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AMENDED PROSPECTUS

003241

DATED: DECEMBER 18, 1991
as amended on
June 10, 1992

DELGRATIA DEVELOPMENTS LTD.

(the "Issuer")

630 - 800 West Pender Street
Vancouver, B.C.
V6C 2V6
(604) 685-7933

082F/GE
Hillside
82FSW/69 ✓

NEW ISSUE

OFFERING: 600,000 SHARES

The Offering may be increased by up to 15% (or 90,000 Shares) to meet oversubscription. See "PLAN OF DISTRIBUTION" herein.

	Price to Public	Commission Payable	Net Proceeds to be received by the Issuer
Per Share:	\$0.50 ¹	\$0.05	\$0.45
Total:	\$300,000	\$30,000	\$270,000 ²

¹ The Offering Price has been determined by the Issuer in negotiation with the Agents.

² Before deduction of expenses of this Offering estimated not to exceed \$40,000.

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EFFECTIVE DATE: JUNE 15, 1992

Seed
July 10/92

DELGRATIA DEVELOPMENTS LTD.

P R O S P E C T U S

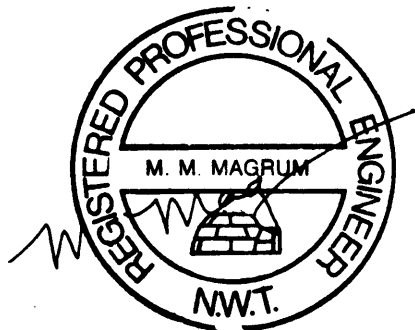
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during January of 1992.

Permission is granted to print this letter in the revised prospectus.

Yours truly,



Michael M. Magrum, P.Eng.

SUMMARY REPORT AND PROPOSED EXPLORATION PROGRAM

HILLSIDE CLAIM GROUP

NELSON MINING DIVISION
SOUTH EASTERN BRITISH COLUMBIA
CANADA

NTS: 82F/6E
Longitude: 117 ° 18' west
Latitude: 49 ° 27' north

Project Operator: Delgratia Developments Ltd.
304 - 701 West Georgia St.
Vancouver, British Columbia

Date Submitted: February 6, 1991

Report Authors: M. Magrum, P.Eng.
C. von Einsiedel, BSc.

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TERMS OF REFERENCE

Pursuant to an agreement dated December 15, 1989 Delgratia Developments Ltd. acquired an option to purchase a gold property located near Nelson in southeastern British Columbia. Historically, this district is noted for small, high grade, vein type gold occurrences however recent exploration of adjoining properties by Pacific Sentinel Resources and South Pacific Gold Corp. suggests a previously unrecognized potential for bulk tonnage, low grade gold - copper deposits.

B.C. Ministry of Mines records describe several gold occurrences on the property including both vein-type prospects (known as the California Mine et al. which operated circa. 1897 to 1947) and wide, gold bearing alteration zones in fractured, pyritized volcanics of the locally important Else Formation.

During 1987 and 1988 a previous operator (Magrum, 1987) sampled surface trenches and accessible parts of abandoned underground workings and, commenced rehabilitation of the lowermost level (No.3) of the "California mine". Work included upgrading of the access road; fencing and closure of open portals and areas stoped to surface; construction of a new drift to bypass a large, caved-in stope; and, a preliminary geochemical survey of altered volcanic rocks exposed in the southeastern part of the claims.

During 1990 Delgratia continued rehabilitation of the No.3 Level including installation of air service; timbering and retracking; construction of new manways to provide access for drift sampling and geological mapping; and, underground surveying to provide control for the proposed underground drilling program. It is important to note however that the main stoped area on this level remains inaccessible and may only be investigated by underground drilling.

This report summarizes available technical data regarding the property, describes the work done in 1990 and includes an estimate of the expected costs of completing an underground drilling program designed to evaluate the potential for gold mineralization below the existing levels of the California Mine.

SUMMARY

The Hillside Claim Group consists of six Crown Grants and seven mineral claims covering an area approx. 2.5 kilometers long and one kilometre wide, easily accessible from the south end of Nelson.

Local vein-type, gold deposits are typically associated with shearing at or near volcanic / intrusive contacts and have potential to host reserves of up to several hundred thousand tons at historical production averages of between 0.25 and 0.75 oz/ton gold. The subject property covers several such occurrences (termed the California Vein, Cabin Vein, Exchequer Vein, Creek Showing, Union Vein) most of which are aligned along an east-west trend in the north central part of the claim area. Sampling of these zones in 1982 returned vein samples of up to: 1.09 oz/ton gold (quartz with sulfides from caved stope on No.3 level, Jones, 1983); 2.205 oz/ton gold (trench sample across parallel 5 to 15 cm. wide veins, Cabin Vein, Magrum, 1987); and, 0.875 oz/ton gold (composite sample of quartz and sulfides at portal of No.2 level, Magrum, 1987). Underground sampling of parts of the No.3 Level during 1990 returned grades ranging from trace to 0.111 oz/ton gold across drift widths of between 1.5 and 2.0 meters.

To illustrate the potential for bulk tonnage, gold deposits in the area of the subject property the following excerpts from various technical reports on adjoining mining claims (refer to figure no.3) are included.

P.A.Ronning, 1990 (p.27) describes results of extensive drilling carried out by Pacific Sentinel Resources as follows: **"Localized zones of gold mineralization occur in holes GWS-90-15, 16 and 19, but the most significant zone, and the only one with potential for bulk mining, is in GSW-90-18. There, 1.49 g. Au/tonne (0.044 oz Au/ton) occur averaged over 26 meters."** Ronning (p.28) further notes that **"With only one drill hole in to the mineralized zone, the mineralization on the Toughnut target is open along strike and down dip"**. It is important to note that this showing occurs within altered, fractured volcanics of the Else Formation situated approx. 4 kilometers west-southwest of the Hillside Claims.

In a report by South Pacific Gold Corp. a similar mineralized zone (termed Cat / Shaft showing) is described as follows: **"The maximum width of mineralization within this interval ranges to 9.44 meters, although the average is closer to 4 or 5 meters. Grades range to 0.34 oz/ton Au and average about 0.18 oz/ton Au with appreciable copper values (ranging from 0.13 to 1.86%)"**. This prospect is situated approx. 1.5 km. southeast of the Hillside claims and may also be related to a broad, northwest striking shear zone (termed the Silver King Shear) which is thought to be an important control at the Toughnut showing. This shear is developed within Else Formation volcanic rocks located roughly two km. south of the Hillside claims and parallels a northwest oriented intrusive body along its southern edge.

These new discoveries are of importance to the Hillside claims because several references have been made in literature to geologically similar zones of low grade gold mineralization (termed the Deadwood Zone) located within the claim area.

The Ministry of Mines Report for 1930 (p.268A) states as follows: **"The Deadwood Vein is being investigated as to its possibilities for a large tonnage of low grade gold ore. This deposit, explored by an old 100 foot drift - tunnel consists of a shear zone about 300 feet wide. Within these limits the rock, a calcareous member of the Rosland Volcanic Group, is highly impregnated with iron pyrites and contains numerous veins and stringers of quartz. Several engineers have sampled accessible areas of the zone with interesting results. The assay value of the material appears to vary considerably and information is not yet available as to what might be considered a fair average. The few samples taken by the writer average \$3.90 in gold but, as the showings sampled are in some cases widely separated, this figure cannot be taken to represent any definite block of ground. The results of this sampling and that done by other engineers would seem to justify careful investigation to determine if the values are confined to streaks in the zone or if there are sufficient values over large widths. Some more definite information could be obtained by crosscutting the full width of the deposit from the inner end of the old tunnel and trenching on the steep side hill above the tunnel followed by systematic sampling. As the deposit could be very cheaply worked, a comparatively small average yield in gold would be sufficient to justify work on a large scale."**

In a report dated Dec.1982, H. Jones, P.Eng. states that **"the assays of \$3.90 in gold mentioned above would be equivalent to 0.188 oz/ton gold or about \$75 per ton at the recent price of US \$400 per ounce. Fairly extensive sampling in this vicinity carried out by the writer in this vicinity has not confirmed such results, the best assay being 4.46 oz/ton silver with negligible assays for gold. It is believed that this zone was tested by one or more diamond drill holes (1944?) located about 1/2 mile southeast of the California workings but the results are not known to the writer."** In his conclusions Jones recommended that: **"further prospecting and sampling be undertaken"**.

To evaluate this zone the author collected several rock samples and supervised a preliminary geochemical survey (see Magrum, 1987). Rock samples returned gold values ranging from trace to 0.019 oz/ton and geochemical data showed several erratic high values in gold (up to 570 ppb / 0.015 oz/ton), zinc (up to 789 ppm), copper (up to 510 ppm), lead (up to 228 ppm) and silver (up to 2.4 ppm). These results are similar to geochemical results obtained by Pacific Sentinel Resources during surface exploration of the Toughnut showing (located approx. 4 kilometers west-southwest of the Hillside Claims). To date no follow-up work has been carried out to further evaluate this target area.

In summary the Hillside Claims have potential for the discovery of both high grade vein-type gold mineralization and bulk mineable, low grade gold mineralization.

In the authors opinion the California Vein is the most important of the vein-type targets primarily because previous mining suggests both vertical continuity and a good grade of mineralization. In regards to the Deadwood Zone, (low grade, bulk tonnage target) additional surface work is obviously warranted in view of recent discoveries on adjoining properties.

To evaluate the down dip potential of the California Vein System a two stage program of underground diamond drilling is recommended. The first stage will involve construction of 2 diamond drill stations and completion of a minimum of 500 meters of wide spaced diamond drilling at an estimated cost of \$87,500. If this program is carried out during summer months the supervising geologist should be able to conduct an assessment of the Deadwood Zone at nominal extra cost.

In the event that initial underground drill results indicate a significant extension of the known vein system then a second stage of drilling would be required to determine extent and grade. Provision should be made for approximately 1,000 meters of underground drilling at an estimated cost of \$130,000. In the event that additional work is justified on the Deadwood Zone an additional \$25,000 should be allowed for trenching and sampling. The estimated total cost of Stage 2 is \$155,000.

Respectfully submitted,



[Signature]
 Crvon Einstedel, B.Sc.
 Consulting Geologist

PROPOSED EXPLORATION PROGRAM

STAGE 1:

-California Mine (No.3 Level underground drilling program)

Mobilization / demob. (Note: all underground equipment presently on site)	\$ 2,500
Underground drill station(2) construction	20,000
Underground diamond drilling - 500 meters @ \$95	47,500
Supervision and Engineering	10,000

-Deadwood Zone (prospecting and sampling to be completed by supervising geologist)

Contingency	7,500
-------------	-------

Total	\$ 87,500
-------	-----------

STAGE 2:

-California Mine (No.3 Level underground drilling program)

Mobilization / demob.	\$ 7,500
Underground diamond drilling - 1,000 meters @ \$95	95,000
Supervision and Engineering	15,000

-Deadwood Zone

Surface trenching and sampling	25,000
--------------------------------	--------

Contingency	12,500
-------------	--------

Total	\$ 155,000
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SECTION 1 - PROPERTY DESCRIPTION

1.0 Description of 1990 Fieldwork

On January 13, 1990 field crews commenced snow removal on the mine access road and the No.3 Level landing and began mobilization of all required equipment. This equipment included a 600 cfm. compressor, mine locomotive, mucking machine, double drum slusher, muck cars, timber car, air drills, air receiver tanks, ventilation fans, air drills, underground diamond drill, light plant, miners hand tools, steel air pipe and related couplings, hangers etc., steel rail, mine timbers and machine fuel and lubricants.

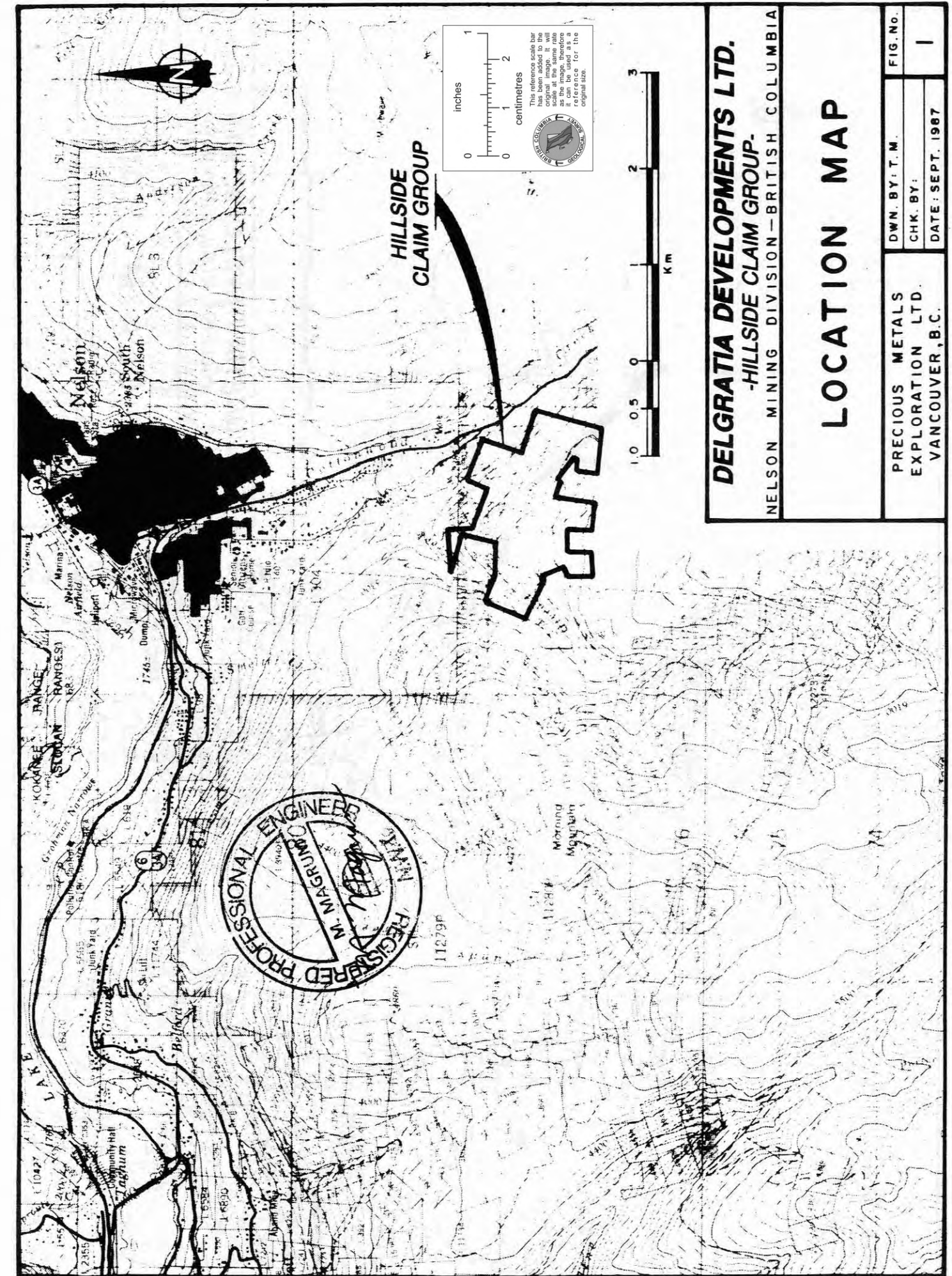
Snow removal was completed on January 21 and final equipment deliveries were completed by February 11. Underground work (installation of 6" victaulic air pipe) commenced on February 12 however as a result of the Federal Government's decision to suspend the CEE Incentive Program Del Gratia advised the contractor that no additional funding would be available to complete the proposed rehabilitation at this time. Subsequent to this notice mining personnel secured the underground workings and prepared underground equipment for storage. Hand tools and small equipment were removed from the site. The compressor, mine locomotive, mucking machine, muck cars and unused air pipe, rail and timber were left on site.

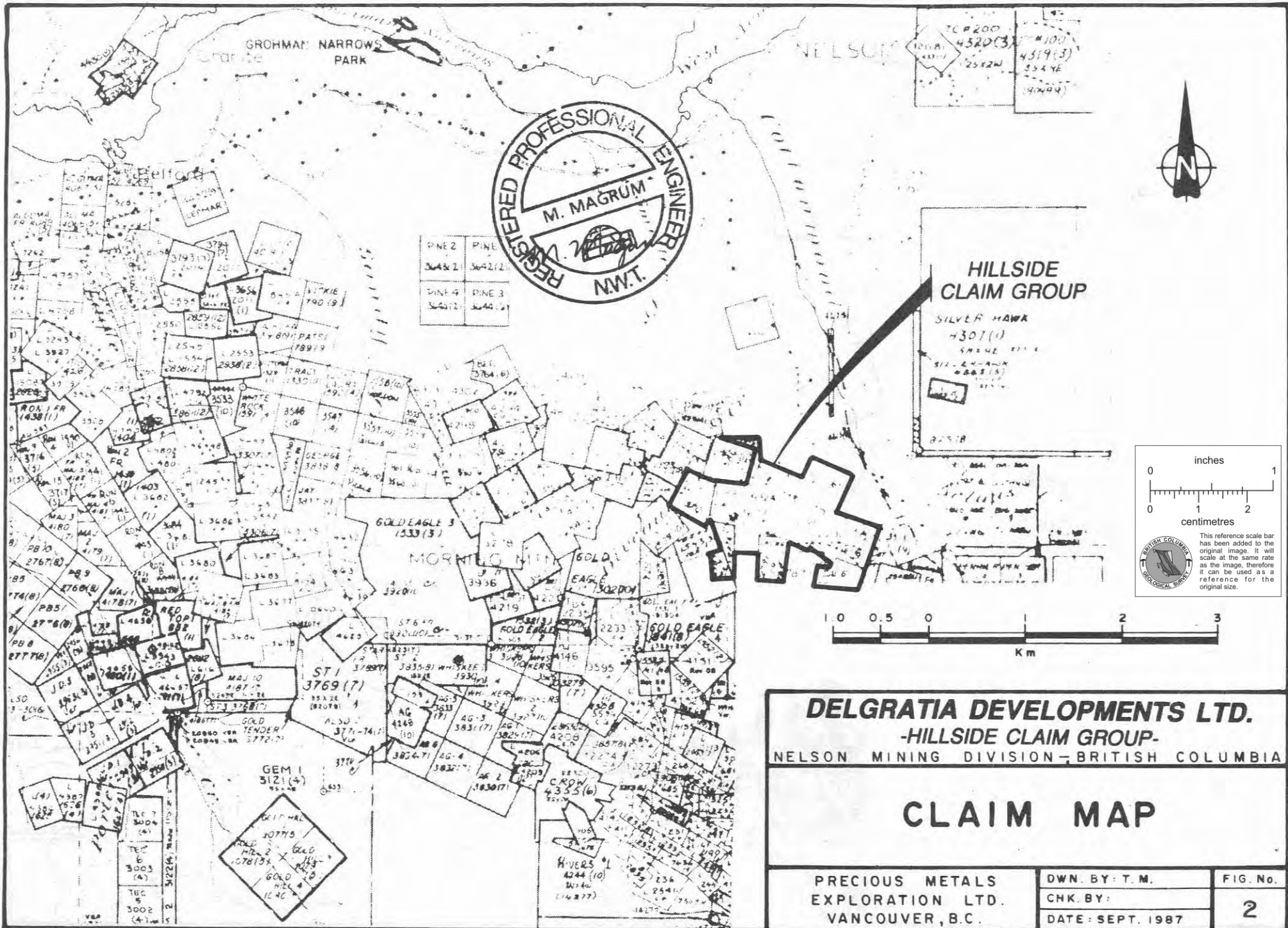
During December 1990 the Company resumed operations and carried out a program of timbering and manway construction to provide access for sampling and geological mapping and completed an underground survey to provide control for the proposed underground drilling program. As part of this program a diagrammatic, three dimensional drawing of the mine workings was prepared to illustrate the proposed target area (see figure no.6).

