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**REPORT ON A**

**GEOLOGICAL, GEOCHEMICAL  
TRENCHING AND DRILLING  
PROGRAM  
ON THE**

**HEN GROUP  
(HEN 5 - 19 MINERAL CLAIMS)**

**CARIBOO MINING DIVISION**

**NTS 93 A/2**

**LAT. 52° 01' N  
LONG. 120° 44' W**

**Owner: David W. Ridley  
Eagle Cr., B.C.  
V0K 1L0**

**Operator: Pioneer Metals Corp.  
#1770 - 401 West Georgia St.  
Vancouver, B.C.  
V6B 5A1**

**Work Approval Number: MX-10-141**

**FILMED**

**Authors: David St. C. Dunn, P.Geo.  
David W. Ridley**

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT  
December 30, 1994**

**23,770**

## 1.0 Summary

The Hen Group is owned by David W. Ridley. Pioneer has the right to earn 100% of the property by making further cash payments totalling \$30,000 dollars by January 1, 1996 and performing a further \$55,200 of work on the property by December 31, 1997. Ridley will maintain a 2% N.S.R. royalty subject to a \$2 million buyout.

Ridley discovered the mineralization in 1992 in a number of float boulders containing arsenopyrite, pyrrhotite, and minor stibnite in hornfelsed Andesite Tuff with gold values up to 9.0 gm/tonne.

Pioneer optioned the property in June, 1993 and carried out a program of prospecting, reconnaissance soil and rock chip sampling, and limited mechanized trenching. Two other zones of anomalous gold values were outlined, but the source of the high grade float was not found.

A program consisting of geological mapping, grid soil geochemistry, mechanized trenching, and two NQ diamond drill holes totalling 199 meters was carried out in 1994 and is the subject of this report.

Geological mapping, combined with air photo interpretation, outlined a major east-west trending regional structure, traced for 11 km, that crosses the area of the high grade float. This structure was assumed to be the source of the mineralized float, and mechanized trenching was laid out to cross this structure. Trenching approximately 50 meters up slope from the float uncovered a 2.1 meter wide calcite, quartz, arsenopyrite vein grading 3.98 gm/t in the large east-west trending structure. This structure was present for the whole 54 meter length of the trench. Strong potassic alteration in the form of biotite, intense shearing and ubiquitous quartz-calcite stringers and veins are the main manifestations of the regional structure. The altitude of the structure varies in detail, but trends 97° to 105° and dips 64°N to 72°N.

Based on these results, two N.Q. diamond drill holes were drilled from the same set-up, roughly 15 meters north of the mineralization in the trench. Both holes were drilled at a bearing of 160°, Hen 94-1 at -45° for 157.3m, and Hen 94-2 at -70° for 41.8 meters. Both holes intersected the down dip extension of the mineralization trenched on surface, but in both cases the mineralization had horsetailed, giving geochemically anomalous values over 12.4 meters in the Hen 94-1 and 15.3 meters in Hen 94-2. Drill hole Hen 94-1 intersected another zone of calcite-quartz with pyrrhotite and arsenopyrite from 63.0 to 73.0 meters. Eight meters of this zone assay 0.86 gm/tonne gold.

## 2.0 Conclusions

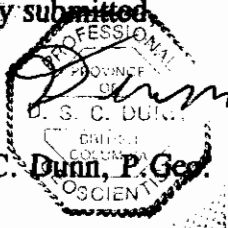
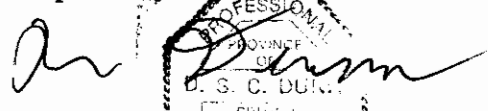
A new gold discovery has been made on the Hen property. Mineralization is associated with a regional scale structure at least 144.8 meters wide, where tested. This structure is part of a tectonic scale transverse structure. Right lateral movement on the Hendrix Creek fault has offset this structure and the structure on the Hen is most probably the continuation of the Ten Mile Fault, located immediately north of the Boss Mountain Molybdenum Mine. Calcite-Quartz Arsenopyrite mineralization has been sampled in a trench and returned ore grade mineralization over a mineable width (3.98 gm/t over 21 meters). This mineralization returned geochemically anomalous values over wide intersections in two drill holes. Another zone of Calcite-Quartz Arsenopyrite mineralization returned highly anomalous values (0.86 gm/t over 8.0 meters). Further work is definitely warranted.

## 3.0 Recommendations

A Magnetometer/VLF geophysical survey should be carried out on north south lines with 100 meter line spacing and 25 meter station spacing from 500 meters west of the trench showing to 1.5 kilometers east of this area. A 2,000 meter diamond drill program should be carried out following the geophysical program. At least one hole should be drilled north, under the area of Hen-94-1. The steep slope makes it possible to drill this hole from the junction of the access road to Hen-94-1 and the 6300 logging road. The other holes, probably five, should be drilled to intersect the main structure at short (< 50 meters) step-outs from Hen 94-1.

The proposed program would cost approximately \$250,000 and take six weeks.

Respectfully submitted,



David St. C. Dunn, P. Geol.

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<b>Map 3</b>	<b>Cross Section Hen 94-1 and Hen 94-2</b>	<b>In Pocket</b>

## **4.0 Introduction**

### **4.1 Location and Access**

The Hen property is located approximately 75 kilometers northeast of 100 Mile House, B.C. and is readily accessible by vehicle. Access from highway 97 is via the Canim Lake road to the Eagle Creek bridge, thence the Hendrix lake road for a distance of 27.5 kilometers to its junction with the 6300 forest access road. Trenching and drilling were carried out 80 meters ENE of the 6303 kilometer post. The other area of interest lies beside a secondary logging road near the 6305 kilometer post. A hydro transmission line, which powered the Boss Mountain molybdenum mine at Hendrix Lake, cuts through the central portion of the property. This line is currently in good repair and provides power to the townsite at Hendrix Lake.

### **4.2 Physiography and Climate**

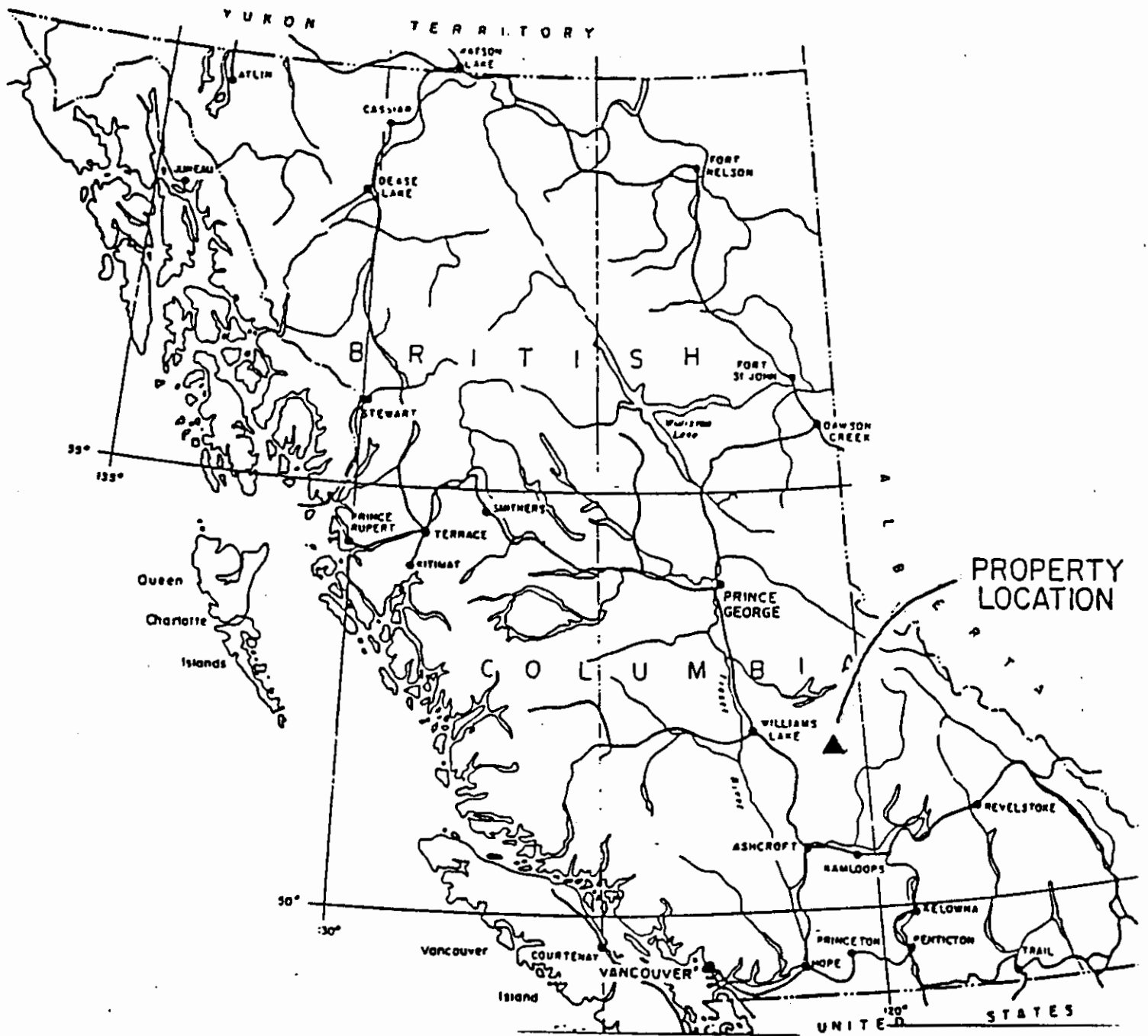
The claims are adjacent to the west side of the Interior Wet Belt bioclimatic zone and lie within Quesnel Highlands physiographic region. Rainfall is moderate with up to three meters of snow accumulating in the winter. Elevations range between 1,037 meters in Hendrix Creek valley to 1,616 meters in the northeast corner of the property.

Topography is moderate, except in the Hendrix Creek Valley, where steep slopes are present. The area is well forested with mature spruce, fir and pine, except where clear cut. Approximately 20% of the claims have been clear cut.

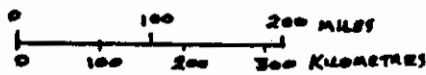
Water is readily available from Hendrix Creek and an unnamed creek which flows southerly through the eastern part of the property.

### **4.3 Property Status and Ownership**

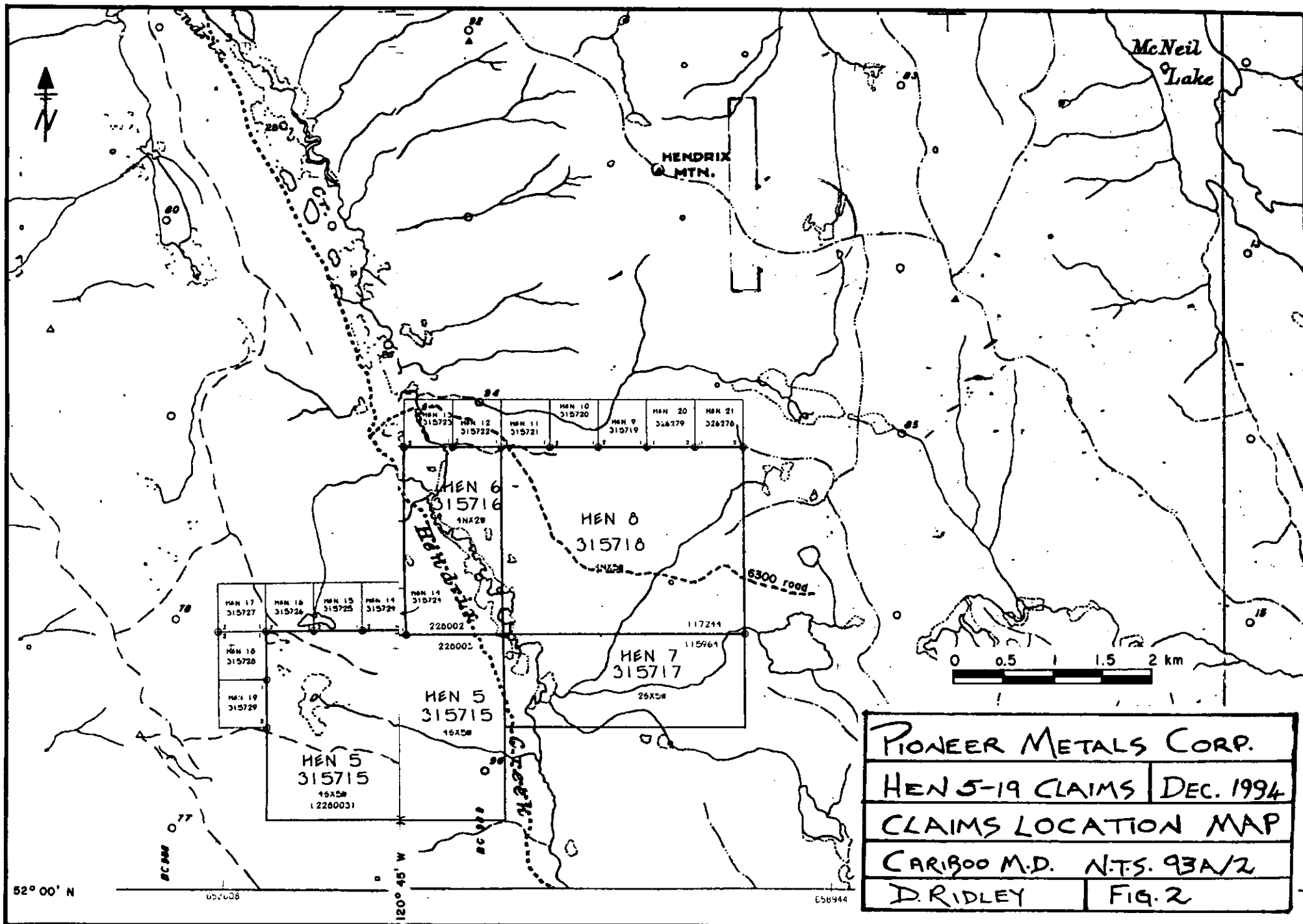
The Hen property is owned by David W. Ridley of Eagle Creek, B.C. The property is presently under option to Pioneer Metals Corp. Pioneer has the right to earn 100% of the property by paying Ridley a further \$30,000 by January 2, 1996 and by completing exploration work equivalent to four years assessment on the claims, roughly \$55,200, by December 30, 1997. Ridley will maintain a 2% NSR with a two million dollar buyout. The property consists of 69 units. (See Fig. 2)



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PIONEER METALS CORP.	
HEN CLAIMS	DEC. 1994
GENERAL LOCATION	
N.T.S. 93A/2	FIG. 1
CARIBOO M.D.	D. RILEY



PIONEER METALS CORP.	
HEN 5-19 CLAIMS	DEC. 1994
CLAIMS LOCATION MAP	
CARIBOO M.D. N.T.S. 93A/2	
D. RIDLEY	FIG. 2



Relevant claim data is presented in the following table:

<u>Claim Name</u>	<u>Record No.</u>	<u>Date Staked</u>	<u>* Expiry Date *</u>
HEN 5	315715	Feb. 11, 1993	Feb. 11, 2002
HEN 6	315716	Feb. 11, 1993	Feb. 11, 2002
HEN 7	315717	Feb. 9, 1993	Feb. 9, 2002
HEN 8	315718	Feb. 9, 1993	Feb. 9, 2002
HEN 9	315719	Feb. 8, 1993	Feb. 8, 2002
HEN 10	315720	Feb. 8, 1993	Feb. 8, 2002
HEN 11	315721	Feb. 8, 1993	Feb. 8, 2002
HEN 12	315722	Feb. 8, 1993	Feb. 8, 2002
HEN 13	315723	Feb. 8, 1993	Feb. 8, 2002
HEN 14	315724	Feb. 8, 1993	Feb. 8, 2002
HEN 15	315725	Feb. 10, 1993	Feb. 10, 2002
HEN 16	315726	Feb. 10, 1993	Feb. 10, 2002
HEN 17	315727	Feb. 10, 1993	Feb. 10, 2002
HEN 18	315728	Feb. 10, 1993	Feb. 10, 2002
HEN 19	315729	Feb. 10, 1993	Feb. 10, 2002

\* Pending assessment report approval \*

#### 4.4 History of Exploration

The area was first prospected during the Cariboo gold rush, as the Hendrix Creek valley provided one route, via Horsefly, to the Cariboo gold fields. Intermittent prospecting was no doubt carried out up to the late sixties and early seventies, when the area received considerable work in search for copper porphyry deposits. The Hen showings were first discovered in 1992 by Ridley, when he sampled mineralized float uncovered by the construction of the 6300 logging road. Pioneer optioned the property in June, 1993 and carried out a program of reconnaissance soil and rock geochemistry, prospecting, and limited mechanical trenching. Pioneer's 1994 work program is the subject of this report.

#### 4.5 Objectives of the 1994 Work Program

The objectives of the 1994 program were to locate the source of the high grade float with mechanized trenching, evaluate this source using geological mapping and drilling, if warranted, and evaluate the surrounding area of the claims with a grid soil geochemical program and geological mapping. This work was carried out largely by D. and C. Ridley with assistance from S. Stone, J. Delaney, G. Mowatt, and C. MacDonald under the supervision of D. Dunn.

## **5.0 Geology**

### **5.1 Regional Geology**

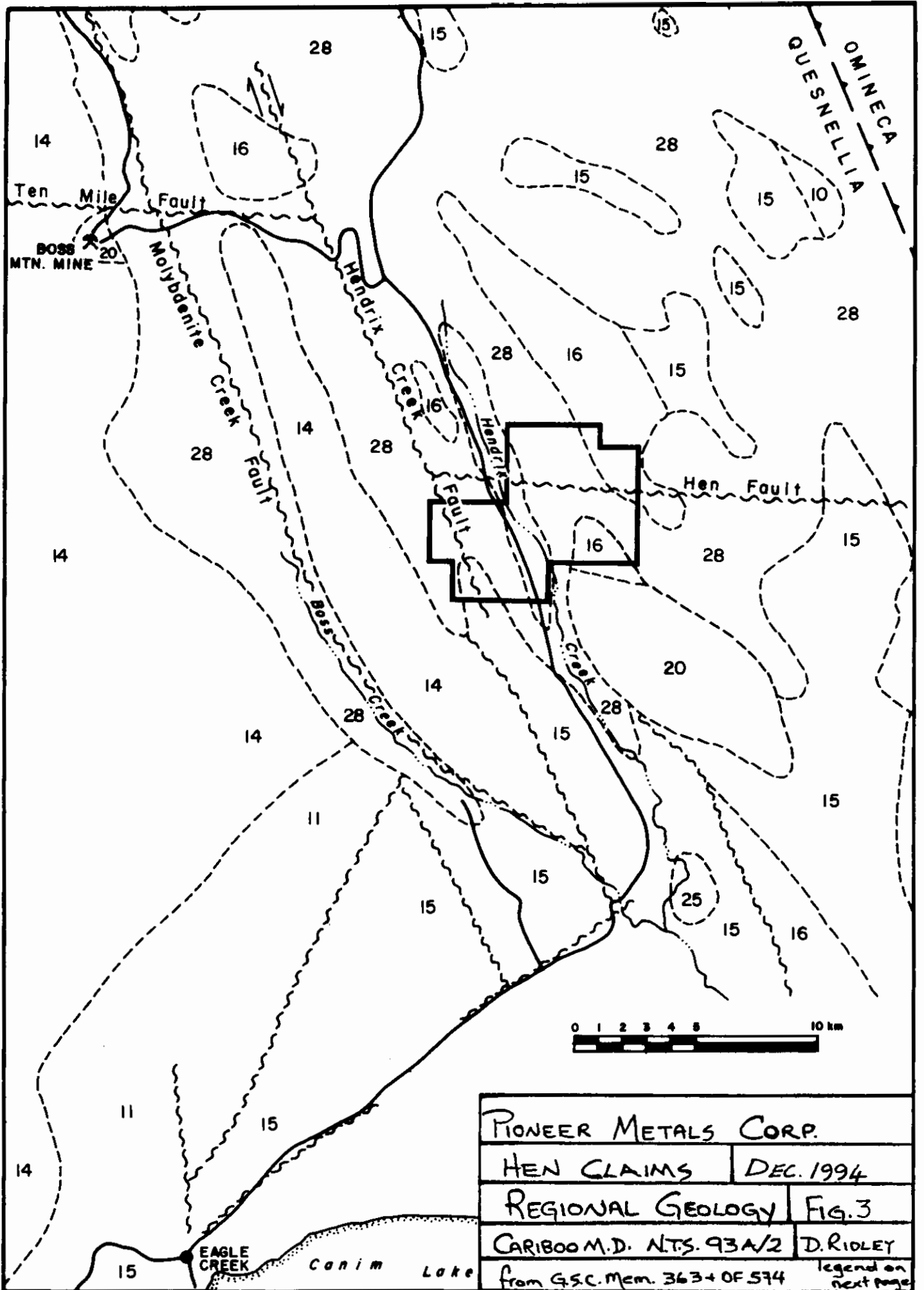
The Hen property lies in the Quesnel Trough, a subdivision of the Intermontane belt, which is composed of Triassic to Jurassic volcanic and sedimentary rocks and intruded by various plutons, ranging in age from Triassic to Cretaceous. The following is a reprint from a private report by D.E. Blann to the Sun Joint Venture in 1993.

"The property straddles a northerly trending contact zone between the composite upper Triassic-Jurassic Takomkane Batholith, coeval Nicola Group volcanics and Jurassic andesite and related sediments. Cretaceous stocks cut the earlier sequence along the eastern contact of the batholith and as several satellite intrusions further east. The Molybdenite Creek fault, a major northerly trending contact-related fault zone, runs through the property west of Hendrix Creek valley. The Boss Mountain Mine lies approximately ten kilometers north of the Hen property along the Molybdenite Creek fault; the past producing mine was a predominately molybdenite-bearing breccia of Cretaceous age, intruded into the eastern edge of the Takomkane batholith.

The Nicola Group is comprised of augite andesite-basaltic flows, breccias and agglomerate, tuff, argillite, phyllite, greywacke and black to grey limestone. The Takomkane Batholith is a composite granodiorite intrusion with hornblende-biotite quartz diorite and granodiorite, hornblende diorite, monzonite, gabbro and hornblendite. Phases may be syenodiorite-diorite or quartz monzonite in composition and locally K-feldspar porphyritic, and quartz-rich.

The Jurassic rocks appear similar to the Nicola Group rocks, and are comprised of porphyritic augite andesite breccia and conglomerate, arenite, tuff, argillite and flows. The Cretaceous stocks are composed of biotite-quartz monzonite and granodiorite. In the vicinity of the Hen property, the stock is composed of magnetite-biotite-hornblende quartz monzonite" (Blann D.E., 1993).

On a Plate Tectonic scale, the Quesnel trough is an island arc assemblage that docked onto ancestral North America in the late Jurassic - early Cretaceous. The Hendrix Creek and Molybdenite Creek faults are major north-west - south-east trending faults that parallel the terrain boundary. These faults have considerable right-lateral displacement. Immediately



PIONEER METALS CORP.	
HEN CLAIMS	DEC. 1994
REGIONAL GEOLOGY	FIG. 3
CARIBOO M.D. N.T.S. 93A/2	D. RIDLEY
from G.S.C. Mem. 363 + OF 574	Legend on next page

**QUATERNARY**

**PLEISTOCENE AND RECENT**

- 28 *Till, gravel, clay, silt, alluvium, (few if any bedrock exposures)*

**TERTIARY**

**MIOCENE AND/OR PLOCENE**

- 25 *Plateau lava; olivine basalt, basalt andesite, related ash and breccia beds; basaltic arenite; 25a, olivine gabbro plugs*

**CRETACEOUS**

- 20 *RAFT AND BALDY BATHOLITHS AND SIMILAR GRANITIC ROCKS: biotite quartz monzonite and granodiorite; minor pegmatite, aplite, biotite-hornblende, quartz monzonite; 20a, quartz diorite, diorite, granodiorite (may include some older rocks); 20b, aplite, leuco-quartz monzonite and granite*

**JURASSIC**

**SINEMURIAN TO (?) MIDDLE JURASSIC**

- 16 *Porphyritic augite andesite breccia and conglomerate; minor andesite, arenite, tuff, argillite, and flows (may include some 11; 16a, isolated areas of hornblende andesite (may be all or partly intrusive))*
- 15 *Andesitic arenite, siltstone, grit, breccia and tuff; local granite bearing conglomerate, greywacke; minor argillite and flows (may include some 11)*

**TRIASSIC OR JURASSIC**

**RHAETIAN OR HETTANGIAN**

- 14 *THUYA AND TAKOMKANE BATHOLITHS AND SIMILAR GRANITIC ROCKS: hornblende-biotite quartz diorite and granodiorite, minor hornblende diorite, monzonite, gabbro, hornblendite; 14a, diorite and syenodiorite; 14b, leuco-quartz monzonite and granodiorite*

**TRIASSIC**

**KARNIAN AND NORIAN**

**NICOLA GROUP**

- 11 *Augite andesite flows and breccia, tuff, argillite, greywacke, grey limestone; 11a, includes minor 3 and 10*
- 10 *Black shale, argillite, phyllite, siltstone, black limestone*

north of the Boss Mountain Mine is a major transverse fault, called the Ten Mile Fault. This fault is displaced southward by the Hendrix Creek fault eight kilometers and its extension to the east is assumed to be the major fault which runs through the Hen discovery showing (See Fig. 3). This fault can be traced for a further 11 kilometers eastward to Deception Creek where it has been mapped on the D.L. property and is associated with quartz veins containing sporadic gold mineralization.

## 5.2 Property Geology

### 5.2.1 Lithology

The Hen claims are underlain by a sequence of medium to coarse grained augite-feldspar porphyritic Basaltic to Andesitic agglomerate, tuffaceous and carbonate rich volcanic derived sediments. These rocks are conformably overlain to the east by a thick succession of tuffaceous to calcareous Argillaceous sediments, which are locally pyritic. All of the volcanic-sedimentary rocks are intruded by a medium to coarse grained magnetite hornblende quartz monzonite in the south-eastern part of the property. A broad zone of contact hornfelsing and local exokarn development is associated with this intrusion.

Two rocks, one of the gold bearing mineralization and one of wall rock, were submitted for petrographic analysis (Harris, J.F. 1993). The mineralized rock is composed predominantly of fine grained plagioclase and K-feldspar. It has been cut by carbonate veinlets and shows pervasive sericitization and biotitization. Arsenopyrite and pyrrhotite are relatively abundant and evenly distributed. The wall rock is an altered Andesite now a Diopside - Plagioclase Hornfels.

Exposure on the property is less than five percent and confined to logging roads, clear cuts, creek gullies and steeper hillsides.

The area of the main showings is situated 80 meters ENE of the 6303 kilometer post.

Some dykes of the intrusive extend northwards from the main intrusive body, with associated areoles of hornfelsing. These dykes are up to 10 meters in width and occur roughly 1.0 km east of the main showing.

### 5.2.2 Structure

The most significant structural feature on the Hen property is the regional scale transverse fault which trends through the area of the discovery showing. This fault has been traced on air photos and topographic maps for 11 kilometers east to the D.L. claims. The fault has been mapped on the D.L. property, and is associated with large, gold bearing quartz veins. In the area of the Hen discovery showing, the fault strikes  $97^{\circ}$  to  $105^{\circ}$  and dips  $64^{\circ}$ N to  $72^{\circ}$ N. On a regional scale the fault appears to strike  $94^{\circ}$ . This fault is probably the eastward extension of the Ten Mile Fault. The Ten Mile Fault is a regional scale east-west fault present immediately north of the Boss Mountain Mine. The Ten Mile Fault is cut-off by the north-west trending Hendrix Creek Fault and probably displaced southwards eight kilometers to the Hen property. This is the common direction of displacement on plate boundaries and the major faults that parallel them in the Canadian Cordillera.

The bedded rocks on the property are on the east flank of a broad north-west trending anticline.

### 5.2.3 Mineralization

Economically interesting gold mineralization found to date has all been associated with arsenopyrite and calcite. Pyrrhotite is also present, but is widespread on the property and is not necessarily indicative of gold mineralization. The discovery showing is in the regional fault previously described. Associated minerals, besides those mentioned, are diopside, biotite, minor garnet, and K-feldspar.

## 6.0 Geochemistry

### 6.1 Methodology

A total of 1,375 soil samples were taken in May and June. Initially a grid was laid out with lines running 800 meters east and west every 100 meters from a cut and picketed base line. Eleven cross lines were laid out with compass and flagging with stations every 25 meters. When this work was completed, the main mineralizing trend was thought to run north-south, so the grid was oriented to cross this trend. Soil samples were taken from the "B" Horizon at 30 to 50 cm depth at each station. The samples were

placed in Kraft bags, air dried and shipped to Eco Tech in Kamloops where they were analyzed as per Appendix F.

Latterly in the 1994 program, a smaller grid was established over the main showing. This grid had 50 meter spaced north-south lines with 10 meter sample spacing.

## 6.2 Interpretation of Results

Simple results are plotted on Map 3. Generally, soil sample results do not reflect underlying mineralization. The reason for this became apparent when the main showing was trenched. More than ten meters of overburden was revealed on a 30° plus slope. The overburden consisted of interlayered glacial debris and rubble. Some gold anomalies are present, roughly 70 meters down slope from the main showing.

Soil sampling is not an effective method of outlining mineralization on the Hen property due to the depth of overburden and the exotic nature of much of it.

## 7.0 Trenching

Four Trenches were dug, sampled, and all but one reclaimed between July 20th and September 15th. (See Map 1) When the regional structure described in "Property Geology" was uncovered in Trench B, it became apparent why Trench A did not uncover the zone. Trench C did not reach bedrock and, in any case, might have been situated too far south to cross the fault. Trench D was on the structure but failed to reach bedrock for most of the fault zone. Trench B uncovered highly sheared biotite altered volcanics with ubiquitous calcite - quartz veining and pyrrhotite. One 2.1 meter wide zone assayed 3.98 gm/t. Anomalous values averaging 25 ppb gold over 8.85 meters, before bedrock was lost in Trench D, also provided encouragement.

## 8.0 Drilling

Based on the results of the trenching program, two diamond drill holes were laid out and drilled from the north at 160° through the zone of interest. Terrain constraints and environmental considerations led to holes Hen 94-1 and Hen 94-2 being drilled at 60° rather than 90° to the structure. This work was carried out from October 11th until October 27th. 199.1 meters of N.Q. diamond drill core were drilled by Core Enterprises Ltd. of Clinton, B.C. The core is stored on David Ridley's property, Hawkins Lake, B.C. Hen 94-1 was drill at -45° for

157.3 meters and Hen 94-2 was drilled at  $-70^{\circ}$  from the same set-up for 41.8 meters. The collar location is at 1994 Grid co-ordinates 52 + 68m/N 45 + 30mE and an elevation of 1,357 meters. Approximately 40% of the core from both holes was split and a half core splits sent to Eco-Tech Labs in Kamloops for 1 tonne fire assay for gold plus 30 element I.C.P. Both holes intersected the down dip extension of the mineralized zone trenched on surface. Where drilled, the zone had horsetailed and was manifested by a number of sub-parallel calcite-quartz stringers and veins up to 10 cm wide every 5-10 cm. The zone averaged 0.046 gm/t gold over 12.4 meters in Hen 94-1 and 0.096 gm/t gold over 15.3 meters in Hen 94-2. The zone contains 2% pyrrhotite and very minor arsenopyrite, where intersected.

Hen 94-1 intersected another zone 10 meters in core length, whose surface projection would outcrop beyond the area trenched. This zone is characterized by calcite-quartz stringers, pyrrhotite to 5%, and arsenopyrite to 2%. Eight meters of this zone averaged 0.86 gm/t gold. The whole 157.3 meters of Hen 94-1 was in the regional fault.

Drill logs are attached in Appendix C.



## **9.0 Bibliography**

- Allen, D.G., Fleming D., 1983; Geological and Geochemical Report, Ass. Rpt. #11910.
- Blann, D., 1993; Preliminary Examination of Hen 1-4 for Sun Joint Venture, private report.
- Campbell, R.B., 1978; Geology of Quesnel Lake Area. 93A; GSC Open file #574.
- Campbell, R.B., Tipper. H.W. 1971; Geology of Bonaparte Lake Area, 92P; GSC Memoir 363.
- Harris, J.F., 1993; Petrographic Report on Hen DB #1 and #2; in: Ridley, D., Dunn, D. 1993 Prospecting and Trenching on the Hen Group, Ass. Rpt.
- Soregaroli, A.E., Nelson, W.I., 1976; Boss Mountain mine in Porphyry Deposits of the Canadian cordillera, published by Canadian Institute of Mining and Metallurgy; Special Volume 15, 1976, pgs. 432-443.

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Other useful publications include:

- BCRGS-4-1979; NTS 92P; Regional Stream Geochemical Survey.
- BCRGS-5-1981; NTS 93A; Regional Stream Geochemical Survey. Open File #776.
- GSC Geophysics Paper 5235; Mckinley Creek; NTS 93A/2; Aeromagnetic Survey, 1967; Map #5235G.

