

LOG NO: 1206	NO.
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ASSESSMENT REPORT
FOR
GEOLOGY AND SOIL GEOCHEMISTRY
OF THE
SPANISH CREEK PROPERTIES

Mineral Claims:

EAGLE -

Teddy
B.B.
Ted
Eagle 1
Eagle 2

HOBSON -

Hobson 1
Hobson 2
Sly Fox I
Eagle 3
Eagle 4

Cariboo Mining division
NTS 93A/11
Lat. 52°37'00"
Long. 121°22'00"
16

Owner: Merle Matherly,
Box 422,
150 Mile House, B.C.
VOK 2G0

Operators: Merle Matherly, Sherah Paterson,
Box 422,
150 Mile House, B.C.
VOK 2G0

Report by: Merle Matherly, Sherah Paterson

GEOLOGICAL BRANCH
November 15th 1989 **ASSESSMENT REPORT**

19,415

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1.0 SUMMARY

Mr. Merle Matherly and Ms. Sheran Paterson have held and worked the properties along Spanish Creek since 1987. The properties are believed to be underlain by favourable geology that will host several lode gold deposits. The ground is at a relatively preliminary development stage, and ore grade gold mineralization has not yet been clearly defined, though anomalous levels of gold, silver, copper, lead, and zinc values have been determined.

The Spanish Creek Project properties consist of over 4550 hectares from which two claim blocks are formed, wholly owned by Merle Matherly. The properties are located 110 kilometres northeast from the city of Williams Lake, in north-central British Columbia.

During the period between June 1, 1989 and October 1, 1989, Merle Matherly and Sheran Paterson executed a work program of almost 30 square kilometres (3000 hectares) of geologic mapping, collection of seventeen hand-pick specimens (rock) and five hundred and forty soil samples which were subsequently analyzed for gold, silver, copper, lead, and zinc. These surveys covered about 75% of the primary claim blocks. Employment of the program was to establish a database to aid in targeting areas for more detailed surveys.

Outcrop on the Spanish Creek properties is relatively abundant, particularly along road cuts and stream channels. Geologic mapping indicates that the properties are almost entirely underlain by middle Triassic to early Jurassic sedimentary and volcanic rocks of the Quesnel Terrane. Hadrynian to early Paleozoic metasediments of the Snowshoe Group, occur in the eastern portions of the properties.

The main rock units comprising the properties are: Triassic Cariboo Series black phyllite; Mississippian to early Permian, Crooked Amphibolite mafic volcanic; green volcanic breccia (marine origin); complex sericite alteration; dolomitic mass with associated mariposite. Mineralization may be due to related fault structures and contacts of different rock units.

High grade copper mineralization has been defined at several locations on the property. Significant gold-in-soil anomalies as well as silver, copper, lead, and zinc anomalies, which warrant follow-up, were determined.

2.0 DESCRIPTION OF PROPERTIES

2.1 Objectives

The target mineralization on the properties is gold. Thrust zones and known faults are of particular interest with some emphasis on contacts between rock units. The 1989 work projects were to systematically geologic map and soil sample the mid portion of the properties. This would provide a database to aid in targeting areas for more detailed work such as IP surveys, trenching, or drilling.

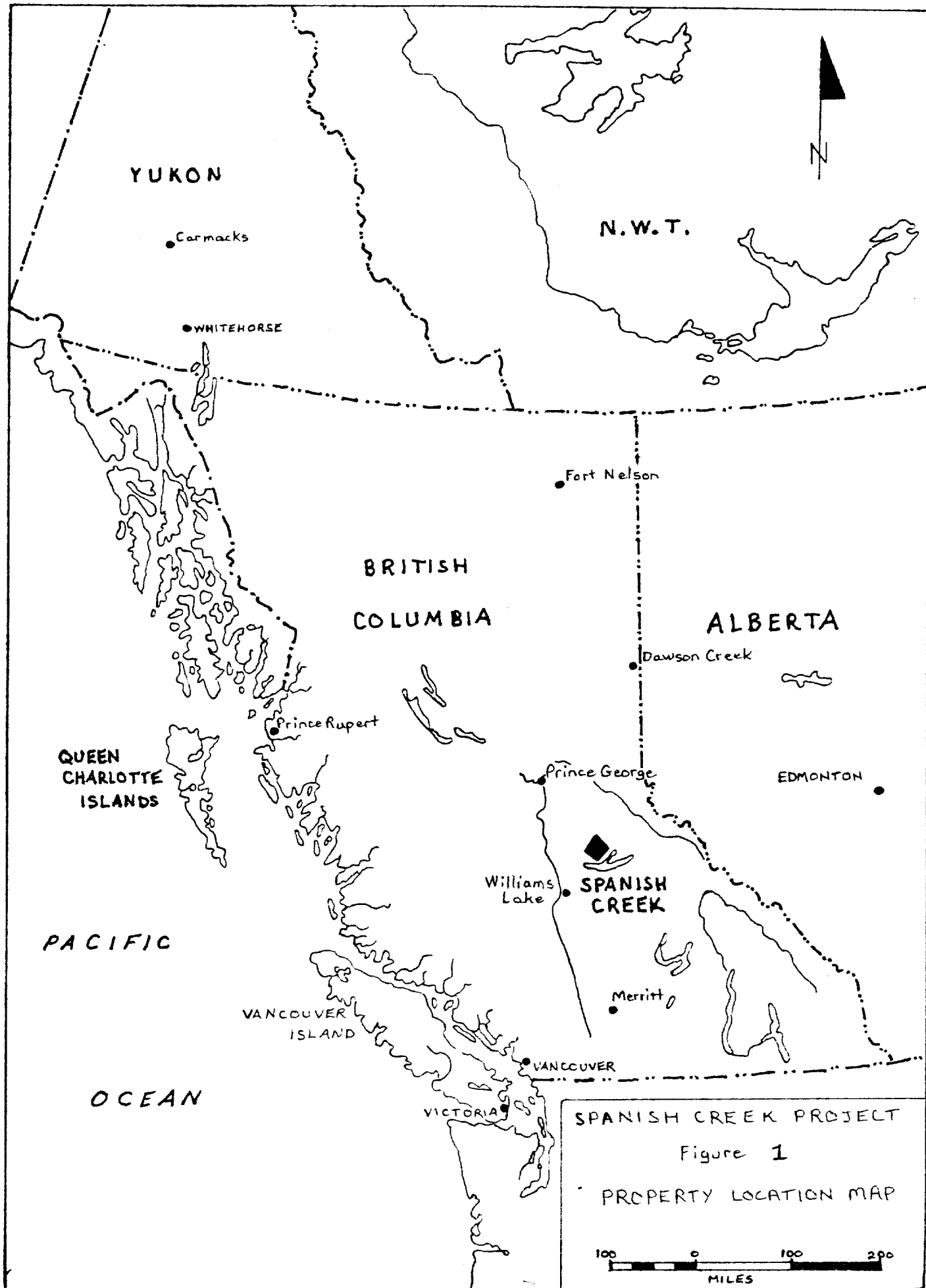
The work program described in this report was employed during the period between June 1, 1989 and October 1, 1989.

2.2 Location and Access

The Spanish Creek properties are located 110 kilometres northeast from Williams Lake, B.C., NTS map sheet 93A/11 (Figure 1.)

The properties lie on the east and west flanks of Upper Spanish Creek between Mount Brew and Blackbear Mountain, covering ground from Shoal's Bay, Quesnel Lake, over 10 kilometres north to Upper Sellers Creek, and northwest to Collins Creek at Cariboo River.

These claims are mainly accessed by the 1300 (Spanish Lake) Forestry Road from Likely, going past the airstrip to kilometre 1320 1/2 road junction, where further access is gained by turning west on "BB" or north on Shiney Mineral forestry cut off roads. Old and new logging roads provide excellent access through the properties.



YUKON

Carmacks

WHITEHORSE

N.W.T.



BRITISH COLUMBIA

ALBERTA

Fort Nelson

Dawson Creek

QUEEN CHARLOTTE ISLANDS

Prince Rupert

EDMONTON

Prince George

Williams Lake

SPANISH CREEK

PACIFIC

Merritt

VANCOUVER ISLAND

VANCOUVER

OCEAN

VICTORIA

SPANISH CREEK PROJECT

Figure 1

PROPERTY LOCATION MAP



3.0 PHYSIOGRAPHY AND CLIMATE

The properties are situated northwest from the north shore of Quesnel Lake. This region is fairly mountainous terrain of moderate to steep relief with elevations averaging 1200 to 1600 metres, with the exception of Mount Brew whose height reaches up to 2000 metres.

The environment offers many water courses and lakes and is well forested with spruce, fir, pine, cedar, and poplar trees and foliated with broadleaf vegetation. Almost 50% of the properties are clear cut from logging activities.

Reasonable weather conditions for exploration work may be expected from mid June to mid October. Winter snow pack can occasionally reach three to five metres.

4.0 CLAIM STATUS

4.1 Assessment Statement

For assessment purposes, the claims have been divided to form two individual claim blocks, HOBSON claim group (100 units) and EAGLE claim group (82) units), totalling 4550 hectares. The 1989 work program was conducted over both groups and covered about 3000 hectares. Assessment work is accordingly applied on HOBSON group at 60% and on EAGLE group at 40%.

The Spanish Creek properties are 10 contiguous claims totalling 182 units as shown on Figures 2 and 3, and as listed in Table 1. The expiry dates listed in Table 1 take into account the work described in this report being accepted for assessment credit as applied. The claims are wholly owned by Merle Matherly.

Table 1 - Mineral Claim Schedule

EAGLE GROUP

<u>Claim Name</u>	<u>No. of Units</u>	<u>Record No.</u>	<u>Expiry Date</u>
Teddy	4	9295	Aug. 22/92
B.B.	18	8603	Sept.18/91
Ted	20	9221	June 28/91
Eagle 1	20	9761	May 24/91
Eagle 2	20	9762	"

HOBSON GROUP

<u>Claim Name</u>	<u>No. of Units</u>	<u>Record No.</u>	<u>Expiry Date</u>
Hobson 1	20	8753	Oct.28/91
Hobson 2	20	8754	"
Sly Fox I	20	9869	July 9/91
Eagle 3	20	9763	May 25/91
Eagle 4	20	9764	"

Coyote 1
9873



Scale 1:31680



Claims Map
NTS 93 A/11W
BLACKBEAR MOUNTAIN
(A Block)

OTTO V
9284 (8)
5N x 4W

Eagle 1
9761

Eagle 2
9762

EA

TEDDY
9295 (B)
4S x 1E

58662

16911

99730

80408

B. B.
8603 (9)
3N x 6W

EA

TED
9221 (6)
4S x 5W

HOBSON 2
8754 (10)
4N x 5W

80404

80406
80406

Creek

HOBSON 1
8753 (10)

(B Block)

Claims Map
NTS 93 A/11E+W
MOUNT BREW
SCALE 1:51680
800 1600
1 inch = approximate meters

FIG. 3

MT. BRE

Eagle 2
9762

EAGLE 3
9763

TEDDY
9295(B)
45X1E

TO WEST SEE MAP 93A/11W

HOBSON 2
8754 (10)
4N X 5W

EAGLE 4
9764

HOBSON 1
8753 (10)
45X5W

Creek

89407
80406

Sly Fox I
9869

Sly Fox II

4N X 5W

4N X 5E

9870

Svanista
SAM I
8776 (10)
4N X 5E

80408

9972

71425

up up
down down

5.0 HISTORY

Placer testing has taken place in the area as early as the late 1800's and both placer and mineral claims have been in existence since the early 1930's. Merle Matherly and Sheran Paterson staked along Spanish Creek in 1981 and restructured the claims in 1987. In private agreement, partners: Sheran Paterson and Ernie Niquidet, transferred wholly, all mineral claim titles to Merle Matherly in the Fall, 1989.

Early work, 1981 to 1983, produced rock samples anomalous in silver and lead. This encouraged pursuit of further exploration. An exploration program undertaken in 1987 located discoveries of silver and lead values in sericite shear zones, and gold and copper values in quartz ankerite lenses in chlorite-rich zones. Follow-up geologic mapping and sampling in 1988 produced strong values in copper, gold, silver, lead, and zinc (ref. Assessment Reports No. 17751, 17912) that warranted the application of the 1989 exploration.

6.0 DESCRIPTION OF WORK PROGRAM

6.1 Geologic Mapping and Sampling

Contacts between rock units were traversed over 17 kilometres and mapped at 1:10,000 then replotted at 1:20,000 scale (Appendix 1). These were mapped along soil grid lines and along traverses designed to identify these contacts. Eighteen hand picked rock specimens were collected of which 17 were analyzed. Outcrops were numerous along new and old roads in logged cut blocks.

6.2 Soil Sampling

The "B" horizon was sampled and analyzed for gold, silver, copper, lead, and zinc. This horizon was primarily of shallow depth, 10 to 30 centimetres, orange or red brown in colour, and generally well developed and easily recognized as sandy clay and/or silt.

A grid base line, trending east-west for 7800 metres was sampled at 100 metre intervals where samples were taken with narrow bladed short handled (tree planting) shovels. Twenty-two 1000 metre intersecting grid lines (odd numbered identity) spaced 200 metres apart were sampled at 50 metre intervals for 500 metres north and south of the base line, during which 488 soil samples were collected over 22,000 metres.

Follow-up of anomalous gold-in-soil values was conducted in the northeast corner of the grid. All existing north running lines and six new 100 metre spaced fill-in lines, were extended to 600 metres north. An additional 52 soils were collected over 2600 metres. Therefore, a total of 540 soil samples were collected.

Samples were placed in brown kraft paper envelopes, and marked with line and station for identification. Notes were taken at each sample site regarding site conditions, sample depth, soil composition and grain size, and rock fragment composition.

Samples were shipped to Eco-Tech Laboratories, Kamloops, B.C. Analytical methods are described in Appendix II.

7.0 REGIONAL GEOLOGY

The project area lies within the Quesnel Terrane of the Intermontane Belt, where the Eureka Thrust fault defines the boundary between the Omineca and Intermontane tectonic belts (et al. Geological Fieldwork: Andre Pentleyev, Mary Anne Bloodgoode, 1986 & 1987), (et al. Structural Geology of the Cariboo Gold Mining District, East-Central British Columbia: L. C. Struik, 1988).

The Quesnel Terrane (Quesnellia) consists of Triassic and Jurassic pelitic and volcanic rock lying west of the Slide Mountain (Crooked Amphibolite) and Barkerville terranes. The boundary with the Slide Mountain Terrane may be depositional, unlike the faults that bound other terranes. Quesnellia extends north and south beyond the limits of the map area (Tipper, 1984). Although it overlies the Crooked Amphibolite it is not known to overlie the Antler Formation.

8.0 PROPERTY GEOLOGY

The property geology as determined by this work program is shown on Appendix I.

Five main rock units and two lesser units have been mapped and identified.

8.1 Unit 1

- Chlorite schist - Crooked Amphibolite mafic volcanic, Mississippian to early Permian
- Occurs for at least four kilometres east-west and one kilometre north-south through TED, TEDDY, HOBSON 2 claims.
 - In contact with phyllite unit and Snowshoe Group rocks.
 - Also located north at Sellers Creek and northwest to Collins Creek at Cariboo River.
 - Horizontal beds, epidote veins, copper-rich throughout (chalcopyrite, bornite), chlorite-rich, much carbonated (ankerite, siderite), silica lenses.

8.2 Unit 2

- Black phyllite - Triassic, Cariboo Series.
- Covers most of remaining ground.
 - Four recognized units: greasy, graphitic phyllite with pyrites/carbonated coated vesicles in light honey-combed phyllite/metal sulphide banded, carbonated, graphitic phyllite/knotty phyllite with carbonate nodule fillings.
 - Contact with amphibolite and marine volcanic breccia rock units defined by dolomitic masses with associated mariposite.
 - Commonly contains veins and lenses of quartz.

8.3 Unit 3

- Sericite schist - Known alteration blocks segregating amphibolite contacts with phyllite units and Snowshoe Group rocks.

- Contact with amphibolite unit defined by dolomitic masses with associated mariposite.
- Commonly contains veins and lenses of quartz.

8.4 Unit 4

Volcanic Breccia- Occurs west of properties and trends northwest.

- Green, marine origin.
- Carbonated, silica-rich.
- Mineralization unknown.

8.5 Unit 5

Snowshoe Group - Proterozoic - early Paleozoic.

- Occurs east of claims.
- Quartzites, muscovite, and biotite micas.
- In contact with amphibolite unit.
- Contains quartz veins with galena.

Dolomitic mass - With mariposite.

- Occurs at contacts between different rock types.

Feldspar quartz porphyry

- Occurs at several locations in amphibolite, black phyllite, sericite alteration rock units.
- Mineralization unknown.

9.0 MINERALIZATION

The property has four recognized types of mineralization, quartz veining, quartz ankerite lenses, disseminated copper, and dolomitic mass with mariposite. The hand picked rock specimen results are located in Appendix III.

The quartz veining is of two kinds; silver/lead/zinc and copper/gold. The silver/lead/zinc is found in disseminations throughout quartz veins that trend 300 degrees north. Gold is also known to come in this type. Rock samples analyzed have values up to 1046 ppb in gold, 488.25 ppm in silver, 240000 ppm in lead, and 6400 ppm in zinc. These quartz veins are numerous along sericite shearing.