To evaluate exposed mineralization in accessible areas of the No.3 Level a total of 18 channel samples were collected. These samples were collected as channels or chips across the full drift width (1.5 to 2.0 meter wide) to provide information on gold distribution within fractured wallrocks. As a result of the extremely hazardous condition of the main stoped area (Stope No.301) no attempt was made to sample the principal mineralized zone on this level. It is important to note that this stope has been bypassed by an alternate drift (Drift No.3A) and does not affect access to other areas on this level. Assay results of this work are included in Appendix 1 with sample locations shown in figure no.6.

As at December 30, 1990 a total of 1,030 feet of underground rehabilitation was completed including installation 680 feet of 6" victaulic pipe. The location of this work is shown in the accompanying figure no.5.

As part of the 1990 program a comprehensive review of recent work in the area by other operators was undertaken. This included a comparative analysis of soil geochemical data from the Toughnut Showing area (Pacific Sentinel Resources) and the Deadwood Zone (Magrum, 1987).





PINE 2	PINE
3648.2	3692(2)
PINE 4	PINE 3
3692	3644(2)



CP 200	4520(3)	4100
101-A	25424	4319(3)
		3544E
		(4794)

HILLSIDE CLAIM GROUP

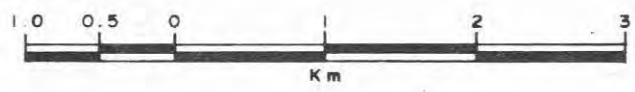
SILVER HAWK
4307(1)
SILVER HAWK
SILVER HAWK
SILVER HAWK



0 1
inches

0 1 2
centimetres

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DELGRATIA DEVELOPMENTS LTD.
-HILLSIDE CLAIM GROUP-
NELSON MINING DIVISION - BRITISH COLUMBIA

CLAIM MAP

PRECIOUS METALS
EXPLORATION LTD.
VANCOUVER, B.C.

DWN. BY: T.M.
CHK. BY:
DATE: SEPT. 1987

FIG. No.
2

1.1 Location, Access, Ownership

The California claim group is located in the Bonnington Range of the Selkirk Mountains 4 km. south of the city of Nelson in the West Kootenay District of southeastern, British Columbia. The claims lie on the heavily timbered eastern slope of Toad Mountain between 3300 - 4000 feet elevation. Access is good via a network of two and four-wheel drive roads from Nelson, which is serviced by regularly scheduled aircraft at Castlegar as well as charter aircraft and helicopter service at Nelson. Good highways connect Nelson to Vancouver, Calgary, and Spokane. All necessary infrastructure for a successful exploration and mining operation at the California are readily at hand, including easily accessible power and labour supplies. One of several existing mills within a 30 mile radius is currently being reactivated and could potentially be available for custom milling operations.

Claim title is recorded in the Nelson Mining Division on Mineral Title Reference Map No. 82F6E (see figure no.s 1 and 2) as follows:

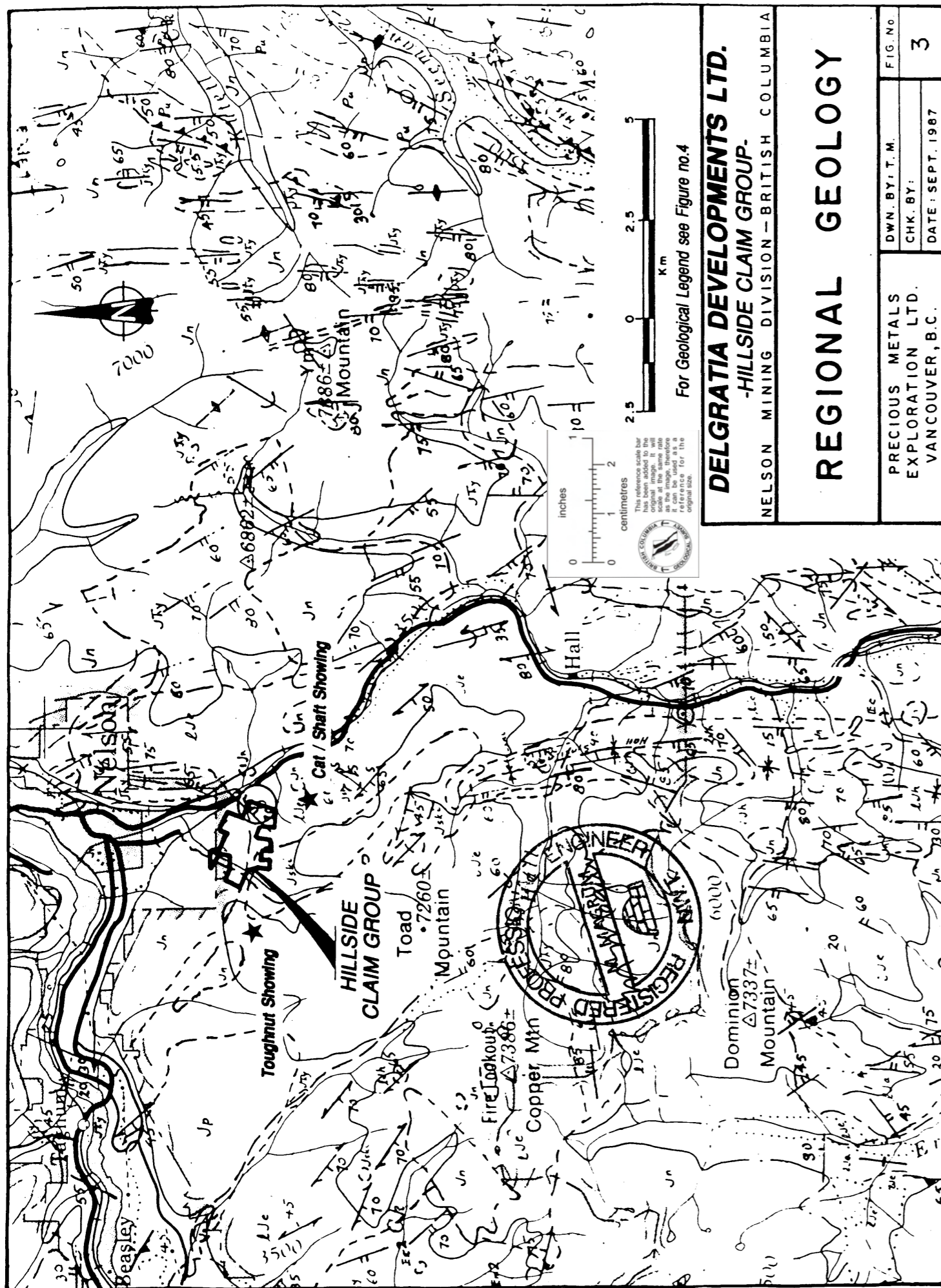
<u>Claim Name</u>	<u>Lot No.</u>	<u>Status / Ownership</u>
California	1677	All crown grants and reverted crown grants owned by R. Palmer. Taxes paid 1988.
Union	8324	
Cliff Fr.	15029	
Deadwood	2232	
Hillside	2238	
Exchequer	391	
Cleopatra	387	* reverted crown grant expires - Mar 28/92

<u>Claim Name</u>	<u>Record No.</u>	<u>Expiry</u>	<u>Ownership</u>
Cal 3	2789 (9)	Sep 28/92	R. Palmer
Cal 4	2790 (9)	Sep 28/92	R. Palmer
Cal 5	2791 (9)	Sep 28/92	R. Palmer
Cal 6	2792 (9)	Sep 28/92	R. Palmer
Cal 8	2846 (10)	Sep 28/92	R. Palmer

1.2 Property History

Since 1897 the property has been variously held and worked under a number of lease and bond arrangements, however most operators have been unable or unwilling to undertake a systematic exploration programme of the property. The annual reports of the British Columbia Department of Mines between 1897 - 1947 describe the early operations on the property.

In 1934 Widdendon and Company left a record of underground sampling (refer to figure no. 5; Longitudinal Section of the California Mine Area) which indicates an ore block 91 meters long grading 0.85 ounces per ton gold over approximately 1 meter width remaining on the west end of No. 3 level. This ore block abuts a claim line (California/Exchequer) and local prospectors suggest it wasn't mined because of property and boundary disputes. Jones (1982) calculated a tonnage potential for this zone of roughly 40,000 tons above the No. 3 level. Recent work has provided access to this part of the California Mine and assay data suggests that sampling by Widdendon and Co. may have been somewhat "optimistic". Available data does however confirm that gold mineralization occurs along a strike length of over 100 meters on this level.



In 1941 the Provincial government conducted a gold mine leasing experiment on the California which involved shipping of 75 tons of hand-sorted ore from areas above No. 1 level. Published records indicate that this shipment averaged 2.10 oz./ton gold. The property was subsequently purchased by Sheep Creek Gold Mines in 1944 who leased the property to various parties, and eventually relinquished title.

In 1982 New Tye Resources carried out a programme of surveying, mapping, and sampling on the property. Mr. H Jones recommended that the No.3 Level drift be rehabilitated to provide access for sampling and drilling.

In 1987, Christina Explorations optioned the property, sampled accessible parts of existing underground workings and commenced rehabilitation of the No.3 Level drift of the California Vein. Results are included in a report by M. Magrum dated November 20, 1987. During 1988 Christina constructed a new drift to bypass a badly caved stoped section and provide access to the remaining part of the No.3 Level. On completion of this work the Company abandoned the property and no further work was carried out until 1990.

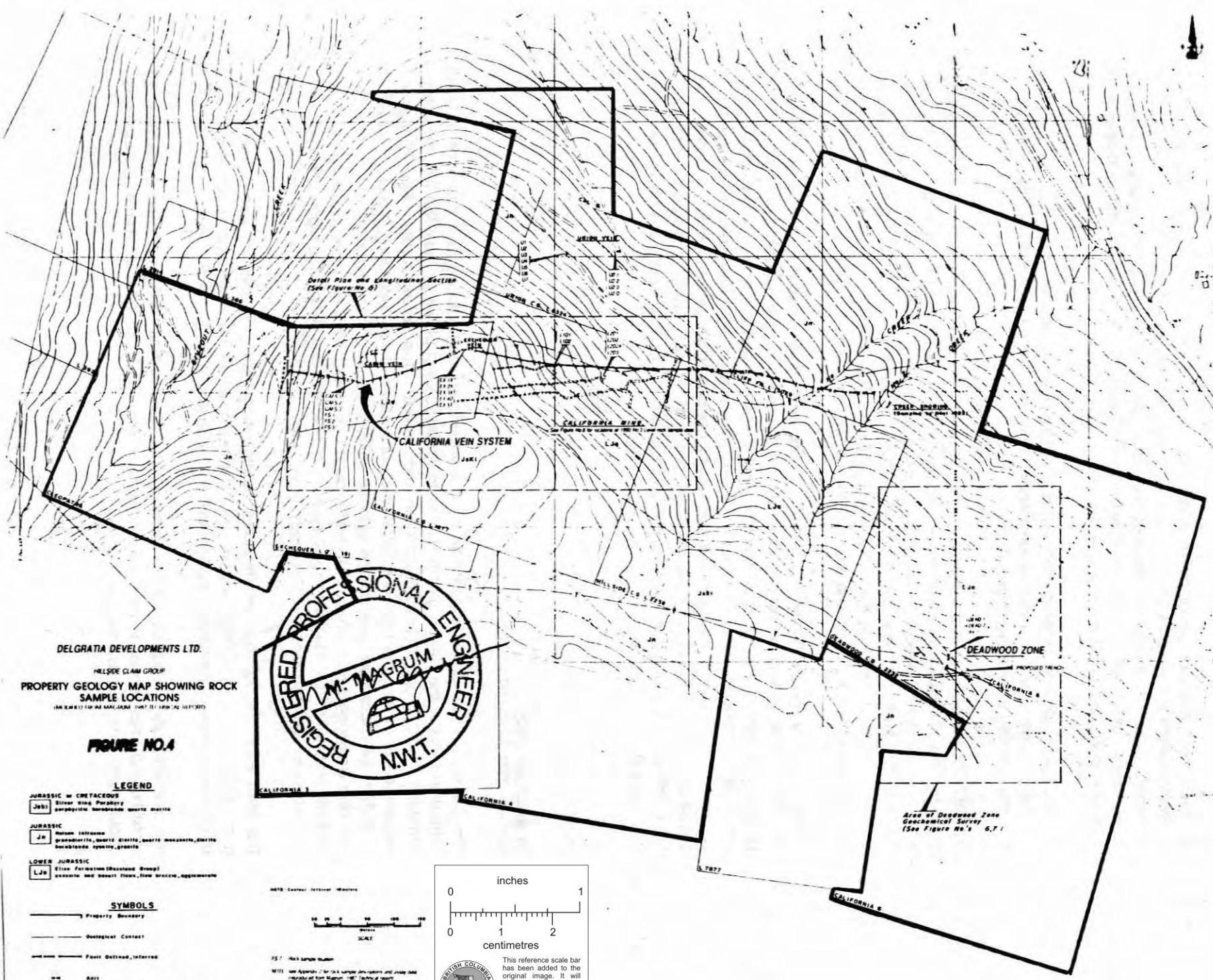
During the late 1980's Pacific Sentinel Resources and others carried out extensive surface exploration and drilling of various prospects in the area of the Hillside Claim Group. Of particular interest were soil geochemical results which identified several prospective areas within Else Formation volcanics. One of the most significant of these areas is the Toughnut Showing. Geochemical data showed co-incident copper - gold geochemical anomalies (gold values of over 40 ppb and copper values greater than 100 ppm were considered anomalous). Later drilling of this anomaly resulted in the discovery of a mineralized zone 26 meters wide averaging 0.044 oz/ton gold.

1.3 **Regional Geology**
 (please refer to figure no. 3)

The California claim group is underlain by a west striking, south dipping roof pendant of Else Formation rocks in the Nelson granitic batholith, intruded by a phase of the Silver King porphyry intrusion. (GSC map 1571 A, Bonnington map area). The Lower Jurassic Else Formation represents all of the predominantly volcanic succession of the Rosland Group. "Rosland volcanics are a complex assemblage of basic volcanic rocks and pyroclastics. Bands of slate, tuff, and limestone occur. Augite andesite, augite porphyry, hornblende andesite and augite-feldspar-porphyrity are the main rock types. In places these rocks are highly sheared and converted to chloritid schists." (Cockfield; G.S.C. Mem. 191)

The Silver King porphyry, (hornblende quartz diorite-syenite) is an irregular intrusion widest in the north, narrowest in its central region, and splitting towards the south into a relatively wide stock, and numerous porphyry tongues near the Silver King mine.

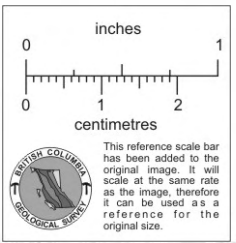
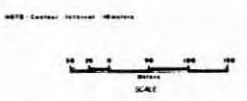
The California and Deadwood showings occur in a wide unit of strongly foliated pyrite sericite schist having small lenses and cross-fractures filled with quartz, limonite, sphalerite, galena, and chalcopyrite. (Minfile 082FSW169).



DELGRATIA DEVELOPMENTS LTD.
 HILLSIDE CLAIM GROUP
 PROPERTY GEOLOGY MAP SHOWING ROCK
 SAMPLE LOCATIONS
 (M.S. 48612) (P. 48) (M.S. 48612) (M.S. 48612) (M.S. 48612)

FIGURE NO. 4

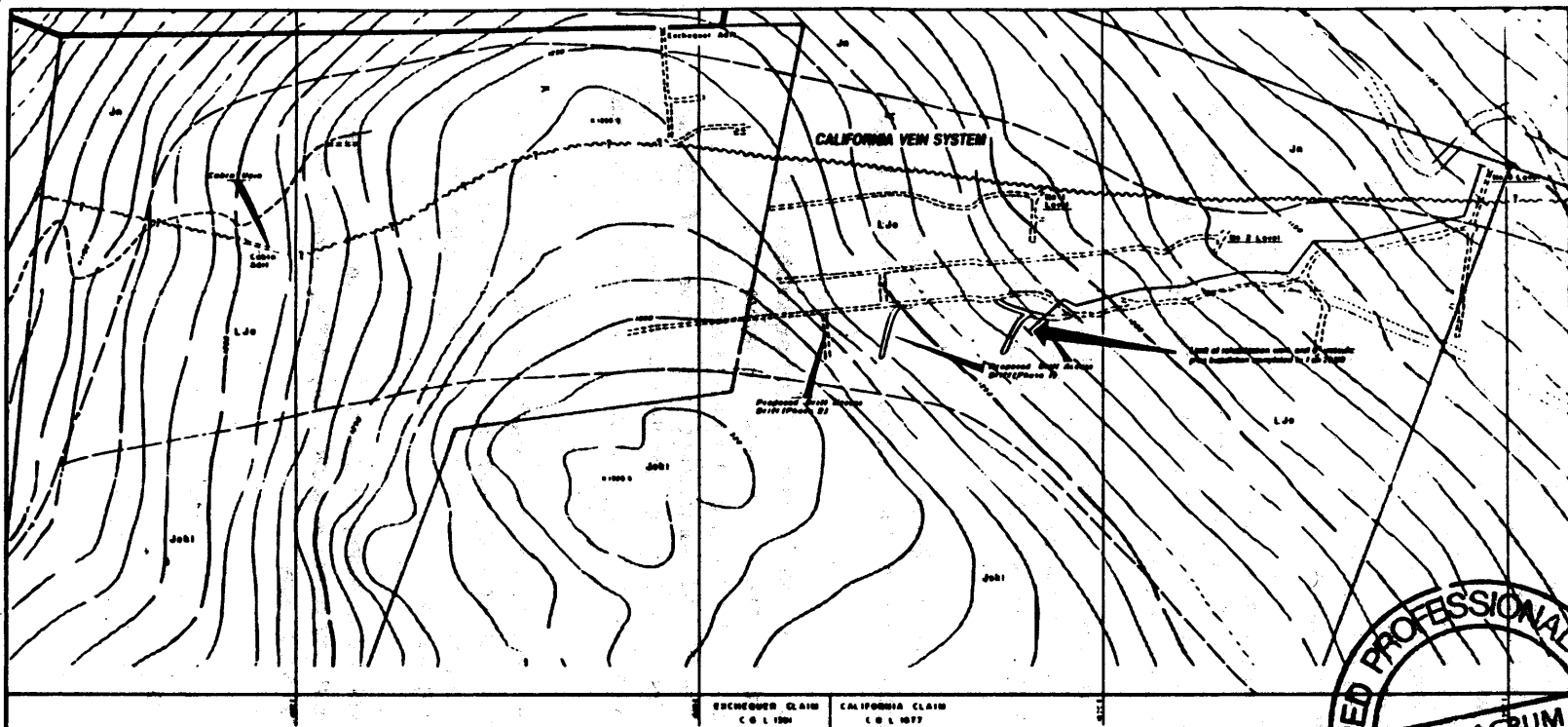
- LEGEND**
- JURASSIC or CRETACEOUS**
 (Jsk) Silver Shale, Paragneiss, serophyllite, hornblende, quartz, mica, etc.
- JURASSIC**
 (Jn) Hornblende, quartz, diorite, quartz, monzonite, diorite, hornblende, quartz, granite.
- LOWER JURASSIC**
 (Lde) Elze Formation (Deadwood Group), andesite and basalt flows, flow breccia, agglomerate.
- SYMBOLS**
- Property Boundary
- Geological Contact
- Fault Defined, Inferred
- Aest
- Surface Trace of Underground Workings