**APPENDIX A**  
**Assays**

1-Jun-94

ECO-TECH LABORATORIES LTD.  
10041 East Trans Canada Highway  
KAMLOOPS, B.C.  
V2C 2J3

Phone: 604-573-5700  
Fax : 604-573-4557

PIONEER METALS CORPORATION ETK 94-258  
1770-401 W. Georgia Street  
VANCOUVER, B.C.  
V6B 5A1


ATTENTION: David Dunn

26 soil samples received May 25, 1994

Values in ppm unless otherwise reported

Et #.	Tag #	Au (ppb)	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	L51+50N: 51+25E	10	<.2	1.41	<5	4	110	<5	0.27	<1	17	44	253	2.73	0.06	<10	0.69	437	<1	<.01	21	1630	8	<5	<20	17	0.08	<10	56	<10	5	89
2	L51+50N: 51+50E	5	<.2	2.02	<5	4	105	5	0.25	<1	21	97	92	2.99	0.05	<10	1.14	404	<1	<.01	39	700	8	5	<20	17	0.10	<10	59	<10	5	79
3	L51+50N: 51+75E	<5	<.2	0.66	<5	4	60	5	0.08	<1	6	10	8	1.48	0.04	<10	0.13	111	<1	<.01	3	1800	8	<5	<20	8	0.07	<10	34	<10	4	25
4	L51+50N: 52E	5	<.2	1.66	<5	4	115	5	0.17	<1	15	42	34	2.45	0.06	<10	0.59	219	<1	<.01	28	580	8	<5	<20	14	0.08	<10	49	10	5	71
5	L51+50N: 52+25E	<5	<.2	1.86	35	4	105	10	0.22	<1	16	52	48	2.75	0.06	<10	0.71	241	<1	<.01	29	980	4	<5	<20	9	0.08	<10	54	<10	5	75
6	L51+50N: 52+50E	5	<.2	1.47	<5	4	75	5	0.30	<1	17	49	40	2.85	0.06	<10	0.81	427	<1	<.01	24	730	8	<5	<20	19	0.09	<10	59	<10	5	65
7	L51+50N: 52+75E	10	<.2	1.49	<5	4	60	<5	0.30	<1	19	55	116	3.02	0.12	<10	0.89	267	<1	<.01	28	610	8	<5	<20	21	0.10	<10	70	<10	6	51
8	L51+50N: 53E	10	<.2	1.96	<5	6	125	5	0.23	<1	20	57	42	3.08	0.08	<10	0.66	312	<1	<.01	27	1600	10	<5	<20	18	0.10	<10	53	<10	5	146
9	L51+50N: 53+25E	5	0.2	1.59	<5	4	100	5	0.20	<1	18	55	60	2.87	0.06	<10	0.70	331	<1	<.01	22	1310	20	<5	<20	14	0.08	<10	53	<10	5	147
10	L52N: 51+25E	<5	<.2	0.95	<5	6	70	<5	0.11	<1	10	18	23	1.59	0.03	<10	0.26	403	<1	<.01	8	1050	8	<5	<20	10	0.07	<10	36	<10	4	44
11	L52N: 51+75E	5	<.2	0.28	<5	6	35	<5	0.09	<1	4	2	10	0.84	0.02	<10	0.08	464	<1	<.01	2	380	6	<5	<20	7	0.04	<10	18	<10	2	31
12	L52N: 52+25E	<5	<.2	1.00	<5	6	45	5	0.23	<1	15	42	34	2.58	0.04	<10	0.60	188	<1	<.01	19	90	6	<5	<20	21	0.10	<10	67	<10	5	51
13	L52N: 53+25E	40	<.2	1.45	<5	8	85	<5	0.44	<1	19	76	137	3.00	0.14	<10	1.07	448	<1	<.01	28	1030	6	10	<20	22	0.09	<10	59	<10	5	61
14	L52+50N: 51+25E	5	<.2	0.93	<5	6	75	5	0.21	<1	12	21	19	2.44	0.05	<10	0.43	135	<1	<.01	9	1270	8	<5	<20	15	0.10	<10	56	<10	5	50
15	L52+50N: 51+50E	10	0.2	0.88	<5	4	85	<5	0.11	<1	9	12	29	1.67	0.03	<10	0.22	455	<1	<.01	7	1240	8	<5	<20	9	0.06	<10	30	<10	3	65
16	L52+50N: 51+75E	10	<.2	0.98	<5	4	75	5	0.20	<1	9	11	35	2.00	0.05	<10	0.30	252	<1	<.01	7	1480	8	<5	<20	12	0.08	<10	37	<10	5	69
17	L52+50N: 52E	<5	<.2	1.10	<5	16	75	5	0.13	<1	7	9	8	1.45	0.03	<10	0.10	275	<1	0.01	4	2390	12	<5	<20	12	0.09	<10	30	<10	5	43
18	L52+50N: 52+25E	10	<.2	1.39	<5	8	80	10	0.22	<1	15	36	27	2.48	0.07	<10	0.58	217	<1	<.01	21	480	6	<5	<20	17	0.09	<10	50	<10	5	59
19	L52+50N: 52+75E	25	<.2	1.10	<5	4	80	10	0.15	<1	10	28	10	1.78	0.05	<10	0.34	185	<1	<.01	15	850	8	<5	<20	13	0.09	<10	30	<10	5	47
20	L52+50N: 53E	5	<.2	1.49	<5	8	60	5	0.32	<1	20	52	52	2.64	0.15	<10	1.04	327	<1	<.01	25	470	6	5	<20	16	0.12	<10	70	<10	6	61
21	L53N: 51+75E	5	0.2	0.28	<5	2	30	<5	0.07	<1	5	6	12	0.84	0.03	<10	0.13	234	<1	<.01	3	280	4	<5	<20	7	0.05	<10	21	<10	3	23
22	L53N: 52+25E	5	<.2	0.87	<5	6	155	5	0.20	<1	8	17	6	1.52	0.08	<10	0.24	249	<1	<.01	10	1300	8	<5	<20	17	0.06	<10	22	<10	4	77
23	L53+50N: 51+50E	5	<.2	1.78	<5	8	130	<5	0.34	<1	22	23	157	3.82	0.06	<10	0.98	566	<1	<.01	15	1950	6	<5	<20	21	0.09	<10	78	<10	5	126
24	L53+50N: 51+75E	5	<.2	1.81	<5	4	130	5	0.29	<1	18	29	61	3.08	0.06	<10	0.70	487	<1	<.01	18	1820	8	5	<20	18	0.10	<10	57	<10	6	138
25	L53+50N: 52E	5	<.2	1.23	<5	4	145	5	0.32	<1	12	20	11	2.02	0.05	<10	0.27	244	<1	<.01	8	3180	12	<5	<20	21	0.08	<10	34	<10	4	49
26	L53+50N: 52+35E	5	<.2	1.03	<5	4	40	10	0.50	<1	19	11	27	3.06	0.04	<10	0.66	268	<1	<.01	10	310	4	<5	<20	27	0.09	<10	78	<10	5	43

Et #.	Tag #	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
<b>QC DATA:</b>																															
<b>Repeat #:</b>																															
1	L51+50N: 51+25E	0.4	1.47	<5	4	115	<5	0.28	<1	18	45	261	2.85	0.07	<10	0.74	455	<1	<0.01	22	1680	8	<5	<20	19	0.09	<10	59	<10	5	91
<b>Standard 1991:</b>																															
		1.2	1.61	65	6	165	<5	1.64	1	18	51	86	3.63	0.33	<10	0.84	660	<1	0.01	24	650	18	<5	<20	58	0.08	<10	64	<10	9	74

  
**ECO-TECH LABORATORIES LTD.**  
 Frank J. Pezzotti, A.Sc.T.  
 B.C. Certified Assayer

28-Jun-94

ECO-TECH LABORATORIES LTD.  
10041 East Trans Canada Highway  
KAMLOOPS, B.C.  
V2C 2J3

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PIONEER METALS CORPORATION ETK 94-332  
1770-401 W. Georgia Street  
VANCOUVER, B.C.  
V6B 5A1

ATTENTION: David Dunn

186 SOIL samples received June 9, 1994  
Date Sample Run: June 26, 1994

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	B	Ba	Bl	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
1	L52N: 50+25E	5	<.2	2.49	50	12	170	10	0.67	<.1	29	88	83	4.26	0.40	<10	1.31	622	<.1	0.03	48	620	32	5	<20	44	0.23	<10	121	<10	13	82
2	L52N: 50+50E	5	<.2	1.60	15	10	140	5	0.69	<.1	22	77	54	3.23	0.41	<10	1.15	463	<.1	0.03	46	1050	16	5	<20	38	0.16	<10	90	<10	10	45
3	L52N: 50+75E	10	<.2	2.08	15	12	165	10	0.87	<.1	24	73	57	3.49	0.40	<10	1.22	555	<.1	0.03	43	900	20	10	<20	42	0.19	<10	97	<10	11	56
4	L52N: 51E	10	<.2	3.26	20	10	210	10	0.63	1	35	89	96	4.43	0.33	<10	1.23	1025	<.1	0.02	64	570	34	10	<20	48	0.19	<10	113	<10	11	79
5	L52N: 51+25E	10	<.2	2.75	20	12	170	15	0.65	<.1	30	77	74	4.31	0.45	<10	1.49	473	<.1	0.03	41	870	26	5	<20	38	0.26	<10	125	<10	14	70
6	L52N: 51+50E	<.5	<.2	2.16	20	10	130	10	0.51	<.1	18	63	44	3.48	0.17	<10	0.97	278	<.1	0.03	31	670	22	<.5	<20	31	0.20	<10	99	<10	11	55
7	L52N: 51+75E	10	<.2	2.44	10	12	140	10	0.69	<.1	25	94	58	4.34	0.29	<10	1.44	452	<.1	0.03	44	810	22	<.5	<20	51	0.22	<10	111	<10	13	72
8	L52N: 52E	5	<.2	2.77	25	12	175	10	0.86	<.1	31	93	73	4.72	0.38	<10	1.38	673	<.1	0.03	43	760	26	5	<20	49	0.21	<10	131	<10	13	60
9	L52N: 52+25E	10	<.2	3.27	60	12	265	<.5	1.34	2	31	89	100	4.68	0.45	<10	1.45	1558	<.1	0.03	57	1180	30	5	<20	84	0.16	<10	126	<10	15	89
10	L52N: 52+50E	5	<.2	2.30	15	10	125	15	0.43	<.1	17	76	43	4.50	0.17	<10	0.96	293	<.1	0.02	32	1130	24	<.5	<20	38	0.21	<10	105	<10	10	77
11	L52N: 52+75E	5	0.6	5.77	60	12	375	<.5	0.92	3	49	168	304	7.34	0.76	<10	2.08	1474	<.1	0.03	121	1090	44	10	<20	74	0.21	<10	178	<10	18	108
12	L52N: 53E	<.5	<.2	3.33	45	6	205	<.5	0.79	<.1	28	104	144	4.92	0.41	<10	1.24	803	<.1	0.02	68	690	30	<.5	<20	66	0.18	<10	124	<10	19	66
13	L52N: 53+25E	<.5	0.2	3.38	50	10	240	10	0.86	1	32	118	149	5.39	0.61	<10	1.42	668	<.1	0.02	78	790	30	<.5	<20	69	0.21	<10	131	<10	15	77
14	L52N: 53+50E	<.5	<.2	3.19	55	10	210	<.5	0.98	<.1	32	99	109	4.94	0.61	<10	1.52	793	<.1	0.03	58	790	26	5	<20	63	0.20	<10	135	<10	15	64
15	L52N: 53+75E	<.5	<.2	3.29	45	10	155	15	0.50	<.1	32	99	102	4.92	0.47	<10	1.49	654	<.1	0.03	54	470	32	5	<20	38	0.23	<10	133	<10	13	61
16	L52N: 54E	<.5	<.2	2.42	5	10	105	5	0.42	<.1	17	121	81	3.94	0.24	<10	1.07	324	<.1	0.02	56	1000	24	<.5	<20	26	0.18	<10	89	<10	9	70
17	L52N: 54+25E	5	<.2	1.17	10	10	95	5	0.39	<.1	12	72	38	2.90	0.17	<10	0.58	205	<.1	0.02	26	980	14	<.5	<20	26	0.17	<10	76	<10	8	42
18	L52N: 54+50E	10	<.2	3.16	30	10	155	<.5	0.72	<.1	30	124	116	4.95	0.40	<10	1.54	676	<.1	0.03	73	860	28	5	<20	45	0.22	<10	127	<10	13	91
19	L52N: 54+75E	5	<.2	2.48	25	8	125	10	0.47	<.1	22	110	81	4.38	0.32	<10	1.31	477	<.1	0.03	56	590	24	<.5	<20	30	0.22	<10	120	<10	11	63
20	L52N: 55E	<.5	<.2	3.04	35	10	220	<.5	1.01	<.1	31	96	115	4.49	0.66	<10	1.70	683	<.1	0.03	60	930	26	<.5	<20	61	0.23	<10	133	<10	18	58
21	L52N: 55+25E	<.5	<.2	0.91	<.5	8	140	10	0.39	<.1	13	23	26	2.03	0.31	<10	0.51	278	<.1	0.02	12	430	14	5	<20	30	0.18	<10	61	<10	7	40
22	L52N: 55+50E	<.5	<.2	2.71	20	10	155	10	0.76	<.1	26	135	89	4.81	0.35	<10	1.58	487	<.1	0.03	69	610	24	<.5	<20	61	0.22	<10	131	<10	12	65
23	L52N: 55+75E	5	<.2	2.89	25	10	195	5	0.71	<.1	30	127	80	3.85	0.32	<10	1.52	781	<.1	0.03	76	730	28	5	<20	48	0.19	<10	104	<10	12	87
24	L52N: 56E	<.5	<.2	1.78	30	10	180	15	0.51	1	18	99	42	3.56	0.18	<10	0.95	324	<.1	0.03	41	530	20	5	<20	29	0.21	<10	123	<10	8	65
25	L52N: 56+25E	5	<.2	2.62	135	10	150	<.5	0.95	2	27	201	66	3.76	0.29	<10	1.20	485	<.1	0.03	60	560	26	<.5	60	63	0.16	<10	155	<10	8	54
26	L52N: 56+50E	<.5	<.2	2.93	140	12	185	<.5	2.52	2	25	125	84	4.02	0.43	<10	1.65	505	<.1	0.03	66	790	24	15	<20	141	0.16	<10	123	<10	13	63
27	L52N: 56+75E	<.5	<.2	2.69	140	12	200	<.5	1.46	3	27	116	81	3.90	0.34	<10	1.36	1079	<.1	0.02	67	880	28	5	<20	71	0.12	<10	106	<10	9	80
28	L52N: 57E	5	<.2	2.57	40	10	250	5	1.28	1	28	136	97	4.51	0.40	<10	1.33	1066	<.1	0.03	73	970	26	5	<20	49	0.16	<10	111	<10	9	100

Et #.	Tag #	Au(ppb)	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
29	L52N: 57+25E	<5	<2	2.51	20	12	200	5	1.18	<1	24	135	98	4.65	0.46	<10	1.30	714	<1	0.02	71	1260	26	5	<20	44	0.16	<10	105	<10	8	123
30	L52N: 57+50E	<5	<2	3.57	25	12	250	<5	1.31	1	34	159	126	4.94	0.58	<10	1.86	1084	<1	0.03	98	900	32	10	<20	54	0.16	<10	122	<10	14	93
31	L52N: 57+75E	10	<2	3.00	40	10	210	<5	1.49	2	28	125	144	4.18	0.43	<10	1.41	891	<1	0.03	89	800	26	10	<20	56	0.13	<10	109	<10	14	65
32	L52N: 58E	5	0.2	2.78	25	12	290	<5	2.33	2	21	103	127	3.44	0.41	<10	1.25	958	<1	0.02	85	1170	24	10	<20	82	0.09	<10	87	<10	10	95
33	L52N: 49+75E	5	<2	3.28	30	10	180	10	0.53	<1	30	98	84	4.70	0.37	<10	1.37	760	<1	0.03	57	580	32	5	<20	42	0.18	<10	113	<10	14	67
34	L52N: 49+50E	30	<2	1.68	20	8	135	<5	0.74	<1	17	69	44	3.20	0.30	<10	1.05	331	<1	0.03	34	820	16	5	<20	41	0.16	<10	90	<10	9	41
35	L52N: 49+25E	35	<2	2.12	25	10	170	5	0.79	<1	24	84	64	3.87	0.41	<10	1.29	570	<1	0.03	44	1020	20	5	<20	48	0.18	<10	105	<10	11	54
36	L52N: 49+00E	20	<2	2.15	10	10	165	10	0.54	1	20	70	52	3.97	0.21	<10	0.81	368	<1	0.02	34	660	24	5	<20	39	0.17	<10	101	<10	9	63
37	L52N: 48+75E	55	<2	2.62	35	10	200	10	0.73	1	23	80	72	4.06	0.25	<10	1.10	671	<1	0.02	47	570	26	5	<20	48	0.16	<10	115	<10	13	49
38	L52N: 48+50E	5	<2	1.91	25	10	150	10	0.68	<1	19	74	45	3.49	0.25	<10	0.97	536	<1	0.02	35	800	16	5	<20	44	0.14	<10	103	<10	10	40
39	L52N: 48+25E	<5	<2	1.45	25	12	260	20	0.60	<1	15	42	3	2.78	0.11	<10	0.53	208	2	0.02	17.	1540	28	5	<20	35	0.20	<10	84	<10	12	42
40	L52N: 48+00E	<5	<2	1.75	10	10	170	15	0.25	<1	20	116	14	2.40	0.17	<10	0.87	182	1	0.02	72	840	26	5	<20	13	0.20	<10	62	<10	12	47
41	L52N: 47+75E	35	<2	2.86	10	10	195	15	0.36	<1	33	231	45	3.07	0.14	<10	1.87	219	<1	0.02	155	1980	36	10	100	27	0.25	<10	73	<10	16	123
42	L52N: 47+50E	10	<2	2.22	5	10	275	20	0.65	<1	27	136	40	3.32	0.24	<10	1.43	392	<1	0.03	71	1260	30	5	<20	34	0.26	<10	93	<10	16	100
43	L52N: 47+25E	<5	<2	3.10	10	10	350	25	0.32	1	44	85	96	5.22	0.39	<10	1.57	382	<1	0.02	58	1350	36	10	<20	23	0.45	<10	175	<10	29	155
44	L52N: 47+00E	<5	<2	1.62	5	10	250	15	0.45	1	22	38	7	2.32	0.18	<10	0.63	730	<1	0.04	23	1330	26	5	<20	33	0.26	<10	60	<10	17	168
45	L52N: 46+75E	<5	<2	2.27	5	12	360	25	0.56	1	32	37	40	3.16	0.30	<10	0.85	1681	<1	0.05	30	1490	32	10	<20	47	0.31	<10	82	<10	20	135
46	L52N: 46+50E	<5	<2	0.84	5	8	145	10	0.34	<1	13	57	<1	1.82	0.12	<10	0.42	585	<1	0.03	17	730	18	5	<20	17	0.14	<10	45	<10	9	56
47	L52N: 46+25E	<5	<2	2.07	5	12	170	15	0.43	<1	25	61	25	2.68	0.17	<10	0.78	302	<1	0.03	32	2000	32	5	<20	21	0.23	<10	63	<10	15	166
48	L52N: 46+00E	5	<2	2.39	5	12	170	25	0.41	<1	36	62	53	3.52	0.28	<10	0.98	388	1	0.03	43	750	32	10	<20	22	0.27	<10	99	<10	18	95
49	L52N: 45+75E	<5	<2	2.02	5	10	240	15	0.47	<1	31	71	28	2.65	0.26	<10	1.08	442	<1	0.04	45	770	30	15	<20	28	0.25	<10	64	<10	16	122
50	L52N: 45+50E	<5	<2	1.90	5	12	210	15	0.38	1	43	37	82	3.51	0.22	<10	0.69	571	2	0.03	35	1140	28	5	<20	25	0.22	<10	93	<10	15	99
51	L52N: 44+00E	10	<2	1.27	15	10	205	15	0.42	1	20	36	2	1.94	0.16	<10	0.43	469	<1	0.02	20	1520	24	5	<20	26	0.16	<10	49	<10	10	119
52	L52N: 43+75E	<5	<2	3.28	15	12	200	20	0.72	<1	40	108	87	4.72	0.24	<10	1.72	478	1	0.03	58	1810	42	10	<20	37	0.25	<10	123	<10	16	125
53	L52N: 43+50E	<5	<2	2.28	5	12	245	15	0.50	<1	28	53	32	3.54	0.18	<10	0.85	520	<1	0.03	29	1370	30	5	<20	32	0.25	<10	92	<10	16	149
54	L52N: 43+25E	5	<2	1.97	5	12	195	20	0.44	1	29	61	23	3.26	0.15	<10	0.81	389	<1	0.03	27	1640	30	5	<20	24	0.23	<10	81	<10	14	166
55	L52N: 43+00E	<5	<2	1.80	5	10	195	20	0.49	<1	20	43	32	3.05	0.18	<10	0.68	284	1	0.02	21	2040	28	5	<20	34	0.23	<10	78	<10	15	96
56	L52N: 42+75E	<5	<2	0.46	5	10	105	10	0.15	<1	9	10	<1	1.06	0.08	<10	0.14	310	<1	0.02	4	360	12	5	<20	12	0.10	<10	31	<10	6	28
57	L52N: 42+50E	<5	<2	0.67	5	8	140	10	0.25	<1	11	16	<1	1.26	0.11	<10	0.22	270	1	0.02	8	620	16	5	<20	13	0.12	<10	34	<10	8	50
58	L52N: 42+25E	<5	<2	0.66	5	10	75	10	0.12	<1	9	15	<1	1.32	0.07	<10	0.15	105	<1	0.02	5	480	16	5	<20	12	0.11	<10	38	<10	7	25
59	L52N: 42+00E	<5	<2	2.30	5	12	260	20	0.44	<1	23	61	17	3.84	0.17	<10	0.75	516	<1	0.02	31	2380	32	5	<20	28	0.22	<10	95	<10	14	117
60	L53N: 58E	<5	<2	2.60	5	12	300	25	0.89	1	28	91	43	4.59	0.45	<10	1.46	1222	1	0.02	50	1310	32	5	<20	45	0.20	<10	125	<10	14	103
61	L53N: 57+75E	<5	<2	3.91	655	12	190	20	1.06	14	34	180	72	5.30	0.37	<10	1.53	1142	1	0.02	72	1030	46	10	<20	59	0.19	<10	211	<10	13	113
62	L53N: 57+50E	<5	<2	2.18	135	14	180	15	1.38	4	24	81	29	3.59	0.31	<10	1.03	843	1	0.03	39	790	26	5	<20	73	0.13	<10	109	<10	11	68
63	L53N: 57+25E	<5	<2	2.12	5	10	185	25	0.73	<1	24	156	<1	3.29	0.18	<10	1.97	381	<1	0.03	78	810	30	15	<20	26	0.24	<10	76	<10	17	76
64	L53N: 57E	<5	<2	2.51	5	12	165	25	0.75	<1	29	268	18	3.74	0.10	<10	2.25	292	<1	0.06	124	620	34	5	80	31	0.29	<10	83	<10	20	86
65	L53N: 56+75E	<5	<2	3.09	5	12	220	35	0.58	<1	32	118	27	5.21	0.30	<10	2.23	678	<1	0.03	50	1290	38	15	<20	24	0.30	<10	146	<10	19	160
66	L53N: 56+50E	<5	<2	2.13	5	10	190	25	0.52	<1	17	39	7	4.27	0.58	<10	1.55	335	<1	0.03	13	1220	30	10	<20	38	0.25	<10	134	<10	16	59

Et #.	Tag #	Au(ppb)	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
67	L53N: 56+25E	<5	<2	3.37	45	14	260	15	1.40	2	31	97	85	4.42	0.56	10	1.49	662	2	0.03	60	1050	40	10	<20	93	0.20	<10	116	<10	25	67
68	L53N: 56E	5	<2	2.63	45	12	140	20	0.57	2	24	83	75	4.29	0.28	<10	1.05	382	<1	0.02	49	610	34	5	<20	43	0.19	<10	117	<10	18	47
69	L53N: 55+75E	10	<2	2.61	15	12	185	15	0.60	2	27	71	101	4.00	0.28	<10	1.00	385	1	0.02	54	830	38	<5	<20	50	0.21	<10	104	<10	18	61
70	L53N: 55+50E	10	<2	3.16	50	12	220	20	0.99	1	29	94	71	4.54	0.47	<10	1.45	576	<1	0.03	56	950	40	10	<20	64	0.20	<10	124	<10	19	61
71	L53N: 55+25E	15	<2	3.10	35	12	220	25	0.52	1	31	92	69	5.03	0.37	<10	1.36	469	1	0.03	53	550	40	5	<20	40	0.24	<10	129	<10	21	65
72	L53N: 55E	<5	<2	2.48	15	12	160	20	0.55	1	27	73	38	4.03	0.26	<10	1.18	492	2	0.03	42	540	34	10	<20	32	0.22	<10	109	<10	16	65
73	L53N: 54+75E	<5	<2	3.21	40	12	175	20	0.56	2	33	122	97	5.51	0.38	<10	1.51	546	2	0.02	68	560	42	10	<20	37	0.25	<10	145	<10	16	79
74	L53N: 54+50E	10	0.6	3.15	20	12	255	10	0.71	2	39	92	192	4.89	0.41	<10	1.19	987	1	0.02	73	780	42	<5	<20	50	0.22	<10	126	<10	20	76
75	L53N: 54+25E	5	<2	2.82	15	12	225	15	0.72	2	34	96	135	4.63	0.37	<10	1.20	811	2	0.02	72	670	38	5	<20	48	0.20	<10	121	<10	20	70
76	L53N: 54E	10	<2	3.12	15	12	225	20	0.59	1	39	91	82	5.11	0.34	<10	1.30	1002	<1	0.03	53	940	44	5	<20	36	0.25	<10	123	<10	20	125
77	L53N: 53+75E	<5	<2	2.32	15	12	220	20	0.61	1	34	72	27	3.84	0.18	<10	1.14	642	2	0.03	39	1400	38	10	<20	32	0.21	<10	92	<10	15	125
78	L53N: 53+50E	10	<2	2.50	10	12	215	20	0.82	<1	31	72	49	4.02	0.37	<10	1.44	965	1	0.04	40	1000	32	10	<20	41	0.22	<10	115	<10	17	82
79	L53N: 53+25E	10	<2	2.34	15	12	170	20	0.82	1	26	71	42	4.10	0.46	<10	1.36	497	1	0.04	37	640	30	10	<20	37	0.24	<10	121	<10	18	66
80	L53N: 53E	20	<2	3.93	80	12	330	20	0.91	2	37	110	130	5.62	0.57	<10	1.65	829	1	0.03	71	590	46	10	<20	52	0.26	<10	180	<10	24	84
81	L53N: 52+75E	<5	<2	4.35	80	14	345	15	1.02	3	36	116	128	5.48	0.64	<10	1.65	879	2	0.03	81	820	50	10	<20	56	0.21	<10	170	<10	23	84
82	L53N: 52+50E	5	<2	3.16	20	14	185	20	0.51	2	27	87	92	4.81	0.30	<10	1.12	467	2	0.02	53	620	42	<5	<20	35	0.20	<10	128	<10	18	58
83	L53N: 52+25E	10	<2	3.15	35	14	260	20	1.29	2	31	88	66	4.45	0.38	<10	1.42	735	1	0.03	52	830	38	10	<20	77	0.19	<10	124	<10	19	75
84	L53N: 52E	10	<2	2.93	15	12	220	15	0.63	1	31	85	57	4.21	0.32	<10	1.37	924	2	0.02	44	590	38	5	<20	40	0.22	<10	121	<10	17	75
85	L53N: 51+75E	60	<2	1.83	15	12	175	20	0.70	1	22	65	37	3.12	0.37	<10	1.11	485	<1	0.03	34	930	26	10	<20	32	0.18	<10	93	<10	14	57
86	L53N: 51+50E	5	<2	2.66	30	14	210	15	0.82	1	27	80	62	4.11	0.63	<10	1.52	525	<1	0.03	41	1270	34	10	<20	40	0.24	<10	125	<10	19	55
87	L53N: 51+25E	5	<2	1.88	10	12	170	25	0.84	<1	23	66	43	3.58	0.49	<10	1.42	446	<1	0.03	34	1310	24	10	<20	40	0.24	<10	111	<10	20	50
88	L53N: 51E	<5	<2	1.95	20	14	190	20	0.82	<1	23	77	44	3.78	0.47	<10	1.32	461	<1	0.03	40	1290	28	<5	<20	38	0.21	<10	113	<10	17	51
89	L53N: 50+75E	<5	<2	2.01	<5	12	220	15	0.62	<1	22	70	13	3.60	0.25	<10	0.99	397	<1	0.03	29	2100	26	5	<20	32	0.16	<10	94	<10	11	78
90	L53N: 50+50E	<5	<2	1.23	<5	10	150	15	0.29	<1	11	41	<1	2.37	0.09	<10	0.39	175	1	0.02	14	420	20	<5	<20	17	0.13	<10	61	<10	9	49
91	L53N: 50+25E	<5	<2	1.98	5	12	125	15	0.48	<1	18	78	11	3.60	0.13	<10	0.87	238	2	0.02	33	1110	28	<5	<20	33	0.15	<10	83	<10	11	77
92	L53N: 49+75E	<5	<2	1.11	<5	10	120	15	0.44	<1	12	42	<1	2.02	0.13	<10	0.55	320	<1	0.02	17	500	20	<5	<20	28	0.16	<10	61	<10	13	36
93	L53N: 49+50E	<5	<2	1.83	<5	12	125	20	0.48	<1	18	59	15	3.11	0.16	<10	0.97	254	<1	0.02	27	900	24	<5	<20	22	0.20	<10	89	<10	14	72
94	L53N: 49+25E	<5	<2	2.82	5	12	220	20	0.77	<1	28	84	61	4.02	0.37	10	1.39	610	1	0.03	46	660	38	10	<20	48	0.21	<10	118	<10	20	58
95	L53N: 49+00E	<5	<2	1.43	<5	12	160	25	0.41	<1	17	50	2	3.30	0.16	<10	0.72	219	1	0.02	17	520	24	<5	<20	24	0.25	<10	105	<10	18	58
96	L53N: 48+75E	<5	<2	2.37	10	10	150	25	0.52	<1	20	68	19	3.98	0.19	<10	1.06	263	<1	0.03	28	2310	30	10	<20	26	0.20	<10	122	<10	14	56
97	L53N: 48+50E	<5	<2	2.86	5	10	285	15	0.46	4	21	105	57	4.12	0.10	<10	1.12	456	<1	0.02	45	1790	12	70	<20	9	0.24	<10	120	<10	13	93
98	L53N: 48+25E	<5	<2	4.06	<5	14	225	35	0.35	1	30	126	31	5.08	0.17	<10	1.39	339	2	0.03	47	1000	52	10	<20	21	0.35	<10	144	<10	23	93
99	L53N: 48+00E	5	<2	4.64	205	8	200	20	0.62	4	31	258	48	4.33	0.12	<10	1.69	531	<1	0.02	119	1960	40	<5	40	1	0.27	<10	132	<10	14	84
100	L53N: 47+75E	<5	<2	3.26	60	12	185	25	0.30	2	37	299	16	3.64	0.10	<10	1.90	370	<1	0.03	122	1300	44	15	140	17	0.37	<10	97	<10	24	82
101	L53N: 47+50E	<5	<2	4.44	50	14	190	30	0.33	2	33	185	95	5.02	0.15	<10	2.10	254	3	0.03	90	1990	54	10	<20	15	0.31	<10	142	<10	19	77
102	L53N: 47+25E	5	<2	2.42	10	10	195	20	0.25	1	25	101	11	3.17	0.09	<10	1.01	412	<1	0.02	52	1500	40	10	<20	11	0.25	<10	79	<10	16	145
103	L53N: 47+00E	<5	<2	2.50	<5	10	140	25	0.33	<1	27	121	7	3.15	0.10	<10	1.12	411	<1	0.03	48	1420	38	5	<20	14	0.31	<10	80	<10	20	160
104	L53N: 46+75E	5	<2	2.99	<5	12	190	25	0.48	<1	30	175	59	4.38	0.19	<10	1.98	629	<1	0.04	62	1300	38	10	<20	23	0.28	<10	118	<10	18	102

Et #.	Tag #	Au(ppb)	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
105	L53N: 46+50E	5	<2	3.57	<5	12	215	30	0.34	<1	29	85	29	4.66	0.16	<10	1.23	416	2	0.03	48	1650	46	5	<20	17	0.32	<10	121	<10	21	161
106	L53N: 46+25E	10	<2	2.96	10	12	190	25	0.39	<1	30	74	53	4.49	0.19	<10	1.32	370	1	0.03	44	1780	40	10	<20	21	0.34	<10	137	<10	22	142
107	L53N: 46+00E	5	<2	0.72	<5	10	80	15	0.23	<1	10	42	<1	1.42	0.09	<10	0.41	108	<1	0.02	14	180	16	5	<20	9	0.18	<10	50	<10	12	34
108	L53N: 45+75E	<5	<2	3.03	<5	14	225	25	0.36	<1	32	69	66	3.91	0.21	<10	1.11	550	2	0.03	45	1850	42	10	<20	23	0.29	<10	95	<10	19	148
109	L53N: 45+50E	10	<2	2.84	45	14	225	15	0.39	2	32	59	74	3.88	0.28	<10	1.13	396	2	0.03	45	1280	44	15	<20	35	0.26	<10	104	<10	17	97
110	L53N: 45+25E	<5	<2	0.67	<5	10	85	15	0.18	<1	9	13	<1	1.20	0.11	<10	0.21	167	<1	0.02	7	340	16	<5	<20	11	0.14	<10	38	<10	10	44
111	L53N: 45+00E	<5	<2	1.20	<5	10	105	10	0.25	<1	15	33	7	1.96	0.13	<10	0.44	239	<1	0.02	19	600	22	<5	<20	14	0.15	<10	55	<10	10	47
112	L53N: 44+75E	<5	<2	2.62	5	12	215	15	0.41	<1	30	55	117	3.58	0.33	<10	1.14	615	1	0.04	48	1300	36	10	<20	25	0.28	<10	101	<10	19	114
113	L53N: 44+50E	<5	<2	0.94	<5	10	155	10	0.21	<1	12	18	<1	1.62	0.10	<10	0.33	244	<1	0.02	15	590	20	<5	<20	12	0.16	<10	45	<10	11	51
114	L53N: 44+25E	<5	<2	1.79	<5	10	170	20	0.33	<1	24	55	24	2.84	0.19	<10	0.84	376	<1	0.03	55	450	32	5	<20	14	0.24	<10	81	<10	16	68
115	L53N: 44+00E	<5	<2	1.26	5	10	130	15	0.32	<1	16	30	<1	2.11	0.13	<10	0.43	210	<1	0.02	16	1110	26	<5	<20	17	0.16	<10	54	<10	11	94
116	L53N: 43+75E	<5	<2	1.83	<5	10	205	20	0.57	<1	23	49	3	2.70	0.19	<10	0.81	287	<1	0.02	22	1450	30	10	<20	27	0.23	<10	66	<10	15	123
117	L53N: 43+50E	<5	<2	2.22	10	12	210	20	0.76	<1	28	74	88	3.86	0.55	10	1.36	403	<1	0.03	40	970	28	10	<20	36	0.24	<10	121	<10	19	53
118	L53N: 43+25E	<5	<2	1.89	10	10	170	15	0.66	<1	23	68	72	3.17	0.42	10	1.03	410	1	0.03	45	700	28	10	<20	28	0.20	<10	95	<10	18	52
119	L53N: 43+00E	<5	<2	2.66	15	16	235	20	0.86	<1	32	95	104	4.23	0.55	10	1.46	558	2	0.04	66	1170	36	10	<20	42	0.27	<10	127	<10	22	87
120	L53N: 42+75E	<5	<2	1.65	<5	12	220	15	0.36	<1	20	62	16	3.07	0.17	<10	0.81	296	<1	0.02	31	1230	24	<5	<20	16	0.19	<10	85	<10	13	58
121	L53N: 42+50E	<5	<2	0.61	<5	12	170	20	0.20	<1	12	23	<1	1.61	0.17	<10	0.29	526	1	0.02	8	630	16	<5	<20	9	0.16	<10	47	<10	11	44
122	L53N: 42+25E	<5	<2	1.06	<5	12	300	15	0.51	<1	16	42	<1	1.89	0.16	<10	0.45	559	1	0.02	16	1100	20	<5	<20	29	0.14	<10	49	<10	11	49
123	L53N: 42+00E	<5	<2	1.99	<5	12	205	20	0.44	<1	22	50	23	2.81	0.27	<10	0.87	339	1	0.02	30	740	28	10	<20	19	0.22	<10	77	<10	15	73
124	L54N: 42+00E	<5	<2	1.78	<5	12	190	15	0.44	<1	22	53	9	2.56	0.15	<10	0.75	493	<1	0.03	27	1050	30	<5	<20	20	0.19	<10	65	<10	13	106
125	L54N: 42+25E	<5	<2	2.27	<5	12	180	25	0.48	<1	27	62	62	3.72	0.29	<10	1.10	431	<1	0.03	37	810	32	5	<20	19	0.28	<10	104	<10	20	82
126	L54N: 42+50E	<5	<2	1.84	50	14	180	15	0.88	2	26	84	96	4.13	0.52	20	1.21	503	1	0.03	44	1380	26	10	<20	38	0.22	<10	127	<10	21	52
127	L54N: 42+75E	<5	<2	2.08	<5	10	150	15	0.41	<1	24	57	58	3.14	0.27	<10	0.90	318	<1	0.02	71	300	30	5	<20	19	0.24	<10	92	<10	17	62
128	L54N: 43+00E	<5	<2	2.21	10	10	175	15	0.40	<1	23	65	49	3.10	0.29	<10	1.02	252	1	0.02	47	780	32	5	<20	21	0.20	<10	92	<10	14	62
129	L54N: 43+25E	<5	<2	1.86	<5	12	235	20	0.43	<1	24	55	12	2.96	0.17	<10	0.87	557	<1	0.03	32	1350	28	<5	<20	19	0.20	<10	75	<10	13	94
130	L54N: 43+50E	<5	<2	1.81	<5	10	170	15	0.30	<1	25	41	5	2.73	0.14	<10	0.73	427	1	0.02	27	1270	30	10	<20	14	0.20	<10	67	<10	14	146
131	L54N: 43+75E	5	<2	1.82	<5	12	175	20	0.50	1	22	68	27	3.29	0.22	<10	0.94	265	1	0.02	41	1410	26	5	<20	23	0.18	<10	96	<10	13	74
132	L54N: 44+00E	5	<2	1.61	<5	12	205	20	0.37	<1	19	54	7	2.97	0.18	<10	0.79	221	<1	0.02	29	1110	28	5	<20	19	0.21	<10	81	<10	14	84
133	L54N: 44+25E	5	<2	2.06	15	10	125	20	0.48	<1	23	63	25	3.20	0.25	<10	0.96	252	<1	0.03	52	570	30	10	<20	22	0.21	<10	95	<10	15	89
134	L54N: 44+50E	<5	<2	1.11	<5	10	105	20	0.26	<1	15	23	<1	1.88	0.12	<10	0.40	243	<1	0.02	14	810	22	<5	<20	19	0.17	<10	48	<10	12	60
135	L54N: 44+75E	<5	<2	2.10	10	10	160	20	0.48	<1	22	70	14	3.55	0.13	<10	0.90	218	1	0.03	32	1580	34	<5	<20	31	0.23	<10	92	<10	15	87
136	L54N: 45+00E	<5	<2	2.58	20	12	155	20	0.41	1	23	58	47	4.06	0.18	<10	1.02	269	1	0.03	31	1350	38	<5	<20	25	0.25	<10	113	<10	17	64
137	L54N: 45+25E	<5	<2	2.21	<5	12	150	20	0.34	<1	21	61	30	2.94	0.15	<10	0.91	216	1	0.03	28	1230	34	5	<20	19	0.22	<10	75	<10	14	73
138	L54N: 45+50E	<5	<2	0.75	<5	8	75	15	0.11	<1	9	21	<1	1.95	0.08	<10	0.24	87	1	0.02	9	290	18	5	<20	6	0.17	<10	71	<10	11	25
139	L54N: 45+75E	5	<2	3.53	15	12	215	30	0.40	<1	29	82	67	4.30	0.15	<10	1.23	404	2	0.03	48	1100	48	10	<20	26	0.31	<10	118	<10	22	95
140	L54N: 46+00E	20	<2	1.84	<5	10	165	25	0.21	<1	21	41	13	2.94	0.15	<10	0.62	304	<1	0.02	18	1220	34	5	<20	22	0.27	<10	71	<10	18	114
141	L54N: 46+25E	10	<2	4.16	20	10	160	30	0.16	1	22	78	19	4.87	0.12	<10	0.87	387	4	0.02	34	1250	56	<5	<20	14	0.27	<10	133	<10	17	122
142	L54N: 46+50E	5	<2	1.99	<5	8	105	20	0.19	<1	15	65	<1	2.75	0.08	<10	0.64	143	1	0.02	23	1370	32	5	<20	9	0.21	<10	74	<10	15	57



