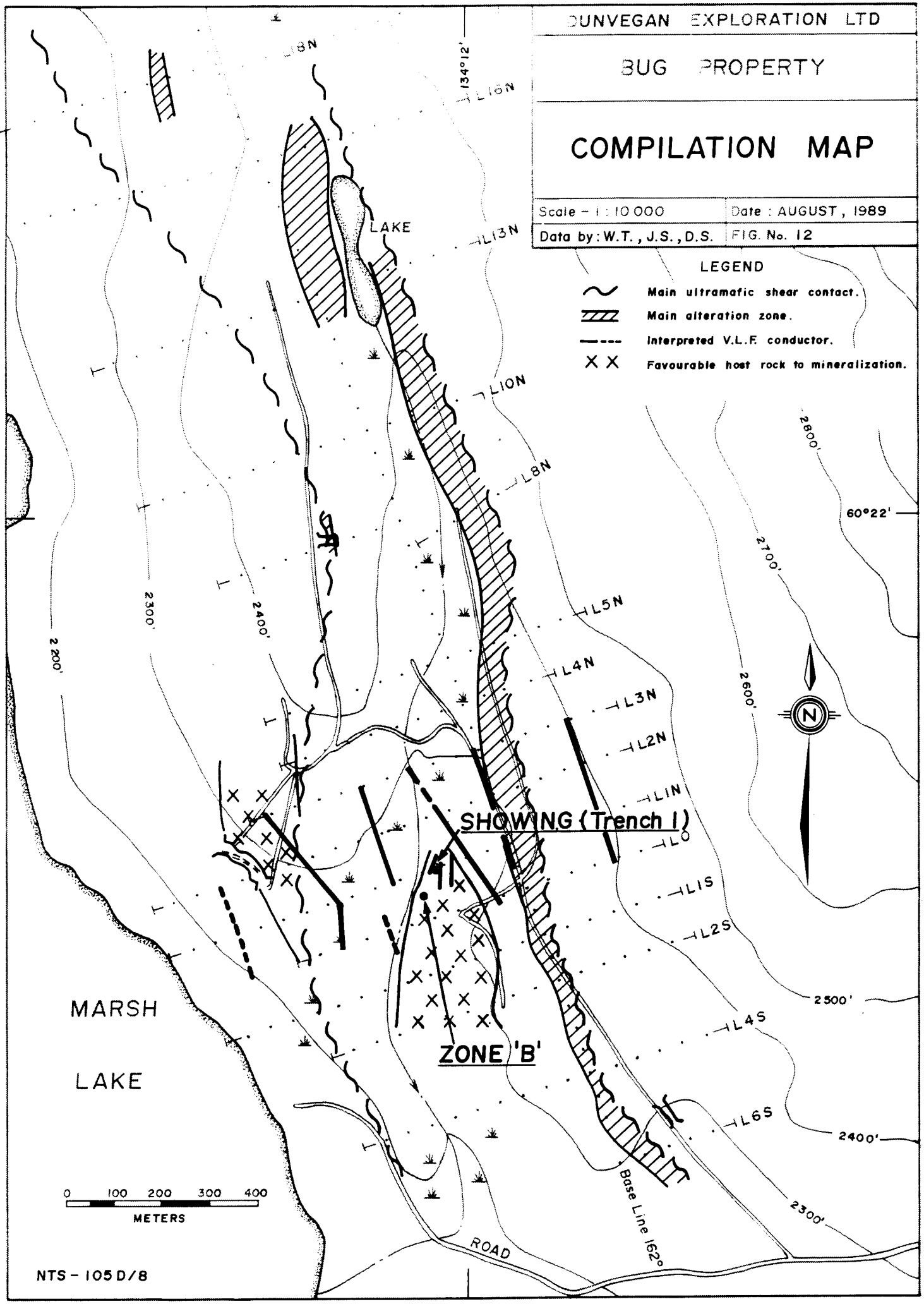
TOG Claims

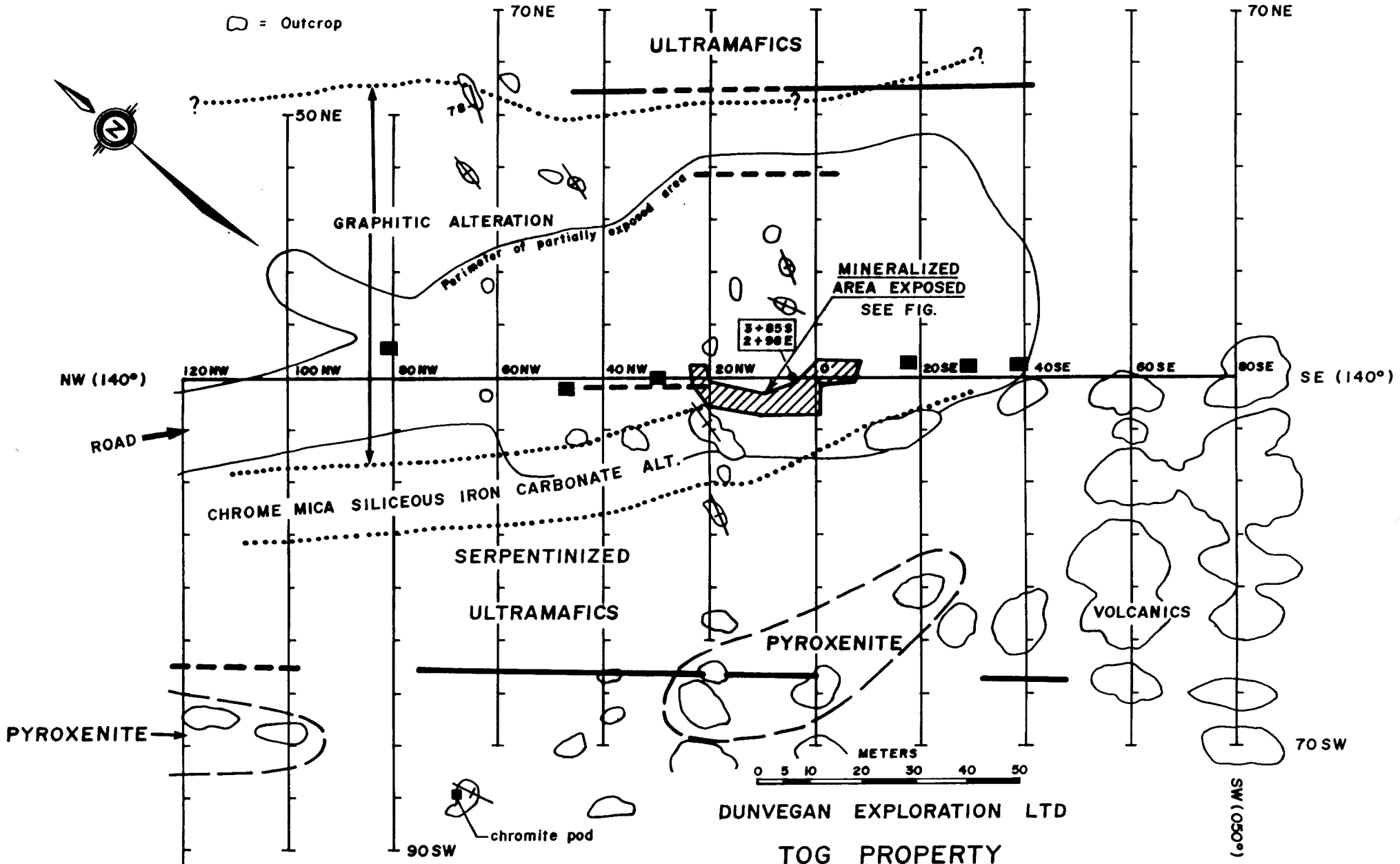
Similar to the BUG claims, the magnetometer surveys are useful in delineating geological units, in particular magnetic lows are found to be associated with alteration zones. Several VLF/EM conductors are interpreted to represent shears, faults and/or graphitic horizons.

The magnetic signature over the showing was poorly defined. One main northwest trending VLF/EM conductor and one or more secondary VLF/EM conductors however, have been outlined near the main zone of gold mineralization. The main conductor has been correlated with a graphitic horizon, which lies marginal to the hanging wall of the mineralized quartz bearing structure (Figure 13). This has been traced under overburden for 140 metres from 1+00NW to 0+40SE through the main showing. It is open to the southeast. In addition, weak isolated VLF/EM conductors lie along the footwall trace of the gold bearing quartz vein structure (Figure 13).


DUNVEGAN EXPLORATION LTD
BUG PROPERTY
GEOPHYSICAL SURVEY
(GRID LOCATIONS)
Scale - 1 : 10 000
Date : AUGUST, 1989
Surveyed by: J.S.
FIG. No. 10
V.L.F. coverage, main grid.
Magnetometer coverage, main grid.
Magnetometer and V.L.F. coverage, on "showing grid" (trench 1)
LAKE
L18N
L16N
L13N
L10N
L8N
L5N
L4N
L3N
L2N
L1N
L0
L1S
L2S
L4S
L6S
134° 12'
60° 22'
2900'
2800'
2700'
2600'
2500'
2400'
2300'
2200'
MARSH
LAKE
0 100 200 300 400
METERS
Base Line 162°
ROAD
NTS - 105 D/8
N


Magnetometer coverage, main grid.
V.L.F. coverage, main grid.
Magnetometer and V.L.F. coverage, on "showing grid."
L2N
L1N
L0+00
L1S
L2S
60°25'
L3S
L3+50S
L3+85S
L4+25S
TOG SHOWING
L5S
L6S
6+00E
L7S
L8S
L9S
L10S
L11S
L12S
5+00E
3300'
L13S
3800'
3700'
3600'
3500'
Road
5+00W
To Alaska Hwy
4.7 Km
0 50 100 200
METERS
BASE LINE 0+00
Base Line ends at 28+00S
133°37'
NTS — 105 C/5
DUNVEGAN EXPLORATION LTD
TOG PROPERTY
GEOPHYSICAL SURVEY
(GRID LOCATIONS)
Surveyed by: J.S.
Date: AUGUST, 1989
Drawn by: Sphinx D.S.
FIG. No. 11


DUNVEGAN EXPLORATION LTD
BUG PROPERTY
COMPILATION MAP
Scale – 1 : 10 000
Date : AUGUST, 1989
Data by: W.T., J.S., D.S.
FIG. No. 12
LEGEND
Main ultramafic shear contact.
Main alteration zone.
Interpreted V.L.F. conductor.
Favourable host rock to mineralization.
L18N
L16N
L13N
L10N
L8N
L5N
L4N
L3N
L2N
L1N
L0
L1S
L2S
L4S
L6S
LAKE
SHOWING (Trench 1)
ZONE 'B'
MARSH
LAKE
ROAD
Base Line 162°
134°12'
60°22'
2800'
2700'
2600'
2500'
2400'
2300'
2200'
0 100 200 300 400
METERS
NTS – 105 D/8



COMPILATION MAP (SHOWING)

Mapping: W. TAYLOR RESOURCE RESEARCH GROUP
Date: AUGUST, 1989 Scale - 1:1000

FIG. 13

CONCLUSIONS

It is the opinion of the writers that further exploration is definately warranted on the BUG and TOG properties for the following reasons:

BUG Property

Anomalous gold mineralization across a surface width of at least 11 metres has been indentified at the site of trench 1. Siliceous, brecciated conglomerate with pyrite returned gold values of up to 1030 ppb during the 1989 exploration program.

A second zone of anomalous gold mineralization has been identified 50 metres to the southwest: 'Zone B', where values of gold up to 810 ppb, have been obtained from quartz flooded 'listwaenitic' rocks near the sedimentary rock contact.

These two areas combined, represent a favourable exploration target of at least 50 metres strike length.

The gold mineralization has been shown to be the result of the occurence of a favourable host rock (coarse clastic sediments and volcanics) within a major shear zone.

Geophysical surveying has shown that similar prospective structures and host lithologies may be defined elsewhere on the property and that certain conductors can be correlated with mineralized zones, as is the case at Trench 1. A strong continuous 'listwaenitic' alteration zone with carbonitization and silicification attaining a width of 50 metres is presently recognized along the whole length of the main shear zone with a strike length of 2.4 km, which is untested to the north, south and also at depth. Areas of low geophysical magnetic response which correspond with interpreted conductors within the main shear zone should provide prospective exploration targets on a property scale.

The geological situation is very similar to that described in the Atlin Gold camp.

TOG Property

Very high grade, visible gold mineralization has been recognized at the showing on the property, gold assay values up to 41.482 oz/ton have been obtained. This style of gold mineralization is similar to the Motherlode district in California U.S.A. where very high grade 'pocket' bonanza concentrations of gold are seen in veins.

The zone of quartz veining that hosts visible gold mineralization (across a true width of 5 metres and a known strike length of 26 metres, within the presently exposed bedrock), is defined by numerous through going graphitic shears, suggesting strong structural controls to gold mineralization.

Geophysical surveying has detected conductors at the showing, suggesting mineralization may continue along strike for at least 140 metres.

The altered carbonatized zone of the TOG showing attains a width of 85 metres, with silicification and sulphide mineralization over a width of at least 10 metres, suggesting a fairly large hydrothermal system is responsible. Both the gold mineralized zone and this alteration zone are untested at depth.

The structural setting and type of alteration seen at the showing is also evident at other locations on the property, the main such location is a northwest trending zone 600m west of the showing. Prospective alteration zones may be detected geophysically.

The structures, geology, extensive listwaenitic alteration, and type of gold mineralization found, is very similar to the gold mineralization in the Atlin Camp where gold quartz veins are structurally controlled by faults and or shears adjacent to ultramafic bodies.

RECOMMENDATIONS AND COST ESTIMATES

BUG Property

Phase 1:

Establish an accurate grid on which to conduct further detailed geophysical surveying. Using geophysics to identify and define additional zones within the shear structure that exhibit a similar geophysical character to that displayed in the area of Trench 1 and Zone B. Conduct backhoe trenching program to expose bedrock at Zone B and in the area between Trench 1 and Zone B. Once exposed the bedrock should be systematically sampled. Extend the trenching program to any new areas identified as a result of the geophysical survey.

Phase 2:

Contingent upon positive results from the Phase 1 program, a diamond drill program should be implemented to test the outlined mineralized zones at depth.

TOG Claims

Phase 1:

Establish an accurate grid on the property in order to conduct detailed geophysical and geological mapping over that part of the property that was not covered during the preliminary program.

Conduct a backhoe trenching and stripping program to extend the zone of mineralization at the high grade gold showing along strike in both directions.

With the backhoe open up bedrock exposure on line 3 + 00S at 2 + 00W and at line 5 + 00S on the baseline, where the prospective structure, alteration and geophysical signature are coincident.

Conduct detailed sampling across measured widths at all of the above locations.

Phase 2:

Contingent upon successful results from Phase 1, conduct a diamond drill program to test the mineralized zones at depth.

David J. Copeland
September 5, 1989

Cost Estimate

BUG Property

Phase 1:	$
Grid establishment (all-in)	7,000.00
Geophysical survey (all-in)	16,000.00
Backhoe hire ($120.00/hr.)	14,400.00
Geologist (21 days @ $250.00 per day)	5,250.00
Geological assistant (21 days @ $150.00 per day)	3,150.00
Supervision (11 days @ $400.00 per day)	4,400.00
Vehicle hire (21 days @ $75.00 per day)	1,575.00
Assay costs (300 @ $30.00 per sample)	9,000.00
Accommodation	1,000.00
Air fares	3,500.00
Food	1,800.00
Fuel	250.00
Freight	1,000.00
Supplies	500.00
Communication	170.00
Report	5,000.00
Contingency @ 10%	7,400.00
Total	$ 81,395.00

Phase 2:	
Diamond drilling (2000 ft. @ $50.00/ft. all-in)	100,000.00
Geologist (14 days @ $250.00 per day)	3,500.00
Assistant geologist (14 days @ $150.00 per day)	2,100.00
Supervision (8 days @ $400.00 per day)	3,200.00
Assay costs	6,000.00
Vehicle hire (14 days @ $75.00 per day)	1,050.00
Accommodation	600.00
Air fares	3,500.00
Food	1,100.00
Fuel	150.00
Freight	600.00
Supplies	300.00
Communication	100.00
Report	3,000.00
Contingency @ 10%	12,520.00
Total	$ 137,720.00

Total cost of Phase 1 and 2: $ 219,115.00

David J. Copeland
September 5, 1989

TOG Property

Phase 1:	$
Grid establishment (all-in)	15,000.00
Geophysical Survey (all-in)	30,000.00
Backhoe hire (@ $120.00 per hour)	24,000.00
Geologist (23 days @ $250.00 per day)	5,750.00
Geological assistant (23 days @ $150.00 per day)	3,450.00
Supervision (16 days @ $400.00 per day)	6,400.00
Assay costs	12,000.00
Vehicle hire (23 days @ $75.00 per day)	1,725.00
Accommodation	1,200.00
Food	2,200.00
Air fares	3,500.00
Fuel	300.00
Freight	1,200.00
Supplies	600.00
Communication	200.00
Report	6,000.00
Contingency @ 10%	11,350.00
Total	$ 124,875.00

Phase 2:	
Drill programme (2,000 ft. @ $50.00 per foot all-in)	100,000.00
Geologist (14 days @ $250.00 per day)	3,500.00
Geological assistant (14 days @ $150.00 per day)	2,100.00
Supervision (8 days @ $400.00 per day)	3,200.00
Assay costs	6,000.00
Vehicle hire (14 days @ $75.00 per day	1,050.00
Accommodation	600.00
Air fares	3,500.00
Food	1,100.00
Fuel	150.00
Freight	600.00
Supplies	300.00
Communication	100.00
Report	3,000.00
Contingency @ 10%	12,520.00
Total	$ 137,720.00
Total cost of Phase 1 and 2:	$ 262,595.00
Total cost of proposed Dunvegan exploration program	$ 481,710.00

David J. Copeland
September 5, 1989

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STATEMENT OF QUALIFICATIONS

I, David J. Copeland, of the City of Vancouver, Province of British Columbia, do hereby certify that:

1. I am a consulting geological engineer with a business office at Suite 1575 - 200 Granville Street, Vancouver, B.C. and am secretary of C.E.C. Engineering Ltd.

2. I am a graduate in economic geology with a Bachelor of Science degree from the University of British Columbia in 1970.

3. I am a registered member, in good standing, of the Association of Professional Engineers of B.C.

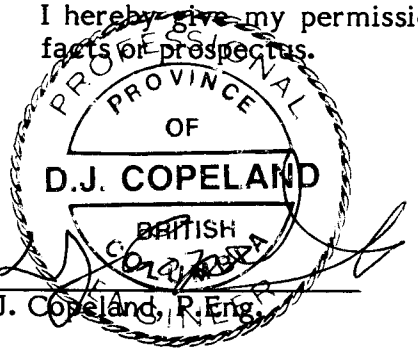
4. Since graduation I have been engaged in mineral exploration and mine development in Canada, United States of America, South America and Australasia.

5. I have directed the initial exploration activities and reviewed progress of activities on the subject property of this report between July and September, 1989.

6. I own no direct or indirect shares or securities of Dunvegan Exploration Ltd.

7. I own no direct or indirect interest in the subject claims of this report.

8. I hereby give my permission for inclusion of this letter into a statement of material facts or prospectus.



D.J. Copeland, P.Eng.

September 5, 1989

STATEMENT OF QUALIFICATIONS

I, William A. Taylor, of the City of Vancouver, Province of British Columbia, do hereby certify that:

1. I am a geologist residing at 2494 Cornwall Ave., Vancouver, B.C. and I am employed by Resource Research Group/C.S.L. with an office at 1530 - 144 4th Ave. S.W., Calgary, Alberta T2P 3N4.

2. I hold a Bachelor of Science (Hons.) degree in Geology from the University of London, England.

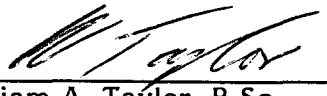
3. I have practised my profession continuously since 1983.

4. I co-ordinated and conducted the field exploration on the BUG, PHIL and TOG properties between June and September, 1989.

5. I own no direct or indirect shares or securities of Dunvegan Exploration Ltd.

6. I own no direct or indirect interest in the subject claims of this report.

7. I hereby give my permission for inclusion of this letter into a Statement of Material Facts or Prospectus.



William A. Taylor, B.Sc.
Resource Research Group/C.S.L.

September 5, 1989

STATEMENT OF QUALIFICATIONS

I, David A. Shaw, of the City of Calgary, Province of Alberta, do hereby certify that:

1. I am an employee of Resource Research Group/C.S.L. which has their office at 1500 - 144, 4th St. S.W., Calgary, Alberta.

2. I am a graduate in Geology with a Bachelor of Science (Specialized Honours) from the University of Sheffield, England, in 1973.

3. I graduated from Carleton University, Ottawa, in 1980 with a Doctorate of Philosophy in the field of Structural Geology.

4. Since graduation I have been engaged in resource study and exploration in Europe, North America and Southeast Asia.

5. I supervised and participated in the exploration projects on the BUG and TOG properties during parts of the months of June, July, August and September, 1989.

6. I own no direct or indirect shares or securities of Dunvegan Exploration Ltd.

7. I own no direct or indirect interest in the subject claims of this report.

8. I hereby give my permission for inclusion of this letter into a Statement of Material Facts or Prospectus.

David A. Shaw

David A. Shaw, Ph.D.
Resource Research Group/C.S.L.

September 5, 1989

DUNVEGAN EXPLORATION LTD.

Costs Incurred - 1989 Exploration Program
Bug Property

Mob/Demob		
Engineer	1 @ 440	440.00
Supervision	2 @ 400	800.00
Geologist	3 @ 250	750.00
Geophysicist	1 @ 425	425.00
Assistant	3 @ 150	450.00
		2,865.00
Geology		
Engineer	1 @ 440	440.00
Supervisor	3.5 @ 400	1,400.00
Geologist	2 @ 285	570.00
Geologist	15.5 @ 250	3,875.00
Assistant	9.5 @ 150	1,425.00
		7,710.00
Geophysics		
Geophysicist	7.5 @ 425	3,187.50
Equipment Rental	5 @ 104	520.00
Report		1,440.00
		5,147.50
Geochemistry		
Assistant	4 @ 150	600.00
Technician	4.66 @ 185	863.33
		1,463.33
Geochemical Analyses		
Soils	152 @ 15	2,280.00
Rocks	50 @ 20	1,000.00
Shipping		176.50
		3,456.50
Prospecting		
Geologist	5 @ 250	1,250.00
Assistant	5 @ 150	750.00
		2,000.00

Grid	5.5 @ 385	2,117.50
Food/Accommodation	62 @ 70	4,340.00
Transportation		
Truck Rental	21 @ 60	1,260.00
Repairs		127.00
Fuel		354.00
		1,741.00
Equipment		913.00
Communications		585.72
Report		
Engineer	0.5 @ 385	192.50
Supervision	1 @ 400	400.00
Geologist	7 @ 250	1,750.00
Secretarial		679.15
Drafting		558.00
Reproductions		465.72
		4,045.37
Total		**36,383.92**

Gregory G. Crowe, M.Sc., P.Geol.
President - Dunvegan Exploration Ltd.

DUNVEGAN EXPLORATION LTD.

Costs Incurred - 1989 Exploration Program
Tog Property

Mob/Demob		
Engineer	1 @ 440	440.00
Supervision	2 @ 400	800.00
Geologist	3 @ 250	750.00
Geophysicist	1 @ 425	425.00
Assistant	3 @ 150	450.00
		2,865.00
Geology		
Engineer	1 @ 440	440.00
Supervisor	3.5 @ 400	1,400.00
Geologist	2 @ 285	570.00
Geologist	15.5 @ 250	3,875.00
Assistant	9.5 @ 150	1,425.00
		7,710.00
Geophysics		
Geophysicist	7.5 @ 425	3,187.50
Equipment Rental	5 @ 104	520.00
Airfare		1,500.00
Report		1,440.00
		6,647.50
Geochemistry		
Assistant	4 @ 150	600.00
Technician	4 @ 185	740.00
		1,340.00
Geochemical Analyses		
Soils	455 @ 15	6,825.00
Rocks	150 @ 20	3,000.00
Shipping		176.50
		10,001.50
Prospecting		
Geologist	5 @ 250	1,250.00
Assistant	5 @ 150	750.00
		2,000.00

Grid	5.5 @ 385	2,117.50
Food/Accommodation	61 @ 70	4,270.00
Transportation		
Truck Rental	20 @ 60	1,200.00
Repairs		127.00
Fuel		354.00
Airfares		3,688.00
		5,369.00
Equipment		913.00
Communications		585.72
Report		
Engineer	0.5 @ 385	192.50
Supervision	1 @ 400	400.00
Geologist	7 @ 250	1,750.00
Secretarial		679.15
Drafting		558.00
Reproductions		465.72
		4,045.37
Total		**47,864.59**

Gregory G. Crowe, M.Sc., P.Geol.
President - Dunvegan Exploration Ltd.

APPENDIX 1

Energy, Mines and Resources Canada
Geological Survey of Canada Sector
601 Booth Street
Ottawa, Ontario
K1A 0E8

Énergie, Mines et Ressources Canada
Secteur de la Commission géologique du Canada

August 18, 1989

Mr. James E. Ryan
President
Dunvegan Explorations Ltd.
#205 - 700 West Pender St.
Vancouver, British Columbia
V6C 1G8

Dear Mr. Ryan,

I have received your letter of July 24th. I wish to thank you, Arnie Mullenand and Gord McLeod for the opportunity to revisit your Tog property in Teslin map sheet NTS 105C-5. Gord and I went to this prospect in the summer of 1985 by helicopter. It certainly is a valuable improvement having such an excellent road into the now well exposed and trenched outcrop.

From my limited examination of the discovery outcrops (i.e. I have not walked the whole property) I can say that my impressions of the showing as reported to G.M. McLeod by letter (August 7, 1986) have not changed, <u>but</u> they have been strongly confirmed.

1) In the local context, the prospect is most similar to gold-bearing veins found in the Atlin placer mining camp. They are therefore directly comparable to gold-quartz vein mineralization found in the famous Motherlode Gold Belt of California.

2) The "Tog" is hosted in Cache Creek Group rocks of the Atlin Terrane which is a dismembered ocean floor sequence (ophiolite). The gold-quartz veins appear to be strongly structurally controlled by faults and/or shears. The well developed vein(s) and/or vein system occurs at the contact of altered ultramafic rocks and varying more competent rock types. Note that the minor Teslin Fault system (i.e. Teslin Lake Suture) could have influenced your local structural patterns since your geologic setting is comparable to the lodes found in portions of the Motherlode Belt, California. These types of "mega" scale structures and associated ocean floor rocks are also being actively and successfully explored for gold lodes along the Pinchi Fault system of central British Columbia and along the important Baie Verte Fault System of Newfoundland.

3) I collected some visible gold samples in 1985 and found numerous locations of visible gold in the newly exposed portion of what would now appear to be a strong vein(s) system of variable width. The visible gold is associated as free gold in smokey grey quartz, gold with tetrahedrite, gold along graphitic (black) fractures in quartz and gold in iron carbonate. As previously reported the gold was examined with an electron microprobe at the Geological Survey of Canada and found to contain 93.5% gold and 6.0% silver. These results will be checked against the new samples collected from the above varying styles of occurrence.

4) The general sulphide content of the vein(s) is low, however, in the bleached carbonate-altered wall rock of the vein limited pyrite concentrations are observed. Previous geochemical analysis by the GSC suggests that this pyritized altered material also carries gold values. Silver values in the veins are low suggesting a high gold to silver ratio similar to the gold composition itself.

5) Your geophysical work being done should be successful in delineating the altered structural zones since the intense hydrothermal alteration of the rocks results in very obvious linear high low patterns. This anomaly contrast has also been confirmed to be the best indicator of "blind" ore shoots being followed in Atlin and Newfoundland.

6) The professional approach to exploration as exhibited by your field crew was indicative of a well planned multi-facetted survey program. I am sure that the results from the Tog and Bug properties will be most encouraging.

7) As my research results become available I will keep you fully informed.

Thanks again for your support of GSC research activities.

Yours sincerely,

S.B. Ballantyne
Mineral Resources Division

APPENDIX 2

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

August 21, 1989

TO: Dunvegan Exploration Ltd
205 - 407 Granville St
Vancouver, B C
V6C 1T2

FROM: Vangeochem Lab Limited
1988 Triumph Street
Vancouver, British Columbia
V5L 1K5

SUBJECT: Analytical procedure used to determine metallic gold by fire assay and gravimetrically.

1. Method of Sample Preparation

(a) Rock samples would be received at the laboratory in poly ore bags.

(b) Dried rock samples would be crushed using a jaw crusher and pulverized to 140 mesh or finer by using a disc mill.

(c) The whole sample or portion of the sample would then be screened through a 140 mesh screen. The +140 mesh fraction (metallics) would be weighed and then put into an envelope for gold analysis with its weight recorded. The -140 mesh fraction would be weighed then rolled and transferred to a new bag with its weight recorded and a portion subsequently used for analysis.

2. Method of Extraction

(a) The whole +140 mesh fraction is fluxed and fused. 1/2 to 1 assay tonne of the pulp sample (-140 mesh fraction) would be used.

(b) A flux of litharge, soda ash, silica borax, and either flour or potassium nitrate is added. The samples are thoroughly mixed. Liquid Ag inquart is added, then the samples are fused at 1900 degrees Fahrenheit to form lead buttons.

(c) The lead buttons are cupelled to dore beads. The beads are parted with dilute nitric acid and washed several times.

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BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

(d) The gold beads are then annealled.

3. **Method of Determination**

The gold beads are weighed using a Sartorius electronic micro-balance. Using the weights of +140 mesh and -140 mesh fractions and the weights of gold, the assay is then calculated and reported in ounces per short tonne or grams per tonne.

4. **Analysts**

The analyses were supervised or determined by Mr. Raymond Chan or Mr. Conway Chun and his laboratory staff.

Raymond Chan
Vangeochem Lab Limited

VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
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BATHURST. N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

Sample Number		Weight (gm)	Au (mg)	Au (oz/st)
25853	TOTAL	222.31	--	0.025
25853	+150	7.81	0.013	--
25853	-150	214.50	--	0.024
25854	TOTAL	220.18	--	0.018
25854	+150	6.18	0.014	--
25854	-150	214.00	--	0.017
25855	TOTAL	243.45	--	4.392
25855	+150	7.45	18.546	--
25855	-150	236.00	--	2.239
25856	TOTAL	268.67	--	0.405
25856	+150	8.17	0.691	--
25856	-150	260.50	--	0.340
25857	TOTAL	234.91	--	0.094
25857	+150	7.41	0.048	--
25857	-150	227.50	--	0.091
25858	TOTAL	238.99	--	0.324
25858	+150	8.89	0.388	--
25858	-150	230.10	--	0.287
25859	TOTAL	213.85	--	0.564
25859	+150	6.85	0.770	--
25859	-150	207.00	--	0.474
25860	TOTAL	217.87	--	4.718
25860	+150	6.87	3.435	--
25860	-150	211.00	--	4.397
25861	TOTAL	227.53	--	0.184
25861	+150	6.63	0.443	--
25861	-150	220.90	--	0.131

Minimum Detection	0.01	0.001	0.005
Maximum Detection	10000.00	1000.000	1000.000

< = Below Limit is = Insufficient Sample ns = No sample > = Over Limit

APPENDIX 3

BUG Claims

Rock Geochemistry

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: DUNVEGAN EXPL. LTD
ADDRESS: C/O 205 - 470 Granville St.
: Vancouver, B.C.
: V6C 1T2

DATE: JULY 26 1989
REPORT#: 890357 GA
JOB#: 890357

PROJECT#: 8904
SAMPLES ARRIVED: JULY 21 1989
REPORT COMPLETED: JULY 26 1989
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 890357 NA
TOTAL SAMPLES: 3
SAMPLE TYPE: 3 ROCK
REJECTS: SAVED

SAMPLES FROM: WHITEHORSE
COPY SENT TO: WHITEHORSE/ALTA/VANCOUVER

PREPARED FOR: DUNVEGAN EXPL. LTD

ANALYSED BY: VGC Staff

SIGNED: Jaime C. Wong

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
(604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890357 GA JOB NUMBER: 890357 DUNVEGAN EXPL. LTD PAGE 1 OF 1

SAMPLE #	Au ppb
25634	40
25635	40
25636	nd

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: DUNVEGAN EXPL. LTD
ADDRESS: C/O 205 - 470 Granville St.
: Vancouver, B.C.
: V6C 1T2

DATE: JULY 25 1989
REPORT#: 890335 GA
JOB#: 890335

PROJECT#: 8904
SAMPLES ARRIVED: JULY 17 1989
REPORT COMPLETED: JULY 25 1989
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 890335 NA
TOTAL SAMPLES: 12
SAMPLE TYPE: 12 ROCK
REJECTS: SAVED

SAMPLES FROM: DUNVEGAN EXPL. LTD
COPY SENT TO: WHITEHORSE/ALTA/VANCOUVER

PREPARED FOR: DUNVEGAN EXPL. LTD

ANALYSED BY: VGC Staff

SIGNED: Jaime C. Wong

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
●●(604) 251-5656
●●FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890335 GA JOB NUMBER: 890335 DUNVEGAN EXPL. LTD

SAMPLE #	Au ppb
25687	30
25688	5
25689	20
25690	10
25691	10
25692	10
25694	100
25695	810
25696	100
25697	370
25698	20
25699	20

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: DUNVEGAN EXPL. LTD
ADDRESS: C/O 205 - 470 Granville St.
: Vancouver, B.C.
: V6C 1T2

DATE: JULY 17 1989
REPORT#: 890314 GA
JOB#: 890314

PROJECT#: 8904
SAMPLES ARRIVED: JULY 11 1989
REPORT COMPLETED: JULY 17 1989
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 890314 NA
TOTAL SAMPLES: 34
SAMPLE TYPE: 34 ROCK
REJECTS: SAVED

SAMPLES FROM: WHITEHORSE
COPY SENT TO: WHITEHORSE/ALTA/VANCOUVER

PREPARED FOR: DUNVEGAN EXPL. LTD

ANALYSED BY: VGC Staff

SIGNED: Jaime C. Wong

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890314 GA JOB NUMBER: 890314 DUNVEGAN EXPL. LTD

SAMPLE #	Au ppb
25651	80
25652	390
25653	860
25654	340
25655	670
25656	480
25657	310
25658	200
25659	30
25660	60
25661	210
25662	30
25663	30
25664	290
25665	100
25666	220
25667	50
25668	150
25669	20
25670	5
25671	5
25672	5
25673	5
25674	5
25675	10
25676	5
25677	20
25678	5
25679	10
25680	1030
25682	580
25684	60
25685	590
25686	180

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED
1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890314 PA DUNVEGAN EXPL. LTD. Proj: 8904 Date In: 89/07/11 Date Out:89/07/ 17 Att: Date Out: 89/07/17 Page 1 of 1