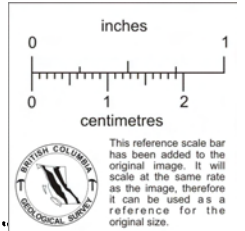
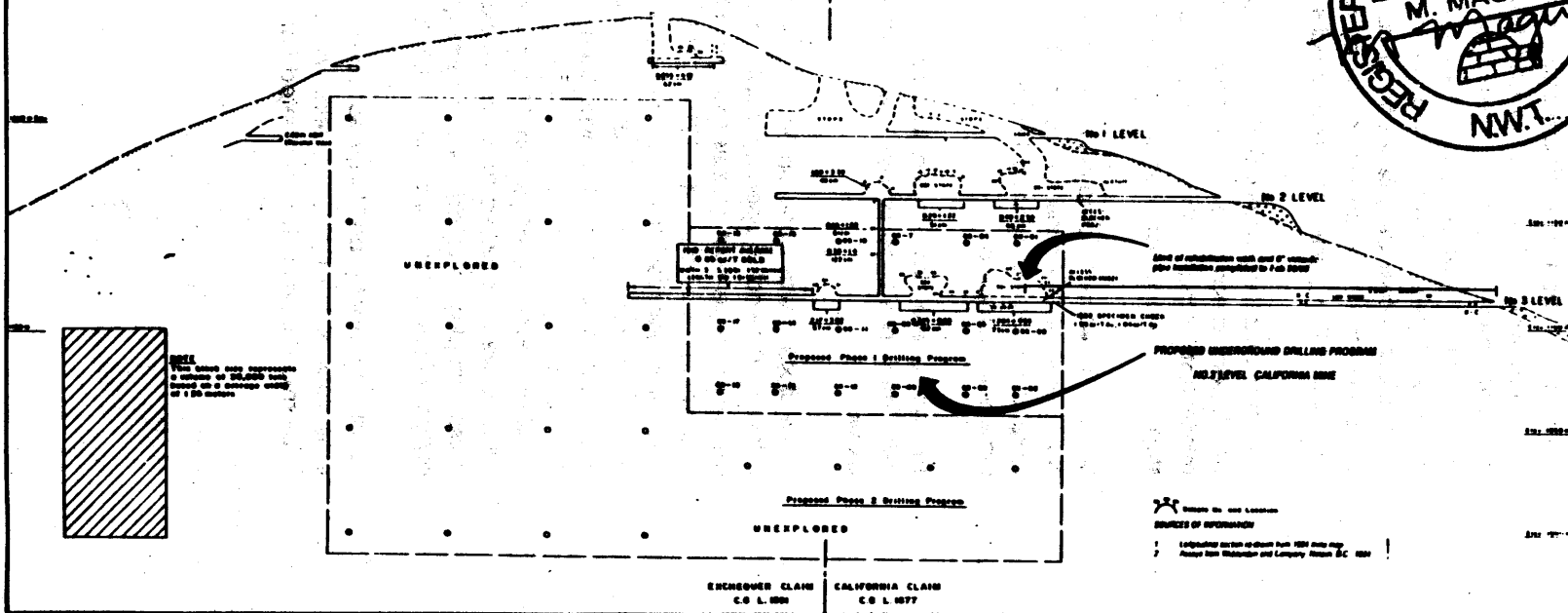
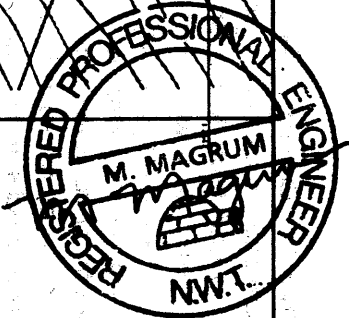
MS 7: Rock sample location

MS 11: See Appendix 1 for 1:1 scale sample locations and study area (scale of 1:100,000) (M.S. 48612) (M.S. 48612)





- LEGEND**
- BOUNDARY** at 1:50,000 Scale
 [Job] Silver King Property
 porphyritic brecciated quartz diorite
- BOUNDARY**
 [JA] Section boundary
 gneiss, quartz diorite, quartz monzonite, diorite
 brecciated quartzite, granite
- BOUNDARY**
 [LJo] Strike formation (brecciated quartzite)
 section and section from 1:50,000 scale
- SYMBOLS**
 [---] Property boundary
 [---] Geological contact
 [---] Fault defined, inferred
 [---] 50' contour
 [---] Surface Top of underground passage



DELGRATA DEVELOPMENTS LTD.

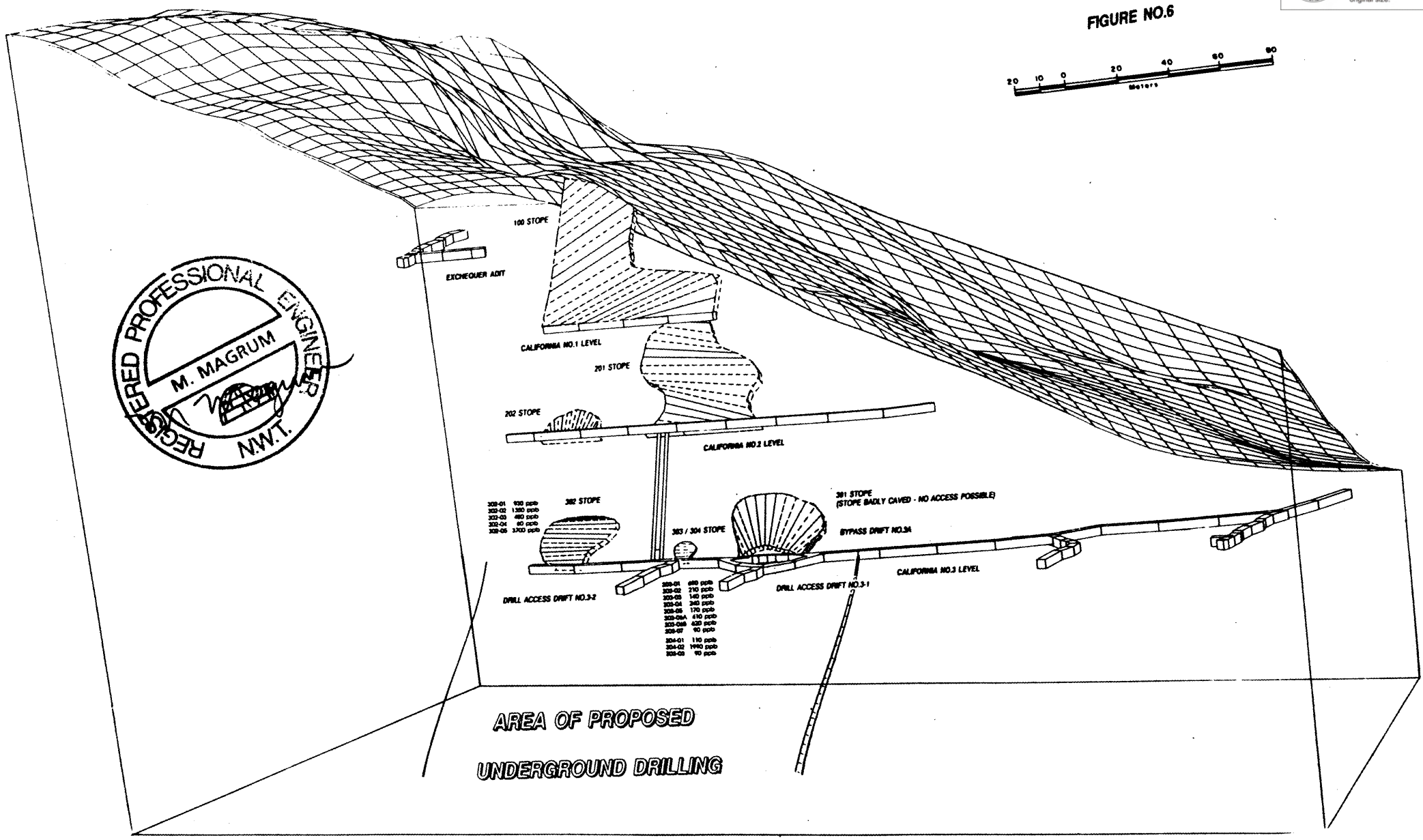
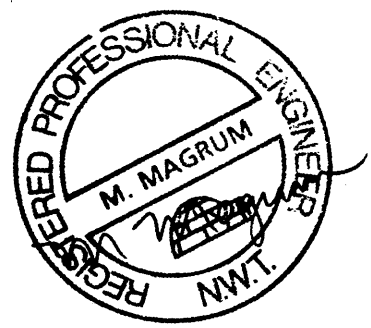
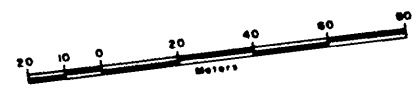
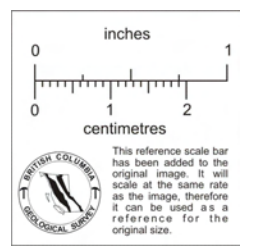
MINER CLAIM GROUP

**PLAN VIEW AND LONGITUDINAL SECTION
 CALIFORNIA MINE AREA**

FIGURE NO. 5

DELGRATIA DEVELOPMENTS LTD.
 HILL SIDE CLAIM GROUP
 DIAGRAMMATIC 3D VIEW OF CALIFORNIA
 MINE WORKINGS
 (LOOKING NORTH)

FIGURE NO.6



- 302-01 900 pps
- 302-02 1300 pps
- 302-03 400 pps
- 302-04 80 pps
- 302-05 3700 pps

- 303-01 600 pps
- 303-02 710 pps
- 303-03 340 pps
- 303-04 240 pps
- 303-05 170 pps
- 303-06A 610 pps
- 303-06B 620 pps
- 303-07 10 pps
- 304-01 110 pps
- 304-02 1900 pps
- 304-03 10 pps

As at December 30, 1990 the No.3 Level has been rehabilitated complete with air service to approximately 1000' from the access portal. Construction of 2 drill stations will be required to provide access to locations suitable for drill testing the California Vein.

The Union vein, which lies to the north of the California vein in granitic rocks of the Nelson Batholith, appears to be a tension feature with a gentle, (15 °) dip toward the volcanic contact. The vein here is 0.30 to 0.80 meters wide with white quartz and erratic pyrite and sphalerite mineralization similar to that of the California vein. The Union stope area has returned assays up to 0.38 ounces of gold and 6.5 ounces of silver per ton over a 0.30 meter width and is regarded as a good exploration target towards the volcanic contact (approx 170 meters distant) and towards its possible intersection with the California vein.

The Deadwood zone, which outcrops to the southeast of the California, is a wide zone of pyritized tuffaceous rocks reportedly containing erratic gold values. Mapping shows that the zone is approximately 75 metres wide and consists of carbonate altered volcanics highly impregnated with pyrite and numerous small veins and stringers of quartz. This style of mineralization has potential for large tonnage, low grade deposits and warrants additional geological study.

Data from the geochemical survey carried out in 1987 identified numerous sites which exhibit elevated gold and copper values (up to 570 ppb Au and 510 ppm Cu). These results are similar to results obtained by Pacific Sentinel in the area of the Toughnut Showing and are considered significant. To date no follow-up work has been carried out to assess these anomalies and it is recommended that additional prospecting and sampling be completed. For reference purposes gold and copper geochemical plans and assay data for the 1987 Deadwood Zone survey are included in Appendix 3.

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The following maps and publications were used in the preparation of this report.

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5. 1941 - B.C. Government, "Gold Mine Leasing Experiment". Open file report attributed to R. J. Maconachie, M.E.
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7. Magrum, M., 1987, Summary Report and Proposed Exploration Program on the Clafornia Claim Group. Christina Explorations Ltd. corporate files.
8. South Pacific Gold Corporation. Prospectus dated June 28, 1988. (pp.7 to 13). Vancouver Stock Exchange.
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CERTIFICATE

I, Michael Magrum of the City of Yellowknife in the Northwest Territories, certify that:

1. My address is Box 2045, Yellowknife, NWT, Canada, X1A 2N3, and that my occupation is that of a Geological Engineer.
2. I am a graduate of the University of Alaska in Geological Engineering, 1976, with a degree of BSc.
3. I have been a practicing engineer since 1976 and I am a member in good standing of the Association of Professional Engineers, Geologists and Geophysicists of the Northwest Territories.
4. This report is based on results of several field examinations made during 1987, 1988 and 1990, an examination of previous operators technical data and on results of geological mapping and geochemical sampling carried out under my supervision.
5. I have no interest either directly or indirectly in the properties or securities of Delgratta Developments Ltd.
6. I consent to the use of this report in a Prospectus, Statement of Material Facts or Qualifying Report for submittal to the Superintendent of Brokers or the Vancouver Stock Exchange.

Dated this 6th day of February 1991 at Yellowknife, N.W.T., Canada.

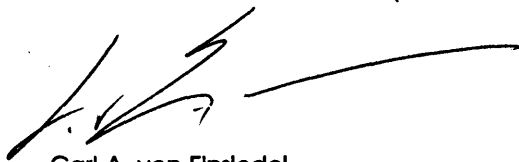


CERTIFICATE

I, Carl A. von Einsledel, of the City of Vancouver in the Province of British Columbia, hereby certify that:

1. My address is P.O. Box 65, Trout Lake, British Columbia, Canada, V0G-1R0 and that my occupation is that of a Consulting Geologist.
2. I am a graduate of Carleton University in Ontario in Geological Sciences with a degree of Bachelor of Science.
3. I have been employed in the mineral exploration industry continuously since 1980.
4. This report is based on a review of all previous operators technical data regarding the subject property, several personal examinations of the subject property and on results of geological mapping and sampling carried out under my supervision.
5. I have no interest direct or indirect in the property described in this report or in the shares of Delgratia Developments Ltd.
6. I consent to the use of this report in a Prospectus, Statement of Material Facts or Qualifying Report for submittal to the Superintendent of Brokers of the Vancouver Stock Exchange.

Dated this 6th day of February, 1991 at Vancouver, British Columbia.



Carl A. von Einsledel
Consulting Geologist

APPENDIX 1 - Rock sample descriptions and assay results (1990: No.3 Level)

REPORT NUMBER: 910006 GA

JOB NUMBER: 910006

RAM EXPLORATION

PAGE 1 OF 1

SAMPLE #	Lu
	ppb
GRAB 01	560
GRAB 02	110
302 - 01	930
302 - 02	1350
302 - 03	400
302 - 04	60
302 - 05	3700
303 - 01	690
303 - 02	210
303 - 03	140
303 - 04	240
303 - 05	170
303 - 06A	410
303 - 06B	620
303 - 07	90
304 - 01	110
304 - 02	1990
304 - 03	90

DETECTION LIMIT

5

nd = none detected

-- = not analysed

ls = insufficient sample

APPENDIX 2 - Rock sample descriptions and assay results (1987: Hillside claims)

CALIFORNIA PROJECT

Rock Sample Descriptions

Sample I.D.	Gold oz./ton	Description
Location: Exchequer Adit		
Ex-1X	0.005	grab sample from 20cm wide, banded quartz vein in 1.5 - 2.0 meter wide sheared zone; minor / 3% sulfides.
Ex-2x	tr	grab sample of fractured, stained wall rock in footwall of sample: Ex-1x location, quartz / siliceous material contains minor, fine grained, banded and disseminated sulfides.
Ex-3x	tr	grab sample of smokey, barren quartz from stoped area above crosscut (Ex-1X); nil sulfide.
Ex-4d	1.563	grab sample of well mineralized quartz vein material on dump at portal of crosscut; sulfides (galena, sphalerite, pyrite) occur as fine grained bands and as coarse patches in massive, coarsely crystalline, white quartz.
Ex-5T	0.176	grab sample of mixed quartz and stained wall rock at top of stope; sulfides occur as in sample: Ex-4d.
Location: Cabin Adit		
CAFS-1	2.205	grab sample of well mineralized quartz from narrow, parallel veins (5 to 15cm wide); Note: minor visible gold in addition to banded, fine grained sulfides.
CAFS-2	2.131	channel sample across parallel, well mineralized quartz veins (5 to 15cm wide); quartz is white, coarsely crystalline; sulfides (pyrite, sphalerite, chalco pyrite, and possible tetrahedrite are fine to medium grained in narrow (1 to 5 mm wide) bands and as patches or disseminated grains.
CAFS-3	7.669	grab composite of quartz from dump at portal; quartz and sulfides occur as above.

Sample I.D.	Gold oz./ton	Description
FS-1	0.484	channel sample across two veins in 0.75 meter wide fractured zone.
FS-2	0.262	channel sample; 2.5m from FS-1; width - 1.00 meter.
FS-3	0.771	channel sample; 2.5m from FS-2; width - 1.00 meter.
Location: California No. 1 Level		
L1D1	0.776	grab from dump at portal; coarsely crystalline white quartz with banded and massive sulfides; Note: some bands up to several cm wide consist of coarse pyrite, chalcopyrite, shalerite disseminated throughout quartz gangue.
L1D2	0.171	grab sample same location as sample: L1D1.
Location: California No. 2 Level		
L2D1	0.875	grab sample from dump at portal; mixed decomposed, stained wall rock (volcanic) and banded quartz containing minor sulfides; sulfide material heavily oxidized.
L2D2	0.938	grab sample from same location as sample: L2D1.
L2D2A	0.026	grab sample from loading bin; quartz with banded sulfides.
L2D3	0.684	grab sample from same location as sample: L2D1.
Location: Union No. 1 Adit (This drift explores a 0.5 to 0.75 meter wide, flat lying quartz vein containing narrow bands and irregular patches of fine to coarse sulfides.)		
U1	0.012	grab sample of mineralized quartz; contains approx 10% pyrite, galena and sphalerite.

Sample I.D.	Gold oz./ton	Description
U2	0.112	grab sample of mineralized quartz; same location as sample: U1.
U3	0.012	channel sample across 0.50 meter width of coarsely crystalline white quartz; approx 7-10% sulfides.
U4	0.012	channel sample across 0.50 meter width of coarsely crystalline white quartz; approx 7-10% sulfides.
U5	0.008	channel sample across 0.50 meters; location 2.5 meters from sample: U3.
U6	0.088	channel sample across 0.75 meters; location
U7	0.005	channel sample across 0.75 meters; location 2.0 meters from sample: U6.

Location: Union No. 2 Adit

(This occurrence is a parallel vein to that developed in the Union No. 1 adit; up to 1.5 meters in width and contains abundant 5-15% sulfides.)

U2-1	0.131	channel sample across 0.55 meters at face; quartz and fractured, stained wall rock (granodiorite); quartz contains irregular bands and patches of pyrite, galena and sphalerite.
U2-2	0.053	channel sample across 0.45 meters; same location as sample: U2-1.
U2-3	tr	channel sample across 0.60 meters quartz and fractured wall rocks; located 2.5 meters from sample: U2-1.
U2-D	0.012	grab sample from dump at portal; consists of smokey, coarsely crystalline quartz containing disseminated and massive streaks of pyrite, arseno-pyrite, galena and trace sphalerite; abundant limonitic staining.
DDH (83-1/50m)	tr	split core - stored in Union No. 2 Level. (Assay tag 98-201-2 - see 1983 engineering report): 0.65 meter core length of quartz with bands of pyrite, galena (granodiorite host rock).
DDH (83-2/191m)	tr	split core; minor pyrite in 10cm wide quartz vein in granodiorite.

Sample I.D.	Gold oz./ton	Description
Location: California - (trenching on west extension of No. 1 Level vein).		
TR-CA1	0.023	grab sample of decomposed, vuggy quartz; minor banded sulfide; volcanic wall rocks.
Location: Deadwood Occurrence (Adit)		
(This prospect is a broad, north trending heavily stained, fracture zone in volcanics; quartz stringers, sericitic alteration and pyritization are ubiquitous).		
DEAD-1	0.019	channel sample across siliceous pyritic band 1.5 meters wide.
DEAD-2	tr	grab sample of vuggy, coarsely crystalline quartz; disseminated pyrite.
AV-1	tr	grab sample of altered andesite with disseminated and banded sulfides (pyrite).