Et #.	Tag #	Au(ppb)	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
143	L54N: 46+75E	5	<.2	0.87	<5	12	90	20	0.23	<1	11	56	<1	2.05	0.08	<10	0.39	105	2	0.02	15	1020	22	5	<20	9	0.21	<10	58	<10	14	29
144	L54N: 47+00E	<5	<.2	3.18	<5	12	225	25	0.21	<1	37	395	55	3.96	0.15	<10	2.34	167	2	0.02	133	1040	44	15	200	10	0.36	<10	118	<10	23	88
145	L54N: 47+25E	<5	<.2	2.00	<5	10	135	25	0.21	<1	20	130	7	2.80	0.08	<10	0.94	258	<1	0.02	37	810	30	5	<20	10	0.24	<10	68	<10	16	52
146	L54N: 47+50E	<5	<.2	3.34	<5	10	195	30	0.30	<1	26	183	22	4.48	0.12	<10	1.42	272	2	0.03	59	1080	46	5	<20	18	0.32	<10	126	<10	21	80
147	L54N: 47+75E	<5	<.2	1.84	<5	10	130	25	0.22	<1	17	81	6	3.61	0.09	<10	0.85	211	2	0.02	25	1180	30	<5	<20	13	0.24	<10	107	<10	16	51
148	L54N: 48+00E	<5	<.2	2.96	<5	12	190	30	0.34	<1	25	273	28	4.00	0.12	<10	2.25	164	1	0.03	63	1780	40	15	100	19	0.31	<10	134	<10	20	73
149	L54N: 48+25E	<5	<.2	3.09	5	12	295	20	0.53	<1	29	192	65	3.96	0.30	<10	2.24	245	<1	0.03	71	830	38	10	20	30	0.27	<10	134	<10	19	62
150	L54N: 48+50E	<5	<.2	1.32	<5	12	125	15	0.37	<1	13	50	<1	2.43	0.12	<10	0.60	203	2	0.02	21	810	22	5	<20	15	0.15	<10	71	<10	11	43
151	L54N: 48+75E	<5	<.2	1.64	<5	10	135	20	0.38	<1	15	52	2	3.13	0.13	<10	0.66	234	2	0.02	18	1440	28	<5	<20	21	0.17	<10	85	<10	12	61
152	L54N: 49+00E	<5	<.2	1.69	10	12	150	20	0.51	<1	16	67	9	3.16	0.18	10	0.78	219	<1	0.02	28	1850	26	5	<20	24	0.14	<10	93	<10	11	39
153	L54N: 49+25E	<5	<.2	0.78	15	10	160	15	0.51	<1	13	29	<1	2.10	0.10	<10	0.30	309	<1	0.02	11	890	18	<5	<20	31	0.11	<10	58	<10	7	41
154	L54N: 49+50E	<5	<.2	1.60	<5	12	110	25	0.33	<1	16	54	8	3.40	0.13	<10	0.74	245	2	0.02	20	490	26	5	<20	18	0.20	<10	96	<10	14	57
155	L54N: 49+75E	<5	<.2	1.01	<5	10	90	15	0.24	<1	9	29	<1	1.54	0.09	<10	0.40	123	<1	0.02	13	340	22	<5	<20	14	0.13	<10	45	<10	10	32
156	L54N: 58E	<5	<.2	2.41	65	12	140	15	0.63	2	19	65	25	3.27	0.19	<10	0.85	340	2	0.02	40	500	40	5	<20	39	0.14	<10	82	<10	13	57
157	L54N: 57+75E	<5	<.2	2.69	30	12	140	20	0.56	1	20	67	23	4.21	0.17	<10	1.11	264	1	0.02	34	650	40	15	<20	37	0.22	<10	108	<10	16	80
158	L54N: 57+50E	<5	<.2	2.34	25	12	200	25	0.68	1	20	69	36	4.20	0.24	<10	1.20	320	1	0.02	34	1590	32	5	<20	33	0.22	<10	111	<10	16	70
159	L54N: 57+25E	<5	<.2	2.53	<5	10	175	20	0.35	<1	17	59	7	4.73	0.14	<10	0.71	195	2	0.02	27	2840	36	<5	<20	18	0.20	<10	114	<10	13	63
160	L54N: 57E	10	<.2	2.16	<5	10	135	20	0.24	<1	16	55	14	4.11	0.10	<10	0.73	210	1	0.02	24	960	34	<5	<20	15	0.21	<10	103	<10	14	56
161	L54N: 56+75E	<5	<.2	0.79	<5	8	70	20	0.18	<1	9	29	<1	2.04	0.07	<10	0.23	97	1	0.01	12	630	18	5	<20	4	0.15	<10	51	<10	10	32
162	L54N: 56+50E	<5	<.2	3.00	5	12	135	20	0.29	<1	19	57	7	3.36	0.09	<10	0.71	202	1	0.02	33	1570	44	<5	<20	15	0.17	<10	76	<10	13	72
163	L54N: 56+25E	10	<.2	2.17	15	12	165	20	0.54	<1	25	75	34	3.50	0.31	10	1.32	431	<1	0.03	47	1060	32	10	<20	27	0.22	<10	99	<10	18	49
164	L54N: 56E	<5	<.2	1.89	<5	12	125	20	0.37	<1	17	57	6	2.93	0.14	<10	0.88	269	2	0.02	31	1090	30	10	<20	16	0.19	<10	78	<10	15	60
165	L54N: 55+75E	<5	<.2	2.13	<5	14	200	25	0.80	<1	27	58	20	3.98	0.29	<10	1.67	430	1	0.07	25	810	32	15	<20	18	0.32	<10	111	<10	22	65
166	L54N: 55+50E	155	<.2	2.51	15	12	215	30	0.66	<1	28	76	54	4.26	0.48	<10	1.78	435	<1	0.03	37	1190	36	10	<20	31	0.28	<10	132	<10	21	54
167	L54N: 55+25E	<5	<.2	2.50	15	10	180	20	0.54	1	27	71	59	3.70	0.25	10	1.08	503	<1	0.03	46	680	36	<5	<20	34	0.21	<10	99	<10	19	63
168	L54N: 55E	<5	<.2	2.12	<5	10	220	25	0.60	1	23	74	28	3.93	0.20	<10	1.12	308	1	0.02	40	760	32	10	<20	35	0.23	<10	100	<10	17	85
169	L54N: 54+75E	<5	<.2	2.13	10	12	185	25	0.63	<1	23	64	32	3.59	0.23	<10	1.16	349	<1	0.03	42	1220	32	10	<20	35	0.21	<10	96	<10	16	58
170	L54N: 54+50E	<5	<.2	1.40	<5	12	150	20	0.51	<1	15	48	9	3.28	0.20	<10	0.71	250	1	0.03	24	920	24	<5	<20	30	0.17	<10	82	<10	12	56
171	L54N: 54+25E	<5	<.2	1.93	<5	12	120	20	0.32	<1	16	77	28	3.74	0.24	<10	0.84	297	1	0.02	26	2060	30	5	<20	16	0.16	<10	96	<10	11	50
172	L54N: 54E	30	<.2	2.97	20	12	225	25	0.68	1	34	91	81	4.39	0.45	<10	1.52	641	2	0.03	61	720	38	10	<20	43	0.23	<10	117	<10	18	77
173	L54N: 53+75E	<5	<.2	3.05	15	12	245	20	0.72	2	35	97	125	4.66	0.40	10	1.30	838	2	0.03	66	640	42	5	<20	41	0.23	<10	120	<10	21	87
174	L54N: 53+50E	<5	<.2	3.46	25	12	265	15	0.93	2	37	103	136	4.83	0.49	10	1.57	1134	1	0.03	73	840	46	10	<20	50	0.20	<10	129	<10	20	80
175	L54N: 53+25E	<5	<.2	3.90	30	12	280	15	0.88	2	44	131	153	5.33	0.57	10	1.91	1558	2	0.03	91	600	50	10	<20	52	0.23	<10	141	<10	20	90
176	L54N: 53E	5	<.2	2.52	15	12	220	20	0.82	1	24	88	70	4.10	0.39	<10	1.43	492	2	0.03	49	490	36	10	<20	44	0.21	<10	116	<10	17	66
177	L54N: 52+75E	15	<.2	2.99	20	12	220	20	0.71	1	32	101	93	4.56	0.49	10	1.58	722	2	0.03	61	770	40	10	<20	38	0.21	<10	125	<10	18	71
178	L54N: 52+50E	20	<.2	1.74	<5	12	105	15	0.25	<1	13	50	13	3.05	0.11	<10	0.62	164	2	0.02	18	280	28	5	<20	14	0.17	<10	92	<10	12	36
179	L54N: 52E	20	<.2	2.49	30	12	345	25	1.01	1	33	86	103	4.94	0.88	10	1.93	579	1	0.04	48	1450	32	10	<20	52	0.30	<10	156	<10	24	67
180	L54N: 51+75E	5	<.2	2.06	15	12	130	25	0.41	<1	18	69	15	4.04	0.16	<10	0.94	242	<1	0.02	29	640	32	5	<20	22	0.22	<10	113	<10	16	59

Et #.	Tag #	Au(ppb)	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
181	L54N: 51+50E	10	<.2	1.93	<5	12	145	20	0.52	<1	17	61	8	3.76	0.15	<10	0.90	270	<1	0.03	21	1230	30	<5	<20	23	0.21	<10	101	<10	15	65
182	L54N: 51+25E	<5	<.2	2.15	5	10	150	20	0.46	<1	23	63	16	3.57	0.21	10	1.05	398	1	0.03	26	660	32	<5	<20	24	0.24	<10	105	<10	18	85
183	L54N: 51E	10	<.2	2.02	<5	12	170	20	0.42	1	17	54	13	3.61	0.12	<10	0.89	210	2	0.03	21	320	32	<5	<20	24	0.19	<10	100	<10	14	57
184	L54N: 51+75E	10	<.2	2.19	5	12	180	25	0.74	<1	23	66	49	3.40	0.41	10	1.29	438	1	0.03	40	820	30	10	<20	32	0.22	<10	103	<10	19	55
185	L54N: 51+50E	200	<.2	3.08	15	12	240	25	0.64	1	32	91	67	4.29	0.39	<10	1.49	479	3	0.02	48	520	42	<5	<20	37	0.27	<10	137	<10	20	82
186	L54N: 51+25E	<5	<.2	2.48	<5	10	105	15	0.27	<1	14	60	30	2.40	0.15	<10	0.84	192	1	0.02	24	510	38	<5	<20	13	0.16	<10	69	<10	12	47

**QC DATA**

**Repeat #:**

69	L53N: 55+75E		<.2	2.63	15	10	190	20	0.61	2	27	72	101	4.05	0.28	<10	1.02	396	1	0.02	55	820	38	5	<20	47	0.21	<10	105	<10	19	63
102	L53N: 47+25E		<.2	2.34	5	10	185	25	0.25	1	25	98	10	3.08	0.09	<10	0.98	402	1	0.02	49	1460	38	10	<20	10	0.24	<10	77	<10	15	143
135	L54N: 44+75E		<.2	2.10	10	12	160	20	0.48	<1	22	71	15	3.57	0.14	<10	0.89	219	1	0.02	32	1560	32	5	<20	28	0.23	<10	92	<10	15	86
185	L54N: 51+50E		<.2	3.10	15	10	245	25	0.64	1	32	91	68	4.30	0.39	<10	1.49	477	2	0.02	47	520	44	10	<20	36	0.27	<10	137	<10	19	83

**Standard 1991:**

		1.0	2.01	65	12	170	<5	1.84	<1	21	69	82	4.09	0.40	<10	1.07	696	<1	0.01	24	620	30	5	<20	73	0.12	<10	82	<10	12	84
		1.0	2.05	70	12	180	5	1.81	2	21	65	71	3.87	0.38	<10	1.05	671	<1	0.02	27	580	36	5	<20	62	0.13	<10	78	<10	8	73
		1.0	2.08	75	12	190	5	1.85	2	22	67	72	3.93	0.40	<10	1.08	687	1	0.02	26	610	40	5	<20	64	0.14	<10	81	<10	10	75
		1.2	2.03	65	8	180	5	1.83	2	21	65	70	3.84	0.38	<10	1.07	668	<1	0.02	23	600	38	<5	<20	59	0.14	<10	78	<10	8	74
		1.0	1.97	70	12	180	5	1.78	3	21	63	68	3.71	0.40	<10	1.04	659	<1	0.02	25	580	36	<5	<20	59	0.13	<10	75	<10	8	72

Pioneer/XLS

  
**ECO-TECH LABORATORIES LTD.**  
 Frank J. Pezzotti, A.Sc.T.  
 B.C. Certified Assayer

24-Jun-94

ECO-TECH LABORATORIES LTD.  
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V2C 2J3

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1770-401 W. Georgia Street  
VANCOUVER, B.C.  
V6B 5A1

ATTENTION: David Dunn

86 SOIL samples received June 9, 1994  
PROJECT #: CANIM LAKE

Values in ppm unless otherwise reported

Et #.	Tag #	Au (ppb)	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
1	L45+50E: 51+10N	5	<.2	2.54	20	10	260	10	0.43	<1	32	42	96	4.45	0.30	<10	1.28	374	2	0.02	40	1410	12	<5	<20	32	0.25	<10	139	<10	10	111
2	L45+50E: 51+20N	5	<.2	1.10	<5	8	150	10	0.80	<1	16	48	30	2.22	0.12	<10	0.52	495	<1	0.02	26	490	8	<5	<20	47	0.14	<10	59	<10	5	35
3	L45+50E: 51+30N	<5	<.2	2.49	20	8	165	5	0.54	<1	21	65	70	3.66	0.24	<10	0.95	411	<1	0.02	45	710	10	<5	<20	35	0.18	<10	107	<10	11	45
4	L45+50E: 51+40N	<5	<.2	3.40	35	14	300	15	0.99	1	38	95	154	5.68	0.51	<10	2.08	627	1	0.05	68	440	16	10	<20	54	0.31	<10	199	<10	13	68
5	L45+50E: 51+50N	10	<.2	1.00	25	8	195	<5	0.80	1	14	40	50	2.08	0.18	<10	0.67	689	<1	0.03	24	520	8	<5	<20	50	0.12	<10	59	<10	7	37
6	L45+50E: 51+60N	10	<.2	1.66	30	8	190	5	0.65	<1	22	50	100	2.98	0.36	<10	1.00	387	<1	0.04	31	750	8	5	<20	50	0.18	<10	89	<10	11	38
7	L45+50E: 51+70N	10	<.2	1.79	75	10	210	<5	0.71	2	23	52	111	3.23	0.40	<10	1.08	408	<1	0.04	33	780	8	5	<20	52	0.19	<10	98	<10	11	40
8	L45+50E: 51+80N	10	<.2	2.15	10	10	225	<5	0.45	<1	25	49	127	3.33	0.34	<10	1.05	368	<1	0.03	34	810	10	<5	<20	33	0.21	<10	99	<10	10	55
9	L45+50E: 52N	5	<.2	2.02	5	8	180	10	0.24	<1	24	37	88	2.99	0.19	<10	0.78	293	<1	0.03	28	910	10	<5	<20	21	0.21	<10	86	<10	8	64
10	L45+50E: 52+10N	5	<.2	2.08	5	8	215	<5	0.28	<1	24	35	144	3.03	0.16	<10	0.81	200	<1	0.03	25	1110	10	<5	<20	22	0.22	<10	91	<10	8	64
11	L45+50E: 52+20N	<5	<.2	1.11	5	8	205	5	0.28	<1	19	17	28	2.02	0.08	<10	0.40	367	<1	0.02	13	990	8	<5	<20	26	0.14	<10	54	<10	6	45
12	L45+50E: 52+30N	20	<.2	2.25	5	10	245	5	0.32	<1	23	52	117	3.30	0.45	<10	1.03	343	<1	0.03	31	430	10	<5	<20	31	0.22	<10	102	<10	9	47
13	L45+50E: 52+40N	<5	<.2	1.67	5	8	175	10	0.45	<1	18	38	48	2.48	0.25	<10	0.67	397	<1	0.02	22	560	8	<5	<20	30	0.19	<10	71	<10	7	46
14	L45+50E: 52+50N	<5	<.2	2.79	5	10	225	10	0.36	<1	30	44	128	4.13	0.33	<10	1.25	282	<1	0.02	36	380	8	5	<20	29	0.26	<10	145	<10	10	59
15	L45+50E: 52+60N	5	<.2	2.54	5	10	280	5	0.41	<1	29	39	114	3.56	0.20	<10	1.04	317	<1	0.03	29	710	10	5	<20	28	0.25	<10	108	<10	10	85
16	L45+50E: 52+70N	5	<.2	1.99	5	8	175	5	0.49	<1	24	30	81	2.94	0.19	<10	0.79	295	<1	0.03	27	750	10	<5	<20	34	0.20	<10	84	<10	7	74
17	L45+50E: 52+80N	<5	<.2	2.47	5	8	190	10	0.32	<1	25	54	85	3.35	0.23	<10	1.04	315	<1	0.03	33	1000	12	<5	<20	19	0.23	<10	92	<10	9	77
18	L45+50E: 52+90N	<5	<.2	1.68	5	10	205	10	0.30	<1	19	46	53	2.53	0.13	<10	0.75	501	<1	0.03	26	840	10	<5	<20	20	0.18	<10	68	<10	7	52
19	L45+50E: 53N	5	<.2	1.97	5	8	210	15	0.25	<1	21	39	70	2.85	0.10	<10	0.77	441	<1	0.02	25	1150	12	<5	<20	19	0.22	<10	71	<10	8	83
20	L45+50E: 53+10N	5	<.2	1.58	5	8	100	10	0.16	<1	18	28	51	2.33	0.08	<10	0.55	249	<1	0.02	17	730	10	<5	<20	14	0.19	<10	60	<10	7	72
21	L45+50E: 53+20N	<5	<.2	2.15	5	8	145	5	0.24	<1	21	40	101	2.95	0.13	<10	0.80	278	<1	0.02	26	1050	10	<5	<20	19	0.21	<10	77	<10	8	79
22	L46E:51+10N	<5	<.2	1.80	5	8	150	15	0.24	<1	16	37	34	2.68	0.15	<10	0.56	182	<1	0.02	23	1100	10	<5	<20	20	0.17	<10	76	<10	6	45
23	L46E:51+20N	5	<.2	2.25	20	8	170	15	0.57	<1	21	66	63	3.32	0.26	<10	0.95	323	<1	0.02	45	250	10	<5	<20	37	0.18	<10	100	<10	8	37
24	L46E:51+30N	<5	<.2	1.84	25	6	170	<5	0.52	<1	15	52	66	2.54	0.17	<10	0.68	398	<1	0.02	38	390	8	<5	<20	31	0.10	<10	75	<10	9	30
25	L46E:51+40N	5	<.2	1.13	5	8	285	<5	0.60	<1	17	24	63	2.09	0.13	<10	0.44	346	<1	0.02	20	310	6	<5	<20	41	0.14	<10	67	<10	9	26
26	L46E:51+50N	5	<.2	1.17	5	8	175	10	0.25	<1	15	41	18	2.10	0.07	<10	0.58	383	<1	0.03	19	310	10	<5	<20	22	0.16	<10	58	<10	6	38
27	L46E:51+60N	<5	<.2	1.43	5	8	85	10	0.27	<1	15	55	30	2.15	0.06	<10	0.56	157	<1	0.02	27	1260	10	<5	20	14	0.13	<10	51	<10	5	55
28	L46E:51+70N	5	<.2	1.87	5	8	130	<5	0.35	<1	25	55	71	2.81	0.10	<10	0.82	244	<1	0.03	35	1300	10	<5	<20	22	0.17	<10	71	<10	7	77

Et #.	Tag #	Au (ppb)	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
29	L46E:51+80N	<5	<2	1.76	<5	8	145	10	0.27	<1	28	40	51	2.69	0.17	<10	0.73	345	<1	0.02	30	350	10	<5	<20	21	0.20	<10	78	<10	7	58
30	L46E:51+90N	<5	<2	2.33	<5	8	145	10	0.27	<1	32	57	73	3.36	0.15	<10	0.97	242	<1	0.02	48	520	10	<5	<20	17	0.22	<10	99	<10	7	98
31	L46E:52N	<5	<2	1.60	<5	8	145	10	0.40	<1	24	47	40	2.57	0.19	<10	0.70	448	<1	0.02	32	700	8	<5	<20	26	0.17	<10	66	<10	6	67
32	L46E:52+10N	5	<2	1.70	<5	8	190	10	0.31	<1	28	30	53	2.53	0.14	<10	0.70	353	<1	0.03	21	600	10	<5	<20	23	0.19	<10	72	<10	7	69
33	L46E:52+20N	<5	<2	1.50	<5	8	155	10	0.31	<1	20	37	30	2.14	0.09	<10	0.60	492	<1	0.03	24	500	10	<5	<20	25	0.16	<10	58	<10	6	70
34	L46E:52+30N	5	<2	2.21	<5	8	190	10	0.57	<1	24	28	47	2.78	0.13	<10	0.83	563	<1	0.1	19	710	12	<5	<20	65	0.19	<10	81	<10	7	60
35	L46E:52+40N	<5	<2	1.20	<5	8	125	10	0.22	<1	24	23	27	2.11	0.11	<10	0.47	452	<1	0.02	17	520	10	<5	<20	18	0.16	<10	55	<10	6	54
36	L46E:52+50N	5	<2	2.39	<5	8	180	10	0.30	<1	26	68	87	3.39	0.27	<10	1.15	306	<1	0.03	40	590	10	<5	<20	22	0.22	<10	102	<10	8	66
37	L46E:52+60N	<5	<2	1.38	<5	6	240	10	0.25	<1	17	28	30	1.78	0.08	<10	0.39	435	<1	0.02	14	1520	10	<5	<20	20	0.14	<10	42	<10	6	62
38	L46E:52+70N	<5	<2	2.34	<5	8	210	10	0.36	<1	25	59	47	3.14	0.11	<10	0.96	392	<1	0.02	41	1330	10	<5	<20	23	0.19	<10	76	<10	7	130
39	L46E:52+80N	<5	<2	1.92	<5	8	145	10	0.26	<1	27	36	44	2.85	0.11	<10	0.80	523	<1	0.02	27	560	12	<5	<20	19	0.20	<10	82	<10	7	87
40	L46E:52+90N	<5	<2	2.00	<5	8	150	15	0.26	<1	21	53	40	2.98	0.10	<10	0.74	260	<1	0.02	34	860	10	<5	<20	16	0.19	<10	75	<10	7	77
41	L46E:53+00N	<5	<2	1.94	<5	8	120	10	0.30	<1	19	70	47	2.77	0.12	<10	0.92	256	<1	0.02	39	780	8	<5	20	21	0.16	<10	77	<10	6	53
42	L46+50E:51+10N	<5	<2	1.44	<5	8	165	10	0.32	<1	18	65	41	2.55	0.07	<10	0.78	368	<1	0.02	32	420	8	<5	20	22	0.20	<10	75	<10	8	57
43	L46+50E:51+20N	<5	<2	1.54	<5	8	125	10	0.28	<1	14	66	29	2.48	0.08	<10	0.71	135	<1	0.02	28	1560	10	<5	40	20	0.16	<10	61	<10	6	45
44	L46+50E:51+30N	<5	<2	1.61	<5	6	110	10	0.24	<1	15	52	55	2.52	0.09	<10	0.72	144	<1	0.02	25	1060	10	<5	<20	21	0.19	<10	70	<10	7	59
45	L46+50E:51+40N	<5	<2	3.69	<5	8	475	15	0.95	<1	33	251	43	4.40	0.66	<10	3.35	368	<1	0.08	135	1560	8	<5	140	50	0.21	<10	69	<10	8	51
46	L46+50E:51+50N	<5	<2	3.00	35	8	250	5	0.65	<1	22	82	72	3.69	0.21	<10	0.98	660	<1	0.02	60	500	12	<5	<20	45	0.14	<10	99	<10	10	39
47	L46+50E:51+60N	<5	<2	1.95	15	6	205	<5	0.67	<1	13	54	53	2.46	0.11	<10	0.59	418	<1	0.01	38	570	10	<5	<20	44	0.10	<10	65	<10	10	29
48	L46+50E:51+70N	<5	<2	2.41	5	8	200	<5	0.42	<1	25	73	157	3.41	0.24	<10	1.07	312	<1	0.02	45	1350	10	<5	20	29	0.22	<10	100	<10	9	61
49	L46+50E:51+80N	<5	<2	1.11	<5	6	135	5	0.27	<1	14	78	28	1.77	0.09	<10	0.58	177	<1	0.03	27	570	12	<5	60	14	0.16	<10	46	<10	6	90
50	L46+50E:51+90N	<5	<2	1.34	<5	6	135	<5	0.22	<1	15	35	38	2.02	0.06	<10	0.47	298	<1	0.02	21	1020	8	<5	<20	17	0.13	<10	52	<10	5	70
51	L46+50E:52N	10	<2	0.55	<5	6	60	<5	0.19	<1	8	50	14	1.38	0.03	<10	0.32	152	<1	0.02	13	240	6	<5	40	9	0.09	<10	35	<10	3	35
52	L46+50E:52+10N	<5	<2	1.29	<5	8	185	10	0.17	<1	17	37	41	2.18	0.11	<10	0.45	493	<1	0.02	19	1030	10	<5	<20	13	0.16	<10	53	<10	6	68
53	L46+50E:52+20N	<5	<2	1.48	<5	6	90	5	0.16	<1	13	29	44	2.05	0.06	<10	0.39	318	<1	0.02	14	1420	10	<5	<20	15	0.14	<10	50	<10	5	74
54	L46+50E:52+30N	<5	<2	0.79	<5	6	210	5	0.35	<1	10	9	19	1.33	0.09	<10	0.22	428	<1	0.02	6	1020	6	<5	<20	23	0.10	<10	33	<10	5	35
55	L46+50E:52+40N	<5	<2	1.19	<5	8	320	10	0.34	<1	16	27	22	1.75	0.10	<10	0.35	776	<1	0.02	17	1780	10	<5	<20	21	0.11	<10	37	<10	5	58
56	L46+50E:52+50N	<5	<2	2.03	<5	8	205	10	0.28	<1	21	55	33	2.83	0.11	<10	0.67	318	<1	0.02	35	1270	12	<5	<20	18	0.17	<10	60	<10	6	60
57	L46+50E:52+60N	5	<2	2.27	<5	6	160	15	0.35	<1	22	60	53	2.93	0.23	<10	0.87	375	<1	0.02	39	440	12	<5	<20	25	0.21	<10	80	<10	8	53
58	L46+50E:52+70N	<5	<2	1.40	<5	6	165	5	0.22	<1	17	43	39	2.05	0.08	<10	0.57	413	<1	0.02	30	460	10	<5	<20	16	0.15	<10	51	<10	6	51
59	L46+50E:52+80N	35	<2	2.52	<5	8	230	<5	0.32	<1	22	84	131	3.09	0.23	<10	0.96	330	<1	0.02	51	300	10	<5	40	28	0.20	<10	92	<10	8	38
60	L46+50E:52+90N	5	<2	0.61	<5	6	80	5	0.15	<1	8	25	13	1.05	0.02	<10	0.29	208	<1	0.02	17	210	8	<5	<20	12	0.09	<10	28	<10	3	29
61	L46+50E:53N	<5	<2	1.29	<5	6	125	10	0.18	<1	13	22	15	1.86	0.04	<10	0.34	306	<1	0.02	16	1070	14	<5	<20	17	0.16	<10	41	<10	6	62
62	L46+50E:53+10N	<5	<2	0.95	<5	6	125	10	0.13	<1	11	22	14	1.73	0.05	<10	0.34	526	<1	0.02	12	360	10	<5	<20	13	0.17	<10	50	<10	6	52
63	L46+50E:53+20N	20	<2	1.19	<5	6	85	10	0.13	<1	12	31	15	1.92	0.03	<10	0.38	389	<1	0.02	16	530	10	<5	<20	8	0.15	<10	50	<10	6	50
64	L47E:51N	25	<2	2.56	20	8	150	10	0.32	<1	22	69	45	3.23	0.11	<10	0.85	321	<1	0.02	36	1080	12	<5	20	21	0.17	<10	84	<10	7	81
65	L47E:51+10N	<5	<2	2.30	5	8	175	10	0.32	<1	20	79	50	3.18	0.11	<10	0.86	274	<1	0.02	40	870	10	<5	40	20	0.17	<10	88	<10	7	52
66	L47E:51+20.N	25	<2	1.54	<5	6	120	10	0.29	<1	13	57	26	2.61	0.07	<10	0.69	195	<1	0.02	23	770	10	<5	<20	19	0.16	<10	67	<10	6	49

Et #	Tag #	Au (ppb)	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
67	L47E:51+30N	25	<2	1.78	<5	6	90	10	0.42	<1	20	130	25	2.78	0.05	<10	1.14	244	<1	0.03	64	450	10	♁	80	20	0.16	<10	64	<10	6	50
68	L47E:51+40N	10	<2	2.80	25	6	175	10	0.51	<1	20	77	64	3.52	0.15	<10	0.89	456	<1	0.02	51	390	12	♁	<20	36	0.12	<10	94	<10	8	36
69	L47E:51+50N	<5	<2	1.84	<5	6	230	10	0.29	<1	18	45	22	2.74	0.05	<10	0.52	485	<1	0.02	20	2830	10	♁	<20	23	0.14	<10	60	<10	6	88
70	L47E:51+60N	5	<2	2.66	<5	8	195	15	0.40	<1	23	61	30	3.39	0.07	<10	0.89	549	<1	0.02	29	1950	12	♁	<20	28	0.23	<10	78	<10	9	131
71	L47E:51+70N	<5	<2	0.81	<5	6	160	5	0.10	<1	11	12	13	1.70	0.06	<10	0.18	414	<1	0.01	7	1320	10	♁	<20	13	0.14	<10	39	<10	5	60
72	L47E:51+80N	5	<2	1.62	<5	6	300	10	0.22	<1	18	28	21	2.33	0.04	<10	0.44	438	<1	0.02	17	2980	12	♁	<20	23	0.18	<10	45	<10	7	122
73	L47E:51+90N	♁	<2	2.70	<5	8	210	15	0.41	<1	24	47	30	3.12	0.22	<10	0.96	628	<1	0.03	35	1230	14	♁	<20	36	0.26	<10	76	<10	10	82
74	L47E:52N	♁	<2	3.23	5	8	240	15	0.38	<1	27	59	53	3.71	0.33	<10	1.23	636	<1	0.03	49	600	12	♁	<20	32	0.30	<10	99	<10	11	66
75	L47E:52+10N	♁	<2	3.20	10	8	220	20	0.32	<1	27	56	49	3.72	0.31	<10	1.23	418	<1	0.03	42	470	14	5	<20	30	0.32	<10	110	<10	12	55
76	L47E:52+20N	♁	<2	3.62	15	8	205	15	0.35	<1	29	65	76	3.89	0.53	<10	1.48	331	<1	0.03	47	230	14	5	<20	44	0.33	<10	119	<10	13	51
77	L47E:52+30N	♁	<2	3.12	5	12	150	15	0.32	<1	26	67	38	3.41	0.16	<10	1.10	305	<1	0.03	49	440	14	♁	20	27	0.28	<10	89	<10	10	72
78	L47E:52+40N	♁	<2	2.75	10	8	180	15	0.35	1	27	75	56	3.39	0.10	<10	1.13	445	<1	0.03	52	1350	12	♁	20	32	0.26	<10	86	<10	10	106
79	L47E:52+50N	♁	<2	2.78	<5	8	145	15	0.24	1	22	41	31	3.19	0.09	<10	0.89	327	<1	0.03	28	1690	14	♁	<20	23	0.24	<10	77	<10	10	99
80	L47E:52+60N	10	<2	0.96	<5	8	95	10	0.22	<1	10	28	12	1.93	0.10	<10	0.46	219	<1	0.03	9	400	10	♁	<20	15	0.15	<10	52	<10	5	37
81	L47E:52+70N	♁	<2	0.75	<5	6	90	5	0.13	<1	12	21	7	1.50	0.03	<10	0.17	1134	<1	0.01	10	1050	8	♁	<20	2	0.10	<10	33	<10	3	53
82	L47E:52+80N	35	<2	2.86	<5	8	165	10	0.25	<1	28	205	77	3.41	0.08	<10	1.62	298	<1	0.02	98	970	10	5	140	14	0.23	<10	92	<10	8	83
83	L47E:52+90N	5	<2	3.09	<5	6	180	10	0.28	<1	26	174	67	3.67	0.07	<10	1.59	247	<1	0.02	81	1450	12	♁	100	20	0.23	<10	95	<10	9	111
84	L47E:53N	♁	<2	2.61	<5	6	145	15	0.26	<1	26	154	41	3.15	0.05	<10	1.29	398	<1	0.02	64	1330	12	♁	100	15	0.23	<10	78	<10	8	124
85	L47E: 40+80N	♁	<2	1.32	<5	8	140	10	0.17	<1	13	41	15	2.06	0.04	<10	0.44	286	<1	0.02	19	1260	10	♁	<20	13	0.14	<10	47	<10	5	65
86	L47E: 50+90N	♁	<2	0.55	<5	8	100	10	0.17	<1	8	19	7	1.47	0.03	<10	0.17	143	<1	0.01	8	400	8	♁	<20	12	0.11	<10	37	<10	4	27

**QC/DATA:**


**Repeat #:**

24	0.2	1.74	20	6	160	<5	0.50	<1	15	48	62	2.38	0.15	<10	0.63	397	<1	0.02	34	380	8	♁	<20	31	0.10	<10	70	<10	8	29
64	<2	2.54	20	8	150	10	0.31	1	21	69	44	3.19	0.12	<10	0.83	311	<1	0.02	36	1010	10	♁	20	21	0.16	<10	84	<10	7	82
78	<2	2.68	<5	14	175	15	0.34	<1	26	74	54	3.30	0.09	<10	1.09	431	<1	0.03	50	1330	12	♁	20	30	0.25	<10	84	<10	9	104

**Standard 1891:**

1.0	1.77	65	8	150	5	1.82	1	16	63	74	3.33	0.37	<10	1.02	710	<1	0.02	21	680	20	♁	<20	66	0.10	<10	78	<10	8	73
1.4	1.77	65	6	165	<5	1.85	<1	17	63	75	3.40	0.39	<10	1.03	700	<1	0.02	20	700	20	♁	<20	65	0.10	<10	75	<10	7	70

cc/fac: Dave Ridley

  
**Eco-TECH LABORATORIES LTD.**  
 Frank J. Pezzotti, A.Sc.T.  
 B.C. Certified Assayer

23-Jun-94

ECO-TECH LABORATORIES LTD.  
10041 East Trans Canada Highway  
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V2C 2J3