The copper/gold types is found in chlorite schist and black phyllite. They are a disseminated variety in quartz swellings. Rock samples analyzed have values up to 1200 ppb in gold and 21920 ppm in copper.

Type 2 - Quartz, ankerite lenses are widespread throughout chlorite rich host rocks. This rock group is on a 300 degree north trend with a length of four kilometres and a width of one kilometre. Rock samples analyzed have values up to 560 ppb in gold, 11776 ppm in copper, 7.2 ppm in silver, and 498 ppm in zinc.

Type 3 - Disseminated copper is distributed between leaves of chlorite schist and is identified by malachite staining. This type is located between the two east arms of Spanish Creek. Rock samples analyzed have values up to 6800 ppm in copper.

Type 4 - Dolomitic mass with mariposite is found on a 300 degree north trend crossing Spanish Creek. The main zone of mariposite is sandwiched between the sericite schist and the chlorite schist. Rock samples analyzed have values up to 70 ppb in gold, 2700 ppm in copper, 237.8 ppm in silver, 91000 ppm in lead, and 329 ppm in zinc.

10.0 SOIL GEOCHEMISTRY

The soil geochemistry results of the 540 soil sample survey are listed in Appendix IV. A statistical summary and histogram plots for each metal are presented in Appendix V. Location plots for each metal, with the size of the plot symbol scaled to the magnitude of the geochem values are shown on Appendix VI. Anomalous trends and anomalous areas may be interpreted on these plots.

Statistical analysis of the determined soil metal values was undertaken to determine threshold levels. These threshold levels can be used to separate the anomalous population from the background values. The following thresholds were determined: gold 25 ppb, silver 1.5 ppm, copper 120 ppm, lead 45 ppm, and zinc 250 ppm.

Generally gold appears to behave independently while the other four metals have a better degree of correlation.

10.1 Results

Gold values range from less than the detection limit of 5 ppb to a maximum of 75 ppb. Approximately 21% of the samples returned values less than the detection limit, and about 5.5% of the samples had values in excess of the 25 ppb threshold level.

Two strong gold value trends were identified. They are from line 3+00 East at about 3+00 South to line 19+00 East at approximately 5+00 North, and from lines 39+00 and 40+00 East at the base line to 5+00 North. Other narrow trends and spot anomalies are defined by anomalous gold values (Appendix VI).

Silver values ranged from less than the detection limit of .1 ppm to a maximum of 6.2 ppm. Approximately 13.5% of the samples returned values less than the detection limit, and about 4.5% of the samples had values in excess of the 1.5 ppm threshold level. Three anomalous silver value trends that may be considered are; the line 1+00 West at about 3+00 North to line 1+00 East at 4+50 North, the trend from line 5+00 East at about 4+00 South to line 9+00 East at 5+00 South, and the trend from line 27+00 East at about 3+50 North to line 31+00 East at 5+00 North. Other narrow trends and spot anomalies are defined by anomalous silver values (Appendix VI).

Copper values ranged from 8 ppm to 580 ppm. Approximately 3% of the samples returned values in excess of the 120 ppm threshold level. A strong anomalous copper value trend appears on line 15+00 East to station 5+00 North and extends west to line 13+00 East at 0+50 North and east to line 17+00 East at 4+00 North. Other narrow trends and spot anomalies are defined by anomalous copper values (Appendix VI).

Lead values range from 2 ppm to 985 ppm. Approximately 5% of the samples returned values in excess of the 45 ppm threshold level. A strong anomalous lead value trend appears on line 19+00 East extending to 1+50 North and to 2+50 South. Other narrow trends and spot anomalies are defined by anomalous lead values (Appendix VI).

Zinc values range from 24 ppm to 600 ppm. Approximately 4% of the samples returned values in excess of the 250 ppm threshold level. A strong zinc anomalous value

trend appears from line 3+00 East at about 1+00 North to line 9+00 East at approximately 1+00 South. Other narrow trends and spot anomalies are defined by anomalous zinc values (Appendix VI).

10.2 Interpretation

Appendix VI demonstrates defined trends and areas of anomalous metal values. This can be overlain on Appendix I to reference geology, line numbers, topography, streams, and claim boundaries.

The anomalies displayed by gold may be reflecting anomalous, possibly even economically significant, concentrations of this metal in the underlying or nearby bedrock. This interpretation is supported by the fact that gold anomalies tend to define strong trends, which clearly contrast from the background values.

Gold, silver, copper, lead, and zinc anomalies occur in areas underlain by the mafic volcanic, black phyllite, and complex sericite alteration rock units. The target mineralization is believed to occur in all of these rock units. Therefore, soil anomalies represent good targets for underlying mineralization.

Since gold is the primary target, the gold anomalies should be given first priority in follow-up. Although strong copper, lead, zinc, and discrete silver trends were defined and of a fairly high order of magnitude, they should be assigned a lower priority in follow-up. The present soil sample line density is not considered adequate to define trench or drill targets.

11.0 CONCLUSIONS

1. The Spanish Creek properties are almost entirely underlain by middle Triassic to early Jurassic sedimentary and volcanic rocks of the Quesnel Terrane.
2. Alteration and mineralization are likely associated with fault structures and contacts between rock units.
3. Extensive chlorite-rich zones trend northwest across Hobson 2 and Ted claims. Anomalous copper values are indicated in these zones.
4. Gold-in-soil anomalies were outlined. These warrant follow-up surveys.

5. Strong silver, copper, lead, and zinc-in-soil anomalies were also defined.
6. The present density of soil sampling may not be considered adequate to target trenching or drilling at this time.

12.0 RECOMMENDATIONS

1. A program of detailed bulk stream sediment sampling should be conducted in the property's drainages, to help define more specific target areas for follow-up.
2. Detailed fill-in soil sampling should be conducted in areas of determined anomalous gold-in-soil values.
3. Soil sample grids should be established over other areas of interest on the property.
4. A geophysical induced polarization survey should be conducted over areas of concentrated sulphide mineralization, with priority assigned to areas of anomalous gold-in-soil values.
5. Trenching of targeted gold mineralization as determined.

13.0 STATEMENT OF EXPENDITURES

The following table outlines the 1989 expenditures incurred on the claims. This total amount is to be divided; 60% towards the Hobson group, and 40% towards the Eagle group.

Table 2 - Statement of Expenditures

Salaries (geologic mapping and sampling, soil sampling)		
M. Matherly, 26 days @ \$200/day	\$ 5,200	
S. Paterson, 26 days @ \$200/day	<u>5,200</u>	\$ 10,400
Soil Geochemical Analysis, Shipping Cost (Au, Ag, Cu, Pb, Zn)		
540 samples x \$12.75 each, minus 10%	6,196	
	<u>85</u>	6,281
Camp Costs		
26 days @ \$40/day x 2 persons	<u>2,080</u>	2,080
Vehicle Costs		
26 days @ \$50/day	<u>1,300</u>	1,300
Report Preparation		
M. Matherly, 2 days @ \$200/day	400	
S. Paterson, 2 days @ \$200/day	<u>400</u>	<u>800</u>
Total		\$ <u>20,861</u>

14.0 STATEMENT OF QUALIFICATIONS

We, Mr. Merle Matherly and Ms. Sheran Paterson, of 150 Mile House, B.C. do certify that:

1. We are prospectors and maintain valid free miners' permits.
2. We have attended the Prospector's Course at Cariboo College, 1979, (instructor - Dr. Gary Bysouth, senior geologist, Gibraltar Mines Ltd., McLeese Lake, B.C.)
3. We have completed the Advanced Mineral Exploration Course for Prospectors, Ministry of Energy, Mines and Petroleum Resources, B.C.:

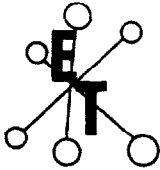
Merle Matherly, at David Thompson University Center, Nelson, B.C. 1981.

Sheran Paterson, at Northwest College, Terrace, B.C., 1982.

4. We have also completed Mineralogy 12, Ministry of Education, B.C.
5. From 1978 to the present, we have been actively engaged in field exploration.
6. We personally executed and supervised the work program as described, and have compiled and analyzed the resulting data.


Merle Matherly


Sheran Paterson



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10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (804) 573-5700 Fax 573-4557

GEOCHEMICAL LABORATORY METHODS

SAMPLE PREPARATION (STANDARD)

1. Soil or Sediment: Samples are dried and then sieved through 80 mesh nylon sieves.
2. Rock, Core: Samples dried (if necessary), crushed, riffled to pulp size and pulverized to approximately -140 mesh.

METHODS OF ANALYSIS

All methods have either known or in-house standards carried through entire procedure to ensure validity of results.

1. Multi Element Cd, Cr, Co, Cu, Fe (acid soluble),
Pb, Mn, Ni, Ag, Zn, Mo

Digestion

Finish

Hot aqua regia

Atomic Absorption, background correction applied where appropriate

A) Multi Element ICP

Digestion

Finish

Hot aqua-regia

ICP

2. Antimony

Digestion

Finish

Hot aqua regia

Hydride generation - A.A.S.

3. Arsenic

Digestion

Finish

Hot aqua regia

Hydride generation - A.A.S.

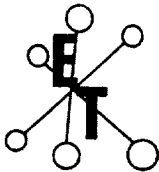
4. Barium

Digestion

Finish

Lithium Metaborate Fusion

Atomic Absorption



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5. Beryllium

Digestion

Finish

hot aqua regia

Atomic Absorption

6. Bismuth

Digestion

Finish

Hot aqua regia

Atomic Absorption

7. Chromium

Digestion

Finish

Sodium Peroxide Fusion

Atomic Absorption

8. Fluorine

Digestion

Finish

Lithium Metaborate Fusion

Ion Selective Electrode

9. Mercury

Digestion

Finish

Hot aqua regia

Cold vapor generation
A.A.S.

10. Phosphorus

Digestion

Finish

Lithium Metaborate Fusion

I.C.P. finish

11. Selenium

Digestion

Finish

Hot aqua regia

Hydride generation - A.A.S.

12. Tellurium

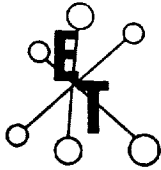
Digestion

Finish

Hot aqua regia

Potassium Bisulphate Fusion

Hydride generation - A.A.S.
Colorimetric or I.C.P.



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13. Tin

Digestion

Finish

Ammonium Iodide Fusion

Hydride generation - A.A.S.

14. Tungsten

Digestion

Finish

Potassium Bisulphate Fusion

Colorimetric or I.C.P.

15. Gold

Digestion

Finish

Fire Assay Preconcentration
followed by Aqua Regia

Atomic Absorption

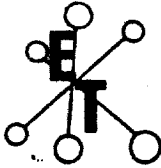
16. Platinum, Palladium, Rhodium

Digestion

Finish

Fire Assay Preconcentration
followed by Aqua Regia

Graphite Furnace A.A.S.



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JULY 12, 1989

CERTIFICATE OF ANALYSIS ETK 89-381

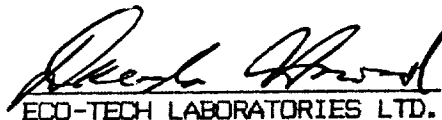
Placer Dome Inc.
401, 1450 Pearson Place
KAMLOOPS, B.C.
V1S 1J9

=====

DATE RECEIVED:	JUNE 28, 1989	REJECTS:	STORE
PROJECT:	GENERAL 1E	PULPS:	STORE
NUMBER SAMPLES:	8		
TYPE SAMPLES:	ROCK	NOTE:	> = MORE THAN

=====

ET#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)
381 - 1	30949	510	9.6	134	135	24	16	12.2
381 - 2	30950	35	1.3	35	16	103	17	1.5
381 - 3	59151	15	.4	7	8	25	6	<.2
381 - 4	59152	15	.6	15	13	27	7	<.2
381 - 5	59153	5	.8	49	7	74	5	<.2
381 - 6	59154	10	.3	10	11	26	8	<.2
381 - 7	59155	10	1.2	25	20	235	7	<.2
381 - 8	59156	20	.5	15	9	28	9	<.2

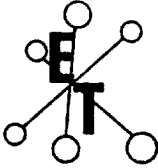


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Doug Howard
B.C. Certified Assayer

F A X
5089/PLACER1

Rob



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

SEPTEMBER 29, 1989

CERTIFICATE OF ANALYSIS ETK 89-743

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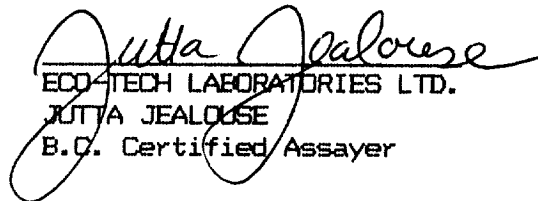
Placer Dome Inc.
401, 1450 Pearson Place
KAMLOOPS, B.C.
V1S 1J9

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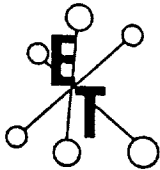
DATE RECEIVED:	SEPTEMBER 26, 1989	REJECTS:	STORE
PROJECT:	GENERAL 1E	PULPS:	STORE
NUMBER SAMPLES:	21		
TYPE SAMPLES:	ROCK	NOTE:	> = MORE THAN

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ET#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Cu (%)	Pb (ppm)	Zn (ppm)	Zn (%)
743 - 1	M.H.	5	.1	293		3	392	
743 - 2	Z-1	103	.1	21		3	138	
743 - 3	Z-1	105	.2	106		6	>1000	.10
743 - 4	Z-2	108	.2	82		4	46	
743 - 5	Z-2	109	.1	29		3	111	
743 - 6	Z-2	112	.1	54		3	9	
743 - 7	SP	114	.6	53		8	44	
743 - 8	SP	118	.3	37		4	2	
743 - 9	SP	120	.1	72		2	2	
743 - 10	SP	122	.6	202		18	61	
743 - 11	SP	123	1.3	>1000	.19	36	9	
743 - 12	CO	202	.2	381		3	70	
743 - 13	CO	203	.2	112		6	24	
743 - 14	CO	204	.2	85		4	91	
743 - 15	CO	205	.2	139		2	77	
743 - 16	CO	206	.2	91		3	33	
743 - 17	M.M. CO	209	.1	144		1	32	
743 - 18	M.M. CO	211	.1	15		5	58	
743 - 19	CO	212	.2	8		13	34	
743 - 20	A 1	213	.1	291		2	>1000	.34
743 - 21	A	214	.1	47		4	113	


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OCTOBER 20, 1989

CERTIFICATE OF ANALYSIS ETK 89-775

Placer Dome Inc.
401, 1450 Pearson Place
KAMLOOPS, B.C.
V1S 1J9

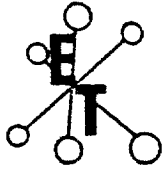
DATE RECEIVED: OCTOBER 11, 1989 REJECTS: STORE
PROJECT: GENERAL 1E PULPS: STORE
NUMBER SAMPLES: 17
TYPE SAMPLES: ROCK

NOTE: > = MORE THAN

ET#	DESCRIPTION	Au (ppb)	Ag (ppm)	Ag (g/t)	Cu (ppm)	Cu (%)	Pb (ppm)	Pb (%)	Zn (ppm)	Zn (%)
775 - 1	SF 3	218	35	2.3	26		96		147	
775 - 2	SF 4	219	40	3.2	93		27		116	
775 - 3	H 2	124	15	.2	127		13		99	
775 - 4	H	125	10	<.1	>1000	.68	12		39	
775 - 5	B	130	25	>30.0	56.8		>1000	1.86	>1000	.64
775 - 6	B	132	15	.4	15		245		56	
775 - 7	H	133	15	>30.0	230.1		>1000	9.10	231	
775 - 8	H	135	110	1.4	46		549		100	
775 - 9	H	137	20	1.2	3		352		115	
775 - 10	H	138	5	2.0	4		458		192	
775 - 11	H	139	70	.6	>1000	.27	78		125	
775 - 12	H	220	10	.3	29		25		211	
775 - 13	H	221	45	.4	654		26		127	
775 - 14	H	222	5	.6	19		16		329	
775 - 15	H	223	15	27.6	18		>1000	1.13	191	
775 - 16	H	224	<5	.2	17		80		121	
775 - 17	H	225	5	.3	35		57		115	

Jutta Jealouse
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JULY 24, 1989

CERTIFICATE OF ANALYSIS ETK 89-440

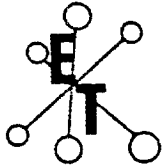
Placer Dome Inc.
401, 1450 Pearson Place
KAMLOOPS, B.C.
V1S 1J9

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DATE RECEIVED:	JULY 14, 1989	REJECTS:	STORE
PROJECT:	GENERAL 1E	PULPS:	STORE
NUMBER SAMPLES:	118		
TYPE SAMPLES:	SOIL	NOTE:	< = LESS THAN

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ET#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
440 - 1	BL 21 + 00 E	10	.3	8	21	24
440 - 2	BL 22 + 00 E	5	.2	24	28	32
440 - 3	BL 23 + 00 E	20	<.1	17	17	57
440 - 4	BL 24 + 00 E	10	.2	19	19	62
440 - 5	BL 25 + 00 E	5	.2	13	19	67
440 - 6	BL 26 + 00 E	10	.8	63	13	98
440 - 7	BL 27 + 00 E	5	1.4	42	14	106
440 - 8	BL 28 + 00 E	10	.2	40	19	99
440 - 9	BL 30 + 00 E	5	.1	13	11	50
440 - 10	BL 33 + 00 E	10	<.1	28	12	74
440 - 11	BL 34 + 00 E	10	.3	14	12	69
440 - 12	BL 35 + 00 E	5	.1	38	14	58
440 - 13	BL 36 + 00 E	10	.3	133	13	79
440 - 14	BL 37 + 00 E	25	.3	48	11	112
440 - 15	BL 38 + 00 E	10	.2	39	9	100
440 - 16	27+ 00 E 1 + 00 N	15	.5	48	8	144
440 - 17	27+ 00 E 1 + 50 N	10	.2	36	7	185
440 - 18	27+ 00 E 2 + 50 N	10	1.3	88	8	157
440 - 19	27+ 00 E 4 + 00 N	10	1.6	48	17	155
440 - 20	27+ 00 E 4 + 50 N	5	1.6	79	18	54
440 - 21	27+ 00 E 5 + 00 N	5	1.4	55	17	153
440 - 22	27+ 00 E 1 + 00 S	10	<.1	29	12	56
440 - 23	27+ 00 E 1 + 50 S	5	.2	15	9	49
440 - 24	27+ 00 E 2 + 00 S	15	<.1	16	2	30
440 - 25	27+ 00 E 2 + 50 S	10	<.1	21	5	38
440 - 26	27+ 00 E 3 + 00 S	10	.2	18	4	39
440 - 27	27+ 00 E 3 + 50 S	5	.2	18	3	37
440 - 28	27+ 00 E 4 + 00 S	10	.1	18	4	38
440 - 29	27+ 00 E 4 + 50 S	5	.6	276	9	62
440 - 30	27+ 00 E 5 + 00 S	15	.1	26	8	42



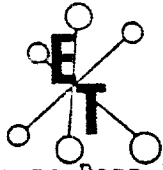
ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (804) 573-5700 Fax 573-4557

Placer Dome Inc.