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
25651	0.1	0.09	1042	62	<3	>10.00	0.1	21	153	<1	2.76	1.86	9.90	811	1	0.01	190	0.01	31	<2	3	2017	<5	<3	20
25652	0.6	0.62	781	57	3	5.43	0.1	33	51	20	3.14	0.91	5.28	813	2	0.01	507	0.01	33	<2	4	664	<5	<3	49
25653	1.1	1.12	452	43	3	2.63	0.1	16	11	89	3.17	0.48	2.63	462	2	0.01	142	0.01	36	<2	4	232	<5	<3	115
25654	0.6	1.14	374	69	<3	2.39	0.1	11	19	26	2.50	0.43	2.41	542	2	0.01	112	0.01	31	<2	3	197	<5	<3	60
25655	1.2	0.28	594	33	<3	2.32	0.1	11	26	19	3.65	0.46	1.89	538	2	0.01	35	0.01	46	<2	3	240	<5	<3	61
25656	<0.1	1.11	498	52	3	2.53	0.1	11	22	21	3.62	0.49	2.57	655	3	0.01	36	0.01	44	<2	4	269	<5	<3	86
25657	1.1	0.14	343	21	3	3.98	0.1	10	76	16	2.90	0.68	3.25	588	3	0.01	37	0.01	32	<2	3	484	<5	<3	24
25658	0.6	0.18	311	52	3	5.16	0.1	12	54	17	2.35	0.85	4.37	668	1	0.01	125	0.01	26	<2	3	687	<5	<3	32
25659	0.4	0.09	1188	53	4	>10.00	0.1	29	96	11	3.53	1.65	8.34	1001	2	0.01	375	0.01	35	<2	4	1539	<5	<3	23
25660	1.1	0.06	1005	47	<3	3.45	0.1	38	249	30	2.59	0.62	>10.00	594	<1	0.01	636	0.01	21	<2	2	763	<5	<3	37
25661	0.6	0.11	1046	64	3	7.97	0.1	39	112	13	2.44	1.30	8.14	726	1	0.01	602	0.01	30	<2	3	1544	<5	<3	24
25662	1.1	0.05	724	23	<3	3.13	0.1	25	184	8	2.42	0.57	>10.00	594	1	0.01	413	0.01	20	<2	2	716	<5	<3	28
25663	0.6	0.67	76	76	<3	1.81	1.1	14	27	43	3.04	0.36	1.78	471	2	0.01	45	0.10	31	<2	3	168	<5	<3	89
25664	1.2	0.46	244	39	<3	3.49	0.3	13	19	18	2.32	0.59	3.21	517	1	0.01	120	0.01	30	<2	3	395	<5	<3	73
25665	2.6	0.04	1062	22	<3	2.10	0.1	38	262	27	2.66	0.42	>10.00	484	<1	0.01	765	0.01	21	<2	<2	526	<5	<3	38
25666	1.1	0.18	494	40	<3	2.64	0.1	14	142	15	1.41	0.45	3.11	344	1	0.01	178	0.01	21	<2	3	484	<5	<3	18
25667	0.4	0.37	40	21	<3	1.82	0.3	6	71	17	1.47	0.31	1.51	347	2	0.01	25	0.05	21	<2	2	133	<5	<3	43
25668	0.5	0.27	219	26	<3	1.19	0.1	17	18	5	0.86	0.21	2.15	157	1	0.01	269	0.01	14	<2	2	206	<5	<3	14
25669	0.5	0.31	50	47	<3	1.73	0.3	6	79	20	1.68	0.31	1.21	431	<1	0.01	24	0.08	19	<2	2	174	<5	<3	49
25670	0.3	0.04	27	39	<3	1.09	0.5	41	329	6	2.99	0.26	>10.00	482	<1	0.01	768	0.01	17	<2	<2	76	<5	<3	11
25671	0.3	0.05	<3	5	<3	0.41	0.7	9	302	4	0.85	0.09	3.72	141	2	0.01	170	0.01	13	<2	3	61	<5	<3	6
25672	0.4	0.47	129	105	<3	0.33	0.3	65	>1000	9	3.84	0.17	>10.00	498	1	0.01	1420	0.01	23	<2	2	25	<5	<3	13
25673	0.1	0.03	<3	9	<3	0.14	0.1	4	169	18	0.56	0.04	0.27	96	<1	0.01	35	0.01	11	<2	<2	17	<5	<3	164
25674	0.4	0.95	30	83	<3	2.15	0.8	10	38	24	3.82	0.42	0.27	406	2	0.02	33	0.07	29	<2	3	68	<5	<3	68
25675	0.1	0.17	<3	46	<3	2.84	0.1	1	125	7	0.50	0.44	0.04	205	<1	0.01	9	0.01	13	<2	<2	407	<5	<3	56
25676	0.3	0.06	<3	23	<3	3.60	0.1	1	171	3	0.43	0.54	0.03	366	<1	0.01	9	0.02	11	<2	<2	452	<5	<3	9
25677	0.4	0.52	110	132	<3	6.41	0.7	17	24	38	4.14	1.02	0.28	700	2	0.02	26	0.09	36	<2	3	72	<5	<3	74
25678	0.1	0.04	15	21	<3	>10.00	0.1	2	18	8	0.36	3.08	0.20	423	<1	0.02	33	0.02	26	<2	<2	2346	<5	<3	12
25679	0.3	0.19	45	4	5	0.34	1.5	75	620	13	3.29	0.16	>10.00	793	1	0.01	1056	0.01	22	<2	3	46	<5	<3	8
25680	1.2	0.16	912	28	<3	1.81	0.1	13	60	25	3.16	0.37	1.65	349	1	0.01	50	0.01	37	<2	4	225	<5	<3	80
25682	1.4	0.13	667	30	<3	2.34	0.1	11	30	16	3.37	0.45	1.90	428	1	0.01	32	0.01	42	<2	3	255	<5	<3	59
25684	0.5	0.03	818	43	<3	3.16	0.1	30	232	5	2.25	0.57	>10.00	274	<1	0.01	484	0.01	20	<2	2	756	<5	<3	28
25685	1.2	0.14	558	30	<3	2.12	0.1	10	34	14	3.11	0.41	1.83	446	1	0.01	34	0.01	38	<2	4	445	<5	<3	64
25686	0.5	0.20	162	19	<3	2.40	0.1	6	72	10	1.52	0.40	2.22	326	1	0.01	27	0.01	19	<2	3	313	<5	<3	11
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

VANGEOCHEM LAB LIMITED

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 3 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890357 PA DUNVEGAN EXPL LTD. Proj: 8904 Date In: 89/07/21 Date Out:89/08/01 Att: Page 1 of 1

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
25634	0.3	0.22	50	54	3	2.60	0.8	15	27	51	3.44	0.52	1.18	579	2	0.01	26	0.11	40	<2	2	382	<5	<3	95
25635	0.2	0.38	88	54	<3	2.32	0.6	11	52	22	2.80	0.46	1.02	538	2	0.01	16	0.05	22	<2	2	401	<5	<3	52
* 25636 ToG	0.2	0.55	<3	94	<3	0.11	0.1	7	83	48	1.64	0.01	0.62	77	3	0.01	23	0.03	23	<2	2	17	<5	<3	59
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	10000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

VANGEOCHEM LAB LIMITED

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Phn(604)251-5656 Faxn(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST: _____

REPORT #: 890335 PA DUNVEGAN EXPLR Proj: 8904 Date In: 89/07/17 Date Out:89/07/24 Att:

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
25687	0.3	0.58	<3	120	<3	5.87	0.1	3	47	28	0.30	0.85	0.18	73	2	0.03	18	0.07	12	<2	<2	51	<5	<3	17
25688	0.1	0.05	9	22	<3	0.26	0.2	44	316	8	2.11	0.10	>10.00	296	2	0.01	998	0.01	11	<2	<2	19	<5	<3	14
25689	0.1	0.04	5	14	<3	0.15	0.1	56	260	11	3.16	0.12	>10.00	608	<1	0.01	1125	0.01	7	<2	<2	15	<5	<3	14
25690	0.2	1.05	22	73	3	2.31	1.3	17	141	19	2.69	0.43	3.07	638	3	0.03	95	0.15	106	<2	<2	173	<5	<3	115
25691	0.5	0.85	12	23	<3	3.14	0.2	6	82	27	1.48	0.51	0.72	208	2	0.02	15	0.04	24	<2	<2	142	<5	<3	45
25692	0.1	0.04	72	19	<3	0.59	0.1	47	179	9	3.29	0.19	>10.00	511	<1	0.01	848	0.01	10	<2	<2	95	<5	<3	11
25694	0.1	0.06	530	61	<3	0.36	0.1	66	348	12	3.24	0.16	>10.00	536	1	0.01	1339	0.01	12	<2	<2	90	<5	<3	29
25695	0.2	0.07	225	20	3	2.12	0.1	35	245	8	1.64	0.39	8.76	557	2	0.01	716	0.01	11	<2	<2	483	<5	<3	14
25696	0.1	0.07	269	31	3	1.90	0.1	48	270	8	1.99	0.37	>10.00	305	1	0.01	977	0.01	11	<2	<2	493	<5	<3	16
25697	0.1	0.04	571	22	<3	5.49	0.1	44	204	8	2.33	0.98	>10.00	427	2	0.01	955	0.01	14	<2	<2	1470	<5	<3	14
25698	0.2	0.03	12	92	<3	3.81	0.1	19	162	8	1.57	0.63	>10.00	246	<1	0.01	444	0.01	8	<2	<2	378	<5	<3	16
25699	0.2	0.12	11	142	<3	1.59	0.2	55	781	9	2.70	0.39	>10.00	509	<1	0.01	1167	0.01	9	<2	<2	905	<5	<3	14
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

BUG Claims

Soil Geochemistry

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: DUNVEGAN EXPL. LTD
ADDRESS: C/O 205 - 470 Granville St.
: Vancouver, B.C.
: V6C 1T2

DATE: JULY 25 1989
REPORT#: 890334 GA
JOB#: 890334

PROJECT#: 8904
SAMPLES ARRIVED: JULY 17 1989
REPORT COMPLETED: JULY 25 1989
ANALYSED FOR: Au ICP

INVOICE#: 890334 NA
TOTAL SAMPLES: 121
SAMPLE TYPE: 121 SOIL
REJECTS: DISCARDED

SAMPLES FROM: DUNVEGAN EXPL. LTD
COPY SENT TO: WHITEHORSE/ALTA/VANCOUVER

PREPARED FOR: DUNVEGAN EXPL. LTD

ANALYSED BY: VGC Staff

SIGNED: Jaime C. Wong

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
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BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890334 GA JOB NUMBER: 890334 DUNVEGAN EXPL. LTD

SAMPLE #	Au ppb
8904-B-1	5
8904-B-2	20
8904-B-3	5
8904-B-4	5
8904-B-5	10
8904-B-6	10
8904-B-7	5
8904-B-8	15
8904-B-9	15
8904-B-10	10
8904-B-11	10
8904-B-12	10
8904-B-13	15
8904-B-14	10
8904-B-15	5
8904-B-16	5
8904-B-17	15
8904-B-18	10
8904-B-19	5
8904-B-20	15
8904-B-21	15
8904-B-22	10
8904-B-23	5
8904-B-24	15
8904-B-25	10
8904-B-26	10
8904-B-27	10
8904-B-28	nd
8904-B-29	10
8904-B-30	5
8904-B-31	15
8904-B-33	10
8904-B-34	5
8904-B-35	10
8904-B-36	10
8904-B-37	5
8904-B-38	10
8904-B-39	5
8904-B-40	5
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
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MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Au ppb
8904-B-41	10
8904-B-42	15
8904-B-43	20
8904-B-44	20
8904-B-45	15
8904-B-46	20
8904-B-47	15
8904-B-48	20
8904-B-49	15
8904-B-50	20
8904-B-51	25
8904-B-52	20
8904-B-53	100
8904-B-54	20
8904-B-55	25
8904-B-56	20
8904-B-57	5
8904-B-58	15
8904-B-59	5
8904-B-60	10
8904-B-61	20
8904-B-62	10
8904-B-63	10
8904-B-64	10
8904-B-65	10
8904-B-66	5
8904-B-67	10
8904-B-68	15
8904-B-69	10
8904-B-70	15
8904-B-71	25
8904-B-72	15
8904-B-73	10
8904-B-74	5
8904-B-75	5
8904-B-76	15
8904-B-77	25
8904-B-78	5
8904-B-79	5
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
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RENO, NEVADA, U.S.A.

SAMPLE #	Au ppb
8904-B-80	5
8904-B-81	50
8904-B-82	20
8904-B-83	20
8904-B-84	10
8904-B-85	20
8904-B-86	20
8904-B-87	20
8904-B-88	15
8904-B-89	5
8904-B-90	10
8904-B-91	10
8904-B-92	25
8904-B-93	25
8904-B-94	15
8904-B-95	15
8904-B-96	25
8904-B-97	15
8904-B-98	20
8904-B-99	15
8904-B-100	15
8904-B-101	15
8904-B-102	15
8904-B-103	5
8904-B-104	10
8904-B-105	10
8904-B-106	5
8904-B-107	10
8904-B-108	15
8904-B-109	15
8904-B-110	20
8904-B-111	20
8904-B-112	10
8904-B-113	10
8904-B-114	10
8904-B-115	10
8904-B-116	15
8904-B-117	5
8904-B-118	5
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
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RENO, NEVADA, U.S.A.

REPORT NUMBER: 890334 GA JOB NUMBER: 890334 BUNVEGAN EXPL. LTD

SAMPLE #	Au ppb
8904-B-119	5
8904-B-120	20
8904-B-121	5
8904-B-122	10

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
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BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: DUNVEGAN EXPLORATION LTD.
ADDRESS: 205 - 470 Granville St.
: Vancouver, B.C.
: V6C 1T2

DATE: AUGUST 14 1989
REPORT#: 890415 GA
JOB#: 890415

PROJECT#: 8904
SAMPLES ARRIVED: AUGUST 3 1989
REPORT COMPLETED: AUGUST 14 1989
ANALYSED FOR: Au ICP

INVOICE#: 890415 NA
TOTAL SAMPLES: 305
SAMPLE TYPE: 305 SOIL
REJECTS: DISCARDED

SAMPLES FROM: DUNVEGAN EXPLORATION LTD.
COPY SENT TO: WHITEHORSE/ALTA/VANCOUVER

PREPARED FOR: DUNVEGAN EXPLORATION LTD.

ANALYSED BY: VGC Staff

SIGNED: Jaime C. Wong

GENERAL REMARK: 8904 T131 : NO SAMPLE

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
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RENO, NEVADA, U.S.A.

REPORT NUMBER: 890415 GA JOB NUMBER: 890415 **DUNVEGAN EXPLORATION LTD.**

SAMPLE #	Au ppb
8904 B123	10
8904 B124	20
8904 B125	nd
8904 B126	nd
8904 B127	nd
8904 B128	10
8904 B129	15
8904 B130	10
8904 B131	20
8904 B132	10
8904 B133	5
8904 B134	10
8904 B135	20
8904 B136	15
8904 B137	5
8904 B138	5
8904 B139	10
8904 B140	5
8904 B141	nd
8904 B142	40
8904 B143	30
8904 B144	10
8904 B145	20
8904 B146	10
8904 B147	25
8904 B148	25
8904 B149	5
8904 B150	20
8904 B151	5
8904 B152	15
8904 B154	15
8904 B155	nd
8904 B156	15
8904 B157	nd
8904 B158	15
8904 B159	40
8904 B160	45
8904 B161	20
8904 B162	25
DETECTION LIMIT	5

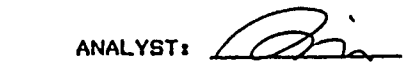
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Phs(604)251-5656 Faxs(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST: 

REPORT #: 890334 PA DUNVEGAN EXPL LTD. Proj: 8904 Date In: 89/07/17 Date Out:89/07/24 Att:

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
8904-B-01	0.4	1.57	16	167	<3	0.41	0.3	15	52	22	2.18	0.13	0.85	272	1	0.03	51	0.02	25	<2	2	32	<5	<3	53
8904-B-02	0.2	1.68	15	228	<3	0.41	0.8	17	64	18	2.01	0.12	0.58	350	1	0.02	170	0.04	20	<2	<2	25	<5	<3	71
8904-B-03	0.4	1.93	32	231	<3	0.47	0.9	22	74	24	2.42	0.14	0.83	395	1	0.02	254	0.04	29	<2	2	27	<5	<3	94
8904-B-04	0.2	1.60	17	193	<3	0.48	0.6	29	157	19	2.71	0.15	1.11	316	1	0.02	220	0.02	25	<2	2	26	<5	<3	54
8904-B-05	0.2	1.55	19	105	<3	0.39	1.2	32	257	15	3.43	0.16	1.61	288	2	0.02	214	0.03	26	<2	3	22	<5	<3	78
8904-B-06	0.2	1.58	25	163	<3	0.50	1.4	54	269	23	3.63	0.19	1.56	1130	2	0.02	224	0.05	32	<2	3	30	<5	<3	102
8904-B-07	0.2	1.76	31	170	3	0.39	2.1	56	530	20	5.03	0.21	3.81	614	2	0.01	338	0.03	31	<2	3	22	<5	<3	100
8904-B-08	0.1	1.58	22	214	<3	0.29	1.2	45	321	17	3.61	0.15	2.18	622	2	0.01	213	0.04	27	<2	2	20	<5	<3	72
8904-B-09	0.2	1.23	16	185	<3	0.32	0.9	30	220	14	2.71	0.13	1.35	471	1	0.01	160	0.05	22	<2	2	21	<5	<3	51
8904-B-10	0.2	1.72	21	138	<3	0.38	1.7	44	460	16	4.72	0.20	2.64	455	2	0.02	256	0.04	31	<2	3	19	<5	<3	100
8904-B-11	0.1	1.57	19	220	<3	0.43	1.1	44	279	17	3.05	0.16	2.11	674	2	0.01	177	0.06	26	<2	3	24	<5	<3	76
8904-B-12	0.3	1.77	10	243	<3	0.30	0.8	26	117	17	2.55	0.12	0.83	656	1	0.02	163	0.06	25	<2	2	19	<5	<3	114
8904-B-13	0.1	1.77	15	255	<3	0.22	0.9	36	227	14	2.84	0.12	2.07	535	1	0.01	209	0.04	25	<2	2	21	<5	<3	62
8904-B-14	0.2	1.24	17	196	<3	0.25	0.5	34	235	12	2.70	0.12	1.87	446	1	0.02	152	0.01	21	<2	3	19	<5	<3	40
8904-B-15	0.1	1.29	13	257	<3	0.40	0.4	17	108	10	2.15	0.12	0.73	338	1	0.02	77	0.03	21	<2	2	26	<5	<3	41
8904-B-16	0.5	1.29	12	158	<3	0.29	0.1	15	101	18	1.70	0.09	1.05	127	1	0.02	165	0.03	21	<2	2	22	<5	<3	50
8904-B-17	0.1	1.74	76	80	4	0.16	2.2	137	>1000	22	7.16	0.24	2.30	1504	3	0.02	1503	0.07	38	<2	4	12	<5	<3	81
8904-B-18	0.1	1.39	13	189	<3	0.39	0.1	12	48	20	1.94	0.12	0.42	348	1	0.02	46	0.03	21	<2	<2	29	<5	<3	55
8904-B-19	0.2	1.10	5	128	<3	1.44	0.1	8	23	9	1.50	0.26	0.30	254	1	0.02	13	0.02	18	<2	<2	111	<5	<3	62
8904-B-20	0.2	0.92	8	150	<3	3.64	0.3	10	35	47	1.26	0.60	0.71	473	<1	0.02	57	0.08	18	<2	<2	347	<5	<3	95
8904-B-21	0.1	0.20	5	30	<3	0.89	0.1	3	1	6	0.30	0.14	0.18	34	<1	0.02	8	0.02	7	<2	<2	90	<5	<3	22
8904-B-22	0.1	0.15	<3	36	<3	2.75	0.1	1	1	9	0.08	0.42	0.29	40	<1	0.01	3	0.02	5	<2	<2	200	<5	<3	20
8904-B-23	0.3	0.33	4	43	<3	1.40	0.1	4	4	14	0.44	0.22	0.26	160	<1	0.02	6	0.09	7	<2	<2	134	<5	<3	88
8904-B-24	0.1	0.14	3	75	<3	6.03	0.1	3	5	33	0.17	0.91	0.35	218	<1	0.01	20	0.06	9	<2	<2	377	<5	<3	53
8904-B-25	0.2	1.07	9	162	<3	0.33	0.1	9	38	12	1.46	0.09	0.36	108	1	0.02	28	0.01	17	<2	<2	25	<5	<3	24
8904-B-26	0.3	1.49	12	173	<3	0.48	0.4	27	128	17	2.47	0.15	0.84	194	1	0.02	280	0.01	26	<2	2	46	<5	<3	40
8904-B-27	0.2	0.33	9	191	<3	1.74	0.1	10	47	15	0.61	0.29	1.52	260	<1	0.01	124	0.05	9	<2	<2	195	<5	<3	58
8904-B-28	0.1	1.07	21	104	<3	0.45	0.9	31	291	12	2.85	0.16	2.09	353	2	0.01	266	0.02	22	<2	2	53	<5	<3	42
8904-B-29	0.2	0.97	17	171	<3	0.42	0.1	18	106	15	1.89	0.12	1.22	153	1	0.02	157	0.01	20	<2	2	30	<5	<3	20
8904-B-30	0.3	1.60	18	201	<3	0.28	0.4	19	142	16	2.43	0.11	1.01	335	1	0.02	117	0.02	24	<2	2	22	<5	<3	43
8904-B-31	0.2	1.96	38	333	3	0.27	0.7	37	232	13	3.26	0.14	1.02	384	2	0.02	477	0.02	27	<2	<2	22	<5	<3	69
8904-B-33	0.1	0.62	9	107	<3	1.03	0.5	5	17	36	0.82	0.18	1.43	111	<1	0.01	127	0.13	10	<2	<2	124	<5	<3	69
8904-B-34	0.1	0.90	9	90	<3	0.19	0.1	10	98	9	1.51	0.07	0.81	188	1	0.01	51	0.02	16	<2	<2	20	<5	<3	26
8904-B-35	0.2	0.65	15	84	<3	0.96	0.5	8	109	21	1.26	0.18	2.29	166	1	0.01	159	0.05	14	<2	2	76	<5	<3	33
8904-B-36	0.1	1.18	22	105	<3	0.78	0.7	15	102	19	3.70	0.23	0.60	891	2	0.02	89	0.04	30	<2	2	57	<5	<3	66
8904-B-37	0.1	1.44	15	145	<3	0.37	0.7	20	113	20	2.23	0.12	0.93	591	1	0.02	148	0.02	25	<2	<2	32	<5	<3	71
8904-B-38	0.2	0.79	19	73	<3	0.38	0.4	13	171	19	1.63	0.10	2.85	212	1	0.01	308	0.05	18	<2	2	27	<5	<3	31
8904-B-39	0.1	0.83	10	106	<3	0.50	0.2	53	154	20	1.81	0.13	0.99	233	1	0.01	341	0.02	15	<2	<2	45	<5	<3	29
8904-B-40	0.1	0.85	13	86	<3	0.33	0.3	31	181	15	1.88	0.10	1.46	309	1	0.01	232	0.03	16	<2	2	27	<5	<3	21
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
8904-B-41	0.1	0.74	13	131	<3	0.45	0.2	40	190	17	1.85	0.12	1.41	308	1	0.01	219	0.03	15	<2	2	42	<5	<3	24
8904-B-42	0.2	0.42	9	319	<3	4.32	0.2	14	273	333	1.01	0.68	1.92	130	1	0.02	2085	0.13	10	<2	2	342	<5	<3	47
8904-B-43	0.3	1.20	9	267	<3	2.59	1.1	23	162	60	1.56	0.44	2.16	416	1	0.01	1183	0.09	17	<2	2	180	<5	<3	184
8904-B-44	0.3	1.78	13	203	<3	0.87	1.1	50	372	36	3.20	0.23	2.95	842	2	0.01	512	0.04	22	<2	2	63	<5	<3	102
8904-B-45	0.4	1.95	27	191	<3	0.39	1.2	36	320	19	3.75	0.17	2.51	552	2	0.02	284	0.04	28	<2	3	35	<5	<3	92
8904-B-46	0.3	1.65	11	205	<3	0.31	1.1	32	171	22	2.78	0.13	1.36	693	2	0.02	221	0.03	25	<2	2	25	<5	<3	109
8904-B-47	0.3	1.67	22	245	<3	0.46	0.7	42	292	19	3.25	0.17	2.28	663	2	0.02	266	0.04	26	<2	3	30	<5	<3	78
8904-B-48	0.1	0.97	18	103	<3	0.87	1.2	76	569	15	3.63	0.24	7.82	572	1	0.01	905	0.02	19	<2	2	32	<5	<3	44
8904-B-49	0.5	1.35	15	86	<3	0.26	0.8	31	508	14	2.36	0.11	5.47	253	1	0.01	388	0.02	19	<2	4	18	<5	<3	35
8904-B-50	0.1	0.91	13	167	<3	0.20	0.7	34	258	11	2.69	0.11	1.93	604	2	0.01	168	0.01	18	<2	3	15	<5	<3	43
8904-B-51	0.2	1.74	14	195	<3	0.28	0.5	35	249	33	2.60	0.12	2.50	246	1	0.02	144	0.05	20	<2	8	18	<5	<3	54
8904-B-52	0.3	1.79	27	254	<3	0.31	1.5	95	769	24	4.86	0.20	4.37	1400	3	0.01	581	0.06	31	<2	3	37	<5	<3	113
8904-B-53	0.1	0.55	15	45	<3	0.22	0.6	126	>1000	14	4.87	0.18	>10.00	1074	<1	0.01	1381	0.01	15	<2	<2	30	<5	<3	39
8904-B-54	0.1	0.20	6	99	<3	0.93	0.1	9	24	12	0.29	0.15	1.06	45	<1	0.01	353	0.04	5	<2	<2	101	<5	<3	24
8904-B-55	0.2	0.08	<3	35	<3	1.77	0.1	1	2	19	0.07	0.27	0.17	102	<1	0.01	27	0.03	3	<2	<2	152	<5	<3	13
8904-B-56	0.3	1.23	13	189	<3	0.33	0.5	34	171	11	2.76	0.13	0.96	357	2	0.02	103	0.03	21	<2	3	22	<5	<3	69
8904-B-57	0.3	1.07	11	231	<3	0.37	0.3	20	157	14	1.97	0.11	0.95	374	1	0.02	100	0.05	18	<2	2	23	<5	<3	79
8904-B-58	0.4	1.15	12	173	<3	0.36	0.3	22	161	13	2.34	0.12	0.97	366	1	0.02	76	0.03	19	<2	3	20	<5	<3	54
8904-B-59	0.2	1.05	16	254	<3	0.32	0.7	36	207	16	2.62	0.13	0.98	851	1	0.02	181	0.05	20	<2	2	22	<5	<3	77
8904-B-60	0.3	1.50	21	275	<3	0.40	1.2	58	472	12	4.03	0.18	2.72	778	2	0.01	234	0.04	25	<2	3	23	<5	<3	90
8904-B-61	0.4	1.19	24	139	<3	0.41	1.4	58	522	14	4.12	0.19	2.58	1278	3	0.01	204	0.05	27	<2	4	18	<5	<3	97
8904-B-62	0.3	1.57	25	228	<3	0.42	1.2	55	557	18	4.10	0.19	3.47	840	2	0.01	275	0.06	27	<2	3	24	<5	<3	79
8904-B-63	0.3	1.06	19	149	<3	0.34	0.1	20	112	15	2.03	0.11	0.62	489	1	0.02	102	0.04	17	<2	2	25	<5	<3	42
8904-B-64	0.3	1.06	9	124	<3	0.28	0.1	15	126	11	1.90	0.10	0.82	230	1	0.02	73	0.02	16	<2	2	20	<5	<3	24
8904-B-65	0.3	1.07	12	208	<3	0.22	0.3	21	127	17	2.07	0.10	0.73	919	1	0.02	114	0.02	19	<2	2	17	<5	<3	38
8904-B-66	0.4	1.46	13	176	<3	0.27	0.6	31	244	15	2.76	0.12	1.47	514	1	0.02	121	0.02	22	<2	3	20	<5	<3	48
8904-B-67	0.2	1.40	18	229	<3	0.36	0.6	27	205	14	2.84	0.14	1.74	488	2	0.02	153	0.02	23	<2	3	25	<5	<3	39
8904-B-68	0.2	1.07	16	84	<3	0.22	0.5	37	224	10	2.52	0.11	1.71	429	1	0.01	149	0.01	18	<2	3	18	<5	<3	24
8904-B-69	0.3	2.45	17	143	<3	0.32	1.2	28	251	25	2.82	0.13	1.95	196	2	0.02	156	0.03	26	<2	5	54	<5	<3	70
8904-B-70	0.1	0.95	27	166	<3	0.43	3.5	85	852	20	4.74	0.21	3.31	1069	3	0.01	1022	0.06	23	<2	4	83	<5	<3	77
8904-B-71	0.2	1.40	36	302	3	0.25	1.5	82	877	20	4.96	0.19	7.07	950	3	0.01	668	0.05	28	<2	4	25	<5	<3	90
8904-B-72	0.4	1.72	29	185	<3	0.44	1.2	64	506	26	4.00	0.19	3.43	917	3	0.01	589	0.03	27	<2	4	32	<5	<3	83
8904-B-73	0.2	1.24	26	127	<3	0.23	1.4	63	442	14	4.31	0.17	1.51	830	2	0.02	265	0.08	25	<2	3	27	<5	<3	103
8904-B-74	0.1	0.93	25	116	<3	0.35	1.5	71	485	20	4.57	0.19	3.68	950	2	0.01	377	0.04	24	<2	4	38	<5	<3	47
8904-B-75	0.2	1.29	29	96	<3	0.25	1.2	64	464	13	3.59	0.15	3.29	814	2	0.01	296	0.04	24	<2	4	24	<5	<3	61
8904-B-76	0.2	0.91	32	57	<3	0.20	1.1	62	627	13	3.77	0.14	4.25	651	2	0.01	384	0.03	21	<2	3	18	<5	<3	39
8904-B-77	0.1	1.31	40	121	3	0.16	1.5	98	>1000	16	5.09	0.18	8.45	854	3	0.01	699	0.03	24	<2	3	13	<5	<3	59
8904-B-78	0.1	1.31	24	95	<3	0.21	1.4	81	713	19	3.71	0.15	7.18	968	2	0.01	447	0.03	23	<2	3	12	<5	<3	64
8904-B-79	0.2	0.88	10	220	<3	0.38	0.2	30	224	13	1.98	0.12	1.23	729	1	0.01	112	0.02	16	<2	3	22	<5	<3	53
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: 890334 PA DUNVEGAN EXPL LTD. Proj: 8904 Date In: 89/07/17 Date Out:89/07/24 Att: Page 3 of 4

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
8904-B-80	0.1	0.41	<3	137	<3	5.88	0.3	8	97	18	0.73	0.94	1.75	354	<1	0.01	183	0.10	9	<2	2	492	<5	<3	50
8904-B-81	0.2	0.34	<3	91	<3	4.41	0.3	13	371	42	1.13	0.73	4.86	260	<1	0.01	896	0.10	9	<2	2	454	<5	<3	36
8904-B-82	0.2	0.54	8	62	<3	2.07	0.5	24	572	56	1.92	0.39	5.78	200	1	0.01	1489	0.07	11	<2	3	297	<5	<3	65
8904-B-83	0.1	0.69	7	36	<3	0.38	0.3	85	>1000	17	3.50	0.16	>10.00	741	1	0.01	1107	0.02	13	<2	2	37	<5	<3	35
8904-B-84	0.1	0.57	<3	61	<3	0.15	0.1	27	238	16	1.38	0.06	1.55	313	1	0.01	175	0.04	13	<2	2	15	<5	<3	29
8904-B-85	0.1	1.33	35	122	3	0.31	0.9	61	737	25	3.11	0.14	7.54	798	2	0.01	617	0.05	19	<2	3	19	<5	<3	59
8904-B-86	0.1	0.38	<3	59	<3	0.92	0.3	5	37	13	0.50	0.17	1.42	173	<1	0.01	77	0.09	7	<2	2	233	<5	<3	44
8904-B-87	0.5	1.72	4	222	<3	4.25	0.6	13	52	42	2.29	0.73	2.16	405	1	0.02	88	0.08	22	<2	3	347	<5	<3	88
8904-B-88	0.1	0.05	<3	44	<3	5.01	0.1	1	1	8	0.08	0.78	0.44	113	<1	0.02	16	0.01	5	<2	<2	370	<5	<3	9
8904-B-89	0.1	0.13	<3	64	<3	2.96	0.1	1	2	12	0.13	0.48	0.65	75	<1	0.01	11	0.06	6	<2	<2	390	<5	<3	34
8904-B-90	0.1	0.63	<3	257	<3	0.34	0.1	9	12	20	1.05	0.08	0.21	755	<1	0.02	15	0.02	12	<2	2	42	<5	<3	61
8904-B-91	0.1	1.59	4	478	<3	0.47	1.6	19	27	43	3.49	0.18	0.42	1559	2	0.01	23	0.04	39	<2	2	57	<5	<3	247
8904-B-92	0.4	1.53	<3	275	<3	0.48	4.6	30	29	68	2.46	0.15	0.41	2745	2	0.01	47	0.07	30	<2	2	40	<5	<3	1270
8904-B-93	0.4	2.13	14	319	<3	0.88	1.8	22	46	84	2.82	0.22	0.90	1187	1	0.01	56	0.18	35	<2	2	84	<5	<3	258
8904-B-94	0.1	1.74	28	117	4	0.47	1.3	82	686	31	4.21	0.20	4.42	1253	2	0.01	821	0.06	29	<2	5	35	<5	<3	78
8904-B-95	0.1	0.77	35	86	4	0.17	1.2	105	963	19	4.06	0.15	6.79	986	2	0.01	1226	0.06	20	<2	4	22	<5	<3	51
8904-B-96	0.2	1.30	17	146	<3	0.37	0.8	30	358	34	2.51	0.13	4.76	342	2	0.01	684	0.05	20	<2	3	36	<5	<3	52
8904-B-97	0.1	0.84	6	182	<3	0.62	1.5	20	415	32	2.00	0.16	6.85	218	1	0.01	501	0.08	13	<2	3	78	<5	<3	57
8904-B-98	0.1	0.56	9	135	<3	0.61	0.5	45	465	16	1.91	0.15	6.24	610	1	0.01	490	0.04	12	<2	3	53	<5	<3	52
8904-B-99	0.1	1.05	16	90	3	0.53	1.3	67	796	14	3.78	0.19	4.92	711	2	0.01	313	0.02	21	<2	4	37	<5	<3	56
8904-B-100	0.2	0.10	<3	87	<3	9.07	0.1	4	6	12	0.27	1.42	0.74	176	2	0.01	79	0.04	9	<2	<2	704	<5	<3	28
8904-B-101	0.1	0.90	5	174	<3	5.49	0.1	9	46	29	1.42	0.89	1.21	223	<1	0.03	48	0.06	16	<2	2	372	<5	<3	45
8904-B-102	0.1	0.20	<3	145	<3	>10.00	0.1	2	5	28	0.42	1.99	1.54	231	<1	0.01	14	0.06	16	<2	<2	693	<5	<3	60
8904-B-103	0.5	1.02	<3	172	<3	0.35	0.5	12	24	18	1.75	0.11	0.32	956	1	0.01	22	0.03	20	<2	3	31	<5	<3	141
8904-B-104	0.1	1.39	<3	136	<3	0.26	0.1	13	29	16	1.83	0.09	0.41	472	1	0.02	21	0.02	20	<2	2	41	<5	<3	89
8904-B-105	0.1	1.35	12	274	<3	0.28	0.5	9	23	18	2.48	0.11	0.32	217	1	0.01	24	0.04	22	<2	<2	27	<5	<3	65
8904-B-106	0.4	1.25	<3	340	<3	0.80	0.9	15	26	36	2.05	0.19	0.43	1677	1	0.01	32	0.11	22	<2	3	54	<5	<3	304
8904-B-107	0.1	1.00	45	344	<3	0.35	0.9	15	17	38	3.23	0.15	0.25	1266	1	0.01	21	0.05	25	<2	2	42	<5	<3	148
8904-B-108	0.1	1.12	258	236	<3	0.54	0.5	20	26	35	4.27	0.21	0.40	868	2	0.01	36	0.06	32	<2	3	59	<5	<3	114
8904-B-109	0.4	1.10	5	241	<3	1.94	0.1	11	37	32	1.65	0.34	1.32	447	1	0.03	49	0.07	18	<2	3	96	<5	<3	60
8904-B-110	0.2	1.96	19	271	<3	0.31	1.1	27	145	42	2.86	0.13	2.08	573	2	0.01	174	0.04	25	<2	3	45	<5	<3	77
8904-B-111	0.5	1.82	18	179	<3	0.32	0.5	25	139	39	2.73	0.13	2.05	464	2	0.03	266	0.03	24	<2	4	31	<5	<3	61
8904-B-112	0.4	1.63	6	227	<3	0.79	0.4	14	59	44	2.21	0.19	1.94	469	1	0.02	109	0.05	22	<2	4	76	<5	<3	70
8904-B-113	0.5	1.34	9	232	<3	1.39	0.6	10	58	35	1.88	0.27	2.41	304	1	0.02	72	0.07	19	<2	3	126	<5	<3	65
8904-B-114	0.1	1.36	10	125	<3	0.25	0.6	27	107	24	2.12	0.10	1.26	690	1	0.01	87	0.04	21	<2	3	27	<5	<3	48
8904-B-115	0.1	1.23	6	192	<3	0.47	0.1	12	66	33	1.76	0.12	1.34	288	1	0.02	119	0.06	15	<2	3	63	<5	<3	50
8904-B-116	0.5	2.39	10	301	<3	0.25	1.1	19	73	49	2.89	0.12	1.51	576	2	0.02	82	0.04	28	<2	3	36	<5	<3	83
8904-B-117	0.1	1.64	3	223	<3	0.33	0.6	20	123	36	2.22	0.12	1.24	494	1	0.01	137	0.03	19	<2	2	35	<5	<3	70
8904-B-118	0.5	1.73	7	279	<3	0.56	0.5	15	64	36	2.32	0.15	1.29	413	1	0.04	102	0.05	23	<2	3	40	<5	<3	60
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: 890334 PA CONVEGAN EXPL (1D). Proj: 8904 Date In: 89/07/17 Date Out:89/07/24 Att: Page 4 of 4