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PIONEER METALS CORPORATION ETK 94-322  
1770-401 W. Georgia Street  
VANCOUVER, B.C.  
V6B 5A1

ATTENTION: David Dunn

12 ROCK samples received June 10, 1994  
PROJECT #: CANIM LAKE

Values in ppm unless otherwise reported

Et#	Tag #	Au (ppb)	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	HEN94DR1	5	<2	1.98	10	10	55	10	2.05	<1	30	105	87	4.45	0.83	<10	1.05	336	3	0.13	32	1050	40	<5	<20	114	0.25	20	115	30	20	56
2	HEN94DR2	5	<2	0.58	<5	10	45	<5	0.66	<1	20	43	164	3.10	0.16	<10	0.21	210	4	0.07	17	1240	6	<5	<20	45	0.1	10	46	<10	12	32
3	HEN94DR3	5	<2	3.06	<5	10	45	20	2.44	<1	39	85	86	5.68	0.31	<10	1.52	266	1	0.12	69	1020	28	5	<20	100	0.17	<10	94	<10	12	28
4	HEN94DR4	5	<2	3.81	<5	10	65	25	3.84	<1	39	148	77	6.69	0.47	<10	1.65	544	<1	0.26	75	980	36	10	<20	107	0.19	<10	121	<10	14	38
5	HEN94DR5	5	<2	6.79	<5	30	225	10	5.30	<1	16	38	79	2.65	0.51	20	0.74	222	9	0.30	9	1580	58	5	<20	359	0.18	<10	77	<10	16	25
6	HEN94CR1	10	<2	6.24	60	16	115	10	4.58	2	36	330	180	3.12	0.89	<10	1.11	229	1	0.13	173	1370	50	15	280	253	0.22	<10	100	<10	17	28
7	HEN94CR2	5	<2	1.69	<5	12	110	<5	1.19	<1	21	56	131	2.19	0.28	<10	0.42	238	9	0.09	25	970	18	<5	<20	48	0.16	<10	62	<10	16	29
8	126201	5	<2	4.38	<5	20	145	10	3.89	<1	12	30	39	1.55	0.14	<10	0.29	239	1	0.12	10	1360	40	<5	<20	163	0.14	<10	64	<10	13	18
9	126203	20	0.4	1.5	10	16	90	<5	11.10	<1	39	102	115	4.61	0.29	<10	0.54	306	<1	0.09	93	750	16	10	<20	911	0.07	<10	37	<10	7	13
10	126204	10	0.2	1.71	<5	12	45	20	0.86	<1	19	128	72	3.74	0.48	<10	0.83	560	8	0.11	50	410	20	<5	20	58	0.2	10	110	<10	18	113
11	126205	20	<2	1.84	120	12	85	<5	1.39	3	21	137	153	3.07	0.67	<10	1.26	229	4	0.07	89	830	20	10	60	99	0.13	10	55	10	11	48
12	126206	5	<2	0.97	<5	14	80	10	4.02	<1	18	50	105	2.84	0.34	<10	0.65	219	3	0.06	13	810	10	10	<20	81	0.18	<10	84	<10	16	30

**QC DATA:**

**Repeat #:**

6	HEN94CR1	-	<2	6.23	65	14	125	10	4.59	2	36	331	182	3.13	0.89	<10	1.11	232	2	0.13	173	1390	54	15	280	254	0.22	<10	100	<10	18	28
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**Standard 1991:**

-		-	1.0	1.84	65	10	155	<5	1.84	2	19	65	79	3.69	0.36	<10	0.94	705	<1	0.02	23	680	22	<5	<20	59	0.11	<10	78	<10	9	67
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cc/fax: Dave Ridley

  
ECO-TECH LABORATORIES LTD.  
Frank J. Pezzotti, A.Sc.T.  
B.C. Certified Assayer

24-Jun-94

ECO-TECH LABORATORIES LTD.  
10041 East Trans Canada Highway  
KAMLOOPS, B.C.  
V2C 2J3

Phone: 604-573-5700  
Fax : 604-573-4557

PIONEER METALS CORPORATION ETK 94-323  
1770-401 W. Georgia Street  
VANCOUVER, B.C.  
V8B 5A1

ATTENTION: David Dunn

12 SOIL samples received June 13, 1994  
PROJECT #: CANIM LAKE

Values in ppm unless otherwise reported

Et #	Tag #	Au (ppb)	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
1	126 202	5	<2	3.02	<5	10	325	5	0.48	1	41	42	145	4.67	0.22	<10	1.25	606	<1	0.03	40	2450	12	<5	<20	44	0.28	<10	117	<10	10	245
2	HEN 94 DS-1	40	<2	1.72	5	8	185	10	0.63	<1	23	63	51	3.48	0.26	<10	0.93	1242	<1	0.02	30	880	8	<5	<20	36	0.15	<10	97	<10	7	44
3	HEN 94 DS-2	5	<2	1.22	<5	8	140	10	0.53	<1	19	72	45	3.73	0.23	<10	0.79	412	<1	0.02	31	980	6	<5	<20	31	0.12	<10	112	<10	6	33
4	HEN 94 DS-3	5	<2	3.74	35	10	335	<5	1.34	2	34	124	137	5.08	0.52	<10	1.60	982	<1	0.03	84	780	12	<5	40	73	0.17	<10	144	<10	15	71
5	HEN 94 DS-4	10	<2	2.78	50	10	225	5	0.89	1	28	109	76	4.53	0.36	<10	1.47	684	<1	0.03	64	940	12	<5	40	55	0.17	<10	128	<10	10	53
6	HEN 94 DS-5	<5	<2	2.53	<5	10	310	5	1.35	1	27	192	93	4.55	0.28	<10	1.28	618	<1	0.03	64	650	8	<5	100	86	0.11	<10	100	<10	7	63
7	HEN 94 DS-6	30	0.2	3.05	220	8	210	<5	0.93	4	25	76	171	4.16	0.21	<10	0.98	579	<1	0.04	67	340	12	<5	<20	48	0.17	<10	97	<10	12	55
8	HEN 94 CS-1	<5	<2	2.80	30	8	215	10	0.78	1	28	95	99	4.38	0.31	<10	1.36	681	<1	0.03	54	670	10	<5	20	56	0.17	<10	121	<10	11	57
9	HEN 94 CS-2	5	<2	2.87	40	10	240	10	0.83	1	32	127	92	4.76	0.44	<10	1.71	735	<1	0.03	81	1040	10	<5	40	57	0.19	<10	121	<10	11	58
10	HEN 94 CS-3	10	<2	2.76	25	10	235	10	0.78	1	28	84	78	4.73	0.30	<10	1.25	940	<1	0.03	46	740	12	<5	<20	53	0.18	<10	127	<10	10	65
11	HEN 94 CS-4	10	<2	2.79	20	10	225	10	0.85	<1	26	84	89	4.46	0.39	<10	1.36	533	<1	0.03	47	850	10	<5	<20	59	0.18	<10	124	<10	11	56
12	HEN 94 CS-5	<5	<2	2.85	10	10	230	15	0.83	<1	28	67	99	4.74	0.53	<10	1.58	544	<1	0.02	40	910	8	<5	<20	53	0.25	<10	154	<10	14	50

**QC DATA:**

**Repeat #:**

8	HEN 94 CS-1	<2	2.86	30	10	200	10	0.74	1	27	90	92	4.22	0.30	<10	1.33	640	<1	0.03	51	670	12	<5	20	50	0.17	<10	117	<10	11	56
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**Standard 1991:**

1.0	1.88	60	10	155	10	1.86	1	18	61	82	3.94	0.35	<10	0.91	714	<1	0.02	26	680	20	<5	<20	61	0.12	<10	76	<10	10	69
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cc/fax: Dave Ridley

  
ECO-TECH LABORATORIES LTD.  
Frank J. Pezzotti, A.Sc.T.  
B.C. Certified Assayer

28-Jun-94

ECO-TECH LABORATORIES LTD.  
10041 East Trans Canada Highway  
KAMLOOPS, B.C.  
V2C 2J3

Phone: 604-573-5700  
Fax : 604-573-4557

PIONEER METALS CORPORATION ETK 84-333  
1770-401 W. Georgia Street  
VANCOUVER, B.C.  
V6B 5A1

ATTENTION: David Dunn

173 SOIL samples received June 13, 1994

Values in ppm unless otherwise reported

Et#	Tag #	Au (ppb)	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
1	L50N, 42+00E	<5	<2	1.84	30	12	160	15	0.51	<1	21	63	87	3.15	0.23	<10	0.80	404	1	0.02	41	330	26	5	<20	29	0.22	<10	92	<10	17	70
2	L50N, 42+25E	<5	<2	2.29	15	10	235	15	0.48	<1	23	68	89	3.76	0.27	<10	0.97	453	<1	0.02	46	650	14	5	<20	25	0.21	<10	105	<10	14	70
3	L50N, 42+50E	<5	<2	1.97	5	12	455	15	0.57	<1	23	58	41	3.46	0.17	<10	0.71	419	<1	0.02	36	2470	14	10	<20	42	0.20	<10	74	<10	12	79
4	L50N, 42+75E	<5	<2	2.12	<5	12	235	20	0.48	<1	29	50	46	4.00	0.13	<10	0.94	512	<1	0.02	29	2130	14	10	<20	34	0.23	<10	98	<10	14	119
5	L50N, 43+00E	<5	<2	1.92	<5	10	145	15	0.45	<1	24	67	60	3.48	0.18	<10	0.87	338	<1	0.02	36	980	10	10	<20	29	0.20	<10	97	<10	12	68
6	L50N, 43+25E	<5	<2	2.48	5	10	180	15	0.47	<1	27	89	70	4.00	0.20	<10	1.20	402	<1	0.02	47	1240	12	5	<20	41	0.22	<10	101	<10	13	87
7	L50N, 43+50E	<5	<2	2.28	<5	12	300	10	0.39	1	30	75	56	3.62	0.14	<10	1.04	519	<1	0.02	42	2180	16	10	<20	28	0.20	<10	81	<10	12	133
8	L50N, 43+75E	<5	<2	2.55	15	12	205	20	0.48	1	35	68	92	4.54	0.24	<10	1.00	383	<1	0.03	52	1750	14	10	<20	32	0.24	<10	111	<10	14	131
9	L50N, 44+00E	<5	<2	2.53	<5	10	185	10	0.55	<1	29	75	68	4.14	0.21	<10	1.21	392	<1	0.02	44	1900	10	<5	<20	34	0.22	<10	103	<10	13	157
10	L50N, 44+25E	<5	<2	1.97	<5	10	155	10	0.44	1	22	56	46	3.41	0.12	<10	0.83	368	<1	0.02	33	1120	10	10	<20	30	0.18	<10	88	<10	11	96
11	L50N, 44+50E	20	<2	1.68	<5	10	220	15	0.45	<1	23	41	53	3.37	0.21	<10	0.88	472	<1	0.03	24	580	12	10	<20	20	0.26	<10	100	<10	16	84
12	L50N, 44+75E	10	<2	2.21	<5	10	130	15	0.42	<1	24	62	32	3.63	0.11	<10	0.75	254	<1	0.02	34	1360	14	5	<20	25	0.19	<10	87	<10	12	119
13	L50N, 45+00E	<5	<2	1.83	<5	10	195	15	0.29	1	15	47	20	2.95	0.09	<10	0.50	166	<1	0.02	29	2110	12	10	<20	14	0.15	<10	68	<10	10	91
14	L50N, 45+25E	<5	<2	1.07	<5	10	130	10	0.32	<1	14	44	42	2.23	0.15	<10	0.45	266	<1	0.01	22	240	10	5	<20	18	0.16	<10	71	<10	12	51
15	L50N, 45+50E	<5	<2	1.89	<5	10	135	10	0.39	1	21	49	51	3.29	0.22	<10	0.75	326	1	0.02	32	660	12	10	<20	27	0.21	<10	110	<10	13	122
16	L50N, 45+75E	<5	<2	1.85	10	12	195	15	0.42	1	23	62	49	3.28	0.21	<10	0.92	273	<1	0.02	37	790	10	10	<20	23	0.20	<10	98	<10	13	57
17	L50N, 46+00E	<5	<2	1.17	<5	10	255	10	0.29	<1	20	39	38	2.37	0.15	<10	0.50	519	<1	0.02	23	1230	10	10	<20	20	0.17	<10	63	<10	10	72
18	L50N, 46+25E	<5	<2	1.99	10	10	210	15	0.39	<1	25	69	54	3.54	0.15	<10	0.89	251	<1	0.02	45	1430	12	10	<20	26	0.21	<10	97	<10	12	92
19	L50N, 46+50E	<5	<2	2.19	<5	10	295	20	0.34	<1	29	56	61	3.14	0.19	<10	0.95	530	<1	0.02	47	1110	14	10	<20	26	0.26	<10	83	<10	16	156
20	L50N, 46+75E	5	<2	2.04	20	10	350	10	0.56	<1	29	60	152	4.03	0.68	<10	1.32	489	<1	0.03	43	900	12	15	<20	32	0.32	<10	140	<10	25	66
21	L50N, 47+00E	<5	<2	2.06	15	10	300	10	0.47	<1	29	60	180	3.76	0.66	<10	1.16	389	<1	0.02	39	1010	10	15	<20	25	0.28	<10	138	<10	20	56
22	L50N, 47+25E	<5	<2	1.65	10	10	190	15	0.21	<1	26	50	37	3.06	0.23	<10	0.75	294	<1	0.02	33	1020	12	5	<20	16	0.25	<10	87	<10	15	84
23	L50N, 47+50E	<5	<2	1.90	15	10	225	15	0.24	<1	31	35	56	3.35	0.27	<10	0.77	276	<1	0.02	27	950	14	10	<20	17	0.30	<10	99	<10	17	123
24	L50N, 47+75E	<5	<2	1.88	<5	10	160	15	0.22	<1	25	28	93	3.30	0.14	<10	0.66	196	1	0.01	24	650	14	10	<20	22	0.28	<10	108	<10	15	126
25	L50N, 48+00E	<5	<2	2.62	15	10	220	10	0.28	<1	40	44	146	4.44	0.19	<10	0.93	227	2	0.01	49	660	14	<5	<20	27	0.28	<10	148	<10	15	104
26	L50N, 48+25E	<5	<2	1.42	<5	10	180	15	0.22	<1	23	29	42	2.71	0.18	<10	0.57	179	<1	0.01	16	690	14	5	<20	18	0.28	<10	94	<10	16	88
27	L50N, 48+50E	<5	<2	0.34	<5	10	130	5	0.18	<1	6	7	9	0.98	0.09	<10	0.12	126	<1	0.01	3	240	10	<5	<20	12	0.12	<10	33	<10	7	30
28	L50N, 48+75E	<5	<2	1.78	10	10	150	20	0.29	<1	23	43	49	4.30	0.18	<10	0.72	170	2	0.01	20	690	12	5	<20	28	0.28	<10	135	<10	15	89



Et #.	Tag #	Au (ppb)	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
29	L50N, 49+00E	<5	<2	2.58	15	12	240	10	0.71	<1	28	67	84	4.14	0.22	<10	0.81	1070	1	0.02	43	670	14	5	<20	46	0.18	<10	116	<10	16	61
30	L50N, 49+25E	<5	<2	1.37	<5	10	95	20	0.30	<1	14	48	26	3.64	0.08	<10	0.47	156	<1	0.01	17	730	12	<5	<20	21	0.19	<10	106	<10	12	45
31	L50N, 49+50E	<5	<2	1.46	<5	10	130	10	0.41	<1	18	44	29	3.19	0.09	<10	0.49	248	<1	0.02	21	840	12	5	<20	25	0.17	<10	84	<10	11	83
32	L50N, 49+75E	<5	<2	2.40	30	10	170	15	0.51	1	20	50	66	4.98	0.14	<10	0.59	218	<1	0.01	24	1620	10	<5	<20	29	0.14	<10	126	<10	10	73
33	L50N, 50+25E	5	<2	2.24	25	10	300	15	0.52	<1	29	56	121	4.35	0.58	<10	1.32	432	<1	0.02	32	910	10	15	<20	31	0.31	<10	162	<10	21	62
34	L50N, 50+50E	<5	<2	1.85	60	12	175	10	0.91	2	21	74	49	3.35	0.27	<10	1.03	670	<1	0.03	43	800	10	10	<20	50	0.14	<10	96	<10	12	52
35	L50N, 50+75E	10	<2	1.86	<5	12	165	15	0.86	<1	21	80	46	3.70	0.20	<10	0.95	395	<1	0.02	36	720	10	10	<20	46	0.17	<10	109	<10	13	59
36	L50N, 51E	<5	<2	1.74	10	12	155	10	0.86	1	18	67	40	3.02	0.18	<10	0.73	868	2	0.02	32	450	10	10	<20	44	0.16	<10	85	<10	11	40
37	L50N, 51+25E	<5	<2	2.73	15	12	220	10	0.69	1	24	84	81	4.23	0.19	<10	0.90	1043	2	0.02	48	540	14	15	<20	51	0.13	<10	115	<10	13	53
38	L50N, 51+50E	<5	<2	2.25	15	10	180	15	0.45	<1	23	74	48	3.50	0.19	<10	0.92	477	<1	0.02	35	520	12	<5	<20	36	0.19	<10	100	<10	14	49
39	L50N, 51+75E	<5	<2	1.41	25	10	155	10	0.34	<1	13	53	24	2.94	0.08	<10	0.58	209	1	0.02	21	1150	16	<5	<20	22	0.14	<10	81	<10	9	45
40	L50N, 52E	<5	<2	1.12	<5	10	125	10	0.35	<1	10	39	14	2.52	0.08	<10	0.38	198	<1	0.02	14	1490	10	<5	<20	21	0.12	<10	62	<10	7	56
41	L50N, 52+25E	<5	<2	2.42	15	12	145	15	0.39	<1	20	77	73	3.84	0.19	<10	1.03	351	<1	0.02	42	430	14	10	<20	29	0.20	<10	104	<10	14	50
42	L50N, 52+50E	<5	<2	1.76	20	10	140	15	0.43	<1	18	89	55	4.10	0.14	<10	0.90	254	<1	0.02	42	390	10	<5	<20	27	0.18	<10	113	<10	11	44
43	L50N, 52+75E	<5	<2	2.41	15	12	165	15	0.47	<1	21	84	66	4.34	0.23	<10	1.19	393	<1	0.02	42	700	12	10	<20	32	0.21	<10	121	<10	14	59
44	L50N, 53E	<5	<2	1.93	5	10	175	20	0.40	1	22	56	40	3.86	0.14	<10	0.97	520	<1	0.02	26	980	14	15	<20	23	0.22	<10	110	<10	13	79
45	L50N, 53+25E	<5	<2	2.13	<5	10	145	10	0.47	<1	24	61	89	3.87	0.11	<10	0.85	1300	<1	0.02	30	670	12	<5	<20	30	0.18	<10	112	<10	13	93
46	L50N, 53+50E	<5	<2	1.96	25	10	190	15	0.27	1	17	23	68	4.15	0.10	<10	0.85	627	<1	0.01	13	1790	12	10	<20	21	0.20	<10	147	<10	11	96
47	L50N, 53+75E	<5	<2	1.12	<5	10	115	15	0.35	<1	17	46	32	3.24	0.06	<10	0.46	464	1	0.02	16	860	12	<5	<20	26	0.17	<10	88	<10	10	58
48	L50N, 54E	<5	<2	1.68	<5	10	155	10	0.35	<1	17	58	32	3.71	0.11	<10	0.65	245	<1	0.02	22	630	12	5	<20	23	0.19	<10	101	<10	12	66
49	L50N, 54+25E	5	0.2	3.04	25	10	255	5	0.82	1	30	86	122	4.82	0.30	<10	1.03	791	2	0.02	56	750	14	10	<20	52	0.13	<10	129	<10	15	61
50	L50N, 54+50E	10	0.4	2.82	40	10	235	<5	0.41	2	22	82	178	4.52	0.29	<10	0.81	313	2	0.02	61	490	16	<5	<20	38	0.16	<10	112	<10	16	51
51	L50N, 54+75E	<5	<2	2.36	25	10	250	20	0.32	1	21	84	68	5.15	0.21	<10	0.97	290	1	0.02	44	280	14	10	<20	24	0.24	<10	132	<10	14	81
52	L50N, 55E	<5	<2	2.96	40	10	285	5	0.97	2	29	104	104	4.57	0.41	<10	1.34	1032	<1	0.02	71	650	12	10	<20	51	0.17	<10	126	<10	16	69
53	L50N, 55+25E	<5	0.6	4.51	90	12	420	10	1.36	3	38	151	176	5.90	0.55	<10	1.69	2811	3	0.02	117	840	14	10	<20	69	0.16	<10	159	<10	21	81
54	L50N, 55+50E	<5	0.4	4.58	55	12	325	15	1.20	3	39	170	227	6.82	0.57	<10	1.85	1122	2	0.02	127	520	18	10	<20	74	0.20	<10	167	<10	19	94
55	L50N, 55+75E	<5	0.8	5.43	55	12	465	<5	0.92	4	41	202	356	7.52	0.68	<10	2.02	912	<1	0.02	190	530	18	20	<20	70	0.23	<10	176	<10	23	104
56	L50N, 56E	<5	<2	5.29	90	10	375	10	1.20	4	45	184	204	6.96	0.62	10	2.00	1622	1	0.02	133	490	14	15	<20	64	0.21	<10	198	<10	27	86
57	L50N, 56+25E	<5	<2	4.25	50	12	305	15	1.18	2	37	149	156	6.06	0.54	<10	1.86	718	<1	0.02	97	720	14	15	<20	60	0.21	<10	173	<10	21	95
58	L50N, 56+50E	<5	<2	3.81	55	12	290	<5	1.56	2	26	144	170	5.63	0.46	<10	1.45	446	<1	0.02	90	590	14	10	<20	84	0.18	<10	159	<10	17	72
59	L50N, 56+75E	<5	0.2	3.28	15	12	265	10	0.76	2	28	138	163	5.90	0.40	<10	1.31	703	3	0.02	83	460	16	20	<20	38	0.21	<10	152	<10	14	88
60	L50N, 57E	<5	<2	4.29	25	10	260	10	0.67	2	33	179	172	7.05	0.57	<10	1.79	731	2	0.02	100	510	16	10	<20	34	0.24	<10	167	<10	15	115
61	L50N, 57+25E	5	0.4	4.19	30	10	305	15	0.62	2	36	176	194	6.78	0.59	<10	1.88	875	<1	0.02	109	670	18	10	<20	38	0.23	<10	160	<10	14	103
62	L50N, 57+50E	<5	<2	1.73	5	10	200	10	0.57	1	18	63	41	3.64	0.16	<10	0.81	543	<1	0.02	31	1090	12	10	<20	31	0.15	<10	88	<10	10	84
63	L50N, 57+75E	<5	<2	2.33	10	10	230	15	0.64	1	22	67	47	3.68	0.21	<10	1.04	712	<1	0.03	39	1670	12	10	<20	33	0.17	<10	96	<10	11	84
64	L50N, 58E	<5	<2	1.87	<5	10	175	10	0.35	1	18	59	27	3.62	0.10	<10	0.76	501	<1	0.02	26	950	12	<5	<20	22	0.17	<10	87	<10	11	87
65	L50N, 41+00E	<5	0.4	2.01	25	10	210	<5	0.65	1	22	39	156	3.21	0.15	10	0.45	1622	3	0.02	42	570	14	5	<20	36	0.14	<10	103	<10	18	53
66	L50N, 41+25E	<5	<2	2.45	30	12	205	10	0.69	1	22	58	94	4.07	0.23	<10	0.80	358	1	0.02	50	370	14	15	<20	39	0.21	<10	112	<10	19	48

Et #.	Tag #	Au (ppb)	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
67	L50N, 41+50E	<5	<2	2.04	30	10	235	5	0.81	1	16	55	99	3.58	0.25	<10	0.66	222	<1	0.02	41	370	14	10	<20	40	0.22	<10	107	<10	17	40
68	L50N, 41+75E	<5	<2	2.82	30	10	250	10	0.70	2	28	91	178	4.99	0.32	10	1.10	760	<1	0.03	75	510	14	10	<20	36	0.23	<10	141	<10	23	61
69	L51N, 42+00E	<5	<2	2.21	10	8	130	10	0.19	<1	17	44	21	2.93	0.06	<10	0.38	201	<1	0.01	18	2370	16	<5	<20	16	0.16	<10	85	<10	10	58
70	L51N, 42+25E	<5	<2	1.74	<5	10	130	10	0.38	<1	20	54	50	3.22	0.12	<10	0.67	262	<1	0.02	32	720	12	10	<20	23	0.18	<10	79	<10	11	61
71	L51N, 42+50E	<5	<2	0.66	<5	8	90	5	0.13	<1	9	18	10	1.50	0.05	<10	0.14	155	<1	0.01	8	540	8	<5	<20	11	0.10	<10	42	<10	6	36
72	L51N, 42+75E	<5	<2	2.07	<5	8	155	10	0.43	<1	22	81	57	3.15	0.15	<10	1.03	248	<1	0.03	43	1000	12	20	<20	20	0.20	<10	80	<10	12	52
73	L51N, 43+00E	<5	<2	2.36	10	10	205	15	0.32	1	32	85	89	4.18	0.18	<10	1.17	365	<1	0.02	53	1910	12	15	<20	20	0.26	<10	98	<10	14	155
74	L51N, 43+25E	<5	<2	3.27	<5	10	190	15	0.63	<1	37	354	67	3.86	0.13	<10	2.51	335	<1	0.03	175	1320	12	15	240	35	0.21	<10	63	<10	11	79
75	L51N, 43+50E	<5	<2	1.69	25	10	165	10	0.48	<1	18	96	71	4.51	0.19	10	0.71	247	<1	0.02	35	670	8	<5	<20	29	0.18	<10	140	<10	14	40
76	L51N, 43+75E	<5	<2	2.08	25	10	235	5	0.60	<1	20	71	116	3.52	0.24	20	0.75	365	<1	0.02	51	670	10	5	<20	38	0.17	<10	93	<10	22	39
77	L51N, 44+00E	10	<2	2.83	95	10	265	5	0.91	2	27	94	170	4.69	0.35	20	1.03	681	2	0.02	68	800	22	10	<20	47	0.20	<10	135	<10	27	52
78	L51N, 44+25E	5	<2	1.55	30	8	155	5	0.59	<1	17	61	68	2.98	0.20	10	0.68	326	<1	0.02	35	790	10	5	<20	33	0.15	<10	91	<10	15	35
79	L51N, 44+50E	<5	<2	3.09	30	10	250	15	0.57	1	29	91	77	4.61	0.30	<10	1.14	541	<1	0.02	67	1430	14	10	<20	34	0.23	<10	117	<10	14	81
80	L51N, 44+75E	5	<2	2.19	35	8	170	10	0.51	1	20	55	60	3.12	0.20	<10	0.70	404	<1	0.02	48	330	14	10	<20	30	0.17	<10	91	<10	12	44
81	L51N, 45+00E	<5	<2	1.34	25	10	150	10	0.65	<1	16	54	36	2.89	0.20	<10	0.69	231	<1	0.02	24	1150	10	10	<20	34	0.16	<10	87	<10	11	37
82	L51N, 45+25E	<5	<2	1.27	<5	8	120	15	0.30	<1	18	44	29	2.49	0.13	<10	0.55	201	<1	0.02	23	700	10	10	<20	17	0.19	<10	71	<10	11	64
83	L51N, 45+50E	5	<2	2.65	5	10	315	20	0.39	<1	29	43	102	3.98	0.41	<10	0.94	386	<1	0.03	30	1750	12	10	<20	41	0.34	<10	129	<10	19	79
84	L51N, 45+75E	10	<2	2.01	5	10	270	15	0.54	<1	23	80	78	3.51	0.36	<10	1.04	364	<1	0.03	47	960	8	10	<20	29	0.21	<10	110	<10	14	44
85	L51N, 46+00E	<5	<2	1.63	<5	8	160	10	0.29	<1	23	89	43	2.60	0.12	<10	0.83	521	<1	0.02	42	610	10	15	<20	16	0.18	<10	71	<10	11	64
86	L51N, 46+25E	5	<2	1.67	<5	8	125	15	0.38	<1	17	80	30	2.83	0.11	<10	0.79	181	<1	0.02	34	970	12	5	<20	29	0.20	<10	79	<10	11	51
87	L51N, 46+50E	<5	<2	2.24	<5	8	165	15	0.32	<1	22	107	50	3.66	0.14	<10	1.06	213	<1	0.02	46	1150	12	5	<20	24	0.24	<10	103	<10	13	70
88	L51N, 46+75E	<5	<2	0.92	<5	8	120	10	0.22	<1	9	21	8	1.61	0.08	<10	0.23	112	<1	0.02	9	1580	10	<5	<20	19	0.13	<10	45	<10	7	38
89	L51N, 47+00E	<5	<2	1.97	15	8	275	15	0.45	1	23	72	40	3.12	0.13	<10	0.80	373	<1	0.02	39	1800	16	15	<20	33	0.24	<10	73	<10	13	155
90	L51N, 47+25E	5	<2	1.49	<5	8	190	15	0.33	<1	22	49	32	2.98	0.14	<10	0.66	246	<1	0.02	26	1140	12	5	<20	21	0.24	<10	77	<10	13	79
91	L51N, 47+50E	15	<2	2.28	<5	8	235	25	0.35	<1	26	51	60	4.67	0.14	<10	0.89	310	3	0.01	28	1550	12	<5	<20	30	0.28	<10	126	<10	15	144
92	L51N, 47+75E	5	<2	1.87	5	8	130	20	0.21	<1	23	35	37	3.71	0.09	<10	0.60	329	1	0.01	18	1060	16	10	<20	16	0.26	<10	107	<10	14	111
93	L51N, 48+00E	<5	<2	2.09	5	8	175	25	0.24	<1	29	44	58	3.77	0.12	<10	0.77	223	<1	0.01	20	910	14	<5	<20	27	0.36	<10	124	<10	19	155
94	L51N, 48+25E	<5	<2	1.92	10	8	145	20	0.25	<1	22	28	32	3.24	0.07	<10	0.50	239	<1	0.01	16	1320	16	10	<20	15	0.26	<10	92	<10	14	152
95	L51N, 48+50E	<5	<2	1.91	10	8	175	15	0.24	<1	25	38	77	3.85	0.11	<10	0.67	301	<1	0.01	22	2430	14	<5	<20	21	0.27	<10	109	<10	14	109
96	L51N, 48+75E	<5	<2	1.16	5	8	165	25	0.16	<1	17	35	26	3.14	0.23	<10	0.56	148	3	0.01	11	650	14	10	<20	14	0.29	<10	119	<10	16	71
97	L51N, 49+00E	<5	<2	1.41	10	8	190	10	0.70	<1	18	61	48	3.06	0.24	<10	0.84	582	<1	0.02	33	870	10	10	<20	40	0.17	<10	88	<10	12	53
98	L51N, 49+25E	10	<2	1.61	5	10	135	10	0.50	1	16	67	34	3.64	0.12	<10	0.76	225	<1	0.02	28	1510	10	15	<20	22	0.16	<10	106	<10	11	65
99	L51N, 49+50E	5	<2	1.45	<5	10	140	15	0.35	1	17	67	30	3.91	0.09	<10	0.66	225	<1	0.02	24	590	12	15	<20	22	0.18	<10	115	<10	11	61
100	L51N, 49+75E	<5	<2	1.18	<5	8	180	10	0.38	<1	12	48	12	2.94	0.08	<10	0.41	161	<1	0.01	15	1530	12	<5	<20	26	0.15	<10	74	<10	9	75
101	L51N, 50+25E	<5	<2	3.32	15	10	255	15	0.63	2	36	109	96	5.69	0.27	<10	1.41	1048	<1	0.02	63	780	14	10	<20	43	0.24	<10	153	<10	16	106
102	L51N, 50+50E	10	<2	1.73	<5	10	135	15	0.55	<1	19	65	43	3.45	0.15	<10	0.87	324	<1	0.02	28	580	12	5	<20	35	0.20	<10	108	<10	13	64
103	L51N, 50+75E	15	<2	2.67	15	10	225	15	0.83	2	26	85	87	4.69	0.24	<10	0.99	661	1	0.02	50	520	12	10	<20	54	0.18	<10	123	<10	15	63
104	L51N, 51E	10	0.6	3.73	95	12	280	5	1.28	3	26	87	108	3.81	0.32	10	1.02	821	3	0.02	60	830	16	10	<20	77	0.12	<10	98	<10	16	67