ET#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
440 - 31	29+ 00 E 0 + 61 N	5	.3	33	4	80
440 - 32	29+ 00 E 1 + 00 N	5	.2	37	3	94
440 - 33	29+ 00 E 1 + 50 N	20	.8	45	9	99
440 - 34	29+ 00 E 2 + 00 N	10	.8	40	4	131
440 - 35	29+ 00 E 2 + 50 N	5	.5	34	7	91
440 - 36	29+ 00 E 3 + 00 N	15	.5	51	8	217
440 - 37	29+ 00 E 3 + 55 N	5	3.8	95	21	253
440 - 38	29+ 00 E 4 + 00 N	20	1.6	49	6	117
440 - 39	29+ 00 E 4 + 50 N	10	.4	25	34	153
440 - 40	29+ 00 E 5 + 00 N	5	.3	24	29	97
440 - 41	29+ 00 E 0 + 50 S	10	<.1	10	18	43
440 - 42	29+ 00 E 1 + 54 S	5	<.1	11	19	62
440 - 43	29+ 00 E 2 + 00 S	20	<.1	24	24	45
440 - 44	29+ 00 E 3 + 00 S	5	.2	8	18	55
440 - 45	29+ 00 E 3 + 50 S	30	<.1	19	24	35
440 - 46	29+ 00 E 4 + 00 S	10	<.1	17	19	39
440 - 47	29+ 00 E 4 + 50 S	10	.6	36	24	49
440 - 48	29+ 00 E 5 + 00 S	10	.1	10	14	129
440 - 49	31+ 00 E 1 + 50 N	15	.3	25	21	116
440 - 50	31+ 00 E 2 + 00 N	5	.6	18	15	96
440 - 51	31+ 00 E 2 + 50 N	5	.5	44	19	87
440 - 52	31+ 00 E 3 + 00 N	5	.4	26	20	100
440 - 53	31+ 00 E 3 + 50 N	15	.7	15	17	348
440 - 54	31+ 00 E 4 + 00 N	25	1.0	35	28	167
440 - 55	31+ 00 E 4 + 50 N	10	.8	39	22	190
440 - 56	31+ 00 E 5 + 00 N	5	2.6	52	42	49
440 - 57	L 31+ 00 E 0 + 50 S	35	<.1	13	20	40
440 - 58	L 31+ 00 E 1 + 15 S	10	<.1	11	19	39
440 - 59	L 31+ 00 E 1 + 50 S	5	.1	58	19	58
440 - 60	L 31+ 00 E 2 + 00 S	10	<.1	18	22	50
440 - 61	L 31+ 00 E 2 + 50 S	5	<.1	76	23	59
440 - 62	L 31+ 00 E 3 + 55 S	25	<.1	16	19	44
440 - 63	L 31+ 00 E 4 + 00 S	10	<.1	12	18	35
440 - 64	L 31+ 00 E 4 + 50 S	5	<.1	15	27	76
440 - 65	L 31+ 00 E 5 + 00 S	5	<.1	36	47	56
440 - 66	L 33+ 00 E 0 + 50 N	5	<.1	46	14	40
440 - 67	L 33+ 00 E 1 + 00 N	15	<.1	22	14	130
440 - 68	L 33+ 00 E 2 + 50 N	5	.5	29	17	132
440 - 69	L 33+ 00 E 2 + 00 N	5	1.2	30	15	78
440 - 70	L 33+ 00 E 3 + 50 N ³⁴⁰⁰	10	1.2	20	17	112
440 - 71	L 33+ 00 E 3 + 50 N	5	.4	24	17	120
440 - 72	L 33+ 00 E 4 + 00 N	10	1.3	20	14	114
440 - 73	L 33+ 00 E 4 + 50 N	5	.1	23	19	170
440 - 74	L 33+ 00 E 5 + 00 N	5	.7	51	29	50
440 - 75	33+ 00 E 0 + 50 S	15	.1	14	19	41



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Placer Dome Inc.

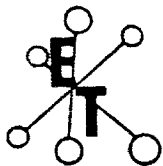
ET#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
440 - 76	33+ 00 E 2 + 00 S	10	.2	23	16	156
440 - 77	33+ 00 E 2 + 50 S	10	.2	20	29	56
440 - 78	33+ 00 E 2 + 96 S	5	.2	20	24	57
440 - 79	33+ 00 E 3 + 50 S	10	.1	20	22	65
440 - 80	33+ 00 E 4 + 00 S	25	.2	15	20	51
440 - 81	33+ 00 E 4 + 50 S	15	.2	25	22	59
440 - 82	33+ 00 E 5 + 05 S	10	.1	27	18	66 → ✓
440 - 83	L 35+ 00 E 0 + 50 N	5	.5	20	12	75
440 - 84	L 35+ 00 E 1 + 00 N	5	.3	21	13	80
440 - 85	L 35+ 00 E 1 + 50 N	5	.5	18	11	78
440 - 86	L 35+ 00 E 2 + 00 N	5	.7	31	13	56
440 - 87	L 35+ 00 E 2 + 50 N	10	.3	75	19	89
440 - 88	L 35+ 00 E 3 + 50 N	5	.9	33	17	101
440 - 89	L 35+ 00 E 4 + 00 N	5	.7	30	16	110
440 - 90	L 35+ 00 E 4 + 50 N	10	.9	34	17	143
440 - 91	L 35+ 00 E 5 + 00 N	10	.5	27	18	102
440 - 92	35+ 00 E 0 + 50 S	15	.5	104	17	79
440 - 93	35+ 00 E 2 + 10 S	10	.2	19	15	53
440 - 94	35+ 00 E 2 + 50 S	5	.6	17	19	53
440 - 95	35+ 00 E 3 + 00 S	5	.3	22	24	61
440 - 96	35+ 00 E 3 + 53 S	20	.3	14	20	50
440 - 97	35+ 00 E 4 + 10 S	5	.7	39	37	73
440 - 98	35+ 00 E 4 + 49 S	10	.4	16	29	52
440 - 99	35+ 00 E 5 + 00 S	10	.2	17	22	58
440 - 100	37+ 00 E 0 + 50 N	5	.6	33	23	86
440 - 101	37+ 00 E 1 + 00 N	5	.4	91	17	78
440 - 102	37+ 00 E 1 + 50 N	5	.8	112	20	92
440 - 103	37+ 00 E 2 + 00 N	5	.9	21	18	64
440 - 104	37+ 00 E 2 + 50 N	10	.6	17	13	71
440 - 105	37+ 00 E 3 + 00 N	5	.7	31	22	90
440 - 106	37+ 00 E 4 + 00 N	5	1.1	39	23	115
440 - 107	37+ 00 E 4 + 50 N	5	1.6	41	24	133
440 - 108	37+ 00 E 5 + 00 N	10	2.0	49	24	160
440 - 109	37+ 00 E 0 + 50 S	5	.3	19	15	56
440 - 110	37+ 00 E 1 + 00 S	10	.4	16	20	46
440 - 111	37+ 00 E 1 + 50 S	5	.2	17	22	65
440 - 112	37+ 00 E 2 + 00 S	5	.2	21	21	56
440 - 113	37+ 00 E 2 + 50 S	10	.1	20	23	55
440 - 114	37+ 00 E 3 + 00 S	5	.2	24	22	72
440 - 115	37+ 00 E 3 + 50 S	10	<.1	18	20	64
440 - 116	37+ 00 E 4 + 00 S	25	<.1	20	22	51
440 - 117	37+ 00 E 4 + 50 S	5	.2	15	26	53
440 - 118	37+ 00 E 5 + 00 S	5	.1	19	25	53

F A X

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cc: MERLE MATHERLY AND SHERAN PATERSON
 BOX 422 ,150 MILE HOUSE, B.C.
 V0K 2G0

Douglas Howard
 ECO-TECH LABORATORIES LTD.
 DOUG HOWARD
 B.C. CERTIFIED ASSAYER



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING
 10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (804) 573-5700 Fax 573-4557

SEPTEMBER 6, 1989

CERTIFICATE OF ANALYSIS ETK 89-514

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Placer Dome Inc.
 401, 1450 Pearson Place
 KAMLOOPS, B.C.
 VIS 1J9

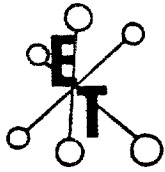
REISSUED TO CORRECT DESCRIPTIONS

DATE RECEIVED: JULY 31, 1989
 PROJECT: GENERAL 1E
 NUMBER SAMPLES: 85
 TYPE SAMPLES: SOIL

REJECTS: N/A
 PULPS: STORE

NOTE: < = LESS THAN

ET#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
514 - 1	L 12 + 00 E X B.L.	10	<.1	52	9	100
514 - 2	L 13 + 00 E X B.L.	5	<.1	20	17	82
514 - 3	L 14 + 00 E X B.L.	<5	<.1	28	14	151
514 - 4	L 15 + 00 E X B.L.	10	.4	256	15	186
514 - 5	L 16 + 00 E X B.L.	20	<.1	76	12	92
514 - 6	L 17 + 00 E X B.L.	<5	.3	26	8	34
514 - 7	L 18 + 00 E X B.L.	10	.4	24	17	46
514 - 8	L 19 + 00 E X B.L.	15	.5	23	57	76
514 - 9	L 20 + 00 E X B.L.	5	.3	30	23	54
514 - 10	L 11 + 00 E 0 + 50 S	<5	.6	19	14	60
514 - 11	L 11 + 00 E 1 + 00 S	5	.4	41	10	167
514 - 12	L 11 + 00 E 1 + 50 S	<5	.4	33	7	103
514 - 13	L 11 + 00 E 2 + 00 S	10	.2	26	12	160
514 - 14	L 11 + 00 E 2 + 50 S	5	.4	36	34	144
514 - 15	L 11 + 00 E 3 + 00 S	<5	.3	47	19	158
514 - 16	L 11 + 00 E 3 + 50 S	<5	.6	16	11	63
514 - 17	L 11 + 00 E 4 + 00 S	<5	.7	35	20	113
514 - 18	L 11 + 00 E 4 + 50 S	10	.3	36	17	158
514 - 19	L 11 + 00 E 5 + 00 S	<5	<.1	40	13	104
514 - 20	11 + 00 E X 0 + 50 N	15	.2	17	9	53
514 - 21	11 + 00 E X 1 + 00 N	<5	.6	44	17	76
514 - 22	11 + 00 E X 1 + 50 N	20	.2	36	17	88
514 - 23	11 + 00 E X 2 + 00 N	5	.1	53	23	102
514 - 24	11 + 00 E X 2 + 50 N	<5	.1	20	18	64
514 - 25	11 + 00 E X 3 + 00 N	<5	.3	18	25	48
514 - 26	11 + 00 E X 3 + 50 N	5	.2	30	13	100
514 - 27	11 + 00 E X 4 + 00 N	5	.5	50	16	58
514 - 28	11 + 00 E X 4 + 50 N	<5	.3	37	12	66
514 - 29	11 + 00 E X 5 + 00 N	5	.2	26	19	39
514 - 30	L 13 + 00 E 0 + 50 S	15	<.1	16	17	89



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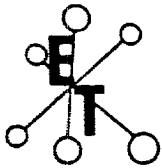
ASSAYING - ENVIRONMENTAL TESTING

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Placer Dome Inc.

SEPTEMBER 6, 1989

ET#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
514 - 31	L 13 + 00 E 1 + 00 S	<5	.3	57	14	219
514 - 32	L 13 + 00 E 1 + 50 S	<5	<.1	34	16	164
514 - 33	L 13 + 00 E 2 + 00 S	5	<.1	109	14	270
514 - 34	L 13 + 00 E 2 + 50 S	<5	.2	104	15	600
514 - 35	L 13 + 00 E 3 + 50 S	10	.3	52	21	122
514 - 36	L 13 + 00 E 4 + 00 S	15	.1	55	17	90
514 - 37	L 13 + 00 E 4 + 50 S	10	<.1	34	26	72
514 - 38	L 13 + 00 E 5 + 00 S	<5	.1	28	181	123
514 - 39	13 + 00 E X 0 + 50 N	15	.1	284	27	160
514 - 40	13 + 00 E X 1 + 00 N	10	<.1	36	15	79
514 - 41	13 + 00 E X 1 + 50 N	35	<.1	31	15	99
514 - 42	13 + 00 E X 2 + 00 N	55	<.1	102	18	294
514 - 43	13 + 00 E X 2 + 50 N	15	.3	24	15	53
514 - 44	13 + 00 E X 3 + 00 N	20	<.1	38	17	56
514 - 45	13 + 00 E X 3 + 46 N	25	<.1	67	23	118
514 - 46	13 + 00 E X 4 + 00 N	<5	<.1	42	18	108
514 - 47	13 + 00 E X 4 + 53 N	15	<.1	73	15	78
514 - 48	13 + 00 E X 5 + 00 N	<5	<.1	25	14	57
514 - 49	23 + 00 E X 0 + 50 S	10	.1	18	17	36
514 - 50	23 + 00 E X 1 + 00 S	15	.2	45	35	32
514 - 51	23 + 00 E X 1 + 50 S	10	.2	41	34	31
514 - 52	23 + 00 E X 2 + 00 S	5	.1	40	31	40
514 - 53	23 + 00 E X 2 + 50 S	20	.1	20	22	59
514 - 54	23 + 00 E X 3 + 00 S	15	.1	28	42	76
514 - 55	23 + 00 E X 3 + 50 S	10	.2	24	21	68
514 - 56	23 + 00 E X 4 + 00 S	15	.2	52	47	76
514 - 57	23 + 00 E X 4 + 50 S	5	<.1	36	22	62
514 - 58	23 + 00 E X 5 + 00 S	<5	.1	28	21	79
514 - 59	23 + 00 E X 1 + 00 N	10	<.1	36	18	101
514 - 60	23 + 00 E X 1 + 98 N	15	<.1	45	17	136
514 - 61	23 + 00 E X 2 + 46 N	5	.1	39	19	159
514 - 62	23 + 00 E X 2 + 86 N	15	<.1	21	16	81
514 - 63	23 + 00 E X 3 + 44 N	20	.2	29	20	112
514 - 64	23 + 00 E X 4 + 00 N	<5	<.1	30	21	78
514 - 65	23 + 00 E X 4 + 50 N	<5	<.1	33	25	164
514 - 66	23 + 00 E X 5 + 00 N	15	<.1	41	19	126
514 - 67	25 + 00 E X 0 + 50 S	60	<.1	32	25	85
514 - 68	25 + 00 E X 1 + 00 S	20	.1	26	21	71
514 - 69	25 + 00 E X 1 + 50 S	<5	.3	27	20	53
514 - 70	25 + 00 E X 2 + 00 S	10	.3	34	22	55
514 - 71	25 + 00 E X 2 + 50 S	15	.4	33	26	56
514 - 72	25 + 00 E X 3 + 00 S	15	.2	31	22	52
514 - 73	25 + 00 E X 3 + 50 S	10	.1	63	24	46
514 - 74	25 + 00 E X 4 + 00 S	15	.4	30	20	61
514 - 75	25 + 00 E X 4 + 50 S	5	.3	21	18	48



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (804) 573-5700 Fax 573-4557

Placer Dome Inc.