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(604) 251-5656

REPORT NUMBER: 871094 AA

JOB NUMBER: 871094

P.M. Explorations Ltd.

PAGE 1 OF 2

SAMPLE #	Au oz/st
CA-FS-1	2.205
CA-FS-2	2.131
CA-FS-3	7.669
CAL-3	.007
AV-1	<.005
DEAD-1	.019
DEAD-2	<.005
DEAD-DUMP	<.005
DDA-83-1	<.005
DDH-83-2	<.005
EX-DUMP	.079
EX-ST	.176
EX-1X	.005
EX-2X	<.005
EX-3XS	<.005
EX-4D	1.563
FS-1	.484
FS-3	.771
FS-S	.262
LI-D1	.766

DETECTION LIMIT

.005

1 Troy oz/short ton = 34.28 ppm

1 ppm = 0.0001%

ppm = parts per million

< = less than

signed: _____



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REPORT NUMBER: 871094 AA

JOB NUMBER: 871094

P.M. Explorations Ltd.

PAGE 2 OF 2

SAMPLE #	Au oz/st
LI-D2	.171
LI-D2A	.026
L2-D1	.875
L2-D2	.938
L2-D3	.684
TR-CA-1	.023
TR-2	.174
V1	.012
V2	.112
V3-V4	.012
V5	.008
V6	.088
V7	.005
V2-D	.012
V2-1	.131
V2-2	.053
V2-3	.005
CA-TR-4	.019
CA-TR-5	.044

DETECTION LIMIT

1 Troy oz/short ton = 34.28 ppm

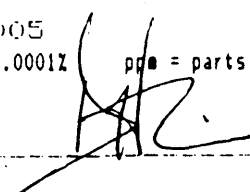
.005

1 ppm = 0.0001%

ppm = parts per million

< = less than

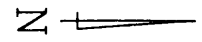
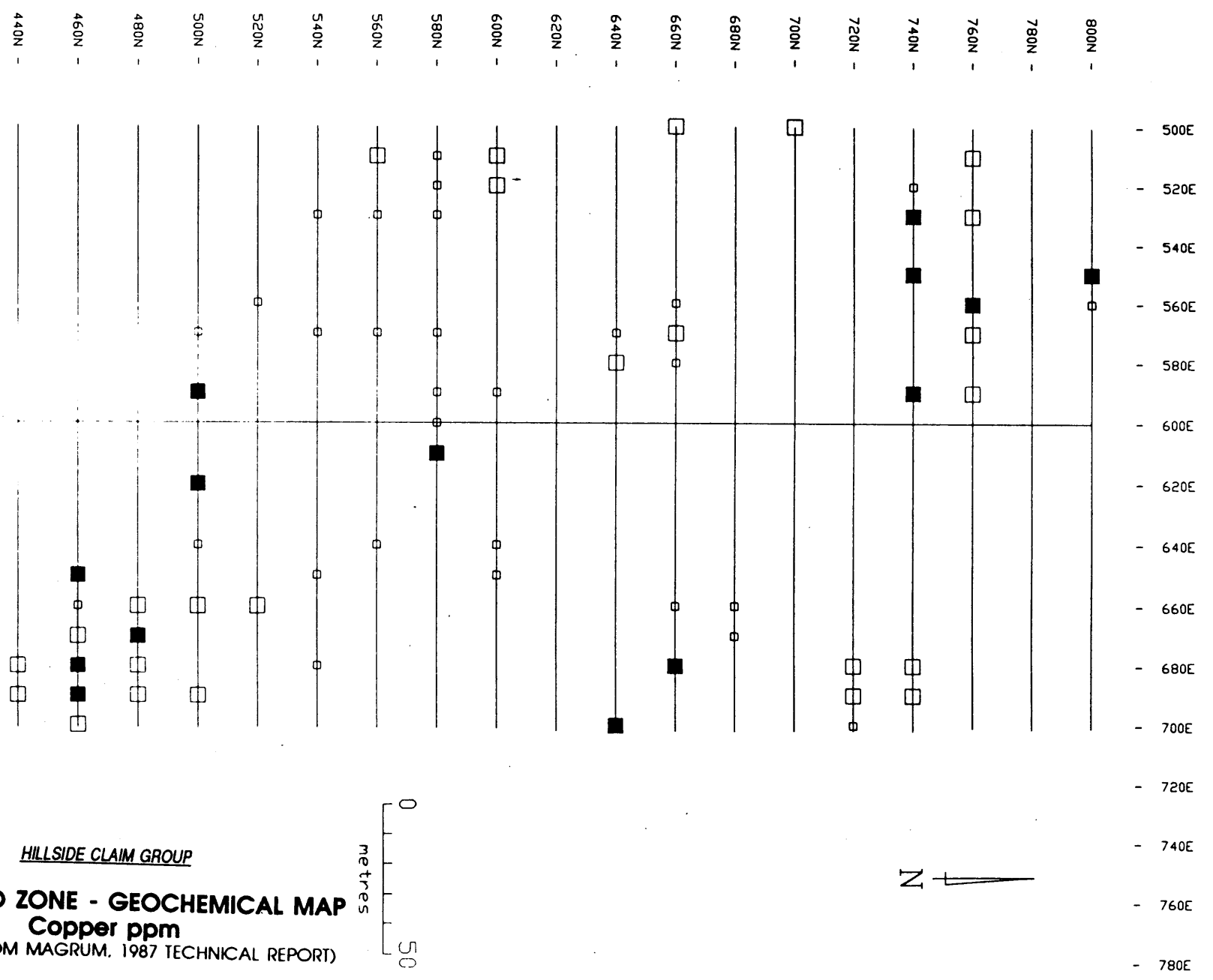
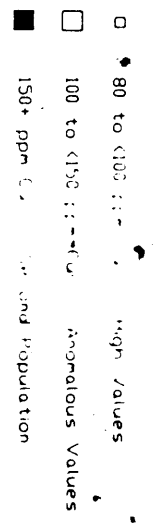
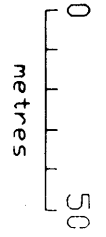
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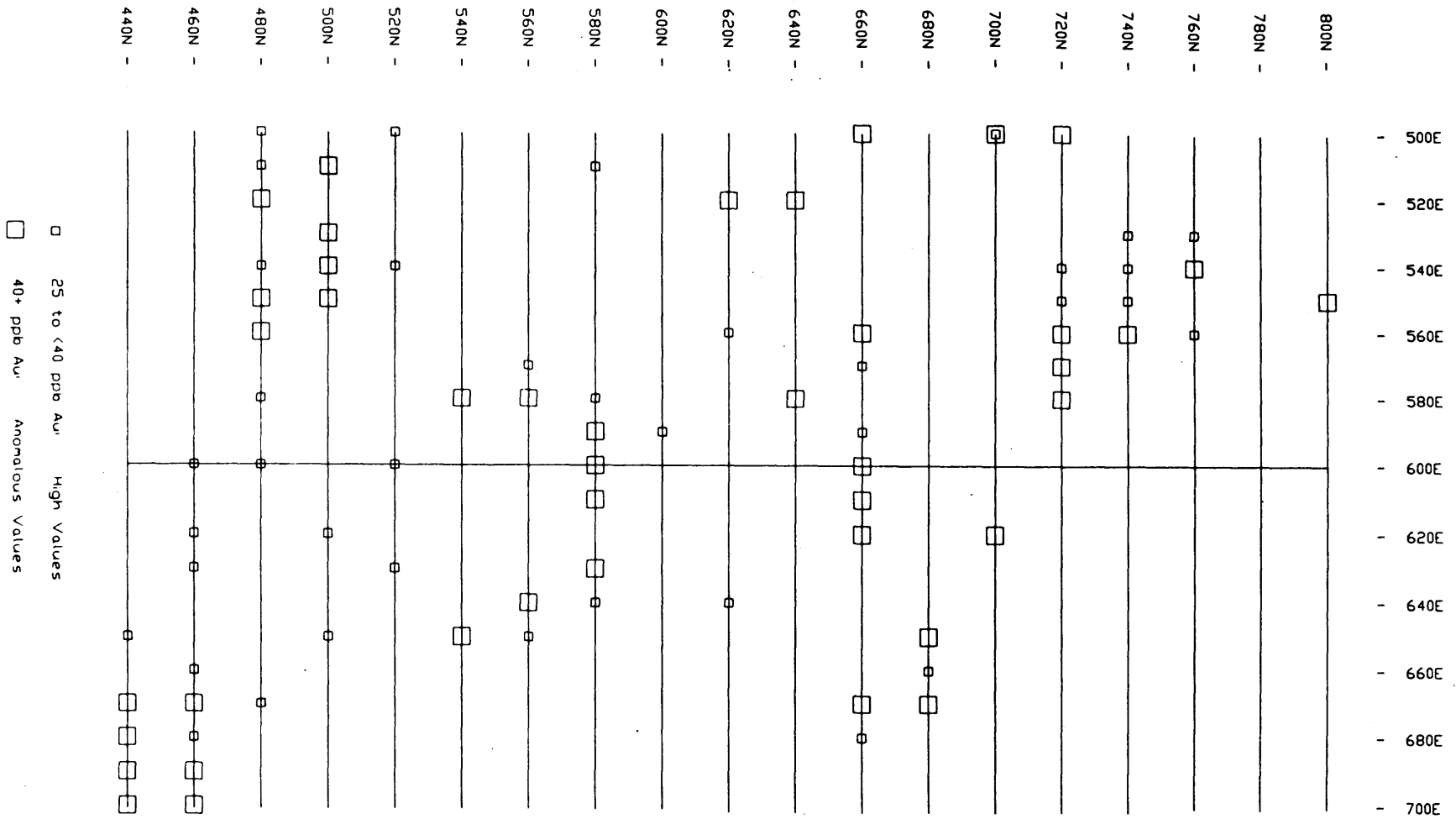


APPENDIX 3 -

Deadwood Zone geochemistry plans for gold and copper
(adapted from technical report by M. Magrum, 1987)

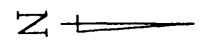
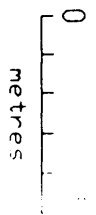
HILLSIDE CLAIM GROUP
DEADWOOD ZONE - GEOCHEMICAL MAP
Copper ppm
(MODIFIED FROM MAGRUM, 1987 TECHNICAL REPORT)





HILLSIDE CLAIM GROUP

DEADWOOD ZONE - GEOCHEMICAL MAP
Gold ppb
 (MODIFIED FROM MAGRUM, 1987 TECHNICAL REPORT)



500E
 520E
 540E
 560E
 580E
 600E
 620E
 640E
 660E
 680E
 700E
 720E
 740E
 760E
 780E

800N
 780N
 760N
 740N
 720N
 700N
 680N
 660N
 640N
 620N
 600N
 580N
 560N
 540N
 520N
 500N
 480N
 460N
 440N

□ 25 to <40 ppb Au
 □ 40+ ppb Au
 High Values
 Anomalous Values



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JOB NUMBER: 871113

P.M. EXPLORATIONS

PAGE 1 OF 12

SAMPLE # Au
ppb

L 4+40N	6+00.0E	20
L 4+40N	6+50.0E	30
L 4+40N	6+60.0E	15
L 4+40N	6+70.0E	90
L 4+40N	6+80.0E	40
L 4+40N	6+90.0E	40
L 4+40N	7+00.0E	45
L 4+60N	6+00.0E	25
L 4+60N	6+20.0E	35
L 4+60N	6+30.0E	30
L 4+60N	6+40.0E	10
L 4+60N	6+50.0E	10
L 4+60N	6+60.0E	30
L 4+60N	6+70.0E	100
L 4+60N	6+80.0E	35
L 4+60N	6+90.0E	55
L 4+60N	7+00.0E	50
L 4+80N	5+00.0E	35
L 4+80N	5+10.0E	30
L 4+80N	5+20.0E	50
L 4+80N	5+30.0E	20
L 4+80N	5+40.0E	35
L 4+80N	5+50.0E	40
L 4+80N	5+60.0E	40
L 4+80N	5+80.0E	25
L 4+80N	5+90.0E	20
L 4+80N	6+00.0E	25

DETECTION LIMIT 5

nd = none detected

-- = not analysed

is = insufficient sample



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REPORT NUMBER: 871113 6A

JOB NUMBER: 871113

P.M. EXPLORATIONS

PAGE 2 OF 12

SAMPLE #		Au ppb
L 4+80N	6+10.0E	nd
L 4+80N	6+20.0E	5
L 4+80N	6+30.0E	20
L 4+80N	6+40.0E	5
L 4+80N	6+50.0E	10
L 4+80N	6+60.0E	15
L 4+80N	6+70.0E	25
L 4+80N	6+80.0E	5
L 4+80N	6+90.0E	20
L 4+80N	7+00.0E	nd
L 5+00N	5+00.0E	10
L 5+00N	5+10.0E	40
L 5+00N	5+20.0E	5
L 5+00N	5+30.0E	60
L 5+00N	5+40.0E	80
L 5+00N	5+50.0E	45
L 5+00N	5+60.0E	20
L 5+00N	5+70.0E	10
L 5+00N	5+80.0E	5
L 5+00N	5+90.0E	40
L 5+00N	6+00.0E	nd
L 5+00N	6+10.0E	nd
L 5+00N	6+20.0E	35
L 5+00N	6+30.0E	10
L 5+00N	6+40.0E	20
L 5+00N	6+50.0E	30
L 5+00N	6+60.0E	15
L 5+00N	6+70.0E	5
L 5+00N	6+80.0E	5
L 5+00N	6+90.0E	15
L 5+20N	5+00.0E	25
L 5+20N	5+10.0E	20
L 5+20N	5+20.0E	5
L 5+20N	5+30.0E	5
L 5+20N	5+40.0EA	5
L 5+20N	5+40.0EB	30
L 5+20N	5+50.0E	5
L 5+20N	5+60.0E	10
L 5+20N	5+70.0E	5

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample



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REPORT NUMBER: 871113 GA

JOB NUMBER: 871113

P.M. EXPLORATIONS

PAGE 3 OF 12

SAMPLE #		Au ppb
L 5+20N	5+80.0E	5
L 5+20N	5+90.0E	10
L 5+20N	6+00.0E	25
L 5+20N	6+10.0E	10
L 5+20N	6+20.0E	10
L 5+20N	6+30.0E	30
L 5+20N	6+50.0E	15
L 5+20N	6+60.0E	10
L 5+20N	6+90.0E	10
L 5+20N	7+00.0E	20
L 5+40N	5+00.0E	5
L 5+40N	5+10.0E	10
L 5+40N	5+20.0E	10
L 5+40N	5+30.0E	20
L 5+40N	5+40.0E	10
L 5+40N	5+50.0E	5
L 5+40N	5+60.0E	10
L 5+40N	5+70.0E	15
L 5+40N	5+80.0E	570
L 5+40N	5+90.0E	10
L 5+40N	6+00.0E	15
L 5+40N	6+10.0E	15
L 5+40N	6+20.0E	10
L 5+40N	6+30.0E	20
L 5+40N	6+50.0E	55
L 5+40N	6+60.0E	10
L 5+40N	6+70.0E	5
L 5+40N	6+80.0E	15
L 5+40N	6+90.0E	10
L 5+40N	7+00.0E	20
L 5+60N	5+00.0E	5
L 5+60N	5+10.0E	10
L 5+60N	5+20.0E	nd
L 5+60N	5+30.0E	15
L 5+60N	5+40.0E	20
L 5+60N	5+50.0E	10
L 5+60N	5+60.0E	5
L 5+60N	5+70.0E	30
L 5+60N	5+80.0E	70

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample



VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 871113 6A

JOB NUMBER: 871113

P.M. EXPLORATIONS

PAGE 4 OF 12

SAMPLE #		Au ppb
L 5+60N	5+90.0E	10
L 5+60N	6+30.0E	20
L 5+60N	6+40.0E	40
L 5+60N	6+50.0E	25
L 5+60N	6+60.0E	40
L 5+60N	6+70.0E	15
L 5+60N	6+80.0E	15
L 5+60N	6+90.0E	10
L 5+60N	7+00.0E	20
L 5+80N	5+00.0E	15
L 5+80N	5+10.0E	30
L 5+80N	5+20.0E	20
L 5+80N	5+30.0E	20
L 5+80N	5+70.0E	20
L 5+80N	5+80.0E	30
L 5+80N	5+90.0E	85
L 5+80N	6+00.0E	45
L 5+80N	6+10.0E	90
L 5+80N	6+30.0E	60
L 5+80N	6+40.0E	30
L 5+80N	6+50.0E	15
L 5+80N	6+60.0E	5
L 5+80N	6+70.0E	5
L 5+80N	6+80.0E	15
L 5+80N	7+00.0E	5
L 6+00N	5+10.0E	10
L 6+00N	5+20.0E	10
L 6+00N	5+30.0E	10
L 6+00N	5+40.0E	10
L 6+00N	5+50.0E	10
L 6+00N	5+60.0E	5
L 6+00N	5+70.0E	10
L 6+00N	5+80.0E	15
L 6+00N	5+90.0E	35
L 6+00N	6+00.0E	15
L 6+00N	6+10.0E	20
L 6+00N	6+20.0E	10
L 6+00N	6+30.0E	20
L 6+00N	6+40.0E	15

DETECTION LIMIT

5

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-- = not analysed

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REPORT NUMBER: 871113 6A

JOB NUMBER: 871113

P.M. EXPLORATIONS

PAGE 5 OF 12

SAMPLE #		Au ppb
L 6+00N	6+50.0E	15
L 6+00N	6+60.0E	10
L 6+00N	6+70.0E	5
L 6+00N	6+80.0E	10
L 6+00N	6+90.0E	15
L 6+00N	7+00.0E	5
L 6+20N	5+00.0E	20
L 6+20N	5+10.0E	10
L 6+20N	5+20.0E	40
L 6+20N	5+40.0E	20
L 6+20N	5+50.0E	15
L 6+20N	5+60.0E	25
L 6+20N	5+80.0E	5
L 6+20N	6+00.0E	15
L 6+20N	7+00.0E	5
L 6+20N	7+10.0E	20
L 6+20N	7+20.0E	15
L 6+20N	7+30.0E	25
L 6+20N	7+40.0E	5
L 6+20N	7+50.0E	10
L 6+20N	7+60.0E	5
L 6+20N	7+70.0E	10
L 6+20N	7+80.0E	10
L 6+20N	7+90.0E	nd
L 6+40N	5+00.0E	10
L 6+40N	5+10.0E	15
L 6+40N	5+20.0E	40
L 6+40N	5+30.0E	10
L 6+40N	5+40.0E	10
L 6+40N	5+70.0E	15
L 6+40N	5+80.0E	50
L 6+40N	5+90.0E	20
L 6+40N	6+20.0EA	5
L 6+40N	6+20.0EB	15
L 6+40N	6+30.0EA	nd
L 6+40N	6+30.0EB	5
L 6+40N	6+40.0EA	15
L 6+40N	6+40.0EB	5
L 6+40N	6+50.0E	5

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample



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(604) 251-5656

REPORT NUMBER: 871113 GA

JOB NUMBER: 871113

P.M. EXPLORATIONS

PAGE 6 OF 12

SAMPLE #	Au
	ppb
L 6+40N 6+60.0E	5
L 6+40N 6+70.0E	5
L 6+40N 6+80.0E	nd
L 6+40N 6+90.0E	15
L 6+40N 7+00.0EA	5
L 6+40N 7+00.0EB	nd
L 6+60N 5+00.0E	120
L 6+60N 5+40.0E	10
L 6+60N 5+50.0E	20
L 6+60N 5+60.0E	50
L 6+60N 5+70.0E	25
L 6+60N 5+80.0E	15
L 6+60N 5+90.0E	30
L 6+60N 6+00.0E	80
L 6+60N 6+10.0E	65
L 6+60N 6+20.0E	45
L 6+60N 6+30.0E	10
L 6+60N 6+40.0E	5
L 6+60N 6+50.0E	5
L 6+60N 6+60.0E	10
L 6+60N 6+70.0E	50
L 6+60N 6+80.0E	35
L 6+60N 6+90.0E	10
L 6+80N 5+00.0E	20
L 6+80N 5+10.0E	20
L 6+80N 5+20.0E	10
L 6+80N 5+30.0E	nd
L 6+80N 5+40.0E	15
L 6+80N 5+50.0E	nd
L 6+80N 5+60.0E	15
L 6+80N 5+70.0E	10
L 6+80N 5+80.0E	15
L 6+80N 5+90.0E	10
L 6+80N 6+00.0E	5
L 6+80N 6+10.0E	nd
L 6+80N 6+20.0E	5
L 6+80N 6+30.0E	5
L 6+80N 6+40.0E	10
L 6+80N 6+50.0E	45