Et #.	Tag #	Au (ppb)	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
105	L51N, 51+25E	<5	<2	2.75	40	12	230	10	1.24	2	24	76	77	3.77	0.27	<10	1.16	363	2	0.03	49	800	12	15	<20	65	0.15	<10	113	<10	15	68
106	L51N, 51+50E	10	0.4	2.43	170	10	230	<5	1.58	4	31	69	129	6.00	0.17	10	0.70	1366	7	0.02	42	1060	10	<5	<20	89	0.08	<10	163	<10	19	45
107	L51N, 51+75E	10	0.4	2.35	50	12	190	<5	2.18	2	12	62	99	1.75	0.18	20	0.67	152	5	0.02	45	780	12	15	<20	101	0.07	<10	80	<10	21	40
108	L51N, 52E	<5	0.4	1.36	15	10	220	<5	1.95	1	10	40	94	2.55	0.11	<10	0.44	224	<1	0.02	32	800	12	10	<20	124	0.05	<10	43	<10	14	41
109	L51N, 52+25E	10	<2	2.39	85	12	215	10	1.27	2	25	92	80	3.85	0.33	<10	1.27	692	<1	0.03	57	960	12	15	<20	72	0.15	<10	110	<10	13	60
110	L51N, 52+50E	<5	<2	2.73	30	10	190	15	0.56	1	24	96	99	4.98	0.19	<10	1.00	374	1	0.02	55	350	14	10	<20	49	0.20	<10	124	<10	14	63
111	L51N, 52+75E	<5	<2	2.47	15	10	150	10	0.49	1	26	99	64	4.29	0.22	<10	1.26	390	<1	0.02	52	390	12	10	<20	47	0.22	<10	108	<10	15	61
112	L51N, 53E	<5	<2	1.79	10	10	120	15	0.51	1	16	79	52	3.68	0.13	<10	0.93	254	<1	0.02	37	470	12	10	<20	40	0.19	<10	105	<10	11	48
113	L51N, 53+25E	5	<2	3.08	10	10	210	5	0.62	1	32	129	126	5.18	0.29	<10	1.54	697	1	0.02	81	540	14	10	<20	56	0.20	<10	125	<10	15	84
114	L51N, 53+50E	<5	0.2	4.04	20	10	290	10	0.65	2	43	160	171	5.95	0.33	<10	1.79	1184	<1	0.02	108	770	16	10	<20	71	0.21	<10	137	<10	17	93
115	L51N, 53+75E	<5	<2	3.40	55	10	220	15	0.63	<1	45	140	111	5.19	0.28	<10	1.76	802	2	0.02	84	780	26	10	<20	52	0.26	<10	119	<10	17	84
116	L51N, 54E	<5	<2	1.77	15	8	215	15	0.40	1	19	95	36	3.64	0.12	<10	0.98	474	<1	0.02	45	640	14	10	<20	24	0.20	<10	95	<10	11	66
117	L51N, 54+25E	5	<2	3.67	<5	10	210	15	0.93	<1	37	332	46	4.71	0.18	<10	3.57	893	<1	0.03	181	1210	12	20	160	36	0.24	<10	78	<10	15	95
118	L51N, 54+50E	10	0.4	0.86	<5	10	230	10	0.53	<1	13	47	14	2.16	0.12	<10	0.46	2277	1	0.02	20	840	12	<5	<20	33	0.16	<10	63	<10	9	60
119	L51N, 54+75E	<5	<2	1.80	15	8	165	10	0.28	<1	18	62	28	3.30	0.10	<10	0.64	359	<1	0.02	30	600	14	<5	<20	21	0.19	<10	85	<10	10	53
120	L51N, 55E	<5	<2	3.18	45	12	185	20	0.63	1	36	99	104	5.21	0.40	<10	1.92	336	1	0.02	57	980	12	15	<20	46	0.31	<10	179	<10	18	55
121	L51N, 55+25E	<5	<2	2.32	65	12	190	20	0.69	2	27	98	60	4.48	0.25	<10	1.21	655	<1	0.02	52	760	12	10	<20	40	0.21	<10	124	<10	12	69
122	L51N, 55+50E	5	<2	2.95	80	12	250	15	1.13	2	31	134	99	4.69	0.40	<10	1.63	879	<1	0.03	86	970	14	10	<20	68	0.19	<10	126	<10	15	67
123	L51N, 55+75E	<5	<2	3.90	75	10	255	15	0.75	3	35	138	105	6.00	0.35	<10	1.67	881	2	0.02	85	470	14	10	<20	46	0.21	<10	150	<10	13	81
124	L51N, 56E	<5	<2	3.59	65	12	250	<5	1.14	2	26	125	101	4.98	0.35	<10	1.22	868	4	0.02	82	680	14	5	<20	72	0.15	<10	119	<10	12	67
125	L51N, 56+25E	<5	<2	3.50	185	12	230	10	1.64	4	37	149	106	5.61	0.40	<10	1.42	1364	6	0.03	81	720	10	10	<20	94	0.15	<10	174	<10	12	46
126	L51N, 56+50E	<5	<2	2.10	5	12	175	15	0.74	1	21	109	57	4.01	0.23	<10	1.42	466	<1	0.03	56	590	10	15	<20	43	0.23	<10	113	<10	14	54
127	L51N, 56+75E	5	<2	2.64	<5	10	195	15	0.47	<1	24	82	44	3.98	0.12	<10	1.16	497	<1	0.03	44	1670	12	<5	<20	30	0.18	<10	96	<10	11	99
128	L51N, 57E	<5	<2	3.03	20	10	225	20	0.64	1	27	94	55	4.40	0.17	<10	1.29	441	<1	0.03	58	1680	14	10	<20	47	0.18	<10	105	<10	12	107
129	L51N, 57+25E	<5	<2	1.95	15	10	270	10	0.60	1	21	75	36	3.61	0.16	<10	0.99	637	<1	0.02	39	1880	12	<5	<20	46	0.16	<10	86	<10	10	85
130	L51N, 57+50E	<5	<2	1.73	<5	10	135	10	0.56	<1	14	56	22	3.01	0.12	<10	0.73	287	<1	0.02	27	1260	12	10	<20	31	0.17	<10	75	<10	10	64
131	L51N, 57+75E	<5	<2	2.00	10	8	210	10	0.55	<1	18	70	41	3.59	0.14	<10	0.99	369	<1	0.02	38	1220	10	10	<20	35	0.19	<10	95	<10	12	74
132	L51N, 58E	<5	<2	1.83	10	8	135	10	0.28	<1	13	47	24	3.10	0.08	<10	0.61	243	<1	0.02	21	780	14	10	<20	16	0.17	<10	81	<10	10	47
133	L51N, 41+00E	10	<2	2.81	65	10	220	<5	0.93	2	23	92	275	4.55	0.32	<10	0.81	433	<1	0.02	104	300	12	10	<20	42	0.21	<10	121	<10	24	45
134	L51N, 41+25E	<5	<2	2.17	<5	10	200	15	0.60	<1	27	106	77	3.69	0.21	<10	1.05	438	<1	0.02	84	690	10	5	<20	34	0.27	<10	88	<10	15	73
135	L51N, 41+50E	<5	<2	2.38	15	12	200	15	0.49	<1	26	96	74	4.33	0.15	<10	1.09	376	<1	0.02	46	1870	10	5	<20	32	0.23	<10	108	<10	13	64
136	L51N, 41+75E	<5	<2	1.20	<5	10	160	15	0.48	<1	16	46	16	2.45	0.15	<10	0.70	261	<1	0.03	17	600	12	10	<20	24	0.21	<10	70	<10	12	61
137	BL50E, 50+00N	<5	<2	2.36	30	10	295	15	0.51	1	29	57	116	4.47	0.50	<10	1.32	471	<1	0.02	34	940	10	15	<20	31	0.29	<10	162	<10	19	74
138	BL50E, 50+25N	<5	<2	2.41	30	10	310	15	0.45	2	28	55	100	4.69	0.42	<10	1.19	436	5	0.02	31	1120	10	20	<20	32	0.26	<10	159	<10	16	81
139	BL50E, 50+50N	<5	<2	2.26	15	10	540	20	0.36	<1	33	55	170	4.33	0.92	<10	1.57	290	<1	0.01	30	970	10	20	<20	15	0.39	<10	172	<10	22	50
140	BL50E, 50+75N	<5	<2	1.36	5	8	170	15	0.28	1	15	35	24	3.28	0.12	<10	0.53	243	<1	0.01	15	1040	10	5	<20	19	0.21	<10	91	<10	12	116
141	BL50E, 51+00N	<5	<2	1.99	10	10	160	15	0.58	1	23	66	47	3.83	0.13	<10	1.09	539	<1	0.02	34	540	10	10	<20	32	0.20	<10	109	<10	13	101
142	BL50E, 51+25N	5	<2	1.61	<5	10	135	10	0.48	<1	21	69	36	3.48	0.13	<10	0.83	445	<1	0.02	31	470	10	10	<20	28	0.18	<10	101	<10	12	75

Et #.	Tag #	Au (ppb)	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
143	BL50E, 51+50N	<5	<2	2.08	10	10	195	15	0.71	<1	23	78	66	3.94	0.26	<10	1.04	555	<1	0.02	42	720	10	5	<20	44	0.18	<10	111	<10	13	55
144	BL50E, 51+75N	<5	<2	1.86	15	8	210	15	0.75	1	23	93	73	4.30	0.36	<10	1.12	452	<1	0.03	46	1230	8	10	<20	41	0.20	<10	124	<10	14	52
145	BL50E, 52+00N	<5	<2	2.25	10	12	200	10	0.67	1	21	74	70	3.77	0.18	<10	0.86	375	<1	0.02	44	640	12	10	<20	45	0.16	<10	96	<10	12	55
146	BL50E, 52+25N	5	<2	2.66	10	10	180	10	0.37	2	26	83	84	4.42	0.19	<10	0.95	580	<1	0.02	51	470	12	15	<20	28	0.17	<10	106	<10	14	59
147	BL50E, 52+50N	<5	<2	2.29	10	8	215	10	0.76	1	23	82	69	4.14	0.31	<10	1.08	623	<1	0.02	44	940	10	10	<20	50	0.17	<10	107	<10	14	59
148	BL50E, 52+75N	<5	<2	1.86	<5	10	165	10	0.54	<1	20	63	48	3.30	0.20	<10	0.95	353	<1	0.03	34	580	12	<5	<20	36	0.19	<10	95	<10	13	54
149	BL50E, 53+00N	5	<2	1.72	10	10	145	15	0.55	1	19	64	44	3.28	0.22	<10	0.88	338	<1	0.02	36	1100	10	15	<20	30	0.17	<10	88	<10	13	49
150	BL50E, 53+25N	<5	<2	2.17	10	10	155	15	0.49	<1	21	75	45	3.79	0.15	<10	0.94	314	<1	0.02	40	840	12	5	<20	38	0.18	<10	94	<10	13	56
151	BL50E, 53+50N	<5	0.4	1.66	<5	8	125	10	0.29	<1	16	55	30	2.88	0.09	<10	0.80	621	<1	0.02	23	600	10	10	<20	27	0.14	<10	71	<10	9	60
152	BL50E, 53+75N	<5	<2	1.74	5	8	140	15	0.31	<1	13	57	20	3.15	0.08	<10	0.60	235	<1	0.02	20	1450	12	<5	<20	24	0.14	<10	71	<10	8	68
153	BL50E, 54+00N	<5	<2	2.27	45	10	155	10	0.42	<1	19	64	53	3.44	0.17	<10	0.82	274	1	0.02	38	1050	16	<5	<20	27	0.16	<10	91	<10	10	51
154	BL50E, 54+25N	<5	1.0	1.92	<5	8	130	<5	0.23	<1	15	55	52	2.89	0.11	<10	0.67	299	<1	0.02	24	640	12	<5	<20	22	0.07	<10	78	<10	5	42
155	BL50E, 54+50N	5	<2	2.20	<5	10	150	10	0.36	<1	14	59	45	2.92	0.18	<10	0.84	238	<1	0.02	27	820	14	5	<20	25	0.17	<10	78	<10	10	52
156	BL50E, 54+75N	<5	<2	1.48	10	8	110	10	0.22	<1	12	48	32	2.08	0.09	<10	0.59	131	<1	0.02	19	190	14	5	<20	17	0.23	<10	73	<10	12	37
157	BL50E, 55+00N	<5	0.2	2.23	5	10	145	15	0.43	1	21	65	61	3.21	0.12	<10	0.98	343	2	0.02	33	450	12	10	<20	35	0.15	<10	92	<10	10	54
158	BL50E, 55+25N	<5	<2	2.51	5	10	150	15	0.28	1	17	62	46	4.12	0.11	<10	0.82	206	<1	0.02	26	390	10	<5	<20	21	0.19	<10	110	<10	10	47
159	BL50E, 55+50N	<5	<2	1.51	5	12	135	10	0.45	<1	13	47	46	2.60	0.09	<10	0.70	172	<1	0.02	19	260	22	10	<20	25	0.18	<10	75	<10	10	46
160	BL50E, 55+75N	5	<2	1.81	10	10	155	15	0.60	<1	17	48	57	3.41	0.15	<10	0.69	288	1	0.02	24	370	12	10	<20	31	0.17	<10	91	<10	11	38
161	BL50E, 56+00N	<5	<2	2.21	5	8	205	10	0.71	<1	25	63	55	3.12	0.17	<10	0.91	524	<1	0.02	32	450	12	10	<20	40	0.16	<10	96	<10	10	52
162	BL50E, 56+25N	<5	<2	2.42	20	10	150	15	0.41	<1	19	69	56	3.98	0.12	<10	0.84	323	<1	0.02	29	480	14	5	<20	33	0.17	<10	109	<10	10	45
163	BL50E, 56+50N	10	<2	3.45	10	10	240	10	0.40	<1	30	84	95	4.68	0.27	<10	1.22	653	2	0.02	47	460	12	15	<20	32	0.20	<10	126	<10	12	67
164	BL50E, 56+75N	<5	<2	2.21	<5	10	175	15	0.48	1	21	68	54	3.77	0.17	<10	1.02	296	<1	0.03	30	850	10	10	<20	30	0.21	<10	103	<10	12	59
165	BL50E, 57+00N	<5	<2	2.38	20	10	145	20	0.59	<1	24	84	63	4.48	0.21	<10	1.25	323	<1	0.03	37	650	12	10	<20	32	0.22	<10	119	<10	13	53
166	BL50E, 57+25N	<5	<2	2.83	20	10	175	10	0.74	1	26	92	110	4.71	0.22	<10	1.07	372	<1	0.03	48	420	14	10	<20	46	0.21	<10	124	<10	15	52
167	BL50E, 57+50N	40	<2	2.60	10	10	205	<5	0.75	1	26	88	137	4.18	0.30	<10	1.05	747	<1	0.03	55	410	14	10	<20	47	0.21	<10	104	<10	16	65
168	BL50E, 57+75N	<5	<2	2.51	5	10	150	10	0.49	1	26	96	72	4.15	0.26	<10	1.23	406	<1	0.03	53	360	10	15	<20	33	0.20	<10	107	<10	13	60
169	BL50E, 58+00N	<5	<2	2.17	10	10	160	15	0.44	<1	27	75	60	3.83	0.15	<10	0.86	849	<1	0.03	35	630	12	10	<20	36	0.18	<10	96	<10	12	51
170	BL50E, 58+25N	<5	<2	2.95	10	10	195	15	0.53	1	27	90	79	4.63	0.32	<10	1.43	472	<1	0.03	45	560	12	20	<20	34	0.22	<10	123	<10	15	52
171	BL50E, 58+50N	<5	<2	2.04	85	10	195	10	1.05	2	21	83	64	3.26	0.20	<10	0.90	765	2	0.03	41	340	10	20	<20	60	0.16	<10	100	<10	11	44
172	BL50E, 58+75N	<5	<2	3.06	100	8	305	5	1.14	2	37	179	139	5.18	0.40	<10	1.75	1477	3	0.03	101	320	10	20	<20	60	0.18	<10	122	<10	12	65
173	L58N	<5	<2	2.27	30	10	170	15	0.74	1	18	75	39	4.08	0.09	<10	0.48	151	2	0.02	37	190	12	<5	<20	36	0.20	<10	107	<10	12	32

QC DATA:	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn	
<b>Repeat #:</b>																															
36	<.2	1.80	15	12	155	10	0.87	1	18	69	41	3.09	0.18	<10	0.75	859	2	0.02	33	480	10	10	<20	44	0.16	<10	87	<10	12	41	
65	0.6	2.01	25	10	205	<5	0.65	1	22	40	156	3.21	0.15	10	0.44	1630	3	0.02	42	580	16	5	<20	39	0.14	<10	104	<10	19	52	
94	<.2	1.93	5	8	160	20	0.25	<1	22	30	34	3.27	0.08	<10	0.52	254	<1	0.01	17	1340	16	<5	<20	19	0.26	<10	92	<10	14	149	
142	<.2	1.61	5	10	135	15	0.47	<1	21	71	36	3.51	0.13	<10	0.83	444	<1	0.02	32	480	10	10	<20	26	0.18	<10	101	<10	12	75	
163	<.2	3.57	10	8	250	10	0.42	<1	31	87	98	4.85	0.28	<10	1.27	672	<1	0.02	48	480	12	10	<20	37	0.21	<10	130	<10	12	68	
<b>Standard 1991:</b>																															
	1.2	1.97	65	12	170	<5	1.80	2	20	62	90	3.94	0.35	<10	0.93	662	<1	0.02	27	680	20	<5	<20	65	0.12	<10	78	<10	12	72	
	1.0	1.97	70	10	175	<5	1.80	2	20	62	89	3.92	0.34	<10	0.92	665	<1	0.02	26	690	22	<5	<20	64	0.13	<10	78	<10	12	71	
	1.0	1.96	60	12	170	<5	1.90	2	20	61	89	3.91	0.34	<10	0.92	650	<1	0.02	26	680	20	<5	<20	65	0.12	<10	77	<10	12	72	
	1.2	1.97	65	12	170	5	1.88	2	20	62	90	3.93	0.33	<10	0.93	651	<1	0.02	26	680	18	10	<20	64	0.12	<10	78	<10	12	69	
	1.2	1.93	60	8	170	<5	1.80	2	20	60	89	3.92	0.33	<10	0.91	649	<1	0.02	26	690	20	10	<20	63	0.12	<10	77	<10	11	69	

XLS/Pioneer

  
**ECO-TECH LABORATORIES LTD.**  
 Frank J. Pezzotti, A.Sc.T.  
 B.C. Certified Assayer

June 24, 1994

ECO-TECH LABORATORIES LTD.  
10041 East Trans Canada Highway  
KAMLOOPS, B.C.  
V2C 2J3

Phone: 604-573-5700  
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PIONEER METALS CORPORATION ETK 94-312  
1770-401 W. Georgia Street  
VANCOUVER, B.C.  
V6B 5A1

ATTENTION: David Dunn

192 soil samples received June 13, 1994  
PROJECT #: CANIM LAKE

Values in ppm unless otherwise reported

Et #.	Tag #	Au (ppb)	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
1	L55N 42+00E	10	<2	1.53	10	10	145	10	0.52	<1	19	57	77	3.20	0.25	<10	0.84	337	<1	0.02	27	890	8	5	<20	29	0.17	<10	92	<10	9	38
2	L55N 42+25E	10	<2	2.09	<5	8	180	10	0.35	<1	27	38	91	2.95	0.11	<10	0.65	359	<1	0.02	31	760	12	Δ	<20	33	0.19	<10	68	<10	8	69
3	L55N 42+50E	<5	<2	1.81	<5	8	175	15	0.30	<1	19	55	31	3.14	0.09	<10	0.67	352	<1	0.02	26	1600	12	Δ	<20	20	0.17	<10	81	<10	7	60
4	L55N 42+75E	5	<2	2.08	<5	10	170	15	0.37	<1	20	62	56	3.47	0.11	<10	0.85	212	<1	0.02	34	1490	8	Δ	<20	24	0.19	<10	94	<10	8	52
5	L55N 43+00E	<5	<2	2.40	<5	8	250	15	0.36	<1	27	56	39	3.64	0.09	<10	0.89	394	<1	0.02	30	1510	16	Δ	<20	28	0.23	<10	88	<10	9	129
6	L55N 43+25E	<5	<2	1.49	<5	8	115	15	0.21	<1	12	29	14	2.46	0.04	<10	0.33	127	<1	0.02	13	850	16	Δ	<20	15	0.17	<10	60	<10	7	45
7	L55N 43+50E	<5	<2	2.15	<5	10	180	10	0.23	<1	20	37	42	3.15	0.10	<10	0.52	411	<1	0.02	20	1380	14	Δ	<20	20	0.20	<10	75	<10	8	75
8	L55N 43+75E	45	<2	1.13	<5	8	105	10	0.16	<1	12	35	15	2.70	0.05	<10	0.34	176	<1	0.02	13	470	12	Δ	<20	12	0.17	<10	74	<10	7	49
9	L55N 44+00E	10	<2	2.35	10	8	120	10	0.45	<1	24	64	72	3.91	0.12	<10	0.71	386	<1	0.02	37	1060	12	Δ	<20	21	0.20	<10	106	<10	7	61
10	L55N 44+25E	10	<2	2.32	<5	10	135	15	0.36	<1	20	51	46	3.46	0.12	<10	0.76	227	<1	0.02	31	1280	10	Δ	<20	25	0.18	<10	87	<10	7	78
11	L55N 44+50E	<5	<2	2.95	<5	8	165	10	0.31	<1	25	71	67	3.97	0.10	<10	0.98	319	<1	0.02	39	1800	12	Δ	<20	25	0.21	<10	100	<10	8	85
12	L55N 44+75E	5	<2	2.09	<5	8	150	10	0.25	<1	19	48	29	3.02	0.06	<10	0.63	295	<1	0.02	25	880	14	Δ	<20	19	0.20	<10	77	<10	8	60
13	L55N 45+00E	<5	<2	4.05	<5	8	190	10	0.29	<1	27	69	64	4.32	0.08	<10	0.92	314	<1	0.02	40	910	18	Δ	<20	27	0.25	<10	106	<10	9	79
14	L55N 45+25E	5	<2	4.74	<5	8	260	5	0.30	<1	32	88	139	4.73	0.13	<10	1.34	313	<1	0.03	45	1050	16	5	<20	28	0.26	<10	127	<10	10	70
15	L55N 45+50E	5	<2	1.52	5	8	50	10	0.11	<1	11	23	28	2.40	0.02	<10	0.31	207	<1	0.02	13	780	16	10	<20	3	0.19	<10	70	<10	7	44
16	L55N 45+75E	<5	<2	1.56	<5	12	60	20	0.12	<1	12	23	38	2.56	0.01	<10	0.38	222	3	0.02	10	770	18	Δ	<20	17	0.21	<10	77	<10	8	49
17	L55N 46+00E	<5	<2	2.45	10	8	180	15	0.25	<1	18	52	43	3.93	0.06	<10	0.53	569	<1	0.02	31	940	16	Δ	<20	19	0.26	<10	113	<10	10	95
18	L55N 46+25E	<5	<2	3.95	<5	8	165	15	0.26	<1	25	190	55	4.57	0.06	<10	1.17	169	<1	0.02	73	2040	18	Δ	120	30	0.29	<10	114	<10	9	84
19	L55N 46+50E	30	<2	2.92	5	8	200	20	0.18	<1	24	216	52	4.30	0.06	<10	1.22	177	<1	0.02	129	960	20	Δ	160	15	0.27	<10	98	<10	11	72
20	L55N 46+75E	<5	<2	3.55	5	10	165	15	0.25	<1	34	286	67	4.56	0.10	<10	2.03	216	<1	0.02	96	940	22	Δ	240	19	0.30	<10	119	<10	11	76
21	L55N 47+00E	<5	<2	2.95	<5	10	120	15	0.29	<1	25	203	45	3.33	0.06	<10	1.95	164	<1	0.03	150	1490	20	Δ	160	18	0.24	<10	63	<10	9	65
22	L55N 47+25E	<5	<2	2.42	5	10	145	15	0.31	<1	19	247	39	3.43	0.05	<10	1.43	185	<1	0.02	56	1020	18	Δ	200	19	0.23	<10	102	<10	8	50
23	L55N 47+50E	5	<2	4.42	95	10	200	20	0.30	1	31	304	65	5.05	0.10	<10	2.35	213	<1	0.02	166	850	22	5	240	23	0.28	<10	113	<10	10	67
24	L55N 47+75E	<5	<2	2.76	<5	8	415	20	0.22	<1	18	157	43	4.04	0.14	<10	1.44	262	2	0.02	35	840	18	Δ	120	43	0.29	<10	117	<10	11	74
25	L55N 48+00E	10	<2	2.53	<5	10	265	15	0.41	<1	23	170	41	4.57	0.11	<10	1.58	311	<1	0.02	55	2120	16	5	120	28	0.27	<10	105	<10	10	96
26	L55N 48+25E	<5	<2	1.98	<5	8	155	10	0.33	<1	18	102	35	3.88	0.10	<10	0.88	242	<1	0.02	42	1400	14	Δ	60	25	0.19	<10	94	<10	8	80
27	L55N 48+50E	<5	<2	1.81	15	8	95	10	0.30	<1	15	62	35	3.65	0.09	<10	0.79	260	<1	0.01	28	560	14	Δ	<20	25	0.16	<10	95	<10	8	47
28	L55N 48+75E	5	<2	2.03	<5	8	135	15	0.40	<1	15	67	28	3.75	0.09	<10	0.76	201	<1	0.02	27	1770	16	Δ	20	26	0.18	<10	80	<10	8	71

Et #	Tag #	Au (ppb)	Ag	Al %	As	B	Ba	Bl	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
29	L55N 49+00E	5	<2	2.06	<5	10	115	15	0.27	<1	17	52	28	3.47	0.08	<10	0.60	332	<1	0.02	21	640	16	<5	20	22	0.18	<10	87	<10	9	48
30	L55N 49+25E	10	0.2	1.94	<5	8	90	10	0.26	<1	16	49	32	3.19	0.07	<10	0.73	291	<1	0.02	23	710	14	<5	<20	21	0.16	<10	82	<10	9	57
31	L55N 49+50E	5	<2	2.33	5	10	115	15	0.43	<1	18	65	49	4.10	0.15	<10	0.95	231	<1	0.02	29	620	14	<5	<20	27	0.22	<10	106	<10	11	48
32	L55N 49+75E	<5	<2	2.45	5	8	105	15	0.38	<1	15	58	47	3.53	0.13	<10	0.91	201	<1	0.02	24	360	20	<5	<20	27	0.24	<10	99	<10	11	47
33	L55N 50+25E	5	<2	1.75	<5	8	105	15	0.31	<1	12	45	25	3.07	0.07	<10	0.57	165	<1	0.02	18	520	14	<5	<20	22	0.17	<10	74	<10	8	40
34	L55N 50+50E	5	<2	1.83	<5	10	165	15	0.43	<1	13	50	22	3.52	0.08	<10	0.69	188	<1	0.02	18	1640	14	<5	<20	28	0.19	<10	91	<10	9	50
35	L55N 50+75E	5	<2	1.80	10	8	95	15	0.25	<1	14	53	37	3.40	0.08	<10	0.65	149	<1	0.02	20	220	16	<5	<20	22	0.23	<10	99	<10	11	34
36	L55N 51+00E	10	<2	2.12	15	10	140	10	0.84	<1	22	64	80	3.77	0.13	<10	0.89	631	<1	0.03	33	320	16	<5	<20	43	0.20	<10	116	<10	11	38
37	L55N 51+25E	<5	0.2	0.83	<5	8	55	<5	0.72	<1	2	9	33	0.47	0.02	<10	0.13	63	<1	0.01	7	750	10	<5	<20	34	0.04	<10	11	<10	8	12
38	L55N 51+50E	<5	<2	2.56	10	8	160	15	0.48	<1	20	69	48	4.30	0.13	<10	0.96	270	<1	0.02	35	1080	16	<5	<20	28	0.20	<10	109	<10	10	65
39	L55N 51+75E	5	<2	2.46	10	10	135	20	0.36	<1	19	61	39	4.44	0.12	<10	0.93	222	<1	0.02	27	600	18	<5	<20	24	0.24	<10	122	<10	11	64
40	L55N 52+00E	20	<2	2.64	<5	8	95	15	0.60	<1	19	61	58	4.67	0.12	<10	1.16	266	<1	0.03	24	240	18	<5	<20	47	0.25	<10	121	<10	12	52
41	L55N 52+25E	5	<2	1.93	10	10	170	15	0.75	<1	22	90	79	4.52	0.50	<10	1.24	350	<1	0.03	46	1200	12	5	20	46	0.20	<10	125	<10	13	58
42	L55N 52+50E	<5	<2	3.23	20	10	200	5	0.89	<1	26	88	98	4.93	0.29	<10	1.18	505	<1	0.02	52	570	20	<5	<20	58	0.18	<10	130	<10	15	68
43	L55N 52+75E	5	<2	2.22	10	10	155	15	0.59	<1	24	81	64	4.25	0.35	<10	1.32	497	<1	0.02	44	520	14	<5	<20	41	0.23	<10	106	<10	14	58
44	L55N 53+00E	<5	<2	2.68	15	10	165	10	0.71	<1	27	93	103	4.80	0.33	<10	1.27	605	<1	0.02	56	580	18	<5	<20	53	0.19	<10	117	<10	13	63
45	L55N 53+25E(A)	5	<2	2.64	15	10	110	15	0.39	<1	23	86	65	5.10	0.18	<10	1.27	345	<1	0.02	43	450	16	<5	<20	30	0.25	<10	121	<10	11	66
46	L55N 53+25E(B)	10	0.4	3.19	15	10	225	10	0.89	3	32	105	185	5.39	0.36	<10	1.31	748	<1	0.02	75	750	20	<5	20	54	0.22	<10	126	<10	15	81
47	L55N 53+50E	5	<2	2.59	15	10	175	<5	0.67	1	25	89	128	5.14	0.32	<10	1.08	505	<1	0.02	55	830	18	<5	<20	48	0.21	<10	117	<10	14	67
48	L55N 53+75E	<5	<2	2.12	10	10	185	10	0.89	<1	22	72	90	4.54	0.20	<10	0.87	432	<1	0.02	41	670	16	<5	<20	49	0.21	<10	116	<10	13	59
49	L55N 54+00E	10	0.2	1.71	5	8	160	15	0.37	1	18	68	50	3.84	0.15	<10	0.71	339	<1	0.02	32	790	16	5	<20	26	0.19	<10	89	<10	10	63
50	L55N 54+25E	<5	<2	1.89	<5	8	125	20	0.29	1	16	63	36	4.00	0.13	<10	0.74	250	<1	0.02	29	960	14	15	<20	13	0.21	<10	96	<10	10	51
51	L55N 54+50E	5	0.4	2.23	<5	10	130	15	0.36	1	22	65	45	4.12	0.13	<10	0.93	414	<1	0.02	36	790	18	<5	<20	20	0.20	<10	91	<10	10	68
52	L55N 54+75E	<5	0.4	2.02	10	10	180	15	0.58	1	24	75	50	4.46	0.16	<10	0.97	656	<1	0.02	39	800	14	5	<20	35	0.21	<10	103	<10	10	70
53	L55N 55+00E	5	0.2	2.73	10	10	190	15	0.66	1	34	123	95	5.53	0.31	<10	1.61	802	<1	0.02	59	610	16	10	20	48	0.22	<10	127	<10	13	67
54	L55N 55+25E	<5	0.4	2.26	10	8	160	15	0.60	1	23	90	65	4.43	0.20	<10	1.19	535	<1	0.02	46	730	16	<5	<20	37	0.21	<10	106	<10	11	59
55	L55N 55+50E	<5	<2	3.14	15	10	190	15	0.66	1	31	133	96	5.36	0.35	<10	1.75	624	<1	0.02	72	680	18	10	40	38	0.24	<10	130	<10	15	76
56	L55N 55+75E	<5	0.6	3.06	10	10	210	5	0.71	1	27	84	164	4.66	0.20	<10	1.15	1265	<1	0.02	57	760	20	10	<20	41	0.18	<10	112	<10	15	82
57	L55N 56+00E	<5	<2	3.33	10	8	205	10	0.55	1	30	79	127	5.41	0.16	<10	1.17	652	<1	0.02	56	680	22	10	<20	31	0.24	<10	133	<10	13	95
58	L55N 56+25E	10	0.6	2.41	<5	10	165	10	0.81	1	36	49	125	4.42	0.12	<10	1.04	2359	<1	0.06	38	1110	18	5	<20	37	0.22	10	111	<10	13	83
59	L55N 56+50E	<5	<2	2.17	10	8	215	15	0.38	<1	20	66	50	3.97	0.13	<10	1.01	382	<1	0.02	38	810	16	10	<20	28	0.21	<10	101	<10	11	68
60	L55N 56+75E	5	<2	2.64	10	8	130	20	0.35	2	21	75	42	4.33	0.09	<10	1.00	373	<1	0.02	45	1190	20	30	<20	12	0.21	<10	94	<10	10	99
61	L55N 57+00E	<5	<2	2.01	<5	8	130	15	0.38	5	16	65	27	3.85	0.06	<10	0.68	253	<1	0.01	47	790	16	95	<20	<1	0.20	<10	77	<10	9	87
62	L55N 57+25E	10	0.2	2.07	<5	8	150	20	0.29	<1	14	55	22	3.80	0.06	<10	0.60	199	<1	0.01	27	1740	18	<5	<20	19	0.18	<10	77	<10	9	97
63	L55N 57+50E	5	0.2	1.97	<5	8	110	15	0.19	<1	15	55	19	3.39	0.05	<10	0.58	315	<1	0.01	27	840	18	5	<20	11	0.18	<10	72	<10	9	102
64	L55N 57+75E	10	<2	1.86	5	10	120	15	0.37	<1	14	52	26	3.78	0.08	<10	0.77	250	<1	0.02	23	1040	16	5	<20	21	0.21	<10	105	<10	10	63
65	L55N 58+00E	<5	0.4	2.18	<5	10	120	15	0.89	<1	22	60	38	3.87	0.10	<10	1.02	751	<1	0.02	29	550	20	10	<20	44	0.21	<10	102	<10	11	90
66	L56N 42+00E	<5	<2	1.99	<5	10	150	15	0.52	<1	24	56	44	3.39	0.11	<10	0.88	328	<1	0.02	36	1380	14	10	<20	32	0.20	<10	87	<10	10	85

Et #.	Tag #	Au (ppb)	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
67	L56N 42+25E	<5	0.2	1.16	<5	8	110	10	0.32	<1	14	39	15	2.42	0.05	<10	0.47	207	<1	0.02	19	1190	12	<5	<20	20	0.16	<10	59	<10	8	50
68	L56N 42+50E	<5	<2	1.35	<5	8	110	15	0.26	<1	17	37	35	2.66	0.08	<10	0.56	225	<1	0.02	17	750	14	5	<20	19	0.18	<10	67	<10	9	84
69	L56N 42+75E	<5	0.2	1.50	<5	8	100	10	0.35	<1	18	31	27	2.52	0.08	<10	0.51	332	<1	0.02	20	870	14	5	<20	20	0.18	<10	61	<10	9	75
70	L56N 43+00E	<5	<2	2.29	<5	10	175	15	0.46	<1	25	51	42	3.53	0.13	<10	0.94	318	<1	0.03	30	1470	18	10	<20	24	0.23	<10	83	<10	12	101
71	L56N 43+25E	<5	<2	2.61	<5	10	155	15	0.46	<1	25	61	60	3.83	0.17	<10	0.94	383	<1	0.02	40	1320	18	10	<20	28	0.23	<10	91	<10	11	102
72	L56N 43+50E	<5	<2	1.60	<5	8	135	15	0.29	<1	23	39	28	2.65	0.08	<10	0.42	461	<1	0.02	32	1270	16	10	<20	15	0.17	<10	56	<10	9	84
73	L56N 43+75E	5	<2	1.85	5	10	145	15	0.37	<1	21	53	38	3.32	0.09	<10	0.58	483	<1	0.02	30	1190	18	5	<20	22	0.20	<10	88	<10	10	59
74	L56N 44+00E	<5	0.4	1.89	<5	10	110	15	0.25	<1	20	49	34	3.05	0.07	<10	0.58	392	<1	0.02	27	1210	16	<5	<20	16	0.18	<10	75	<10	10	92
75	L56N 44+25E	5	<2	2.07	<5	8	140	20	0.30	<1	20	59	40	4.00	0.09	<10	0.81	262	<1	0.02	30	970	16	5	<20	23	0.23	<10	108	<10	11	71
76	L56N 44+50E	5	<2	2.55	<5	10	140	20	0.40	<1	22	76	47	3.76	0.11	<10	0.92	342	<1	0.02	42	1650	18	10	<20	23	0.21	<10	96	<10	11	92
77	L56N 44+75E	5	0.2	0.60	<5	8	65	10	0.14	<1	7	28	8	1.81	0.02	<10	0.16	102	<1	0.01	8	660	10	<5	<20	9	0.15	<10	48	<10	8	22
78	L56N 45+00E	10	<2	3.07	<5	8	150	15	0.26	<1	20	58	71	4.06	0.07	<10	0.80	279	<1	0.02	30	1640	22	10	<20	20	0.26	<10	100	<10	13	97
79	L56N 45+25E	<5	<2	1.43	<5	8	90	20	0.26	<1	13	25	28	2.57	0.04	<10	0.45	224	<1	0.02	14	540	16	5	<20	17	0.23	<10	79	<10	12	48
80	L56N 45+50E	10	<2	2.74	<5	8	115	15	0.19	<1	17	48	37	3.70	0.03	<10	0.54	451	<1	0.01	34	1040	22	5	<20	13	0.22	<10	88	<10	11	86
81	L56N 45+75E	<5	<2	2.50	<5	8	155	20	0.19	1	20	39	33	4.22	0.04	<10	0.64	414	3	0.02	24	1130	22	10	<20	19	0.27	<10	154	<10	13	167
82	L56N 46+00E	<5	<2	1.50	<5	8	95	15	0.21	<1	14	61	33	3.33	0.05	<10	0.63	174	<1	0.02	28	1410	12	10	<20	9	0.22	<10	93	<10	10	48
83	L56N 46+25E	5	0.4	2.62	<5	10	165	20	0.42	<1	19	98	37	3.87	0.07	<10	0.96	257	<1	0.02	38	2050	16	10	40	19	0.21	<10	93	<10	10	66
84	L56N 46+50E	<5	<2	3.16	<5	10	140	20	0.30	<1	22	138	47	4.00	0.08	<10	1.55	213	<1	0.02	61	910	20	15	80	13	0.23	<10	85	<10	11	87
85	L56N 46+75E	<5	<2	2.25	<5	10	90	15	0.29	<1	19	169	30	3.12	0.03	<10	1.36	151	<1	0.02	67	870	18	10	120	11	0.26	<10	79	<10	12	55
86	L56N 47+00E	<5	0.2	2.45	<5	10	140	15	0.21	<1	23	278	35	3.15	0.04	<10	1.30	343	<1	0.02	67	680	16	10	240	12	0.23	<10	76	<10	11	99
87	L56N 47+25E	<5	<2	3.24	<5	10	225	15	0.43	<1	25	214	92	4.08	0.26	<10	1.75	238	<1	0.02	97	1300	20	15	160	19	0.23	<10	108	<10	12	58
88	L56N 47+50E	5	<2	1.79	<5	8	180	15	0.42	<1	17	73	25	3.68	0.14	<10	0.82	297	<1	0.02	29	1010	14	10	<20	20	0.21	<10	92	<10	11	74
89	L56N 47+75E	5	<2	2.38	<5	10	200	20	0.62	2	20	94	42	4.73	0.18	<10	1.19	311	<1	0.04	29	1870	16	30	<20	15	0.25	<10	115	<10	13	80
90	L56N 48+00E	10	0.2	1.76	<5	10	150	20	0.38	<1	14	76	30	3.82	0.08	<10	0.74	186	<1	0.02	31	1870	14	<5	<20	23	0.21	<10	100	<10	11	74
91	L56N 48+25E	5	<2	1.53	<5	10	130	20	0.44	<1	17	76	31	4.10	0.12	<10	0.89	438	<1	0.02	30	970	12	10	<20	22	0.25	<10	113	<10	13	65
92	L56N 48+50E	<5	<2	2.12	15	10	115	20	0.47	3	18	71	47	4.22	0.15	<10	0.89	253	<1	0.02	39	930	14	50	<20	<1	0.20	<10	107	<10	11	51
93	L56N 48+75E	<5	<2	1.16	<5	8	205	20	0.42	1	14	61	23	3.17	0.10	<10	0.63	404	<1	0.02	26	1020	12	15	<20	14	0.22	<10	87	<10	11	65
94	L56N 49+00E	25	<2	2.28	10	10	150	25	0.61	1	25	77	54	4.69	0.24	<10	1.14	621	<1	0.02	39	470	16	20	<20	24	0.23	<10	116	<10	13	70
95	L56N 49+25E	<5	<2	2.32	<5	10	130	15	0.51	1	24	82	52	3.92	0.19	<10	1.16	491	<1	0.03	37	550	16	15	<20	20	0.22	<10	107	<10	13	59
96	L56N 49+50E	5	0.2	2.82	<5	8	205	15	0.73	<1	23	95	59	3.78	0.26	<10	1.53	361	<1	0.03	44	560	20	10	20	35	0.24	<10	95	<10	13	71
97	L56N 49+75E	10	<2	2.92	10	10	155	25	0.59	<1	25	87	60	4.59	0.21	<10	1.55	363	<1	0.03	41	440	20	20	<20	24	0.28	<10	122	<10	16	64
98	L56N 50+25E	<5	<2	2.49	10	10	165	25	0.46	4	20	79	42	4.39	0.17	<10	1.11	242	<1	0.02	39	370	18	75	<20	<1	0.28	<10	123	<10	16	68
99	L56N 50+50E	<5	<2	2.10	5	10	125	20	0.80	1	19	61	48	4.17	0.18	<10	0.94	252	<1	0.03	27	500	16	15	<20	27	0.23	<10	109	<10	14	56
100	L56N 50+75E	10	<2	2.01	15	10	120	15	0.59	<1	20	65	55	3.94	0.14	<10	0.90	298	<1	0.02	32	430	16	5	<20	32	0.19	<10	104	20	13	50
101	L56N 51+00E	5	0.4	2.71	15	10	195	15	1.17	2	27	97	106	4.71	0.30	<10	1.22	987	<1	0.02	50	560	18	15	<20	50	0.19	<10	123	20	14	67
102	L56N 51+25E	<5	0.4	1.79	10	10	130	10	1.47	1	17	52	70	3.14	0.18	<10	0.71	526	<1	0.02	30	670	14	10	<20	58	0.12	<10	84	<10	11	43
103	L56N 51+50E	5	0.2	5.61	95	14	445	20	1.38	6	52	151	219	9.29	0.72	<10	1.84	1993	<1	0.02	128	830	30	75	<20	49	0.24	<10	208	<10	25	116
104	L56N 51+75E	<5	<2	3.86	65	10	250	20	1.09	3	36	103	92	6.76	0.29	<10	1.48	1456	<1	0.03	68	710	22	25	<20	65	0.20	<10	168	<10	16	99