SEPTEMBER 6, 1989

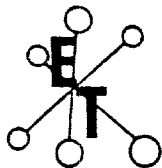
ET#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
514 - 76	25 + 00 E X 5 + 00 S	<5	.3	37	23	60
514 - 77	25 + 00 E X 0 + 61 N	<5	.3	24	14	82
514 - 78	25 + 00 E X 1 + 13 N	15	.5	29	17	79
514 - 79	25 + 00 E X 1 + 45 N	<5	.4	28	12	90
514 - 80	25 + 00 E X 2 + 20 N	<5	.8	29	9	99
514 - 81	25 + 00 E X 2 + 46 N	5	1.1	38	11	104
514 - 82	25 + 00 E X 3 + 00 N	5	.8	32	7	112
514 - 83	25 + 00 E X 3 + 50 N	<5	.6	42	7	79
514 - 84	25 + 00 E X 4 + 50 N	<5	.5	33	6	102
514 - 85	25 + 00 E X 5 + 02 N	<5	1.2	72	10	150

L> 5402 11 ?

ECO-TECH LABORATORIES LTD.
DOUG HOWARD
B.C. Certified Assayer

F A X - ROB PEASE
SC89/PLACER4

cc: MERLE MATHERLY & SHERAN PETERSON
BOX 422, 150 MILE HOUSE, B.C.
BOK 260



Spanish Hill

ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

AUGUST 24, 1989

CERTIFICATE OF ANALYSIS ETK 89-602

=====

Placer Dome Inc.
401, 1450 Pearson Place
KAMLOOPS, B.C.
V1S 1J9

DATE RECEIVED: AUGUST 12, 1989

REJECTS: N/A

PROJECT: GENERAL 1E

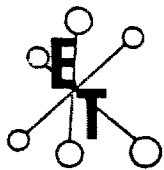
PULPS: STORE

NUMBER SAMPLES: 285

TYPE SAMPLES: SOIL N O T E : < = LESS THAN

ET#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
602 - 1	1 + 00 W X 0 + 50 S	5	.9	74	21	126
602 - 2	1 + 00 W X 1 + 00 S	10	3.5	108	24	140
602 - 3	1 + 00 W X 1 + 50 S	10	.7	59	17	144
602 - 4	1 + 00 W X 2 + 00 S	<5	.9	29	15	59
602 - 5	1 + 00 W X 2 + 58 S	<5	.4	38	18	120
602 - 6	1 + 00 W X 3 + 00 S	<5	<.1	29	15	82
602 - 7	1 + 00 W X 3 + 50 S	10	.1	41	21	109
602 - 8	1 + 00 W X 4 + 00 S	<5	.7	49	18	112
602 - 9	1 + 00 W X 4 + 50 S	5	.4	48	18	90
602 - 10	1 + 00 W X 5 + 00 S	<5	.3	50	25	98
602 - 11	1 + 00 E X 0 + 50 N	5	.2	33	14	90
602 - 12	1 + 00 E X 1 + 00 N	5	.1	57	16	114
602 - 13	1 + 00 E X 1 + 50 N	<5	.4	36	17	106
602 - 14	1 + 00 E X 2 + 00 N	<5	.2	35	18	108
602 - 15	1 + 00 E X 2 + 50 N	<5	<.1	32	15	94
602 - 16	1 + 00 E X 3 + 00 N	<5	.1	31	22	101
602 - 17	1 + 00 E X 3 + 50 N	15	.1	62	18	130
602 - 18	1 + 00 E X 4 + 00 N	10	1.0	47	22	112
602 - 19	1 + 00 E X 4 + 50 N	10	2.3	195	276	280
602 - 20	1 + 00 E X 5 + 00 N	5	.6	72	25	168
602 - 21	1 + 00 E X 0 + 50 S	10	.3	34	11	71
602 - 22	1 + 00 E X 1 + 00 S	10	.1	41	13	84
602 - 23	1 + 00 E X 1 + 50 S	<5	.4	52	21	114
602 - 24	1 + 00 E X 2 + 00 S	5	.3	34	23	80
602 - 25	1 + 00 E X 2 + 50 S	15	.1	43	15	120
602 - 26	1 + 00 E X 3 + 00 S	10	.2	51	21	116
602 - 27	1 + 00 E X 3 + 50 S	5	1.5	57	22	106
602 - 28	1 + 00 E X 4 + 5 S	5	.8	61	32	104
602 - 29	1 + 00 E X 4 + 50 S	10	.6	59	25	136
602 - 30	1 + 00 E X 5 + 00 S	<5	.5	39	17	106

BL



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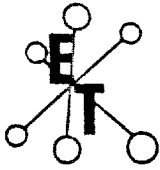
ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (804) 573-5700 Fax 573-4557

Placer Dome Inc.

AUGUST 24, 1989

ET#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
602 - 31	1 + 00 W X 0 + 50 N	5	1.1	35	19	124
602 - 32	1 + 00 W X 1 + 00 N	10	.7	37	16	182
602 - 33	1 + 00 W X 1 + 50 N	10	.8	33	19	124
602 - 34	1 + 00 W X 2 + 00 N	5	.4	36	15	150
602 - 35	1 + 00 W X 2 + 50 N	<5	1.7	89	105	250
602 - 36	1 + 00 W X 3 + 00 N	<5	.6	82	53	277
602 - 37	1 + 00 W X 3 + 50 N	10	2.0	68	127	240
602 - 38	1 + 00 W X 4 + 00 N	15	1.2	47	28	178
602 - 39	1 + 00 W X 4 + 50 N	<5	.5	40	22	146
602 - 40	1 + 00 W X 5 + 00 N	<5	.9	36	24	134
602 - 41	L 3 + 00 E X 0 + 50 S	<5	<.1	34	18	96
602 - 42	L 3 + 00 E X 1 + 00 S	5	.2	70	19	128
602 - 43	L 3 + 00 E X 1 + 50 S	<5	.1	53	23	120
602 - 44	L 3 + 00 E X 2 + 00 S	<5	.2	45	15	97
602 - 45	L 3 + 00 E X 2 + 50 S	35	.4	102	19	108
602 - 46	L 3 + 00 E X 3 + 00 S	30	.4	45	17	127
602 - 47	L 3 + 00 E X 3 + 50 S	25	.2	40	22	99
602 - 48	L 3 + 00 E X 4 + 00 S	15	.2	37	17	86
602 - 49	L 3 + 00 E X 4 + 50 S	10	.1	29	16	61
602 - 50	L 3 + 00 E X 5 + 00 S	15	.1	41	17	81
602 - 51	3 + 00 E X 0 + 50 N	30	.3	71	16	270
602 - 52	3 + 00 E X 1 + 00 N	15	.1	58	12	290
602 - 53	3 + 00 E X 1 + 50 N	10	.3	39	17	86
602 - 54	3 + 00 E X 2 + 00 N	20	.2	53	22	126
602 - 55	3 + 00 E X 2 + 50 N	5	.3	38	14	73
602 - 56	3 + 00 E X 3 + 50 N	10	.4	42	21	110
602 - 57	3 + 00 E X 4 + 00 N	10	<.1	14	13	54
602 - 58	3 + 00 E X 4 + 50 N	5	<.1	26	14	70
602 - 59	3 + 00 E X 5 + 00 N	15	.4	55	18	128
602 - 60	L 5 + 00 E X 0 + 50 S	10	.3	54	17	186
602 - 61	L 5 + 00 E X 1 + 00 S	10	.4	46	18	128
602 - 62	L 5 + 00 E X 1 + 50 S	<5	.1	50	16	130
602 - 63	L 5 + 00 E X 2 + 00 S	30	.2	89	14	90
602 - 64	L 5 + 00 E X 2 + 50 S	10	.4	57	15	120
602 - 65	L 5 + 00 E X 3 + 00 S	15	1.0	27	9	72
602 - 66	L 5 + 00 E X 3 + 50 S	10	1.4	32	16	104
602 - 67	L 5 + 00 E X 4 + 00 S	<5	1.5	40	16	134
602 - 68	L 5 + 00 E X 4 + 50 S	10	1.7	23	12	84
602 - 69	L 5 + 00 E X 5 + 00 S	10	.3	21	9	57
602 - 70	L 5 + 00 E X 0 + 50 N	15	.1	32	9	136
602 - 71	L 5 + 00 E X 1 + 00 N	5	.2	90	8	246
602 - 72	L 5 + 00 E X 1 + 50 N	5	<.1	74	20	230
602 - 73	L 5 + 00 E X 2 + 5 N	10	.4	66	14	134
602 - 74	L 5 + 00 E X 2 + 50 N	15	<.1	52	8	130
602 - 75	L 5 + 00 E X 3 + 00 N	<5	<.1	73	9	154



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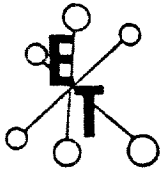
ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

Placer Dome Inc.

AUGUST 24, 1989

ET#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
602 - 76	L 5 + 00 E X 3 + 50 N	<5	.3	28	8	102
602 - 77	L 5 + 00 E X 4 + 00 N	20	.3	57	18	207
602 - 78	L 5 + 00 E X 4 + 50 N	<5	.2	40	15	119
602 - 79	L 5 + 00 E X 5 + 00 N	5	.4	32	14	85
602 - 80	L 7 + 00 E X 0 + 50 N	10	.2	43	13	151
602 - 81	L 7 + 00 E X 1 + 00 N	5	.6	74	12	162
602 - 82	L 7 + 00 E X 1 + 50 N	<5	.3	65	12	110
602 - 83	L 7 + 00 E X 2 + 00 N	15	.8	27	12	108
602 - 84	L 7 + 00 E X 2 + 50 N	5	.6	51	12	188
602 - 85	L 7 + 00 E X 3 + 00 N	20	.5	26	9	96
602 - 86	L 7 + 00 E X 3 + 50 N	15	.6	16	8	40
602 - 87	L 7 + 00 E X 4 + 00 N	<5	.5	49	12	158
602 - 88	L 7 + 00 E X 4 + 50 N	<5	.3	58	17	116
602 - 89	L 7 + 00 E X 5 + 00 N	5	.5	49	11	70
602 - 90	L 7 + 00 E X 0 + 50 S	50	.6	56	19	250
602 - 91	L 7 + 00 E X 1 + 00 S	<5	.7	125	17	178
602 - 92	L 7 + 00 E X 1 + 50 S	<5	.6	95	13	86
602 - 93	L 7 + 00 E X 2 + 00 S	<5	.4	46	12	71
602 - 94	L 7 + 00 E X 2 + 50 S	<5	.6	44	17	87
602 - 95	L 7 + 00 E X 3 + 00 S	<5	1.0	40	21	104
602 - 96	L 7 + 00 E X 3 + 50 S	5	1.1	16	16	160
602 - 97	L 7 + 00 E X 4 + 00 S	<5	1.8	18	18	74
602 - 98	L 7 + 00 E X 4 + 50 S	<5	2.8	10	10	46
602 - 99	L 7 + 00 E X 5 + 00 S	<5	1.3	14	14	63
602 - 100	L 9 + 00 E X 0 + 50 N	<5	.4	13	13	130
602 - 101	9 + 00 E X 1 + 00 N	10	.5	18	18	96
602 - 102	9 + 00 E X 1 + 50 N	15	.4	15	15	107
602 - 103	9 + 00 E X 2 + 00 N	20	.7	30	30	127
602 - 104	9 + 00 E X 2 + 50 N	15	.6	17	17	74
602 - 105	9 + 00 E X 3 + 00 N	20	.5	12	12	130
602 - 106	9 + 00 E X 3 + 50 N	20	.3	15	15	94
602 - 107	9 + 00 E X 4 + 00 N	10	.6	19	19	55
602 - 108	9 + 00 E X 4 + 50 N	15	.5	19	19	73
602 - 109	9 + 00 E X 5 + 00 N	20	1.4	25	25	98
602 - 110	L 9 + 00 E X 0 + 50 S	<5	.3	11	11	238
602 - 111	L 9 + 00 E X 1 + 00 S	10	.6	13	13	208
602 - 112	L 9 + 00 E X 1 + 50 S	15	.4	17	17	90
602 - 113	L 9 + 00 E X 2 + 00 S	5	.5	24	24	95
602 - 114	L 9 + 00 E X 2 + 50 S	<5	.2	20	20	93
602 - 115	L 9 + 00 E X 3 + 00 S	<5	.3	86	13	70
602 - 116	L 9 + 00 E X 3 + 50 S	25	.4	35	26	93
602 - 117	L 9 + 00 E X 4 + 00 S	<5	.3	39	21	101
602 - 118	L 9 + 00 E X 4 + 50 S	<5	1.9	40	17	74
602 - 119	L 9 + 00 E X 5 + 00 S	5	2.6	59	20	288
602 - 120	15 + 00 E X 0 + 50 N	15	.4	390	26	209



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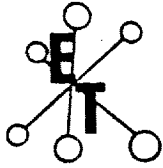
ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

Placer Dome Inc.

AUGUST 24, 1989

ET#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
602 - 121	15 + 00 E X 1 + 00 N	15	.3	165	25	112
602 - 122	15 + 00 E X 1 + 50 N	10	<.1	77	18	124
602 - 123	15 + 00 E X 2 + 00 N	5	.1	210	6	50
602 - 124	15 + 00 E X 2 + 50 N	15	.2	46	14	36
602 - 125	15 + 00 E X 3 + 00 N	20	.1	260	40	76
602 - 126	15 + 00 E X 3 + 50 N	30	.1	41	28	53
602 - 127	15 + 00 E X 4 + 00 N	30	.3	84	37	46
602 - 128	15 + 00 E X 4 + 50 N	20	.4	130	72	69
602 - 129	15 + 00 E X 5 + 00 N	<5	.1	265	21	60
602 - 130	L 15 + 00 E X 0 + 50 S	<5	.3	72	31	108
602 - 131	L 15 + 00 E X 1 + 00 S	<5	.1	26	26	204
602 - 132	L 15 + 00 E X 1 + 50 S	10	.2	54	26	130
602 - 133	L 15 + 00 E X 2 + 00 S	5	.1	36	19	77
602 - 134	L 15 + 00 E X 2 + 50 S	<5	.3	44	20	83
602 - 135	L 15 + 00 E X 3 + 00 S	<5	.2	29	15	54
602 - 136	L 15 + 00 E X 3 + 50 S	<5	.6	182	18	425
602 - 137	L 15 + 00 E X 4 + 00 S	15	.3	32	21	61
602 - 138	L 15 + 00 E X 4 + 50 S	<5	.2	39	19	83
602 - 139	L 15 + 00 E X 5 + 00 S	<5	.2	60	22	108
602 - 140	17 + 00 E X 0 + 50 N	5	.3	22	17	40
602 - 141	17 + 00 E X 1 + 00 N	25	.1	19	25	31
602 - 142	17 + 00 E X 1 + 50 N	10	.2	17	15	32
602 - 143	17 + 00 E X 2 + 50 N	5	.2	79	14	84
602 - 144	17 + 00 E X 3 + 00 N	5	.1	98	14	57
602 - 145	17 + 00 E X 3 + 50 N	10	.1	67	8	44
602 - 146	17 + 00 E X 4 + 00 N	15	.6	580	16	25
602 - 147	17 + 00 E X 4 + 50 N	15	.3	82	22	71
602 - 148	17 + 00 E X 5 + 00 N	20	.2	78	42	80
602 - 149	L 17 + 00 E X 0 + 50 S	5	.3	76	25	55
602 - 150	L 17 + 00 E X 1 + 00 S	10	<.1	18	18	27
602 - 151	L 17 + 00 E X 1 + 50 S	5	.2	10	21	28
602 - 152	L 17 + 00 E X 2 + 00 S	15	.1	18	21	46
602 - 153	L 17 + 00 E X 2 + 50 S	10	.2	28	22	25
602 - 154	L 17 + 00 E X 3 + 00 S	<5	<.1	19	21	42
602 - 155	L 17 + 00 E X 3 + 50 S	<5	.1	103	15	44
602 - 156	L 17 + 00 E X 4 + 00 S	<5	.1	30	11	51
602 - 157	L 17 + 00 E X 4 + 50 N	10	.3	33	12	66
602 - 158	L 17 + 00 E X 5 + 00 N	10	<.1	24	9	106
602 - 159	19 + 00 E X 0 + 50 N	20	.4	32	177	101
602 - 160	19 + 00 E X 1 + 00 N	10	.5	43	113	104
602 - 161	19 + 00 E X 1 + 43 N	5	.4	18	40	76
602 - 162	19 + 00 E X 2 + 00 N	15	.3	17	20	40
602 - 163	19 + 00 E X 2 + 50 N	5	.1	21	22	87
602 - 164	19 + 00 E X 2 + 95 N	15	.2	38	341	100
602 - 165	19 + 00 E X 3 + 50 N	20	.4	31	25	61



ECO-TECH LABORATORIES LTD.

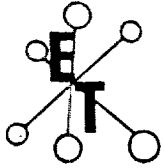
ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (804) 573-5700 Fax 573-4557

Placer Dome Inc.