DETECTION LIMIT 5

nd = none detected -- = not analysed 15 = insufficient sample



VANGEOCHEM LAB LIMITED

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(604) 251-5656

REPORT NUMBER: 871113 GA

JOB NUMBER: 871113

P.M. EXPLORATIONS

PAGE 7 OF 12

SAMPLE #		Au ppb
L 6+80N	6+60.0E	35
L 6+80N	6+70.0E	40
L 6+80N	6+80.0E	5
L 6+80N	6+90.0E	5
L 6+80N	7+00.0E	nd
L 7+00N	5+00.0EA	40
L 7+00N	5+00.0EB	30
L 7+00N	5+10.0E	5
L 7+00N	5+20.0E	nd
L 7+00N	5+30.0E	20
L 7+00N	5+40.0E	10
L 7+00N	5+50.0E	nd
L 7+00N	5+60.0EA	5
L 7+00N	5+60.0EB	10
L 7+00N	5+70.0E	nd
L 7+00N	5+80.0E	15
L 7+00N	5+90.0E	5
L 7+00N	6+00.0E	5
L 7+00N	6+10.0E	nd
L 7+00N	6+20.0E	45
L 7+00N	6+30.0E	20
L 7+00N	6+40.0E	nd
L 7+00N	6+50.0E	nd
L 7+00N	6+70.0E	nd
L 7+00N	6+80.0E	nd
L 7+00N	6+90.0E	nd
L 7+00N	7+00.0E	nd
L 7+20N	5+00.0E	80
L 7+20N	5+10.0E	15
L 7+20N	5+20.0E	15
L 7+20N	5+30.0E	15
L 7+20N	5+40.0E	35
L 7+20N	5+50.0E	30
L 7+20N	5+60.0E	70
L 7+20N	5+70.0E	55
L 7+20N	5+80.0E	110
L 7+20N	5+90.0E	15
L 7+20N	6+00.0E	5
L 7+20N	6+10.0E	nd

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample



VANGEOCHEM LAB LIMITED

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REPORT NUMBER: 871113 GA

JOB NUMBER: 871113

P.M. EXPLORATIONS

PAGE 8 OF 12

SAMPLE #		Au ppb
L 7+20N	6+20.0E	5
L 7+20N	6+30.0E	nd
L 7+20N	6+40.0E	5
L 7+20N	6+50.0E	10
L 7+20N	6+60.0E	nd
L 7+20N	6+70.0E	10
L 7+20N	6+80.0E	10
L 7+20N	6+90.0E	nd
L 7+20N	7+00.0E	5
L 7+40N	5+00.0EA	10
L 7+40N	5+00.0EB	10
L 7+40N	5+10.0E	20
L 7+40N	5+20.0E	10
L 7+40N	5+30.0E	25
L 7+40N	5+40.0E	25
L 7+40N	5+50.0E	35
L 7+40N	5+60.0E	50
L 7+40N	5+70.0E	15
L 7+40N	5+80.0E	5
L 7+40N	5+90.0E	15
L 7+40N	6+00.0E	nd
L 7+40N	6+10.0E	15
L 7+40N	6+20.0E	nd
L 7+40N	6+30.0E	nd
L 7+40N	6+40.0E	nd
L 7+40N	6+50.0E	nd
L 7+40N	6+60.0E	15
L 7+40N	6+70.0E	nd
L 7+40N	6+80.0E	10
L 7+40N	6+90.0E	5
L 7+40N	7+00.0E	nd
L 7+60N	5+00.0EA	nd
L 7+60N	5+00.0EB	nd
L 7+60N	5+10.0E	5
L 7+60N	5+20.0E	10
L 7+60N	5+30.0E	25
L 7+60N	5+40.0E	40
L 7+60N	5+50.0E	10
L 7+60N	5+60.0E	25

DETECTION LIMIT 5

nd = none detected

-- = not analysed

is = insufficient sample



VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L8
(604) 251-5656

REPORT NUMBER: 871113 GA

JOB NUMBER: 871113

P.M. EXPLORATIONS

PAGE 9 OF 12

SAMPLE #		Au
		ppb
L 7+60N	5+70.0E	5
L 7+60N	5+80.0E	10
L 7+60N	5+90.0E	20
L 7+60N	6+00.0E	nd
L 7+60N	6+10.0E	nd
L 7+60N	6+20.0E	nd
L 7+60N	6+30.0E	5
L 7+60N	6+40.0E	5
L 7+60N	6+50.0E	5
L 7+60N	6+60.0E	nd
L 7+60N	6+70.0E	nd
L 7+60N	6+80.0E	5
L 7+60N	6+90.0E	5
L 7+60N	7+00.0E	5
L 8+00N	5+00.0E	5
L 8+00N	5+10.0E	nd
L 8+00N	5+20.0E	nd
L 8+00N	5+30.0E	15
L 8+00N	5+40.0E	nd
L 8+00N	5+50.0E	40
L 8+00N	5+60.0E	15
L 8+00N	5+70.0E	nd
L 8+00N	5+80.0E	5
L 8+00N	5+90.0E	5
L 8+00N	6+00.0E	5
L 8+00N	6+10.0E	5
L 8+00N	6+20.0E	5
L 8+00N	6+30.0E	5
L 8+00N	6+40.0E	nd
L 8+00N	6+50.0E	nd
L 8+00N	6+60.0E	5
L 8+00N	6+70.0E	5
L 8+00N	6+80.0E	10
L 8+00N	6+90.0E	nd
L 8+00N	7+00.0E	nd

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
 BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR SM, MN, FE, CA, P, CR, MG, BA, PD, AL, SA, K, U, PT AND SR. AU AND PD DETECTION IS 3 PPM.
 IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, = NOT ANALYZED

COMPANY: PM EXPLORATIONS
 ATTENTION:
 PROJECT: CALIFORNIA

REPORT#: 871113PA
 JOB#: 871113
 INVOICE#: 871113NA

DATE RECEIVED: 87/08/18
 DATE COMPLETED: 87/09/18
 COPY SENT TO:

ANALYST *W. Reeves*

PAGE 1 OF 12

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	SI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	Ni PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	V PPM	Zn PPM
LA40N-6+00E	1.1	4.85	56	ND	105	ND	.11	.2	3	3	31	2.47	.04	.33	622	1	.06	12	.17	41	ND	ND	ND	ND	13	ND	ND	191
LA40N-6+00E	.6	3.85	19	ND	78	ND	.12	.3	14	15	48	3.78	.04	.49	1018	2	.12	14	.19	30	ND	ND	5	ND	16	ND	ND	174
LA40N-6+00E	1.3	3.85	9	ND	80	ND	.11	.1	14	14	60	3.12	.05	.44	1213	2	.10	13	.15	31	ND	ND	3	ND	13	ND	ND	174
LA40N-6+00E	.8	4.77	4	ND	70	ND	.21	.5	13	15	66	3.09	.05	.49	790	2	.08	19	.16	23	ND	ND	ND	ND	18	ND	ND	124
LA40N-6+00E	.5	1.27	3	ND	107	ND	.23	.2	32	19	118	4.60	.05	.66	1633	3	.12	26	.17	13	ND	ND	ND	110	22	ND	ND	124
LA40N-6+00E	.1	3.36	7	ND	137	ND	.40	.1	52	34	143	8.47	.04	1.49	4422	5	.22	26	.21	24	ND	ND	3	1	36	ND	ND	129
LA40N-7+00E	.1	4.61	ND	ND	171	ND	.23	.4	25	24	57	4.62	.06	.65	2102	2	.11	25	.17	11	ND	ND	ND	ND	23	ND	ND	110
LA40N-6+00E	.4	0.20	6	ND	118	ND	.16	.6	10	13	22	2.52	.04	.39	1109	1	.06	11	.16	11	ND	ND	3	ND	17	ND	ND	95
LA40N-6+00E	.8	2.47	5	3	206	6	.63	.1	28	56	43	4.57	.06	1.82	2690	ND	.12	64	.18	50	ND	ND	4	5	74	ND	ND	173
LA40N-6+00E	1.0	2.65	9	ND	172	4	.25	.9	19	25	38	3.59	.05	.58	3737	1	.13	23	.19	35	ND	ND	4	1	26	ND	ND	242
LA40N-6+00E	.9	1.87	6	ND	123	4	.22	1.1	23	30	59	3.92	.05	.69	2019	1	.11	18	.05	39	ND	ND	5	4	33	ND	ND	144
LA40N-6+00E	.6	5.24	ND	ND	75	ND	.28	.1	29	27	170	4.70	.06	.78	873	2	.11	30	.08	14	ND	ND	ND	ND	23	ND	ND	120
LA40N-6+00E	.6	3.82	3	ND	83	ND	.24	.1	30	27	83	5.10	.05	.67	932	3	.12	31	.09	12	ND	ND	4	1	26	ND	ND	99
LA40N-6+00E	2.2	0.87	5	ND	79	4	.19	.1	36	33	139	6.89	.04	1.01	974	4	.16	27	.17	9	ND	ND	4	ND	33	ND	ND	80
LA40N-6+00E	.1	3.94	6	ND	109	5	.33	.1	25	44	180	7.24	.02	2.58	1176	2	.20	23	.16	7	ND	ND	3	ND	51	ND	ND	31
LA40N-6+00E	1.4	4.30	5	ND	94	3	.20	.1	45	39	178	7.59	.03	1.28	1044	6	.19	30	.19	7	ND	ND	ND	ND	30	ND	ND	121
LA40N-7+00E	1.3	4.52	5	ND	68	ND	.17	.1	28	20	118	4.52	.05	.31	661	3	.11	21	.12	11	ND	ND	3	ND	23	ND	ND	125
LA40N-5+00E	.7	0.73	ND	ND	99	ND	.10	.3	11	9	41	2.68	.04	.32	1051	1	.07	11	.12	15	ND	ND	4	ND	11	ND	ND	114
LA40N-5+00E	.7	0.70	0	ND	63	ND	.11	.2	13	12	48	2.88	.04	.38	549	1	.07	10	.11	8	ND	ND	ND	ND	11	ND	ND	104
LA40N-5+00E	1.1	2.01	15	ND	141	ND	.32	1.3	28	13	52	5.19	.04	.83	3646	2	.11	10	.10	63	ND	ND	6	2	46	ND	ND	116
LA40N-5+00E	.4	0.54	0	ND	102	3	.20	.2	11	11	24	2.64	.04	.40	1810	1	.07	10	.05	10	ND	ND	5	1	21	ND	ND	124
LA40N-5+00E	.5	0.16	ND	ND	100	ND	.10	.1	10	11	21	2.58	.05	.28	1781	1	.06	9	.11	10	ND	ND	5	1	12	ND	ND	90
LA40N-5+00E	.7	0.57	ND	ND	100	ND	.12	.1	9	11	26	2.54	.06	.15	1870	ND	.06	10	.15	10	ND	ND	5	ND	13	4	ND	95
LA40N-5+00E	0	0.07	0	0	0	0	.14	.1	10	11	21	2.46	.04	.35	1211	1	.06	14	.10	11	ND	ND	0	ND	15	ND	ND	90
LA40N-5+00E	0	0.07	0	0	0	0	.14	.1	10	11	26	2.46	.05	.32	1365	1	.08	13	.19	12	ND	ND	3	1	20	ND	ND	147
LA40N-5+00E	0	0.07	0	0	0	0	.14	.1	10	11	33	2.61	.04	.38	1626	1	.06	13	.09	8	ND	ND	4	ND	13	ND	ND	85
LA40N-5+00E	0	0.07	0	0	0	0	.14	.1	10	11	58	4.10	.05	.39	933	1	.11	17	.07	9	ND	ND	5	ND	22	ND	ND	98

1 10 1 10 2 3 5 2 2 1 1 0

SAMPLE NAME	AG PPM	AL I	AS PPM	AU PPM	BA PPM	BI PPM	CA I	CD PPM	CO PPM	CR PPM	CU PPM	FE I	K I	MG I	NN PPM	NO PPM	NA I	NI PPM	P I	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
14-80N-6-10E	.5	2.42	12	ND	72	ND	.15	.1	8	11	24	2.02	.04	.46	581	ND	.05	11	.09	12	ND	ND	ND	ND	15	ND	ND	90
14-80N-6-20E	.5	3.06	10	ND	105	ND	.14	.2	15	16	29	3.10	.03	.52	1814	2	.13	14	.19	26	ND	ND	3	1	21	ND	ND	227
14-80N-6-30E	.5	4.03	15	ND	46	ND	.25	.4	24	42	75	5.03	.04	1.15	1043	2	.38	23	.08	210	ND	ND	3	ND	25	ND	ND	789
14-80N-6-40E	.2	3.30	9	ND	68	ND	.16	.1	23	31	56	4.65	.03	.89	884	2	.21	24	.11	38	ND	ND	ND	ND	17	ND	ND	349
14-80N-6-50E	.6	3.42	10	ND	72	ND	.16	.1	19	35	55	5.37	.02	1.21	985	3	.19	19	.11	26	ND	ND	ND	ND	19	ND	ND	233
14-80N-6-60E	.1	3.11	13	ND	37	ND	.30	.1	31	43	116	6.83	.01	1.39	1367	4	.20	24	.14	21	ND	ND	4	ND	36	ND	ND	175
14-80N-6-70E	.1	3.79	20	ND	111	ND	.35	.1	33	49	227	8.28	.02	1.65	1128	7	.21	25	.25	9	ND	ND	3	ND	46	ND	ND	100
14-80N-6-80E	.1	3.54	12	ND	110	ND	.23	.1	30	40	108	6.31	.03	1.17	1085	4	.17	26	.19	7	ND	ND	3	ND	36	ND	ND	99
14-80N-6-90E	.1	4.30	9	ND	92	ND	.16	.1	35	32	134	5.94	.03	1.25	823	3	.15	24	.24	ND	ND	ND	ND	ND	27	ND	ND	91
14-80N-7-00E	.1	3.71	9	ND	136	ND	.16	.1	28	26	54	4.82	.02	.36	1668	1	.12	18	.16	2	ND	ND	ND	ND	23	ND	ND	95
15-80N-5-10E	.6	3.53	13	ND	88	ND	.09	.1	11	9	25	2.75	.04	.26	2168	1	.07	5	.10	23	ND	ND	3	ND	9	ND	ND	113
15-80N-5-20E	.5	3.25	25	ND	95	ND	.13	.7	10	10	28	2.86	.04	.31	2326	1	.09	9	.18	22	ND	ND	3	ND	12	ND	ND	144
15-80N-5-30E	.7	3.23	8	ND	88	3	.09	.1	9	11	23	2.73	.02	.34	904	1	.07	10	.12	14	ND	ND	ND	ND	11	ND	ND	105
15-80N-5-40E	.5	3.44	11	ND	62	ND	.09	.1	8	10	15	2.38	.03	.25	743	ND	.06	6	.10	21	ND	ND	ND	ND	10	ND	ND	95
15-80N-5-50E	1.6	3.35	10	ND	56	ND	.08	.1	9	7	25	2.55	.03	.23	525	1	.06	6	.16	1	ND	ND	ND	ND	9	ND	ND	92
15-80N-5-60E	1.0	3.25	8	ND	103	ND	.13	.1	10	9	25	2.52	.03	.26	1638	1	.06	9	.13	6	ND	ND	ND	ND	14	ND	ND	94
15-80N-5-70E	.4	3.29	12	ND	104	ND	.12	.1	10	10	27	2.54	.03	.23	2723	ND	.06	10	.10	8	ND	ND	ND	ND	12	ND	ND	88
15-80N-5-80E	.2	3.34	10	ND	113	4	.26	.1	16	14	83	3.73	.01	.57	4013	1	.11	8	.11	18	ND	ND	3	2	28	ND	ND	133
15-80N-5-90E	.1	2.84	13	ND	109	ND	.18	.1	11	13	28	2.65	.01	.41	1774	ND	.08	13	.15	13	ND	ND	3	1	18	ND	ND	121
15-80N-6-00E	1.7	3.33	16	ND	49	ND	.26	.1	28	12	201	8.15	.01	1.58	1446	8	.24	24	.19	63	ND	ND	ND	ND	24	ND	ND	195
15-80N-6-10E	.5	3.24	13	ND	75	3	.16	.1	21	15	56	4.28	.01	.65	1129	2	.14	14	.08	34	ND	ND	ND	ND	15	ND	ND	130
15-80N-6-20E	.1	3.36	11	ND	64	ND	.18	.1	20	18	36	4.03	.02	.61	2013	1	.20	16	.13	41	ND	ND	ND	ND	17	ND	ND	416
15-80N-6-30E	.1	3.14	29	ND	66	ND	.24	1.8	43	30	159	7.81	.01	1.25	3970	8	.40	24	.14	228	ND	ND	ND	ND	27	ND	ND	757
15-80N-6-40E	.1	3.05	16	ND	135	4	.17	.1	33	53	76	7.14	.02	1.03	2316	2	.24	25	.23	74	ND	ND	3	ND	25	ND	ND	310
15-80N-6-50E	.3	3.39	11	ND	95	ND	.26	.1	30	54	99	5.62	.02	1.35	1029	4	.19	18	.19	36	ND	ND	3	ND	38	ND	ND	200
15-80N-6-60E	.1	3.64	15	ND	116	3	.18	.1	21	47	62	6.36	.01	1.38	949	3	.17	16	.19	10	ND	ND	ND	ND	31	ND	ND	135
15-80N-6-70E	.1	3.05	12	3	170	ND	.22	.1	20	46	121	8.02	.01	2.19	960	12	.21	18	.21	15	ND	ND	4	1	64	ND	ND	130
15-80N-6-80E	.1	3.25	8	ND	128	3	.24	.1	20	33	79	5.71	.01	1.34	697	5	.15	23	.12	10	ND	ND	3	ND	43	ND	ND	110
15-80N-6-90E	.1	2.91	10	ND	92	ND	.16	.1	27	27	63	4.62	.02	.76	1715	3	.12	19	.19	2	ND	ND	ND	ND	24	ND	ND	110
15-80N-6-00E	.1	3.35	9	ND	106	5	.41	.1	30	25	115	5.28	.01	2.16	808	2	.15	18	.18	ND	ND	ND	ND	ND	46	ND	ND	102
15-80N-6-10E	.7	3.57	16	ND	74	ND	.11	.2	11	9	30	2.68	.01	.27	2451	1	.07	8	.14	29	ND	ND	ND	ND	10	ND	ND	102
15-80N-6-20E	.6	4.62	15	ND	75	3	.10	.1	15	12	78	3.42	.02	.44	1048	1	.08	13	.14	4	ND	ND	ND	ND	12	ND	ND	102
15-80N-6-30E	.1	3.54	13	ND	69	3	.11	.1	11	10	29	2.72	.01	.29	1584	1	.06	6	.09	23	ND	ND	3	ND	13	ND	3	82
15-80N-6-40E	.5	3.21	7	ND	77	ND	.14	.1	12	11	31	3.27	.02	.34	679	1	.08	10	.10	2	ND	ND	3	ND	14	ND	3	109
15-80N-6-40EA	.2	3.19	7	ND	81	3	.14	.1	13	13	32	2.91	.02	.38	945	ND	.07	11	.08	11	ND	ND	ND	ND	14	ND	ND	100
15-80N-6-40EB	.3	3.39	11	ND	113	5	.13	.1	18	46	65	6.49	.02	1.38	643	4	.15	19	.15	2	ND	ND	ND	ND	28	ND	ND	91
15-80N-6-50E	.2	3.74	8	ND	38	ND	.16	.1	22	12	56	4.08	.02	.48	1310	2	.11	15	.12	16	ND	ND	ND	ND	15	ND	ND	145
15-80N-6-60E	.1	3.95	10	ND	77	ND	.15	.1	21	14	87	3.82	.01	.56	1261	3	.10	16	.15	13	ND	ND	ND	ND	19	ND	ND	152
15-80N-6-70E	1.1	2.93	11	ND	101	ND	.15	.1	18	12	65	3.42	.01	.45	2311	1	.12	12	.14	16	ND	ND	5	ND	19	ND	ND	208
DETERMINATION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	3	3	