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
8904-B-119	0.1	1.46	15	200	<3	0.30	0.2	28	192	31	2.25	0.11	1.96	520	1	0.01	375	0.03	18	<2	2	36	<5	<3	50
8904-B-120	0.3	1.05	43	134	3	0.24	1.2	85	808	23	4.24	0.17	8.92	1015	2	0.01	612	0.06	26	<2	3	37	<5	<3	78
8904-B-121	0.4	1.10	16	239	<3	0.29	0.2	20	36	22	1.98	0.11	0.41	1196	1	0.02	54	0.04	23	<2	2	29	<5	<3	129
8904-B-122	0.4	1.51	26	301	<3	0.32	0.7	19	21	31	2.94	0.14	0.41	1217	2	0.02	28	0.09	33	<2	<2	38	<5	<3	140
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

VANGEOCHEM LAB LIMITED

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890415 PA | DUNVEGAN EXPL LTD | Proj: 8904 | Date In: 89/08/03 | Date Out:89/08/16 | Att: W TAYLOR | Page 1 of 8

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
8904 B123	0.4	1.39	21	158	<3	0.39	1.2	34	332	17	3.28	0.16	1.62	388	1	0.02	137	0.03	18	<2	4	21	<5	<3	45
8904 B124	0.1	2.46	60	365	<3	0.61	1.5	85	415	27	4.77	0.24	3.24	896	3	0.02	715	0.16	34	<2	5	50	<5	<3	108
8904 B125	0.3	1.76	21	407	<3	0.43	1.1	41	213	23	3.51	0.17	1.33	717	1	0.02	207	0.06	21	<2	5	33	<5	<3	103
8904 B126	0.1	1.74	28	262	<3	0.54	1.1	54	363	24	3.79	0.20	2.36	1040	2	0.02	312	0.06	23	<2	5	37	<5	<3	100
8904 B127	0.1	1.25	11	463	<3	0.61	0.3	27	144	31	2.33	0.16	1.08	963	<1	0.01	171	0.06	12	<2	4	45	<5	<3	60
8904 B128	0.3	1.89	17	305	<3	0.46	0.6	29	185	31	3.01	0.16	1.40	649	1	0.02	173	0.06	20	<2	4	32	<5	<3	71
8904 B129	0.3	1.85	67	465	<3	0.55	1.1	33	226	31	3.93	0.21	1.51	1191	2	0.02	167	0.13	28	<2	4	35	<5	<3	123
8904 B130	0.2	2.13	12	459	<3	0.51	0.7	22	87	34	2.94	0.17	0.82	784	1	0.02	155	0.15	26	<2	3	32	<5	<3	206
8904 B131	0.1	1.53	23	202	<3	0.50	1.2	34	427	25	4.13	0.20	2.74	626	2	0.02	179	0.07	23	<2	4	27	<5	<3	80
8904 B132	0.1	1.69	16	338	<3	0.67	0.7	25	147	52	3.14	0.20	1.09	1060	1	0.02	128	0.06	24	<2	4	78	<5	<3	133
8904 B133	0.2	2.55	30	256	<3	0.71	3.8	79	386	74	4.04	0.24	2.45	1953	3	0.02	620	0.09	28	<2	4	128	<5	<3	375
8904 B134	0.5	2.38	15	436	<3	0.67	1.4	28	76	34	3.16	0.20	0.92	1030	2	0.02	114	0.11	27	<2	4	52	<5	<3	223
8904 B135	0.1	2.44	12	404	<3	0.58	0.6	21	67	26	2.97	0.18	0.89	720	2	0.02	78	0.08	29	<2	3	41	<5	<3	172
8904 B136	0.1	2.20	24	260	<3	0.72	0.6	27	100	31	3.15	0.21	1.25	698	2	0.01	116	0.08	28	<2	3	61	<5	<3	110
8904 B137	0.3	2.86	34	276	<3	0.54	1.1	35	133	34	4.21	0.22	1.31	1163	2	0.02	150	0.10	39	<2	4	58	<5	<3	240
8904 B138	0.1	2.13	22	235	<3	0.53	0.7	25	99	34	3.35	0.19	1.26	759	2	0.02	116	0.07	34	<2	3	56	<5	<3	155
8904 B139	0.3	1.90	49	192	<3	0.62	1.1	40	397	46	3.43	0.20	6.21	485	2	0.02	964	0.08	24	<2	4	47	<5	<3	88
8904 B140	0.1	1.49	51	140	<3	0.29	0.5	134	535	18	3.82	0.16	1.79	643	1	0.01	922	0.03	19	<2	4	34	<5	<3	48
8904 B141	0.2	1.54	16	201	<3	0.39	0.3	31	173	37	2.46	0.14	1.02	645	1	0.02	308	0.08	18	<2	4	51	<5	<3	307
8904 B142	0.2	1.65	39	169	3	0.54	1.7	81	972	31	5.57	0.26	5.58	829	2	0.01	603	0.05	24	<2	6	70	<5	<3	127
8904 B143	0.1	1.78	16	322	<3	0.50	1.7	23	72	47	3.18	0.18	0.58	1340	2	0.01	58	0.07	27	<2	2	62	<5	<3	174
8904 B144	0.2	2.31	32	155	<3	4.35	1.7	22	56	109	3.45	0.75	2.01	942	2	0.02	110	0.18	35	<2	3	313	<5	<3	288
8904 B145	0.4	2.50	26	233	<3	0.59	1.2	24	44	33	3.88	0.21	1.37	670	2	0.02	61	0.13	36	<2	5	63	<5	<3	292
8904 B146	0.1	2.03	16	229	<3	0.39	0.2	20	59	25	2.78	0.15	0.87	620	1	0.02	54	0.04	24	<2	4	42	<5	<3	127
8904 B147	0.5	3.04	21	704	<3	0.64	1.2	46	179	72	4.08	0.23	1.20	2922	2	0.03	256	0.14	31	<2	3	67	<5	<3	588
8904 B148	0.1	2.99	50	543	<3	0.62	0.5	21	104	25	4.23	0.23	0.98	568	2	0.02	89	0.04	28	<2	2	56	<5	<3	128
8904 B149	0.4	2.19	37	324	<3	0.40	0.1	20	116	19	3.19	0.16	0.69	560	2	0.02	115	0.03	24	<2	3	36	<5	<3	80
8904 B150	0.4	2.43	29	304	<3	0.28	0.2	16	88	33	2.91	0.13	1.36	485	1	0.02	56	0.05	29	<2	3	37	<5	<3	87
8904 B151	0.3	1.81	29	221	<3	0.25	0.1	13	91	21	2.62	0.12	1.16	391	1	0.02	46	0.05	27	<2	4	31	<5	<3	75
8904 B152	0.3	2.35	22	372	<3	0.42	0.7	15	80	44	2.90	0.16	1.85	404	1	0.02	71	0.04	26	<2	3	86	<5	<3	139
8904 B154	0.4	2.45	17	385	<3	0.63	1.5	26	64	34	3.46	0.21	0.72	2219	3	0.02	60	0.06	35	<2	3	53	<5	<3	505
8904 B155	0.3	4.30	24	417	<3	0.50	1.1	18	57	32	3.73	0.19	1.27	945	2	0.02	33	0.06	35	<2	2	66	<5	<3	215
8904 B156	0.1	0.37	<3	125	<3	9.63	0.1	1	2	24	0.25	1.44	1.24	210	<1	0.01	18	0.15	6	<2	2	962	<5	<3	30
8904 B157	0.1	0.78	3	190	<3	>10.00	0.1	5	25	21	0.93	1.69	1.23	292	<1	0.01	35	0.13	14	<2	<2	1029	<5	<3	78
8904 B158	0.1	0.33	<3	123	<3	7.06	0.6	3	2	20	0.22	1.08	1.63	139	<1	0.01	25	0.22	4	<2	2	977	<5	<3	104
8904 B159	0.5	2.99	20	772	<3	1.40	1.2	17	92	84	3.36	0.33	3.14	307	1	0.02	96	0.12	28	<2	5	344	<5	<3	133
8904 B160	0.2	2.09	27	530	<3	0.69	1.1	21	105	28	3.45	0.22	0.75	1796	1	0.02	84	0.06	24	<2	3	79	<5	<3	147
8904 B161	0.4	2.51	28	372	<3	0.62	0.7	19	72	40	3.21	0.19	0.95	574	1	0.02	72	0.07	26	<2	5	63	<5	<3	81
8904 B162	0.4	2.36	11	586	<3	0.69	0.3	18	62	53	3.06	0.20	0.85	908	1	0.02	72	0.13	26	<2	4	62	<5	<3	158
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

PHIL Claims

Soil and Silt Geochemistry

VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: **DUNVEGAN EXPLORATION LTD.**
ADDRESS: 205 - 470 Granville St.
: Vancouver, B.C.
: V6C 1T2

DATE: AUGUST 8 1989
REPORT#: 890400 GA
JOB#: 890400

PROJECT#: 8904
SAMPLES ARRIVED: AUGUST 1 1989
REPORT COMPLETED: AUGUST 8 1989
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 890400 NA
TOTAL SAMPLES: 2
SAMPLE TYPE: 2 SOIL
REJECTS: DISCARDED

SAMPLES FROM: WHITEHORSE
COPY SENT TO: WHITEHORSE/ALTA/VANCOUVER

PREPARED FOR: MR. WILLIAM TAYLOR

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

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RENO, NEVADA, U.S.A.

REPORT NUMBER: 890400 GA JOB NUMBER: 890400 **DUNVEGAN EXPLORATION LTD.**

SAMPLE #	Au ppb
8904-P6	30
8904-P8	1630

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

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RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: DUNVEGAN EXPLORATION LTD.
ADDRESS: 205 - 470 Granville St.
: Vancouver, B.C.
: V6C 1T2

DATE: AUGUST 9 1989
REPORT#: 890399 GA
JOB#: 890399

PROJECT#: 8904
SAMPLES ARRIVED: AUGUST 1 1989
REPORT COMPLETED: AUGUST 9 1989
ANALYSED FOR: Au ICP

INVOICE#: 890399 NA
TOTAL SAMPLES: 102
SAMPLE TYPE: 102 SOIL
REJECTS: DISCARDED

SAMPLES FROM: W. TAYLOR
COPY SENT TO: WHITEHORSE/ALTA/VANCOUVER

PREPARED FOR: W. TAYLOR

ANALYSED BY: VGC Staff

SIGNED: Jaime C. Wong

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
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BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 890399 GA JOB NUMBER: 890399 **DONVEGAN EXPLORATION LTD.**

SAMPLE #	Au ppb
8904-P1	15
8904-P2	15
8904-P3	5
8904-P4	10
8904-P5	20
8904-P7	15

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890399 PA | DUNVEGAN RES | Proj: 8904 | Date In: 89/08/01 | Date Out:89/08/11 | Att: W TAYLOR | Page 1 of 3

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
8904-P1	0.2	1.05	<3	146	<3	0.33	0.6	10	55	16	1.45	0.01	0.41	391	<1	0.01	38	0.03	16	<2	3	15	<5	<3	52
8904-P2	0.2	1.40	<3	171	<3	0.39	0.3	11	66	17	1.75	0.11	0.63	270	<1	0.02	49	0.04	14	<2	4	18	<5	<3	58
8904-P3	0.1	1.24	<3	131	<3	0.33	0.1	9	56	16	1.61	0.09	0.56	199	<1	0.02	38	0.02	13	<2	3	16	<5	<3	42
8904-P4	0.2	0.82	<3	154	<3	0.24	0.1	9	17	15	0.88	0.01	0.19	888	<1	0.01	33	0.04	8	<2	<2	14	<5	<3	45
8904-P5	0.3	0.90	8	273	<3	2.05	1.1	12	81	39	2.91	0.01	1.02	1759	1	0.02	168	0.12	14	<2	3	100	<5	<3	79
8904-P7	0.1	1.28	7	187	<3	0.94	0.6	12	72	30	2.53	0.01	1.09	413	1	0.02	49	0.08	19	<2	4	50	<5	<3	71
8904-T5	0.1	1.43	20	150	<3	0.24	0.1	13	84	19	1.98	0.09	0.73	244	1	0.02	62	0.02	16	<2	4	18	<5	<3	41
8904-T6	0.2	2.03	6	353	<3	0.46	0.3	14	54	36	2.39	0.14	0.77	405	1	0.02	55	0.04	20	<2	3	33	<5	<3	64

VANGEOCHEM LAB LIMITED
1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890400 PA | DUNVEGAN RES | Proj: 8904 | Date In: 89/08/01 | Date Out:89/08/04 | Att: W TAYLOR | Page 1 of 1

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
8904-P6	0.2	1.98	15	134	<3	1.02	0.6	19	187	85	2.89	0.24	1.70	413	2	0.02	155	0.05	32	<2	7	31	<5	<3	65
8904-P8	0.2	1.93	24	142	3	1.04	1.1	22	254	53	4.76	0.30	1.62	454	2	0.03	96	0.06	30	<2	9	31	<5	<3	58
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

VANGEOCHEM LAB LIMITED
1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890400 PA DUNVEGAN RES Proj: 8904 Date In: 89/08/01 Date Out:89/08/04 Att: W TAYLOR

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
8904-P6	0.2	1.98	15	134	<3	1.02	0.6	19	187	85	2.89	0.24	1.70	413	2	0.02	155	0.05	32	<2	7	31	<5	<3	65
8904-P8	0.2	1.93	24	142	3	1.04	1.1	22	254	53	4.76	0.30	1.62	454	2	0.03	96	0.06	30	<2	9	31	<5	<3	58
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

TOG Claims

Rock Geochemistry

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
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● FAX (604) 254-5717

BRANCH OFFICES
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BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

ASSAY ANALYTICAL REPORT

CLIENT: DUNVEGAN EXPLORATION LTD.
ADDRESS: C/O 205 - 470 Granville St.
: Vancouver, BC
: V6C 1T2

DATE: AUGUST 22 1989
REPORT#: 890421 AA
JOB#: 890421

PROJECT#: 8904
SAMPLES ARRIVED: AUGUST 8 1989
REPORT COMPLETED: AUGUST 22 1989
ANALYSED FOR: Au

INVOICE#: 890421 NB
TOTAL SAMPLES: 2
REJECTS/PULPS: 90 DAYS/1 YR
SAMPLE TYPE: 2 ROCK

SAMPLES FROM: W. TAYLOR
COPY SENT TO: WHITEHORSE/ALTA/VANCOUVER

PREPARED FOR: DUNVEGAN EXPLORATION LTD.

ANALYSED BY: Raymond Chan

SIGNED: _____
Registered Provincial Assayer

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
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BRANCH OFFICES
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RENO, NEVADA, U.S.A.

REPORT NUMBER: 890421 AA JOB NUMBER: 890421 **DUNVEGAN EXPLORATION LTD.**

SAMPLE #	Au oz/st
25702	.377
25704	.335

DETECTION LIMIT .005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VGC VANGEOCHEM LAB LIMITED

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ASSAY ANALYTICAL REPORT

CLIENT: **DUNVEGAN EXPL. LTD**
ADDRESS: C/O 205 - 470 Granville St.
: Vancouver, B.C.
: V6C 1T2

DATE: AUGUST 21 1989
REPORT#: **890422A MB**
JOB#: 890422A

PROJECT#: 8904
SAMPLES ARRIVED: AUGUST 18 1989
REPORT COMPLETED: AUGUST 21 1989
ANALYSED FOR: Metallic Au

INVOICE#: 890422A NB
TOTAL SAMPLES: 2
REJECTS/PULPS: 90 DAYS/1 YR
SAMPLE TYPE: 1 ROCK

SAMPLES FROM: W. TAYLOR
COPY SENT TO: WHITEHORSE/ALTA/VANCOUVER

PREPARED FOR: DUNVEGAN EXPL. LTD

ANALYSED BY: Raymond Chan

SIGNED: Raymond Chan
Registered Provincial Assayer

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

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REPORT #: 890422A MB DUNVEGAN EXPL. LTD.

Sample Number		Weight (gm)	Au (mg)	Au (oz/st)
25743	TOTAL	362.09	--	0.190
25743	+150	12.39	0.224	--
25743	-150	349.70	--	0.178

Minimum Detection	0.01	0.001	0.005
Maximum Detection	10000.00	1000.000	1000.000

< = Below Limit is = Insufficient Sample ns = No sample > = Over Limit

VGC VANGEOCHEM LAB LIMITED

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ASSAY ANALYTICAL REPORT

CLIENT: DUNVEGAN EXPLORATION LTD.
ADDRESS: 205 - 470 Granville St.
: Vancouver, B.C.
: V6C 1T2

DATE: AUGUST 15 1989
REPORT#: 890454 AA
JOB#: 890454

PROJECT#: 8904
SAMPLES ARRIVED: AUGUST 14 1989
REPORT COMPLETED: AUGUST 15 1989
ANALYSED FOR: Metallic Au

INVOICE#: 890454 NA
TOTAL SAMPLES: 2
REJECTS/PULPS: 90 DAYS/1 YR
SAMPLE TYPE: 1 ROCK

SAMPLES FROM: W. TAYLOR
COPY SENT TO: WHITEHORSE/ALTA/VANCOUVER

PREPARED FOR: DUNVEGAN EXPLORATION LTD.

ANALYSED BY: Raymond Chan

SIGNED: _____
Registered Provincial Assayer

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

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REPORT #: 890454 MA DUNVEGAN EXPL

Sample Number		Weight (gm)	Au (mg)	Au (oz/st)
25864	TOTAL	113.84	--	0.155
25864	+150	3.34	0.143	--
25864	-150	110.50	--	0.122

Minimum Detection	0.01	0.001	0.005
Maximum Detection	10000.00	1000.000	1000.000

< = Below Limit is = Insufficient Sample ns = No sample > = Over Limit

VGC VANGEOCHEM LAB LIMITED

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FAX (604) 254-5717

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ASSAY ANALYTICAL REPORT

CLIENT: DUNVEGAN EXPLORATION LTD.
ADDRESS: 205 - 470 Granville St.
: Vancouver, B.C.
: V6C 1T2

DATE: AUGUST 11 1989
REPORT#: 890422 MA
JOB#: 890422

PROJECT#: 8904
SAMPLES ARRIVED: AUGUST 8 1989
REPORT COMPLETED: AUGUST 11 1989
ANALYSED FOR: Metallic Au

INVOICE#: 890422 NA
TOTAL SAMPLES: 62
REJECTS/PULPS: 90 DAYS/1 YR
SAMPLE TYPE: 31 ROCK

SAMPLES FROM: W. TAYLOR
COPY SENT TO: WHITEHORSE/ALTA/VANCOUVER

PREPARED FOR: DUNVEGAN EXPLORATION LTD.

ANALYSED BY: Raymond Chan

SIGNED: Raymond Chan

Registered Provincial Assayer

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
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VANCOUVER, B.C. V5L 1K5
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BRANCH OFFICES
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REPORT #: 890422 MA DUNVEGAN EXPL

Sample Number		Weight (gm)	Au (mg)	Au (oz/st)
25639	TOTAL	226.81	--	<0.005
25639	+150	4.81	<0.001	--
25639	-150	222.00	--	<0.005
25641	TOTAL	224.08	--	0.030
25641	+150	8.08	0.021	--
25641	-150	216.00	--	0.028
25642	TOTAL	219.42	--	0.012
25642	+150	6.42	0.009	--
25642	-150	213.00	--	0.011
25643	TOTAL	228.53	--	0.066
25643	+150	8.83	0.220	--
25643	-150	219.70	--	0.040
25701	TOTAL	242.16	--	0.719
25701	+150	7.16	0.908	--
25701	-150	235.00	--	0.628
25703	TOTAL	227.05	--	0.220
25703	+150	6.65	0.926	--
25703	-150	220.40	--	0.104
25705	TOTAL	225.01	--	0.554
25705	+150	4.51	1.145	--
25705	-150	220.50	--	0.414
25707	TOTAL	227.36	--	<0.005
25707	+150	7.86	<0.001	--
25707	-150	219.50	--	<0.005
25736	TOTAL	216.29	--	0.120
25736	+150	5.69	0.140	--
25736	-150	210.60	--	0.104
25737	TOTAL	226.45	--	0.033
25737	+150	5.25	0.029	--
25737	-150	221.20	--	0.030
25738	TOTAL	217.42	--	<0.005
25738	+150	6.42	0.002	--
25738	-150	211.00	--	<0.005
Minimum Detection		0.01	0.001	0.005
Maximum Detection		10000.00	1000.000	1000.000

< = Below Limit is = Insufficient Sample ns = No sample > = Over Limit

VGC VANGEOCHEM LAB LIMITED

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REPORT #: 890422 MA DUNVEGAN EXPL

Sample Number		Weight (gm)	Au (mg)	Au (oz/st)
25739	TOTAL	215.08	--	<0.005
25739	+150	5.48	0.005	--
25739	-150	209.60	--	<0.005
25740	TOTAL	225.94	--	0.006
25740	+150	6.34	0.005	--
25740	-150	219.60	--	0.005
25741	TOTAL	240.62	--	0.009
25741	+150	5.62	0.008	--
25741	-150	235.00	--	0.008
25742	TOTAL	228.05	--	<0.005
25742	+150	6.75	<0.001	--
25742	-150	221.30	--	<0.005
25743	TOTAL	229.87	--	0.192
25743	+150	8.17	0.243	--
25743	-150	221.70	--	0.167
25744	TOTAL	233.86	--	<0.005
25744	+150	8.36	<0.001	--
25744	-150	225.50	--	<0.005
25745	TOTAL	237.40	--	0.192
25745	+150	7.40	0.311	--
25745	-150	230.00	--	0.159
25746	TOTAL	237.49	--	<0.005
25746	+150	5.79	<0.001	--
25746	-150	231.70	--	<0.005
25747	TOTAL	234.89	--	41.482
25747	+150	7.79	175.050	--
25747	-150	227.10	--	20.423
25851	TOTAL	239.87	--	1.920
25851	+150	7.87	9.230	--
25851	-150	232.00	--	0.825
25852	TOTAL	241.46	--	0.158
25852	+150	7.66	0.218	--
25852	-150	233.80	--	0.136
Minimum Detection		0.01	0.001	0.005
Maximum Detection		10000.00	1000.000	1000.000

< = Below Limit is = Insufficient Sample ns = No sample > = Over Limit

VGC VANGEOCHEM LAB LIMITED

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ASSAY ANALYTICAL REPORT

CLIENT:	**DUNVEGAN EXPLORATION LTD.**	DATE:	AUGUST 8 1989
ADDRESS:	205 - 470 Granville St.		
:	Vancouver, B.C.	**REPORT#:**	**890410 AA**
:	V6C 1T2	JOB#:	890410
PROJECT#:	FILE #8839557	INVOICE#:	890410 NA
SAMPLES ARRIVED:	AUGUST 3 1989	TOTAL SAMPLES:	3
REPORT COMPLETED:	AUGUST 8 1989	REJECTS/PULPS:	90 DAYS/1 YR
ANALYSED FOR:	Metallic Au	SAMPLE TYPE:	3 ROCK

SAMPLES FROM: DUNVEGAN EXPLORATION LTD.
COPY SENT TO: WHITEHORSE/ALTA/VANCOUVER

PREPARED FOR: DUNVEGAN EXPLORATION LTD.

ANALYSED BY: Raymond Chan

SIGNED: Raymond Chan

Registered Provincial Assayer

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
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REPORT #: 890410 MA DUNVEGAN EXPL

Sample Number		Weight (gm)	Au (mg)	Au (oz/st)
RC-89001	TOTAL	261.07	--	1.189
RC-89001	+150	9.57	3.096	--
RC-89001	-150	251.50	--	0.875
RC-89002	TOTAL	144.64	--	7.503
RC-89002	+150	5.64	11.989	--
RC-89002	-150	139.00	--	5.292
RC-89003	TOTAL	330.95	--	10.182
RC-89003	+150	10.95	13.945	--
RC-89003	-150	320.00	--	9.259

Minimum Detection	0.01	0.001	0.005
Maximum Detection	10000.00	1000.000	1000.000

< = Below Limit is = Insufficient Sample ns = No sample > = Over Limit

VGC VANGEOCHEM LAB LIMITED

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ASSAY ANALYTICAL REPORT

CLIENT: **DUNVEGAN EXPL. LTD**
ADDRESS: C/O 205 - 470 Granville St.
: Vancouver, B.C.
: V6C 1T2

DATE: AUGUST 21 1989
REPORT#: **890383A MB**
JOB#: 890383A

PROJECT#: 8904
SAMPLES ARRIVED: AUGUST 18 1989
REPORT COMPLETED: AUGUST 21 1989
ANALYSED FOR: Metallic Au

INVOICE#: 890383A **NC**
TOTAL SAMPLES: 4
REJECTS/PULPS: 90 DAYS/1 YR
SAMPLE TYPE: 2 ROCK

SAMPLES FROM: WHITEHORSE
COPY SENT TO: WHITEHORSE/ALTA/VANCOUVER

PREPARED FOR: DUNVEGAN EXPL. LTD

ANALYSED BY: Raymond Chan

SIGNED: Raymond Chan

Registered Provincial Assayer

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
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BRANCH OFFICES
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REPORT #: 890383A MB DUNVEGAN RES LTD

Sample Number		Weight (gm)	Au (mg)	Au (oz/st)
25820	TOTAL	139.92	--	0.036
25820	+150	4.62	0.021	--
25820	-150	135.30	--	0.033
25822	TOTAL	126.63	--	0.023
25822	+150	4.93	0.017	--
25822	-150	121.70	--	0.020

Minimum Detection	0.01	0.001	0.005
Maximum Detection	10000.00	1000.000	1000.000

< = Below Limit is = Insufficient Sample ns = No sample > = Over Limit

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
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● FAX (604) 254-5717

BRANCH OFFICES
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MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

ASSAY ANALYTICAL REPORT

CLIENT: DUNVEGAN EXPL. LTD
ADDRESS: C/O 205 - 470 Granville St.
: Vancouver, B.C.
: V6C 1T2

DATE: AUGUST 21 1989
REPORT#: 890383 MA
JOB#: 890383

PROJECT#: 8904
SAMPLES ARRIVED: AUGUST 18 1989
REPORT COMPLETED: AUGUST 21 1989
ANALYSED FOR: Metallic Au

INVOICE#: 890383 NA
TOTAL SAMPLES: 4
REJECTS/PULPS: 90 DAYS/1 YR
SAMPLE TYPE: 4 ROCK

SAMPLES FROM: WHITEHORSE
COPY SENT TO: WHITEHORSE/ALTA/VANCOUVER

PREPARED FOR: DUNVEGAN EXPL. LTD

ANALYSED BY: Raymond Chan

SIGNED: Raymond Chan

Registered Provincial Assayer

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

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REPORT #: 890383 MA DUNVEGAN EXPLORATION LTD.

Sample	Number	Weight (gm)	Au (mg)	Au (oz/st)
25815	TOTAL	260.61	--	<0.005
25815	+150	6.81	<0.001	--
25815	-150	253.80	--	<0.005
25816	TOTAL	256.44	--	<0.005
25816	+150	6.44	<0.001	--
25816	-150	250.00	--	<0.005
25820	TOTAL	243.02	--	<0.005
25820	+150	7.52	<0.001	--
25820	-150	235.50	--	<0.005
25821	TOTAL	269.71	--	1.412
25821	+150	7.71	3.411	--
25821	-150	262.00	--	1.074
25822	TOTAL	259.74	--	<0.005
25822	+150	5.74	<0.001	--
25822	-150	254.00	--	<0.005

Minimum Detection	0.01	0.001	0.005
Maximum Detection	10000.00	1000.000	1000.000

< = Below Limit is = Insufficient Sample ns = No sample > = Over Limit

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
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BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

ASSAY ANALYTICAL REPORT

CLIENT: DUNVEGAN EXPL. LTD DATE: JULY 26 1989
ADDRESS: C/O 205 - 470 Granville St.
: Vancouver, B.C. **REPORT#: 890358 MA**
: V6C 1T2 JOB#: 890358

PROJECT#: 8904 INVOICE#: 890358 NA
SAMPLES ARRIVED: JULY 21 1989 TOTAL SAMPLES: 33
REPORT COMPLETED: JULY 26 1989 REJECTS/PULPS: 90 DAYS/1 YR
ANALYSED FOR: Metallic Au SAMPLE TYPE: 33 ROCK

SAMPLES FROM: W. TAYLOR
COPY SENT TO: WHITEHORSE/ALTA/VANCOUVER

PREPARED FOR: DUNVEGAN EXPL. LTD

ANALYSED BY: Raymond Chan

SIGNED: Raymond Chan

Registered Provincial Assayer

GENERAL REMARK: ICP REPORT WILL FOLLOW.

VGC VANGEOCHEM LAB LIMITED

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REPORT #: 890358 MA **DUNVEGAN EXPL. LTD**

Sample	Number	Weight (gm)	Au (mg)	Au (oz/st)
25601	TOTAL	248.54	--	<0.005
25601	+150	12.04	<0.001	--
25601	-150	236.50	--	<0.005
25602	TOTAL	189.87	--	<0.005
25602	+150	7.87	<0.001	--
25602	-150	182.00	--	<0.005
25603	TOTAL	129.31	--	0.010
25603	+150	10.31	0.002	--
25603	-150	119.00	--	0.010
25604	TOTAL	267.83	--	<0.005
25604	+150	11.83	<0.001	--
25604	-150	256.00	--	<0.005
25605	TOTAL	271.07	--	<0.005
25605	+150	12.07	<0.001	--
25605	-150	259.00	--	<0.005
25606	TOTAL	258.92	--	<0.005
25606	+150	8.92	<0.001	--
25606	-150	250.00	--	<0.005
25607	TOTAL	258.02	--	<0.005
25607	+150	6.22	<0.001	--
25607	-150	251.80	--	<0.005
25608	TOTAL	269.97	--	0.006
25608	+150	11.47	0.002	--
25608	-150	258.50	--	0.006
25609	TOTAL	220.30	--	0.087
25609	+150	10.30	0.214	--
25609	-150	210.00	--	0.062
25610	TOTAL	277.86	--	0.008
25610	+150	8.36	0.002	--
25610	-150	269.50	--	0.008
25611	TOTAL	276.73	--	<0.005
25611	+150	4.53	<0.001	--
25611	-150	272.20	--	<0.005
Minimum Detection		0.01	0.001	0.005
Maximum Detection		10000.00	1000.000	1000.000

< = Below Limit is = Insufficient Sample ns = No sample > = Over Limit

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REPORT #: 890358 MA DUNVEGAN EXPL. LTD

Sample	Number	Weight (gm)	Au (mg)	Au (oz/st)
25612	TOTAL	187.72	--	<0.005
25612	+150	12.12	<0.001	--
25612	-150	175.60	--	<0.005
25613	TOTAL	313.71	--	<0.005
25613	+150	4.51	<0.001	--
25613	-150	309.20	--	<0.005
25614	TOTAL	292.18	--	0.013
25614	+150	5.58	0.036	--
25614	-150	286.60	--	0.010
25615	TOTAL	275.74	--	0.005
25615	+150	5.24	0.002	--
25615	-150	270.50	--	0.005
25616	TOTAL	265.42	--	0.028
25616	+150	6.62	0.148	--
25616	-150	258.80	--	0.012
25617	TOTAL	276.37	--	0.043
25617	+150	8.77	0.093	--
25617	-150	267.60	--	0.034
25618	TOTAL	265.42	--	0.010
25618	+150	7.92	0.004	--
25618	-150	257.50	--	0.010
25619	TOTAL	247.78	--	0.005
25619	+150	6.38	0.003	--
25619	-150	241.40	--	0.005
25620	TOTAL	278.71	--	<0.005
25620	+150	9.91	<0.001	--
25620	-150	268.80	--	<0.005
25621	TOTAL	289.11	--	0.010
25621	+150	7.11	0.002	--
25621	-150	282.00	--	0.010
25622	TOTAL	307.94	--	<0.005
25622	+150	10.54	<0.001	--
25622	-150	297.40	--	<0.005
Minimum Detection		0.01	0.001	0.005
Maximum Detection		10000.00	1000.000	1000.000

< = Below Limit is = Insufficient Sample ns = No sample > = Over Limit

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REPORT #: 890358 MA DUNVEGAN EXPL. LTD

Sample	Number	Weight (gm)	Au (mg)	Au (oz/st)
25623	TOTAL	229.08	--	0.006
25623	+150	6.78	0.002	--
25623	-150	222.30	--	0.006
25624	TOTAL	273.69	--	0.031
25624	+150	6.79	0.049	--
25624	-150	266.90	--	0.026
25625	TOTAL	244.48	--	0.005
25625	+150	5.88	0.003	--
25625	-150	238.60	--	0.005
25626	TOTAL	293.52	--	2.119
25626	+150	11.52	5.622	--
25626	-150	282.00	--	1.624
25627	TOTAL	265.58	--	0.076
25627	+150	11.88	0.035	--
25627	-150	253.70	--	0.076
25628	TOTAL	280.38	--	0.074
25628	+150	14.08	0.038	--
25628	-150	266.30	--	0.074
25629	TOTAL	279.26	--	2.161
25629	+150	10.36	4.263	--
25629	-150	268.90	--	1.782
25630	TOTAL	265.70	--	0.011
25630	+150	8.90	0.029	--
25630	-150	256.80	--	0.008
25631	TOTAL	253.37	--	0.006
25631	+150	7.97	0.005	--
25631	-150	245.40	--	0.006
25632	TOTAL	250.83	--	0.006
25632	+150	11.23	0.010	--
25632	-150	239.60	--	0.005
25633	TOTAL	263.68	--	<0.005
25633	+150	8.78	<0.001	--
25633	-150	254.90	--	<0.005
Minimum Detection		0.01	0.001	0.005
Maximum Detection		10000.00	1000.000	1000.000

< = Below Limit is = Insufficient Sample ns = No sample > = Over Limit

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ASSAY ANALYTICAL REPORT

CLIENT: DUNVEGAN EXPL. LTD DATE: JULY 19 1989
ADDRESS: C/O 205 - 470 Granville St.
: Vancouver, B.C. **REPORT#: 890336 MA**
: V6C 1T2 JOB#: 890336

PROJECT#: 8904 INVOICE#: 890336 NA
SAMPLES ARRIVED: JULY 19 1989 TOTAL SAMPLES: 1
REPORT COMPLETED: JULY 19 1989 REJECTS/PULPS: 90 DAYS/1 YR
ANALYSED FOR: Metallic Au SAMPLE TYPE: 1 ROCK

SAMPLES FROM: DUNVEGAN EXPL. LTD
COPY SENT TO: WHITEHORSE/ALTA/VANCOUVER

PREPARED FOR: DUNVEGAN EXPL. LTD

ANALYSED BY: Raymond Chan

SIGNED: Raymond Chan
Registered Provincial Assayer

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

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FAX (604) 254-5717

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REPORT #: 890336 MA DUNVEGAN EXPL. LTD

Sample Number		Weight (gm)	Au (mg)	Au (oz/st)
25693	TOTAL	302.44	--	0.020
25693	+150	8.44	0.005	--
25693	-150	294.00	--	0.020

Minimum Detection	0.01	0.001	0.005
Maximum Detection	10000.00	1000.000	1000.000

< = Below Limit is = Insufficient Sample ns = No sample > = Over Limit

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ASSAY ANALYTICAL REPORT

CLIENT: DUNVEGAN EXPL. LTD DATE: JULY 12 1989
ADDRESS: C/O 205 - 470 Granville St.
: Vancouver, B.C. **REPORT#: 890313 MA**
: V6C 1T2 JOB#: 890313

PROJECT#: 8904 INVOICE#: 890313 NA
SAMPLES ARRIVED: JULY 11 1989 TOTAL SAMPLES: 2
REPORT COMPLETED: JULY 12 1989 REJECTS/PULPS: 90 DAYS/1 YR
ANALYSED FOR: Metallic Au SAMPLE TYPE: 2 ROCK

SAMPLES FROM: W. TAYLOR
COPY SENT TO: WHITEHORSE/ALTA/VANCOUVER

PREPARED FOR: DUNVEGAN EXPL. LTD

ANALYSED BY: Raymond Chan

SIGNED: Raymond Chan
Registered Provincial Assayer

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

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RENO, NEVADA, U.S.A.