Et#	Tag #	Au (ppb)	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
105	L56N 52+00E	5	0.2	2.66	5	10	185	15	0.88	<1	27	78	93	4.28	0.33	<10	1.30	701	<1	0.03	47	990	18	15	<20	44	0.21	<10	111	<10	16	67
106	L56N 52+25E	15	<2	3.72	25	10	260	10	0.86	2	34	112	187	6.03	0.57	<10	1.61	1044	<1	0.03	75	580	22	20	<20	47	0.25	<10	151	<10	22	79
107	L56N 52+50E	<5	<2	2.62	10	10	185	15	0.91	6	29	77	105	4.52	0.38	<10	1.57	554	<1	0.06	59	840	18	115	<20	<1	0.24	<10	113	<10	16	70
108	L56N 52+75E	5	<2	2.79	25	10	205	10	1.08	3	26	84	90	4.21	0.32	<10	1.32	738	<1	0.03	56	810	18	45	<20	42	0.19	<10	119	20	17	73
109	L56N 53+00E	<5	<2	2.20	15	10	140	20	0.62	2	23	89	68	4.04	0.32	<10	1.28	536	<1	0.02	52	620	16	35	<20	24	0.22	<10	107	<10	16	57
110	L56N 53+50E	5	<2	2.18	5	10	200	20	0.41	2	22	71	38	4.53	0.13	<10	0.89	344	<1	0.02	35	1870	16	15	<20	18	0.19	<10	97	<10	11	103
111	L56N 53+75E	<5	<2	1.52	5	10	160	20	0.46	2	15	55	22	3.74	0.12	<10	0.68	299	<1	0.02	26	2160	14	20	<20	12	0.18	<10	84	<10	9	89
112	L56N 54+00E	20	<2	1.64	10	10	200	20	0.61	1	18	60	40	3.71	0.18	<10	0.89	572	<1	0.02	28	1470	14	15	<20	22	0.18	<10	100	<10	11	57
113	L56N 54+25E	5	<2	1.72	5	10	120	20	0.60	2	17	48	45	3.69	0.16	<10	0.91	316	<1	0.04	25	990	14	25	<20	10	0.19	<10	99	<10	11	47
114	L56N 54+50E	<5	<2	1.59	5	10	105	15	0.39	<1	19	49	64	3.43	0.08	<10	0.52	255	<1	0.02	30	370	14	<5	<20	26	0.19	<10	85	<10	14	41
115	L56N 54+75E	<5	<2	2.47	15	10	150	20	0.80	<1	21	76	63	4.73	0.23	<10	0.98	286	<1	0.02	37	510	18	5	<20	44	0.22	<10	122	<10	13	53
116	L56N 55+00E	<5	<2	2.58	15	8	105	15	0.32	4	22	77	95	4.19	0.19	<10	0.57	478	<1	0.02	46	730	20	75	<20	<1	0.16	<10	106	<10	13	60
117	L56N 55+25E	10	<2	3.25	20	10	170	20	0.52	8	32	128	110	5.40	0.30	<10	1.46	668	<1	0.02	91	630	22	150	20	<1	0.25	<10	131	<10	17	90
118	L56N 55+50E	<5	<2	3.09	15	10	135	20	0.41	6	29	92	90	5.38	0.26	<10	1.14	605	<1	0.02	66	530	22	110	<20	<1	0.26	<10	141	10	17	83
119	L56N 55+75E	<5	<2	2.67	90	12	165	15	1.27	4	29	114	59	4.82	0.20	<10	1.35	1427	<1	0.03	70	1310	16	40	<20	57	0.10	<10	113	<10	12	85
120	L56N 56+00E	<5	<2	2.41	150	10	155	15	1.18	8	32	73	59	5.77	0.12	<10	0.78	1398	<1	0.02	51	1270	16	85	<20	38	0.07	<10	137	<10	9	77
121	L56N 56+25E	<5	<2	1.67	15	8	185	15	0.42	1	19	69	48	4.13	0.16	<10	0.80	439	<1	0.01	40	530	14	15	<20	27	0.21	<10	103	<10	10	65
122	L56N 56+50E	<5	<2	2.74	15	10	190	20	0.55	3	24	100	73	4.73	0.25	<10	1.43	511	<1	0.02	66	700	20	50	<20	27	0.24	<10	115	<10	15	92
123	L56N 56+75E	<5	0.4	3.18	20	10	170	15	0.38	2	26	98	84	4.92	0.25	<10	1.20	573	<1	0.01	65	1190	24	20	<20	24	0.21	<10	109	<10	13	88
124	L56N 57+00E	<5	<2	2.15	15	10	180	20	0.54	2	17	78	42	4.05	0.14	<10	1.04	376	<1	0.01	42	1060	18	20	<20	28	0.19	<10	94	<10	10	82
125	L56N 57+25E	10	0.2	1.54	5	8	110	15	0.32	<1	14	50	33	3.56	0.09	<10	0.66	424	<1	0.02	23	1130	14	10	<20	22	0.15	<10	86	<10	9	66
126	L56N 57+50E	<5	<2	2.13	5	8	115	20	0.29	2	20	61	49	4.05	0.08	<10	0.87	589	1	0.02	34	900	20	45	<20	8	0.15	<10	95	<10	9	82
127	L56N 57+75E	<5	0.6	1.87	5	8	125	10	0.35	<1	26	54	48	3.75	0.07	<10	0.71	625	1	0.02	24	830	18	10	<20	28	0.17	<10	89	<10	11	68
128	L56N 58+00E	<5	<2	2.57	5	10	90	15	0.36	5	19	168	37	4.16	0.06	<10	1.65	316	<1	0.02	68	570	18	105	100	<1	0.19	<10	77	<10	11	89
129	L57N 42+00E	<5	<2	1.88	25	10	100	15	0.30	5	22	72	79	3.88	0.17	<10	0.95	269	<1	0.02	63	600	14	95	<20	<1	0.23	<10	117	<10	12	60
130	L57N 42+25E	<5	<2	1.77	5	10	120	20	0.41	3	27	65	41	3.39	0.14	<10	0.81	494	<1	0.02	46	1710	14	50	<20	<1	0.20	<10	79	<10	10	107
131	L57N 42+50E	<5	0.4	1.27	5	8	215	10	0.28	<1	17	33	17	2.13	0.07	<10	0.47	731	<1	0.02	20	1470	14	10	<20	16	0.14	<10	49	<10	8	93
132	L57N 42+75E	<5	<2	0.12	5	8	15	<5	0.04	<1	2	4	2	0.55	<0.1	<10	0.01	44	<1	<0.1	3	80	2	<5	<20	<1	0.05	<10	18	<10	3	10
133	L57N 43+00E	<5	<2	2.18	5	10	185	15	0.42	1	22	57	49	3.46	0.14	<10	0.87	284	<1	0.02	40	1700	16	20	<20	17	0.19	<10	83	<10	10	125
134	L57N 43+25E	<5	<2	1.37	5	8	130	15	0.39	2	18	52	18	2.79	0.09	<10	0.60	347	<1	0.02	28	1020	12	25	<20	<1	0.18	<10	71	<10	10	65
135	L57N 43+50E	<5	<2	1.60	5	10	130	20	0.37	1	18	61	26	3.19	0.12	<10	0.73	227	<1	0.02	32	1440	12	30	<20	7	0.18	<10	85	20	10	55
136	L57N 43+75E	15	0.4	0.62	5	8	65	10	0.17	<1	9	23	7	1.47	0.04	<10	0.25	423	<1	0.01	11	440	10	<5	<20	9	0.14	<10	39	10	9	54
137	L57N 44+00E	10	<2	2.33	5	10	160	15	0.50	<1	21	71	37	3.43	0.11	<10	0.80	276	<1	0.02	38	1720	16	10	<20	30	0.18	<10	84	<10	11	94
138	L57N 44+25E	<5	<2	1.15	5	8	165	20	0.26	2	12	38	12	2.77	0.05	<10	0.36	175	<1	0.01	18	2810	14	30	<20	<1	0.18	<10	59	<10	10	72
139	L57N 44+50E	<5	<2	1.69	5	8	145	15	0.42	1	17	55	32	3.10	0.09	<10	0.78	251	<1	0.02	32	1280	12	15	<20	18	0.18	<10	84	<10	11	59
140	L57N 44+75E	<5	<2	1.91	5	8	120	15	0.25	1	17	72	35	3.55	0.06	<10	0.78	210	<1	0.02	36	1810	16	15	<20	11	0.20	<10	87	<10	11	68
141	L57N 45+00E	<5	<2	2.06	15	8	185	20	0.43	<1	20	77	32	3.81	0.08	<10	0.68	457	<1	0.02	34	2150	18	5	<20	29	0.25	<10	96	<10	13	89
142	L57N 45+25E	<5	<2	1.80	5	8	205	20	0.21	<1	16	61	29	3.25	0.05	<10	0.67	218	<1	0.02	30	600	16	5	<20	23	0.23	<10	84	<10	12	85

Et #.	Tag #	Au (ppb)	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
143	L57N 45+50E	<5	0.2	1.50	<5	8	145	15	0.41	<1	20	54	29	3.05	0.06	<10	0.54	323	<1	0.02	31	700	14	<5	<20	24	0.19	<10	75	<10	12	90
144	L57N 45+75E	<5	0.4	1.25	10	8	100	10	0.21	<1	13	31	61	2.28	0.14	<10	0.35	259	<1	0.02	105	330	12	10	<20	13	0.12	<10	60	<10	8	35
145	L57N 46+00E	25	<2	1.96	5	10	125	10	0.38	<1	20	70	51	3.66	0.24	<10	0.90	383	<1	0.02	37	1130	14	<5	<20	21	0.19	<10	98	<10	11	71
146	L57N 46+25E	15	<2	0.78	<5	8	115	15	0.29	<1	9	74	16	1.88	0.08	<10	0.49	109	<1	0.02	23	500	10	10	40	12	0.17	<10	52	<10	9	36
147	L57N 46+50E	<5	<2	2.41	10	10	180	15	0.50	3	29	106	101	4.15	0.37	<10	1.34	359	<1	0.02	85	520	16	50	20	8	0.21	<10	104	<10	13	65
148	L57N 46+75E	<5	<2	1.77	<5	8	130	15	0.31	1	20	77	50	3.24	0.10	<10	0.88	305	<1	0.02	76	510	16	25	<20	7	0.17	<10	70	<10	10	76
149	L57N 47+00E	20	0.2	2.52	15	10	230	10	0.84	3	41	118	137	4.53	0.24	<10	1.22	828	<1	0.02	131	780	18	30	20	31	0.17	<10	100	<10	14	93
150	L57N 47+25E	30	0.4	2.37	15	10	245	5	0.96	3	32	100	172	4.09	0.22	<10	1.11	677	1	0.02	153	710	18	35	<20	33	0.15	<10	97	10	13	85
151	L57N 47+50E	<5	<2	2.06	<5	8	195	10	1.01	4	28	96	111	4.01	0.16	<10	0.90	981	<1	0.02	119	560	18	45	<20	22	0.16	<10	85	<10	12	140
152	L57N 47+75E	<5	0.2	2.99	10	8	245	15	0.91	6	30	98	136	4.95	0.33	<10	1.10	1245	2	0.02	107	980	22	60	<20	20	0.20	<10	115	<10	16	123
153	L57N 48+00E	<5	0.6	2.42	20	10	225	10	1.31	2	23	87	115	4.14	0.28	<10	0.96	754	<1	0.02	62	860	16	10	<20	56	0.16	<10	100	<10	15	84
154	L57N 48+25E	<5	0.2	1.39	10	8	130	15	0.66	<1	18	73	42	3.03	0.30	<10	0.90	367	<1	0.02	38	860	10	5	<20	38	0.16	<10	82	<10	11	34
155	L57N 48+50E	<5	1.2	2.13	5	10	200	10	1.06	1	20	70	83	3.79	0.24	<10	0.76	485	<1	0.02	48	600	18	10	<20	48	0.16	<10	91	<10	13	59
156	L57N 48+75E	<5	1.4	1.13	10	12	205	<5	3.94	1	7	28	89	1.45	0.09	<10	0.29	465	1	0.01	32	1150	8	10	<20	135	0.03	<10	32	<10	11	22
157	L57N 49+00E	<5	1.2	1.73	10	10	200	<5	2.34	2	15	47	108	2.67	0.20	<10	0.57	763	2	0.02	46	810	12	15	<20	86	0.08	<10	69	<10	13	45
158	L57N 49+25E	<5	1	2.70	15	8	230	10	1.09	2	21	70	99	4.32	0.26	<10	0.77	988	2	0.02	55	750	22	20	<20	44	0.14	<10	107	<10	16	57
159	L57N 49+50E	<5	<2	2.64	10	8	130	15	0.35	2	20	76	71	4.54	0.16	<10	0.88	251	<1	0.02	43	430	20	35	<20	11	0.23	<10	112	<10	14	57
160	L57N 49+75E	<5	0.2	2.95	20	10	160	15	0.51	2	22	83	104	4.75	0.25	<10	0.92	534	<1	0.02	56	500	22	20	<20	25	0.20	<10	117	<10	14	60
161	L57N 50+25E	10	<2	3.97	10	10	240	25	0.97	4	37	105	102	6.38	0.83	<10	2.05	867	<1	0.02	67	740	20	75	<20	16	0.33	<10	164	<10	19	81
162	L57N 50+50E	<5	<2	3.74	<5	10	220	30	0.51	4	33	98	101	5.99	0.49	<10	2.23	467	<1	0.04	52	730	20	100	<20	<1	0.35	<10	166	<10	18	68
163	L57N 50+75E	<5	0.2	2.84	<5	8	105	20	0.55	<1	24	77	66	4.70	0.12	<10	1.05	336	<1	0.03	38	600	20	5	<20	24	0.23	<10	106	<10	14	75
164	L57N 51E	35	0.2	2.91	<5	10	150	20	0.47	1	24	67	48	4.88	0.13	<10	1.10	292	<1	0.03	33	800	20	5	<20	33	0.24	<10	120	<10	14	68
165	L57N 51+25E	<5	<2	2.16	<5	8	130	25	0.46	<1	21	75	35	4.80	0.14	<10	0.90	270	<1	0.03	28	450	16	5	<20	24	0.27	<10	124	<10	15	57
166	L57N 51+50E	<5	0.6	2.69	20	10	165	15	0.83	1	22	91	88	4.31	0.16	<10	0.84	276	<1	0.02	45	300	18	5	<20	42	0.21	<10	111	<10	18	56
167	L57N 51+75E	<5	0.4	3.07	40	10	260	20	1.48	2	31	74	89	5.78	0.44	<10	1.19	949	<1	0.03	46	680	18	10	<20	84	0.22	<10	137	<10	18	67
168	L57N 52E	<5	<2	2.27	<5	8	140	20	0.41	<1	20	60	45	4.09	0.11	<10	1.00	331	<1	0.03	27	280	16	10	<20	26	0.24	<10	111	<10	14	62
169	L57N 52+25E	<5	<2	1.95	10	8	105	15	0.30	1	14	46	32	2.92	0.08	<10	0.65	233	<1	0.02	22	1300	18	20	<20	10	0.15	<10	75	<10	9	58
170	L57N 52+50E	<5	<2	2.06	10	10	145	15	0.80	<1	24	73	56	3.94	0.41	<10	1.31	565	<1	0.03	42	1290	14	15	<20	38	0.22	<10	105	<10	15	60
171	L57N 52+75E	<5	<2	2.82	30	10	205	15	0.90	2	25	86	90	4.62	0.34	<10	1.19	621	1	0.02	54	860	18	30	<20	47	0.18	<10	128	<10	15	71
172	L57N 53E	<5	<2	2.60	20	10	210	15	0.88	3	27	84	88	4.52	0.44	<10	1.26	818	<1	0.02	55	800	18	40	<20	37	0.20	<10	117	<10	16	72
173	L57N 53+25E	<5	<2	2.20	25	10	180	15	0.98	3	23	75	71	4.19	0.34	<10	1.14	580	<1	0.03	47	950	14	45	<20	36	0.17	<10	111	<10	14	62
174	L57N 53+50E	<5	<2	2.21	45	10	140	20	0.80	4	18	81	67	4.91	0.20	<10	1.07	365	<1	0.02	50	500	16	60	<20	26	0.19	<10	136	<10	13	65
175	L57N 53+75E	10	0.4	2.03	40	10	140	10	1.17	1	20	65	61	3.85	0.22	<10	0.99	477	<1	0.03	37	840	14	10	<20	69	0.12	<10	100	<10	10	54
176	L57N 54E	5	0.2	2.44	35	10	200	15	1.16	1	25	79	71	4.43	0.35	<10	1.24	729	<1	0.03	45	1120	14	5	<20	67	0.17	<10	113	<10	14	75
177	L57N 54+25E	<5	<2	2.40	50	10	165	10	0.62	2	25	74	67	4.60	0.22	<10	1.10	703	<1	0.03	41	940	16	10	<20	43	0.14	<10	120	<10	13	78
178	L57N 54+50E	<5	0.4	1.77	10	8	125	10	0.31	<1	16	53	38	3.64	0.10	<10	0.66	323	<1	0.02	22	2170	16	5	<20	20	0.15	<10	89	<10	9	72
179	L57N 54+75E	<5	0.2	1.70	15	10	110	15	0.56	<1	17	75	39	3.66	0.12	<10	0.77	447	<1	0.02	30	1190	14	<5	<20	31	0.14	<10	85	<10	9	52
180	L57N 55E	<5	<2	2.19	15	10	185	25	0.38	1	24	81	56	5.01	0.17	<10	0.95	511	<1	0.03	42	450	18	10	<20	19	0.26	<10	123	<10	14	72

Et #	Tag #	Au (ppb)	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
181	L57N 55+25E	<5	<2	2.41	50	10	105	20	0.34	3	18	84	84	4.76	0.22	<10	0.95	282	<1	0.02	39	440	18	25	<20	15	0.21	<10	120	<10	16	52
182	L57N 55+50E	<5	0.6	2.20	10	8	125	10	0.39	2	17	75	107	3.83	0.19	<10	0.81	360	<1	0.02	45	800	18	20	<20	28	0.12	<10	90	<10	11	52
183	L57N 55+75E	<5	0.4	2.42	10	8	130	10	0.35	2	22	82	108	4.40	0.24	<10	0.98	528	<1	0.02	49	670	20	20	<20	26	0.17	<10	106	<10	14	58
184	L57N 56E	<5	0.4	2.38	10	8	120	10	0.32	2	17	73	102	3.93	0.15	<10	0.79	413	<1	0.02	45	850	20	20	<20	21	0.12	<10	97	<10	14	55
185	L57N 56+25E	5	0.6	2.25	10	8	115	10	0.38	2	16	75	84	3.73	0.14	<10	0.92	328	1	0.02	44	600	18	20	<20	23	0.15	<10	92	<10	10	60
186	L57N 56+50E	<5	<2	2.35	10	8	135	15	0.32	2	22	75	79	3.92	0.13	<10	0.91	568	<1	0.02	45	820	18	40	<20	8	0.15	<10	93	<10	10	78
187	L57N 56+75E	<5	0.4	2.43	15	8	185	15	0.44	<1	19	72	54	4.78	0.21	<10	1.06	443	<1	0.02	38	1780	18	5	<20	33	0.16	<10	110	<10	10	92
188	L57N 57+00E	10	<2	2.50	10	8	140	20	0.33	<1	21	84	41	4.75	0.10	<10	0.87	435	<1	0.02	33	1620	18	5	<20	28	0.17	<10	100	<10	11	90
189	L57N 57+25E	<5	0.4	1.14	<5	8	105	15	0.36	<1	11	42	16	2.81	0.09	<10	0.52	359	<1	0.01	17	1000	14	<5	<20	25	0.16	10	76	<10	9	54
190	L57N 57+50E	<5	0.6	2.37	10	8	105	15	0.30	<1	14	58	42	3.55	0.09	<10	0.75	243	<1	0.01	29	620	20	5	<20	24	0.16	<10	87	<10	11	63
191	L57N 57+75E	10	0.2	2.29	10	10	165	20	0.41	2	17	71	47	5.12	0.12	<10	0.94	339	<1	0.02	35	1230	18	15	<20	27	0.16	<10	111	<10	9	66
192	L57N 58+00E	10	<2	2.75	10	8	100	20	0.28	2	14	62	48	4.12	0.10	<10	0.67	218	<1	0.02	32	720	22	40	<20	5	0.16	<10	89	<10	11	69

**QC/DATA:**

**Repeat #:**


18	L55N 46+25E	<2	3.51	<5	8	135	20	0.27	<1	24	182	48	4.48	0.06	<10	1.07	161	<1	0.02	70	1950	22	<5	140	23	0.28	<10	109	<10	11	88
71	L56N 43+25E	<2	2.57	<5	10	150	15	0.46	<1	25	61	59	3.75	0.16	<10	0.91	377	<1	0.02	39	1270	18	10	<20	28	0.22	<10	90	<10	11	99
111	L56N 53+75E	<2	1.52	<5	10	160	20	0.46	1	15	55	22	3.74	0.12	<10	0.67	294	<1	0.02	24	2130	14	10	<20	24	0.18	<10	84	<10	10	88
128	L56N 58+00E	0.4	2.58	<5	8	95	20	0.37	<1	19	165	39	4.21	0.07	<10	1.61	328	<1	0.02	53	590	18	10	80	29	0.19	<10	79	<10	12	85
183	L57N 55+75E	0.8	2.47	10	8	135	15	0.35	<1	23	82	109	4.47	0.25	<10	1.01	545	<1	0.02	48	680	18	<5	<20	34	0.17	<10	108	<10	14	58
191	L57N 57+75E	<2	2.25	15	8	160	20	0.40	7	16	70	45	5.01	0.11	<10	0.91	329	<1	0.02	52	1200	18	135	<20	<1	0.13	<10	108	20	10	70

**Standard 1991:**

1.0	1.88	50	10	155	10	1.66	1	18	61	82	3.94	0.35	<10	0.91	634	<1	0.02	26	580	20	<5	<20	61	0.12	<10	73	<10	10	69
1.0	1.85	50	12	150	<5	1.80	2	18	57	81	3.83	0.33	<10	0.89	680	<1	0.02	26	590	22	<5	<20	50	0.12	<10	73	<10	11	70
1.0	1.84	65	12	150	<5	1.75	3	18	64	81	3.87	0.35	<10	0.88	689	<1	0.02	28	680	22	<5	<20	53	0.13	<10	74	<10	9	71
1.2	1.81	60	10	150	<5	1.86	2	18	59	82	3.86	0.36	<10	0.87	647	<1	0.02	27	680	20	<5	<20	55	0.12	<10	72	<10	11	70
1.2	1.76	65	10	150	<5	1.89	2	18	66	80	3.77	0.36	<10	0.97	681	<1	0.02	25	680	22	<5	<20	52	0.11	<10	76	<10	11	69

cc:fax Dave Ridley

XLS/Pioneer

  
**Eco-TECH LABORATORIES LTD.**  
 Frank J. Pezzotti, A.Sc.T.  
 B.C. Certified Assayer

29-Jun-94

ECO-TECH LABORATORIES LTD.  
10041 East Trans Canada Highway  
KAMLOOPS, B.C.  
V2C 2J3

Phone: 604-573-5700  
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PIONEER METALS CORPORATION ETK 94-334  
1770-401 W. Georgia Street  
VANCOUVER, B.C.  
V6B 5A1

ATTENTION: David Dunn

130 SOIL samples received June 13, 1994

Values in ppm unless otherwise reported

Et #.	Tag #	Au (ppb)	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn	
1	L58N 42+00E	<5	<2	2.03	10	56	155	5	0.48	<1	22	90	55	3.72	0.16	<10	1.01	310	<1	0.02	55	1160	8	5	<20	30	0.19	<10	97	<10	9	63	
2	L58N 42+25E	<5	<2	2.08	25	6	140	<5	0.46	<1	22	72	125	3.91	0.19	<10	0.85	301	<1	0.02	52	250	8	5	<20	28	0.20	<10	114	<10	16	46	
3	L58N 42+50E	<5	<2	1.94	20	8	150	5	0.51	<1	23	68	72	3.72	0.25	<10	0.98	319	<1	0.02	44	520	10	<5	<20	32	0.21	<10	111	<10	10	51	
4	L58N 42+75E	<5	<2	2.36	5	4	220	<5	0.45	<1	30	98	94	3.98	0.19	<10	1.18	553	<1	0.02	61	1070	6	<5	<20	31	0.22	<10	98	<10	10	96	
5	L58N 43+00E	<5	<2	2.67	5	6	195	10	0.30	<1	25	59	43	3.88	0.13	<10	0.69	582	<1	0.02	59	1740	12	<5	<20	19	0.21	<10	79	<10	9	162	
6	L58N 43+25E	<5	<2	4.74	15	6	270	15	0.73	<1	29	61	91	4.95	0.42	<10	1.42	986	<1	0.09	67	670	16	<5	<20	59	0.29	<10	126	<10	15	119	
7	L58N 43+50E	<5	<2	2.41	15	4	135	10	0.54	<1	23	81	63	3.98	0.20	<10	1.11	301	<1	0.03	51	1000	6	<5	<20	30	0.21	<10	108	<10	10	65	
8	L58N 43+75E	<5	<2	1.83	15	6	165	10	0.53	<1	21	77	45	3.25	0.21	<10	0.93	476	<1	0.03	41	1280	8	5	<20	31	0.17	<10	88	<10	9	85	
9	L58N 44+00E	<5	<2	2.20	<5	6	120	15	0.40	<1	20	62	37	3.54	0.13	<10	0.80	265	<1	0.02	37	1270	8	<5	<20	23	0.17	<10	96	<10	9	89	
10	L58N 44+25E	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11	L58N 44+50E	<5	<2	1.67	10	4	100	10	0.20	<1	15	58	34	3.23	0.09	<10	0.59	187	<1	0.02	42	520	8	<5	<20	17	0.18	<10	88	<10	8	68	
12	L58N 44+75E	<5	<2	2.10	15	4	125	5	0.25	<1	22	77	54	3.90	0.14	<10	0.82	380	<1	0.02	81	630	10	<5	<20	20	0.20	<10	102	<10	9	96	
13	L58N 45+00E	15	<2	2.57	15	4	170	5	0.30	<1	27	86	76	4.24	0.18	<10	0.97	638	<1	0.02	108	640	10	<5	<20	24	0.20	<10	104	<10	9	139	
14	L58N 45+25E	<5	<2	1.74	10	4	180	10	0.27	2	22	70	31	3.13	0.10	<10	0.68	429	<1	0.02	35	480	8	30	<20	2	0.19	<10	82	<10	9	111	
15	L58N 45+50E	<5	<2	1.44	10	4	220	5	0.46	<1	19	62	35	2.80	0.13	<10	0.64	578	<1	0.02	32	510	10	<5	<20	28	0.18	<10	75	<10	9	55	
16	L58N 45+75E	<5	<2	1.44	15	6	195	5	0.48	<1	17	61	84	3.00	0.12	<10	0.67	370	<1	0.02	62	400	8	<5	<20	30	0.16	<10	83	<10	12	52	
17	L58N 46+00E	10	<2	1.95	10	4	160	5	0.43	<1	23	77	57	3.70	0.20	<10	0.75	508	<1	0.02	46	510	8	<5	<20	29	0.18	<10	89	<10	8	102	
18	L58N 46+25E	<5	<2	2.98	30	6	325	<5	0.65	1	29	115	165	5.20	0.47	<10	1.33	482	<1	0.02	126	430	8	5	<20	54	0.19	<10	130	<10	12	57	
19	L58N 46+50E	<5	0.8	3.80	40	6	390	<5	0.83	3	42	119	299	5.67	0.40	<10	1.32	1469	<1	0.02	174	730	12	5	<20	59	0.19	<10	137	<10	16	92	
20	L58N 46+75E	<5	<2	1.97	10	4	180	10	0.40	<1	23	89	40	3.70	0.15	<10	0.90	408	<1	0.02	40	1820	8	<5	<20	28	0.16	<10	80	<10	7	108	
21	L58N 47+00E	<5	<2	2.17	10	6	180	10	0.45	<1	28	90	57	3.88	0.22	<10	1.06	824	<1	0.02	41	1040	10	<5	<20	38	0.16	<10	91	<10	9	85	
22	L58N 47+25E	<5	<2	2.17	20	4	170	<5	0.44	<1	23	84	69	3.72	0.16	<10	0.90	554	<1	0.02	43	430	10	<5	<20	36	0.16	<10	94	<10	11	55	
23	L58N 47+50E	5	<2	2.17	5	6	170	10	0.44	<1	22	72	33	4.25	0.16	<10	1.02	285	<1	0.02	30	2300	10	<5	<20	26	0.20	<10	110	<10	8	92	
24	L58N 47+75E	<5	<2	1.78	10	6	105	10	0.35	<1	15	54	27	3.22	0.11	<10	0.66	352	<1	0.02	20	1420	8	<5	<20	19	0.16	<10	81	<10	7	63	
25	L58N 48+00E	<5	<2	1.48	25	4	235	<5	0.72	<1	19	56	80	3.22	0.13	<10	0.58	524	<1	0.03	41	510	8	<5	<20	52	0.13	<10	85	<10	10	40	
26	L58N 48+25E	30	1.4	4.11	85	6	675	<5	1.01	3	24	102	218	4.68	0.33	10	0.96	902	<1	0.02	147	870	12	35	<20	50	0.11	<10	123	<10	22	58	
27	L58N 48+50E	<5	<2	2.90	20	6	160	5	0.48	<1	24	71	41	4.74	0.15	<10	0.99	263	<1	0.02	35	2070	6	<5	<20	28	0.21	<10	113	<10	9	111	
28	L58N 48+75E	<5	<2	2.28	10	6	115	10	0.28	<1	21	53	58	3.56	0.12	<10	0.67	313	<1	0.02	28	580	10	<5	<20	26	0.16	<10	91	<10	9	56	