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CJ PPM	FE %	K %	MG %	NK PPM	NO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SM PPM	SR PPM	S PPM	W PPM	ZK PPM
15+20N-5+90E	.6	3.08	12	ND	80	ND	.17	.3	13	17	39	3.66	.05	.57	664	2	.13	15	.24	19	ND	ND	3	ND	16	ND	3	214
15+20N-5+90E	.5	3.55	3	ND	86	ND	.15	.1	20	20	68	3.65	.05	.76	1322	2	.14	24	.15	16	ND	ND	ND	ND	17	ND	ND	203
15+20N-5+90E	.4	2.52	7	ND	107	ND	.18	.1	20	30	48	4.85	.04	1.25	1663	3	.17	22	.14	8	ND	ND	4	ND	30	ND	ND	191
15+20N-6+10E	.4	3.12	3	ND	117	ND	.23	.1	31	41	46	4.91	.04	1.34	2870	2	.22	24	.18	13	ND	ND	ND	ND	25	ND	ND	303
15+20N-6+20E	.5	3.07	4	ND	80	ND	.18	.1	30	39	57	4.77	.05	1.21	1339	2	.18	23	.15	20	ND	ND	ND	ND	23	ND	ND	231
15+20N-6+20E	.3	3.94	8	3	117	ND	.18	.1	19	41	77	6.47	.05	1.24	821	6	.17	16	.24	16	ND	ND	ND	ND	32	ND	ND	121
15+20N-6+20E	.5	3.79	3	ND	145	ND	.18	.1	14	41	55	5.77	.04	1.60	870	7	.15	17	.13	13	ND	ND	3	ND	47	ND	ND	79
15+20N-6+60E	.3	2.59	5	3	157	3	.23	.1	21	41	102	5.26	.06	1.33	683	6	.14	23	.10	9	ND	ND	ND	ND	54	ND	ND	90
15+20N-6+90E	.5	3.07	ND	ND	117	ND	.24	.1	20	24	46	3.84	.05	1.09	579	1	.11	14	.13	3	ND	ND	ND	ND	30	ND	3	109
15+20N-7+00E	1.0	3.66	3	ND	107	ND	.31	.1	19	18	52	3.42	.06	.98	1117	2	.10	14	.18	8	ND	ND	ND	ND	30	ND	ND	118
15+20N-5+90E	.7	2.56	9	ND	63	ND	.13	.1	11	12	27	2.90	.05	.41	918	1	.07	7	.12	22	ND	ND	ND	ND	16	ND	3	91
15+20N-5+90E	.7	5.07	ND	ND	84	ND	.11	.1	14	11	57	2.93	.05	.36	1612	3	.09	12	.15	20	ND	ND	ND	ND	12	ND	ND	170
15+20N-5+90E	.8	3.97	7	ND	90	ND	.11	.1	16	10	59	3.15	.05	.31	1653	2	.13	12	.14	33	ND	ND	ND	ND	13	ND	ND	247
15+20N-5+90E	.11	2.71	2	ND	64	ND	.14	.1	19	14	87	3.60	.07	.46	669	3	.10	14	.10	18	ND	ND	3	ND	16	ND	ND	138
15+20N-5+90E	.4	3.25	ND	ND	65	ND	.23	.1	16	15	36	3.03	.06	.53	1665	1	.09	16	.07	13	ND	ND	ND	ND	20	ND	ND	146
15+20N-5+90E	.5	2.55	4	ND	79	ND	.25	.2	11	15	25	2.58	.05	.49	1228	1	.07	10	.10	15	ND	ND	ND	ND	21	ND	5	112
15+20N-5+90E	.6	1.60	4	ND	50	ND	.14	.1	9	11	17	2.96	.05	.29	427	2	.06	9	.07	21	ND	ND	ND	1	15	3	ND	82
15+20N-5+70E	.7	4.33	10	ND	66	ND	.12	.1	26	13	90	4.09	.05	.50	628	2	.10	16	.15	14	ND	ND	ND	ND	13	ND	ND	105
15+20N-5+90E	.1	1.89	17	3	50	ND	.20	.1	35	34	37	6.39	.06	.88	1279	4	.19	15	.13	18	ND	ND	ND	ND	28	ND	ND	82
15+20N-5+90E	.7	1.28	11	ND	36	ND	.16	.1	17	18	29	3.64	.04	.51	635	1	.08	8	.11	24	ND	ND	3	1	28	ND	ND	64
15+20N-5+90E	.6	2.24	8	ND	58	ND	.21	.1	21	33	28	4.98	.05	1.01	1188	2	.13	22	.12	15	ND	ND	3	1	27	ND	ND	102
15+20N-5+90E	.3	2.53	5	ND	57	ND	.14	.1	17	28	46	4.59	.03	.78	1225	2	.12	13	.13	23	ND	ND	3	ND	19	ND	ND	98
15+20N-5+90E	.4	2.16	3	ND	56	ND	.13	.1	16	29	41	4.87	.04	.82	450	2	.13	15	.17	9	ND	ND	ND	ND	21	ND	ND	113
15+20N-5+90E	.7	2.19	4	ND	62	ND	.20	.1	27	30	63	5.39	.04	1.17	1384	13	.15	16	.15	10	ND	ND	ND	ND	31	ND	ND	135
15+20N-5+90E	.5	2.87	4	ND	117	4	.20	.1	16	44	81	5.53	.06	1.37	633	6	.14	19	.13	13	ND	ND	ND	ND	52	ND	ND	69
15+20N-5+90E	.4	3.08	4	ND	101	3	.27	.1	17	34	50	4.72	.03	1.13	747	4	.12	18	.13	8	ND	ND	ND	ND	40	ND	ND	76
15+20N-5+90E	.2	2.36	ND	ND	133	ND	.24	.1	23	22	59	3.31	.05	.85	1502	1	.10	15	.14	6	ND	ND	ND	ND	34	ND	ND	88
15+20N-5+90E	.4	3.83	7	ND	131	4	.29	.1	28	25	97	4.86	.05	1.60	640	3	.14	20	.15	ND	ND	ND	ND	ND	43	ND	ND	102
15+20N-5+90E	.1	3.39	ND	ND	188	3	.37	.1	31	33	55	4.75	.04	1.56	2084	1	.15	22	.12	ND	ND	ND	ND	ND	52	ND	ND	123
15+20N-5+90E	.3	4.01	ND	ND	177	4	.30	.1	27	21	59	4.12	.04	1.27	1086	1	.12	20	.18	ND	ND	ND	ND	ND	38	ND	ND	106
15+20N-5+90E	.4	3.87	5	ND	105	3	.16	.1	15	11	30	2.68	.03	.35	1770	1	.09	9	.22	39	ND	ND	ND	ND	17	ND	ND	164
15+20N-5+90E	.1	4.75	5	ND	58	ND	.28	.1	22	16	135	3.96	.04	.60	428	3	.09	14	.05	10	ND	ND	ND	ND	25	ND	ND	119
15+20N-5+90E	.3	4.10	3	ND	68	ND	.63	.1	11	13	39	2.36	.04	.24	357	1	.04	10	.03	13	ND	ND	ND	ND	38	ND	ND	45
15+20N-5+90E	.1	4.41	ND	ND	140	ND	.99	1.5	13	15	35	2.78	.06	.28	3374	1	.03	13	.07	7	ND	ND	ND	ND	16	ND	ND	77
15+20N-5+40E	.7	2.60	4	ND	75	ND	.23	.1	10	9	34	3.16	.08	.42	2536	1	.09	5	.10	15	ND	ND	ND	ND	27	ND	ND	130
15+20N-5+90E	.4	2.35	10	ND	99	ND	.21	.1	11	9	40	3.41	.06	.37	1860	2	.09	5	.10	23	ND	ND	ND	ND	23	ND	ND	162
15+20N-5+60E	.2	2.39	4	ND	83	ND	.20	.1	13	13	30	3.07	.02	.42	1163	1	.09	11	.09	14	ND	ND	ND	ND	21	ND	ND	136
15+20N-5+70E	.2	2.89	10	ND	86	3	.15	.1	23	14	82	4.26	.02	.45	315	3	.10	17	.11	9	ND	ND	ND	ND	18	ND	ND	90
15+20N-5+90E	.1	3.17	4	ND	72	ND	.20	.1	27	21	37	4.13	.02	.58	1810	1	.10	13	.12	1	ND	ND	ND	ND	23	ND	ND	30
DETECTION LIMIT	.1	.01	0	0	1	0	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	1	0	0	0	0	1	0	0	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPH	BI PPH	CA %	CD PPH	CO PPH	CR PPH	CU PPH	FE %	K %	MG %	MN PPH	MO PPH	NA %	NI PPH	P %	PB PPH	PD PPH	PT PPH	SB PPH	SM PPH	SR PPH	S PPH	W PPH	ZN PPM
LS+60N-5+90E	.3	2.90	5	ND	78	ND	.17	.2	29	23	46	4.29	.03	.76	1378	3	.12	21	.18	33	ND	ND	4	ND	25	ND	ND	110
LS+60N-6+20E	.6	3.65	7	ND	93	3	.17	.1	25	34	60	5.36	.03	1.02	833	4	.14	21	.20	19	ND	ND	3	ND	27	ND	ND	90
LS+60N-6+40E	.1	3.31	7	ND	108	ND	.19	.1	25	45	93	6.39	.03	1.35	764	6	.16	27	.15	17	ND	ND	4	ND	34	ND	ND	96
LS+60N-6+50E	.7	3.24	4	ND	109	ND	.20	.1	31	36	79	4.73	.03	1.05	752	4	.12	30	.18	11	ND	ND	3	ND	35	ND	ND	88
LS+60N-6+60E	.7	3.68	4	ND	122	ND	.22	.4	22	19	44	3.49	.04	.72	633	2	.09	18	.23	17	ND	ND	ND	ND	31	ND	ND	95
LS+60N-6+70E	.8	3.22	4	ND	97	ND	.16	.1	20	19	50	3.09	.04	.67	415	3	.08	15	.19	13	ND	ND	ND	ND	23	ND	ND	92
LS+60N-6+80E	.5	2.92	ND	ND	87	ND	.24	.3	18	19	57	3.36	.04	.89	553	2	.08	10	.13	10	ND	ND	3	ND	38	ND	ND	81
LS+60N-6+90E	.4	3.37	ND	ND	97	ND	.25	.1	20	17	69	3.44	.04	.77	589	2	.09	14	.12	14	ND	ND	ND	ND	30	ND	ND	103
LS+60N-7+00E	.3	3.31	3	ND	150	ND	.23	.3	22	15	52	3.54	.04	.94	693	1	.09	11	.14	11	ND	ND	ND	ND	29	ND	ND	91
LS+60N-7+10E	.1	3.05	5	ND	115	ND	.33	.3	22	11	54	4.19	.04	.42	3650	2	.11	19	.12	27	ND	ND	ND	1	32	ND	ND	123
LS+60N-7+20E	.1	2.95	ND	ND	119	ND	1.13	1.9	12	11	54	2.70	.06	.23	3186	2	.07	12	.11	19	ND	ND	ND	ND	61	ND	ND	150
LS+60N-7+30E	.1	3.19	ND	ND	116	ND	1.46	1.9	11	10	90	2.82	.07	.34	3531	2	.08	7	.11	37	ND	ND	ND	ND	77	ND	ND	178
LS+60N-7+40E	.1	1.51	3	ND	74	ND	2.49	3.1	5	5	65	1.58	.05	.19	2066	ND	.03	1	.12	43	ND	ND	ND	ND	108	ND	ND	73
LS+60N-7+50E	.1	3.19	5	ND	100	4	.32	.1	39	27	31	4.69	.03	1.12	1423	3	.13	30	.09	10	ND	ND	ND	1	39	ND	ND	99
LS+60N-7+60E	.3	1.79	4	ND	74	ND	.22	.1	30	30	42	3.13	.04	.93	781	5	.12	22	.16	14	ND	ND	3	ND	29	ND	ND	78
LS+60N-7+70E	.2	3.27	5	ND	70	ND	.23	.1	18	28	90	3.55	.04	1.63	567	4	.14	19	.10	8	ND	ND	ND	ND	44	ND	ND	69
LS+60N-7+80E	1.0	2.64	5	ND	57	ND	.18	.1	27	23	69	3.56	.02	.89	763	4	.13	11	.23	15	ND	ND	3	ND	28	ND	ND	75
LS+60N-7+90E	.1	4.43	8	ND	57	ND	.41	.5	18	79	310	10.78	.03	3.08	6887	20	.29	110	.17	13	ND	ND	ND	ND	41	ND	ND	99
LS+60N-8+00E	1.2	3.29	6	ND	81	3	.19	.1	19	23	79	4.41	.03	.96	474	4	.10	17	.11	15	ND	ND	3	ND	31	ND	ND	70
LS+60N-8+10E	1.6	2.55	4	ND	105	ND	.24	.1	25	21	55	3.55	.03	.56	1126	2	.08	22	.18	15	ND	ND	ND	1	32	ND	ND	73
LS+60N-8+20E	1.5	3.05	ND	ND	66	ND	.13	.1	19	17	46	2.32	.02	.48	588	2	.07	13	.16	18	ND	ND	ND	1	22	ND	ND	78
LS+60N-8+30E	1.2	2.90	ND	ND	26	4	.19	.1	15	18	39	3.05	.04	.62	797	1	.08	14	.18	14	ND	ND	3	ND	25	ND	ND	95
LS+60N-8+40E	.5	2.41	ND	ND	91	ND	.18	.1	15	14	28	2.72	.04	.49	1007	2	.06	11	.13	15	ND	ND	ND	ND	23	ND	ND	86
LS+60N-8+50E	.4	3.53	5	ND	105	ND	.25	.1	16	15	26	2.35	.03	.34	477	2	.07	14	.12	14	ND	ND	ND	ND	29	ND	ND	85
LS+60N-8+60E	.4	1.72	4	ND	95	3	.25	.2	13	11	29	2.44	.03	.41	677	1	.05	7	.06	14	ND	ND	3	ND	27	ND	ND	91
LS+60N-8+70E	.1	3.74	ND	ND	125	ND	.99	1.9	12	12	126	2.95	.06	.34	2983	2	.09	11	.18	30	ND	ND	ND	ND	56	3	ND	166
LS+60N-8+80E	.1	2.49	9	ND	99	ND	1.19	1.7	15	20	104	3.50	.06	.88	1855	2	.10	11	.12	59	ND	ND	ND	ND	72	ND	ND	154
LS+60N-8+90E	.1	2.80	5	ND	78	ND	.86	.6	9	11	38	2.71	.07	.40	1600	1	.06	8	.05	16	ND	ND	3	ND	52	ND	ND	113
LS+60N-9+00E	.1	3.00	3	ND	61	ND	.34	.1	11	14	41	3.11	.06	.52	582	1	.07	12	.12	14	ND	ND	ND	ND	29	ND	ND	109
LS+60N-9+10E	.1	4.28	ND	ND	100	ND	.27	.2	12	13	40	2.90	.04	.46	385	2	.06	17	.08	13	ND	ND	ND	ND	28	ND	ND	31
LS+60N-9+20E	.3	2.64	10	ND	50	3	.23	.2	25	17	69	3.25	.04	.72	663	4	.08	22	.10	13	ND	ND	3	ND	29	ND	ND	71
LS+60N-9+30E	.1	2.80	4	ND	62	5	.29	.1	30	30	59	4.61	.03	1.23	687	4	.11	22	.11	6	ND	ND	3	ND	35	ND	ND	67
LS+60N-9+40E	.1	2.88	3	ND	71	ND	.27	.1	31	35	40	4.07	.02	1.01	577	4	.09	22	.12	8	ND	ND	3	2	35	ND	ND	59
LS+60N-9+50E	.1	2.91	2	ND	88	ND	.28	.1	32	21	31	4.59	.02	1.31	724	3	.11	14	.10	12	ND	ND	ND	1	40	ND	ND	58
LS+60N-9+60E	.1	2.21	3	ND	111	ND	.21	.1	21	15	30	2.52	.04	.62	1018	1	.08	14	.15	11	ND	ND	ND	ND	31	ND	ND	54
LS+60N-9+70E	.5	3.79	7	ND	72	ND	.14	.1	17	18	38	3.35	.03	.63	480	3	.09	16	.19	13	ND	ND	3	ND	22	ND	ND	74
LS+60N-9+80E	.3	2.87	9	ND	88	ND	.19	.1	21	21	45	4.02	.03	.84	775	2	.10	16	.18	14	ND	ND	3	ND	28	ND	ND	32
LS+60N-9+90E	.4	3.12	7	ND	74	3	.13	.1	21	19	53	3.32	.02	.81	743	2	.09	13	.24	14	ND	ND	3	ND	23	ND	ND	73
LS+60N-9+00E	1.4	3.61	9	ND	73	ND	.15	.1	19	19	82	3.47	.02	.65	440	2	.08	17	.15	10	ND	ND	ND	ND	26	ND	ND	77
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	.01	.01	2	2	5	2	2	1	1	1	1