REPORT #: 890313 MA

Sample	Number	Weight (gm)	Au (mg)	Au (oz/st)
25681	TOTAL	245.07	--	0.010
25681	+150	5.07	0.004	--
25681	-150	240.00	--	0.010
25683	TOTAL	220.91	--	0.005
25683	+150	5.91	0.002	--
25683	-150	215.00	--	0.005

Minimum Detection	0.01	0.001	0.005
Maximum Detection	10000.00	1000.000	1000.000

(= Below Limit is = Insufficient Sample ns = No sample) = Over Limit

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GEOCHEMICAL ANALYTICAL REPORT

CLIENT: DUNVEGAN EXPLORATION LTD.
ADDRESS: C/O 205 - 470 Granville St.
: Vancouver, BC
: V6C 1T2

DATE: AUGUST 22 1989
REPORT#: 890473 GA
JOB#: 890473

PROJECT#: 8904
SAMPLES ARRIVED: AUGUST 17 1989
REPORT COMPLETED: AUGUST 22 1989
ANALYSED FOR: Ag Au (FA/AAS) Pd (FA/AAS) Pt (FA/AAS)

INVOICE#: 890473 NA
TOTAL SAMPLES: 1
SAMPLE TYPE: 1 ROCK
REJECTS: SAVED

SAMPLES FROM: W. TAYLOR
COPY SENT TO: WHITEHORSE/ALTA/VANCOUVER

PREPARED FOR: DUNVEGAN EXPLORATION LTD.

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
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BRANCH OFFICES
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RENO, NEVADA, U.S.A.

REPORT NUMBER: 890473 GA JOB NUMBER: 890473 **DUNVEGAN EXPLORATION LTD.**

SAMPLE #	Ag	Au	Pd	Pt
	ppm	ppb	ppb	ppb
25865	.1	30	nd	nd

DETECTION LIMIT	0.1	5	50	50

nd = none detected -- = not analysed is = insufficient sample

VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
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RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: **DUNVEGAN EXPL. LTD**
ADDRESS: C/O 205 - 470 Granville St.
: Vancouver, B.C.
: V6C 1T2

DATE: AUGUST 21 1989
REPORT#: **890421 GA**
JOB#: 890421

PROJECT#: 8904
SAMPLES ARRIVED: AUGUST 8 1989
REPORT COMPLETED: AUGUST 21 1989
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 890421 NA
TOTAL SAMPLES: 54
SAMPLE TYPE: 54 ROCK
REJECTS: SAVED

SAMPLES FROM: W. TAYLOR
COPY SENT TO: WHITEHORSE/ALTA/VANCOUVER

PREPARED FOR: DUNVEGAN EXPL. LTD

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

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REPORT NUMBER: 890421 GA JOB NUMBER: 890421 **DUNVEGAN EXPL. LTD**

SAMPLE #	Au ppb
25637	2600
25638	6
25640	10
25644	20
25645	nd
25646	nd
25647	nd
25648	nd
25649	30
25650	nd
25702	>10000
25704	>10000
25706	8800
25708	30
25709	30
25710	nd
25711	nd
25712	10
25713	nd
25714	nd
25715	nd
25716	nd
25717	nd
25718	nd
25719	30
25720	40
25721	20
25722	nd
25723	nd
25724	nd
25725	20
25726	nd
25727	nd
25728	nd
25729	nd
25730	nd
25731	20
25732	nd
25733	40
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
25734	1160
25735	nd
25748	nd
25749	nd
25840	nd
25841	nd
25842	nd
25843	nd
25844	60
25845	nd
25846	nd
25847	nd
25848	nd
25862	740
25863	940

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

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GEOCHEMICAL ANALYTICAL REPORT

CLIENT: DUNVEGAN EXPLORATION LTD.
ADDRESS: 205 - 470 Granville St.
: Vancouver, B.C.
: V6C 1T2

DATE: AUGUST 11 1989
REPORT#: 890413 GA
JOB#: 890413

PROJECT#: 8904
SAMPLES ARRIVED: AUGUST 3 1989
REPORT COMPLETED: AUGUST 11 1989
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 890413 NA
TOTAL SAMPLES: 10
SAMPLE TYPE: 10 ROCK
REJECTS: SAVED

SAMPLES FROM: W. TAYLOR
COPY SENT TO: WHITEHORSE/ALTA/VANCOUVER

PREPARED FOR: DUNVEGAN EXPLORATION LTD.

ANALYSED BY: VGC Staff

SIGNED: Jaime C. Wong

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

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REPORT NUMBER: 890413 GA JOB NUMBER: 890413 **DUNVEGAN EXPLORATION LTD.**

SAMPLE #	Au ppb
25830	20
25831	20
25832	20
25833	30
25834	nd
25835	nd
25836	260
25837	20
25838	nd
25839	nd

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

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GEOCHEMICAL ANALYTICAL REPORT

CLIENT: DUNVEGAN EXPL. LTD
ADDRESS: C/O 205 - 470 Granville St.
: Vancouver, B.C.
: V6C 1T2

DATE: AUGUST 1 1989
REPORT#: 890382 GA
JOB#: 890382

PROJECT#: 8904
SAMPLES ARRIVED: JULY 27 1989
REPORT COMPLETED: AUGUST 1 1989
ANALYSED FOR: Au ICP

INVOICE#: 890382 NA
TOTAL SAMPLES: 2
SAMPLE TYPE: 2 ROCK
REJECTS: SAVED

SAMPLES FROM: WHITEHORSE
COPY SENT TO: WHITEHORSE/ALTA/VANCOUVER

PREPARED FOR: DUNVEGAN EXPL. LTD

ANALYSED BY: VGC Staff

SIGNED: Jaime C. Wong

GENERAL REMARK: Au analyses by Aqua-Regia/Solvent Extraction.

VGC VANGEOCHEM LAB LIMITED

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REPORT NUMBER: 890382 GA JOB NUMBER: 890382 **DUNVEGAN EXPL. LTD**

SAMPLE #	Au ppb
25801	10
25810	5

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

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GEOCHEMICAL ANALYTICAL REPORT

CLIENT: DUNVEGAN EXPLORATION LTD.
ADDRESS: 205 - 470 Granville St.
: Vancouver, B.C.
: V6C 1T2

DATE: AUGUST 4 1989
REPORT#: 890381 GA
JOB#: 890381

PROJECT#: 8904
SAMPLES ARRIVED: JULY 27 1989
REPORT COMPLETED: AUGUST 4 1989
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 890381 NA
TOTAL SAMPLES: 22
SAMPLE TYPE: 22 ROCK
REJECTS: SAVED

SAMPLES FROM: W. TAYLOR
COPY SENT TO: WHITEHORSE/ALTA/VANCOUVER

PREPARED FOR: W. TAYLOR

ANALYSED BY: VGC Staff

SIGNED:

GENERAL REMARK: None

VGC VANGEOCHEM LAB LIMITED

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REPORT NUMBER: 890381 GA JOB NUMBER: 890381 **DUNVEGAN EXPLORATION LTD.**

SAMPLE #	Au ppb
25802	80
25803	40
25804	20
25805	30
25806	20
25807	10
25808	5
25809	5
25811	5
25812	5
25813	10
25814	10
25817	5
25818	5
25819	5
25823	10
25824	10
25825	20
25826	5
25827	10
25828	20
25829	5

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED
1988 Triumph Street, Vancouver, B.C. V5L 1K5
Phn(604)251-3656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890358 PA | DUNVEGAN EIPL | Proj: 8904 | Date In: 89/07/21 | Date Out:89/08/02 | Att: |

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
25601	6.1	0.12	117	72	<3	7.17	4.3	11	89	259	2.21	1.26	6.30	875	1	0.02	101	0.05	682	<2	2	1881	<5	<3	377
25602 * DUG	1.5	1.05	265	221	3	2.98	3.2	30	78	139	4.33	0.57	2.97	876	2	0.04	229	0.24	185	<2	4	351	<5	<3	433
25603	10.0	0.43	152	132	3	5.22	35.1	15	48	259	3.04	0.90	4.65	813	3	0.11	96	0.14	853	<2	3	1161	<5	<3	5539
25604	1.6	1.30	240	104	<3	1.84	1.4	38	315	83	2.87	1.05	5.04	781	2	0.01	569	0.01	51	<2	2	255	<5	<3	242
25605	0.4	0.09	23	54	<3	0.06	0.1	5	139	24	0.41	0.02	0.22	76	1	0.01	53	0.01	13	<2	<2	11	<5	<3	31
25606	0.4	0.49	49	42	<3	0.16	1.5	11	97	46	1.50	0.06	1.65	365	2	0.01	137	0.01	58	<2	<2	22	<5	<3	125
25607	0.4	0.04	7	18	<3	0.19	0.1	3	150	17	0.31	0.68	0.20	65	<1	0.01	47	0.01	23	<2	<2	21	<5	<3	21
25608	0.9	0.06	15	27	<3	0.59	0.1	3	119	36	0.44	0.72	0.32	89	3	0.01	112	0.01	25	<2	<2	73	<5	<3	48
25609	3.2	1.90	110	122	<3	1.99	10.1	28	62	108	3.49	0.33	4.52	331	1	0.05	711	0.11	427	<2	<2	178	<5	<3	2022
25610	1.2	0.09	<3	19	<3	0.38	0.8	4	179	29	0.43	0.05	0.54	138	2	0.01	69	0.01	111	<2	<2	50	<5	<3	141
25611	0.4	0.04	9	21	<3	0.19	0.1	5	196	12	0.45	0.03	0.31	102	1	0.01	87	0.01	17	<2	<2	22	<5	<3	23
25612	0.4	0.07	727	27	<3	4.11	0.1	89	154	20	3.82	1.11	>10.00	943	<1	0.01	2227	0.01	38	<2	<2	156	<5	<3	39
25613	0.4	0.02	219	9	<3	0.24	0.1	48	138	15	2.40	0.63	>10.00	359	<1	0.01	875	0.01	15	<2	<2	26	<5	<3	20
25614	0.8	0.23	111	92	<3	0.21	1.4	12	82	46	2.46	0.61	1.20	307	4	0.01	122	0.01	65	<2	2	24	<5	<3	130
25615	5.5	0.42	291	85	<3	0.95	4.6	19	87	126	2.83	0.67	2.05	457	7	0.01	227	0.04	647	<2	2	136	<5	<3	417
25616	2.2	0.05	30	23	<3	2.05	15.1	3	119	42	0.79	0.23	2.06	243	3	0.04	48	0.01	309	<2	<2	509	<5	<3	2271
25617	25.9	0.10	45	33	<3	1.60	2.4	5	160	410	1.01	0.66	1.58	271	2	0.01	89	0.01	3396	<2	<2	313	<5	<3	405
25618	17.6	0.19	238	41	<3	2.79	7.1	11	83	171	2.02	0.78	3.82	479	3	0.02	146	0.01	560	<2	2	646	<5	<3	658
25619	10.8	0.03	29	18	<3	2.73	17.8	5	88	98	0.87	0.28	2.52	351	4	0.05	107	0.01	1617	<2	<2	639	<5	<3	3520
25620	0.8	0.90	254	251	<3	2.66	3.3	63	66	89	3.99	0.73	2.47	1672	2	0.05	520	0.23	136	<2	3	250	<5	<3	889
25621	1.6	0.38	295	67	<3	3.38	5.1	28	31	76	3.92	0.73	2.83	757	2	0.03	87	0.24	166	<2	3	365	<5	<3	653
25622	1.3	0.34	192	77	<3	0.29	2.5	13	71	92	2.35	0.44	2.11	422	3	0.01	178	0.01	210	<2	2	47	<5	<3	460
25623	6.8	0.07	33	28	<3	3.16	1.5	3	149	77	1.08	0.63	3.09	460	1	0.01	39	0.01	1034	<2	2	914	<5	<3	162
25624	19.2	0.71	106	129	<3	4.31	5.5	25	69	600	3.49	0.70	3.91	1089	2	0.04	180	0.18	3339	<2	2	676	<5	<3	1368
25625	0.9	0.32	126	96	<3	1.14	1.2	19	69	79	2.57	0.10	1.77	467	3	0.01	216	0.05	94	<2	2	113	<5	<3	193
25626	38.9	0.07	69	26	<3	1.19	18.6	3	98	998	0.69	0.40	1.12	176	5	0.03	89	0.01	5983	70	<2	255	<5	<3	1837
25627	14.9	0.13	102	28	<3	0.54	8.3	3	159	523	0.64	0.33	0.64	100	3	0.04	62	0.01	2326	<2	<2	99	<5	<3	2333
25628	3.7	0.40	30	31	<3	0.33	0.4	9	135	84	0.78	0.30	0.98	210	3	0.01	226	0.01	365	<2	<2	42	<5	<3	244
25629	24.5	0.06	150	22	<3	1.25	29.9	3	136	421	0.57	0.07	1.22	161	4	0.09	61	0.01	8004	<2	<2	328	<5	<3	5496
25630	0.7	0.06	17	26	<3	0.09	0.1	3	141	44	0.42	0.01	0.13	63	1	0.01	54	0.01	177	<2	<2	16	<5	<3	115
25631	0.8	0.07	162	13	<3	0.37	0.8	31	321	37	1.76	0.26	5.73	231	2	0.01	711	0.01	80	<2	2	34	<5	<3	101
25632	26.9	0.04	108	12	<3	1.87	0.6	4	158	196	0.79	0.30	1.84	264	1	0.01	80	0.01	3609	<2	<2	408	<5	<3	99
25633	0.4	0.07	37	11	<3	0.81	0.1	6	133	14	0.59	0.23	0.90	223	4	0.01	178	0.01	90	<2	<2	148	<5	<3	25
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

VANGEOCHEM LAB LIMITED

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST: _____

REPORT #: 890422 PA | DUNVEGAN EXPL. LTD. | Proj: 8904 | Date In: 89/08/08 | Date Out:89/08/21 | Attn: W. TAYLOR | Page 1 of 1

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
25639	0.1	0.04	246	8	<3	0.03	0.1	36	241	11	2.07	0.67	>10.00	177	<1	0.01	686	0.01	6	<2	<2	4	<5	<3	14
25641	>50.0	0.15	30	16	<3	0.01	0.2	5	178	425	0.51	0.01	0.52	93	5	0.01	137	0.01	41	<2	<2	1	<5	<3	28
25642	43.1	0.03	45	7	<3	0.32	12.1	1	192	360	0.42	0.05	0.40	62	3	0.01	28	0.01	4701	<2	<2	49	<5	<3	4263
25643	2.1	1.17	89	352	<3	4.24	6.8	28	68	237	4.54	0.73	3.86	960	3	0.06	94	0.26	578	<2	2	482	<5	<3	925
25701	49.1	0.05	374	20	<3	1.07	43.4	3	153	3447	0.62	0.72	1.07	153	11	0.01	22	0.01	>20000	1512	<2	291	<5	<3	5610
25703	>50.0	0.03	22	8	<3	0.17	5.7	1	139	1349	0.44	0.56	0.20	50	5	0.01	91	0.01	687	<2	<2	31	<5	<3	950
25705	>50.0	0.03	38	8	<3	0.02	32.2	2	238	3547	0.37	0.01	0.05	39	4	0.01	22	0.01	>20000	1554	<2	10	<5	<3	1615
25707	3.4	0.02	25	5	<3	0.01	2.2	1	153	127	0.34	0.01	0.03	32	5	0.01	102	0.01	430	<2	<2	<1	<5	<3	726
25736	28.7	0.08	58	22	<3	6.01	5.1	1	94	395	1.50	1.32	5.32	644	1	0.01	37	0.01	1529	<2	<2	1605	<5	<3	476
25737	31.5	0.05	106	15	<3	5.60	20.2	2	72	283	1.23	1.21	5.02	635	3	0.01	76	0.01	1468	<2	<2	1268	<5	<3	1260
25738	1.6	0.14	75	38	<3	1.70	1.7	7	175	48	1.21	0.68	1.58	402	2	0.01	77	0.03	264	<2	<2	338	<5	<3	187
25739	3.9	0.20	54	39	<3	1.77	2.9	5	139	273	1.02	0.68	1.77	288	6	0.01	126	0.01	695	<2	<2	435	<5	<3	510
25740	4.1	0.07	38	11	<3	3.19	1.7	2	130	94	0.87	0.38	3.10	359	2	0.01	51	0.01	1383	<2	<2	791	<5	<3	268
25741	3.4	0.06	51	19	<3	3.67	2.8	2	89	55	1.06	0.43	3.59	402	5	0.01	73	0.01	438	<2	<2	962	<5	<3	285
25742	19.8	0.04	<3	11	<3	1.72	3.1	1	153	356	0.66	0.19	1.64	197	3	0.01	13	0.01	4261	63	<2	489	<5	<3	287
25743	>50.0	0.05	8	12	<3	0.17	7.7	2	181	1271	0.54	0.02	0.22	67	8	0.01	91	0.01	>20000	183	<2	40	<5	<3	939
25744	1.6	0.05	52	7	<3	0.19	0.1	5	198	28	0.52	0.39	0.41	111	1	0.01	130	0.01	558	<2	<2	28	<5	<3	31
25745	9.8	0.05	106	14	<3	0.26	7.4	2	140	228	0.36	0.38	0.26	58	5	0.01	86	0.01	1586	<2	<2	52	<5	<3	1332
25746	3.5	0.09	38	20	<3	3.18	61.8	4	124	93	1.05	0.30	2.98	372	3	0.01	59	0.01	773	<2	<2	808	<5	<3	7655
25747	>50.0	0.03	38	9	<3	0.48	18.9	5	128	95	0.33	0.04	0.63	60	7	0.01	136	0.01	718	<2	<2	69	<5	<3	3983
25851	14.9	0.08	10	19	<3	0.83	2.7	2	174	52	0.48	0.36	0.73	119	5	0.01	24	0.01	5928	<2	<2	153	<5	<3	350
25852	19.2	0.04	27	11	<3	0.24	65.1	2	142	252	0.41	0.01	0.21	44	8	0.01	78	0.01	822	<2	<2	33	<5	<3	10243
25853	2.1	0.07	20	14	<3	0.06	0.5	3	196	37	0.36	0.28	0.14	65	1	0.01	47	0.01	200	<2	<2	12	<5	<3	200
25854	0.6	0.06	113	21	<3	2.49	1.2	17	198	35	1.47	0.43	3.89	488	5	0.01	440	0.01	64	<2	<2	486	<5	<3	143
25855	18.7	0.07	37	28	<3	0.09	9.1	3	189	23	0.28	0.01	0.11	40	3	0.01	42	0.01	2652	<2	<2	15	<5	<3	1609
25856	>50.0	0.05	83	14	<3	3.30	16.7	1	90	2394	0.94	0.43	3.00	334	5	0.01	69	0.01	16006	785	<2	799	<5	<3	1334
25857	7.9	0.09	50	19	<3	0.27	4.6	2	175	253	0.52	0.22	0.32	66	2	0.01	36	0.01	1594	<2	<2	51	<5	<3	590
25858	21.7	0.08	85	19	<3	0.74	19.6	2	123	370	0.73	0.23	0.70	116	6	0.01	85	0.01	6239	<2	<2	145	<5	<3	2488
25859	31.7	0.06	118	15	<3	0.61	33.2	2	186	728	0.55	0.21	0.59	94	4	0.01	33	0.01	5408	158	<2	136	<5	<3	3496
25860	31.1	0.09	56	35	<3	2.50	0.5	5	143	22	1.05	0.28	2.20	352	5	0.01	154	0.02	164	<2	<2	441	<5	<3	96
25861	5.3	0.02	38	11	<3	2.77	0.5	7	125	82	0.86	0.27	2.53	364	1	0.01	68	0.01	1054	<2	<2	702	<5	<3	70
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890421 PA | DUNVEGAN EXPL. LTD. | Proj: 8904 | Date In: 89/08/08 | Date Out:89/08/18 | Att: W. TAYLOR |

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
25637	>50.0	0.44	54	25	<3	0.03	2.2	4	216	694	0.73	0.02	0.83	98	3	0.01	63	0.01	50	<2	<2	5	<5	<3	189
25638	1.3	0.06	1173	21	<3	0.01	0.1	52	312	26	2.80	0.09	>10.00	218	1	0.01	934	0.01	11	<2	<2	2	<5	<3	29
25640	1.0	0.08	651	7	<3	0.02	0.1	64	408	17	2.91	0.09	>10.00	283	<1	0.01	1095	0.01	12	<2	<2	3	<5	<3	17
25644	0.9	0.04	379	8	<3	0.06	0.1	43	149	13	2.99	0.10	>10.00	1346	<1	0.01	695	0.01	6	<2	<2	3	<5	<3	8
25645	0.5	1.68	13	50	<3	0.36	0.6	13	115	29	2.37	0.12	2.44	280	2	0.01	58	0.01	17	<2	<2	8	<5	<3	30
25646	0.7	0.24	<3	4	<3	8.74	0.1	1	61	4	0.39	1.28	0.33	348	2	0.01	41	0.01	10	<2	<2	93	<5	<3	4
25647	0.8	0.03	117	6	<3	0.26	0.1	65	160	9	3.11	0.13	>10.00	571	<1	0.01	1286	0.01	18	<2	<2	6	<5	<3	11
25648	0.8	0.01	<3	5	<3	0.04	0.1	67	141	6	3.13	0.10	>10.00	517	<1	0.01	1737	0.01	13	<2	<2	1	<5	<3	9
25649	0.7	0.13	90	46	<3	1.59	0.1	54	324	7	2.93	0.33	>10.00	684	<1	0.01	1109	0.01	2	<2	<2	78	<5	<3	24
25650	0.7	0.16	<3	9	<3	0.17	0.1	51	855	3	2.73	0.11	>10.00	567	<1	0.01	783	0.01	18	<2	<2	3	<5	<3	10
25702	>50.0	0.03	118	10	<3	0.62	88.1	3	146	4031	0.58	0.12	0.97	113	9	0.01	103	0.01	5788	1524	2	167	<5	<3	10548
25704	>50.0	0.03	20	6	<3	0.50	24.2	2	153	1670	0.48	0.09	0.59	124	2	0.01	32	0.01	544	190	<2	92	<5	<3	1696
25706	>50.0	0.05	259	12	<3	0.11	38.9	4	139	4351	0.49	0.03	0.16	72	10	0.01	100	0.01	12964	1221	<2	26	<5	<3	1767
25708	3.7	0.02	7	4	<3	0.01	3.9	2	192	118	0.31	0.01	0.05	43	2	0.01	15	0.01	273	<2	<2	1	<5	<3	1939
25709	1.1	0.11	11	22	<3	0.46	0.1	2	104	31	0.59	0.08	0.07	126	4	0.01	61	0.34	85	<2	<2	29	<5	<3	52
25710	0.1	0.20	21	39	<3	0.20	0.1	3	145	44	0.61	0.05	0.31	104	2	0.01	19	0.03	20	<2	<2	12	<5	<3	29
25711	0.3	3.90	104	101	<3	2.37	1.7	50	454	95	6.49	0.55	6.52	973	3	0.01	362	0.13	30	<2	<2	70	<5	<3	104
25712	0.2	3.44	204	500	<3	0.38	1.9	72	323	146	8.85	0.33	2.22	1411	5	0.03	430	0.09	42	<2	<2	36	<5	<3	105
25713	0.1	0.10	12	53	<3	1.20	0.1	3	129	7	0.95	0.20	0.55	325	2	0.01	22	0.44	9	<2	<2	61	<5	<3	9
25714	0.1	5.97	34	62	3	0.79	2.9	46	114	53	9.17	0.40	6.99	750	4	0.03	130	0.30	32	<2	<2	28	<5	<3	153
25715	0.8	1.56	97	63	<3	4.39	1.2	31	231	133	4.52	0.79	5.08	1310	3	0.01	203	0.08	20	<2	<2	157	<5	<3	54
25716	1.0	5.04	101	51	<3	3.98	2.1	70	773	98	8.08	0.84	9.54	1314	3	0.01	599	0.09	27	<2	<2	121	<5	<3	121
25717	0.8	2.81	286	179	<3	0.60	1.5	50	493	247	6.40	0.29	3.28	1788	4	0.02	368	0.08	29	<2	<2	27	<5	<3	76
25718	0.7	0.30	<3	6	<3	0.27	0.1	49	683	22	3.03	0.13	>10.00	630	<1	0.01	803	0.01	2	<2	<2	3	<5	<3	12
25719	0.5	0.07	<3	3	<3	0.04	0.1	29	312	4	2.04	0.07	>10.00	461	<1	0.01	170	0.01	2	<2	<2	<1	<5	<3	16
25720	0.7	0.32	<3	7	<3	0.03	0.1	39	812	6	2.94	0.10	>10.00	671	<1	0.01	319	0.01	6	<2	<2	1	<5	<3	9
25721	0.5	0.56	55	12	<3	0.02	0.1	131	>1000	7	5.05	0.16	>10.00	290	<1	0.01	2319	0.01	22	<2	<2	1	<5	<3	29
25722	0.3	0.15	15	10	<3	0.12	0.1	61	635	56	3.35	0.12	>10.00	533	<1	0.01	1070	0.01	2	<2	<2	2	<5	<3	14
25723	0.1	0.12	<3	8	<3	0.08	0.3	27	544	2	1.92	0.07	>10.00	489	<1	0.01	174	0.01	5	<2	<2	1	<5	<3	5
25724	0.3	0.01	<3	1	<3	0.19	0.1	4	168	9	0.46	0.04	1.38	58	2	0.01	54	0.01	6	<2	<2	5	<5	<3	2
25725	0.9	0.11	518	18	<3	0.02	0.1	56	231	36	2.65	0.08	>10.00	196	<1	0.01	1053	0.01	59	<2	<2	3	<5	<3	22
25726	0.6	0.01	172	7	<3	0.53	0.1	58	108	37	2.61	0.16	>10.00	602	<1	0.01	1027	0.01	6	<2	<2	79	<5	<3	6
25727	0.5	0.06	42	3	<3	0.03	0.1	50	246	8	3.09	0.10	>10.00	382	<1	0.01	512	0.01	5	<2	<2	4	<5	<3	5
25728	0.1	0.02	1139	6	<3	0.04	0.1	75	142	11	3.29	0.11	>10.00	464	<1	0.01	1159	0.01	10	<2	<2	2	<5	<3	16
25729	0.3	0.10	832	11	<3	0.07	0.1	67	365	11	3.45	0.12	>10.00	625	<1	0.01	1175	0.01	6	<2	<2	3	<5	<3	36
25730	0.1	0.03	120	3	<3	0.02	0.1	60	169	13	3.58	0.11	>10.00	294	<1	0.01	845	0.01	12	<2	<2	2	<5	<3	7
25731	0.3	0.11	<3	4	<3	0.03	0.1	74	361	139	3.47	0.11	>10.00	856	<1	0.01	1479	0.01	18	<2	<2	1	<5	<3	11
25732	0.2	0.02	<3	3	<3	0.05	0.1	54	98	20	2.90	0.10	>10.00	1138	<1	0.01	874	0.01	16	<2	<2	1	<5	<3	6
25733	0.8	1.14	78	297	<3	3.13	1.7	30	76	97	4.53	0.61	3.36	884	3	0.04	169	0.25	38	<2	3	292	<5	<3	186
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: 890421 PA DUNVEGAN EXPL. LTD. Proj: 8904 Date In: 89/08/08 Date Out:89/08/18 Att: W. TAYLOR

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
25734	6.8	0.18	133	39	<3	1.68	2.6	6	193	210	1.48	0.32	1.74	498	2	0.01	85	0.01	1511	<2	<2	442	<5	<3	580
25735	0.3	0.02	<3	3	<3	0.10	0.1	89	241	11	3.34	0.12	>10.00	526	<1	0.01	2178	0.01	31	<2	<2	10	<5	<3	29
25748	0.2	2.23	9	36	<3	0.60	0.8	27	122	20	2.98	0.18	2.80	510	2	0.01	112	0.06	24	<2	3	15	<5	<3	56
25749	0.1	0.50	41	193	<3	1.44	1.2	36	135	98	5.59	0.39	9.55	977	2	0.01	93	0.01	20	<2	<2	173	<5	<3	98
25840	0.1	0.08	41	34	<3	1.33	0.1	7	191	13	2.52	0.27	0.64	288	2	0.01	25	0.11	14	<2	<2	66	<5	<3	45
25841	0.1	5.00	63	80	<3	2.40	2.2	31	231	26	7.44	0.59	5.22	1197	6	0.01	83	0.09	31	<2	<2	114	<5	<3	113
25842	0.2	0.44	<3	11	<3	0.56	0.1	53	723	29	3.66	0.20	>10.00	645	<1	0.01	773	0.01	13	<2	<2	13	<5	<3	21
25843	0.2	0.20	10	12	<3	0.47	0.1	16	194	166	1.10	0.10	0.42	212	1	0.01	36	0.01	12	<2	<2	6	<5	<3	18
25844	0.1	0.27	112	58	<3	5.27	0.6	18	68	49	3.41	0.89	3.67	998	2	0.01	69	0.05	16	<2	<2	275	<5	<3	50
25845	1.2	1.97	11	88	<3	0.40	0.6	22	230	64	2.72	0.14	2.02	338	2	0.01	54	0.02	25	<2	4	16	<5	<3	38
25846	0.2	1.71	9	6	<3	0.59	0.2	14	180	18	1.94	0.14	2.21	256	2	0.01	32	0.01	16	<2	<2	13	<5	<3	29
25847	0.1	0.04	<3	6	<3	0.01	0.1	1	200	5	0.28	0.01	0.04	25	1	0.01	5	0.01	9	<2	<2	1	<5	<3	2
25848	0.1	0.43	241	46	<3	2.95	0.2	29	65	40	4.21	0.57	2.68	836	2	0.01	111	0.04	18	<2	2	180	<5	<3	61
25862	1.2	0.17	637	32	<3	2.15	0.1	10	54	17	4.00	0.45	1.76	500	3	0.01	24	0.01	41	<2	2	238	<5	<3	57
25863	1.7	0.18	772	11	<3	2.22	0.1	14	65	23	4.20	0.47	1.54	424	3	0.01	33	0.01	42	<2	2	227	<5	<3	60
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

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ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

VANGEOCHEM LAB LIMITED

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890382 PA | DUNVEGAN EXPL LTD | Proj: 8904 | Date In: 89/07/27 | Date Out:89/08/04 | Att: W TAYLOR | Page 1 of 1

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
25801	0.1	0.32	11	7	<3	0.04	0.1	85	870	11	3.16	0.10	>10.00	538	<1	0.01	1871	0.01	7	<2	<2	1	<5	<3	13
25810	0.2	1.67	5	11	3	2.09	0.3	23	170	82	2.22	0.37	2.23	474	2	0.01	112	0.01	17	<2	3	21	<5	<3	37
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

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ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

VANGEUCHEM LAB LIMITED

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ICAP GEOCHEMICAL ANALYSIS

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This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890413 PA | DUNVEGAN EXPL | Proj: 8904 | Date In: 89/08/03 | Date Out:89/08/14 | Att: W TAYLOR | Page 1 of 1

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
25830	0.2	0.12	<3	188	<3	0.01	0.1	2	156	129	0.38	0.01	0.02	53	5	0.01	15	0.01	18	<2	<2	18	<5	<3	18
25831	0.3	0.31	3	124	<3	0.48	0.1	8	120	160	1.43	0.11	2.82	280	2	0.01	98	0.01	15	<2	<2	49	<5	<3	71
25832	0.1	0.05	8	56	<3	3.33	0.1	3	145	40	1.11	0.55	2.43	964	2	0.01	47	0.44	12	<2	<2	388	<5	<3	118
25833	0.4	3.01	38	26	4	0.12	1.8	49	50	96	7.32	0.24	4.90	963	4	0.02	75	0.06	32	<2	3	9	<5	<3	116
25834	0.3	1.15	113	39	<3	6.56	0.9	33	316	21	4.73	1.12	6.30	1245	3	0.02	185	0.01	25	<2	2	286	<5	<3	67
25835	0.1	0.17	22	18	<3	4.62	0.1	29	341	12	2.68	0.78	>10.00	554	<1	0.01	685	0.01	7	<2	<2	402	<5	<3	10
25836	1.3	0.11	21	40	<3	0.34	1.1	5	168	29	0.73	0.07	0.47	142	4	0.01	50	0.01	157	<2	<2	68	<5	<3	412
25837	10.9	0.08	544	25	<3	1.44	0.1	39	238	267	2.31	0.29	>10.00	526	<1	0.01	684	0.01	156	32	<2	118	<5	<3	62
25838	0.1	0.42	15	18	<3	0.71	0.1	60	945	17	3.59	0.22	>10.00	662	<1	0.01	1228	0.01	6	<2	<2	44	<5	<3	20
25839	0.2	0.34	47	23	<3	1.58	0.1	10	158	37	1.93	0.29	1.43	388	2	0.01	70	0.06	19	<2	<2	40	<5	<3	42
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

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ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

VANGEOCHEM LAB LIMITED
1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890383 PA DUNVEGAN EXPL. LTD. Proj: 8904 Date In: 89/07/27 Date Out:89/08/02 Att: W TAYLOR