Et #	Tag #	Au (ppb)	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
29	L58N 49+00E	<5	<2	1.86	10	4	130	10	0.47	<1	18	75	52	3.56	0.18	<10	0.93	240	<1	0.02	35	1220	6	<5	<20	26	0.16	<10	99	<10	8	47
30	L58N 49+25E	10	<2	2.11	15	4	140	10	0.50	<1	20	86	50	3.84	0.18	<10	0.98	263	<1	0.03	41	700	8	<5	<20	35	0.19	<10	95	20	10	67
31	L58N 49+50E	<5	<2	2.61	15	6	110	15	0.43	<1	21	76	53	4.47	0.21	<10	0.98	264	<1	0.03	32	190	10	<5	<20	32	0.23	<10	114	20	11	39
32	L58N 49+75E	10	<2	2.27	20	6	130	5	0.50	<1	20	75	62	3.47	0.28	<10	1.08	345	<1	0.03	41	830	8	<5	<20	34	0.18	<10	94	<10	10	41
33	L58N 50+25E	<5	<2	1.91	5	4	110	10	0.31	<1	17	62	36	3.63	0.07	<10	0.87	298	<1	0.03	23	840	10	<5	<20	15	0.20	<10	88	20	9	54
34	L58N 50+50E	<5	<2	2.34	<5	6	130	10	0.43	<1	24	64	42	4.06	0.09	<10	1.10	451	<1	0.04	22	1410	8	<5	<20	25	0.22	<10	89	<10	9	61
35	L58N 50+75E	<5	<2	3.15	15	6	130	<5	0.41	<1	30	88	77	4.52	0.16	<10	1.32	356	<1	0.03	50	1000	8	<5	<20	30	0.21	<10	112	<10	10	64
36	L58N 51E	<5	<2	2.80	10	6	135	<5	0.65	<1	28	85	91	4.37	0.19	<10	1.27	743	<1	0.03	49	590	8	5	<20	38	0.20	<10	108	<10	10	68
37	L58N 51+25E	30	<2	2.89	10	6	130	5	0.46	<1	27	90	77	4.51	0.22	<10	1.51	365	<1	0.03	48	820	8	<5	<20	31	0.25	<10	120	10	12	54
38	L58N 51+50E	10	<2	3.22	20	<2	165	<5	0.41	<1	30	105	103	4.81	0.18	<10	1.39	355	<1	0.03	50	730	6	<5	<20	51	0.22	40	113	<10	9	67
39	L58N 51+75E	5	<2	3.40	<5	6	140	10	0.42	<1	30	145	59	4.83	0.12	<10	1.49	293	<1	0.03	58	1890	10	10	40	24	0.22	<10	93	<10	8	87
40	L58N 52E	5	<2	3.21	<5	8	145	<5	0.64	<1	30	92	91	4.64	0.17	<10	1.77	443	<1	0.06	37	1590	10	<5	<20	28	0.27	<10	108	20	11	91
41	L58N 52+25E	<5	<2	3.57	15	8	200	5	0.45	<1	33	99	68	5.99	0.19	<10	1.43	334	<1	0.03	51	460	8	<5	<20	35	0.27	<10	139	<10	11	131
42	L58N 52+50E	<5	<2	1.44	<5	10	210	5	0.60	<1	14	51	32	2.83	0.10	<10	0.71	276	<1	0.03	21	530	6	<5	<20	44	0.17	<10	77	<10	7	60
43	L58N 52+75E	<5	<2	2.23	10	8	165	10	0.45	<1	21	95	54	4.23	0.09	<10	1.19	283	<1	0.03	43	1360	8	<5	<20	32	0.18	<10	100	<10	8	66
44	L58N 53E	5	<2	1.45	10	8	55	<5	0.41	<1	12	54	30	3.06	0.06	<10	0.48	188	<1	0.02	21	340	8	<5	<20	35	0.14	<10	77	<10	6	38
45	L58N 53+25E	<5	<2	1.41	10	8	155	5	0.35	<1	15	58	41	2.84	0.14	<10	0.68	402	<1	0.03	23	540	8	<5	<20	27	0.19	<10	83	<10	9	51
46	L58N 53+50E	5	<2	2.23	10	8	135	<5	0.52	<1	20	64	57	3.96	0.23	<10	1.05	437	<1	0.03	29	520	8	<5	<20	38	0.21	<10	104	<10	9	70
47	L58N 53+75E	5	<2	2.69	35	12	190	15	0.76	1	29	95	86	4.61	0.46	<10	1.47	686	2	0.03	58	1100	14	5	<20	44	0.20	<10	125	20	15	69
48	L58N 54E	10	<2	2.39	5	10	125	5	0.40	1	19	81	92	4.10	0.24	<10	0.91	505	<1	0.02	44	1130	12	10	<20	30	0.14	<10	100	<10	12	61
49	L58N 54+25E	5	<2	2.29	10	10	100	15	0.30	1	17	80	71	4.31	0.22	<10	0.87	379	2	0.03	37	1020	12	10	<20	14	0.17	<10	109	<10	12	66
50	L58N 54+50E	<5	<2	2.78	10	10	130	15	0.31	1	23	97	102	4.93	0.29	<10	1.04	572	1	0.03	47	870	12	5	<20	21	0.22	<10	123	<10	18	74
51	L58N 55E	10	<2	2.27	5	10	95	10	0.27	<1	17	94	75	4.17	0.21	<10	0.87	431	<1	0.02	41	1360	12	<5	<20	16	0.13	<10	103	<10	10	57
52	L58N 55+25E	<5	<2	1.84	10	8	105	5	0.33	<1	14	75	75	3.90	0.19	<10	0.67	270	2	0.02	35	920	10	<5	<20	26	0.14	<10	94	<10	14	44
53	L58N 55+50E	15	<2	0.97	<5	10	60	5	0.28	<1	7	53	68	2.53	0.08	<10	0.19	119	1	0.01	16	1080	8	<5	<20	26	0.09	<10	57	<10	6	22
54	L58N 55+75E	65	<2	2.18	15	8	160	15	0.35	<1	21	169	73	4.45	0.34	<10	1.24	419	4	0.03	48	400	12	10	40	22	0.20	<10	116	<10	12	42
55	L58N 56E	<5	<2	1.83	20	10	105	15	0.58	1	17	90	74	4.17	0.15	<10	0.73	262	2	0.02	39	490	10	5	<20	50	0.19	<10	109	<10	13	35
56	L58N 56+25E	5	<2	1.52	<5	8	170	10	0.63	<1	24	71	41	3.49	0.13	<10	0.71	776	<1	0.03	25	740	10	<5	<20	49	0.14	<10	81	<10	10	56
57	L58N 56+50E	<5	<2	1.60	10	8	135	5	0.60	<1	20	69	55	3.05	0.10	<10	0.69	1548	1	0.03	26	1340	26	10	<20	35	0.10	<10	74	<10	6	51
58	L58N 56+75E	<5	<2	2.71	15	10	185	15	0.53	<1	20	82	50	4.68	0.16	<10	1.15	413	<1	0.03	39	1750	16	10	<20	31	0.17	<10	117	<10	10	79
59	L58N 57E	<5	<2	1.47	<5	8	220	15	0.41	<1	13	56	19	3.28	0.08	<10	0.64	247	<1	0.02	23	840	14	<5	<20	27	0.18	<10	84	<10	11	68
60	L58N 57+25E	<5	<2	2.22	15	10	155	15	0.42	<1	13	51	35	3.89	0.08	<10	0.75	216	1	0.02	23	2590	12	<5	<20	28	0.13	<10	91	<10	7	53
61	L58N 57+50E	<5	<2	3.17	10	10	150	20	0.54	<1	26	94	66	4.82	0.17	<10	1.46	509	<1	0.03	50	840	14	10	<20	36	0.21	<10	120	<10	14	89
62	L58N 57+75E	5	<2	3.67	5	10	165	15	0.60	<1	26	95	85	5.18	0.26	<10	1.58	445	<1	0.04	53	650	14	10	<20	43	0.25	<10	128	<10	16	81
63	L58N 58E	<5	<2	2.42	<5	8	120	15	0.38	<1	22	59	56	4.20	0.10	<10	0.78	417	<1	0.02	29	520	14	<5	<20	37	0.22	<10	102	<10	15	61
64	L59N 42+00E	<5	<2	1.60	<5	10	265	15	0.34	<1	22	59	33	2.99	0.13	<10	0.73	505	<1	0.03	32	1450	10	5	<20	16	0.17	<10	72	<10	10	73
65	L59N 42+25E	<5	<2	0.76	<5	8	160	5	0.19	<1	11	11	20	1.26	0.03	<10	0.12	695	<1	0.02	6	1030	10	<5	<20	14	0.08	<10	31	<10	5	35
66	L59N 42+50E	<5	<2	3.66	<5	10	375	<5	0.69	<1	31	36	251	4.63	0.48	<10	1.15	1216	<1	0.04	33	1510	12	10	<20	59	0.25	<10	115	<10	15	90


Et #.	Tag #	Au (ppb)	Ag	Al %	As	B	Ba	Bl	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
67	L59N 42+75E	<5	<.2	1.24	<5	8	90	10	0.17	<1	10	14	21	1.85	0.07	<10	0.25	180	<1	0.02	7	1130	12	<5	<20	15	0.14	<10	43	<10	8	77
68	L59N 43+00E	10	<.2	2.23	<5	10	165	15	0.50	<1	23	62	43	3.73	0.16	<10	1.02	322	<1	0.03	33	1310	12	<5	<20	27	0.22	<10	103	<10	12	77
69	L59N 43+25E	<5	<.2	2.89	<5	10	280	20	0.36	<1	25	88	59	4.25	0.13	<10	1.10	689	<1	0.03	40	1470	14	10	<20	31	0.23	<10	104	<10	14	109
70	L59N 43+50E	5	<.2	3.59	15	10	310	10	0.34	1	26	45	95	4.87	0.17	<10	1.26	689	<1	0.05	60	1730	14	10	<20	52	0.23	<10	93	<10	15	162
71	L59N 43+75E	<5	<.2	3.58	30	12	235	15	0.26	2	24	112	64	6.97	0.10	<10	0.37	1724	23	0.02	31	3210	22	<5	<20	42	0.13	<10	233	20	8	208
72	L59N 44+00E	10	0.2	3.12	<5	<2	280	<5	0.44	9	23	99	46	4.50	0.29	<10	0.98	277	<1	0.03	73	650	<2	190	<20	<1	0.10	<10	104	<10	16	94
73	L59N 44+25E	<5	<.2	2.83	<5	8	150	10	0.26	<1	18	63	54	3.97	0.07	<10	0.75	213	<1	0.02	29	1380	14	<5	<20	27	0.20	<10	98	<10	11	88
74	L59N 44+50E	<5	<.2	2.77	10	8	90	15	0.23	<1	14	51	34	3.95	0.04	<10	0.59	180	1	0.02	21	930	16	<5	<20	17	0.20	<10	102	<10	11	80
75	L59N 44+75E	<5	<.2	2.15	30	8	140	15	0.22	2	14	38	21	4.20	0.05	<10	0.59	281	4	0.02	20	590	12	5	<20	22	0.21	<10	122	<10	13	186
76	L59N 45+00E	10	<.2	1.78	10	10	110	15	0.22	<1	13	68	23	3.11	0.04	<10	0.60	178	<1	0.02	28	910	16	<5	<20	14	0.20	<10	79	<10	12	68
77	L59N 45+25E	<5	<.2	2.60	25	12	215	20	0.31	<1	24	226	61	4.35	0.17	<10	1.54	284	1	0.03	77	1080	14	10	120	17	0.25	<10	109	<10	14	68
78	L59N 45+50E	<5	<.2	2.12	10	12	220	15	0.31	1	23	83	47	4.13	0.16	<10	0.93	430	<1	0.03	38	1080	12	10	<20	20	0.20	<10	106	<10	12	83
79	L59N 45+75E	10	<.2	2.52	25	10	235	10	1.01	1	24	80	107	4.06	0.32	<10	0.88	639	<1	0.03	60	400	12	10	<20	65	0.16	<10	111	<10	13	54
80	L59N 46+00E	<5	<.2	2.24	<5	10	165	15	0.43	<1	22	85	45	4.03	0.11	<10	1.00	357	<1	0.03	38	620	10	5	<20	28	0.19	<10	100	<10	11	92
81	L59N 46+25E	<5	<.2	2.20	10	12	210	15	0.54	<1	22	69	65	3.86	0.14	<10	1.02	300	<1	0.03	32	2100	10	10	<20	36	0.18	<10	95	<10	10	80
82	L59N 46+50E	<5	<.2	4.75	<5	12	240	15	0.44	<1	36	133	128	5.46	0.19	<10	1.87	412	<1	0.03	63	1660	18	15	<20	49	0.25	<10	123	<10	13	91
83	L59N 46+75E	5	<.2	3.92	20	12	225	20	0.35	<1	31	71	109	5.80	0.19	<10	1.20	480	<1	0.03	37	1430	16	5	<20	62	0.27	<10	151	<10	14	76
84	L59N 47+00E	5	<.2	2.18	10	10	135	15	0.35	<1	20	78	45	4.08	0.09	<10	0.90	285	<1	0.03	32	770	12	5	<20	26	0.19	<10	102	<10	10	81
85	L59N 47+25E	5	<.2	3.55	<5	10	170	15	0.38	<1	25	83	73	4.91	0.11	<10	1.24	318	<1	0.03	39	1070	14	10	<20	30	0.21	<10	116	<10	11	75
86	L59N 47+50E	<5	<.2	3.81	140	10	200	20	0.51	3	32	293	71	6.86	0.07	<10	2.12	291	<1	0.05	93	2340	20	20	100	39	0.15	<10	109	<10	6	88
87	L59N 47+75E	5	<.2	3.46	<5	8	185	15	0.79	<1	29	221	38	4.80	0.05	<10	1.70	491	<1	0.07	63	3010	10	10	80	31	0.12	<10	81	<10	6	91
88	L59N 48+00E	<5	<.2	1.81	<5	8	100	10	0.34	<1	14	45	22	3.42	0.06	<10	0.55	238	<1	0.03	15	1340	10	5	<20	15	0.18	<10	88	<10	10	44
89	L59N 48+25E	5	<.2	0.99	<5	8	80	10	0.32	<1	10	40	19	2.36	0.06	<10	0.41	248	<1	0.02	15	1020	10	<5	<20	15	0.13	<10	65	<10	7	31
90	L59N 48+50E	<5	<.2	2.51	15	10	160	10	0.39	<1	20	75	33	4.03	0.06	<10	0.75	254	<1	0.02	35	2010	12	<5	<20	20	0.15	<10	91	<10	8	82
91	L59N 48+75E	<5	<.2	1.09	15	10	95	15	0.74	<1	12	40	24	3.12	0.05	<10	0.38	194	<1	0.02	16	650	10	<5	<20	38	0.15	<10	88	<10	8	30
92	L59N 49+00E	<5	<.2	2.49	10	10	150	10	0.45	<1	18	67	48	4.31	0.10	<10	0.77	234	<1	0.02	33	1060	10	<5	<20	22	0.16	<10	106	<10	9	60
93	L59N 49+25E	10	<.2	3.38	10	10	180	10	0.53	<1	30	238	66	5.09	0.18	<10	2.12	370	<1	0.03	118	1360	10	10	100	25	0.19	<10	104	<10	10	72
94	L59N 49+50E	<5	<.2	2.58	15	10	140	15	0.38	<1	22	76	50	4.01	0.10	<10	0.88	217	<1	0.02	42	790	12	<5	<20	19	0.17	<10	96	<10	10	46
95	L59N 49+75E	5	<.2	3.08	<5	10	295	15	0.67	1	35	210	132	6.55	0.73	<10	2.34	456	<1	0.02	54	1230	8	15	20	25	0.29	<10	231	<10	17	84
96	L59N 50+25E	5	0.4	3.31	45	10	300	<5	1.46	2	33	157	300	5.21	0.45	<10	1.40	980	2	0.04	122	500	12	30	<20	63	0.16	<10	135	<10	20	66
97	L59N 50+50E	5	<.2	5.13	50	12	520	10	0.93	2	43	179	206	6.66	0.58	<10	1.92	1215	<1	0.03	155	420	20	15	<20	67	0.21	<10	146	<10	23	90
98	L59N 50+75E	<5	<.2	2.83	15	8	145	15	0.52	1	22	94	73	4.90	0.18	<10	1.06	371	<1	0.02	48	480	14	<5	<20	38	0.21	<10	117	<10	14	59
99	L59N 51E	5	<.2	2.88	<5	10	165	20	0.41	<1	25	113	56	4.58	0.13	<10	1.12	375	<1	0.03	50	580	14	5	<20	24	0.22	<10	103	<10	13	63
100	L59N 51+25E	<5	<.2	2.50	5	10	110	15	0.40	<1	20	79	37	4.33	0.07	<10	0.88	284	1	0.03	38	420	12	<5	<20	24	0.21	<10	105	<10	12	62
101	L59N 51+50E	<5	<.2	2.32	<5	10	145	15	0.34	<1	21	80	46	4.56	0.10	<10	1.07	581	1	0.02	39	1190	10	5	<20	22	0.18	<10	108	<10	10	65
102	L59N 51+75E	<5	<.2	2.54	<5	10	175	10	0.42	<1	22	96	50	4.28	0.09	<10	1.19	291	<1	0.03	46	990	12	10	<20	24	0.17	<10	103	<10	10	74
103	L59N 52E	<5	<.2	2.60	5	8	150	10	0.24	<1	23	82	56	5.23	0.09	<10	1.12	433	<1	0.02	42	910	14	<5	<20	15	0.19	<10	128	<10	10	78
104	L59N 52+25E	<5	<.2	1.54	<5	10	105	15	0.47	<1	15	82	25	3.96	0.10	<10	0.91	335	<1	0.02	25	1070	10	<5	<20	27	0.18	<10	97	<10	10	66

Et #.	Tag #	Au (ppb)	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
105	L59N 52+50E	5	<.2	2.64	<5	10	135	10	0.68	<1	24	192	69	4.13	0.08	<10	1.84	265	<1	0.05	70	1010	10	10	80	36	0.15	<10	75	<10	8	51
106	L59N 52+75E	<5	<.2	2.83	<5	10	155	15	0.52	<1	26	139	64	4.59	0.08	<10	1.43	262	<1	0.04	59	210	10	10	<20	45	0.21	<10	103	<10	12	51
107	L59N 53E	<5	<.2	3.64	55	10	350	<5	1.22	1	38	265	291	4.98	0.21	<10	2.63	315	<1	0.08	132	220	10	20	120	51	0.17	<10	102	<10	15	38
108	L59N 54E	20	<.2	2.89	5	10	105	<5	0.32	<1	13	72	130	2.95	0.14	<10	0.78	206	<1	0.02	39	710	14	5	<20	25	0.07	<10	77	<10	13	56
109	L59N 54+25E	5	<.2	4.08	25	10	205	5	0.46	<1	40	129	162	6.35	0.47	<10	1.60	1233	<1	0.04	59	650	14	<5	<20	35	0.23	<10	161	<10	19	92
110	L59N 54+50E	<5	<.2	3.64	<5	12	140	15	0.47	<1	24	91	92	5.13	0.46	<10	1.72	491	<1	0.05	34	800	10	15	<20	32	0.23	<10	136	<10	17	56
111	L59N 54+75E	5	<.2	3.82	30	12	185	5	0.47	1	38	119	117	6.14	0.36	<10	1.55	1029	<1	0.03	64	790	14	10	<20	35	0.22	<10	153	<10	16	88
112	L59N 55E	5	<.2	1.74	10	8	75	<5	0.27	<1	12	74	80	3.23	0.13	<10	0.55	269	<1	0.02	28	970	12	<5	<20	18	0.07	<10	75	<10	8	38
113	L59N 55+25E	<5	<.2	2.58	<5	10	105	<5	0.33	1	21	119	137	4.37	0.15	<10	0.91	513	2	0.03	45	820	14	<5	<20	23	0.11	<10	99	<10	8	53
114	L59N 55+50E	<5	<.2	3.93	20	12	180	15	0.46	1	30	166	113	6.07	0.32	<10	1.74	587	1	0.03	76	870	16	10	<20	42	0.20	<10	146	<10	12	84
115	L59N 55+75E	<5	<.2	2.90	<5	8	145	15	0.42	<1	26	115	106	5.79	0.28	<10	1.10	693	<1	0.02	48	1220	14	<5	<20	37	0.16	<10	134	<10	9	76
116	L59N 56E	<5	<.2	3.00	10	10	130	15	0.41	<1	21	105	85	5.42	0.25	<10	1.11	514	2	0.03	40	1820	14	10	<20	24	0.13	<10	130	<10	9	67
117	L59N 56+25E	5	<.2	3.54	25	12	185	20	0.58	1	38	131	98	6.72	0.38	<10	1.62	850	<1	0.03	66	530	16	5	<20	43	0.27	<10	173	<10	16	128
118	L59N 56+50E	5	<.2	1.87	15	8	100	15	0.25	<1	14	78	52	4.84	0.16	<10	0.65	219	<1	0.02	27	700	12	<5	<20	18	0.17	<10	126	<10	9	43
119	L59N 56+75E	<5	<.2	2.61	5	10	170	15	0.52	<1	24	93	46	4.47	0.16	<10	0.98	555	<1	0.03	37	1330	12	<5	<20	34	0.17	<10	106	<10	11	92
120	L59N 57E	<5	<.2	2.16	10	10	135	10	0.48	<1	19	80	47	3.93	0.10	<10	0.80	579	<1	0.02	30	940	12	<5	<20	48	0.12	<10	84	<10	9	70
121	L59N 57+25E	<5	<.2	2.25	<5	10	185	10	0.47	<1	26	91	51	4.04	0.13	<10	1.06	1255	<1	0.02	37	1120	12	5	<20	38	0.11	<10	91	<10	7	80
122	L59N 57+50E	<5	<.2	1.48	<5	8	85	10	0.30	<1	13	41	31	2.90	0.06	<10	0.66	644	1	0.01	18	540	10	<5	<20	27	0.09	<10	73	<10	7	63
123	L59N 57+75E	10	<.2	2.38	5	10	100	10	0.34	<1	16	62	72	4.00	0.09	<10	0.98	376	1	0.02	31	700	14	<5	<20	29	0.15	<10	95	<10	11	74
124	L59N 58E	<5	<.2	1.99	<5	8	70	10	0.27	<1	13	48	57	3.10	0.06	<10	0.79	359	<1	0.01	23	510	12	<5	<20	24	0.11	<10	74	<10	8	55
125	L59N 58+25E	<5	<.2	3.45	5	10	130	5	0.39	<1	25	98	81	4.77	0.14	<10	1.41	643	1	0.02	46	640	14	<5	<20	38	0.14	<10	113	<10	10	86
126	L59N 58+50E	<5	<.2	1.95	10	8	140	10	0.37	<1	15	60	37	3.71	0.09	<10	0.89	345	<1	0.02	27	810	14	<5	<20	27	0.16	<10	101	<10	9	64
127	L59N 58+75E	<5	<.2	2.48	<5	8	120	10	0.33	<1	17	64	50	4.17	0.09	<10	1.02	407	1	0.02	31	680	16	10	<20	25	0.16	<10	108	<10	10	78
128	L59N 59E	<5	<.2	3.07	<5	8	115	15	0.41	<1	22	91	62	5.32	0.11	<10	1.25	392	<1	0.02	36	790	12	<5	<20	36	0.19	<10	115	<10	12	110
129	L59N 59+25E	<5	<.2	2.42	<5	10	115	10	0.44	<1	27	74	54	4.37	0.09	<10	1.06	909	1	0.02	33	590	14	5	<20	40	0.16	<10	102	<10	10	81
130	L59N 59+50E	<5	<.2	2.79	<5	8	145	15	0.43	1	23	72	53	4.69	0.12	<10	1.12	503	<1	0.01	36	710	14	10	<20	38	0.17	<10	114	<10	13	102
131	L59N 59+75E	<5	<.2	2.69	5	8	115	10	0.42	<1	27	75	67	4.09	0.09	<10	0.96	674	<1	0.02	40	560	16	5	<20	44	0.13	<10	98	<10	12	77

QC DATA:	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn	
<b>Repeat #:</b>																															
1	L58N 42+00E	<2	2.14	10	50	160	10	0.49	<1	23	94	58	3.86	0.17	<10	1.06	319	<1	0.02	57	1200	8	<5	<20	32	0.20	<10	101	<10	8	63
40	L58N 52E	<2	3.16	<5	10	150	<5	0.62	<1	29	89	87	4.54	0.16	<10	1.72	432	<1	0.05	36	1520	12	10	<20	21	0.26	<10	104	10	15	89
82	L59N 46+50E	<2	4.76	<5	12	240	15	0.45	<1	36	135	128	5.49	0.19	<10	1.87	412	<1	0.03	64	1660	16	10	<20	50	0.25	<10	124	<10	14	90
<b>Standard 1991:</b>																															
		1.0	1.99	65	6	165	<5	1.80	<1	20	63	85	4.05	0.39	<10	0.95	669	<1	0.02	27	680	16	<5	<20	68	0.12	<10	78	<10	10	73
		0.8	1.98	65	8	165	10	1.85	2	19	63	87	3.98	0.36	<10	0.94	662	<1	0.02	26	660	22	<5	<20	63	0.12	<10	77	<10	12	73
		0.8	1.90	65	10	170	10	1.80	2	19	65	85	4.03	0.35	<10	0.95	664	<1	0.02	27	690	18	<5	<20	65	0.12	<10	80	<10	11	70
		1.0	2.05	65	12	170	10	1.90	1	19	64	87	4.03	0.34	<10	0.93	668	<1	0.02	26	680	18	<5	<20	64	0.12	<10	80	<10	11	69

\* No sample

Pioneer/XLS

  
**ECO-TECH LABORATORIES LTD.**  
 Frank J. Pezzotti, A.Sc.T.  
 B.C. Certified Assayer



1-Jul-94

ECO-TECH LABORATORIES LTD.  
10041 East Trans Canada Highway  
KAMLOOPS, B.C.  
V2C 2J3

Phone: 604-573-5700  
Fax : 604-573-4557

PIONEER METALS CORPORATION ETK 94-351  
1770-401 W. Georgia Street  
VANCOUVER, B.C.  
V6B 5A1

ATTENTION: David Dunn

1 SOIL sample received June 21, 1994  
Date Sample Run: June 29, 1994  
Shipment #: 06  
Project #: Canim Lake

Values in ppm unless otherwise reported

El #.	Tag #	Au (ppb)	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	MCNE 94:DS1	<5	<.2	1.50	30	10	80	<5	0.73	1	22	46	62	3.03	0.09	<10	0.87	622	<1	0.02	33	.740	22	10	<20	29	0.10	<10	66	<10	8	90

QC DATA

Repeat #:

1	MCNE 94:DS1	<5	<.2	1.51	25	10	80	5	0.73	1	22	46	63	3.03	0.10	<10	0.87	639	<1	0.02	33	730	22	10	<20	32	0.10	<10	65	<10	8	90
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Pioneer/XLS



ECO-TECH LABORATORIES LTD.  
Frank J. Pezzotti, A.Sc.T.  
B.C. Certified Assayer

30-Jun-94

ECO-TECH LABORATORIES LTD.  
10041 East Trans Canada Highway  
KAMLOOPS, B.C.  
V2C 2J3

Phone: 604-573-5700  
Fax : 604-573-4557

PIONEER METALS CORPORATION ETK 94-349  
1770-401 W. Georgia Street  
VANCOUVER, B.C.  
V6B 5A1

ATTENTION: David Dunn

17 SOIL samples received June 21, 1994  
Shipment #: 05  
Project #: Canim Lake (HEN)

Values in ppm unless otherwise reported

Et#	Tag #	Au (ppb)	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	H: 0+00	<5	<2	2.16	35	10	180	10	0.87	1	23	72	63	3.59	0.20	<10	0.99	758	<1	0.04	44	920	32	5	<20	56	0.14	<10	79	<10	10	62
2	H: 1+00	<5	<2	2.42	45	10	210	<5	1.04	1	24	75	72	3.69	0.20	<10	1.05	1109	<1	0.04	46	990	30	5	<20	66	0.13	<10	77	<10	11	69
3	H: 2+00	<5	<2	2.22	45	10	185	<5	0.95	1	23	72	68	3.62	0.19	<10	1.01	840	<1	0.04	45	930	28	<5	<20	60	0.13	<10	78	<10	10	64
4	H: 3+00	<5	<2	2.39	40	10	205	<5	1.00	1	24	71	71	3.63	0.20	<10	1.00	1188	<1	0.04	45	940	30	<5	<20	62	0.12	<10	73	<10	10	71
5	H: 4+00	<5	<2	2.30	40	10	200	10	0.91	2	23	67	66	3.50	0.19	<10	0.96	967	<1	0.03	43	920	30	10	<20	58	0.12	<10	71	<10	10	69
6	H: 5+00	<5	<2	2.41	50	10	230	10	0.92	1	25	72	80	3.95	0.22	<10	1.03	886	<1	0.04	48	970	30	5	<20	62	0.13	<10	81	<10	10	70
7	H: 6+00	<5	<2	2.43	55	10	195	10	1.01	1	23	57	66	3.63	0.17	<10	0.82	1545	<1	0.03	36	960	30	<5	<20	62	0.10	<10	71	<10	9	76
8	H: 7+00	<5	<2	2.24	50	12	175	5	0.94	1	20	49	40	3.04	0.13	<10	0.71	2103	<1	0.03	31	1000	30	<5	<20	53	0.09	<10	61	<10	9	78
9	H: 8+00	<5	<2	2.54	65	10	200	10	1.08	2	23	52	47	3.39	0.13	<10	0.75	2536	<1	0.03	32	1000	32	<5	<20	64	0.08	<10	67	<10	10	89
10	H: 9+00	<5	<2	2.58	50	8	175	5	0.99	1	17	52	43	2.90	0.10	<10	0.76	919	<1	0.03	32	960	34	<5	<20	56	0.08	<10	62	<10	9	76
11	H: 10+00	<5	<2	2.62	75	10	200	10	1.14	2	28	75	54	3.93	0.16	<10	0.93	2152	<1	0.04	43	1060	34	<5	<20	58	0.11	<10	76	<10	10	77
12	HEN94: DS6A	<5	<2	3.19	65	14	230	<5	1.79	2	24	99	335	3.61	0.27	<10	1.19	575	<1	0.03	143	560	38	5	40	62	0.17	<10	74	<10	19	63
13	HEN94: DS7	<5	<2	1.76	105	12	115	<5	1.59	3	18	92	367	2.37	0.14	<10	1.05	545	<1	0.03	117	470	22	10	40	54	0.09	<10	56	<10	14	54
14	HEN94: CS1	<5	0.4	2.66	205	12	210	<5	1.81	4	30	116	407	3.95	0.28	<10	1.06	593	<1	0.03	117	480	32	5	40	60	0.14	<10	82	<10	23	54
15	HEN94: CS2	<5	<2	3.45	370	10	225	<5	1.01	7	31	87	241	4.79	0.28	<10	1.05	661	<1	0.03	97	270	44	5	<20	45	0.21	<10	100	<10	18	85
16	HEN94: C1	5	<2	5.85	65	12	220	30	0.50	2	37	39	61	6.82	0.31	<10	1.25	528	<1	0.04	35	1670	68	<5	<20	32	0.36	<10	159	<10	17	473
17	HEN94: C2	5	<2	1.11	5	8	70	5	0.47	<1	15	44	17	1.74	0.06	<10	0.67	269	<1	0.03	27	470	20	5	<20	14	0.11	<10	39	<10	5	54

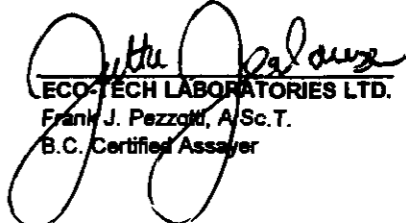
**QC DATA**

Repeat #:

6	H: 5+00		<2	2.37	40	10	220	10	0.90	1	25	71	79	3.87	0.21	<10	1.02	865	<1	0.04	46	970	30	<5	<20	62	0.13	<10	79	<10	10	70
	Standard 1991:		1.0	2.06	75	12	180	<5	1.85	2	21	64	89	4.28	0.42	<10	0.98	711	<1	0.02	26	660	26	<5	<20	67	0.12	<10	79	<10	11	79

cc: David Ridley

XLS/Pioneer

  
ECO-TECH LABORATORIES LTD.  
Frank J. Pezzotti, A.Sc.T.  
B.C. Certified Assayer



ASSAYING  
GEOCHEMISTRY  
ANALYTICAL CHEMISTRY  
ENVIRONMENTAL TESTING

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

**CERTIFICATE OF ASSAY ETK 94-346**


PIONEER METALS CORP.  
1771-401 W. GEORGIA ST.  
VANCOUVER, B.C  
V6B 5A1

5-Jul-94

ATTENTION: DAVID DUNN

11 ROCK samples received June 21, 1994  
Project: KM 455

<b>ET #.</b>	<b>Description</b>	<b>Au ppb</b>
1	HEN94:DR6	5
2	HEN94:DR7	5
3	HEN94:DR8	5
4	HEN94:DR9	5
5	HEN94:DR10	5
6	HEN94:DR11	5
7	HEN94:DR12	5
8	HEN94:DR13	5
9	HEN94:DR14	5
10	HEN94:DR15	5
11	HEN94:DR16	5

  
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ECO-TECH LABORATORIES LTD.  
Frank J. Pezzotti, A.Sc.T.  
B.C. Certified Assayer

28-Jun-94

ECO-TECH LABORATORIES LTD.  
10041 East Trans Canada Highway  
KAMLOOPS, B.C.  
V2C 2J3

Phone: 604-573-5700  
Fax : 604-573-4557

PIONEER METALS CORPORATION ETK 94-348  
1770-401 W. Georgia Street  
VANCOUVER, B.C.  
V6B 5A1

ATTENTION: David Dunn

11 ROCK samples received June 21, 1994

Values in ppm unless otherwise reported


Et #.	Tag #	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
1	HEN 94:DR6	<.2	2.49	50	14	250	<5	5.28	<1	23	153	232	2.45	0.42	<10	0.90	409	7	0.11	57	1200	62	15	120	139	0.16	<10	70	<10	11	29
2	HEN 94:DR7	<.2	2.30	<5	12	195	10	3.76	1	43	137	189	4.00	0.48	<10	0.91	377	3	0.12	112	1150	36	25	<20	153	0.15	<10	77	<10	10	37
3	HEN 94:DR8	<.2	1.86	250	12	460	<5	4.04	5	29	119	120	2.34	0.40	<10	1.28	353	1	0.11	60	1090	26	20	40	102	0.12	<10	59	<10	9	25
4	HEN 94:DR9	<.2	2.57	30	14	95	<5	3.48	1	21	70	129	1.82	0.23	<10	0.78	300	3	0.13	15	1410	36	10	<20	108	0.08	<10	64	<10	7	25
5	HEN 94:DR10	<.2	1.73	<5	12	120	<5	2.72	1	25	98	519	7.65	0.36	<10	0.89	427	8	0.11	30	1170	26	15	<20	78	0.21	<10	101	<10	17	38
6	HEN 94:DR11	1.2	0.88	<5	18	110	<5	1.34	2	91	22	1109	> 15	0.08	<10	0.44	416	<1	0.06	35	730	8	<5	<20	29	0.06	<10	11	<10	1	46
7	HEN 94:DR12	<.2	0.59	<5	18	45	5	5.14	<1	12	71	53	1.59	0.04	<10	0.34	297	4	0.05	22	840	6	10	<20	83	0.10	<10	28	<10	11	29
8	HEN 94:DR13	<.2	0.77	25	8	90	<5	0.47	1	14	134	71	1.85	0.13	<10	0.27	602	9	<.01	21	960	18	<5	100	22	<.01	<10	47	<10	2	33
9	HEN 94:DR14	0.6	2.22	<5	14	105	<5	1.17	2	107	27	1271	> 15	0.13	<10	0.44	461	1	0.13	15	1290	28	<5	<20	89	0.09	<10	60	<10	1	23
10	HEN 94:CR1	<.2	5.10	135	12	665	30	2.23	6	41	85	144	7.91	1.98	<10	1.99	1010	2	0.22	25	1940	66	25	<20	81	0.41	<10	234	<10	27	604
11	HEN 94:CR2	<.2	1.77	10	10	285	<5	3.22	1	27	99	177	2.60	0.52	<10	0.97	238	3	0.09	55	890	22	15	<20	125	0.16	<10	56	<10	10	27

**QC DATA:**

<b>Repeat #:</b>																																
7	HEN 94:DR12	<.2	0.62	10	20	40	<5	5.40	<1	13	76	49	1.54	0.04	<10	0.35	310	6	0.05	24	910	12	10	<20	86	0.10	<10	29	<10	11	31	
<b>Standard 1991:</b>		0.8	1.82	80	10	175	5	1.81	3	21	63	90	4.03	0.33	<10	0.91	687	<1	0.01	29	700	30	<5	<20	56	0.09	<10	70	<10	10	83	

cc: David Ridley

XLS/Pioneer

  
ECO-TECH LABORATORIES LTD.  
Frank J. Pezzotti, A.Sc.T.  
B.C. Certified Assayer

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
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**QC DATA:**

**Repeat:**

1	DS1	0.4	0.76	10	60	5	1.18	<1	11	46	38	1.67	<10	0.60	203	<1	<0.01	16	600	<2	<5	<20	33	0.07	<10	36	<10	<1	17
39	L10N 46E	0.2	0.87	5	90	10	0.22	<1	7	15	11	1.49	<10	0.32	179	<1	<0.01	7	510	<2	<5	<20	18	0.09	<10	30	<10	<1	44
77	L11N 53E	<2	0.91	<5	105	5	0.21	<1	10	29	14	1.65	<10	0.40	299	<1	<0.01	12	560	<2	<5	<20	20	0.11	<10	30	<10	<1	33
115	L13N 45E	<2	0.77	<5	70	5	0.18	<1	9	8	11	1.45	<10	0.32	330	<1	<0.01	6	420	<2	<5	<20	12	0.09	<10	39	<10	<1	57
191	L16N 48+50E	<2	1.95	25	80	5	0.46	<1	20	53	23	3.55	<10	0.76	440	3	0.02	15	1080	8	<5	<20	32	0.17	<10	102	<10	<1	57
229	L18N: 45+50E	<2	1.72	20	205	5	0.41	<1	21	24	18	3.18	<10	0.66	409	2	0.01	8	3460	12	<5	<20	30	0.16	<10	98	<10	<1	67
267	L19N: 58E	<2	1.42	20	70	5	0.41	<1	21	92	24	3.08	<10	0.84	237	3	0.02	24	590	8	<5	<20	25	0.18	<10	71	<10	<1	37
305	L21N: 55+50E	<2	1.30	20	75	5	0.33	<1	16	62	30	2.23	<10	0.45	221	2	0.01	13	1030	10	5	<20	19	0.15	<10	63	<10	<1	38
344	L23N: 52+50E	0.2	0.41	5	30	5	0.89	<1	4	5	10	0.26	<10	0.13	31	3	<0.01	3	320	12	5	<20	36	0.06	<10	20	<10	2	7
381	L25N: 47E	<2	1.64	10	105	5	0.40	<1	17	43	33	2.58	<10	0.69	327	1	<0.01	16	1560	<2	<5	<20	20	0.14	<10	66	<10	<1	62