SAMPLE NAME	AS PPM	AL I	AS PPM	AU PPM	BA PPM	BI PPM	CA I	CO PPM	CO PPM	CR PPM	CU PPM	FE I	K I	MG I	MN PPM	MO PPM	NA I	NI PPM	P I	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	S I PPM	ZN PPM		
16400N-6+50E	.9	3.74	5	3	155	4	.26	.2	24	16	96	4.86	.06	1.76	874	1	.13	18	.09	5	ND	ND	ND	2	51	ND	ND	83	
16400N-6+60E	1.1	2.90	5	ND	109	5	.14	.7	18	24	43	2.98	.05	.50	1455	1	.08	34	.08	12	ND	ND	4	ND	23	ND	ND	105	
16400N-6+70E	.7	3.13	6	ND	74	ND	.18	.3	12	16	28	3.07	.05	.59	361	1	.07	12	.16	9	ND	ND	3	ND	21	4	ND	87	
16400N-6+80E	1.0	2.50	6	ND	82	ND	.19	.7	14	18	34	3.01	.06	.59	728	1	.07	16	.07	15	ND	ND	3	ND	23	3	ND	98	
16400N-6+90E	.7	2.80	7	ND	121	ND	.15	.5	13	13	24	2.43	.05	.47	697	1	.06	13	.13	14	ND	ND	ND	ND	19	3	ND	98	
16400N-7+00E	.6	2.78	11	ND	114	ND	.16	.9	11	12	18	2.16	.05	.36	363	1	.06	17	.15	22	ND	ND	3	ND	19	ND	4	108	
16400N-5+00E	.2	4.06	6	ND	106	ND	.96	.7	9	13	58	2.94	.07	.50	916	2	.05	12	.11	23	ND	ND	ND	ND	63	ND	ND	89	
16400N-5+10E	.1	4.20	11	ND	94	ND	.31	1.3	11	14	50	3.14	.05	.33	1064	1	.08	14	.30	23	ND	ND	ND	ND	11	32	3	ND	134
16400N-5+20E	.1	3.41	7	ND	114	ND	.06	1.1	9	12	34	2.84	.06	.40	1429	ND	.07	14	.19	16	ND	ND	ND	ND	ND	68	ND	ND	117
16400N-5+30E	.3	3.06	3	ND	70	ND	.23	.7	11	14	33	3.03	.06	.47	564	2	.06	15	.08	12	ND	ND	ND	ND	25	ND	ND	90	
16400N-5+40E	.1	3.26	10	ND	75	5	.23	.2	25	44	70	3.72	.04	1.37	821	10	.15	21	.14	9	ND	ND	ND	ND	27	ND	ND	71	
16400N-5+50E	.2	3.29	10	ND	65	5	.26	.1	33	35	74	5.89	.04	1.68	589	9	.14	24	.11	4	ND	ND	ND	ND	31	ND	ND	56	
16400N-5+60E	.4	2.36	9	ND	105	ND	.32	.4	34	29	68	1.46	.05	1.38	784	2	.12	18	.15	7	ND	ND	ND	ND	47	ND	ND	73	
16400N-5+70E	.4	2.20	1	ND	92	3	.18	.6	23	14	23	2.25	.05	.50	1063	1	.07	9	.17	18	ND	ND	ND	ND	27	ND	ND	64	
16400N-5+80E	.8	2.32	11	ND	109	4	.22	.6	16	10	46	2.62	.05	.46	567	1	.05	13	.14	17	ND	ND	ND	ND	25	4	ND	76	
16400N-5+90E	.6	2.05	10	ND	122	ND	.20	.3	20	33	76	4.10	.04	.30	696	2	.09	15	.18	14	ND	ND	3	ND	44	ND	4	74	
16400N-6+00E	.7	2.73	5	ND	108	3	.19	.1	21	20	49	3.20	.04	.51	1072	1	.08	15	.18	11	ND	ND	ND	ND	31	ND	ND	79	
16400N-6+10E	1.1	2.00	4	ND	97	ND	.14	.4	18	10	47	2.94	.05	.51	627	2	.06	14	.12	8	ND	ND	3	ND	22	3	ND	72	
16400N-6+20E	1.4	3.60	6	ND	114	ND	.24	.1	20	14	72	3.18	.05	.70	686	1	.08	12	.22	6	ND	ND	3	ND	31	ND	ND	85	
16400N-6+30E	1.2	2.98	9	ND	90	ND	.12	.9	17	14	46	3.38	.03	.51	549	2	.07	12	.15	11	ND	ND	3	ND	21	ND	ND	71	
16400N-6+40E	.8	2.59	7	ND	140	ND	.20	.4	18	11	31	2.77	.06	.38	2549	2	.07	18	.18	15	ND	ND	3	1	25	6	ND	105	
16400N-6+50E	1.1	1.77	7	ND	77	4	.18	.2	16	11	38	3.31	.05	.46	651	1	.07	9	.12	20	ND	ND	3	1	25	3	ND	85	
16400N-6+60E	.6	3.13	12	ND	113	ND	.24	.1	16	20	40	3.18	.06	.71	563	1	.07	18	.16	13	ND	ND	ND	ND	24	3	ND	94	
16400N-6+70E	1.0	2.47	7	ND	127	ND	.17	.3	12	10	10	2.54	.05	.36	959	1	.06	11	.18	14	ND	ND	ND	ND	26	4	ND	86	
16400N-5+00E	.4	5.08	3	ND	84	ND	.43	.1	11	11	39	3.20	.07	.37	656	3	.06	14	.14	14	ND	ND	ND	ND	33	3	ND	11	
16400N-5+10E	.3	4.10	10	ND	94	ND	.42	.3	9	12	31	2.95	.05	.31	574	1	.06	12	.16	13	ND	ND	ND	ND	33	ND	ND	82	
16400N-5+20E	.2	5.25	5	ND	101	ND	.62	.9	10	10	43	3.14	.09	.44	664	1	.04	10	.18	10	ND	ND	ND	ND	42	ND	ND	39	
16400N-5+30E	.4	5.25	3	ND	93	ND	.30	.6	13	15	58	3.40	.08	.43	652	1	.07	13	.16	11	ND	ND	ND	ND	29	ND	ND	113	
16400N-5+40E	1.1	5.26	5	ND	102	ND	.18	.3	11	13	47	2.94	.07	.42	658	1	.05	14	.10	10	ND	ND	ND	ND	23	3	ND	77	
16400N-5+50E	.5	3.24	9	ND	57	4	.27	.1	40	20	93	4.35	.04	1.09	540	3	.11	21	.13	4	ND	ND	ND	ND	41	ND	ND	64	
16400N-5+60E	.6	3.05	10	3	100	3	.31	.1	36	47	107	4.39	.06	1.19	657	2	.11	22	.12	2	ND	ND	ND	ND	46	ND	ND	62	
16400N-5+70E	.4	2.47	7	ND	152	ND	.28	.1	35	31	31	4.24	.05	.66	1074	1	.10	18	.18	18	ND	ND	3	1	41	ND	ND	80	
16400N-5+80EA	.7	4.57	10	ND	160	ND	.13	1.1	13	9	37	2.60	.05	.28	2225	1	.07	15	.24	7	ND	ND	ND	ND	16	ND	ND	126	
16400N-5+80EB	.0	3.04	9	ND	115	ND	.20	.7	13	10	26	2.82	.04	.57	1127	1	.07	11	.27	16	ND	ND	ND	ND	29	ND	ND	95	
16400N-5+00EA	1.0	4.31	ND	ND	85	3	.10	.5	9	9	35	2.21	.06	.34	320	1	.04	10	.13	6	ND	ND	ND	ND	13	ND	ND	69	
16400N-5+00EB	.7	3.25	9	ND	103	ND	.24	.1	16	17	35	3.45	.04	.76	574	1	.08	13	.13	7	ND	ND	ND	ND	30	ND	ND	92	
16400N-5+40EA	1.0	3.13	14	ND	90	ND	.16	.4	18	15	45	3.30	.05	.56	792	1	.08	9	.19	11	ND	ND	ND	ND	21	ND	ND	91	
16400N-5+40EB	.5	4.12	5	ND	111	ND	.16	.3	10	10	26	2.62	.04	.40	635	2	.08	15	.20	12	ND	ND	ND	ND	16	ND	ND	145	
16400N-5+50E	.5	2.59	3	ND	85	ND	.15	.2	15	13	33	2.63	.04	.47	929	1	.06	12	.13	7	ND	ND	ND	ND	17	ND	ND	75	
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1	

SAMPLE NAME	AG PPM	AL %	AS PPM	AU 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	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	T PPM	V PPM	ZN PPM
16+40N-6+60E	1.0	2.40	5	ND	80	ND	.18	.1	16	14	51	2.77	.06	.63	485	1	.07	14	.11	10	ND	ND	ND	ND	23	ND	ND	78
16+40N-6+70E	1.1	4.03	5	ND	80	3	.15	.5	15	11	43	2.90	.05	.37	473	1	.06	14	.15	12	ND	ND	ND	ND	17	ND	ND	82
16+40N-6+80E	.8	3.04	ND	ND	94	3	.19	.1	12	11	32	2.35	.06	.37	1401	1	.05	9	.14	11	ND	ND	ND	ND	21	ND	ND	71
16+40N-6+90E	.9	2.91	3	ND	113	ND	.19	.1	14	15	26	3.14	.06	.36	1106	1	.06	13	.09	17	ND	ND	ND	ND	21	ND	3	91
16+40N-7+00EA	.6	2.46	3	ND	128	ND	.32	.1	28	20	110	4.32	.04	1.01	1475	1	.12	17	.20	15	ND	ND	ND	ND	55	ND	ND	122
16+50N-7+00EB	.1	3.68	4	ND	211	ND	.51	.1	52	17	213	5.68	.07	1.51	1363	1	.15	21	.09	11	ND	ND	ND	ND	44	ND	ND	83
16+50N-6+00E	.2	4.57	3	ND	93	ND	.57	.2	11	10	124	2.90	.08	.44	1313	3	.05	8	.18	13	ND	ND	ND	ND	38	ND	ND	56
16+50N-5+40E	1.0	3.33	7	ND	112	ND	.16	.4	14	13	32	2.73	.06	.40	558	2	.06	.2	.20	17	ND	ND	ND	ND	22	ND	ND	91
16+50N-5+50E	.5	2.15	5	ND	87	3	.28	.1	31	19	54	3.32	.05	.80	811	3	.08	18	.10	7	ND	ND	ND	ND	35	ND	7	74
16+50N-5+60E	.6	3.02	5	ND	76	ND	.24	.2	37	22	33	4.38	.04	.69	756	3	.11	24	.14	7	ND	ND	ND	ND	33	ND	ND	70
16+50N-5+70E	.4	2.67	5	ND	60	4	.22	.1	43	19	100	3.80	.05	.65	629	3	.10	19	.14	17	ND	ND	ND	ND	32	ND	ND	71
16+50N-5+80E	.7	3.19	6	3	107	ND	.41	.1	40	24	85	4.21	.06	.68	1116	3	.11	21	.20	9	ND	ND	ND	ND	51	ND	ND	80
16+50N-5+90E	.7	2.66	6	ND	88	ND	.29	.3	29	32	62	3.74	.06	.84	859	2	.09	16	.21	9	ND	ND	ND	ND	42	ND	3	70
16+50N-5+00E	1.0	2.68	ND	ND	120	ND	.27	.5	32	16	75	3.43	.07	.07	310	3	.07	12	.13	9	ND	ND	ND	ND	36	ND	ND	79
16+50N-5+10E	.9	2.42	3	ND	114	3	.25	.1	36	11	77	3.46	.05	.50	865	2	.08	14	.25	7	ND	ND	ND	ND	36	ND	ND	75
16+50N-5+20E	.1	2.33	7	ND	109	ND	.25	.6	17	14	36	2.37	.06	.73	1468	1	.07	14	.15	18	ND	ND	ND	ND	27	ND	ND	112
16+50N-5+30E	.7	1.60	10	ND	96	ND	.17	.4	9	9	14	1.39	.04	.28	861	1	.03	8	.09	36	ND	ND	ND	ND	20	ND	ND	62
16+50N-5+40E	.6	3.16	6	ND	123	3	.15	.2	11	12	18	2.54	.05	.03	675	1	.07	16	.19	12	ND	ND	ND	ND	17	ND	ND	104
16+50N-5+50E	.7	3.15	5	ND	111	ND	.18	.3	17	11	38	2.99	.05	.41	803	1	.08	9	.24	13	ND	ND	ND	ND	17	ND	ND	93
16+50N-5+60E	.5	3.17	6	ND	159	ND	.21	.7	27	13	98	3.97	.05	.66	1327	2	.11	15	.16	20	ND	ND	ND	ND	24	ND	ND	121
16+50N-5+70E	.7	3.37	3	ND	116	ND	.19	.1	17	14	50	3.05	.05	.51	543	1	.07	20	.07	9	ND	ND	ND	ND	22	ND	ND	35
16+50N-5+80E	.1	3.21	20	ND	151	ND	.39	.1	54	21	226	5.49	.04	1.34	2341	1	.16	28	.08	35	ND	ND	ND	ND	52	ND	ND	95
16+50N-5+90E	.4	2.69	4	ND	126	ND	.29	.1	19	14	73	3.02	.06	.62	1329	ND	.07	15	.08	11	ND	ND	ND	ND	33	ND	ND	70
16+50N-5+00E	.8	3.54	4	ND	96	ND	.20	.2	9	13	77	2.54	.07	.45	510	1	.04	11	.10	11	ND	ND	ND	ND	24	ND	ND	76
16+50N-5+10E	.1	4.17	5	ND	166	ND	.29	.7	11	15	52	3.12	.07	.40	1279	1	.06	14	.19	13	ND	ND	ND	ND	34	ND	ND	33
16+50N-5+20E	2.2	2.56	9	ND	111	ND	.23	.4	8	11	22	2.56	.05	.28	677	1	.04	11	.13	13	ND	ND	ND	ND	27	4	ND	70
16+50N-5+30E	.4	2.04	ND	ND	239	ND	.22	.1	11	7	32	2.14	.05	.26	1224	1	.04	7	.11	10	ND	ND	ND	ND	28	ND	ND	69
16+50N-5+40E	.7	2.52	5	ND	92	ND	.23	.1	15	14	34	2.30	.04	.42	593	1	.04	15	.08	10	ND	ND	ND	ND	24	ND	ND	58
16+50N-5+50E	.5	2.52	5	ND	96	ND	.16	.2	14	15	25	2.59	.05	.48	522	1	.06	14	.23	8	ND	ND	ND	ND	19	ND	ND	73
16+50N-5+60E	.1	2.93	3	ND	124	ND	.28	.1	27	14	55	3.04	.05	.58	1879	2	.07	22	.09	8	ND	ND	ND	ND	41	ND	ND	64
16+50N-5+70E	1.0	1.92	6	ND	91	ND	.20	.1	21	13	38	2.74	.05	.46	701	1	.06	12	.12	6	ND	ND	ND	ND	29	ND	ND	55
16+50N-5+80E	.5	1.65	7	ND	83	ND	.22	.1	13	15	29	2.03	.06	.48	425	2	.05	10	.10	11	ND	ND	ND	ND	30	ND	ND	55
16+50N-5+90E	.6	2.00	8	ND	88	ND	.23	.1	15	15	35	2.50	.06	.58	458	2	.05	15	.08	6	ND	ND	ND	ND	25	ND	ND	70
16+50N-6+00E	.7	2.60	7	ND	73	ND	.15	.3	8	9	9	2.02	.06	.30	358	ND	.04	8	.13	3	ND	ND	ND	ND	16	5	ND	30
16+50N-6+10E	.5	1.55	9	ND	70	ND	.19	.3	7	8	7	1.86	.06	.29	537	ND	.03	7	.18	9	ND	ND	ND	ND	20	3	ND	76
16+50N-6+20E	.6	2.39	7	ND	64	ND	.20	.1	12	13	15	2.76	.05	.39	265	1	.06	10	.06	12	ND	ND	ND	ND	20	ND	ND	30
16+50N-6+30E	.7	2.30	9	ND	94	ND	.13	.3	9	9	12	2.04	.04	.26	650	1	.05	8	.13	23	ND	ND	ND	ND	15	ND	4	100
16+50N-6+40E	.7	2.74	5	ND	142	6	.22	.1	20	9	68	3.52	.06	.30	319	1	.03	13	.16	13	ND	ND	ND	ND	23	ND	ND	75
16+50N-6+50E	.5	2.25	5	ND	114	ND	.24	.5	19	8	43	3.04	.05	.40	605	1	.07	10	.09	20	ND	ND	ND	ND	26	ND	ND	77
DETECTION LIMIT	.1	.1	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	3	1	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU 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	PD PPM	PT PPM	SB PPM	SM PPM	SR PPM	S PPM	V PPM	ZN PPM
16*30N-6*60E	.3	2.48	8	ND	140	ND	.21	.1	22	12	88	3.27	.03	.47	1022	3	.09	15	.06	116	ND	ND	4	ND	21	ND	ND	116
16*30N-6*70E	.3	2.19	14	ND	131	ND	.19	.1	19	21	81	3.26	.04	.55	486	2	.08	18	.13	24	ND	ND	3	1	23	ND	ND	80
16*30N-6*80E	.4	2.54	7	ND	143	ND	.24	.7	19	15	64	2.73	.04	.45	988	2	.06	12	.10	10	ND	ND	3	ND	27	3	ND	74
16*30N-6*90E	.1	2.51	7	ND	138	ND	.27	.9	17	17	70	3.01	.03	.62	569	2	.11	15	.10	21	ND	ND	5	ND	31	ND	ND	194
16*30N-7*00E	.4	2.99	ND	ND	157	ND	.26	.1	15	34	46	3.32	.03	.68	362	1	.09	29	.11	9	ND	ND	ND	ND	27	ND	ND	117
17*00N-5*00E	.1	2.00	3	ND	103	ND	.35	.3	6	13	134	2.60	.04	.44	526	1	.07	15	.14	14	ND	ND	ND	ND	38	ND	ND	90
17*00N-5*10E	.1	2.05	4	ND	75	ND	.24	.4	9	12	123	2.42	.04	.55	1086	2	.07	13	.04	18	ND	ND	ND	ND	27	ND	3	100
17*00N-5*20E	.2	2.90	6	ND	130	ND	.26	.3	11	17	55	2.73	.03	.53	553	2	.07	12	.17	14	ND	ND	ND	ND	29	ND	ND	101
17*00N-5*30E	.3	1.75	ND	ND	156	ND	.19	.5	9	9	19	2.04	.04	.20	1477	1	.05	7	.13	17	ND	ND	3	ND	26	4	4	96
17*00N-5*40E	.1	2.05	14	ND	116	ND	.23	.5	19	14	42	2.93	.03	.55	718	3	.08	11	.16	20	ND	ND	3	ND	25	ND	ND	104
17*00N-5*50E	.1	2.64	4	ND	110	ND	.19	.6	16	14	44	2.30	.04	.43	852	1	.06	11	.19	9	ND	ND	3	ND	27	3	3	89
17*00N-5*50E	.8	2.52	ND	ND	89	ND	.18	.3	11	16	28	2.27	.04	.47	451	1	.05	18	.11	7	ND	ND	ND	ND	20	ND	ND	77
17*00N-5*50EA	.2	2.13	ND	ND	80	ND	.18	.3	7	9	15	1.82	.03	.38	298	ND	.04	10	.08	8	ND	ND	3	ND	16	3	ND	52
17*00N-5*50EB	.2	2.23	ND	ND	118	ND	.21	.7	12	12	13	2.26	.04	.36	536	1	.06	10	.24	11	ND	ND	ND	ND	28	3	ND	92
17*00N-5*60E	.4	2.60	ND	ND	142	ND	.24	.4	23	13	35	2.31	.04	.32	793	2	.07	16	.35	8	ND	ND	ND	ND	32	3	ND	135
17*00N-5*60E	.5	2.57	9	ND	106	ND	.17	1.0	24	15	31	3.15	.03	.40	537	2	.08	18	.08	11	ND	ND	3	ND	21	4	ND	190
17*00N-5*70E	.2	1.33	ND	ND	59	ND	.16	.5	5	7	3	1.05	.03	.32	360	ND	.03	6	.09	7	ND	ND	ND	ND	14	6	3	56
17*00N-5*80E	.3	1.64	7	ND	125	ND	.12	.3	7	8	8	1.53	.02	.24	664	1	.05	8	.25	11	ND	ND	3	ND	16	4	4	105
17*00N-5*90E	.1	2.43	ND	ND	119	ND	.14	.9	9	10	11	2.50	.02	.25	563	1	.08	11	.43	18	ND	ND	ND	ND	14	ND	ND	137
17*00N-6*00E	.1	2.90	6	ND	72	ND	.13	.5	7	9	9	1.98	.02	.26	315	1	.05	9	.13	7	ND	ND	ND	ND	13	ND	ND	97
17*00N-6*00E	.2	1.54	3	ND	56	ND	.12	.6	6	9	8	1.74	.03	.25	506	ND	.04	15	.23	11	ND	ND	3	ND	12	4	5	78
17*00N-6*10E	.2	2.33	ND	ND	66	ND	.22	.7	10	13	17	2.36	.03	.41	464	1	.06	10	.07	10	ND	ND	4	ND	20	ND	ND	103
17*00N-6*20E	.7	2.11	5	ND	39	ND	.20	.3	12	11	39	2.33	.03	.33	254	2	.06	7	.10	7	ND	ND	ND	ND	20	ND	ND	78
17*00N-6*30E	.3	2.15	3	ND	77	ND	.17	.4	9	11	27	2.12	.05	.58	337	1	.03	10	.14	9	ND	ND	3	ND	17	ND	ND	75
17*00N-6*40E	.5	2.41	3	ND	108	ND	.16	.7	3	12	15	2.21	.03	.43	518	1	.06	11	.19	10	ND	ND	3	ND	18	ND	3	33
17*00N-6*50E	.4	2.55	ND	ND	131	ND	.26	.2	10	12	27	2.35	.02	.50	553	ND	.06	12	.10	7	ND	ND	ND	ND	25	ND	ND	93
17*00N-7*00E	.1	2.53	ND	ND	178	ND	.26	.1	14	16	76	2.86	.01	.76	446	1	.08	13	.14	2	ND	ND	ND	ND	26	ND	ND	86
17*00N-5*00E	.1	2.15	10	ND	166	ND	.35	1.0	15	14	72	3.77	.03	.41	2404	2	.13	23	.14	19	ND	ND	ND	ND	43	ND	ND	192
17*00N-5*10E	.1	1.25	8	ND	102	ND	.25	.7	13	25	39	3.39	.02	.34	723	2	.11	17	.16	9	ND	ND	ND	ND	28	ND	4	157
17*00N-5*20E	.1	2.34	ND	ND	121	ND	.20	.8	11	16	29	2.60	.02	.50	712	1	.09	14	.25	9	ND	ND	ND	ND	23	ND	ND	132
17*00N-5*30E	.1	3.12	4	ND	103	ND	.27	.6	12	18	33	2.70	.02	.72	442	2	.03	17	.13	8	ND	ND	ND	ND	31	ND	4	132
17*00N-5*40E	.1	2.24	12	ND	142	ND	.30	.5	23	20	73	3.13	.01	.68	1086	2	.10	18	.20	9	ND	ND	ND	ND	35	ND	ND	121
17*00N-5*50E	.1	2.78	5	ND	87	ND	.17	.1	19	13	63	2.93	.02	.62	770	2	.07	13	.10	2	ND	ND	ND	ND	20	ND	ND	76
17*00N-5*60E	.4	2.29	8	ND	115	ND	.23	.5	25	19	51	2.99	.02	.50	917	2	.07	20	.11	10	ND	ND	ND	ND	28	ND	ND	87
17*00N-5*70E	2.4	2.44	7	ND	65	ND	.23	1.0	13	11	30	2.68	.03	.22	547	2	.05	12	.04	10	ND	ND	ND	ND	22	ND	ND	66
17*00N-5*80E	.1	2.54	5	ND	73	ND	.31	.3	22	17	35	3.56	.04	.39	308	3	.08	30	.08	7	ND	ND	ND	ND	26	ND	ND	92
17*00N-5*90E	.2	2.13	8	ND	65	ND	.13	.5	8	9	12	1.58	.02	.29	321	1	.05	7	.11	8	ND	ND	ND	ND	14	ND	3	33
17*00N-5*00E	.1	2.29	5	ND	85	ND	.13	.1	7	9	11	2.07	.02	.34	240	1	.06	10	.20	7	ND	ND	ND	ND	15	ND	ND	101
17*00N-5*10E	.1	2.42	4	ND	74	ND	.13	.6	7	9	10	1.58	.01	.16	231	2	.06	11	.16	11	ND	ND	ND	ND	14	ND	4	102
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	1	1	5	3	1