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
25815	11.1	0.08	234	23	<3	0.77	1.1	36	224	261	2.39	0.01	>10.00	428	2	0.01	861	0.01	237	<2	<2	64	<5	<3	59
25816	0.2	0.06	173	27	4	1.09	0.1	38	183	19	2.56	0.01	>10.00	425	1	0.01	739	0.01	10	<2	<2	83	<5	<3	29
25820	0.8	0.06	33	17	<3	0.09	0.1	14	159	34	0.46	0.01	0.37	107	6	0.01	293	0.01	36	<2	<2	13	<5	<3	19
25821	>50.0	0.09	78	19	<3	1.59	22.8	3	154	6816	0.71	0.01	1.69	171	5	0.02	58	0.01	>20000	>2000	<2	380	<5	<3	1138
25822	1.2	0.11	13	11	<3	5.45	0.8	4	107	101	1.28	0.33	5.30	641	4	0.01	113	0.01	517	<2	<2	1397	<5	<3	70
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

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ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

VANGEOCHEM LAB LIMITED

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Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

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This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890381 PA | DUNVEGAN RES | Proj: 8904 | Date In: 89/07/27 | Date Out:89/08/04 | Att: W TAYLOR |

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
25802	0.3	0.66	<3	82	<3	0.07	0.1	5	165	88	1.11	0.04	0.61	127	2	0.01	23	0.01	23	<2	2	5	<5	<3	56
25803	0.2	0.46	<3	147	<3	0.04	0.1	6	194	51	1.03	0.03	0.51	71	2	0.01	26	0.01	16	<2	2	4	<5	<3	89
25804	0.1	0.15	47	11	<3	0.07	0.1	60	510	19	2.84	0.10	>10.00	396	<1	0.01	1157	0.01	7	<2	<2	11	<5	<3	13
25805	0.2	0.07	128	12	<3	0.06	0.1	24	358	10	1.92	0.07	9.83	345	1	0.01	349	0.01	12	<2	<2	10	<5	<3	24
25806	0.1	0.09	64	21	<3	0.06	0.1	57	265	11	2.94	0.10	>10.00	530	<1	0.01	1349	0.01	13	<2	<2	3	<5	<3	41
25807	0.1	0.08	160	12	<3	0.06	0.1	54	207	11	3.13	0.11	>10.00	594	<1	0.01	1017	0.01	7	<2	<2	2	<5	<3	34
25808	0.5	0.05	305	49	<3	1.78	0.1	52	221	15	2.56	0.35	>10.00	369	<1	0.01	1159	0.01	17	<2	<2	167	<5	<3	26
25809	0.1	0.09	21	12	<3	0.32	0.5	17	396	7	1.07	0.08	6.05	218	1	0.01	341	0.01	10	<2	2	28	<5	<3	10
25811	0.1	0.70	<3	9	<3	1.25	0.1	5	140	6	0.42	0.19	0.41	139	1	0.01	21	0.01	8	<2	<2	29	<5	<3	11
25812	0.7	2.91	15	51	3	0.39	1.2	24	180	57	3.26	0.16	3.24	390	2	0.02	56	0.06	22	<2	6	9	<5	<3	56
25813	0.5	2.84	11	23	3	0.81	1.1	25	63	63	2.95	0.21	2.94	423	2	0.01	35	0.03	19	<2	4	23	<5	<3	55
25814	0.1	0.20	22	30	<3	4.37	0.6	12	81	16	2.20	0.69	3.13	818	2	0.01	44	0.03	16	<2	2	180	<5	<3	31
25817	0.3	0.07	81	15	<3	0.28	0.3	22	189	27	1.35	0.08	7.59	252	1	0.01	443	0.01	51	<2	<2	26	<5	<3	29
25818	0.1	0.10	<3	17	<3	0.24	0.1	39	261	6	2.29	0.11	>10.00	395	<1	0.01	925	0.01	7	<2	<2	16	<5	<3	22
25819	0.2	0.08	51	10	<3	2.13	0.1	27	255	12	1.51	0.35	>10.00	315	1	0.01	628	0.01	9	<2	<2	87	<5	<3	18
25823	0.1	0.10	<3	21	<3	0.57	0.1	61	302	15	2.46	0.16	>10.00	418	<1	0.01	1295	0.01	8	<2	<2	17	<5	<3	38
25824	0.2	0.09	81	36	<3	0.15	0.1	69	248	15	3.32	0.13	>10.00	538	<1	0.01	1309	0.01	30	<2	<2	3	<5	<3	25
25825	0.1	0.27	32	25	<3	0.33	0.1	56	809	12	2.46	0.13	>10.00	537	<1	0.01	640	0.01	7	<2	<2	9	<5	<3	21
25826	0.1	0.06	141	19	<3	0.83	0.1	4	96	7	0.89	0.15	0.53	290	4	0.01	63	0.43	10	<2	<2	117	<5	<3	12
25827	1.4	4.22	7	15	<3	0.20	1.1	23	146	1300	2.33	0.11	6.67	701	2	0.01	107	0.02	18	<2	<2	22	<5	<3	45
25828	1.2	0.15	1202	25	<3	0.13	0.1	57	342	20	2.28	0.10	>10.00	578	<1	0.01	1143	0.01	194	<2	<2	8	<5	<3	38
25829	0.2	1.06	22	26	<3	1.17	0.7	22	88	19	2.22	0.23	1.74	191	2	0.02	118	0.01	19	<2	2	30	<5	<3	35
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

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VANGEOCHEM LAB LIMITED

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ICAP GEOCHEMICAL ANALYSIS

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This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST: JC Wong

REPORT #: 890454 PA DUNVEGAN EXPL Proj: 8904 Date In: 89/08/14 Date Out:89/08/23 Att:

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
25864 (-140M)	17.8	0.18	59	52	<3	1.73	45.1	3	119	214	0.71	0.31	1.75	241	3	0.01	18	0.01	412	<2	<2	376	<5	<3	433
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

TOG Claims

Soil Geochemistry

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: **DUNVEGAN EXPLORATION LTD.**
ADDRESS: 205 - 470 Granville St.
: Vancouver, B.C.
: V6C 1T2

DATE: AUGUST 9 1989
REPORT#: 890399 GA
JOB#: 890399

PROJECT#: 8904
SAMPLES ARRIVED: AUGUST 1 1989
REPORT COMPLETED: AUGUST 9 1989
ANALYSED FOR: Au ICP

INVOICE#: 890399 NA
TOTAL SAMPLES: 102
SAMPLE TYPE: 102 SOIL
REJECTS: DISCARDED

SAMPLES FROM: W. TAYLOR
COPY SENT TO: WHITEHORSE/ALTA/VANCOUVER

PREPARED FOR: W. TAYLOR

ANALYSED BY: VGC Staff

SIGNED: Jaime C. Wong

GENERAL REMARK: None

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RENO, NEVADA, U.S.A.

REPORT NUMBER: 890399 GA JOB NUMBER: 890399 DUNVEGAN EXPLORATION LTD.

SAMPLE #	Au ppb
8904-P1	15
8904-P2	15
8904-P3	5
8904-P4	10
8904-P5	20
8904-P7	15
8904-T5	10
8904-T6	5
8904-T8	15
8904-T9	10
8904-T10	5
8904-T11	nd
8904-T12	15
8904-T13	15
8904-T14	15
8904-T15	15
8904-T16	10
8904-T17	10
8904-T18	20
8904-T19	5
8904-T20	5
8904-T21	5
8904-T22	5
8904-T23	15
8904-T24	5
8904-T25	5
8904-T26	nd
8904-T27	10
8904-T28	nd
8904-T29	10
8904-T30	10
8904-T31	20
8904-T32	15
8904-T33	10
8904-T34	10
8904-T35	5
8904-T36	5
8904-T37	10
8904-T38	10
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
8904-T39	10
8904-T40	10
8904-T41	15
8904-T42	5
8904-T43	10
8904-T44	15
8904-T45	5
8904-T47	25
8904-T48	10
8904-T49	10
8904-T50	10
8904-T51	5
8904-T52	10
8904-T53	5
8904-T54	10
8904-T55	10
8904-T56	10
8904-T57	10
8904-T58	5
8904-T59	10
8904-T60	5
8904-T61	10
8904-T62	5
8904-T63	15
8904-T64	5
8904-T65	10
8904-T66	5
8904-T67	20
8904-T68	25
8904-T69	10
8904-T70	10
8904-T71	10
8904-T72	10
8904-T73	10
8904-T74	10
8904-T75	10
8904-T76	10
8904-T77	15
8904-T78	10
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
8904-T79	10
8904-T80	10
8904-T81	10
8904-T82	10
8904-T83	10
8904-T84	10
8904-T85	5
8904-T86	15
8904-T87	15
8904-T88	20
8904-T89	5
8904-T90	10
8904-T91	15
8904-T92	10
8904-T93	10
8904-T94	nd
8904-T95	20
8904-T96	10
8904-T97	20
8904-T98	5
8904-T99	10
8904-T100	15
8904-T101	10
8904-T102	5

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

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GEOCHEMICAL ANALYTICAL REPORT

CLIENT: DUNVEGAN EXPLORATION LTD.
ADDRESS: 205 - 470 Granville St.
: Vancouver, B.C.
: V6C 1T2

DATE: AUGUST 14 1989
REPORT#: 890415 GA
JOB#: 890415

PROJECT#: 8904
SAMPLES ARRIVED: AUGUST 3 1989
REPORT COMPLETED: AUGUST 14 1989
ANALYSED FOR: Au ICP

INVOICE#: 890415 NA
TOTAL SAMPLES: 305
SAMPLE TYPE: 305 SOIL
REJECTS: DISCARDED

SAMPLES FROM: DUNVEGAN EXPLORATION LTD.
COPY SENT TO: WHITEHORSE/ALTA/VANCOUVER

PREPARED FOR: DUNVEGAN EXPLORATION LTD.

ANALYSED BY: VGC Staff

SIGNED: Jaime C. Wong

GENERAL REMARK: 8904 T131 : NO SAMPLE

VGC VANGEOCHEM LAB LIMITED

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SAMPLE #	Au ppb
8904 T103	15
8904 T104	30
8904 T105	20
8904 T106	10
8904 T107	10
8904 T108	5
8904 T109	15
8904 T110	25
8904 T111	25
8904 T112	45
8904 T113	5
8904 T114	20
8904 T115	30
8904 T117	30
8904 T118	15
8904 T119	nd
8904 T120	nd
8904 T121	15
8904 T122	25
8904 T123	15
8904 T124	5
8904 T125	5
8904 T126	25
8904 T127	10
8904 T128	10
8904 T129	20
8904 T130	5
8904 T132	10
8904 T133	5
8904 T134	nd
8904 T135	nd
8904 T136	nd
8904 T137	15
8904 T138	nd
8904 T139	10
8904 T140	5
8904 T141	20
8904 T142	20
8904 T143	5
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
8904 T144	5
8904 T145	10
8904 T146	15
8904 T147	5
8904 T148	20
8904 T149	10
8904 T153	20
8904 T154	30
8904 T155	20
8904 T156	nd
8904 T157	10
8904 T158	10
8904 T159	10
8904 T160	20
8904 T161	20
8904 T162	20
8904 T163	20
8904 T164	20
8904 T165	15
8904 T166	15
8904 T167	15
8904 T168	5
8904 T169	30
8904 T170	10
8904 T171	10
8904 T172	15
8904 T173	10
8904 T174	nd
8904 T175	10
8904 T176	10
8904 T178	5
8904 T179	nd
8904 T180	10
8904 T181	15
8904 T182	10
8904 T183	5
8904 T184	nd
8904 T185	15
8904 T186	20
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
8904 T187	5
8904 T188	5
8904 T189	10
8904 T190	10
8904 T191	5
8904 T192	10
8904 T193	5
8904 T194	10
8904 T195	5
8904 T196	5
8904 T197	5
8904 T198	5
8904 T199	10
8904 T200	15
8904 T201	10
8904 T202	10
8904 T203	10
8904 T204	10
8904 T205	10
8904 T206	25
8904 T207	45
8904 T208	25
8904 T209	10
8904 T210	10
8904 T211	15
8904 T212	35
8904 T213	15
8904 T214	25
8904 T215	15
8904 T216	10
8904 T217	5
8904 T218	20
8904 T219	nd
8904 T220	nd
8904 T221	5
8904 T222	10
8904 T223	15
8904 T224	25
8904 T225	nd
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
8904 T226	5
8904 T227	10
8904 T228	nd
8904 T229	nd
8904 T230	30
8904 T231	10
8904 T232	nd
8904 T233	5
8904 T234	15
8904 T235	5
8904 T236	5
8904 T237	10
8904 T238	5
8904 T239	5
8904 T240	10
8904 T241	10
8904 T242	15
8904 T243	5
8904 T244	nd
8904 T245	5
8904 T246	5
8904 T247	10
8904 T248	5
8904 T249	5
8904 T250	15
8904 T251	30
8904 T252	10
8904 T253	10
8904 T254	10
8904 T255	10
8904 T256	nd
8904 T257	nd
8904 T258	5
8904 T259	60
8904 T260	5
8904 T261	5
8904 T262	5
8904 T263	5
8904 T264	5
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
8904 T265	25
8904 T266	10
8904 T267	5
8904 T268	5
8904 T269	nd
8904 T270	5
8904 T271	5
8904 T272	5
8904 T273	5
8904 T274	10
8904 T275	5
8904 T276	5
8904 T277	nd
8904 T278	5
8904 T279	5
8904 T280	20
8904 T281	10
8904 T282	10
8904 T283	nd
8904 T284	10
8904 T285	15
8904 T286	nd
8904 T287	10
8904 T288	5
8904 T289	20
8904 T290	15
8904 T291	10
8904 T292	10
8904 T293	15
8904 T294	10
8904 T295	5
8904 T296	20
8904 T297	10
8904 T298	10
8904 T299	10
8904 T300	5
8904 T301	15
8904 T302	10
8904 T303	20
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
8904 T304	15
8904 T305	25
8904 T306	20
8904 T307	nd
8904 T308	10
8904 T309	20
8904 T310	15
8904 T311	25
8904 T312	25
8904 T313	15
8904 T314	5
8904 T315	5
8904 T316	25
8904 T317	10
8904 T318	20
8904 T319	20
8904 T320	15
8904 T321	15
8904 T322	5
8904 T323	80
8904 T324	5
8904 T325	10
8904 T326	15
8904 T327	15
8904 T328	10
8904 T329	20
8904 T330	10
8904 T331	10
8904 T332	15
8904 T333	15
8904 T334	10
8904 T335	15
8904 T336	10
8904 T337	10
8904 T338	5
8904 T339	40
8904 T340	15
8904 T341	10
8904 T342	30
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
8904 T343	15
8904 T344	10
8904 T345	15
8904 T346	10
8904 T347	10
8904 T348	25
8904 T349	25
8904 T350	20
8904 T351	20
8904 T352	15
8904 T353	25
8904 T354	10
8904 T355	nd
8904 T356	10
8904 T357	5
8904 T358	15
8904 T359	5
8904 T360	20
8904 T361	25
8904 T362	25
8904 T363	15
8904 T364	15
8904 T365	5
8904 T366	15
8904 T367	5
8904 T368	15
8904 T369	10
8904 T370	25
8904 T371	5
8904 T372	25
8904 T373	25
8904 T374	20

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

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GEOCHEMICAL ANALYTICAL REPORT

CLIENT:	**DUNVEGAN EXPLORATION LTD.**	DATE:	AUGUST 14 1989
ADDRESS:	205 - 470 Granville St.		
:	Vancouver, B.C.	**REPORT#:**	**890423 GA**
:	V6C 1T2	JOB#:	890423
PROJECT#:	8904	INVOICE#:	890423 NA
SAMPLES ARRIVED:	AUGUST 8 1989	TOTAL SAMPLES:	79
REPORT COMPLETED:	AUGUST 14 1989	SAMPLE TYPE:	79 SOIL & SILT
ANALYSED FOR:	Au ICP	REJECTS:	DISCARDED

SAMPLES FROM: DUNVEGAN EXPLORATION LTD.
COPY SENT TO: WHITEHORSE/ALTA/VANCOUVER

PREPARED FOR: DUNVEGAN EXPLORATION LTD.

ANALYSED BY: VGC Staff

SIGNED: Jaime C. Wong

GENERAL REMARK: None

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REPORT NUMBER: 890423 GA JOB NUMBER: 890423 **DUNVEGAN EXPLORATION LTD.**

SAMPLE #	Au ppb
8904 T375	15
8904 T376	30
8904 T377	25
8904 T378	25
8904 T379	15
8904 T380	25
8904 T381	20
8904 T382	25
8904 T383	15
8904 T384	25
8904 T385	25
8904 T386	5
8904 T387	30
8904 T388	20
8904 T389	20
8904 T390	5
8904 T391	25
8904 T392	30
8904 T393	10
8904 T394	10
8904 T395	15
8904 T396	25
8904 T397	20
8904 T398	10
8904 T399	10
8904 T400	20
8904 T401	20
8904 T402	30
8904 T403	10
8904 T404	20
8904 T405	15
8904 T406	30
8904 T407	20
8904 T408	60
8904 T409	20
8904 T410	20
8904 T411	30
8904 T412	25
8904 T413	10
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Au ppb
8904 T414	20
8904 T415	10
8904 T416	30
8904 T417	15
8904 T418	10
8904 T419	10
8904 T420	10
8904 T421	20
8904 T422	30
8904 T423	20
8904 T424	5
8904 T425	20
8904 T426	30
8904 T427	20
8904 T428	15
8904 T429	20
8904 T430	20
8904 T431	25
8904 T432	10
8904 T433	15
8904 T434	20
8904 T435	20
8904 T436	20
8904 T437	10
8904 T438	25
8904 T439	20
8904 T440	5
8904 T441	20
8904 T442	10
8904 T443	5
8904 T444	10
8904 T445	10
8904 T446	5
8904 T447	10
8904 T448	15
8904 T449	15
8904 T601 4+25W 1+00S	10
8904 T602	15
8904 T603 200S 167W	15
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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REPORT NUMBER: 890423 GA JOB NUMBER: 890423 **DUNVEGAN EXPLORATION LTD.**

SAMPLE #	Au ppb
8904 T604	5

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED
1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890399 PA | DUNVEGAN RES | Proj: 8904 | Date In: 89/08/01 | Date Out:89/08/11 | Att: W TAYLOR |

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
8904-P1	0.2	1.05	<3	146	<3	0.33	0.6	10	55	16	1.45	0.01	0.41	391	<1	0.01	38	0.03	16	<2	3	15	<5	<3	52
8904-P2	0.2	1.40	<3	171	<3	0.39	0.3	11	66	17	1.75	0.11	0.63	270	<1	0.02	49	0.04	14	<2	4	18	<5	<3	58
8904-P3	0.1	1.24	<3	131	<3	0.33	0.1	9	56	16	1.61	0.09	0.56	199	<1	0.02	38	0.02	13	<2	3	16	<5	<3	42
8904-P4	0.2	0.82	<3	154	<3	0.24	0.1	9	17	15	0.88	0.01	0.19	888	<1	0.01	33	0.04	8	<2	<2	14	<5	<3	45
8904-P5	0.3	0.90	8	273	<3	2.05	1.1	12	81	39	2.91	0.01	1.02	1759	1	0.02	168	0.12	14	<2	3	100	<5	<3	79
8904-P7	0.1	1.28	7	187	<3	0.94	0.6	12	72	30	2.53	0.01	1.09	413	1	0.02	49	0.08	19	<2	4	50	<5	<3	71
8904-T5	0.1	1.43	20	150	<3	0.24	0.1	13	84	19	1.98	0.09	0.73	244	1	0.02	62	0.02	16	<2	4	18	<5	<3	41
8904-T6	0.2	2.03	6	353	<3	0.46	0.3	14	54	36	2.39	0.14	0.77	405	1	0.02	55	0.04	20	<2	3	33	<5	<3	64
8904-T8	0.3	0.58	<3	502	<3	2.14	0.1	3	20	24	0.90	0.35	0.68	692	<1	0.01	37	0.14	6	<2	<2	110	<5	<3	69
8904-T9	0.1	1.20	4	162	<3	0.19	0.1	10	47	15	1.65	0.07	0.59	195	<1	0.01	31	0.01	15	<2	3	14	<5	<3	40
8904-T10	0.4	0.67	<3	291	<3	1.68	0.1	4	11	29	0.53	0.27	0.44	664	<1	0.01	27	0.11	8	<2	<2	69	<5	<3	68
8904-T11	0.2	0.45	<3	196	<3	3.06	0.6	3	19	42	0.35	0.47	0.75	443	<1	0.01	71	0.13	5	<2	<2	94	<5	<3	92
8904-T12	0.1	1.39	4	196	<3	0.93	0.2	14	95	55	1.71	0.01	1.00	350	<1	0.02	133	0.08	13	<2	3	36	<5	<3	88
8904-T13	0.2	1.67	9	183	<3	0.20	0.6	16	115	19	2.30	0.10	1.00	198	1	0.01	87	0.03	16	<2	3	14	<5	<3	47
8904-T14	0.3	1.83	14	149	3	0.18	0.7	17	139	22	2.81	0.01	1.11	257	1	0.02	102	0.03	18	<2	4	15	<5	<3	53
8904-T15	0.2	1.93	6	145	<3	0.20	0.2	12	75	30	2.18	0.09	0.80	227	1	0.01	50	0.02	17	<2	3	17	<5	<3	47
8904-T16	0.2	1.54	<3	178	<3	0.22	0.1	11	44	23	1.81	0.08	0.66	227	<1	0.02	34	0.02	17	<2	3	15	<5	<3	46
8904-T17	0.1	1.38	6	164	<3	0.20	0.2	11	35	18	1.80	0.08	0.57	270	<1	0.02	25	0.02	17	<2	3	14	<5	<3	48
8904-T18	0.2	1.95	5	212	<3	0.18	0.5	14	46	24	2.52	0.10	0.68	324	1	0.02	37	0.03	21	<2	4	15	<5	<3	94
8904-T19	0.1	1.55	9	218	<3	0.20	0.6	17	121	18	2.24	0.10	0.96	523	1	0.01	77	0.03	17	<2	3	16	<5	<3	67
8904-T20	0.1	1.28	3	152	<3	0.22	0.3	12	75	21	1.88	0.09	0.88	259	1	0.02	66	0.02	18	<2	3	16	<5	<3	48
8904-T21	0.2	1.32	9	156	<3	0.24	0.1	14	87	21	1.94	0.01	1.11	313	1	0.02	76	0.02	17	<2	3	17	<5	<3	50
8904-T22	0.1	0.92	<3	418	<3	1.20	0.1	11	22	38	1.13	0.22	0.56	920	<1	0.01	56	0.05	12	<2	2	54	<5	<3	40
8904-T23	0.1	1.11	6	110	<3	0.18	0.1	9	39	15	1.58	0.07	0.53	154	<1	0.01	30	0.01	13	<2	3	14	<5	<3	33
8904-T24	0.2	1.42	<3	143	<3	0.18	0.1	9	49	16	1.59	0.07	0.58	173	1	0.02	31	0.01	16	<2	3	15	<5	<3	36
8904-T25	0.2	0.48	<3	271	<3	0.89	0.1	5	8	12	0.47	0.15	0.28	1695	1	0.01	10	0.06	6	<2	<2	50	<5	<3	38
8904-T26	0.1	0.57	<3	148	<3	0.61	0.1	4	13	13	0.68	0.11	0.25	121	<1	0.01	12	0.05	7	<2	<2	36	<5	<3	36
8904-T27	0.3	1.00	<3	356	<3	1.29	0.1	10	27	35	1.19	0.23	0.53	1164	1	0.01	31	0.18	11	<2	<2	70	<5	<3	41
8904-T28	0.2	1.08	<3	143	<3	0.17	0.1	11	55	15	1.36	0.06	0.52	163	<1	0.01	98	0.01	13	<2	3	13	<5	<3	31
8904-T29	0.2	1.44	<3	165	<3	0.21	0.1	10	35	17	1.94	0.09	0.50	202	1	0.01	26	0.02	18	<2	3	15	<5	<3	52
8904-T30	0.1	1.29	<3	142	<3	0.23	0.1	10	51	17	1.59	0.08	0.70	169	1	0.01	32	0.01	16	<2	4	14	<5	<3	37
8904-T31	0.1	1.20	<3	343	<3	2.70	0.1	5	28	106	1.00	0.01	0.75	317	<1	0.01	85	0.11	10	<2	<2	89	<5	<3	82
8904-T32	0.2	1.89	<3	231	<3	0.25	0.1	13	40	17	2.05	0.10	0.61	222	1	0.02	31	0.02	19	<2	3	17	<5	<3	50
8904-T33	0.2	1.62	3	216	<3	0.21	0.2	12	34	16	1.88	0.09	0.57	367	1	0.02	25	0.02	17	<2	3	16	<5	<3	42
8904-T34	0.1	1.41	3	197	<3	0.25	0.3	11	53	20	1.81	0.09	0.77	358	1	0.02	47	0.04	17	<2	3	17	<5	<3	68
8904-T35	0.2	1.96	3	260	<3	0.18	0.6	16	47	21	2.71	0.01	0.63	478	1	0.02	38	0.05	24	<2	4	14	<5	<3	101
8904-T36	0.1	1.56	<3	148	<3	0.17	0.1	9	36	14	1.69	0.07	0.52	186	1	0.02	24	0.02	18	<2	4	13	<5	<3	46
8904-T37	0.1	1.58	<3	178	<3	0.20	0.1	14	96	20	1.89	0.08	0.81	372	1	0.01	60	0.02	16	<2	3	14	<5	<3	52
8904-T38	0.3	1.34	<3	158	<3	0.18	0.1	9	59	17	1.56	0.07	0.63	193	1	0.01	41	0.02	15	<2	3	13	<5	<3	44
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

PHIL

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: B90399 PA | DUNVEGAN RES | Proj: B904 | Date In: 89/08/01 | Date Out:89/08/11 | Att: W TAYLOR |

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
8904-T39	0.2	1.13	<3	121	<3	0.15	0.1	9	44	14	1.51	0.01	<0.01	227	1	0.01	31	0.02	14	<2	3	11	<5	<3	44
8904-T40	0.3	1.44	12	125	<3	0.18	0.1	11	54	21	1.97	0.01	0.67	184	<1	0.01	35	0.03	15	<2	3	12	<5	<3	53
8904-T41	0.1	1.65	3	223	<3	0.20	0.5	19	80	25	2.26	0.10	0.69	1004	1	0.01	65	0.08	18	<2	3	16	<5	<3	108
8904-T42	0.1	1.45	8	206	<3	0.21	0.4	17	73	22	2.19	0.10	0.77	492	1	0.02	56	0.05	17	<2	4	15	<5	<3	126
8904-T43	0.2	1.94	16	186	<3	0.27	0.1	17	53	33	2.58	0.12	0.92	407	1	0.02	51	0.04	20	<2	3	19	<5	<3	65
8904-T44	0.1	3.12	886	464	<3	1.14	0.1	37	67	90	2.83	0.26	1.18	1508	<1	0.02	1318	0.08	20	3	2	79	<5	<3	62
8904-T45	0.1	0.46	<3	151	<3	2.94	0.1	1	4	15	0.27	0.45	0.18	260	<1	0.01	23	0.09	<2	<2	<2	87	<5	<3	37
8904-T47	0.1	1.25	4	171	<3	0.28	0.1	12	34	21	1.84	0.10	0.52	564	1	0.01	27	0.03	15	<2	3	18	<5	<3	67
8904-T48	0.1	0.85	<3	236	<3	0.77	0.1	9	16	22	0.98	0.15	0.25	692	<1	0.01	23	0.08	8	<2	<2	42	<5	<3	50
8904-T49	0.3	1.30	<3	216	<3	0.51	0.1	12	34	26	1.51	0.12	0.59	751	<1	0.01	30	0.03	14	<2	3	27	<5	<3	61
8904-T50	0.2	0.55	<3	362	<3	2.53	0.1	5	15	17	0.52	0.40	0.51	652	<1	0.01	22	0.08	4	<2	<2	112	<5	<3	100
8904-T51	0.1	0.70	<3	468	<3	1.82	0.1	10	16	65	0.87	0.31	0.58	3340	2	0.01	82	0.12	7	<2	<2	102	<5	<3	44
8904-T52	0.1	2.03	4	382	<3	0.88	0.4	16	49	73	2.00	0.19	0.84	1071	1	0.02	61	0.08	17	<2	2	52	<5	<3	73
8904-T53	0.2	1.48	<3	297	<3	1.06	0.3	13	38	39	1.56	0.01	0.60	967	1	0.01	46	0.13	12	<2	<2	57	<5	<3	55
8904-T54	0.2	0.72	<3	284	<3	2.35	0.5	7	42	40	0.62	0.37	0.75	910	<1	0.01	105	0.16	5	<2	<2	84	<5	<3	44
8904-T55	0.1	1.52	<3	381	<3	0.60	0.1	9	87	37	1.38	0.13	0.69	291	<1	0.01	152	0.12	12	<2	2	39	<5	<3	60
8904-T56	0.1	1.29	10	191	<3	0.17	0.6	34	234	15	2.33	0.10	1.61	1050	1	0.01	154	0.04	18	<2	4	15	<5	<3	94
8904-T57	0.3	1.00	3	158	<3	0.21	0.1	12	78	15	1.49	0.07	0.89	249	1	0.01	65	0.02	13	<2	3	15	<5	<3	36
8904-T58	0.1	1.21	<3	144	<3	0.15	0.1	8	39	12	1.41	0.06	0.50	172	<1	0.01	27	0.01	14	<2	3	12	<5	<3	39
8904-T59	0.4	2.19	7	207	<3	0.21	0.4	16	73	22	2.49	0.10	0.70	297	1	0.02	67	0.03	22	<2	4	14	<5	<3	67
8904-T60	0.4	1.05	<3	108	<3	0.18	0.1	10	48	14	1.63	0.07	0.44	268	1	0.01	29	0.03	17	<2	3	14	<5	<3	89
8904-T61	0.1	1.08	<3	135	<3	0.12	0.1	7	32	13	1.24	0.05	0.36	210	<1	0.01	24	0.02	12	<2	2	11	<5	<3	38
8904-T62	0.2	1.69	5	195	<3	0.21	0.1	12	53	19	2.07	0.09	0.73	242	1	0.02	41	0.03	19	<2	3	17	<5	<3	51
8904-T63	0.2	1.22	<3	161	<3	0.22	0.3	9	57	14	1.65	0.08	0.61	203	<1	0.01	32	0.01	15	<2	3	16	<5	<3	39
8904-T64	0.4	1.99	7	200	<3	0.25	0.5	14	53	26	2.55	0.11	0.98	269	1	0.02	39	0.03	20	<2	4	17	<5	<3	96
8904-T65	0.4	2.10	7	222	<3	0.24	0.8	17	54	28	2.65	0.11	0.94	440	1	0.02	43	0.03	22	<2	4	17	<5	<3	83
8904-T66	0.4	2.19	7	298	<3	0.34	0.6	20	49	41	2.82	0.13	0.69	849	1	0.02	50	0.07	24	<2	4	19	<5	<3	211
8904-T67	0.4	1.49	12	183	<3	0.21	0.5	13	43	22	2.13	0.09	0.66	411	1	0.02	35	0.04	18	<2	4	16	<5	<3	91
8904-T68	0.1	2.18	34	252	<3	0.31	0.5	18	79	37	3.10	0.14	1.21	1364	2	0.02	67	0.04	22	<2	3	19	<5	<3	69
8904-T69	0.1	0.35	<3	338	<3	2.51	0.1	2	4	24	0.22	0.38	0.37	249	<1	0.01	42	0.09	3	<2	<2	102	<5	<3	48
8904-T70	0.1	1.65	21	184	3	0.32	0.6	23	228	26	2.59	0.12	2.50	298	2	0.01	244	0.04	17	<2	4	19	<5	<3	66
8904-T71	0.1	0.92	<3	226	<3	2.03	0.1	5	35	42	0.73	0.32	0.63	213	<1	0.01	91	0.15	6	<2	<2	72	<5	<3	53
8904-T72	0.1	0.99	3	128	<3	0.23	0.1	8	43	14	1.37	0.07	0.54	226	<1	0.01	38	0.02	15	<2	3	15	<5	<3	43
8904-T73	0.4	1.38	3	183	<3	0.22	0.3	12	56	17	1.91	0.09	0.67	325	1	0.01	40	0.02	17	<2	3	15	<5	<3	57
8904-T74	0.4	1.82	4	302	<3	0.22	0.4	16	74	27	2.59	0.11	0.77	571	1	0.02	107	0.03	22	<2	4	19	<5	<3	68
8904-T75	0.2	1.09	<3	129	<3	0.15	0.1	10	67	11	1.41	0.06	0.74	189	1	0.01	56	0.01	14	<2	3	14	<5	<3	40
8904-T76	0.4	1.16	<3	149	<3	0.18	0.1	9	39	12	1.43	0.07	0.48	192	1	0.01	29	0.01	16	<2	4	13	<5	<3	41
8904-T77	0.1	1.61	6	149	<3	0.20	0.3	12	79	19	2.08	0.09	0.69	210	1	0.01	41	0.04	16	<2	3	13	<5	<3	52
8904-T78	0.3	1.72	18	158	<3	0.25	0.6	17	82	35	2.55	0.11	0.98	342	1	0.02	63	0.03	18	<2	3	16	<5	<3	57
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: 890399 PA DUNVEGAN RES Proj: 8904 Date In: 89/08/01 Date Out:89/08/11 Att: W TAYLOR

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
8904-T79	0.1	1.56	<3	165	<3	0.18	0.5	10	42	17	1.80	0.08	0.59	197	1	0.01	29	0.02	15	<2	3	13	<5	<3	55
8904-T80	0.1	1.42	<3	163	<3	0.24	0.2	12	42	24	1.89	0.09	0.67	302	1	0.01	36	0.04	15	<2	3	16	<5	<3	50
8904-T81	0.4	2.26	9	353	<3	0.22	0.8	23	48	28	3.23	0.13	0.64	1291	2	0.02	48	0.11	27	<2	4	20	<5	<3	119
8904-T82	0.1	0.94	<3	148	<3	0.11	0.1	6	15	10	1.04	0.04	0.24	133	<1	0.01	12	0.03	13	<2	2	11	<5	<3	37
8904-T83	0.3	1.21	<3	192	<3	0.21	0.1	8	26	16	1.65	0.08	0.51	195	1	0.02	19	0.03	16	<2	3	17	<5	<3	54
8904-T84	0.4	1.58	<3	259	<3	0.21	0.3	14	30	21	2.08	0.09	0.50	349	1	0.02	26	0.05	22	<2	4	17	<5	<3	81
8904-T85	0.1	1.11	<3	142	<3	0.21	0.1	9	30	13	1.38	0.07	0.49	249	<1	0.01	24	0.03	15	<2	3	15	<5	<3	44
8904-T86	0.3	0.83	<3	142	<3	0.17	0.1	9	24	13	1.11	0.06	0.36	283	<1	0.01	14	0.02	16	<2	4	14	<5	<3	50
8904-T87	0.3	1.26	<3	187	<3	0.21	0.2	9	33	15	1.65	0.08	0.52	220	1	0.01	23	0.03	17	<2	3	15	<5	<3	48
8904-T88	0.1	1.68	<3	168	<3	0.17	0.3	9	40	17	1.79	0.08	0.57	190	1	0.01	32	0.02	17	<2	3	13	<5	<3	40
8904-T89	0.3	1.36	<3	188	<3	0.17	0.1	9	26	13	1.64	0.07	0.41	172	1	0.01	19	0.02	17	<2	4	13	<5	<3	58
8904-T90	0.1	1.58	<3	215	<3	0.20	0.3	15	46	18	1.92	0.08	0.60	278	1	0.01	43	0.04	18	<2	3	17	<5	<3	64
8904-T91	0.1	1.04	<3	141	<3	0.19	0.1	7	34	13	1.36	0.07	0.46	177	1	0.01	23	0.02	14	<2	3	14	<5	<3	41
8904-T92	0.4	1.11	<3	139	<3	0.16	0.3	17	33	16	1.81	0.08	0.44	350	1	0.01	28	0.05	17	<2	4	13	<5	<3	86
8904-T93	0.1	1.28	3	175	<3	0.19	0.2	10	46	15	1.71	0.08	0.58	248	1	0.01	34	0.03	16	<2	3	15	<5	<3	49
8904-T94	0.3	1.73	<3	222	<3	0.20	0.5	13	39	17	2.26	0.10	0.58	263	1	0.01	33	0.04	20	<2	3	16	<5	<3	92
8904-T95	0.3	1.17	<3	188	<3	0.22	0.1	8	32	14	1.43	0.07	0.48	209	1	0.01	24	0.03	14	<2	3	17	<5	<3	45
8904-T96	0.1	1.10	<3	142	<3	0.17	0.1	11	35	11	1.32	0.06	0.42	275	1	0.01	23	0.02	13	<2	3	12	<5	<3	43
8904-T97	0.2	0.88	<3	193	<3	0.18	0.2	10	30	10	1.25	0.06	0.27	323	<1	0.01	21	0.03	13	<2	3	15	<5	<3	42
8904-T98	0.1	1.15	5	155	<3	0.25	0.1	12	51	20	1.69	0.09	0.53	206	1	0.01	47	0.02	13	<2	3	17	<5	<3	37
8904-T99	0.2	0.84	196	275	<3	1.50	1.1	15	168	36	3.14	0.32	1.19	618	1	0.01	172	0.12	13	<2	3	76	<5	<3	64
8904-T100	0.1	0.71	<3	257	<3	2.51	0.1	3	29	70	0.54	0.39	0.47	203	<1	0.01	71	0.09	5	<2	2	69	<5	<3	96
8904-T101	0.1	1.33	22	177	<3	0.60	0.3	14	113	27	2.03	0.15	1.02	346	1	0.01	86	0.06	15	<2	3	27	<5	<3	62
8904-T102	0.4	1.54	21	308	<3	0.34	0.6	13	78	28	2.76	0.13	0.79	607	1	0.02	61	0.03	20	<2	4	22	<5	<3	52
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890415 PA | DUNVEGAN EXPL LTD | Proj: 8904 | Date In: 89/08/03 | Date Out:89/08/16 | Att: W TAYLOR |