AUGUST 24, 1989

ET#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
602 - 166	19 + 00 E X 4 + 00 N	50	.2	32	18	80
602 - 167	19 + 00 E X 4 + 50 N	15	.1	21	12	54
602 - 168	19 + 00 E X 5 + 00 N	35	.1	17	13	48
602 - 169	L 19 + 00 E X 0 + 50 S	<5	.3	24	118	64
602 - 170	L 19 + 00 E X 1 + 00 S	15	1.6	55	985	470
602 - 171	L 19 + 00 E X 1 + 50 S	5	.5	26	125	116
602 - 172	L 19 + 00 E X 2 + 00 S	<5	.6	35	137	144
602 - 173	L 19 + 00 E X 2 + 50 S	5	1.2	24	239	90
602 - 174	L 19 + 00 E X 3 + 00 S	<5	.5	18	19	64
602 - 175	L 19 + 00 E X 3 + 50 S	<5	1.2	19	49	60
602 - 176	L 19 + 00 E X 4 + 00 S	10	.3	16	34	41
602 - 177	L 19 + 00 E X 4 + 50 S	25	.2	15	19	48
602 - 178	L 19 + 00 E X 5 + 00 S	<5	.3	26	49	104
602 - 179	21 + 00 E X 0 + 50 N	10	.4	39	23	88
602 - 180	21 + 00 E X 1 + 00 N	<5	.1	29	18	74
602 - 181	21 + 00 E X 1 + 50 N	10	.3	26	25	67
602 - 182	21 + 00 E X 2 + 00 N	10	<.1	32	20	78
602 - 183	21 + 00 E X 2 + 50 N	15	.4	37	28	56
602 - 184	21 + 00 E X 3 + 00 N	10	.1	14	16	49
602 - 185	21 + 00 E X 3 + 50 N	15	.3	37	31	71
602 - 186	21 + 00 E X 4 + 00 N	15	.4	18	14	49
602 - 187	21 + 00 E X 4 + 50 N	5	.2	13	13	38
602 - 188	21 + 00 E X 5 + 00 N	10	.3	21	17	57
602 - 189	L 21 + 00 E X 0 + 50 S	35	.2	17	28	59
602 - 190	L 21 + 00 E X 1 + 00 S	15	.6	12	18	33
602 - 191	L 21 + 00 E X 1 + 50 S	10	<.1	17	24	44
602 - 192	L 21 + 00 E X 2 + 00 S	5	.1	16	21	27
602 - 193	L 21 + 00 E X 2 + 50 S	25	.3	23	24	50
602 - 194	L 21 + 00 E X 3 + 00 S	<5	.4	22	24	67
602 - 195	L 21 + 00 E X 3 + 50 S	<5	.3	18	22	45
602 - 196	L 21 + 00 E X 4 + 00 S	5	.3	37	75	100
602 - 197	L 21 + 00 E X 4 + 50 S	5	.6	25	36	77
602 - 198	L 21 + 00 E X 5 + 00 S	5	.6	29	22	106
602 - 199	39 + 00 E X 0 + 50 N	25	.3	36	25	50
602 - 200	39 + 00 E X 1 + 00 N	20	.2	48	14	56
602 - 201	39 + 00 E X 1 + 50 N	20	.5	52	13	73
602 - 202	39 + 00 E X 2 + 00 N	75	.3	63	20	79
602 - 203	39 + 00 E X 2 + 50 N	40	.6	30	15	56
602 - 204	39 + 00 E X 3 + 00 N	25	.2	29	26	49
602 - 205	39 + 00 E X 3 + 50 N	30	.3	32	33	63
602 - 206	39 + 00 E X 4 + 00 N	40	.7	28	55	95
602 - 207	39 + 00 E X 4 + 50 N	15	.5	27	27	52
602 - 208	39 + 00 E X 5 + 00 N	10	.7	34	37	80
602 - 209	L 39 + 00 E X 0 + 50 S	30	.8	31	19	70
602 - 210	L 39 + 00 E X 1 + 00 S	25	.5	42	14	128



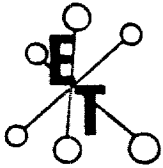
ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING
 10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

Placer Dome Inc.

AUGUST 24, 1989

ET#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
602 - 211	L 39 + 00 E X 1 + 50 S	10	.9	78	16	103
602 - 212	L 39 + 00 E X 2 + 00 S	5	.2	64	15	159
602 - 213	L 39 + 00 E X 2 + 50 S	15	.3	46	12	210
602 - 214	L 39 + 00 E X 3 + 00 S	10	.6	99	12	480
602 - 215	L 39 + 00 E X 3 + 50 S	20	.3	116	12	320
602 - 216	L 39 + 00 E X 4 + 00 S	15	.6	80	14	240
602 - 217	L 39 + 00 E X 4 + 50 S	10	.9	93	17	290
602 - 218	L 39 + 00 E X 5 + 00 S	10	.4	44	17	106
602 - 219	41 + 00 E X 0 + 50 N	5	.4	61	14	99
602 - 220	41 + 00 E X 1 + 00 N	75	.6	26	19	69
602 - 221	41 + 00 E X 1 + 50 N	35	.5	37	17	68
602 - 222	41 + 00 E X 2 + 00 N	40	.1	29	18	73
602 - 223	41 + 00 E X 2 + 50 N	20	.3	36	43	117
602 - 224	41 + 00 E X 3 + 00 N	30	.4	20	23	52
602 - 225	41 + 00 E X 3 + 50 N	70	.9	46	24	136
602 - 226	41 + 00 E X 4 + 00 N	50	.4	38	77	104
602 - 227	41 + 00 E X 4 + 50 N	35	.8	29	35	83
602 - 228	41 + 00 E X 5 + 00 N	40	.7	35	23	106
602 - 229	L 41 + 00 E X 0 + 50 S	10	.5	36	16	70
602 - 230	L 41 + 00 E X 1 + 00 S	<5	.3	47	11	76
602 - 231	L 41 + 00 E X 1 + 50 S	20	.2	44	10	90
602 - 232	L 41 + 00 E X 2 + 00 S	5	.4	61	13	104
602 - 233	L 41 + 00 E X 2 + 50 S	15	.3	24	6	71
602 - 234	L 41 + 00 E X 3 + 00 S	5	.2	26	15	62
602 - 235	L 41 + 00 E X 3 + 50 S	60	.2	25	24	74
602 - 236	L 41 + 00 E X 4 + 00 S	<5	.3	23	36	94
602 - 237	L 41 + 00 E X 4 + 50 S	<5	1.6	49	14	160
602 - 238	L 41 + 00 E X 5 + 00 S	<5	.4	29	12	106
602 - 239	L 0 + 00 X BL	5	.2	37	16	116
602 - 240	L 1 + 00 E X BL	5	.5	56	11	87
602 - 241	L 2 + 00 E X BL	<5	.8	62	13	123
602 - 242	L 3 + 00 E X BL	<5	<.1	56	14	184
602 - 243	L 4 + 00 E X BL	<5	<.1	41	15	275
602 - 244	L 5 + 00 E X BL	<5	.3	87	12	400
602 - 245	L 6 + 00 E X BL	<5	.2	124	11	325
602 - 246	L 7 + 00 E X BL	<5	.4	73	14	256
602 - 247	L 8 + 00 E X BL	10	.9	92	18	320
602 - 248	L 9 + 00 E X BL	<5	.2	41	17	140
602 - 249	L 10 + 00 E X BL	<5	.4	54	13	124
602 - 250	L 39 + 00 E X BL	10	.3	23	16	92
602 - 251	L 40 + 00 E X BL	5	.4	27	14	66
602 - 252	L 41 + 00 E X BL	5	.3	21	19	82
602 - 253	L 42 + 00 E X BL	25	.2	30	37	114
602 - 254	L 43 + 00 E X BL	10	.1	13	19	64
602 - 255	L 1 + 00 W X BL	15	.3	42	16	156



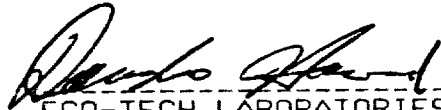
ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (804) 573-5700 Fax 573-4557

Placer Dome Inc.

AUGUST 24, 1989

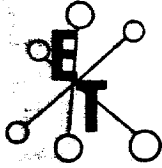
ET#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
602 - 256	L 2 + 00 W X BL	<5	.8	37	16	138
602 - 257	L 3 + 00 W X BL	<5	.7	29	13	125
602 - 258	L 4 + 00 W X BL	<5	.5	10	15	26
602 - 259	L 5 + 00 W X BL	10	6.2	223	33	180
602 - 260	L 6 + 00 W X BL	<5	1.1	48	15	159
602 - 261	L 7 + 00 W X BL	15	1.1	46	8	153
602 - 262	L 8 + 00 W X BL	5	2.3	81	15	204
602 - 263	L 9 + 00 W X BL	5	.5	48	16	164
602 - 264	L 10 + 00 W X BL	20	.5	50	15	140
602 - 265	L 15 + 00 W X BL	10	.6	104	44	167
602 - 266	L 16 + 00 W X BL	<5	.6	46	35	158
602 - 267	L 17 + 00 W X BL	10	1.3	88	37	178
602 - 268	L 18 + 00 W X BL	15	.8	67	45	215
602 - 269	L 19 + 00 W X BL	<5	.6	51	32	122
602 - 270	L 20 + 00 W X BL	10	1.5	116	70	260
602 - 271	L 21 + 00 W X BL	5	.9	32	17	99
602 - 272	L 22 + 00 W X BL	25	2.7	105	157	250
602 - 273	L 23 + 00 W X BL	5	.9	26	15	125
602 - 274	L 24 + 00 W X BL	15	.9	41	14	101
602 - 275	L 25 + 00 W X BL	<5	.5	24	25	42
602 - 276	L 26 + 00 W X BL	<5	.8	30	36	78
602 - 277	L 27 + 00 W X BL	10	.6	31	19	74
602 - 278	L 28 + 00 W X BL	<5	.4	38	14	137
602 - 279	L 29 + 00 W X BL	5	.6	39	10	98
602 - 280	L 30 + 00 W X BL	10	1.5	86	30	121
602 - 281	L 31 + 00 W X BL	<5	.4	50	22	91
602 - 282	L 32 + 00 W X BL	<5	.5	48	27	120
602 - 283	L 33 + 00 W X BL	25	.3	31	19	87
602 - 284	L 34 + 00 W X BL	10	.8	48	24	103
602 - 285	L 35 + 00 W X BL	5	.8	30	16	79



ECO-TECH LABORATORIES LTD.
DOUG HOWARD
B.C. Certified Assayer

cc: MERLE MATHERLY & SHERAN PATERSON
BOX 422
150 MILE HOUSE, B.C.
VOK 2G0

FAX: ROB PEASE
SC89/PLACER7



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING
 10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (804) 573-5700 Fax 573-4557

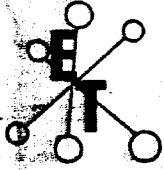
OCTOBER 19, 1989

CERTIFICATE OF ANALYSIS ETK 89-776

Placer Dome Inc.
 401, 1450 Pearson Place
 KAMLOOPS, B.C.
 V1S 1J9

DATE RECEIVED: OCTOBER 11, 1989 REJECTS: STORE
 PROJECT: GENERAL 1E PULPS: STORE
 NUMBER SAMPLES: 52
 TYPE SAMPLES: SOIL NOTE: > = MORE THAN

ET#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
776 - 1	L 38 + 00 E 0 + 50N	10	.2	23	25	106
776 - 2	L 38 + 00 E 1 + 00N	10	.3	18	22	114
776 - 3	L 38 + 00 E 1 + 50N	10	.4	19	18	119
776 - 4	L 38 + 00 E 2 + 00N	15	.3	18	23	94
776 - 5	L 38 + 00 E 2 + 50N	10	.7	28	37	92
776 - 6	L 38 + 00 E 3 + 00N	10	.2	19	29	83
776 - 7	L 38 + 00 E 3 + 50N	10	.5	36	26	142
776 - 8	L 38 + 00 E 4 + 00N	10	.5	33	28	247
776 - 9	L 38 + 00 E 4 + 50N	10	.7	31	39	147
776 - 10	L 38 + 00 E 5 + 00N	5	2.1	63	24	213
776 - 11	L 38 + 00 E 5 + 50N	5	.3	19	27	105
776 - 12	L 38 + 00 E 6 + 00N	10	.3	51	20	116
776 - 13	L 39 + 00 E 5 + 50N	10	1.4	53	26	241
776 - 14	L 39 + 00 E 6 + 00N	5	2.2	58	25	234
776 - 15	L 40 + 00 E 0 + 50N	15	.3	17	24	68
776 - 16	L 40 + 00 E 1 + 00N	5	(.01)	12	20	50
776 - 17	L 40 + 00 E 1 + 50N	10	.3	24	27	87
776 - 18	L 40 + 00 E 2 + 00N	10	.3	28	29	81
776 - 19	L 40 + 00 E 2 + 50N	5	.2	20	20	99
776 - 20	L 40 + 00 E 3 + 00N	10	.3	24	33	72
776 - 21	L 40 + 00 E 3 + 50N	15	.2	16	37	61
776 - 22	L 40 + 00 E 4 + 00N	5	1.3	42	34	132
776 - 23	L 40 + 00 E 4 + 50N	10	.7	14	30	109
776 - 24	L 40 + 00 E 5 + 00N	10	1.2	25	12	62
776 - 25	L 40 + 00 E 5 + 50N	5	.3	21	18	118
776 - 26	L 40 + 00 E 6 + 00N	5	.4	28	22	151
776 - 27	L 41 + 00 E 5 + 50N	5	1.3	41	26	155
776 - 28	L 41 + 00 E 6 + 00N	10	.9	54	100	193
776 - 29	L 42 + 00 E 0 + 50N	10	.1	16	28	79
776 - 30	L 42 + 00 E 1 + 00N	10	(.1)	26	23	57



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (804) 573-5700 Fax 573-4557

Placer Dome Inc.

ET#	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
776 - 31	L 42 + 00 E 1 + 50N	5	1.2	17	20	71
776 - 32	L 42 + 00 E 2 + 00N	10	.3	14	28	79
776 - 33	L 42 + 00 E 2 + 50N	5	.5	22	27	81
776 - 34	L 42 + 00 E 3 + 00N	10	.9	27	98	102
776 - 35	L 42 + 00 E 3 + 50N	5	<.1	22	24	69
776 - 36	L 42 + 00 E 4 + 00N	5	.3	12	18	54
776 - 37	L 42 + 00 E 4 + 50N	10	.2	24	34	87
776 - 38	L 42 + 00 E 5 + 00N	5	.2	23	29	139
776 - 39	L 42 + 00 E 5 + 50N	10	.8	31	21	111
776 - 40	L 42 + 00 E 6 + 00N	15	1.3	41	20	157
776 - 41	L 43 + 00 E 0 + 50N	10	.7	22	23	97
776 - 42	L 43 + 00 E 1 + 00N	25	.4	28	22	61
776 - 43	L 43 + 00 E 1 + 50N	10	.6	24	10	33
776 - 44	L 43 + 00 E 2 + 00N	20	.9	38	39	91
776 - 45	L 43 + 00 E 2 + 50N	15	.3	27	24	74
776 - 46	L 43 + 00 E 3 + 00N	5	.4	56	30	90
776 - 47	L 43 + 00 E 3 + 50N	10	.4	24	27	62
776 - 48	L 43 + 00 E 4 + 00N	10	.4	90	38	102
776 - 49	L 43 + 00 E 4 + 50N	5	.2	13	18	54
776 - 50	L 43 + 00 E 5 + 00N	10	.3	14	19	63
776 - 51	L 43 + 00 E 5 + 50N	10	.2	12	15	54
776 - 52	L 43 + 00 E 6 + 00N	5	.3	20	20	83

NOTE: < = less than

Julita Jealouse
ECO-TECH LABORATORIES LTD.
JULITA JEALOUSE
B.C. Certified Assayer

CC: MERLE MATHERLY &
SHERAN PATERSON
BOX 422
150 MILE HOUSE, B.C.
V0K 2G0

FAX: ROB PLEASE
5082/PLACER

PLACER DOME INC.