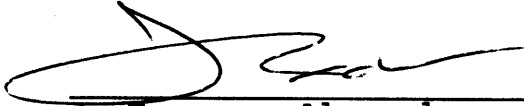
SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	V PPM	ZN PPM
07-20N-6100E	3.3	1.36	7	ND	59	3	.14	.2	6	6	7	1.62	.04	.23	298	2	.03	7	.18	15	ND	ND	ND	ND	14	5	4	61
07-20N-6100E	.4	2.07	6	ND	75	ND	.11	.1	7	9	32	1.84	.04	.27	253	1	.05	11	.17	17	ND	ND	ND	ND	12	3	ND	94
07-20N-6140E	.4	1.12	4	ND	48	3	.16	.5	5	6	7	1.37	.04	.36	216	1	.02	8	.04	12	ND	ND	3	2	15	ND	3	44
07-20N-6150E	.3	2.26	ND	ND	97	ND	.15	.1	6	9	9	1.85	.04	.27	351	1	.05	9	.12	10	ND	ND	ND	ND	15	ND	4	79
07-20N-6150E	1.1	2.93	ND	ND	129	3	.22	.1	12	17	54	2.86	.06	.82	315	1	.07	15	.07	11	ND	ND	ND	ND	21	ND	ND	90
07-20N-6170E	.7	1.97	3	ND	166	ND	.29	.1	12	16	47	2.73	.05	.76	578	1	.08	14	.20	15	ND	ND	ND	ND	26	ND	ND	92
07-20N-6180E	.2	2.77	ND	ND	183	4	.24	.1	17	23	121	3.70	.06	1.64	430	2	.10	20	.06	2	ND	ND	ND	ND	25	ND	ND	53
07-20N-6190E	.1	2.51	ND	3	157	ND	.27	.1	23	25	127	4.09	.06	1.40	644	2	.10	17	.09	16	ND	ND	ND	ND	31	ND	ND	56
07-20N-7100E	.3	2.57	ND	ND	149	3	.26	.1	19	19	81	3.04	.05	.96	455	1	.08	22	.14	7	ND	ND	ND	ND	31	ND	ND	77
07-20N-5100EA	.5	2.41	ND	ND	97	ND	.16	.7	14	16	28	2.55	.05	.45	405	1	.08	13	.24	10	ND	ND	ND	ND	19	6	ND	136
07-20N-5100EB	.2	1.71	9	ND	31	ND	.12	.5	10	12	17	2.24	.04	.36	438	2	.07	9	.28	11	ND	ND	ND	ND	14	3	ND	104
07-20N-5110E	.2	2.20	3	ND	64	3	.22	.2	11	23	47	2.40	.04	.65	321	1	.07	16	.06	10	ND	ND	ND	ND	22	ND	ND	103
07-20N-5120E	.1	1.86	ND	ND	63	ND	2.78	2.8	6	5	65	1.65	.04	.26	1219	1	.05	14	.08	45	ND	ND	ND	ND	131	ND	5	104
07-20N-5130E	.7	2.40	ND	ND	84	ND	.37	.6	14	25	167	1.93	.05	.36	470	2	.03	10	.16	12	ND	ND	ND	ND	45	ND	ND	118
07-20N-5140E	.1	1.25	3	ND	52	ND	.25	.8	13	25	57	1.35	.04	.53	291	1	.05	22	.04	15	ND	ND	ND	1	25	ND	ND	63
07-20N-5150E	.9	1.20	6	ND	166	ND	.61	.4	13	34	429	1.25	.07	.73	923	4	.13	73	.04	33	ND	ND	ND	ND	48	ND	ND	106
07-20N-5160E	.1	2.19	4	ND	118	ND	.16	.4	24	21	57	3.55	.05	.66	958	3	.10	23	.09	17	ND	ND	ND	ND	26	ND	ND	109
07-20N-5170E	.4	2.15	ND	ND	91	ND	.24	.3	12	15	32	1.26	.05	.43	627	2	.07	20	.15	21	ND	ND	ND	ND	21	ND	ND	103
07-20N-5180E	.4	2.19	ND	ND	77	ND	.19	.6	11	17	25	2.20	.04	.45	559	1	.06	17	.11	17	ND	ND	ND	ND	2	19	ND	95
07-20N-5190E	.1	3.26	ND	ND	124	3	.29	.1	22	43	222	4.70	.06	2.12	584	2	.15	28	.10	2	ND	ND	ND	ND	27	ND	ND	104
07-20N-6100E	.2	1.85	3	ND	84	ND	.16	.5	9	10	12	1.83	.04	.27	540	2	.06	18	.18	13	ND	ND	ND	ND	17	4	ND	114
07-20N-6110E	.2	2.17	4	ND	72	ND	.13	.3	9	11	11	2.28	.04	.30	466	2	.08	12	.37	18	ND	ND	ND	ND	15	3	ND	137
07-20N-6120E	.3	1.69	3	ND	78	ND	.15	1.0	10	14	16	2.27	.04	.41	319	2	.07	14	.19	16	ND	ND	ND	ND	16	4	ND	119
07-20N-6130E	.6	2.60	3	ND	111	ND	.10	.3	10	11	16	2.12	.03	.25	341	1	.07	9	.25	14	ND	ND	ND	ND	12	ND	ND	125
07-20N-6140E	.2	2.51	ND	ND	75	ND	.14	.2	7	9	10	1.94	.03	.38	475	1	.05	10	.19	12	ND	ND	ND	ND	15	ND	ND	101
07-20N-6150E	.4	2.64	3	ND	74	ND	.17	1.2	9	9	11	1.39	.04	.27	286	1	.07	9	.21	13	ND	ND	ND	ND	17	ND	ND	135
07-20N-6160E	.2	1.75	ND	ND	79	ND	.15	.5	7	5	7	1.74	.04	.29	350	ND	.05	10	.15	15	ND	ND	ND	ND	16	ND	ND	97
07-20N-6170E	.8	2.01	ND	ND	123	ND	.20	.2	11	19	46	1.25	.05	.57	220	1	.04	16	.05	4	ND	ND	ND	ND	21	3	ND	60
07-20N-6180E	.3	2.34	ND	ND	110	ND	.28	.1	17	24	124	3.66	.06	1.24	388	1	.08	16	.09	7	ND	ND	ND	ND	28	ND	ND	66
07-20N-6190E	.6	2.51	ND	ND	125	ND	.21	.3	29	31	143	3.85	.05	1.52	527	1	.14	27	.07	24	ND	ND	ND	ND	21	ND	ND	184
07-20N-7100E	.2	1.72	ND	ND	119	ND	.20	.3	18	15	53	2.23	.03	.64	280	1	.09	20	.19	5	ND	ND	ND	ND	19	ND	ND	92
07-20N-5100EA	.2	2.79	ND	ND	105	ND	.20	.1	11	15	22	2.47	.04	.58	538	1	.08	13	.16	16	ND	ND	ND	ND	20	ND	ND	127
07-20N-5100EB	.2	2.77	4	ND	99	ND	.15	.2	11	15	20	2.30	.04	.35	925	1	.06	13	.20	11	ND	ND	ND	ND	17	ND	ND	98
07-20N-5110E	.1	2.27	ND	ND	118	ND	.33	.1	21	27	129	4.03	.04	1.53	678	2	.12	24	.13	5	ND	ND	ND	ND	43	ND	ND	117
07-20N-5120E	.1	2.97	ND	ND	105	ND	.26	1.2	16	20	74	3.29	.04	.65	763	1	.10	19	.17	21	ND	ND	ND	ND	31	ND	ND	126
07-20N-5130E	.1	2.81	4	ND	138	ND	.88	1.6	18	23	149	3.34	.06	.73	2347	2	.13	47	.07	32	ND	ND	ND	ND	54	ND	ND	212
07-20N-5140E	.1	2.37	ND	ND	63	ND	.45	.5	13	20	67	2.86	.05	.76	533	1	.09	23	.08	11	ND	ND	ND	ND	34	ND	ND	126
07-20N-5150E	.1	1.33	ND	ND	34	ND	.24	.4	11	14	25	2.43	.02	.36	372	1	.09	13	.14	17	ND	ND	ND	ND	2	21	ND	151
07-20N-5160E	1.7	4.32	ND	ND	161	ND	.57	.5	21	29	330	4.16	.05	1.33	550	2	.13	23	.11	12	ND	ND	ND	ND	55	ND	ND	182
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	1	1	1	5	3	

SAMPLE NAME	AG PPM	AL %	AS PPM	AR PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MM PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	V PPM	ZN PPM
07-00N-5470E	.9	2.40	11	ND	73	ND	.47	.4	13	27	136	2.88	.04	.91	511	5	.08	26	.04	25	ND	ND	4	1	35	ND	ND	97
07-00N-5490E	.6	2.23	11	ND	63	ND	.17	.3	7	10	17	1.87	.04	.37	277	3	.05	10	.13	26	ND	ND	5	ND	15	3	ND	100
07-00N-5490E	.4	3.36	12	ND	67	ND	.23	.5	23	26	110	3.78	.03	1.04	626	4	.14	27	.06	29	ND	ND	3	1	21	ND	ND	188
07-00N-5490E	.5	2.15	12	ND	72	ND	.12	.8	9	11	14	2.01	.02	.34	316	3	.07	11	.20	30	ND	ND	6	ND	12	3	ND	101
07-00N-5490E	.1	1.86	5	ND	73	ND	.13	.1	5	3	3	1.81	.01	.23	359	2	.03	7	.15	9	ND	ND	ND	ND	18	ND	ND	101
07-00N-5490E	.1	2.06	ND	ND	137	ND	.10	.1	6	8	11	1.63	.01	.27	550	1	.10	6	.28	9	ND	ND	ND	ND	14	ND	ND	126
07-00N-5490E	.1	2.71	3	ND	85	ND	.10	.6	2	3	12	1.53	.01	.21	346	1	.10	12	.16	16	ND	ND	ND	ND	14	ND	ND	117
07-00N-5490E	.1	2.61	3	ND	145	ND	.13	.4	8	10	14	2.12	.01	.32	530	1	.12	8	.11	10	ND	ND	ND	ND	17	ND	ND	175
07-00N-5490E	.1	1.23	6	ND	67	ND	.11	.1	3	6	6	1.42	.01	.23	422	2	.07	2	.12	11	ND	ND	ND	ND	13	ND	ND	82
07-00N-5490E	.1	2.14	6	ND	71	ND	.09	.1	4	6	7	1.76	.01	.16	391	1	.08	3	.22	11	ND	ND	ND	ND	11	ND	ND	30
07-00N-5490E	.1	2.42	4	ND	86	ND	.12	.1	5	6	6	1.98	.01	.26	377	1	.03	3	.28	4	ND	ND	ND	ND	13	ND	ND	122
07-00N-5490E	.1	1.18	5	ND	82	ND	.12	.1	3	7	7	1.42	.01	.24	473	ND	.07	4	.15	5	ND	ND	ND	ND	14	ND	ND	39
07-00N-5490E	.1	1.54	5	ND	62	ND	.14	.1	3	9	9	1.61	.01	.31	296	ND	.08	5	.09	1	ND	ND	ND	ND	15	ND	ND	33
07-00N-5490E	.1	1.86	5	ND	92	ND	.22	.1	7	15	27	2.20	.01	.53	405	1	.10	12	.14	6	ND	ND	ND	ND	20	ND	ND	100
07-00N-5490E	.1	1.40	6	ND	108	ND	.22	.1	6	17	14	1.88	.01	.61	257	1	.07	17	.07	7	ND	ND	ND	ND	23	ND	ND	49
07-00N-5490E	.1	1.61	8	ND	92	ND	.16	.1	4	8	11	1.69	.01	.24	517	1	.06	5	.19	11	ND	ND	ND	ND	18	ND	ND	66
07-00N-5490E	.1	4.31	ND	ND	94	ND	.12	.2	9	10	19	2.27	.01	.27	505	2	.10	13	.22	ND	ND	ND	ND	ND	13	ND	ND	122
07-00N-5490E	.1	1.75	7	ND	81	ND	.10	.1	6	8	9	1.83	.01	.18	745	1	.08	6	.20	12	ND	ND	ND	ND	10	ND	ND	102
07-00N-5490E	.1	3.95	8	ND	75	ND	.25	.1	12	18	43	3.09	.02	.62	313	2	.12	18	.07	ND	ND	ND	ND	ND	22	ND	ND	149
07-00N-5490E	.1	3.22	ND	ND	71	3	.36	.1	16	24	201	3.36	.03	.78	582	3	.12	32	.03	9	ND	ND	ND	ND	32	ND	ND	156
07-00N-5490E	.1	3.11	10	ND	56	ND	.22	.1	13	23	33	3.50	.03	.71	303	3	.12	28	.08	6	ND	ND	ND	ND	20	ND	ND	129
07-00N-5490E	.1	1.72	8	ND	55	ND	.25	.1	8	15	42	2.32	.02	.54	456	1	.09	12	.04	5	ND	ND	ND	ND	22	4	ND	34
07-00N-5490E	.1	2.05	9	ND	47	ND	.19	.1	5	11	19	2.02	.02	.32	264	1	.07	3	.05	3	ND	ND	ND	ND	17	6	ND	32
07-00N-5490E	.1	1.31	5	ND	52	3	.16	.1	5	10	11	1.70	.02	.38	243	2	.06	5	.07	10	ND	ND	ND	ND	15	7	ND	51
07-00N-5490E	.1	3.01	10	ND	72	ND	.14	.1	10	14	15	3.06	.04	.56	350	2	.10	9	.26	7	ND	ND	ND	ND	16	5	ND	122
07-00N-5490E	.1	2.73	ND	ND	103	ND	.14	.1	5	9	15	1.97	.03	.28	261	1	.08	9	.26	2	ND	ND	ND	ND	15	8	ND	114
07-00N-5490E	.1	1.54	6	ND	59	ND	.12	.1	3	8	13	1.74	.02	.23	377	ND	.06	4	.19	1	ND	ND	ND	ND	13	9	ND	82
07-00N-5490E	.1	1.80	10	ND	56	3	.09	.1	4	7	9	1.77	.02	.23	244	1	.06	7	.19	6	ND	ND	ND	ND	10	10	3	79
07-00N-5490E	.1	1.40	9	ND	59	3	.16	.1	9	13	22	2.23	.04	.56	346	1	.08	9	.13	5	ND	ND	4	ND	15	10	ND	39
07-00N-5490E	.1	1.31	5	ND	40	ND	.16	.1	2	7	12	1.43	.03	.25	160	1	.04	4	.05	5	ND	ND	ND	ND	12	12	5	32
07-00N-5490E	.1	1.31	7	ND	67	ND	.14	.1	4	11	13	1.67	.03	.25	303	1	.06	5	.10	7	ND	ND	ND	ND	14	12	ND	31
07-00N-5490E	.1	1.27	5	ND	76	ND	.18	.1	2	9	14	1.77	.04	.37	242	ND	.05	5	.09	ND	ND	ND	ND	ND	16	13	2	31
07-00N-5490E	.1	1.42	5	ND	72	4	.20	.1	4	9	15	1.77	.04	.37	263	ND	.05	6	.12	6	ND	ND	3	ND	17	13	1	32
07-00N-5490E	.1	1.61	10	ND	123	ND	.20	.1	7	12	48	2.05	.05	.47	532	1	.08	9	.11	5	ND	ND	3	ND	22	12	ND	143
07-00N-5490E	.1	1.41	3	ND	79	3	.15	.1	6	12	8	1.78	.04	.33	216	1	.07	6	.13	6	ND	ND	4	ND	17	15	4	122

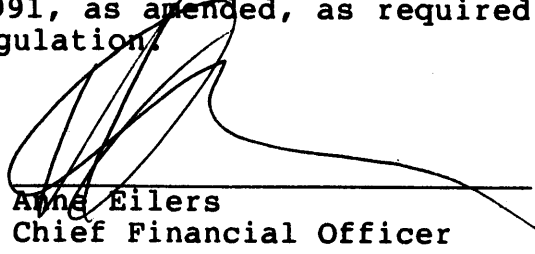
CERTIFICATE OF THE ISSUER

Dated: June 10, 1992

The foregoing constitutes full, true and plain disclosure of all material facts relating to the securities offered by the Prospectus dated December 18, 1991, as amended, as required by the Securities Act and its Regulation.



J. Terrence Alexander
Chief Executive Officer




Anne Eilers
Chief Financial Officer

ON BEHALF OF THE BOARD OF DIRECTORS

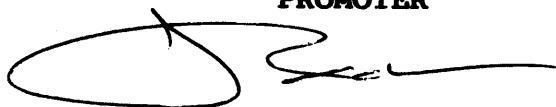


Douglas E. McRae
Director



David M. Patterson
Director

PROMOTER



J. Terrence Alexander