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
8904 B123	0.4	1.39	21	158	<3	0.39	1.2	34	332	17	3.28	0.16	1.62	388	1	0.02	137	0.03	18	<2	4	21	<5	<3	45
8904 B124	0.1	2.46	60	365	<3	0.61	1.5	85	415	27	4.77	0.24	3.24	896	3	0.02	715	0.16	34	<2	5	50	<5	<3	108
8904 B125	0.3	1.76	21	407	<3	0.43	1.1	41	213	23	3.51	0.17	1.33	717	1	0.02	207	0.06	21	<2	5	33	<5	<3	103
8904 B126	0.1	1.74	28	262	<3	0.54	1.1	54	363	24	3.79	0.20	2.36	1040	2	0.02	312	0.06	23	<2	5	37	<5	<3	100
8904 B127	0.1	1.25	11	463	<3	0.61	0.3	27	144	31	2.33	0.16	1.08	963	<1	0.01	171	0.06	12	<2	4	45	<5	<3	60
8904 B128	0.3	1.89	17	305	<3	0.46	0.6	29	185	31	3.01	0.16	1.40	649	1	0.02	173	0.06	20	<2	4	32	<5	<3	71
8904 B129	0.3	1.85	67	465	<3	0.55	1.1	33	226	31	3.93	0.21	1.51	1191	2	0.02	167	0.13	28	<2	4	35	<5	<3	123
8904 B130	0.2	2.13	12	459	<3	0.51	0.7	22	87	34	2.94	0.17	0.82	784	1	0.02	155	0.15	26	<2	3	32	<5	<3	206
8904 B131	0.1	1.53	23	202	<3	0.50	1.2	34	427	25	4.13	0.20	2.74	626	2	0.02	179	0.07	23	<2	4	27	<5	<3	80
8904 B132	0.1	1.69	16	338	<3	0.67	0.7	25	147	52	3.14	0.20	1.09	1060	1	0.02	128	0.06	24	<2	4	78	<5	<3	133
8904 B133	0.2	2.55	30	256	<3	0.71	3.8	79	386	74	4.04	0.24	2.45	1953	3	0.02	620	0.09	28	<2	4	128	<5	<3	375
8904 B134	0.5	2.38	15	436	<3	0.67	1.4	28	76	34	3.16	0.20	0.92	1030	2	0.02	114	0.11	27	<2	4	52	<5	<3	223
8904 B135	0.1	2.44	12	404	<3	0.58	0.6	21	67	26	2.97	0.18	0.89	720	2	0.02	78	0.08	29	<2	3	41	<5	<3	172
8904 B136	0.1	2.20	24	260	<3	0.72	0.6	27	100	31	3.15	0.21	1.25	698	2	0.01	116	0.08	28	<2	3	61	<5	<3	110
8904 B137	0.3	2.86	34	276	<3	0.54	1.1	35	133	34	4.21	0.22	1.31	1163	2	0.02	150	0.10	39	<2	4	58	<5	<3	240
8904 B138	0.1	2.13	22	235	<3	0.53	0.7	25	99	34	3.35	0.19	1.26	759	2	0.02	116	0.07	34	<2	3	56	<5	<3	155
8904 B139	0.3	1.90	49	192	<3	0.62	1.1	40	397	46	3.43	0.20	6.21	485	2	0.02	964	0.08	24	<2	4	47	<5	<3	88
8904 B140	0.1	1.49	51	140	<3	0.29	0.5	134	535	18	3.82	0.16	1.79	643	1	0.01	922	0.03	19	<2	4	34	<5	<3	48
8904 B141	0.2	1.54	16	201	<3	0.39	0.3	31	173	37	2.46	0.14	1.02	645	1	0.02	308	0.08	18	<2	4	51	<5	<3	307
8904 B142	0.2	1.65	39	169	3	0.54	1.7	81	972	31	5.57	0.26	5.58	829	2	0.01	603	0.05	24	<2	6	70	<5	<3	127
8904 B143	0.1	1.78	16	322	<3	0.50	1.7	23	72	47	3.18	0.18	0.58	1340	2	0.01	58	0.07	27	<2	2	62	<5	<3	174
8904 B144	0.2	2.31	32	155	<3	4.35	1.7	22	56	109	3.45	0.75	2.01	942	2	0.02	110	0.18	35	<2	3	313	<5	<3	288
8904 B145	0.4	2.50	26	233	<3	0.59	1.2	24	44	33	3.88	0.21	1.37	670	2	0.02	61	0.13	36	<2	5	63	<5	<3	292
8904 B146	0.1	2.03	16	229	<3	0.39	0.2	20	59	25	2.78	0.15	0.87	620	1	0.02	54	0.04	24	<2	4	42	<5	<3	127
8904 B147	0.5	3.04	21	704	<3	0.64	1.2	46	179	72	4.08	0.23	1.20	2922	2	0.03	256	0.14	31	<2	3	67	<5	<3	588
8904 B148	0.1	2.99	50	543	<3	0.62	0.5	21	104	25	4.23	0.23	0.98	568	2	0.02	89	0.04	28	<2	2	56	<5	<3	128
8904 B149	0.4	2.19	37	324	<3	0.40	0.1	20	116	19	3.19	0.16	0.69	560	2	0.02	115	0.03	24	<2	3	36	<5	<3	80
8904 B150	0.4	2.43	29	304	<3	0.28	0.2	16	88	33	2.91	0.13	1.36	485	1	0.02	56	0.05	29	<2	3	37	<5	<3	87
8904 B151	0.3	1.81	29	221	<3	0.25	0.1	13	91	21	2.62	0.12	1.16	391	1	0.02	46	0.05	27	<2	4	31	<5	<3	75
8904 B152	0.3	2.35	22	372	<3	0.42	0.7	15	80	44	2.90	0.16	1.85	404	1	0.02	71	0.04	26	<2	3	86	<5	<3	139
8904 B154	0.4	2.45	17	385	<3	0.63	1.5	26	64	34	3.46	0.21	0.72	2219	3	0.02	60	0.06	35	<2	3	53	<5	<3	505
8904 B155	0.3	4.30	24	417	<3	0.50	1.1	18	57	32	3.73	0.19	1.27	945	2	0.02	33	0.06	35	<2	2	66	<5	<3	215
8904 B156	0.1	0.37	<3	125	<3	9.63	0.1	1	2	24	0.25	1.44	1.24	210	<1	0.01	18	0.15	6	<2	2	962	<5	<3	30
8904 B157	0.1	0.78	3	190	<3	>10.00	0.1	5	25	21	0.93	1.69	1.23	292	<1	0.01	35	0.13	14	<2	<2	1029	<5	<3	78
8904 B158	0.1	0.33	<3	123	<3	7.06	0.6	3	2	20	0.22	1.08	1.63	139	<1	0.01	25	0.22	4	<2	2	977	<5	<3	104
8904 B159	0.5	2.99	20	772	<3	1.40	1.2	17	92	84	3.36	0.33	3.14	307	1	0.02	96	0.12	28	<2	5	344	<5	<3	133
8904 B160	0.2	2.09	27	530	<3	0.69	1.1	21	105	28	3.45	0.22	0.75	1796	1	0.02	84	0.06	24	<2	3	79	<5	<3	147
8904 B161	0.4	2.51	28	372	<3	0.62	0.7	19	72	40	3.21	0.19	0.95	574	1	0.02	72	0.07	26	<2	5	63	<5	<3	81
8904 B162	0.4	2.36	11	586	<3	0.69	0.3	18	62	53	3.06	0.20	0.85	908	1	0.02	72	0.13	26	<2	4	62	<5	<3	158
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

BUG

REPORT #: 890415 PA DUNVEGAN EXPL LTD Proj: 8904 Date In: 89/08/03 Date Out:89/08/16 Att: W TAYLOR

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
8904 T103	0.2	1.75	18	291	<3	0.33	0.5	21	50	30	2.34	0.12	0.79	977	2	0.02	49	0.06	23	<2	3	25	<5	<3	87
8904 T104	0.2	1.77	15	234	<3	0.29	0.2	15	65	25	2.47	0.12	0.80	295	2	0.01	52	0.04	18	<2	4	24	<5	<3	78
8904 T105	0.1	1.72	18	205	<3	0.30	0.3	14	41	20	2.30	0.11	0.63	312	2	0.01	31	0.04	20	<2	4	21	<5	<3	78
8904 T106	0.1	1.59	13	224	<3	0.29	0.1	13	40	20	2.09	0.11	0.64	326	1	0.01	37	0.03	17	<2	3	22	<5	<3	74
8904 T107	0.2	1.72	18	174	<3	0.29	0.1	13	48	25	2.22	0.11	0.76	232	2	0.01	40	0.02	17	<2	3	23	<5	<3	49
8904 T108	0.2	1.41	8	158	<3	0.34	0.1	10	32	20	1.86	0.11	0.55	200	2	0.01	22	0.03	15	<2	4	27	<5	<3	49
8904 T109	0.1	1.47	11	183	<3	0.33	0.1	11	46	24	1.95	0.11	0.78	243	2	0.01	42	0.03	15	<2	4	24	<5	<3	45
8904 T110	0.1	0.43	<3	331	<3	1.17	0.1	3	10	15	0.44	0.18	0.56	345	<1	0.01	34	0.06	7	<2	2	87	<5	<3	32
8904 T111	0.2	0.27	<3	149	<3	0.85	0.1	2	1	9	0.27	0.13	0.38	175	<1	0.01	17	0.04	3	<2	2	64	<5	<3	26
8904 T112	0.2	1.89	16	247	<3	0.40	0.1	14	57	21	2.38	0.13	0.89	286	2	0.01	46	0.02	18	<2	3	29	<5	<3	61
8904 T113	0.2	1.70	12	297	<3	0.56	0.1	16	50	34	2.22	0.15	0.74	511	2	0.01	99	0.03	17	<2	3	37	<5	<3	62
8904 T114	0.1	1.85	43	204	<3	0.18	2.5	193	917	28	7.65	0.28	>10.00	3469	3	0.01	1076	0.17	28	<2	4	21	<5	<3	117
8904 T115	0.2	1.40	19	158	<3	0.09	0.6	45	326	18	2.61	0.10	2.19	754	2	0.01	309	0.06	16	<2	3	16	<5	<3	56
8904 T117	0.2	1.49	14	248	<3	0.36	0.2	17	39	22	2.14	0.12	0.56	470	2	0.01	32	0.06	18	<2	3	28	<5	<3	60
8904 T118	0.4	1.50	9	203	<3	0.19	0.1	14	30	18	2.13	0.09	0.41	345	1	0.01	17	0.06	18	<2	3	17	<5	<3	81
8904 T119	0.2	1.61	8	289	<3	0.22	0.2	17	34	19	2.24	0.10	0.43	479	1	0.02	22	0.06	21	<2	3	20	<5	<3	81
8904 T120	0.3	1.90	22	274	<3	0.23	0.1	21	53	23	2.71	0.12	0.65	520	3	0.02	44	0.07	24	<2	4	21	<5	<3	133
8904 T121	0.1	1.36	11	172	<3	0.27	0.1	10	39	17	1.74	0.09	0.57	239	1	0.01	29	0.03	14	<2	3	21	<5	<3	49
8904 T122	0.2	1.27	8	208	<3	0.28	0.1	13	46	14	1.65	0.09	0.53	339	1	0.01	26	0.03	17	<2	3	21	<5	<3	48
8904 T123	0.1	1.79	14	226	<3	0.30	0.1	14	73	21	2.12	0.11	0.87	242	2	0.01	50	0.03	18	<2	4	22	<5	<3	53
8904 T124	0.2	2.17	11	246	<3	0.28	0.1	15	53	23	2.31	0.11	0.70	248	2	0.01	59	0.03	19	<2	3	22	<5	<3	61
8904 T125	0.2	1.68	11	205	<3	0.26	0.1	12	34	18	1.99	0.10	0.58	241	1	0.01	26	0.03	18	<2	4	20	<5	<3	52
8904 T126	0.2	1.88	11	238	<3	0.23	0.1	13	36	19	2.20	0.10	0.64	264	2	0.01	27	0.03	18	<2	4	19	<5	<3	58
8904 T127	0.2	1.75	11	199	<3	0.26	0.1	14	34	19	2.04	0.10	0.58	309	2	0.01	27	0.04	17	<2	3	20	<5	<3	50
8904 T128	0.1	1.46	8	209	<3	0.29	0.1	13	39	20	2.00	0.10	0.58	323	1	0.01	24	0.03	14	<2	4	21	<5	<3	56
8904 T129	0.2	1.41	14	205	<3	0.27	0.1	15	42	21	2.09	0.10	0.53	392	2	0.02	39	0.03	17	<2	3	21	<5	<3	52
8904 T130	0.2	1.79	27	240	<3	0.26	0.1	14	55	30	2.55	0.12	0.68	373	3	0.02	64	0.04	28	<2	3	23	<5	<3	77
8904 T132	0.1	0.45	20	309	<3	3.07	0.7	25	86	61	0.83	0.47	1.45	1752	1	0.01	318	0.13	16	<2	2	124	<5	<3	154
8904 T133	0.1	0.53	8	170	<3	2.24	0.1	11	38	21	0.74	0.35	0.77	964	1	0.01	46	0.11	10	<2	2	77	<5	<3	94
8904 T134	0.1	0.45	<3	112	<3	1.34	0.1	2	5	37	0.45	0.20	0.33	62	<1	0.01	23	0.08	3	<2	<2	47	<5	<3	31
8904 T135	0.2	2.01	23	203	<3	0.28	0.1	17	136	25	2.39	0.11	0.89	436	2	0.01	68	0.02	18	<2	3	19	<5	<3	48
8904 T136	0.4	0.92	<3	401	<3	3.83	0.1	7	37	39	0.83	0.58	0.65	1135	<1	0.01	72	0.12	8	<2	<2	105	<5	<3	166
8904 T137	0.2	2.23	26	264	<3	0.32	0.3	17	118	27	2.54	0.12	0.98	317	2	0.02	86	0.02	21	<2	4	23	<5	<3	57
8904 T138	0.3	1.62	9	219	<3	0.22	0.2	15	40	19	1.88	0.09	0.61	410	2	0.01	30	0.03	22	<2	4	18	<5	<3	72
8904 T139	0.3	1.59	16	181	<3	0.25	0.1	13	46	21	2.06	0.10	0.69	300	2	0.02	43	0.03	21	<2	4	19	<5	<3	60
8904 T140	0.2	1.12	11	146	<3	0.16	0.2	8	31	14	1.35	0.06	0.43	171	1	0.01	26	0.02	15	<2	2	13	<5	<3	38
8904 T141	0.3	1.40	10	179	<3	0.26	0.2	12	34	17	1.78	0.09	0.57	331	1	0.01	28	0.03	18	<2	3	20	<5	<3	55
8904 T142	0.3	2.36	25	454	<3	0.36	0.7	22	60	50	2.71	0.14	0.65	806	2	0.02	102	0.08	24	<2	3	35	<5	<3	109
8904 T143	0.4	1.90	29	351	<3	0.31	0.2	27	149	27	3.32	0.14	0.91	513	3	0.01	132	0.06	27	<2	3	24	<5	<3	77
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: 890415 PA DUNVEGAN EXPL LTD Proj: 8904 Date In: 89/08/03 Date Out:89/08/16 Att: W TAYLOR

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
8904 T144	0.2	1.04	7	128	<3	0.26	0.2	10	41	18	1.77	0.08	0.47	152	1	0.01	26	0.04	16	<2	4	18	<5	<3	81
8904 T145	0.3	2.21	8	384	<3	0.45	0.2	14	55	51	2.63	0.14	0.94	335	1	0.04	73	0.04	19	<2	3	31	<5	<3	66
8904 T146	0.2	2.39	15	191	3	0.23	0.6	25	304	22	3.67	0.13	2.60	445	1	0.01	227	0.03	25	<2	5	22	<5	<3	79
8904 T147	2.8	2.01	9	206	<3	0.23	0.1	14	79	17	2.42	0.96	0.87	340	1	0.02	85	0.02	20	<2	3	20	<5	<3	62
8904 T148	0.2	2.10	3	315	<3	0.29	0.1	15	64	22	2.21	0.09	1.05	485	1	0.02	74	0.02	21	<2	3	24	<5	<3	56
8904 T149	0.3	2.60	7	413	<3	0.32	0.3	23	78	23	2.64	0.11	1.10	839	1	0.01	119	0.06	22	<2	3	28	<5	<3	52
8904 T153	0.1	1.73	4	299	<3	0.38	0.1	13	45	22	2.26	0.91	0.66	268	1	0.02	40	0.03	17	<2	3	28	<5	<3	42
8904 T154	0.2	1.51	9	216	<3	0.28	0.1	14	38	19	2.30	0.88	0.54	305	1	0.02	25	0.05	20	<2	3	21	<5	<3	55
8904 T155	0.2	1.49	12	231	<3	0.34	0.1	14	54	22	2.06	0.09	0.80	308	1	0.02	48	0.04	19	<2	3	23	<5	<3	72
8904 T156	0.1	0.54	<3	424	<3	2.80	0.1	1	4	13	0.36	0.34	0.54	127	<1	0.01	23	0.10	2	<2	<2	126	<5	<3	68
8904 T157	0.1	0.42	<3	495	<3	2.06	0.1	3	89	13	0.53	0.25	1.02	158	<1	0.01	53	0.06	5	<2	2	161	<5	<3	72
8904 T158	0.2	0.33	<3	148	<3	0.71	0.1	2	15	7	0.39	0.80	0.38	141	<1	0.01	18	0.06	4	<2	<2	55	<5	<3	34
8904 T159	0.2	0.51	4	336	<3	2.70	0.1	3	14	24	0.45	0.31	1.11	282	<1	0.01	74	0.10	11	<2	2	177	<5	<3	49
8904 T160	0.1	0.52	<3	294	<3	1.39	0.1	3	6	31	0.51	0.16	0.51	160	<1	0.01	76	0.05	11	<2	2	77	<5	<3	42
8904 T161	0.1	0.43	121	259	<3	2.84	0.5	8	56	79	1.05	0.31	0.88	310	8	0.01	1155	0.16	17	<2	3	152	<5	<3	75
8904 T162	0.2	0.67	<3	>1000	<3	4.21	0.1	2	7	29	0.50	1.07	0.67	584	<1	0.01	53	0.13	12	<2	<2	220	<5	<3	101
8904 T163	0.2	1.46	7	222	<3	0.36	0.1	10	36	18	1.92	0.07	0.67	324	<1	0.02	30	0.06	16	<2	3	26	<5	<3	61
8904 T164	0.1	1.86	3	269	<3	0.30	0.1	11	32	21	2.05	0.66	0.56	258	1	0.02	28	0.05	19	<2	3	24	<5	<3	75
8904 T165	0.1	1.47	<3	345	<3	0.30	0.1	10	25	15	1.61	0.05	0.46	401	<1	0.02	17	0.04	18	<2	4	24	<5	<3	67
8904 T166	0.1	1.53	7	251	<3	0.36	0.1	11	32	22	1.91	0.06	0.62	326	1	0.02	32	0.04	16	<2	3	28	<5	<3	52
8904 T167	0.2	1.28	<3	683	<3	1.12	0.1	4	16	76	0.97	0.63	0.37	87	<1	0.02	48	0.11	6	<2	<2	108	<5	<3	39
8904 T168	0.1	1.67	23	468	<3	0.50	1.0	31	62	31	2.96	0.59	0.67	2065	3	0.01	83	0.10	24	<2	3	35	<5	<3	182
8904 T169	0.2	1.75	9	210	<3	0.25	0.1	13	57	20	2.15	0.53	0.73	229	1	0.02	47	0.02	16	<2	4	20	<5	<3	49
8904 T170	0.1	1.75	3	397	<3	0.31	0.1	17	42	23	2.25	0.51	0.65	687	1	0.02	40	0.05	21	<2	4	26	<5	<3	86
8904 T171	0.1	1.33	<3	212	<3	0.22	0.1	11	36	15	1.62	0.03	0.54	206	1	0.02	33	0.03	19	<2	5	19	<5	<3	90
8904 T172	0.2	1.59	9	272	<3	0.20	0.1	52	55	26	3.02	0.05	0.62	2503	2	0.02	50	0.10	28	<2	5	19	<5	<3	134
8904 T173	0.1	0.79	4	93	<3	0.16	0.1	7	26	11	1.56	0.03	0.21	189	1	0.01	12	0.05	14	<2	4	13	<5	<3	61
8904 T174	0.4	2.33	8	379	<3	0.25	0.4	22	50	36	2.97	0.05	0.65	617	1	0.02	73	0.08	23	<2	4	23	<5	<3	112
8904 T175	0.1	1.97	4	426	<3	0.31	0.1	17	45	26	2.22	0.41	0.71	921	1	0.02	38	0.05	20	<2	3	28	<5	<3	100
8904 T176	0.3	1.16	6	289	<3	0.63	0.1	9	42	21	1.56	0.05	0.71	254	<1	0.02	45	0.07	12	<2	3	45	<5	<3	47
8904 T178	0.2	0.98	<3	802	<3	3.15	0.1	5	21	32	0.81	0.50	0.61	587	<1	0.01	77	0.12	6	<2	<2	206	<5	<3	70
8904 T179	0.3	2.23	6	351	<3	0.33	0.1	21	42	24	2.84	0.04	0.60	577	2	0.02	30	0.09	26	<2	4	28	<5	<3	96
8904 T180	0.1	1.41	9	221	<3	0.34	0.1	9	35	20	1.77	0.03	0.66	220	1	0.03	28	0.03	18	<2	3	25	<5	<3	42
8904 T181	0.4	2.20	9	390	<3	0.30	0.2	23	43	26	3.03	0.03	0.62	705	2	0.02	35	0.11	27	<2	4	25	<5	<3	121
8904 T182	0.2	1.77	10	241	<3	0.26	0.1	13	37	18	2.10	0.02	0.60	440	1	0.02	24	0.04	23	<2	4	20	<5	<3	61
8904 T183	0.3	1.76	9	286	<3	0.24	0.1	27	41	23	3.11	0.03	0.59	1022	2	0.02	35	0.09	28	<2	5	20	<5	<3	142
8904 T184	0.1	2.22	7	405	<3	0.53	0.1	19	52	37	2.64	0.03	0.84	920	1	0.03	50	0.09	22	<2	3	33	<5	<3	110
8904 T185	0.1	0.81	25	133	<3	0.20	0.6	76	288	12	2.70	0.21	3.74	1934	1	0.01	495	0.12	14	<2	4	22	<5	<3	64
8904 T186	0.3	0.37	3	349	<3	3.23	0.1	3	42	59	0.39	0.50	1.33	115	2	0.01	1135	0.10	2	<2	2	181	<5	<3	64
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: 890415 PA DUNVEGAN EXPL LTD Proj: 8904 Date In: 89/08/03 Date Out:89/08/16 Att: W TAYLOR

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
8904 T187	0.2	0.52	<3	590	<3	3.43	0.1	3	8	31	0.42	0.52	1.12	1317	1	0.01	40	0.12	3	<2	2	210	<5	<3	81
8904 T188	0.4	2.07	16	325	<3	0.76	0.1	19	78	61	3.11	0.19	1.38	651	2	0.03	92	0.07	21	<2	4	51	<5	<3	93
8904 T189	0.2	2.31	4	437	<3	0.51	0.1	19	68	56	2.79	1.04	0.81	913	1	0.02	130	0.05	17	<2	2	42	<5	<3	129
8904 T190	0.1	1.45	7	196	<3	0.26	0.1	12	40	16	1.90	0.08	0.59	285	1	0.01	30	0.03	15	<2	4	19	<5	<3	72
8904 T191	0.1	1.63	<3	581	<3	1.35	0.1	14	48	48	2.09	0.23	0.70	816	1	0.01	63	0.08	12	<2	3	69	<5	<3	91
8904 T192	0.2	1.91	10	229	<3	0.41	0.1	17	73	32	2.69	0.95	0.89	276	1	0.02	64	0.04	16	<2	3	27	<5	<3	68
8904 T193	0.3	1.88	11	255	<3	0.22	0.1	16	53	22	2.77	0.09	0.65	271	1	0.01	46	0.05	22	<2	5	18	<5	<3	99
8904 T194	0.3	1.75	11	245	<3	0.23	0.1	30	43	21	2.88	0.10	0.59	847	2	0.01	36	0.08	26	<2	5	17	<5	<3	148
8904 T195	0.1	1.22	7	144	<3	0.24	0.1	9	34	16	1.73	0.84	0.55	223	1	0.01	25	0.03	14	<2	3	17	<5	<3	52
8904 T196	0.2	1.13	3	145	<3	0.21	0.1	6	28	11	1.25	0.80	0.39	142	1	0.02	16	0.02	14	<2	3	16	<5	<3	34
8904 T197	0.3	1.56	4	189	<3	0.17	0.1	15	34	21	2.28	0.80	0.47	310	1	0.02	27	0.05	22	<2	5	14	<5	<3	93
8904 T198	0.3	1.84	15	272	<3	0.17	0.1	16	43	23	3.03	0.80	0.61	325	3	0.02	43	0.06	26	<2	5	16	<5	<3	102
8904 T199	0.1	1.36	4	248	<3	0.20	0.1	10	32	17	1.61	0.75	0.44	210	1	0.01	24	0.04	16	<2	3	18	<5	<3	50
8904 T200	0.1	1.48	9	267	<3	0.29	0.1	11	55	18	1.95	0.74	0.61	204	1	0.02	40	0.03	16	<2	3	20	<5	<3	43
8904 T201	0.1	0.59	<3	364	<3	1.42	0.1	4	15	22	0.65	0.82	0.50	195	<1	0.01	35	0.06	5	<2	2	108	<5	<3	31
8904 T202	0.4	0.86	7	100	<3	0.21	0.1	7	43	12	1.02	0.04	0.45	122	<1	0.02	25	0.01	16	<2	3	15	<5	<3	42
8904 T203	0.3	1.48	13	232	<3	0.21	0.1	15	36	18	2.09	0.67	0.55	437	1	0.02	35	0.04	20	<2	3	18	<5	<3	97
8904 T204	0.1	1.26	11	188	<3	0.20	0.1	12	66	17	1.72	0.65	0.64	282	1	0.01	39	0.03	18	<2	3	17	<5	<3	74
8904 T205	0.3	1.53	13	307	<3	0.37	0.1	16	45	25	2.27	0.65	0.89	852	2	0.02	48	0.03	21	<2	3	24	<5	<3	72
8904 T206	0.4	2.57	29	133	3	0.17	0.6	51	542	32	5.02	0.64	4.02	924	2	0.01	583	0.05	29	<2	7	15	<5	<3	75
8904 T207	0.2	1.58	9	194	<3	0.21	0.1	11	55	19	2.11	0.05	0.69	196	2	0.02	42	0.02	18	<2	3	16	<5	<3	51
8904 T208	0.1	1.42	20	107	<3	0.28	0.1	15	43	39	1.97	0.55	0.64	251	2	0.02	63	0.03	16	<2	3	18	<5	<3	72
8904 T209	0.3	1.09	94	184	3	0.19	1.5	173	784	28	6.39	0.11	3.40	2128	3	0.01	2098	0.12	26	<2	5	18	<5	<3	132
8904 T210	0.1	0.62	20	103	<3	0.71	0.1	46	422	41	1.76	0.54	3.13	643	1	0.01	1402	0.07	10	<2	4	57	<5	<3	80
8904 T211	0.2	1.34	10	240	<3	0.43	0.1	12	64	30	1.73	0.49	0.66	292	1	0.02	102	0.08	19	<2	3	33	<5	<3	53
8904 T212	0.2	1.01	7	249	<3	0.26	0.1	10	26	15	1.52	0.46	0.34	548	1	0.02	17	0.03	15	<2	4	18	<5	<3	61
8904 T213	0.3	1.43	8	170	<3	0.16	0.1	13	31	18	2.26	0.44	0.46	278	1	0.02	19	0.04	23	<2	5	13	<5	<3	91
8904 T214	0.3	1.57	10	244	<3	0.19	0.1	15	36	22	2.69	0.42	0.56	363	2	0.02	30	0.07	23	<2	5	17	<5	<3	100
8904 T215	0.3	1.38	9	232	<3	0.21	0.1	13	32	21	2.27	0.40	0.45	336	1	0.02	24	0.05	22	<2	5	17	<5	<3	98
8904 T216	0.2	1.41	7	262	<3	0.24	0.1	13	31	21	2.01	0.38	0.54	467	1	0.02	23	0.06	17	<2	4	20	<5	<3	78
8904 T217	0.3	1.42	11	155	<3	0.24	0.1	11	35	19	1.97	0.36	0.58	302	1	0.02	25	0.03	17	<2	3	17	<5	<3	49
8904 T218	0.3	2.03	11	341	<3	0.24	0.1	18	43	27	3.14	0.04	0.66	489	2	0.02	35	0.08	27	<2	5	21	<5	<3	101
8904 T219	0.2	1.90	10	284	<3	0.31	0.1	16	48	25	2.59	0.32	0.76	520	2	0.02	41	0.03	19	<2	4	23	<5	<3	83
8904 T220	0.2	2.04	15	231	<3	0.32	0.1	15	51	27	2.74	0.30	0.98	371	2	0.02	48	0.02	20	<2	4	23	<5	<3	83
8904 T221	0.3	1.17	15	95	<3	0.30	0.1	12	37	20	2.26	0.27	0.48	230	2	0.02	24	0.03	22	<2	5	20	<5	<3	78
8904 T222	0.5	0.77	108	187	<3	1.43	0.7	59	292	62	3.17	0.30	2.20	1386	3	0.01	361	0.08	14	<2	6	122	<5	<3	101
8904 T223	0.2	1.23	51	186	<3	0.17	0.1	18	73	23	2.65	0.23	0.52	348	4	0.02	106	0.04	19	<2	3	14	<5	<3	87
8904 T224	0.3	1.07	6	196	<3	0.24	0.1	14	40	18	1.35	0.20	0.59	360	1	0.01	28	0.02	20	<2	5	20	<5	<3	64
8904 T225	0.4	0.98	13	144	<3	0.15	0.5	14	32	20	2.01	0.08	0.39	289	1	0.02	23	0.04	19	<2	4	16	<5	<3	71
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: 890415 PA | DUNVEGAN EXPL LTD | Proj: 8904 | Date In: 89/08/03 | Date Out:89/08/16 | Att: W TAYLOR | Page 5 of 8