Placer Data Analysis System - STATS

run on 89:11:06 at 8:18:53

SPANISH CREEK SOILS

Summary of data from file : spanish.sol

This data file contains an internal header: (5 records)
Data grouped into 9 fields
with format: (2A8, 2F10.2, 5F10.2)

Character ID fields:
LAB# NUMB

Coordinate fields:
EAST NRTH

Other data fields:
AU AG CU PB ZN

Missing data indicated by NULL value 99999.0

BASIC STATISTICS OF SELECTED DATA FIELDS:

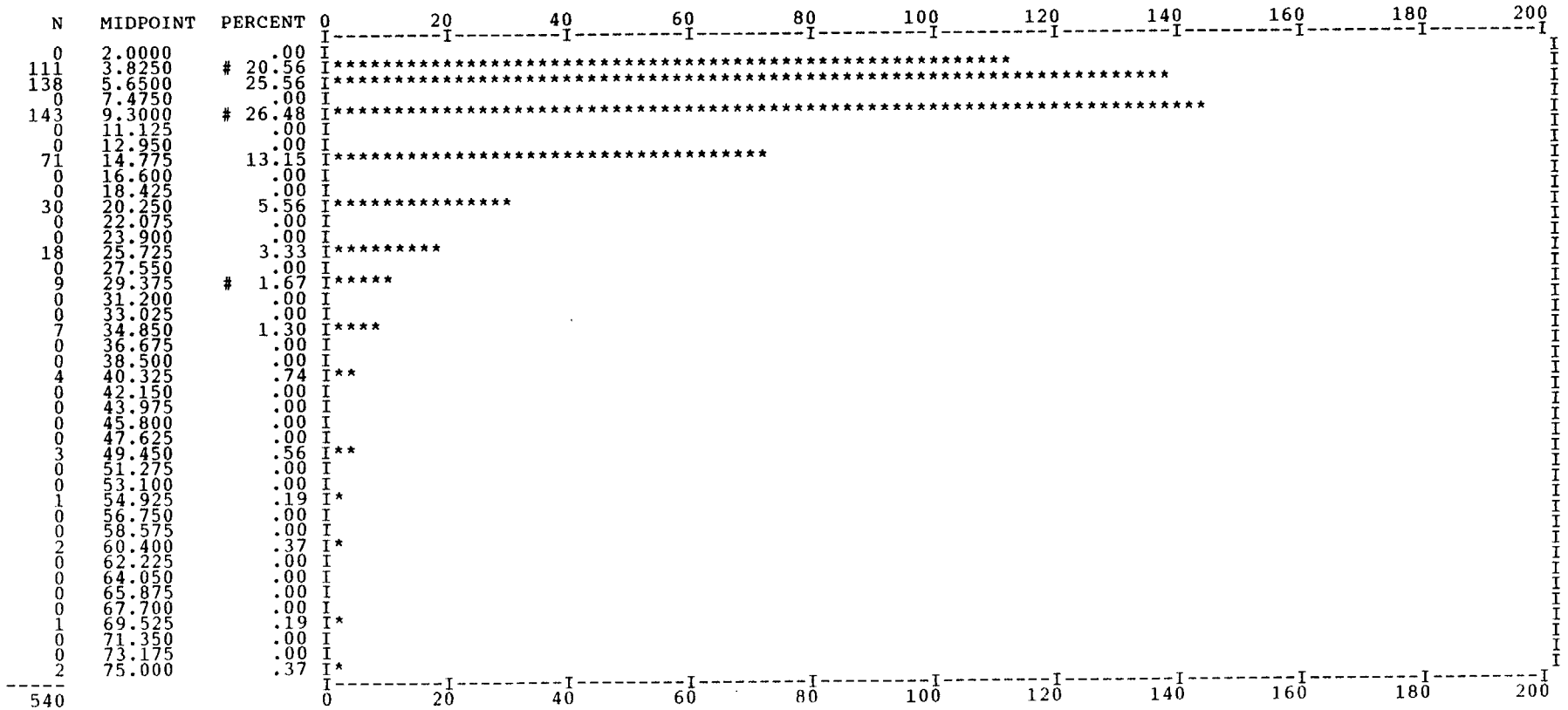
NAME	N	DATA	NULLS	MINIMUM	MAXIMUM	MEAN	STD. DEV.	GEOM. MEAN	DISPERSION	
AU	540		0	3.00000	75.0000	10.7185	9.90542	7.96412	3.78181	16.7716
AG	540		0	.500000E-01	6.20000	.475649	.544439	.297345	.108903	.811859
CU	540		0	8.00000	580.000	43.7019	44.4939	34.5061	18.4406	64.5678
PB	540		0	2.00000	985.000	25.3704	49.5291	19.1465	10.6144	34.5369
ZN	540		0	24.0000	600.000	104.754	66.5353	90.1421	52.9155	153.558

HISTO:

SPANISH CREEK SOILS

RUN ON 89:11:06 AT 8:18:53

File: spanish.sol Field name: AU LOG = 0 REPVAL = .00100
 540 SAMPLES WITH AU MINIMUM: 3.00000 MAXIMUM: 75.0000
 540 VALUES PLOTTED: 0 NOT IN RANGE 2.00000 to 75.0000
 MEAN: 10.7185 STD. DEV.: 9.90542
 SCALE OF HISTOGRAM IS 2.00 COUNTS /PRINT POSITION # = 5,50,95%



HISTO:

SPANISH CREEK SOILS

RUN ON 89:11:06 AT 8:18:53

File: spanish.sol

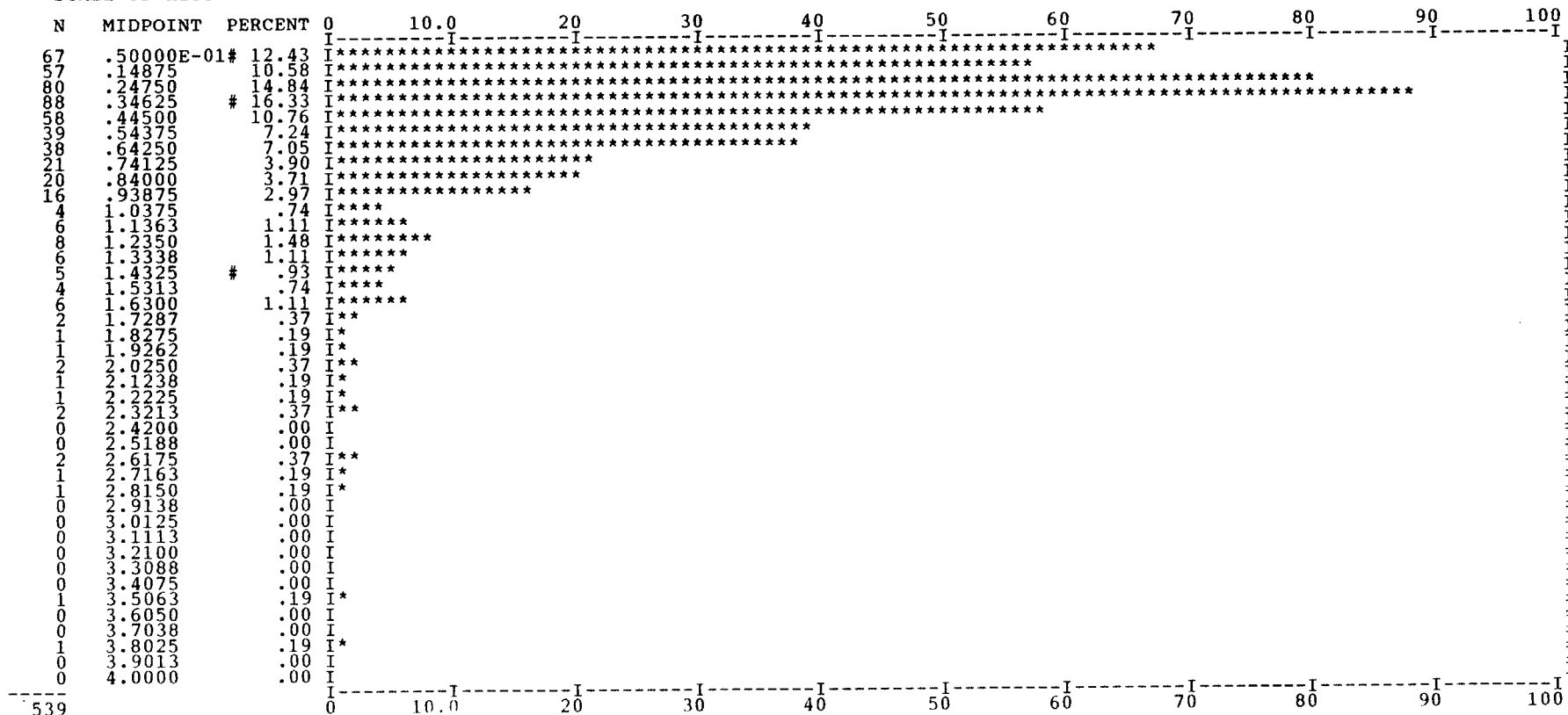
Field name: AG LOG = 0 REPVAL = .00100

540 SAMPLES WITH AG MINIMUM: .500000E-01 MAXIMUM: 6.20000

539 VALUES PLOTTED: 1 NOT IN RANGE .500000E-01 to 4.00000

MEAN: .465028 STD. DEV.: .485741

SCALE OF HISTOGRAM IS 1.00 COUNTS /PRINT POSITION # = 5,50,95%



HISTO:

SPANISH CREEK SOILS

RUN ON 89:11:06 AT 8:18:53

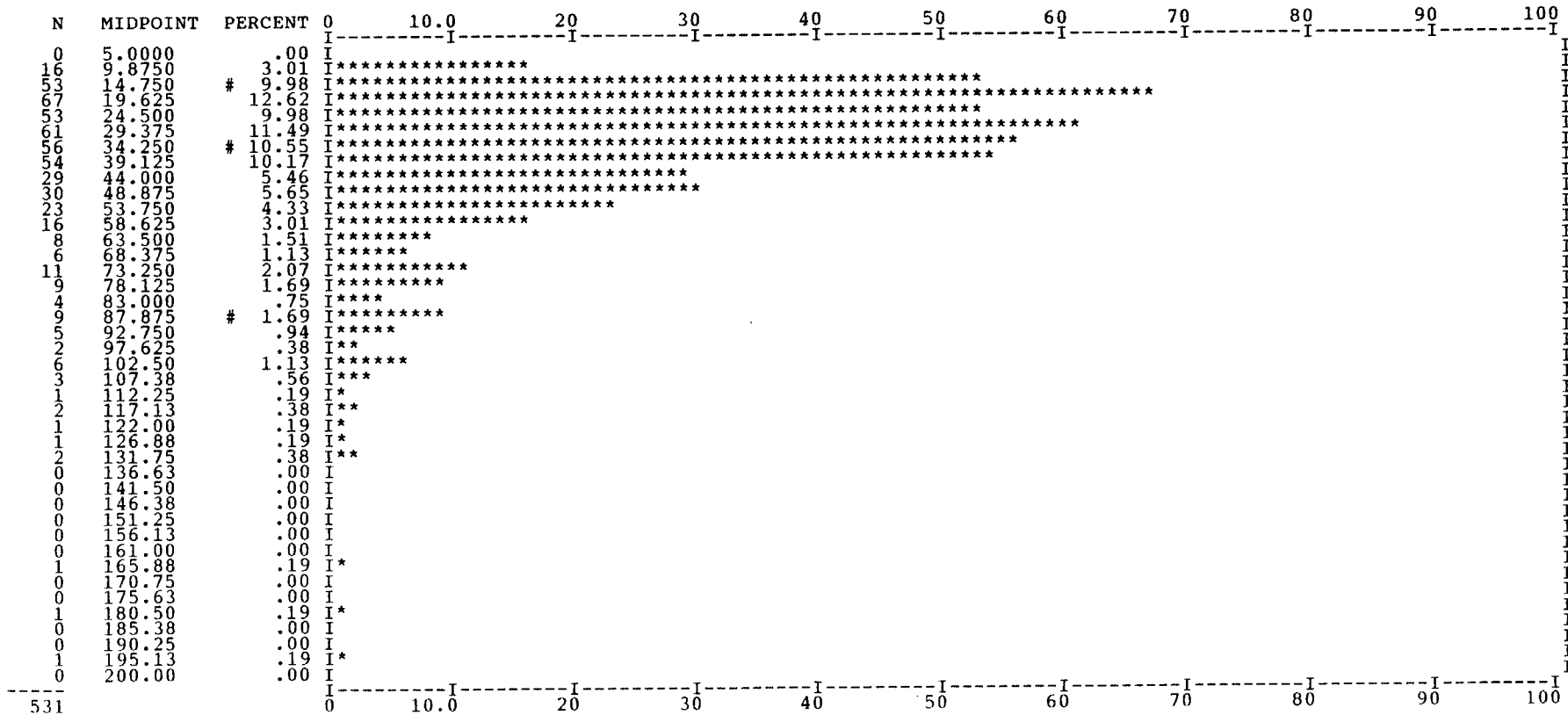
File: spanish.sol Field name: CU LOG = 0 REPVAL = .00100

540 SAMPLES WITH CU MINIMUM: 8.00000 MAXIMUM: 580.000

531 VALUES PLOTTED: 9 NOT IN RANGE 5.00000 to 200.000

MEAN: 39.2750 STD. DEV.: 25.2079

SCALE OF HISTOGRAM IS 1.00 COUNTS /PRINT POSITION # = 5,50,95%



HISTO:

SPANISH CREEK SOILS

RUN ON 89:11:06 AT 8:18:53

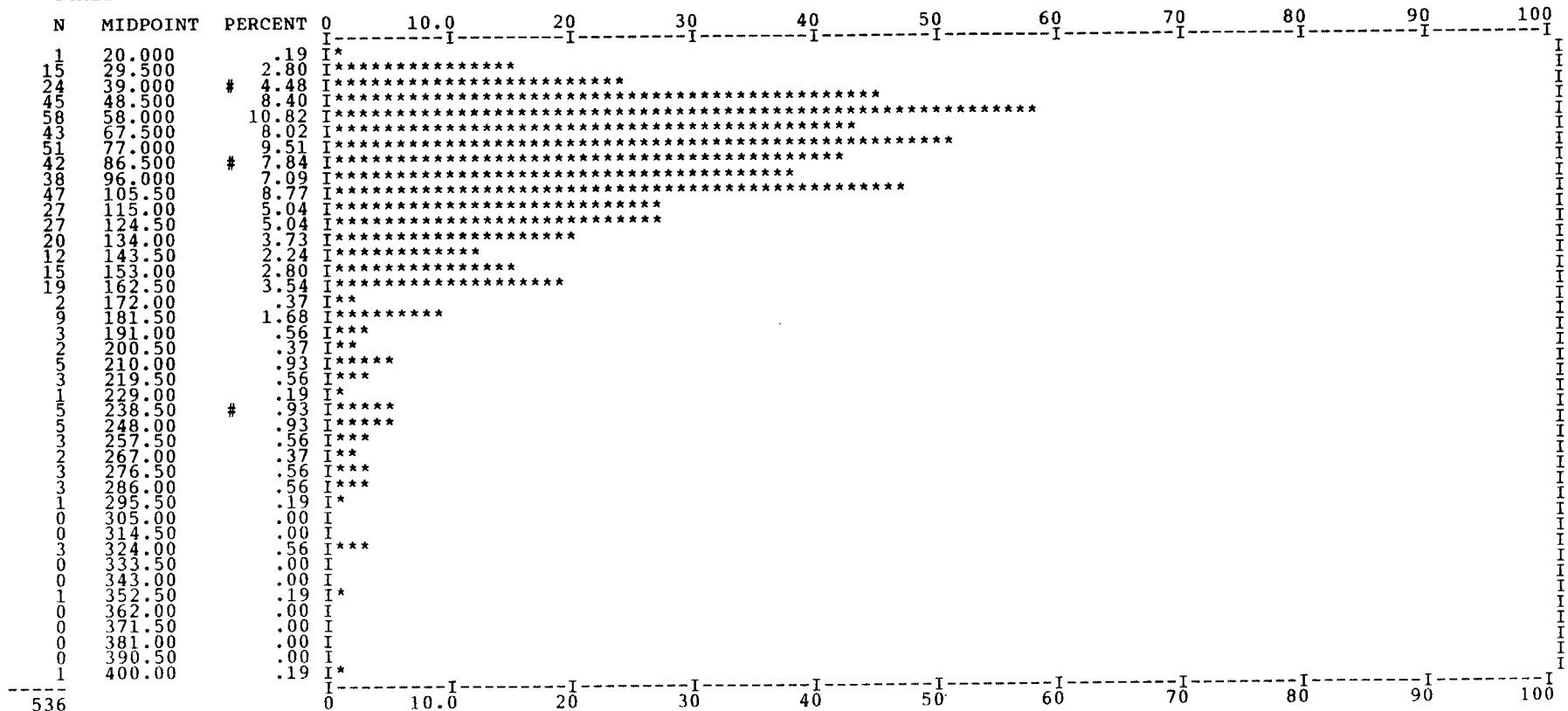
File: spanish.sol Field name: ZN LOG = 0 REPVAL = .00100

540 SAMPLES WITH ZN MINIMUM: 24.0000 MAXIMUM: 600.000

536 VALUES PLOTTED: 4 NOT IN RANGE 20.0000 to 400.000

MEAN: 101.851 STD. DEV.: 57.3490

SCALE OF HISTOGRAM IS 1.00 COUNTS /PRINT POSITION # = 5,50,95%



HISTO:

SPANISH CREEK SOILS

RUN ON 89:11:06 AT 8:18:53

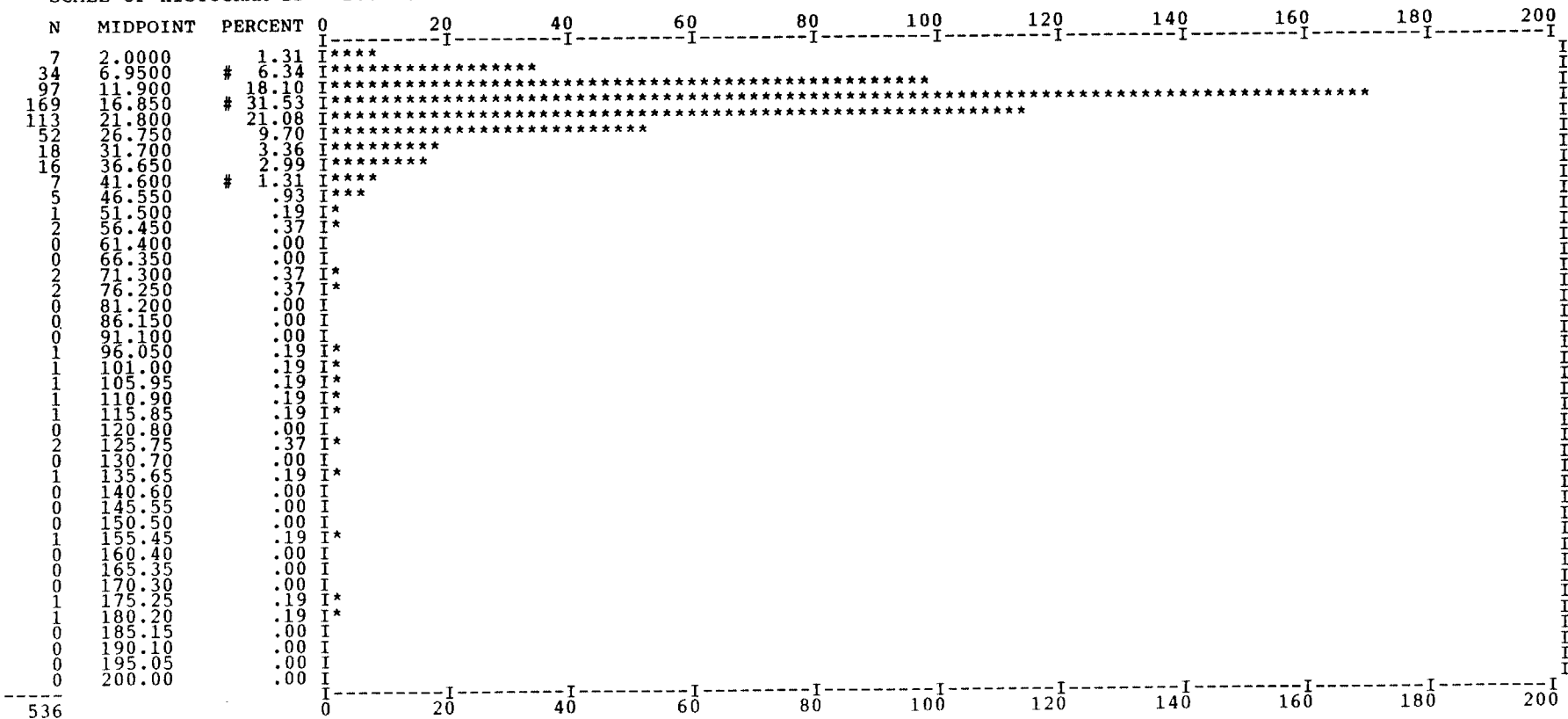
File: spanish.sol Field name: PB LOG = 0 REPVAL = .00100

540 SAMPLES WITH PB MINIMUM: 2.00000 MAXIMUM: 985.000

536 VALUES PLOTTED: 4 NOT IN RANGE 2.00000 to 200.000

MEAN: 22.1250 STD. DEV.: 18.7272

SCALE OF HISTOGRAM IS 2.00 COUNTS /PRINT POSITION # = 5,50,95%



CORMAT: RUN ON 89:11:06 AT 8:18:53

Data from file: spanish.sol

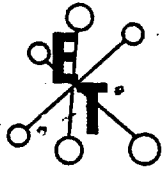
SPANISH CREEK SOILS

Correlation matrix for 540 records with 5 variables

LOG:	AU	AG	CU	PB	ZN
	0	0	0	0	0
AU	1.000	-.074	.013	.039	-.040
AG	-.074	1.000	.192	.167	.281
CU	.013	.192	1.000	.050	.301
PB	.039	.167	.050	1.000	.249
ZN	-.040	.281	.301	.249	1.000

Number of data pairs contributing to correlation

	AU	AG	CU	PB	ZN
AU	540	540	540	540	540
AG	540	540	540	540	540
CU	540	540	540	540	540
PB	540	540	540	540	540
ZN	540	540	540	540	540



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

I N V O I C E

DATE: JULY 25, 1989

PLACER DOME INC.
401, 1540 PEARSON PLACE
KAMLOOPS, B.C.
V1S 1J9

INVOICE #: ETK 89-440

A N A L Y S E S

PRICE/SAMPLE

AMOUNT

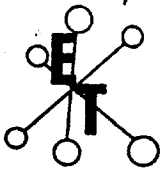
PROJECT: 1E - GENERAL
=====

118	SAMPLE PREPS. (SOIL)	1.00	118.00
118	AU GEOCHEM	6.75	796.50
118	SETS AG/PB/CU/ZN GEOCHEM	5.00	590.00

SUB-TOTAL: 1504.50
LESS 10% DISCOUNT: 150.45

TOTAL DUE & PAYABLE UPON RECEIPT: 1354.05

TERMS: NET 30 DAYS. INTEREST AT RATE OF 1-1/2% PER MONTH (18% PER ANNUM)
WILL BE CHARGED ON OVERDUE ACCOUNTS.



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

I N V O I C E

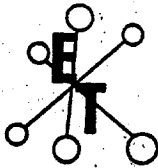
PLACER DOME INC.
401, 1540 PEARSON PLACE
KAMLOOPS, B.C.
V1S 1J9

DATE: AUGUST 10, 1989

INVOICE #: ETK 89-514

A N A L Y S E S		PRICE/SAMPLE	AMOUNT
PROJECT: 1E - GENERAL			
85	SAMPLE PREPS. (SOIL)	1.00	85.00
85	AU GEOCHEM	6.75	573.75
85	SETS AG/PB/CU/ZN GEOCHEM	5.00	425.00
SUB-TOTAL:			1083.75
LESS 10% DISCOUNT:			108.38
TOTAL DUE & PAYABLE UPON RECEIPT:			975.37

TERMS: NET 30 DAYS. INTEREST AT RATE OF 1-1/2% PER MONTH (18% PER ANNUM)
WILL BE CHARGED ON OVERDUE ACCOUNTS.



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

I N V O I C E

PLACER DOME INC.
401, 1540 PEARSON PLACE
KAMLOOPS, B.C.
V1S 1J9

DATE: AUGUST 24, 1989

INVOICE #: ETK 89-602

A N A L Y S E S

PRICE/SAMPLE

A M O U N T

PROJECT: 1E - GENERAL
=====

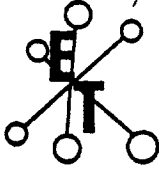
285	SAMPLE PREPS. (SOIL)	1.00	285.00
285	AU GEOCHEM	6.75	1923.75
285	SETS AG/PB/CU/ZN GEOCHEM	5.00	1425.00

SUB-TOTAL:	3633.75
LESS 10% DISCOUNT:	363.38

TOTAL DUE & PAYABLE UPON RECEIPT:	3270.37
-----------------------------------	---------

TERMS: NET 30 DAYS. INTEREST AT RATE OF 1-1/2% PER MONTH (18% PER ANNUM)
*WILL BE CHARGED ON OVERDUE ACCOUNTS.

80154-71-1E BB



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

I N V O I C E

DATE: OCTOBER 19, 1989

LACER DOME INC.
31, 1540 PEARSON PLACE
KAMLOOPS, B.C.
V2C 1J9

INVOICE #: ETK 89-776

ANALYSES	PRICE/SAMPLE	AMOUNT
PROJECT: 1E - GENERAL		
52 SAMPLE PREPS. (SOIL)	1.00	52.00
52 AU GEOCHEM	6.75	351.00
52 SETS AG/PB/CU/ZN GEOCHEM	5.00	260.00
SUB-TOTAL:		663.00
LESS 10% DISCOUNT:		66.30
TOTAL DUE & PAYABLE UPON RECEIPT:		596.70

TERMS: NET 30 DAYS. INTEREST AT RATE OF 1-1/2% PER MONTH (18% PER ANNUM)
WILL BE CHARGED ON OVERDUE ACCOUNTS.

GREYHOUND COURIER EXPRESS

COLLECT	DESTINATION STATION Kamloops B.C.		CONSIGNEE ACCT NO. SUB ACCOUNT NO.							
	CONSIGNEE C Co Tec Labs		FWDG. AGENT SB	TARIFF WT. 303 lbs.	DATE SHIPPED 08/01/89	TIME 3 P.M.				
	STREET ADDRESS		PHONE 573-5700	TRANS. SCHED.	TRANS. SCHED.	ARR. SCHED. NO.				
EXPRESS RECEIPT (NON-NEGOTIABLE)	NO. PCS.	UN. NO.	CONTENTS	ENV. <input type="checkbox"/>	PKG. <input checked="" type="checkbox"/>	PICKUP DRIVER	DELIVERY DRIVER	STATION TO STATION	\$ 49.35	
	SHIPPER'S NAME Merle Matherly		STREET ADDRESS		1391190592		LIABILITY FOR LOSS, DAMAGE OR DELAY IS LIMITED BY CARRIER. REFER TO BACK OF SHIPPER'S RECEIPT FOR DETAILS OR CONSULT AGENT.			
	ORIGIN CITY & PROV. Wms Lake		POSTAL CODE	ACCOUNT NO.	SHIPPER'S SIGNATURE X Merle Matherly		MISC. CHARGES \$			
	DECLARED VALUE		MAX VALUE ACCEPTED \$1000.00		SHIPPER'S SIGNATURE		VALUE CHARGE \$			
	TOTAL COLLECT						PICKUP CHARGE \$			

GREYHOUND LINES OF CANADA LTD.

A Greyhound Company

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GREYHOUND COURIER EXPRESS

COLLECT	DESTINATION STATION Kamloops B.C.		CONSIGNEE ACCT NO. SUB ACCOUNT NO.							
	CONSIGNEE Eco-Tech Lab		FWDG. AGENT SB	TARIFF WT. 97 lbs.	DATE SHIPPED 07/28/89	TIME 3 P.M.				
	STREET ADDRESS 10041 East Trans Hwy		PHONE	TRANS. SCHED.	TRANS. SCHED.	ARR. SCHED. NO.				
EXPRESS RECEIPT (NON-NEGOTIABLE)	NO. PCS.	UN. NO.	CONTENTS	ENV. <input type="checkbox"/>	PKG. <input checked="" type="checkbox"/>	PICKUP DRIVER	DELIVERY DRIVER	STATION TO STATION	\$ 16.95	
	SHIPPER'S NAME Merle Matherly		STREET ADDRESS		1391198701		LIABILITY FOR LOSS, DAMAGE OR DELAY IS LIMITED BY CARRIER. REFER TO BACK OF SHIPPER'S RECEIPT FOR DETAILS OR CONSULT AGENT.			
	ORIGIN CITY & PROV. Wms Lake		POSTAL CODE	ACCOUNT NO.	SHIPPER'S SIGNATURE X Merle Matherly		MISC. CHARGES \$			
	DECLARED VALUE		MAX VALUE ACCEPTED \$1000.00		SHIPPER'S SIGNATURE		VALUE CHARGE \$			
	TOTAL COLLECT						PICKUP CHARGE \$			

GREYHOUND LINES OF CANADA LTD.

A Greyhound Company

THIS COPY MUST BE REMOVED BY RECEIVING EXPRESS AGENT.

GREYHOUND COURIER EXPRESS

COLLECT	DESTINATION STATION Kamloops B.C.		CONSIGNEE ACCT NO. SUB ACCOUNT NO.							
	CONSIGNEE Eco-Tech Labs		FWDG. AGENT SB	TARIFF WT. 113 lbs.	DATE SHIPPED 07/03/89	TIME 3 P.M.				
	STREET ADDRESS		PHONE 573-3700	TRANS. SCHED.	TRANS. SCHED.	ARR. SCHED. NO.				
EXPRESS RECEIPT (NON-NEGOTIABLE)	NO. PCS.	UN. NO.	CONTENTS	ENV. <input type="checkbox"/>	PKG. <input checked="" type="checkbox"/>	PICKUP DRIVER	DELIVERY DRIVER	STATION TO STATION	\$ 19.05	
	SHIPPER'S NAME Merle Matherly		STREET ADDRESS		1391196774		LIABILITY FOR LOSS, DAMAGE OR DELAY IS LIMITED BY CARRIER. REFER TO BACK OF SHIPPER'S RECEIPT FOR DETAILS OR CONSULT AGENT.			
	ORIGIN CITY & PROV. Wms Lake		POSTAL CODE	ACCOUNT NO.	SHIPPER'S SIGNATURE X Merle Matherly		MISC. CHARGES \$			
	DECLARED VALUE		MAX VALUE ACCEPTED \$1000.00		SHIPPER'S SIGNATURE		VALUE CHARGE \$			
	TOTAL COLLECT						PICKUP CHARGE \$			

GREYHOUND LINES OF CANADA LTD.

A Greyhound Company

THIS COPY MUST BE REMOVED BY RECEIVING EXPRESS AGENT.



PLACER DOME INC.

KAMLOOPS DISTRICT EXPLORATION OFFICE
401-1450 PEARSON PLACE
KAMLOOPS, B.C.
CANADA V1S 1J9
TEL.: (604)828-6899
FAX (604)828-8766

November 21, 1989

To Whom It May Concern:

The following is a reference letter for Mr. Merle Matherly and Ms. Sheran Paterson.

I have come to know Mr. Matherly and Ms. Paterson over the past year, with regard to their prospecting efforts in the Spanish Creek area. They hold mineral claims in this area, and have been diligently prospecting them for the past few years. I have found their prospecting and data compilation methods to be very professional.

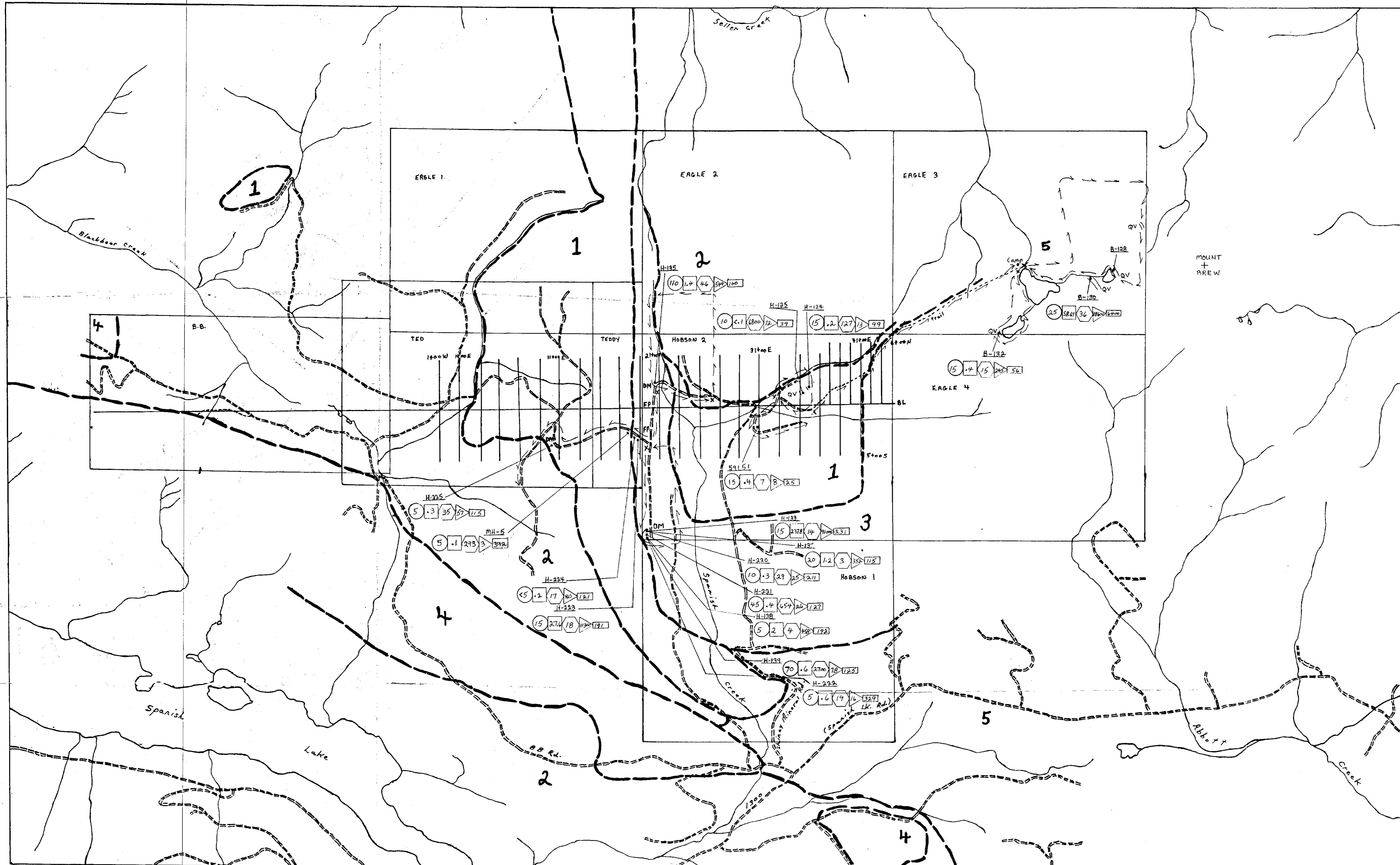
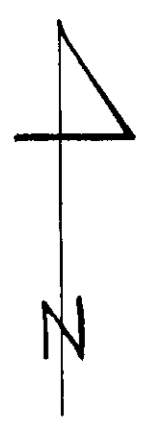
During the summer of 1989, I instructed Mr. matherly and Ms. Paterson in soil sampling techniques. They proceeded to conduct a soil survey on their claims. To the best of my knowledge, the soil sampling was conducted within industry standard practices.

Placer Dome Inc. paid for the analysis of the soil samples, and we consent to Mr. matherly and Ms. Paterson using the appropriate value for assessment credit. Placer Dome also provided some assistance with the analysis and display of the soil data.

Yours truly,

Robert B. Pease,
Geologist,
PLACER DOME INC.