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
8904 T226	0.3	1.39	51	256	<3	0.36	0.1	12	39	19	1.86	0.11	0.59	186	1	0.02	73	0.02	16	<2	3	25	<5	<3	43
8904 T227	0.1	0.81	14	175	<3	1.46	0.1	9	58	21	0.91	0.25	1.25	317	<1	0.01	223	0.07	7	<2	2	90	<5	<3	52
8904 T228	0.7	1.09	7	168	<3	3.51	0.1	6	21	50	0.90	0.57	0.59	532	<1	0.03	31	0.15	7	<2	<2	225	<5	<3	91
8904 T229	0.4	1.54	17	238	<3	0.70	0.1	13	58	36	2.09	0.17	0.95	302	1	0.02	62	0.07	16	<2	2	47	<5	<3	74
8904 T230	0.9	3.48	67	212	4	0.80	1.7	45	429	94	5.39	0.28	4.37	447	2	0.01	226	0.12	27	<2	11	32	<5	<3	114
8904 T231	0.8	1.97	39	271	<3	1.38	0.8	43	251	96	2.97	0.30	2.03	1510	2	0.01	295	0.10	17	<2	2	64	<5	<3	175
8904 T232	0.2	1.62	20	270	<3	0.24	0.1	14	86	19	2.04	0.09	0.78	321	1	0.02	56	0.02	18	<2	3	17	<5	<3	52
8904 T233	0.2	1.82	13	170	<3	0.21	0.1	12	55	15	1.97	0.09	0.66	190	1	0.02	30	0.01	17	<2	3	16	<5	<3	45
8904 T234	0.3	1.69	23	207	<3	0.23	0.1	16	162	17	2.26	0.10	0.84	284	1	0.02	77	0.02	21	<2	3	17	<5	<3	64
8904 T235	0.2	1.95	16	337	<3	0.52	0.2	16	127	37	2.48	0.01	1.01	605	1	0.02	79	0.08	19	<2	3	26	<5	<3	80
8904 T236	0.3	2.03	19	184	<3	0.25	0.1	14	84	23	2.34	0.10	0.73	221	1	0.02	57	0.02	20	<2	3	17	<5	<3	60
8904 T237	0.1	1.50	11	152	<3	0.14	0.1	15	61	21	1.91	0.08	0.50	285	1	0.02	33	0.02	18	<2	3	13	<5	<3	64
8904 T238	0.2	1.31	39	194	<3	0.76	0.2	13	69	24	1.70	0.16	0.72	410	1	0.01	221	0.06	13	<2	2	33	<5	<3	81
8904 T239	0.3	2.10	16	125	<3	0.19	0.1	15	112	21	2.44	0.10	0.80	246	1	0.02	58	0.03	21	<2	3	14	<5	<3	74
8904 T240	0.1	1.13	9	172	<3	0.13	0.1	21	92	15	1.62	0.07	0.68	773	1	0.01	63	0.03	16	<2	3	12	<5	<3	44
8904 T241	0.2	1.80	25	166	<3	0.18	0.1	18	186	15	2.59	0.10	0.79	214	1	0.02	84	0.02	20	<2	3	14	<5	<3	68
8904 T242	0.3	1.93	16	313	<3	0.24	0.1	18	156	21	2.29	0.10	0.78	411	1	0.02	68	0.03	19	<2	3	19	<5	<3	71
8904 T243	0.3	1.55	11	174	<3	0.21	0.1	11	45	15	1.72	0.08	0.60	185	1	0.02	23	0.02	19	<2	4	16	<5	<3	53
8904 T244	0.2	1.16	10	158	<3	0.19	0.3	16	32	16	1.94	0.08	0.33	529	1	0.02	21	0.04	18	<2	4	15	<5	<3	80
8904 T245	0.3	1.82	13	412	<3	0.56	0.4	24	77	37	2.60	0.16	0.82	720	1	0.02	69	0.05	25	<2	4	38	<5	<3	102
8904 T246	0.5	2.02	10	341	<3	0.21	0.1	15	45	29	2.60	0.11	0.67	377	1	0.02	36	0.04	25	<2	4	19	<5	<3	95
8904 T247	0.2	0.58	11	416	<3	1.00	1.7	16	12	49	0.70	0.18	0.99	390	1	0.01	71	0.15	14	<2	2	93	<5	<3	130
8904 T248	0.3	0.70	6	189	<3	0.23	0.1	16	26	17	1.60	0.08	0.21	1041	1	0.02	15	0.04	18	<2	4	17	<5	<3	93
8904 T249	0.7	1.63	9	266	<3	0.31	0.1	19	46	30	2.36	0.11	0.68	454	2	0.02	47	0.05	20	<2	4	24	<5	<3	60
8904 T250	0.5	1.74	87	439	<3	0.99	0.1	19	62	52	2.03	0.21	1.26	588	1	0.01	327	0.09	88	<2	3	52	<5	<3	208
8904 T251	1.0	5.01	158	198	4	0.36	2.5	84	776	136	8.62	0.31	6.64	1406	36	0.01	734	0.11	53	<2	<2	30	<5	<3	181
8904 T252	0.2	1.12	8	194	<3	0.14	0.1	13	27	15	1.52	0.07	0.40	606	1	0.01	27	0.02	14	<2	2	13	<5	<3	49
8904 T253	0.5	1.12	50	315	<3	2.40	0.1	9	32	36	1.54	0.42	0.98	2205	1	0.01	122	0.12	10	<2	2	113	<5	<3	86
8904 T254	0.3	1.74	8	605	<3	1.97	0.1	13	52	91	2.04	0.37	0.98	1586	2	0.03	98	0.12	17	<2	2	139	<5	<3	67
8904 T255	0.2	1.80	6	343	<3	0.36	0.1	13	44	25	2.15	0.12	0.79	271	1	0.02	38	0.02	19	<2	3	30	<5	<3	58
8904 T256	0.3	2.12	11	354	<3	0.61	0.1	16	42	20	2.56	0.17	0.72	506	2	0.02	28	0.03	23	<2	4	38	<5	<3	78
8904 T257	0.2	1.52	12	218	<3	0.22	0.1	13	79	19	2.02	0.09	0.71	246	1	0.02	52	0.02	18	<2	4	18	<5	<3	70
8904 T258	0.1	0.25	10	326	<3	1.71	0.1	1	9	16	0.28	0.27	2.15	75	1	0.01	165	0.09	5	<2	2	82	<5	<3	64
8904 T259	0.2	0.84	221	100	3	0.21	1.3	120	>1000	30	8.11	0.27	>10.00	665	2	0.01	1352	0.06	20	<2	4	10	<5	<3	34
8904 T260	0.1	1.44	51	201	<3	0.23	0.8	43	663	24	3.51	0.14	2.47	617	2	0.01	406	0.04	19	<2	4	18	<5	<3	56
8904 T261	0.2	2.03	14	156	<3	0.21	0.1	12	84	24	2.27	0.10	0.78	238	1	0.01	58	0.02	16	<2	2	14	<5	<3	67
8904 T262	0.3	1.76	13	261	<3	0.26	0.1	17	107	25	2.51	0.11	0.91	454	1	0.01	111	0.04	17	<2	3	20	<5	<3	71
8904 T263	0.2	1.36	8	103	<3	0.14	0.1	9	49	13	1.78	0.07	0.43	167	1	0.01	25	0.02	15	<2	3	11	<5	<3	49
8904 T264	0.3	2.26	19	184	<3	0.16	1.1	17	60	33	3.59	0.13	0.60	373	3	0.01	49	0.04	22	<2	3	12	<5	<3	94
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: 890415 PA DUNVEGAN EXPL LTD Proj: 8904 Date In: 89/08/03 Date Out:89/08/16 Att: W TAYLOR

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
8904 T265	0.2	2.16	22	223	<3	0.21	0.7	21	137	31	3.38	0.13	1.11	237	2	0.01	91	0.04	20	<2	3	16	<5	<3	69
8904 T266	0.2	2.20	4	207	<3	0.50	0.8	19	62	25	2.74	0.16	0.72	1254	1	0.02	51	0.04	21	<2	3	21	<5	<3	94
8904 T267	0.1	2.50	10	198	<3	0.25	0.3	17	56	26	2.66	0.11	0.81	313	1	0.01	38	0.02	18	<2	2	18	<5	<3	59
8904 T268	0.1	1.94	6	277	<3	0.25	0.3	15	117	23	2.34	0.11	0.84	358	1	0.02	58	0.03	19	<2	3	18	<5	<3	58
8904 T269	0.2	1.80	11	230	<3	0.30	0.3	15	91	28	2.43	0.11	0.86	343	1	0.01	89	0.03	20	<2	3	21	<5	<3	89
8904 T270	0.3	1.54	19	215	<3	0.24	0.1	13	85	20	2.19	0.10	0.81	270	1	0.02	69	0.04	18	<2	3	19	<5	<3	64
8904 T271	0.1	0.38	<3	142	<3	0.40	0.1	5	15	10	0.49	0.07	0.40	204	<1	0.01	35	0.04	4	<2	<2	34	<5	<3	26
8904 T272	0.3	1.08	33	145	3	0.17	1.3	67	>1000	14	4.62	0.16	3.90	957	2	0.01	506	0.04	19	<2	4	11	<5	<3	40
8904 T273	0.1	1.64	56	321	<3	0.45	0.1	15	108	29	2.09	0.13	1.43	280	1	0.01	107	0.06	15	<2	2	35	<5	<3	60
8904 T274	0.2	1.73	10	191	<3	0.20	0.1	11	46	21	2.21	0.09	0.65	187	1	0.01	39	0.02	16	<2	3	16	<5	<3	43
8904 T275	0.2	1.60	20	192	<3	0.22	0.1	14	65	18	2.06	0.09	0.91	264	1	0.02	125	0.01	16	<2	3	17	<5	<3	45
8904 T276	0.3	1.99	10	221	<3	0.16	0.5	15	44	27	2.67	0.10	0.68	281	2	0.02	33	0.03	26	<2	5	15	<5	<3	102
8904 T277	0.2	1.76	5	202	<3	0.35	0.3	15	49	23	2.38	0.12	0.69	336	1	0.02	39	0.03	20	<2	4	23	<5	<3	55
8904 T278	0.2	2.21	5	218	<3	0.28	0.3	20	42	28	2.73	0.12	0.53	626	1	0.02	24	0.03	23	<2	3	21	<5	<3	80
8904 T279	0.2	3.19	4	258	<3	0.28	0.3	14	53	36	3.01	0.13	0.89	339	2	0.02	39	0.03	22	<2	2	22	<5	<3	72
8904 T280	0.1	1.67	10	180	<3	0.40	0.1	24	34	88	2.31	0.13	0.41	865	1	0.02	54	0.04	18	<2	2	27	<5	<3	48
8904 T281	0.4	2.14	40	197	<3	1.25	0.3	23	58	193	2.62	0.27	0.86	1072	2	0.02	159	0.11	20	<2	2	71	<5	<3	76
8904 T282	0.1	2.32	14	273	<3	0.66	0.5	19	62	58	3.01	0.19	0.94	422	2	0.02	78	0.05	22	<2	2	38	<5	<3	77
8904 T283	0.2	2.17	7	373	<3	0.30	0.3	21	47	25	2.75	0.13	0.75	806	2	0.02	43	0.03	24	<2	3	26	<5	<3	63
8904 T284	0.2	1.83	9	235	<3	0.33	0.3	14	48	30	2.47	0.12	0.84	296	2	0.02	53	0.03	24	<2	3	22	<5	<3	65
8904 T285	0.4	2.48	9	608	<3	0.72	0.3	19	52	79	3.10	0.20	0.84	1336	3	0.04	70	0.05	25	<2	<2	54	<5	<3	75
8904 T286	0.3	2.47	7	498	<3	0.33	0.7	31	49	35	3.16	0.15	0.74	1974	2	0.02	47	0.08	26	<2	2	33	<5	<3	132
8904 T287	0.3	1.97	14	201	<3	0.25	0.3	13	41	23	2.61	0.11	0.65	317	2	0.02	25	0.04	27	<2	3	20	<5	<3	76
8904 T288	0.2	1.63	7	287	<3	0.27	0.1	11	32	19	1.91	0.09	0.56	264	2	0.02	21	0.02	21	<2	3	22	<5	<3	56
8904 T289	0.1	1.83	7	98	<3	2.22	0.1	18	62	172	1.86	0.39	0.72	641	1	0.01	79	0.10	14	<2	<2	50	<5	<3	58
8904 T290	0.1	2.36	8	148	<3	0.76	0.7	21	76	57	2.42	0.19	0.88	913	1	0.01	110	0.14	18	<2	<2	31	<5	<3	101
8904 T291	0.2	2.59	7	276	<3	0.41	0.3	16	57	41	2.69	0.14	0.80	511	2	0.02	49	0.03	20	<2	2	23	<5	<3	64
8904 T292	0.3	2.54	5	170	<3	0.21	0.1	12	35	23	2.64	0.11	0.61	274	2	0.02	27	0.05	23	<2	3	15	<5	<3	79
8904 T293	0.3	3.31	14	317	<3	0.37	0.7	18	72	49	3.57	0.16	1.03	410	2	0.02	65	0.05	27	<2	3	22	<5	<3	103
8904 T294	0.1	0.47	5	142	<3	1.70	0.1	3	7	32	0.49	0.27	0.42	136	<1	0.02	24	0.11	5	<2	<2	68	<5	<3	25
8904 T295	0.1	2.13	58	359	<3	1.21	0.1	23	88	52	2.45	0.25	1.26	515	1	0.02	229	0.07	17	<2	<2	57	<5	<3	44
8904 T296	0.2	1.69	115	214	<3	0.15	0.6	38	145	22	2.42	0.10	0.63	1038	1	0.02	304	0.03	21	<2	3	16	<5	<3	67
8904 T297	0.2	1.43	9	234	<3	0.15	0.1	11	34	19	1.63	0.07	0.49	428	1	0.02	37	0.02	17	<2	2	16	<5	<3	45
8904 T298	0.2	1.70	16	215	<3	0.25	0.1	16	228	18	2.21	0.10	1.12	368	1	0.02	100	0.02	17	<2	3	18	<5	<3	55
8904 T299	0.3	1.94	16	206	<3	0.29	0.1	16	86	26	2.51	0.12	0.96	330	1	0.02	62	0.03	21	<2	3	21	<5	<3	60
8904 T300	0.2	1.44	9	210	<3	0.34	0.1	11	49	22	2.08	0.11	0.69	240	2	0.02	36	0.02	21	<2	3	24	<5	<3	60
8904 T301	0.3	0.42	<3	245	<3	4.64	0.1	2	4	32	0.28	0.71	0.66	529	<1	0.01	31	0.11	10	<2	<2	148	<5	<3	97
8904 T302	0.3	2.67	4	343	<3	0.43	0.3	17	44	24	2.66	0.14	0.73	675	2	0.02	31	0.02	23	<2	3	26	<5	<3	76
8904 T303	0.3	2.83	16	221	<3	0.26	0.7	14	48	30	3.16	0.13	0.89	278	2	0.02	33	0.02	23	<2	3	17	<5	<3	72
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: 890415 PA | DUNVEGAN EXPL LTD | Proj: 8904 | Date In: 89/08/03 | Date Out:89/08/16 | Att: W TAYLOR |

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
8904 T304	0.3	3.50	11	354	<3	0.35	0.7	31	66	38	4.05	0.18	0.85	2763	3	0.02	55	0.04	29	<2	3	25	<5	<3	154
8904 T305	0.2	2.29	6	205	<3	0.59	0.2	18	45	40	2.66	0.17	0.67	957	2	0.02	32	0.03	21	<2	3	28	<5	<3	58
8904 T306	0.2	1.05	6	132	<3	0.22	0.2	10	30	20	2.05	0.09	0.31	249	1	0.01	16	0.04	18	<2	4	15	<5	<3	121
8904 T307	0.2	1.68	5	312	<3	0.29	0.1	21	31	19	2.14	0.11	0.46	739	1	0.02	24	0.04	18	<2	3	25	<5	<3	73
8904 T308	0.1	2.35	4	395	<3	0.46	1.1	81	33	27	2.96	0.16	0.59	1445	1	0.01	58	0.12	21	<2	2	34	<5	<3	172
8904 T309	0.3	1.93	11	411	<3	0.46	0.8	21	44	40	2.73	0.15	0.61	1489	2	0.02	50	0.08	21	<2	2	26	<5	<3	173
8904 T310	0.3	1.94	13	380	<3	0.50	0.3	19	54	59	2.95	0.16	0.94	667	3	0.02	69	0.05	24	<2	3	33	<5	<3	98
8904 T311	0.2	2.20	8	335	<3	0.22	0.2	17	44	24	2.81	0.11	0.65	347	2	0.02	34	0.04	24	<2	3	21	<5	<3	72
8904 T312	0.2	1.63	6	269	<3	0.30	0.2	12	41	21	2.21	0.11	0.67	305	2	0.02	32	0.04	18	<2	3	21	<5	<3	80
8904 T313	0.2	1.48	10	209	<3	0.25	0.1	11	34	19	2.18	0.10	0.56	407	2	0.02	25	0.06	16	<2	2	18	<5	<3	63
8904 T314	0.2	1.26	7	194	<3	0.40	0.1	11	36	25	1.88	0.11	0.64	303	1	0.02	31	0.07	15	<2	3	25	<5	<3	57
8904 T315	0.3	1.35	6	165	<3	0.63	1.7	14	22	91	1.68	0.14	0.34	581	1	0.02	44	0.05	16	<2	2	25	<5	<3	80
8904 T316	0.3	3.48	9	196	<3	0.52	0.6	19	57	52	3.36	0.18	1.06	368	2	0.02	53	0.03	25	<2	3	23	<5	<3	100
8904 T317	0.3	3.55	25	188	<3	0.49	0.7	28	90	54	3.96	0.19	1.33	1283	2	0.02	81	0.03	25	<2	3	26	<5	<3	97
8904 T318	0.3	3.06	19	151	3	0.37	1.1	31	213	42	4.55	0.19	2.95	831	3	0.01	75	0.03	25	<2	5	17	<5	<3	73
8904 T319	0.3	2.36	9	182	<3	0.23	0.2	14	55	24	3.12	0.13	0.76	406	2	0.02	28	0.03	22	<2	4	17	<5	<3	80
8904 T320	0.3	2.56	36	172	<3	0.49	0.7	27	64	36	3.46	0.18	0.83	1035	2	0.02	48	0.04	30	<2	4	26	<5	<3	110
8904 T321	0.1	0.75	16	77	<3	4.59	0.1	8	65	46	1.04	0.72	0.77	406	<1	0.01	41	0.14	5	<2	<2	125	<5	<3	67
8904 T322	0.3	2.39	20	311	<3	0.44	0.1	18	65	41	3.03	0.15	1.17	496	2	0.02	58	0.06	20	<2	3	28	<5	<3	79
8904 T323	0.3	1.98	147	172	<3	0.50	0.8	38	50	39	5.63	0.24	0.57	1264	3	0.02	78	0.07	30	<2	5	46	<5	<3	104
8904 T324	0.4	2.29	6	193	<3	0.27	0.8	20	35	48	2.47	0.12	0.56	1510	1	0.02	36	0.05	20	<2	3	17	<5	<3	91
8904 T325	0.3	2.70	19	232	<3	0.43	0.5	19	45	29	3.00	0.15	0.90	871	2	0.02	31	0.02	26	<2	4	22	<5	<3	146
8904 T326	0.2	2.27	54	255	<3	0.26	1.5	31	13	61	7.42	0.26	0.59	856	4	0.01	25	0.08	25	<2	3	15	<5	<3	104
8904 T327	0.3	2.73	12	222	<3	0.34	0.5	21	47	37	3.23	0.15	0.90	926	2	0.02	44	0.02	28	<2	4	18	<5	<3	120
8904 T328	0.2	1.83	120	185	<3	0.68	0.7	43	54	49	4.98	0.25	0.56	1371	2	0.02	81	0.06	24	<2	2	27	<5	<3	75
8904 T329	0.3	3.08	55	130	<3	0.50	0.8	31	90	134	4.53	0.21	1.52	1335	2	0.02	83	0.03	25	<2	3	22	<5	<3	92
8904 T330	0.3	2.88	11	182	<3	0.62	0.7	24	58	52	3.38	0.19	0.93	326	2	0.02	54	0.03	23	<2	3	26	<5	<3	64
8904 T331	0.3	2.48	12	302	<3	0.56	0.1	16	56	45	2.80	0.17	1.01	425	2	0.02	53	0.04	20	<2	3	26	<5	<3	69
8904 T332	0.2	1.88	5	162	<3	1.02	0.5	17	44	39	2.12	0.22	0.65	976	1	0.01	45	0.07	14	<2	2	30	<5	<3	68
8904 T333	0.3	2.01	7	291	<3	0.37	0.1	13	41	27	2.23	0.12	0.58	672	1	0.02	36	0.04	19	<2	3	20	<5	<3	71
8904 T334	0.3	1.47	9	178	<3	0.29	0.1	11	35	20	1.94	0.10	0.58	201	1	0.02	28	0.06	16	<2	3	19	<5	<3	48
8904 T335	0.2	1.44	9	206	<3	0.28	0.1	12	37	26	1.97	0.10	0.51	337	1	0.02	33	0.04	15	<2	2	20	<5	<3	46
8904 T336	0.3	1.48	9	217	<3	0.36	0.1	14	43	34	2.30	0.12	0.74	380	2	0.02	42	0.05	18	<2	3	26	<5	<3	67
8904 T337	0.2	1.55	8	300	<3	0.50	0.3	14	42	34	2.14	0.14	0.63	475	1	0.02	48	0.06	18	<2	3	32	<5	<3	101
8904 T338	0.2	1.72	9	254	<3	0.36	0.1	13	43	22	2.30	0.12	0.62	380	1	0.02	36	0.04	20	<2	3	20	<5	<3	67
8904 T339	0.3	2.51	15	299	<3	0.53	0.5	23	61	47	2.89	0.17	0.84	1489	1	0.02	80	0.05	22	<2	2	25	<5	<3	96
8904 T340	0.3	3.55	20	168	<3	0.70	1.1	50	85	89	4.55	0.24	1.38	1883	2	0.01	97	0.07	25	<2	4	28	<5	<3	125
8904 T341	0.2	3.54	11	547	<3	0.36	0.3	22	51	46	3.41	0.16	0.73	773	2	0.02	53	0.07	26	<2	2	25	<5	<3	99
8904 T342	0.3	2.90	89	210	4	0.31	2.1	49	90	76	6.64	0.24	1.75	1457	3	0.01	96	0.09	25	<2	2	12	<5	<3	84
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: 890415 PA DUNVEGAN EXPL LTD Proj: 8904 Date In: 89/08/03 Date Out:89/08/16 Att: W TAYLOR

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
8904 T343	0.2	2.70	8	304	<3	0.40	0.5	26	42	33	3.11	0.16	0.60	1743	1	0.01	40	0.07	24	<2	2	21	<5	<3	147
8904 T344	0.2	2.34	17	246	<3	0.28	0.5	16	48	29	3.26	0.14	0.76	416	2	0.01	32	0.07	23	<2	4	19	<5	<3	88
8904 T345	0.3	2.84	17	258	<3	0.24	0.2	15	56	43	3.03	0.12	0.86	283	2	0.02	48	0.02	21	<2	3	18	<5	<3	62
8904 T346	0.3	1.93	10	232	<3	0.18	0.1	10	35	27	2.44	0.10	0.50	166	1	0.01	23	0.03	22	<2	3	15	<5	<3	51
8904 T347	0.3	2.82	7	284	<3	0.30	0.2	14	42	35	2.58	0.12	0.76	573	1	0.02	34	0.03	23	<2	3	19	<5	<3	85
8904 T348	0.2	3.54	20	298	<3	0.46	0.7	23	74	40	3.82	0.18	1.03	1019	1	0.02	71	0.04	26	<2	3	23	<5	<3	95
8904 T349	0.2	2.75	40	229	3	0.25	0.7	28	81	34	3.93	0.15	1.04	846	2	0.01	59	0.04	23	<2	3	16	<5	<3	110
8904 T350	0.3	2.82	32	142	3	0.17	1.2	32	99	32	4.90	0.17	1.07	475	3	0.01	55	0.04	26	<2	4	12	<5	<3	104
8904 T351	0.2	3.10	18	335	<3	0.38	0.7	22	71	36	3.46	0.16	0.94	931	2	0.02	58	0.02	25	<2	4	24	<5	<3	112
8904 T352	0.1	2.68	26	255	<3	0.32	0.2	23	81	28	3.44	0.15	0.97	764	2	0.01	59	0.03	24	<2	3	19	<5	<3	82
8904 T353	0.2	2.93	36	219	4	0.33	0.7	36	340	42	4.38	0.18	2.31	644	2	0.01	200	0.03	22	<2	3	18	<5	<3	68
8904 T354	0.2	2.68	27	314	3	0.35	0.7	28	221	47	3.53	0.16	2.01	786	2	0.02	155	0.04	21	<2	3	23	<5	<3	95
8904 T355	0.1	2.35	29	302	3	0.31	1.1	34	252	38	3.39	0.15	2.73	812	2	0.01	258	0.07	21	<2	3	22	<5	<3	89
8904 T356	0.3	1.65	16	209	<3	0.27	0.1	15	83	25	2.41	0.11	0.99	374	2	0.02	63	0.03	20	<2	4	20	<5	<3	67
8904 T357	0.2	1.95	27	225	3	0.24	0.8	29	331	21	3.13	0.13	2.60	476	2	0.01	204	0.03	19	<2	4	17	<5	<3	80
8904 T358	0.3	1.81	13	241	<3	0.28	0.2	17	85	22	2.24	0.11	0.90	462	1	0.01	52	0.03	18	<2	3	19	<5	<3	69
8904 T359	0.3	1.56	15	178	<3	0.25	0.1	15	123	20	2.12	0.10	0.93	277	1	0.01	74	0.02	16	<2	3	17	<5	<3	53
8904 T360	0.4	1.70	10	189	<3	0.25	0.1	13	76	19	2.13	0.10	0.83	258	1	0.01	52	0.02	18	<2	4	18	<5	<3	68
8904 T361	0.3	2.16	11	160	<3	0.23	0.3	14	42	23	2.42	0.10	0.69	321	1	0.02	29	0.03	20	<2	4	18	<5	<3	94
8904 T362	0.2	1.96	12	187	<3	0.22	0.2	12	39	26	2.50	0.11	0.57	220	2	0.02	34	0.03	20	<2	3	18	<5	<3	69
8904 T363	0.5	3.47	12	543	<3	0.38	0.7	24	73	79	3.74	0.17	1.02	878	2	0.02	71	0.08	25	<2	2	33	<5	<3	132
8904 T364	0.3	1.76	14	289	<3	0.34	0.2	20	90	24	2.69	0.13	0.74	657	1	0.02	52	0.09	22	<2	4	23	<5	<3	81
8904 T365	0.3	1.57	12	239	<3	0.22	0.1	16	37	18	2.12	0.09	0.50	574	1	0.02	23	0.04	20	<2	3	18	<5	<3	119
8904 T366	0.2	1.80	12	181	<3	0.20	0.1	12	40	20	2.33	0.10	0.67	289	1	0.02	24	0.02	18	<2	4	16	<5	<3	70
8904 T367	0.2	2.17	26	215	<3	0.28	0.8	19	165	30	3.40	0.14	1.48	362	2	0.02	65	0.03	23	<2	6	17	<5	<3	101
8904 T368	0.1	0.84	3	240	<3	1.73	0.1	6	18	25	0.69	0.28	0.75	428	<1	0.01	41	0.14	5	<2	<2	75	<5	<3	35
8904 T369	0.3	2.80	13	472	4	0.48	0.8	30	121	50	4.35	0.20	1.96	444	2	0.05	88	0.06	26	<2	5	36	<5	<3	74
8904 T370	0.4	1.92	25	147	<3	0.22	0.5	19	156	23	2.93	0.12	1.59	275	1	0.01	103	0.02	17	<2	4	15	<5	<3	67
8904 T371	0.3	2.29	46	178	4	0.19	1.1	40	357	29	3.74	0.14	3.18	913	2	0.01	362	0.04	20	<2	3	16	<5	<3	64
8904 T372	0.2	2.22	26	212	3	0.17	0.5	34	229	23	3.63	0.13	1.84	506	2	0.01	172	0.03	22	<2	4	14	<5	<3	66
8904 T373	0.1	2.35	36	134	4	0.33	0.7	32	442	41	3.84	0.16	3.45	602	2	0.01	473	0.08	19	<2	4	18	<5	<3	76
8904 T374	0.3	3.13	32	227	<3	0.24	0.6	27	82	38	3.82	0.15	1.09	1008	2	0.01	86	0.03	25	<2	4	17	<5	<3	113
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

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VANGEOCHEM LAB LIMITED
1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Pd, Pt, Sn, Sr and W.

ANALYST:

REPORT #: 890423 PA | DUNVEGAN EXPL. LTD. | Proj: 8904 | Date In: 89/08/08 | Date Out:89/08/21 | Att: W. TAYLOR |

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
8904 T375	0.2	2.01	11	170	<3	0.31	0.3	12	44	34	2.15	0.11	0.66	436	1	0.01	37	0.03	33	<2	2	19	<5	<3	64
8904 T376	0.4	2.73	35	222	<3	0.26	0.4	21	85	31	3.30	0.14	1.40	566	2	0.01	67	0.03	31	<2	2	13	<5	<3	64
8904 T377	0.2	2.63	34	246	<3	0.31	0.5	18	61	25	3.10	0.14	1.05	362	2	0.01	46	0.02	29	<2	2	19	<5	<3	57
8904 T378	0.2	2.28	9	268	<3	0.31	0.1	12	44	25	2.26	0.12	0.76	310	1	0.01	34	0.01	26	<2	2	18	<5	<3	52
8904 T379	0.3	2.11	5	302	<3	0.33	0.1	10	36	19	2.07	0.11	0.60	265	2	0.01	22	0.01	27	<2	2	22	<5	<3	48
8904 T380	0.1	1.71	<3	192	<3	0.27	0.1	9	33	19	1.87	0.10	0.52	220	1	0.01	25	0.02	21	<2	2	18	<5	<3	49
8904 T381	0.2	2.07	9	271	<3	0.29	0.1	11	42	30	2.10	0.11	0.71	299	1	0.01	33	0.03	24	<2	2	18	<5	<3	55
8904 T382	0.1	2.43	15	316	<3	0.38	0.1	16	46	31	2.45	0.13	0.63	360	2	0.01	39	0.02	27	<2	2	20	<5	<3	52
8904 T383	0.1	2.24	9	216	<3	0.42	0.1	25	39	38	2.37	0.13	0.61	546	1	0.01	39	0.04	24	<2	2	18	<5	<3	62
8904 T384	0.2	2.71	7	235	<3	0.37	0.1	26	41	33	2.47	0.13	0.61	485	2	0.01	46	0.02	28	<2	2	20	<5	<3	58
8904 T385	0.1	3.33	15	244	<3	0.23	0.6	19	50	31	3.23	0.14	1.42	409	2	0.01	38	0.03	35	<2	2	13	<5	<3	85
8904 T386	0.1	2.35	12	213	<3	0.31	0.3	17	45	45	2.33	0.12	0.79	712	2	0.01	34	0.03	25	<2	2	16	<5	<3	54
8904 T387	0.1	2.91	20	185	<3	0.28	0.3	24	82	29	3.41	0.15	1.42	790	2	0.01	54	0.03	29	<2	2	14	<5	<3	68
8904 T388	0.2	1.99	19	132	<3	0.24	0.2	22	61	35	3.03	0.13	0.78	714	2	0.01	43	0.02	25	<2	2	11	<5	<3	51
8904 T389	0.1	2.77	39	202	<3	0.26	0.6	24	88	33	3.56	0.15	1.40	710	2	0.01	70	0.03	29	<2	2	13	<5	<3	71
8904 T390	0.1	2.05	25	146	<3	0.16	0.1	18	73	27	2.47	0.10	0.88	606	1	0.01	59	0.02	22	<2	2	10	<5	<3	46
8904 T391	0.1	2.52	43	150	<3	0.15	0.8	38	346	31	3.80	0.14	2.11	619	2	0.01	257	0.02	26	<2	2	9	<5	<3	55
8904 T392	0.1	1.82	25	148	<3	0.14	0.2	22	234	17	2.80	0.11	1.07	434	2	0.01	102	0.02	23	<2	2	9	<5	<3	56
8904 T393	0.2	1.34	10	209	<3	0.14	0.1	13	119	14	2.23	0.09	0.69	259	1	0.01	40	0.02	20	<2	2	10	<5	<3	42
8904 T394	0.1	1.36	6	381	<3	0.70	0.2	11	61	34	1.95	0.16	0.96	372	1	0.01	57	0.08	18	<2	2	28	<5	<3	49
8904 T395	0.1	1.65	20	159	<3	0.12	0.3	13	68	17	2.53	0.10	0.71	273	2	0.01	42	0.02	23	<2	2	9	<5	<3	70
8904 T396	0.2	1.47	14	134	<3	0.14	0.2	12	42	19	2.30	0.09	0.60	211	2	0.01	31	0.02	22	<2	3	11	<5	<3	66
8904 T397	0.2	1.44	7	198	<3	0.16	0.1	14	44	20	2.26	0.09	0.49	421	2	0.01	25	0.03	25	<2	3	13	<5	<3	73
8904 T398	0.3	1.35	7	179	<3	0.14	0.1	11	39	17	1.90	0.08	0.48	257	1	0.01	25	0.02	21	<2	2	11	<5	<3	82
8904 T399	0.1	1.41	17	165	<3	0.23	0.8	19	124	25	2.34	0.11	0.93	404	1	0.01	92	0.10	20	<2	2	14	<5	<3	123
8904 T400	0.2	1.71	3	322	<3	0.26	0.1	12	39	31	1.99	0.10	0.65	400	1	0.01	38	0.05	22	<2	<2	21	<5	<3	70
8904 T401	0.2	1.31	4	122	<3	0.17	0.1	8	25	16	1.58	0.07	0.43	210	1	0.01	16	0.02	21	<2	2	13	<5	<3	50
8904 T402	0.1	2.15	32	108	<3	0.15	0.3	18	45	37	2.84	0.11	0.77	289	2	0.01	46	0.02	24	<2	2	11	<5	<3	57
8904 T403	0.1	2.40	44	147	<3	0.17	0.6	27	56	28	3.85	0.15	0.88	678	2	0.01	48	0.03	29	<2	2	11	<5	<3	80
8904 T404	0.1	1.60	27	148	<3	0.32	0.4	23	47	24	3.23	0.15	0.62	634	2	0.01	30	0.03	27	<2	2	14	<5	<3	56
8904 T405	0.2	2.26	53	153	<3	0.44	0.6	35	69	44	4.15	0.20	0.87	1597	2	0.02	49	0.04	29	<2	3	19	<5	<3	80
8904 T406	0.1	2.19	47	153	<3	0.14	0.6	26	133	22	3.54	0.13	0.99	684	2	0.01	66	0.02	27	<2	2	10	<5	<3	64
8904 T407	0.1	2.18	40	235	<3	0.27	0.8	31	211	32	3.58	0.01	1.12	1318	2	0.01	121	0.04	29	<2	2	19	<5	<3	60
8904 T408	0.1	0.33	<3	59	<3	1.44	0.1	1	5	20	0.16	0.21	0.90	19	<1	0.01	40	0.08	15	<2	2	46	<5	<3	30
8904 T409	0.2	1.53	8	202	<3	0.19	0.1	10	42	19	1.98	0.09	0.58	197	1	0.01	30	0.03	22	<2	2	14	<5	<3	67
8904 T410	0.1	1.32	5	154	<3	0.17	0.1	8	25	15	1.61	0.07	0.48	163	1	0.01	14	0.01	21	<2	2	13	<5	<3	51
8904 T411	0.1	1.54	23	178	<3	0.16	0.1	11	38	34	2.12	0.09	0.62	232	2	0.01	29	0.02	19	<2	2	11	<5	<3	48
8904 T412	0.1	1.31	10	160	<3	0.18	0.1	9	24	16	1.75	0.08	0.47	219	1	0.01	17	0.03	18	<2	2	14	<5	<3	57
8904 T413	0.1	1.25	<3	220	<3	0.22	0.1	8	20	15	1.39	0.07	0.36	355	1	0.01	14	0.02	18	<2	2	16	<5	<3	42
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: 890423 PA | DUNVEGAN EXPL. LTD. | Proj: 8904 | Date In: 89/08/08 | Date Out:89/08/21 | Att: W. TAYLOR |

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
8904 T414	0.1	0.95	<3	131	<3	1.10	0.1	7	39	38	1.15	0.19	0.39	390	1	0.01	66	0.07	14	<2	<2	55	<5	<3	46
8904 T415	0.1	1.37	<3	273	<3	0.25	0.1	11	29	19	1.65	0.09	0.46	617	1	0.01	31	0.04	20	<2	2	20	<5	<3	62
8904 T416	0.1	1.01	<3	178	<3	0.24	0.1	6	24	14	1.38	0.08	0.38	129	1	0.01	18	0.02	16	<2	<2	17	<5	<3	36
8904 T417	0.2	1.92	6	241	<3	0.18	0.1	11	35	22	2.26	0.10	0.59	264	2	0.01	23	0.03	25	<2	3	16	<5	<3	68
8904 T418	0.2	1.60	<3	185	<3	0.21	0.1	8	24	17	1.76	0.08	0.46	218	1	0.01	15	0.02	23	<2	2	16	<5	<3	46
8904 T419	0.2	1.15	<3	151	<3	0.22	0.1	8	21	13	1.30	0.07	0.38	369	1	0.01	13	0.01	18	<2	2	14	<5	<3	43
8904 T420	0.3	1.06	<3	138	<3	0.17	0.1	8	21	13	1.36	0.07	0.37	212	1	0.01	13	0.02	18	<2	2	12	<5	<3	49
8904 T421	0.2	1.31	8	157	<3	0.18	0.1	9	23	16	1.83	0.08	0.45	251	1	0.01	15	0.02	19	<2	2	14	<5	<3	43
8904 T422	0.2	1.75	30	275	<3	0.16	0.9	20	77	37	2.82	0.11	0.64	640	2	0.01	50	0.05	26	<2	2	13	<5	<3	185
8904 T423	0.1	1.43	11	126	<3	0.15	0.3	11	46	19	2.24	0.09	0.78	291	2	0.01	28	0.03	20	<2	2	11	<5	<3	59
8904 T424	0.3	1.63	4	212	<3	0.15	0.1	10	33	21	1.91	0.08	0.56	208	1	0.01	22	0.01	23	<2	2	12	<5	<3	40
8904 T425	0.2	1.91	36	140	<3	0.23	0.3	21	46	33	2.83	0.12	0.72	674	2	0.01	40	0.02	24	<2	2	14	<5	<3	61
8904 T426	0.1	1.85	32	131	<3	0.21	0.3	18	47	30	2.73	0.12	0.77	523	2	0.01	40	0.02	25	<2	2	13	<5	<3	55
8904 T427	0.1	2.36	42	179	<3	0.45	0.5	34	45	65	3.32	0.17	0.66	823	2	0.01	67	0.06	25	<2	2	24	<5	<3	64
8904 T428	0.1	0.95	12	160	<3	0.47	0.1	14	19	31	1.80	0.12	0.28	422	1	0.01	22	0.04	15	<2	2	26	<5	<3	49
8904 T429	0.1	2.15	58	231	<3	0.20	0.6	20	52	23	3.66	0.14	0.59	354	2	0.01	41	0.03	25	<2	2	15	<5	<3	82
8904 T430	0.3	1.89	16	233	<3	0.24	0.3	12	36	27	2.28	0.11	0.64	259	2	0.01	30	0.02	27	<2	2	14	<5	<3	63
8904 T431	0.3	1.98	33	186	<3	0.26	0.1	13	33	24	2.38	0.11	0.70	296	2	0.01	29	0.01	24	<2	2	15	<5	<3	56
8904 T432	0.3	1.93	16	218	<3	0.23	0.1	12	38	24	2.29	0.10	0.66	230	2	0.01	27	0.01	25	<2	2	15	<5	<3	52
8904 T433	0.2	1.64	3	195	<3	0.14	0.1	12	23	19	1.94	0.08	0.35	1071	1	0.01	18	0.03	24	<2	2	10	<5	<3	99
8904 T434	0.3	1.77	<3	221	<3	0.23	0.3	13	31	18	2.01	0.10	0.46	576	2	0.01	26	0.04	24	<2	3	13	<5	<3	124
8904 T435	0.2	1.49	<3	208	<3	0.23	0.3	13	29	19	2.00	0.10	0.44	826	2	0.01	19	0.05	23	<2	3	14	<5	<3	102
8904 T436	0.3	1.89	4	326	<3	0.27	0.8	25	33	52	2.29	0.12	0.45	1694	2	0.02	47	0.09	28	<2	2	23	<5	<3	167
8904 T437	0.3	1.36	<3	211	<3	0.22	0.1	12	29	19	2.00	0.09	0.46	348	1	0.01	26	0.10	23	<2	2	16	<5	<3	69
8904 T438	0.6	1.75	<3	321	<3	0.31	0.5	11	35	51	1.99	0.11	0.54	531	1	0.01	54	0.10	20	<2	<2	27	<5	<3	92
8904 T439	0.5	1.48	9	219	<3	0.33	0.5	13	43	37	2.23	0.12	0.71	471	2	0.02	42	0.08	24	<2	3	25	<5	<3	85
8904 T440	0.3	1.60	4	158	<3	0.19	0.1	8	33	22	1.73	0.08	0.54	186	1	0.01	22	0.01	21	<2	2	14	<5	<3	37
8904 T441	0.2	2.39	<3	396	<3	0.22	0.1	10	34	36	2.08	0.10	0.43	555	1	0.02	36	0.07	24	<2	2	23	<5	<3	77
8904 T442	0.5	1.96	6	254	<3	0.23	0.1	13	37	28	2.40	0.11	0.59	505	2	0.01	35	0.06	26	<2	2	16	<5	<3	88
8904 T443	0.3	0.91	<3	183	<3	0.22	0.3	8	24	15	1.58	0.08	0.28	198	1	0.01	14	0.03	20	<2	2	14	<5	<3	102
8904 T444	0.3	1.36	<3	259	<3	0.32	0.3	10	37	28	1.90	0.10	0.54	266	1	0.01	39	0.03	20	<2	3	25	<5	<3	56
8904 T445	0.6	1.96	7	359	<3	0.24	0.5	16	43	39	2.64	0.12	0.61	566	2	0.02	46	0.06	28	<2	2	19	<5	<3	103
8904 T446	0.6	2.04	8	359	<3	0.46	0.5	16	53	52	2.69	0.15	0.81	648	2	0.02	65	0.08	27	<2	3	31	<5	<3	90
8904 T447	0.5	1.15	<3	152	<3	0.24	0.1	11	37	22	1.79	0.09	0.57	301	1	0.01	31	0.04	20	<2	2	16	<5	<3	55
8904 T448	0.4	1.35	<3	226	<3	0.26	0.1	12	38	24	1.95	0.10	0.55	425	1	0.01	33	0.03	21	<2	2	17	<5	<3	75
8904 T449	0.3	1.48	4	205	<3	0.26	0.1	13	36	28	1.99	0.10	0.52	524	1	0.01	36	0.05	22	<2	2	17	<5	<3	72
8904 T601	0.1	1.24	6	212	<3	0.89	0.1	11	70	38	1.59	0.18	0.75	355	1	0.01	69	0.07	16	<2	3	33	<5	<3	58
8904 T602	0.1	0.89	10	248	<3	1.14	0.1	6	85	33	0.96	0.19	1.10	220	<1	0.01	166	0.09	11	<2	2	59	<5	<3	61
8904 T603	0.1	0.92	6	142	<3	0.87	0.1	8	40	29	1.31	0.17	0.83	232	1	0.01	57	0.06	12	<2	2	61	<5	<3	45
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

REPORT #: 890423 PA DUNVEGAN EXPL. LTD. Proj: 8904 Date In: 89/08/08 Date Out:89/08/21 Att: W. TAYLOR

Sample Number	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
8904 T604	0.1	0.84	5	215	<3	1.51	0.1	8	87	48	1.10	0.25	1.04	199	1	0.01	126	0.11	11	<2	3	64	<5	<3	78
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

APPENDIX 4

BUG MAIN GRID SAMPLES

Date	Location		Sample No.	Width	Description	Au (ppb)	Remarks
6/7/89	10 + 00N	0 + 40E	25687	Grab (Subcrop)	Siliceous grey, intermediate volcanic. Minor foliation.	30	
6/7/89	9 + 73N	1 + 00E	25688	Selective Grab	Fault breccia. Silica/clay matrix. Some chlorite and chrome mica. Sub angular white clay altered fragments. Very siliceous with bladed quartz/ calcite crysals, vuggy quartz, chalcedonic texture. Adjacent to chrome mica, iron carbonate altered ultramafic. No visible sulphides.	5	
7/7/89	1 + 85N Above old adit.	Baseline	25689	Grab	Iron carbonate-chrome mica altered ultramafic. Intense cross cutting silica veining. K - feldspar alteration.	20	
8/7/89	4 + 75N roadside	0 + 75E	25690	Selective Grab fist size	Iron carbonate altered ultra-mafic. Siliceous with micro-veinlets of quartz cutting fabric. Trace py.	10	106 ppm Pb 115 ppm Zn
8/7/89	4 + 00N	4 + 00W	25691	Grab (15cm)	Quartz carbonate vein within foliated volcanic tuffs? or sedimentary rocks?	10	
8/7/89	5 + 15S	Baseline	25692	90cm chip	Silica flooded chrome mica iron carbonate altered ultra-mafic. Trace py.	10	
10/7/89	12 + 20N south end of lake	1 + 15W	25698	Selective Grab	Fault breccia. Quartz matrix, dark angular fragments. In contact with chrome mica, iron carbonate altered ultramafics. Shear contact. No visible sulphides.	20	
9/7/89	1 + 00S	3 + 05W	25699	Selective Grab	Siliceous, foliated, chrome mica altered serpentinite. Some brecciation.	20	

ROCK GEOCHEMISTRY - BUG TRENCH 2 SAMPLES

Date	Location	Sample No.	Width	Description	Au (ppb)	Remarks
4/7/89	NW end of Trench 2 (south wall)	25673	25cm chip	Quartz vein (pod). Bull quartz in sheared volcanics? Sediments?	5	164 ppm Zn
4/7/89	NE end of Trench 2	25674	11cm chip	Gouge, white/brown colour & sedimentary rock fragments.	5	
4/7/89	10m ESE of 25674	25675	29cm chip	Quartz vein with graphitic chloritic inclusions. Hematite stained bull quartz.	10	
4/7/89	Centre (NE wall) of Trench 2	25676	65cm chip	Quartz vein, with chloritic inclusions.	5	
4/7/89	Centre (NE wall) of Trench 2	25677	Selective Grab	Gouge and altered H.W. volcanics? sediments? Adjacent to quartz vein.	20	
4/7/89	NE end of Trench 2. 20m NW of 25674	25678	35cm chip	Quartz calcite/vein or pod in lime-stone wedge.	5	
15/7/89	2m west of 25675	25634	Selective Grab	Sheared volcanics (tan/green), moderate iron carbonate alteration. Diss py.	40	
15/7/89	Centre of Trench 2 (87m SE from NE end)	25635	Grab	Volcanic tuff, brecciated. Fragments with py, quartz matix - unmineralized. Buff weathered colour.	40	

BUG TRENCH 3 SAMPLES

Date	Location	Sample No.	Width	Description	Au (ppb)	Remarks
3/7/89	Trench 3	25679	29cm chip	Gouge, orange colour, at contact between serpentinite and fissile sedimentary rocks. Chrome mica and iron carbonate alteration in the serpentine with silica flooding.	10	

BUG TRENCH 4 SAMPLES

Date	Location	Sample No.	Width	Description	Au (ppb)	Remarks
4/7/89	Trench 4	25670	76cm chip	Silica rich iron carbonate, chrome mica altered ultra-mafic/serpentinite.	5	
4/7/89	on roadside west of Trench 4	25671	16cm chip	Quartz vein (pod). White bull quartz. Strike 155° dip vertical. No visible sulphides.	5	
4/7/89	Trench 4 west of 25670	25672	30cm chip	Iron carbonate, buff coloured altered rock, ajacent to 25670.	5	

APPENDIX 5

ROCK GEOCHEMISTRY - TOG PROPERTY (MAIN GRID) SAMPLES

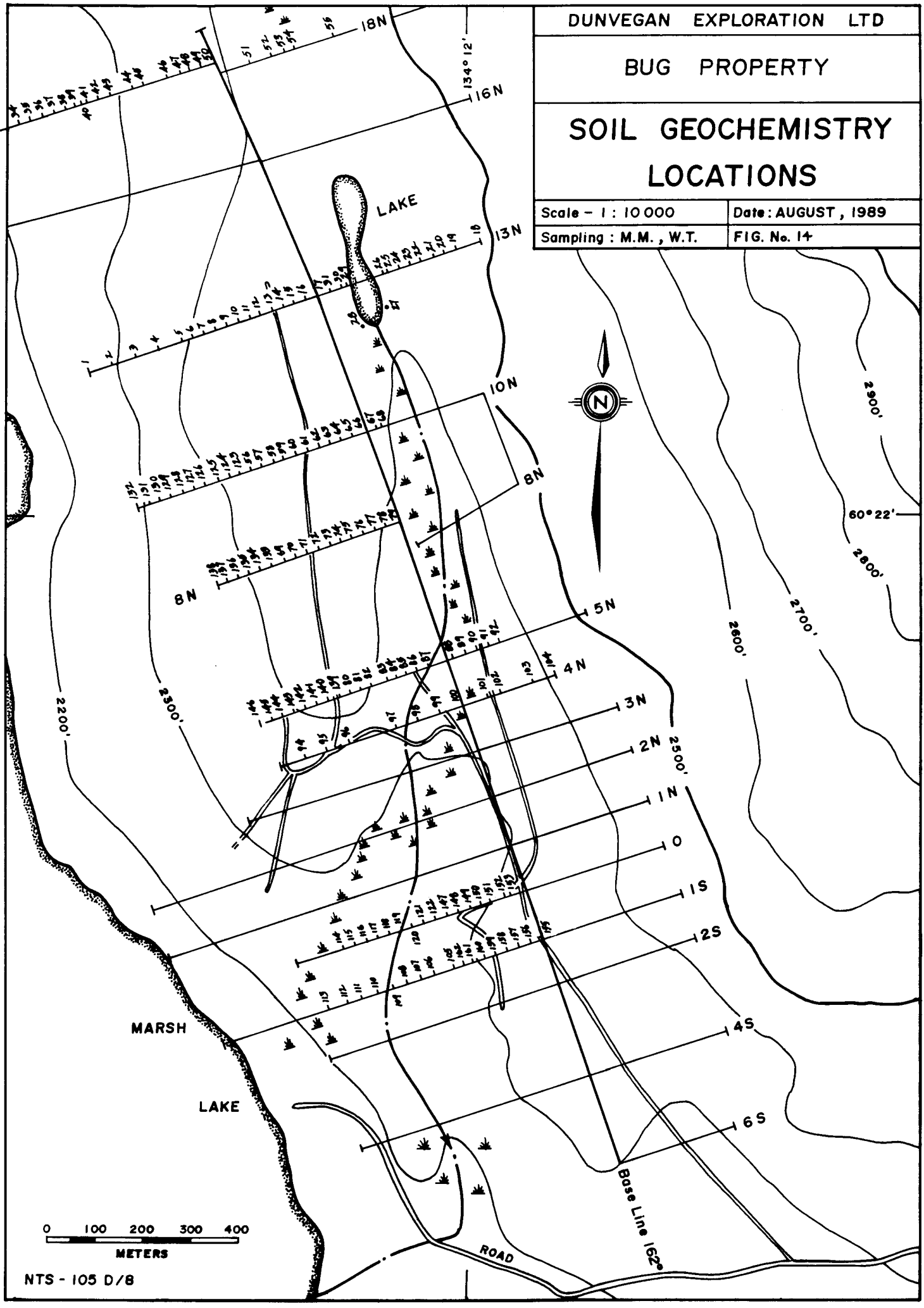
Date	Location	Sample No.	Width	Description	Au (oz/ST) unless indicated	Remarks
18/7/89	1 + 00S 3 + 35E	25801	Grab	Serpentinized peridotite iron carbonate clots.	10 ppb	
18/7/89	2 + 00S 3 + 00E	25802	Grab	Black siliceous volcanic or chert with quartz stringers. Diss py.	80 ppb	
18/7/89	2 + 00S 3 + 20E	25803	Grab	Black siliceous volcanic sulphur stained with quartz veinlets. Diss py.	40 ppb	
18/7/89	1 + 80S 3 + 35E	25804	Grab	Iron carbonate altered Ultramafic. Green chrome mica, quartz veinlets.	20 ppb	
18/7/89	2 + 50S 3 + 50E	25805	Grab	Iron carbonate altered ultramafic. Chrome mica, sericite and quartz carbonate sweats.	30 ppb	
18/7/89	4 + 45S 0 + 50E	25806	Grab	Iron carbonate altered ultramafic. Abundant quartz sweats.	20 ppb	
18/7/89	4 + 25S 0 + 50E	25807	Grab	Siliceous iron carbonate altered ultramafic. Abundant chrome mica.	10 ppb	
18/7/89	4 + 05S 0 + 50E	25808	Grab	Highly siliceous chrome mica rich altered ultramafic. Py, cpy.	5 ppb	305 ppm As 0.5 ppm Ag
18/7/89	4 + 05S 0 + 70E	25809	Grab (15cm)	Quartz vein with brown limonite clots. Hosted by siliceous, chrome mica rich iron carbonate altered ultramafic.	5 ppb	
18/7/89	4 + 29S 2 + 00E	25810	Grab	Grey/green intermediate (Dacitic?) epidote altered volcanic.	5 ppb	
19/7/89	6 + 00S 2 + 00E	25811	Grab	Quartz carbonate veins bladed crystals, vuggy cavities, hosted by intermediate green volcanics.	5 ppb	
19/7/89	6 + 00S 3 + 00E	25812	Grab	Fine grained intermediate green volcanic, quite siliceous.	5 ppb	0.7 ppm Ag
19/7/89	6 + 00S 2 + 30E	25813	Grab	Intermediate green volcanic highly siliceous, vuggy quartz veins & some calcite.	10 ppb	
19/7/89	6 + 00S 1 + 50E	25814	Grab	Siliceous iron carbonate altered volcanics, some epidote alteration.	10 ppb	
19/7/89	20m south (162°) of 6 + 00S 0 + 25E	25815	Grab	Quartz vein and mineralized iron carbonate chrome mica rich altered ultramafic gal, cpy, py. Quartz vein 16cm wide sulphides near H.W. of vein 132°/55° SW	0.005	11.1 ppm Ag 237 ppm Pb 234 ppm As 261 ppm Cu
19/7/89	20m south (162°) of 6 + 00S 0 + 25E	25816	Selective Grab	Siliceous chrome mica iron carbonate altered ultramafic. Py, gal, cpy.	0.005	
19/7/89	3m west of 25816	25817	Selective Grab	Quartz vein with siliceous iron carbonate-chrome mica alteration. Minor gal, cpy, py. Quartz vein is 30 cm wide.	5 ppb	Quartz vein is 30cm wide.
19/7/89	Some location as 25816	25818	Grab	Siliceous chrome-mica iron carbonate altered ultramafic.	5 ppb	
19/7/89	6 + 25S 0 + 10E	25819	Grab	Silica flooded iron carbonate altered ultramafic (chrome mica rich). Dogtooth quartz crystal intergrowth.	5 ppb	

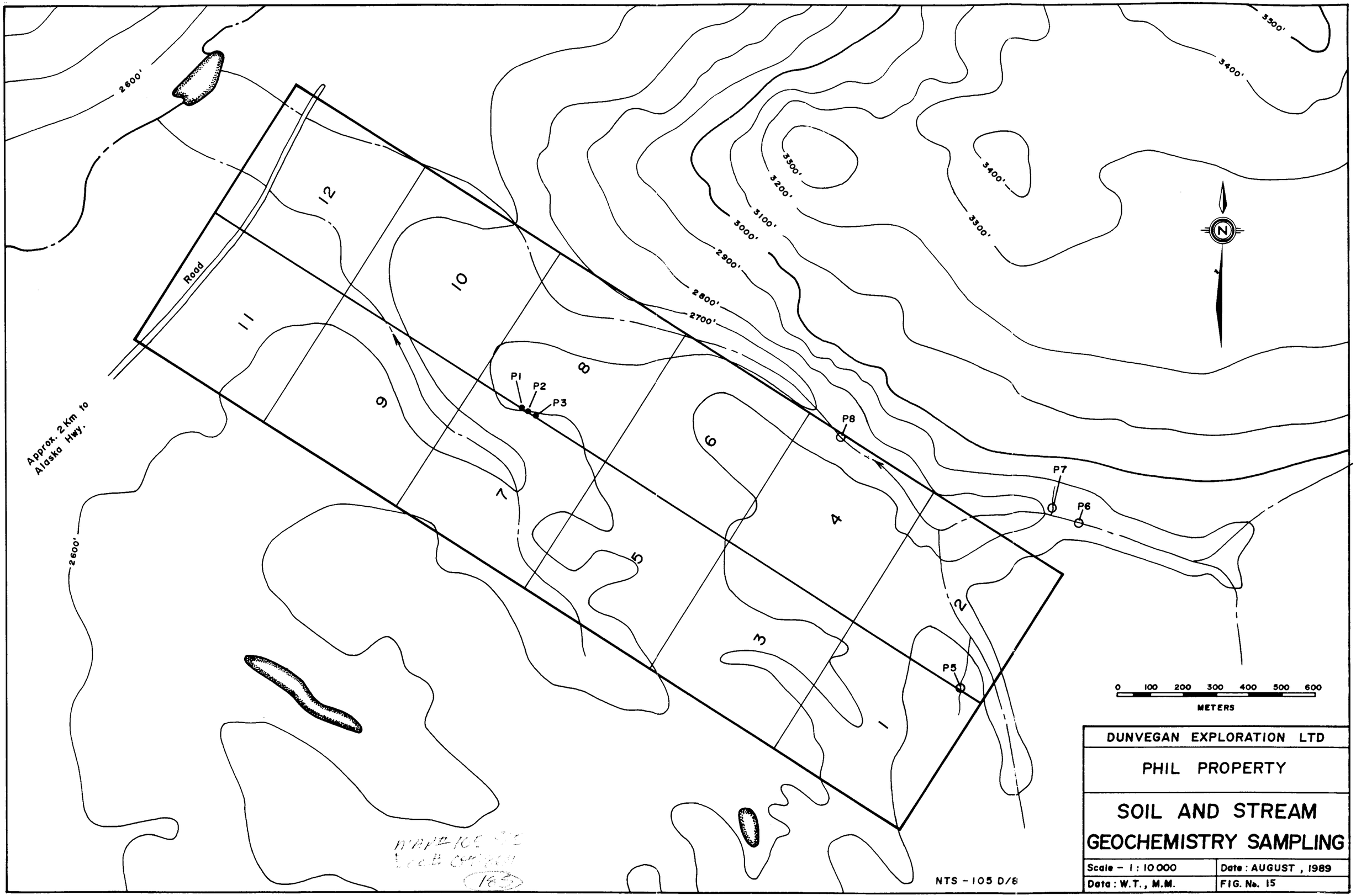
Date	Location	Sample No.	Width	Description	Au (oz/ST) unless indicated	Remarks
20/7/89	5 + 10S 0 + 15E	25823	Grab	Quartz vein hosted by chrome mica rich-iron carbonate altered ultramafic.	10 ppb	
20/7/89	5 + 10S 0 + 20E	25824	Grab	Silica flooded. Chrome mica rich-iron carbonate altered ultramafic. Py, pyrhh?	10 ppb	
20/7/89	5m south of 25823	25825	Grab	Foliated iron carbonate altered ultramafic, some chrome mica, chloritic & graphitic, talc bands. Py, pyrhh?	20 ppb	
20/7/89	4 + 90S 0 + 75E	25826	Grab	Quartz vein - with orange gouge, some hematite, py.	5ppb	
20/7/89	4 + 25S 2 + 80E	25827	Selective Grab	Black pyroxenite. Locally serpentinized. Mal, py in fractures.	10 ppb	1.4 ppm Ag 1300 ppm Cu
20/7/89	15m SE of 3 + 50S 0 + 75E	25828	Selective Grab	Very siliceous, grey, iron carbonate chrome mica, altered ultramafic, trace py.	20 ppb	1.2 ppm Ag 1202 ppm As 194 ppm Pb
20/7/89	3 + 50S 1 + 75E	25829	Grab	Iron carbonate altered rock with pyroxenes - replaced by amphiboles py.	5 ppb	
21/7/89	Roadside (off grid) Lat. 60°24'18" Long. 133°7'25"	25830	Grab	Chert with quartz stockwork veining. Weathered py.	20 ppb	129 ppm Cu
21/7/89	11m north of 1 + 50E 3 + 00S	25831	Selective Grab	Black siliceous volcanic rusty weathered out phenocrysts. 'Quartz stockwork' with py.	20 ppb	160 ppm Cu
21/7/89	2m 55E of 25831	25832	Grab	Quartz vein, some black carbonaceous wall rock. Weathered out py.	20 ppb	118 ppm Zn
21/7/89	3 + 00S 1 + 25E on south side of road	25833	Grab (subcrop)	Very siliceous volcanic, py up to 5%. Large cubes 2mm diameter.	30 ppb	
23/7/89	10m 55E of 2 + 00S 3 + 00W	25834	Selective Grab	Buff coloured, ankeritic volcanic tuff. Very siliceous. Elongate silica blebs with cross-cutting veinlets. Iron carbonate brown matrix.	n.d.	
26/7/89	2 + 00E 3 + 85S (main grid) 70SW 60NW (showing grid)	25835	Grab	Quartz vein in shear within serpentinite some rusty gouge.	n.d.	0.5m from a chromite pod.
29/7/89	Some no 25815 and 25816	25837	Selective grab	Quartz flooded - iron carbonate altered ultramafic. Py, gal, & grey sulphides	20 ppb	10.9 ppm Ag 267 ppm Cu 156 ppm Pb 544 ppm As
29/7/89	Same as 25836	25838	Selective grab	Iron carbonate chrome mica altered ultramafic with quartz veinlets. No visible sulphides.	n.d.	
30/7/89	2 + 75S 2 + 40W	25839	Grab	Volcanic with chert nodules. iron carbonate altered (buff colour) 0.5m spaced fractures with quartz veinlets.	n.d.	
31/7/89	13 + 00S 0 + 83W	25840	Grab	Quartz vein with ankerite. Hosted by massive intermediate volcanics.	n.d.	
31/7/89	12 + 00S 4 + 25W	25841	Grab	Sheared volcanic, buff green colour due to serpentine bands.	n.d.	

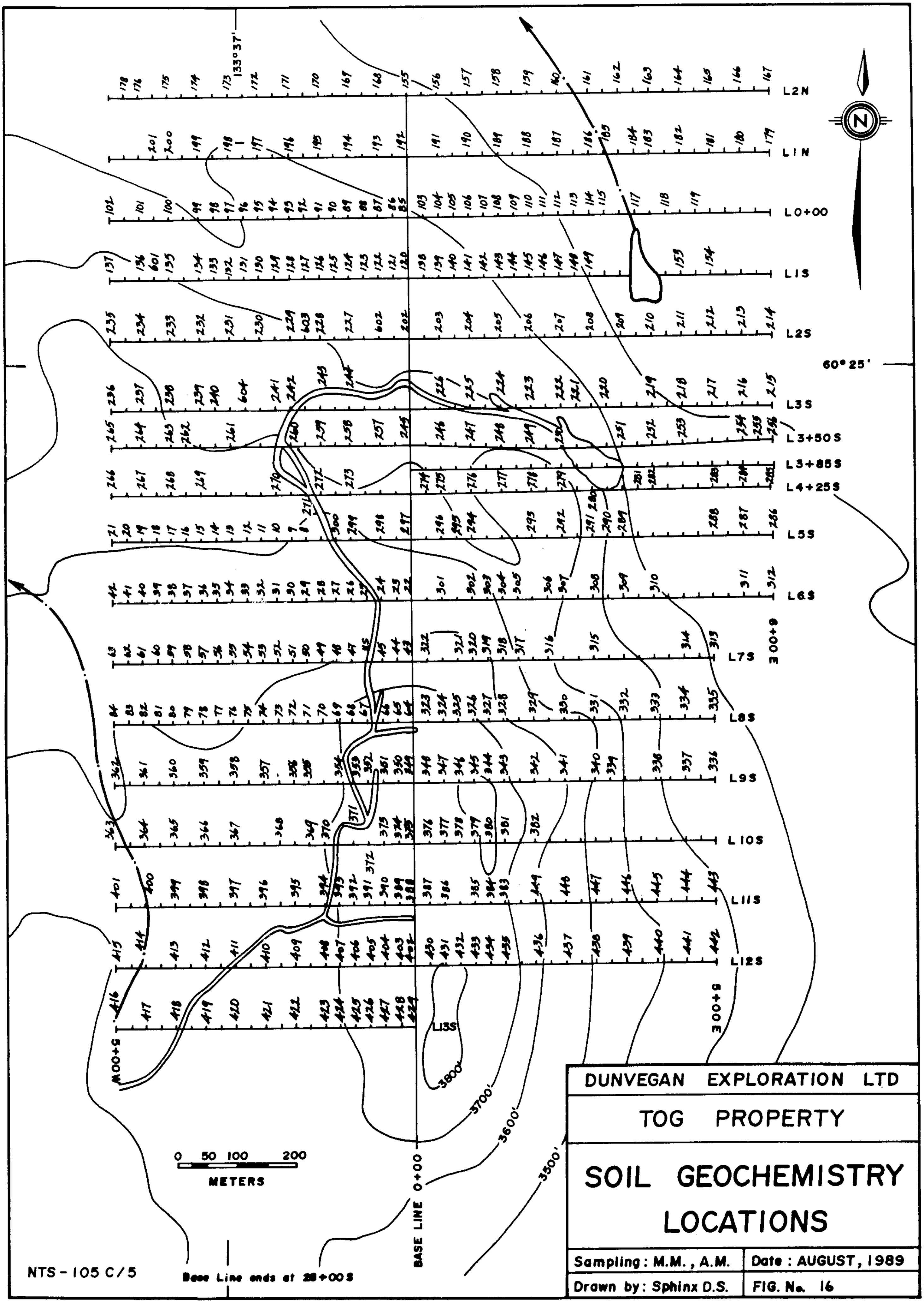
Date	Location	Sample No.	Width	Description	Au (oz/ST) unless indicated	Remarks
31/7/89	12 + 00S 0 + 83W	25842	Grab	Iron carbonate altered volcanic. Buff/cream colour. Quite siliceous, remnant black volcanic fragments. No visible sulphides.	n.d.	
31/7/89	11 + 50S 4 + 00W	25843	Grab (Subcrop)	Quartz vein, rusty, fractured hematite stained, hosted by mafic volcanic.	n.d.	
31/7/89	9 + 25S 1 + 00W	25844	Subcrop Float?	Iron carbonate altered rock. Buff/grey colour, partially siliceous. Py.	60 ppb	
31/7/89	10 + 00S 2 + 25E	25845	Grab	Very siliceous, light green volcanic. Serpentine fractured & micro fractures with quartz. Py.	n.d.	
1/8/89	8 + 00S 2 + 44E	25846	Grab	Quartz carbonate vein in NNW fracture. Chloritic bands, no visible sulphides.	n.d.	
1/8/89	8 + 03S 2 + 25E	25847	Grab Subcrop	Quartz vein, fractured, hematite stained no visible sulphides.	n.d.	
1/8/89	8 + 00S 0 + 30E	25848	Grab Subcrop	Siliceous iron carbonate altered ultramafic - minor chrome mica. Diss py, gal?	n.d.	
17/7/89	3 + 00S 2 + 95E	25636	Grab	Sheared buff coloured volcanic. Ankerite alteration. Dark grey when fresh, very fine grained. Py up to 5%.	n.d.	
30/7/89	3 + 30S 0 + 68E	25645	Grab	Pyroxenite/gabbro. Medium grained black/green/pink colour, abundant diss py.	n.d.	0.5 ppm Ag
30/7/89	3 + 25E 5 + 00S	25646	Grab	Quartz carboante veins 10-15 cm wide. Some chlorite. Hosted by light green intermediate, massive volcanics.	n.d.	0.7 ppm Ag
2/8/89	32m NNW of 25724	25647	Grab	Very siliceous, chrome mica, iron carbonate altered ultramafic. No visible sulphides.	n.d.	0.8 ppm Ag
2/8/89	20m NE (043°) of 25724	25648	Grab	Silica flooded, chrome mica, iron carbonate altered ultramafic. No visible sulphides.	n.d.	0.8 ppm Ag
2/8/89	B.L. 4 + 70S	25649	Grab	Silica flooded, chrome mica iron carbonate altered ultramafic. Minor diss py.	30	0.7 ppm Ag
2/8/89	4 + 30S 0 + 30W	25650	Grab	Silica flooded, chrome mica iron carbonate altered ultramafic. No visible sulphides.	n.d.	0.7 ppm Ag
1/8/89	10m SE of 3 + 00S 2 + 00W (roadside)	25709	Selective Grab	Fault breccia angular black chert fragments (0.1cm to 20cm) in siliceous quartz matrix. Fractures and vugs filled with limonite.	30 ppb	1.1 ppm Ag
1/8/89	12m SE of 3 + 00S 2 + 00W on road (roadside)	25710	104cm chip	Fault breccia with quartz veinlets cutting chert fragments. with limonite. Some minor carbonate alteration.	n.d.	
1/8/89	14m SE of 3 + 00S 2 + 00W (roadside)	25711	Grab	Foliated, silicified, chloritic, tan brown, tuffaceous volcanic. Minor quartz veinlets, some brecciation.	n.d.	104 ppm Zn
1/8/89	14.5m SE of 3 + 00S 2 + 00W (roadside)	25712	24cm chip	Orange gouge, adjacent to fault breccia. (clay enriched).	10	105 ppm Zn
1/8/89	15.5m SE of 3 + 00S 2 + 00W (roadside)	25713	Selective Grab	Fault breccia. Same as 25709.	n.d.	
1/8/89	17m SE of 3 + 00S 2 + 00W	25714	Grab	Grey volcanic, minor silicification, limonite coated fractures, + 1cm vugs. In contact with fault breccia.	n.d.	153 ppm Zn

Date	Location	Sample No.	Width	Description	Au (oz/ST) unless indicated	Remarks
1/8/89	6m South of 25714	25715	Grab	Grey volcanic, brecciated with quartz matrix. Limonite in fractures. Minor cpy, py.	n.d.	0.8 ppm Ag 133 ppm Cu
1/8/89	2m NE of 25715	25716	Grab	Grey volcanic - chloritic, unaltered.	n.d.	1.0 ppm Ag 121 ppm Zn
1/8/89	1m East of 25716	25717	Selective Grab	Red/brown gouge and sheared, highly altered limonitic volcanic.	n.d.	247 ppm Cu
1/8/89	15m SSW of Station 3 = 50S 2 + 00W	25718	Grab	Silica flooded, talc altered, sheared ultramafic.	n.d.	0.7 ppm Ag
1/8/89	5m East of 25718	25719	Grab	Talc altered, sheared, tan to grey ultramafic. Some silica.	30 ppb	
1/8/89	10m East of 25718	25720	Grab (50cm)	Highly talc altered, sheared iron carbonate rich serpentinite. Tan-white colour.	40 ppb	0.7 ppm Ag
1/8/89	20m East of 25718	25721	Grab	Massive serpentinite, black/ green colour.	20 ppb	
1/8/89	21m NW (310°) of 6 + 00S 0 + 50W (north side of road)	25722	Grab	Altered serpentinite. Talc/ silica/limonite alteration. Minor K-feldspar minor py.	n.d.	
	4m South of 25722	25723	Grab	Sheared talc altered serpentinite.	n.d.	
1/8/89	34m NNW (010°) from 6 + 00S 0 + 25W	25724	Grab	Quartz vein - massive bull-quartz. Hosted by chrome mica, iron carbonate rock. Minor calcite.	n.d.	
2/8/89	3 + 50S 1 + 75E	25748	Grab	Hornblende diorite/pyroxenite. massive. Mottled green/grey/ black colour. Minor py.	n.d.	
26/7/89	2 + 00E 3 + 85S	25865	Selective Grab	Massive chrome pod in serpen tinite. Plunging 60°SSE	30 ppb	Analysed for Platininum, Paladium, Gold and Silver. 0.1 ppm Ag; n.d. Pd n.d. Pt

APPENDIX 6


DUNVEGAN EXPLORATION LTD
BUG PROPERTY
SOIL GEOCHEMISTRY LOCATIONS
Scale - 1 : 10 000
Date : AUGUST , 1989
Sampling : M.M. , W.T.
FIG. No. 14
18N
16N
13N
10N
8N
5N
4N
3N
2N
1N
0
1S
2S
4S
6S
LAKE
MARSH
LAKE
ROAD
Base Line 162°
134° 12'
60° 22'
2900'
2800'
2700'
2600'
2500'
2300'
2200'
N
0 100 200 300 400
METERS
NTS - 105 D/8


3500'
3400'
3300'
3400'
3300'
3200'
3100'
3000'
2900'
2800'
2700'
2600'
2600'
Road
Approx. 2 Km to Alaska Hwy.
12
11
10
9
8
7
6
5
4
3
2
1
P1
P2
P3
P5
P6
P7
P8
N
0 100 200 300 400 500 600
METERS
NTS - 105 D/8
DUNVEGAN EXPLORATION LTD
PHIL PROPERTY
SOIL AND STREAM GEOCHEMISTRY SAMPLING
Scale - 1 : 10 000
Date : AUGUST , 1989
Data : W.T., M.M.
FIG. No. 15



DUNVEGAN EXPLORATION LTD

TOG PROPERTY

SOIL GEOCHEMISTRY LOCATIONS

Sampling: M.M., A.M.	Date: AUGUST, 1989
Drawn by: Sphinx D.S.	FIG. No. 16