RBP/ars



GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,415

LEGEND

NTS 93 A/11 E & W

ROCK TYPES

- 1 Crooked Amphibolite - chlorite-rich
- 2 Cariboo Series - black phyllite
- 3 Sericite Schist - alteration
- 4 Volcanic Breccia - green (marine)
- 5 Snowshoe Group

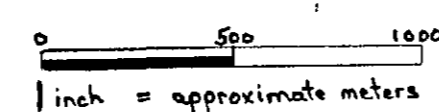
QV quartz vein
 PP feldspar quartz porphyry
 DM dolomitic mass with mariposite
 T traverse

- Au ppm
- Ag ppm
- Cu ppm
- Pb ppm
- Zn ppm

By: Susan Paterson, 1989

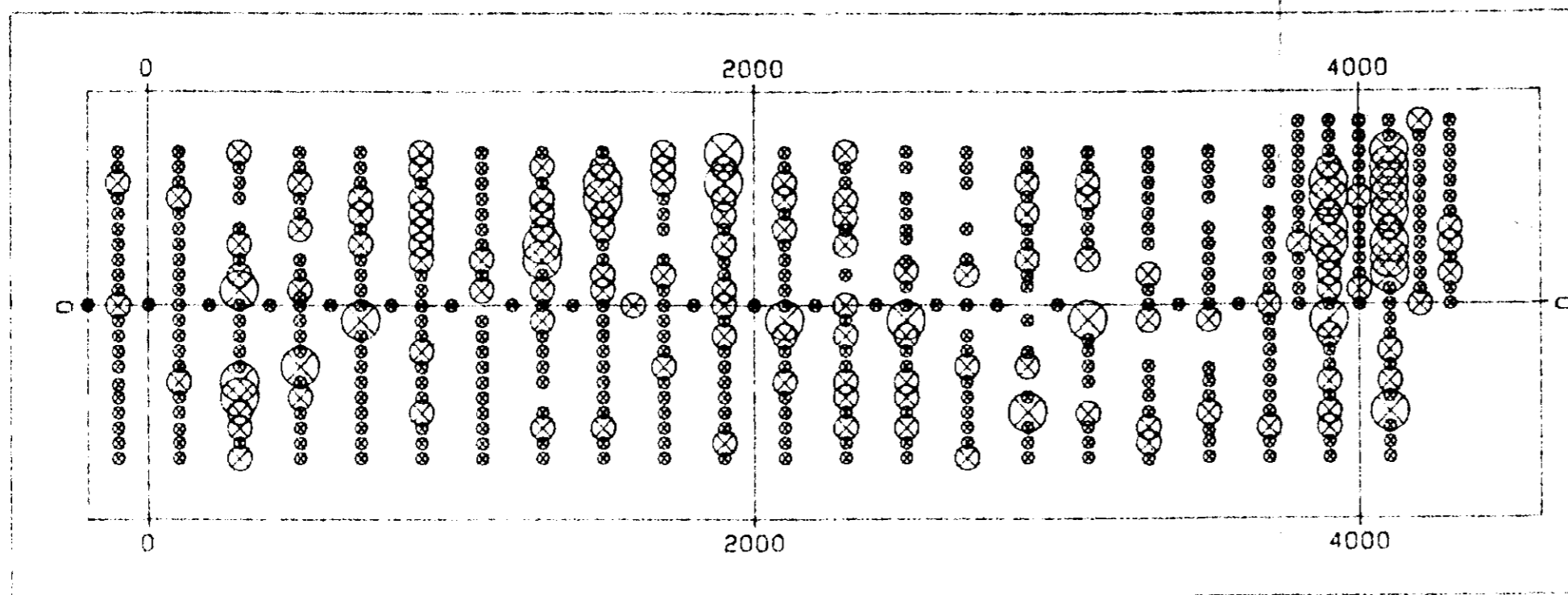
SPANISH CREEK PROJECT

Scale 1:20000



1 inch = approximate meters

NEM CREATED RUN FILE: 11:20 18/ 9/89



FIELD FILE
POINTS: AU SPANISH SOL

- GOLD < 15 ppb
- ⊗ GOLD 15 - 30 ppb
- GOLD > 30 ppb

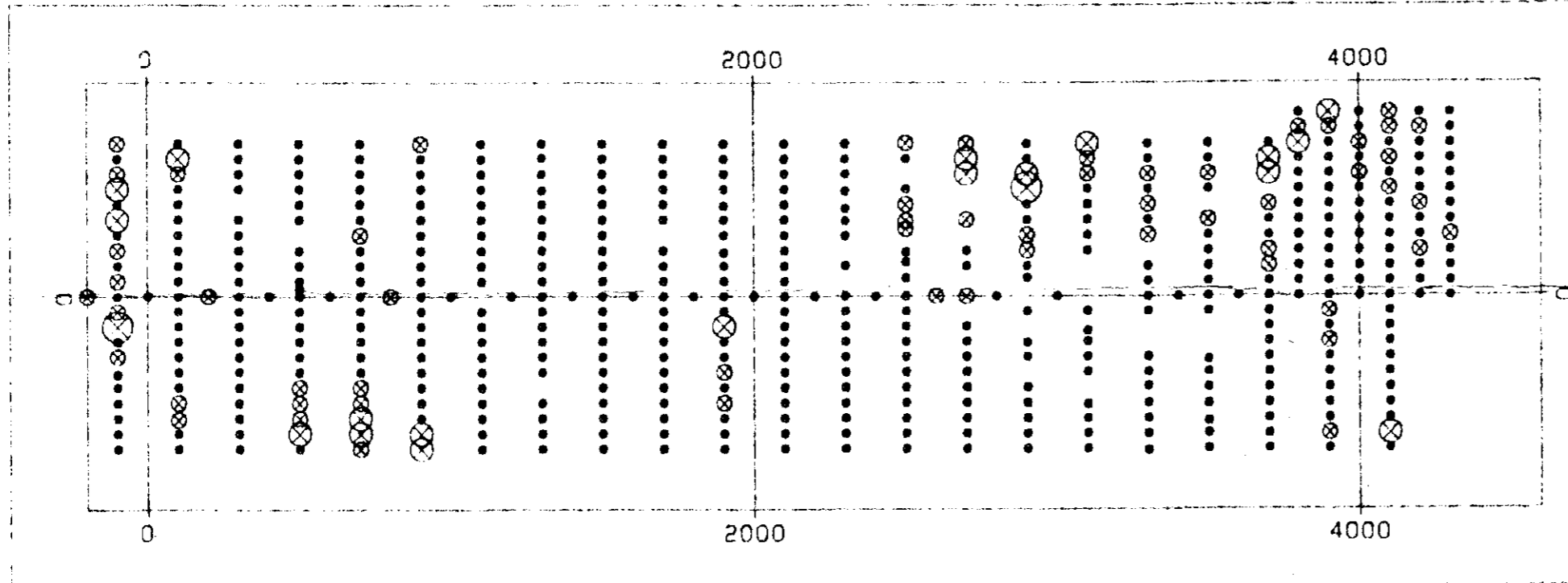
0 500 1000 1500 2000
METRES

PLACER DOME INC
SPANISH CREEK
AU SOILS

DRAWN NEM
DATE 3/11/89
SCALE 1:20000

ND PLATE

NEM CREATED RUN FILE: 11:20 18/ 9/89



FIELD FILE
POINTS: AG SPANISH SOL

- SILVER < 0.8 ppm
- ⊗ SILVER 0.8 - 3.2 ppm
- SILVER > 3.2 ppm

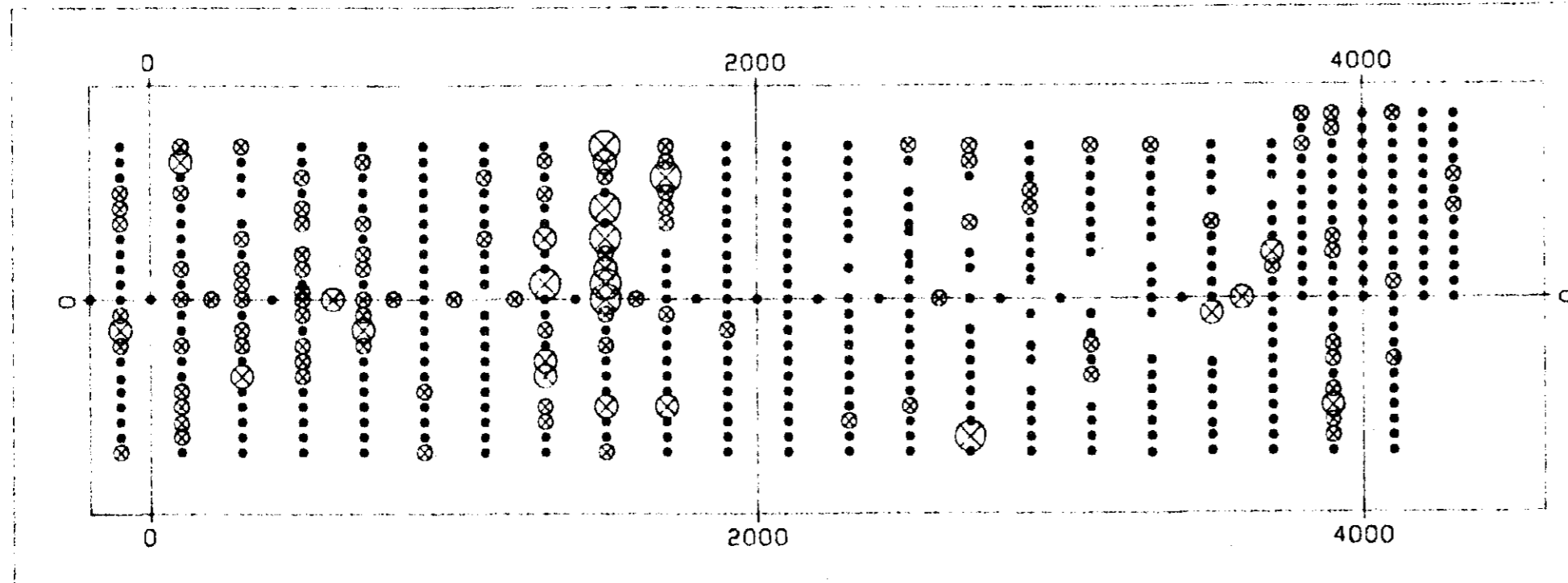
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METRES

PLACER DOME INC
SPANISH CREEK
AG SOILS

DRAWN NEM
DATE 3/11/89
SCALE 1:20000

ND PLATE

NEM CREATED RUN FILE: 11:20 18/ 9/89



FIELD FILE
POINTS: CU SPANISH SOL

- COPPER < 50 ppm
- ⊗ COPPER 50 - 100 ppm
- ⊗ COPPER 100 - 200 ppm
- COPPER > 200 ppm

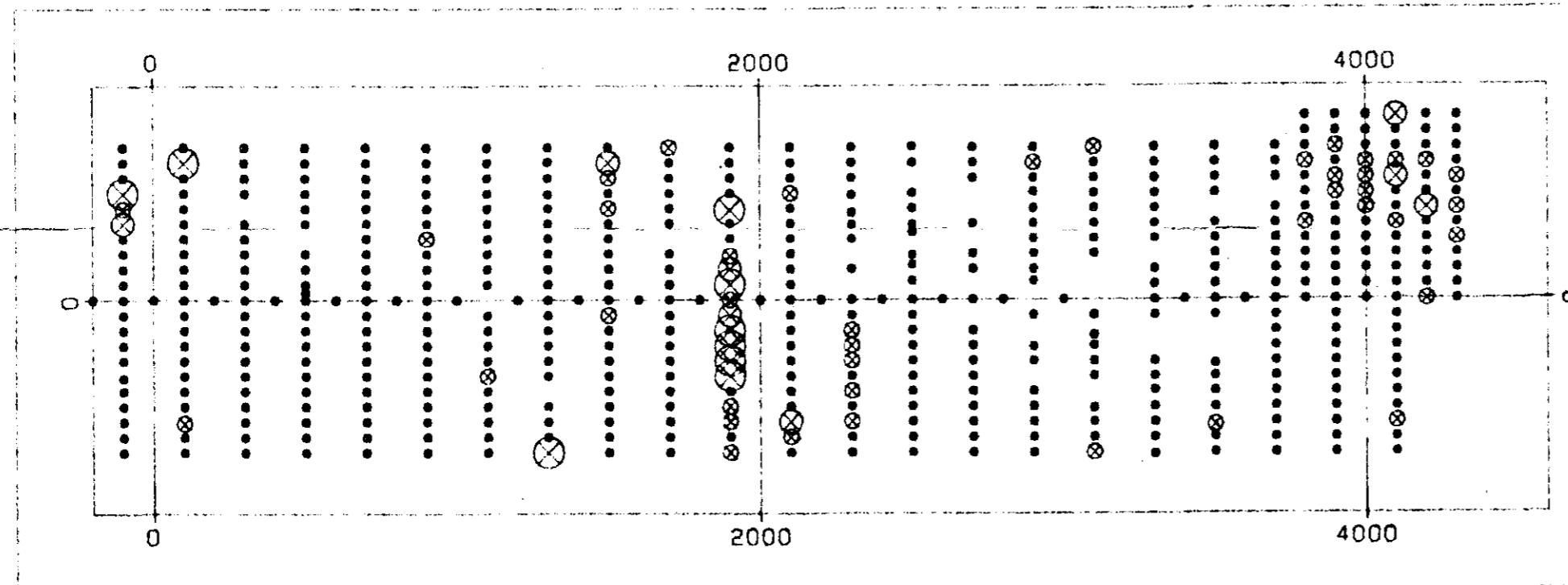
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METRES

PLACER DOME INC
SPANISH CREEK
CU SOILS

DRAWN NEM
DATE 3/11/89
SCALE 1:20000

ND PLATE

NEM CREATED RUN FILE: 11:20 18/ 9/89



FIELD FILE
POINTS: PB SPANISH SOL

- LEAD < 30 ppm
- ⊗ LEAD 30 - 60 ppm
- LEAD 60 - 120 ppm
- ⊗ LEAD > 120 ppm

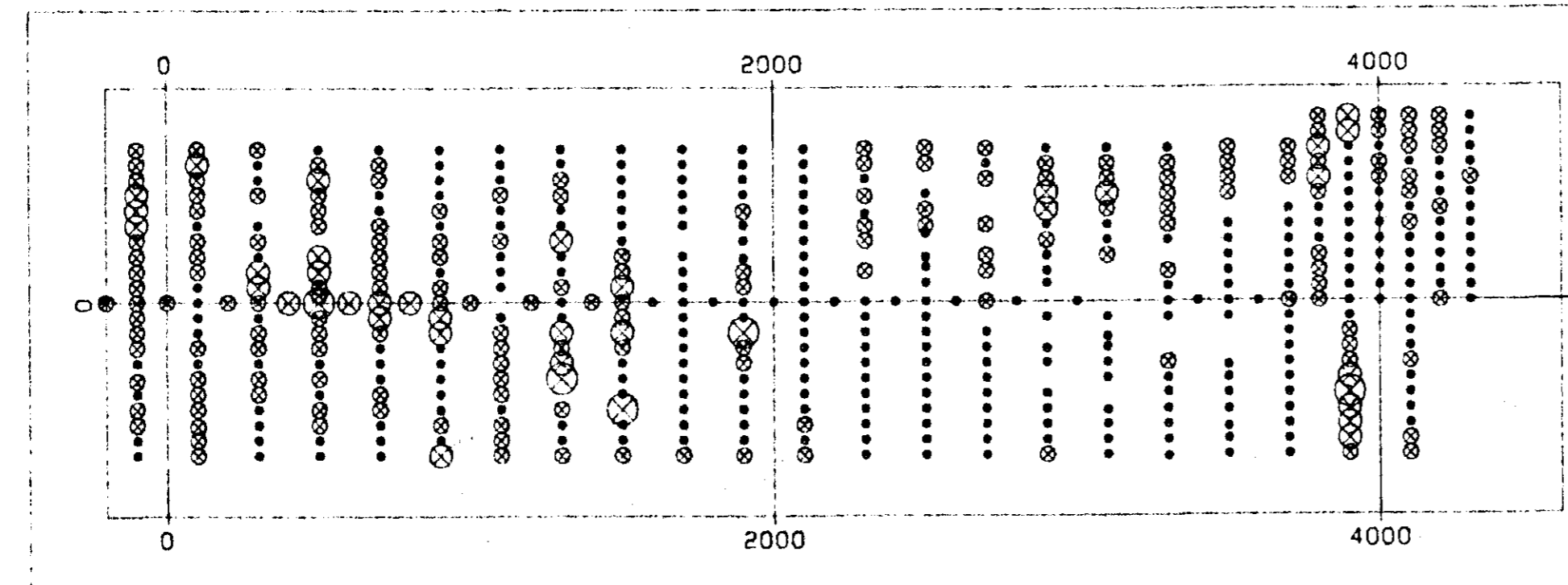
0 500 1000 1500 2000
METRES

PLACER DOME INC
SPANISH CREEK
PB SOILS

DRAWN NEM
DATE 3/11/89
SCALE 1:20000

ND PLATE

NEM CREATED RUN FILE: 11:20 18/ 9/89



FIELD FILE
POINTS: ZN SPANISH SOL

- ZINC < 100 ppm
- ⊗ ZINC 100 - 200 ppm
- ZINC 200 - 400 ppm
- ⊗ ZINC > 400 ppm

0 500 1000 1500 2000
METRES

PLACER DOME INC
SPANISH CREEK
ZN SOILS

DRAWN NEM
DATE 3/11/89
SCALE 1:20000

ND PLATE

19415