**Standard 1991:**

1.2	1.72	60	160	5	1.89	<1	20	67	83	3.98	<10	1.01	706	<1	0.01	20	650	18	<5	<20	59	0.08	<10	78	<10	<1	70
1.2	1.80	70	160	5	1.87	<1	19	64	87	3.70	<10	1.01	653	1	0.01	20	670	18	<5	<20	57	0.08	10	74	<10	<1	73
1.0	1.81	70	155	5	1.90	<1	20	66	82	3.79	<10	1.03	700	<1	<0.01	21	620	18	<5	<20	61	0.07	<10	79	<10	<1	72
1.0	1.82	65	165	5	1.94	<1	21	69	85	3.84	<10	0.99	705	<1	<0.01	19	670	20	<5	<20	54	0.07	<10	78	<10	<1	76
1.8	2.20	80	165	5	2.32	1	28	70	81	4.27	<10	1.07	710	2	0.02	21	700	18	<5	<20	60	0.15	<10	74	<10	<1	68
1.0	2.26	80	160	5	2.31	1	27	71	80	4.27	<10	1.07	720	1	0.02	22	700	16	<5	<20	67	0.16	<10	73	<10	<1	69
1.2	1.77	80	165	5	2.33	<1	26	71	81	4.86	<10	0.96	730	2	0.02	21	720	20	5	<20	57	0.14	<10	76	<10	<1	65
1.2	1.63	70	160	5	2.14	<1	22	65	76	4.11	<10	0.80	727	3	0.02	18	660	22	10	<20	58	0.13	<10	82	<10	<1	68
1.2	1.81	75	155	5	2.03	<1	21	68	86	3.85	<10	0.80	689	3	0.02	19	690	18	10	<20	56	0.13	<10	80	<10	<1	71
1.2	2.05	65	155	5	1.81	<1	22	75	91	4.10	<10	0.94	690	2	<0.01	20	700	18	<5	<20	60	0.11	<10	72	<10	<1	73

  
**ECO-TECH LABORATORIES LTD.**  
 Frank J. Pezzotti, A.Sc.T.  
 B.C. Certified Assayer

19-Jul-94

ECO-TECH LABORATORIES LTD.  
10041 East Trans Canada Highway  
KAMLOOPS, B.C.  
V2C 2J3

Phone: 604-573-5700  
Fax : 604-573-4557

PIONEER METALS CORPORATION ETK 94-430  
1770-401 W. Georgia Street  
VANCOUVER, B.C.  
V6B 5A1

ATTENTION: David Dunn

7 SOIL samples received July 11, 1994  
Date Sample Run: July 15, 1994  
Shipment #: 08  
Project #: CANIM LAKE

Values in ppm unless otherwise reported

Et #.	Tag #	Au (ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	HEN 94: DR16	5	<.2	3.60	35	115	<.5	4.75	<.1	44	133	110	5.50	<.10	1.08	767	4	0.1	15	2470	<.2	<.5	<.20	123	0.27	<.10	194	<.10	5	47
2	HEN 94: DR17	5	<.2	8.30	50	20	<.5	2.97	<.1	71	230	148	9.79	<.10	1.71	942	12	0.4	40	2380	<.2	<.5	<.20	149	0.27	<.10	148	<.10	<.1	52
3	HEN 94: DR18	10	<.2	3.22	95	135	<.5	3.24	<.1	52	93	176	7.51	<.10	1.80	876	5	0.04	13	2850	10	<.5	<.20	120	0.39	<.10	266	<.10	9	76
4	HEN 94: DR19	10	<.2	3.28	1810	25	<.5	5.04	2	75	326	196	2.40	<.10	1.42	182	3	0.04	253	1030	<.2	15	<.20	208	0.09	<.10	66	<.10	<.1	19
5	HEN 94: DR20	5	<.2	2.76	45	315	<.5	5.89	<.1	36	118	105	4.30	<.10	1.15	847	6	0.04	11	1900	10	<.5	<.20	124	0.39	<.10	220	<.10	6	62
6	HEN 94: DR21	5	<.2	2.35	15	25	<.5	3.47	<.1	45	104	134	5.57	<.10	1.74	540	1	0.04	16	1370	<.2	<.5	<.20	177	0.25	<.10	122	<.10	2	28
7	HEN 94: DR22	5	<.2	3.75	35	30	<.5	1.15	<.1	43	147	75	8.56	<.10	3.54	906	3	0.02	16	1230	2	<.5	<.20	36	0.32	<.10	249	<.10	3	86

**QC DATA:**

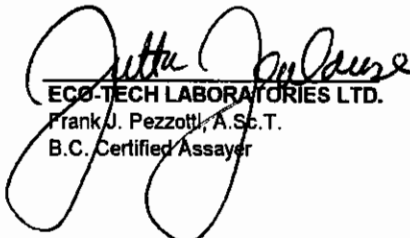
**Repeat:**

1	HEN 94: DR16	-	<.2	3.34	35	110	<.5	4.78	<.1	43	133	101	5.45	<.10	1.07	770	4	0.09	14	2360	<.2	<.5	<.20	121	0.27	<.10	194	<.10	5	46
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**Standard 1991:**

-		1.0	1.93	80	160	<.5	1.93	<.1	22	72	80	4.06	<.10	1.04	720	<.1	0.01	22	720	18	<.5	<.20	62	0.10	<.10	82	<.10	6	78
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XLS/Pioneer

  
 ECO-TECH LABORATORIES LTD.  
 Frank J. Pezzotti, A.Sc.T.  
 B.C. Certified Assayer

19-Jul-94

ECO-TECH LABORATORIES LTD.  
10041 East Trans Canada Highway  
KAMLOOPS, B.C.  
V2C 2J3

Phone: 604-573-5700  
Fax : 604-573-4557

PIONEER METALS CORPORATION ETK 94-432  
1770-401 W.Georgia Street  
VANCOUVER, B.C.  
V6B 5A1

ATTENTION: David Dunn

82 SOIL samples received July 11, 1994  
Date Sample Run: July 15, 1994  
Shipment #: 08  
Project #: CANIM LAKE

Values in ppm unless otherwise reported

Et #.	Tag #	Au (ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	HEN94: DS-8	<5	<2	1.98	50	135	<5	1.33	<1	33	112	46	4.43	<10	1.16	2115	2	0.02	30	1160	8	<5	<20	45	0.18	<10	143	<10	6	56
2	H-L 47E: 50+80N	<5	<2	2.71	40	170	<5	0.49	<1	34	129	67	4.25	<10	1.25	523	<1	<0.01	40	1600	<2	<5	<20	20	0.30	<10	134	<10	<1	92
3	H-L 47E: 50+90N	<5	<2	1.45	10	150	<5	0.49	<1	25	64	29	2.95	<10	0.70	962	<1	<0.01	16	1790	<2	<5	<20	21	0.21	<10	88	<10	<1	63
4	H-L47+50E: 50+50N	<5	<2	2.69	45	215	<5	0.50	<1	52	102	127	5.17	<10	1.33	351	1	0.01	40	1130	4	<5	<20	26	0.38	<10	216	<10	<1	72
5	H-L47+50E: 50+60N	<5	<2	1.82	25	135	<5	0.37	<1	34	39	54	4.21	<10	0.76	522	<1	<0.01	14	1280	4	<5	<20	20	0.29	<10	157	<10	<1	104
6	H-L47+50E: 50+70N	40	<2	2.70	40	185	<5	0.60	<1	55	252	75	4.43	<10	1.77	533	1	<0.01	56	1530	4	<5	<20	23	0.36	<10	169	<10	<1	151
7	H-L47+50E: 50+80N	<5	<2	2.43	30	210	<5	0.37	<1	44	71	99	4.14	<10	1.05	474	<1	<0.01	28	1740	<2	<5	<20	25	0.28	<10	147	<10	<1	137
8	H-L47+50E: 50+90N	<5	<2	2.13	40	130	<5	0.47	<1	41	113	70	4.58	<10	1.07	443	3	<0.01	31	1240	10	<5	<20	19	0.35	<10	161	<10	<1	100
9	H-L47+50E: 51N	<5	<2	2.90	55	135	<5	0.56	<1	44	97	100	4.72	<10	1.29	465	2	0.01	31	1480	4	<5	<20	19	0.37	<10	184	<10	<1	97
10	H-L47+50E: 51+10N	<5	<2	2.56	25	110	<5	0.48	<1	35	103	71	4.68	<10	1.18	385	<1	<0.01	28	1450	<2	<5	<20	19	0.35	<10	169	<10	<1	99
11	H-L47+50E: 51+20N	<5	<2	2.13	25	195	<5	0.43	<1	34	80	96	4.91	<10	1.35	403	<1	<0.01	15	1450	<2	<5	<20	13	0.47	<10	222	<10	<1	59
12	H-L47+50E: 51+30N	<5	<2	2.31	35	105	<5	0.37	<1	32	70	48	4.08	<10	0.91	323	<1	<0.01	16	1950	<2	<5	<20	17	0.31	<10	138	<10	<1	114
13	H-L47+50E: 51+40N	<5	<2	3.26	100	140	<5	0.39	<1	53	82	129	6.80	<10	1.58	466	1	0.01	23	1230	2	<5	<20	19	0.48	<10	293	<10	<1	98
14	H-L47+50E: 51+50N	<5	<2	2.90	40	105	<5	0.70	<1	31	125	63	4.23	<10	1.14	351	<1	0.01	30	2050	<2	<5	<20	24	0.23	<10	145	<10	2	88
15	H-L47+50E: 51+60N	<5	<2	2.26	35	110	<5	0.82	<1	34	151	34	4.51	<10	1.13	621	1	0.01	30	1940	6	<5	<20	26	0.27	<10	147	<10	<1	82
16	H-L47+50E: 51+70N	5	<2	2.25	40	110	<5	0.64	<1	27	142	45	5.05	<10	1.01	337	2	0.01	29	650	8	<5	<20	28	0.35	<10	173	<10	<1	55
17	H-L47+50E: 51+80N	<5	<2	3.04	70	135	<5	1.08	<1	36	193	67	5.11	<10	1.57	586	2	0.02	50	520	6	<5	<20	43	0.29	<10	182	<10	3	61
18	H-L47+50E: 51+90N	5	<2	2.41	35	635	<5	0.80	1	48	155	49	4.68	<10	1.43	4821	2	<0.01	46	1260	6	<5	<20	33	0.35	<10	152	<10	<1	159
19	H-L47+50E: 52N	<5	<2	3.15	45	220	<5	0.41	<1	48	157	55	4.74	<10	1.46	865	<1	<0.01	49	1340	<2	<5	<20	19	0.35	<10	154	<10	<1	171
20	H-L47+50E: 52+10N	<5	<2	3.46	40	145	<5	0.48	<1	47	286	56	4.55	<10	1.93	365	<1	<0.01	76	1560	<2	<5	<20	19	0.32	<10	140	<10	<1	160
21	H-L47+50E: 52+20N	<5	<2	2.18	45	170	<5	0.55	<1	34	154	49	4.09	<10	1.15	446	2	<0.01	46	1760	6	<5	<20	25	0.31	<10	154	<10	<1	109
22	H-L47+50E: 52+30N	40	<2	4.08	45	165	<5	0.44	<1	59	290	70	4.73	<10	2.01	408	1	<0.01	101	1270	<2	<5	<20	16	0.35	<10	135	<10	<1	161
23	H-L47+50E: 52+40N	<5	<2	3.21	60	165	<5	0.61	<1	52	274	86	4.52	<10	1.94	343	2	0.01	102	1390	6	<5	<20	23	0.30	<10	145	<10	<1	86
24	H-L47+50E: 52+50N	<5	<2	2.44	25	150	<5	0.46	<1	39	187	40	3.71	<10	1.14	310	<1	<0.01	53	1070	<2	<5	<20	18	0.28	<10	111	<10	<1	68
25	H-L47+50E: 52+60N	<5	<2	1.22	25	80	<5	0.27	<1	22	127	23	2.63	<10	0.87	177	1	<0.01	34	860	10	<5	<20	14	0.26	<10	101	<10	<1	48
26	H-L47+50E: 52+70N	<5	<2	2.28	45	175	<5	0.33	<1	38	121	43	3.90	<10	1.05	297	1	<0.01	48	1200	4	<5	<20	19	0.30	<10	129	<10	<1	126
27	H-L47+50E: 52+80N	<5	<2	3.39	80	225	<5	0.51	<1	52	221	74	6.36	<10	1.69	457	3	0.01	70	950	4	<5	<20	25	0.45	<10	234	<10	<1	125
28	H-L47+50E: 52+90N	<5	<2	3.16	45	185	<5	0.43	<1	46	179	48	5.06	<10	1.32	298	1	<0.01	55	1850	4	<5	<20	18	0.36	<10	163	<10	<1	148
29	H-L47+50E: 53N	<5	<2	3.33	75	190	<5	0.61	<1	40	374	47	5.30	<10	2.24	364	1	<0.01	59	2110	6	<5	<20	19	0.51	<10	171	<10	<1	117
30	H-L47+50E: 53+10N	<5	<2	3.47	50	190	<5	0.42	<1	41	239	66	5.22	<10	1.97	323	1	0.01	54	1130	<2	<5	<20	17	0.43	<10	176	<10	<1	94

Et #.	Tag #	Au (ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	H-L47+50E: 53+20N	<5	0.2	2.61	45	145	<5	0.40	<1	28	176	31	3.48	<10	1.61	262	<1	0.01	28	1200	2	<5	<20	18	0.31	<10	114	<10	<1	53
32	L48E: 51N	5	<2	1.69	40	105	<5	0.37	<1	38	69	64	4.18	<10	0.93	718	2	<0.1	15	1400	10	<5	<20	18	0.38	<10	177	<10	<1	98
33	L48E: 51+10N	<5	<2	1.66	25	125	<5	0.34	<1	38	40	35	3.64	<10	0.80	443	<1	<0.1	11	1280	4	<5	<20	12	0.28	<10	129	<10	<1	157
34	L48E: 51+20N	<5	<2	2.13	30	150	<5	0.34	<1	41	50	36	4.45	<10	0.98	657	3	<0.1	15	900	6	<5	<20	13	0.29	<10	158	<10	<1	118
35	L48E: 51+30N	<5	<2	2.31	35	240	<5	0.34	<1	40	42	52	4.78	<10	1.33	746	2	<0.1	13	1030	4	<5	<20	14	0.32	<10	179	<10	<1	118
36	L48E: 51+40N	5	<2	2.79	75	205	5	0.66	<1	46	93	87	5.30	<10	1.53	1004	5	0.01	27	1430	12	<5	<20	29	0.37	<10	207	<10	<1	101
37	L48E: 51+50N	<5	<2	2.30	60	130	<5	0.40	<1	33	68	82	4.07	<10	0.94	500	3	<0.1	23	1200	8	<5	<20	27	0.31	<10	151	<10	<1	86
38	L48E: 51+60N	5	<2	0.89	30	100	<5	0.34	<1	18	39	28	2.47	<10	0.39	550	1	<0.1	9	980	6	<5	<20	24	0.19	<10	87	<10	<1	58
39	L48E: 51+70N	<5	<2	2.50	40	155	<5	0.79	<1	34	164	58	4.45	<10	1.33	431	1	0.02	40	1220	8	<5	<20	38	0.23	<10	155	<10	<1	56
40	L48E: 51+80N	<5	<2	1.92	35	110	<5	1.01	<1	31	109	45	4.18	<10	1.22	723	1	0.02	24	1020	4	<5	<20	31	0.26	<10	150	<10	3	49
41	L48E: 51+90N	<5	<2	2.62	45	170	<5	0.95	<1	29	117	71	4.16	<10	1.22	976	<1	0.02	34	930	<2	<5	<20	43	0.21	<10	140	<10	7	48
42	L48E: 52N "A"	5	<2	3.19	45	295	<5	1.00	<1	35	197	64	4.71	<10	2.10	354	<1	0.02	25	510	<2	<5	<20	37	0.51	<10	224	<10	1	45
43	L48E: 52N "B"	<5	<2	1.80	35	105	<5	0.51	<1	28	145	34	3.12	<10	1.10	319	<1	<0.1	41	1510	4	<5	<20	21	0.28	<10	103	<10	<1	85
44	L48E: 52+10N	<5	<2	3.86	45	170	<5	0.50	<1	45	488	77	3.53	<10	3.14	347	<1	<0.1	145	1070	<2	<5	<20	23	0.31	<10	119	<10	<1	63
45	L48E: 52+20N	<5	<2	5.03	70	250	<5	0.56	<1	59	499	96	4.40	<10	4.08	227	<1	0.02	226	890	<2	<5	<20	31	0.36	<10	127	<10	<1	58
46	L48E: 52+30N	<5	0.2	4.11	90	235	<5	0.95	<1	55	374	53	4.45	<10	2.58	387	<1	0.01	186	1680	<2	10	<20	66	0.27	<10	125	<10	<1	72
47	L48E: 52+40N	<5	1.0	0.47	10	100	<5	0.20	<1	10	103	8	1.06	<10	0.43	107	<1	<0.1	24	170	6	<5	<20	8	0.15	<10	47	<10	<1	19
48	L48E: 52+50N	<5	1.4	0.17	<5	25	<5	0.09	<1	4	11	5	0.62	<10	0.05	124	<1	<0.1	2	90	2	<5	<20	4	0.09	<10	30	<10	1	8
49	L48E: 52+60N	<5	0.2	0.98	20	55	<5	0.24	<1	16	112	20	1.96	<10	0.33	176	<1	<0.1	27	1050	6	<5	<20	9	0.18	<10	80	<10	<1	28
50	L48E: 52+70N	10	<2	1.53	35	95	<5	0.59	<1	23	162	32	3.16	<10	0.91	281	<1	0.01	34	2050	4	<5	<20	16	0.24	<10	94	<10	<1	39
51	L48E: 52+80N	<5	<2	3.72	85	95	<5	0.51	<1	40	251	50	6.15	<10	1.20	270	2	0.02	56	3450	4	<5	<20	16	0.29	<10	199	<10	<1	64
52	L48E: 52+90N	<5	<2	2.20	55	60	<5	0.19	<1	19	193	34	3.36	<10	0.94	148	1	<0.1	29	940	<2	<5	<20	9	0.28	<10	123	<10	<1	36
53	L48E: 53N	<5	<2	2.70	50	165	<5	0.68	<1	31	100	66	4.81	<10	1.03	294	3	0.01	26	1300	12	<5	<20	30	0.29	<10	171	<10	<1	67
54	L48E: 53+10N	<5	<2	2.76	50	90	<5	0.65	<1	24	114	41	4.70	<10	0.90	340	3	0.01	22	2070	6	<5	<20	22	0.22	<10	161	<10	<1	55
55	H-L48+22E: 53N	<5	<2	3.70	25	115	<5	0.42	<1	28	100	70	4.34	<10	1.27	401	<1	0.01	31	860	<2	<5	<20	23	0.28	<10	138	<10	<1	66
56	H-L48+22E: 53+10N	<5	<2	4.85	70	150	<5	0.65	<1	40	218	69	5.82	<10	1.81	695	<1	0.02	61	2000	<2	<5	<20	25	0.29	<10	161	<10	<1	100
57	H-L48+22E: 53+20N	<5	<2	7.48	105	160	<5	0.44	<1	54	543	145	6.08	<10	2.34	545	2	0.02	124	1840	<2	<5	<20	21	0.33	<10	231	<10	<1	76
58	H-L48+22E: 53+30N	<5	<2	3.14	60	115	<5	0.65	<1	33	285	68	5.57	<10	1.39	336	<1	0.02	55	1140	<2	<5	<20	22	0.25	<10	209	<10	<1	47
59	H-L48+22E: 53+40N	<5	<2	4.58	65	185	<5	0.48	<1	41	312	109	4.64	<10	1.82	417	<1	0.01	80	870	<2	<5	<20	25	0.29	<10	169	<10	<1	55
60	H-L48+22E: 53+50N	<5	<2	1.07	20	55	<5	0.34	<1	15	92	21	2.23	<10	0.61	174	1	0.01	18	380	8	<5	<20	14	0.23	<10	92	<10	1	24
61	H-L48+50E: 51N	<5	<2	3.47	65	275	<5	0.28	<1	53	55	97	6.54	<10	2.11	478	6	0.01	21	920	8	<5	<20	16	0.40	<10	280	<10	<1	116
62	H-L48+50E: 51N "A"	<5	0.2	1.48	25	145	<5	0.38	<1	29	42	48	4.04	<10	0.93	231	1	<0.1	13	1110	4	<5	<20	20	0.30	<10	161	<10	<1	84
63	H-L48+50E: 51N+10N	<5	<2	1.86	30	130	<5	0.34	<1	28	50	51	3.98	<10	0.97	287	<1	<0.1	14	980	<2	<5	<20	20	0.29	<10	160	<10	<1	71
64	H-L48+50E: 51+20N	5	<2	1.77	30	140	<5	0.33	<1	31	45	32	3.75	<10	0.83	478	1	<0.1	11	1230	4	<5	<20	18	0.31	<10	146	<10	<1	116
65	H-L48+50E: 51+30N	<5	<2	2.28	45	125	<5	0.41	<1	35	64	64	5.01	<10	1.28	302	1	<0.1	14	1640	6	<5	<20	14	0.38	<10	176	<10	<1	90
66	H-L48+50E: 51+40N	<5	<2	1.48	25	80	<5	0.43	<1	21	50	23	3.44	<10	0.61	183	<1	<0.1	10	2550	4	<5	<20	18	0.23	<10	113	<10	<1	94
67	H-L48+50E: 51+50N	<5	<2	1.01	40	90	<5	0.42	<1	23	71	31	2.94	<10	0.66	237	2	<0.1	14	1020	14	<5	<20	19	0.26	<10	117	<10	<1	54
68	H-L48+50E: 51+60N	5	<2	1.98	30	105	<5	0.86	<1	28	88	45	3.74	<10	1.13	1097	2	0.01	23	580	<2	<5	<20	35	0.26	<10	131	<10	2	67
69	H-L48+50E: 51+70N	5	<2	2.14	35	110	<5	0.90	<1	27	106	52	4.26	<10	1.07	739	2	0.01	30	800	<2	<5	<20	35	0.18	<10	145	<10	2	52
70	H-L48+50E: 51+80N	<5	0.4	1.77	35	100	<5	0.94	<1	22	125	30	3.63	<10	1.23	399	2	0.01	24	760	6	<5	<20	31	0.22	<10	125	<10	<1	50



Et #.	Tag #	Au (ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
71	H-L48+50E: 51+90N	<5	<2	2.02	25	85	<5	0.55	<1	22	94	36	4.39	<10	0.86	260	<1	0.01	20	370	<2	<5	<20	27	0.26	<10	156	<10	<1	56
72	H-L48+50E: 52+10N	<5	<2	1.15	25	105	<5	0.50	<1	16	78	27	3.21	<10	0.66	206	1	0.01	14	630	6	<5	<20	25	0.19	<10	115	<10	<1	35
73	H-L48+50E: 52+20N	<5	<2	1.35	25	85	<5	0.39	<1	19	77	21	3.28	<10	0.52	247	1	0.01	13	830	6	<5	<20	15	0.16	<10	114	<10	<1	47
74	H-L48+50E: 52+30N	<5	<2	1.37	25	95	<5	0.52	<1	20	92	24	3.87	<10	0.69	261	1	0.01	15	1760	4	<5	<20	19	0.18	<10	134	<10	<1	46
75	H-L48+50E: 52+40N	<5	<2	2.31	40	125	<5	0.46	<1	24	85	34	4.25	<10	0.88	225	2	<0.1	16	1830	4	<5	<20	22	0.21	<10	139	<10	<1	79
76	H-L48+50E: 52+50N	5	<2	2.16	35	105	<5	0.68	<1	27	116	57	3.94	<10	1.18	309	<1	0.01	28	1760	<2	<5	<20	23	0.22	<10	137	<10	2	45
77	H-L48+50E: 52+60N	<5	<2	1.99	25	120	<5	0.55	<1	21	84	26	3.57	<10	0.74	199	<1	<0.1	17	2830	<2	<5	<20	20	0.21	<10	107	<10	<1	72
78	H-L48+50E: 52+70N	<5	<2	3.35	40	150	<5	0.48	<1	30	122	72	4.34	<10	1.46	288	1	0.01	27	1840	<2	<5	<20	23	0.27	<10	160	<10	<1	72
79	H-L48+50E: 52+80N	<5	<2	3.48	40	160	<5	0.28	<1	35	142	47	5.09	<10	1.53	418	1	<0.1	25	1920	<2	<5	<20	12	0.39	<10	172	<10	<1	110
80	H-L48+50E: 52+90N	<5	<2	2.25	25	110	<5	0.47	<1	23	201	40	4.04	<10	1.65	220	<1	<0.1	27	2860	<2	<5	<20	14	0.34	<10	151	<10	<1	69
81	H-L48+50E: 53N	<5	<2	3.75	85	140	<5	0.39	<1	34	237	56	5.49	<10	1.27	589	<1	<0.1	54	2760	<2	<5	<20	13	0.34	<10	193	<10	<1	87
82	H-L48+50E: 53+10N	<5	<2	6.56	145	175	<5	0.62	<1	48	445	128	5.55	<10	2.09	470	2	0.02	107	1510	<2	<5	<20	23	0.33	<10	208	<10	<1	62

**QC DATA:**

**Repeat:**

1	HEN94: DS-8	<2	1.94	55	130	<5	1.34	<1	32	106	45	4.14	<10	1.13	2010	1	0.02	29	1130	8	<5	<20	45	0.20	<10	138	<10	6	54
39	L48E: 51+70N	<2	2.50	55	155	<5	0.80	<1	34	158	58	4.31	<10	1.31	418	3	0.02	40	1210	12	<5	<20	37	0.25	<10	156	<10	<1	56
77	H-L48+50E: 52+60N	0.4	2.03	20	115	<5	0.52	<1	19	77	25	3.37	<10	0.73	184	<1	<0.1	16	2670	<2	<5	<20	19	0.18	<10	99	<10	<1	69

**Standard 1991:**

		1.2	1.90	70	170	<5	1.94	<1	23	71	85	3.97	<10	1.13	715	<1	0.01	20	745	20	<5	<20	60	0.10	<10	83	<10	7	69
		1.2	1.93	65	169	<5	1.93	<1	23	72	82	4.14	<10	1.05	720	<1	<0.1	23	780	20	<5	<20	60	0.10	<10	82	<10	3	76

XLS/Pioneer

  
**ECO-TECH LABORATORIES LTD.**  
 Frank J. Pezzotti, A.Sc.T.  
 B.C. Certified Assayer

19-Jul-94

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1770-401 W.Georgia Street  
VANCOUVER, B.C.  
V6B 5A1

ATTENTION: David Dunn

46 SOIL samples received July 11, 1994  
Date Sample Run: July 15, 1994  
Shipment #: 08  
Project #: CANIM LAKE

Values in ppm unless otherwise reported

Et #.	Tag #	Au (ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	L51+50N: 50+25E	<5	<.2	2.30	40	135	<5	0.88	1	38	131	86	5.34	<10	1.20	711	<1	0.02	34	980	10	<5	<20	34	0.23	<10	179	<10	2	59
2	L51+50N: 50+50E	<5	<.2	2.33	45	85	<5	0.65	<1	32	131	60	5.26	<10	1.24	587	2	0.02	30	700	12	<5	<20	26	0.26	<10	180	<10	2	50
3	L51+50N: 50+75E	<5	<.2	2.18	30	105	<5	0.71	<1	25	103	68	3.94	<10	1.00	754	<1	0.02	28	720	<2	<5	<20	32	0.16	<10	129	<10	4	40
4	L51+50N: 51E	<5	<.2	1.67	35	70	<5	0.66	<1	25	101	41	3.74	<10	0.83	368	1	0.02	25	730	8	<5	<20	30	0.16	<10	124	<10	3	31
5	L51+50N: 51+25E	<5	<.2	2.08	30	85	<5	0.70	<1	24	104	47	4.02	<10	1.04	365	<1	0.02	24	1000	4	<5	<20	30	0.22	<10	131	<10	2	52
6	L51+50N: 51+50E	<5	<.2	3.49	55	165	<5	0.87	1	39	153	106	5.94	<10	1.46	1119	2	0.02	41	880	4	<5	<20	44	0.23	<10	188	<10	6	68
7	L51+50N: 51+75E	<5	<.2	2.32	60	75	<5	0.52	<1	26	119	43	5.49	<10	0.97	317	4	0.02	25	480	16	<5	<20	26	0.26	<10	190	<10	<1	39
8	L51+50N: 52E	<5	<.2	3.13	60	165	<5	1.42	<1	33	113	78	4.79	<10	1.22	981	2	0.02	36	1230	2	<5	<20	58	0.17	<10	152	<10	9	67
9	L51+50N: 52+25E	<5	<.2	4.39	60	210	<5	1.69	2	40	164	148	5.51	<10	1.32	1500	1	0.02	57	1360	<2	<5	<20	85	0.13	<10	154	<10	19	64
10	L51+50N: 52+50E	5	<.2	2.54	45	105	<5	0.90	<1	31	117	67	4.34	<10	1.19	636	2	0.02	33	830	6	<5	<20	54	0.22	<10	132	<10	6	56
11	L52N: 49E	<5	<.2	1.28	30	75	<5	0.91	<1	22	90	31	3.31	<10	0.85	437	1	0.02	21	1340	4	<5	<20	36	0.17	<10	124	<10	6	26
12	L52N: 49+25E	<5	<.2	2.17	40	135	<5	0.99	<1	32	111	65	4.44	<10	1.19	781	<1	0.02	30	1330	<2	<5	<20	45	0.22	<10	140	<10	5	48
13	L52N: 49+50E	<5	<.2	2.06	30	110	<5	0.98	<1	30	107	59	4.22	<10	1.14	702	<1	0.01	27	990	<2	<5	<20	40	0.19	<10	131	<10	3	42
14	L52N: 49+75E	5	<.2	3.50	55	220	<5	1.09	<1	40	152	87	5.89	<10	1.39	960	2	0.02	42	830	4	<5	<20	47	0.24	<10	169	<10	5	66
15	L52N: 48+75E	5	<.2	4.16	55	220	<5	1.05	1	37	138	122	5.78	<10	1.20	1848	2	0.02	48	1030	<2	<5	<20	53	0.19	<10	170	<10	8	64
16	L52N+50N: 50+25E	5	<.2	2.31	30	120	<5	0.98	<1	34	110	60	4.39	<10	1.25	600	<1	0.02	30	1440	<2	<5	<20	36	0.24	<10	147	<10	4	50
17	L52N+50N: 50+50E	<5	<.2	2.05	30	105	<5	0.78	<1	28	91	48	3.99	<10	1.12	482	<1	0.02	26	710	2	<5	<20	34	0.23	<10	144	<10	2	48
18	L52N+50N: 50+75E	<5	<.2	2.18	30	100	<5	0.89	<1	29	106	49	4.10	<10	1.19	588	<1	0.02	28	650	4	<5	<20	33	0.23	<10	142	<10	3	57
19	L52N+50N: 51E	<5	<.2	2.13	55	115	<5	1.07	<1	36	150	62	4.84	<10	1.32	828	3	0.02	39	1390	12	<5	<20	58	0.22	<10	147	<10	6	52
20	L52N+50N: 51+25E	<5	<.2	1.74	15	90	<5	0.56	<1	21	69	32	3.23	<10	0.72	309	<1	0.01	16	1520	<2	<5	<20	22	0.19	<10	104	<10	2	47
21	L52N+50N: 51+50E	<5	<.2	1.88	30	95	<5	0.79	<1	25	102	43	3.96	<10	1.00	421	<1	0.02	25	970	6	<5	<20	31	0.22	<10	135	<10	3	47
22	L52N+50N: 51+75E	<5	<.2	2.74	35	110	<5	0.92	<1	34	147	66	4.85	<10	1.53	534	<1	0.02	38	1640	<2	<5	<20	30	0.24	<10	164	<10	1	56
23	L52N+50N: 52E	<5	<.2	3.07	45	150	<5	1.18	<1	39	165	72	5.63	<10	1.73	837	<1	0.02	42	1090	2	<5	<20	41	0.25	<10	173	<10	2	58
24	L52N+50N: 52+25E	<5	<.2	4.38	65	210	<5	1.08	<1	40	144	120	5.96	<10	1.47	996	<1	0.02	47	1000	<2	<5	<20	46	0.23	<10	187	<10	5	68
25	L52N+50N: 52+50E	<5	<.2	2.84	30	155	<5	1.32	<1	33	118	85	4.79	<10	1.45	829	<1	0.02	31	940	<2	<5	<20	53	0.22	<10	149	<10	11	58
26	L52N+50N: 52+75E	<5	<.2	5.16	75	230	<5	1.44	2	59	184	204	8.05	<10	1.57	2564	2	0.02	70	1680	8	<5	<20	56	0.23	<10	222	<10	10	97
27	L52N+50N: 53E	<5	<.2	2.33	30	180	<5	0.87	<1	32	97	64	4.63	<10	1.11	865	<1	0.01	25	1730	4	<5	<20	34	0.21	<10	138	<10	<1	82
28	L52N+50N: 53+25E	<5	<.2	2.44	35	145	<5	0.69	<1	36	127	56	5.44	<10	1.25	871	<1	0.01	30	850	8	<5	<20	27	0.34	<10	178	<10	1	103
29	L52N+50N: 53+50E	5	<.2	3.56	45	190	<5	1.21	2	43	116	174	5.19	<10	1.20	1653	<1	0.02	47	1170	<2	<5	<20	63	0.15	<10	149	<10	10	61
30	L53N: 57+50E "A	<5	<.2	2.90	155	170	<5	3.32	1	36	147	86	5.13	<10	1.23	2031	1	0.01	43	1710	6	<5	<20	115	0.11	<10	169	<10	7	88

Et #.	Tag #	Au (ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	L53N: 57+75E "A"	<5	<.2	4.30	505	130	<5	1.35	2	49	289	91	6.87	<10	1.50	1693	3	0.02	57	1120	12	<5	<20	41	0.22	<10	291	<10	2	108
32	L53N: 57+75E "B"	<5	<.2	3.66	235	135	<5	1.30	1	45	175	98	6.73	<10	1.92	1351	<1	0.02	44	1960	<2	<5	<20	49	0.23	<10	276	<10	3	94
33	L53+50N: 50+25E	<5	<.2	1.36	25	75	<5	0.55	<1	18	84	17	3.91	<10	0.53	451	<1	0.01	13	2160	6	<5	<20	18	0.15	<10	110	<10	2	64
34	L53+50N: 50+50E	<5	<.2	2.29	35	60	<5	0.54	<1	23	98	40	4.45	<10	0.93	293	<1	0.02	21	550	<2	<5	<20	27	0.21	<10	144	<10	4	45
35	L53+50N: 50+75E	<5	<.2	1.74	35	120	<5	0.89	<1	24	96	29	5.19	<10	0.94	369	1	0.01	17	1290	8	<5	<20	31	0.22	<10	167	<10	2	72
36	L53+50N: 51E	35	<.2	2.34	30	80	<5	0.53	<1	21	78	36	3.93	<10	0.83	300	<1	0.02	17	760	2	<5	<20	24	0.21	<10	127	<10	3	54
37	L53+50N: 51+25E	5	<.2	1.46	15	85	<5	0.73	<1	20	74	35	2.77	<10	0.87	479	<1	0.01	20	910	<2	<5	<20	34	0.15	<10	88	<10	3	24
38	L53+50N: 51+50E	<5	<.2	2.61	45	110	<5	0.77	<1	31	122	55	5.44	<10	1.28	448	<1	0.02	29	980	4	<5	<20	26	0.25	<10	173	<10	2	61
39	L53+50N: 51+75E	<5	<.2	3.28	55	175	<5	0.97	<1	38	135	74	5.66	<10	1.28	898	3	0.02	39	960	6	<5	<20	39	0.25	<10	181	<10	4	70
40	L53+50N: 52E	5	0.4	1.85	30	95	<5	0.72	<1	20	88	38	3.96	<10	0.87	361	<1	0.01	19	1020	4	<5	<20	27	0.23	<10	142	<10	<1	50
41	L53+50N: 52+30E	<5	<.2	2.21	45	75	<5	0.61	<1	26	109	51	5.02	<10	0.90	332	2	0.02	25	300	8	<5	<20	30	0.27	<10	174	<10	4	36
42	L54N: 46E "A"	<5	<.2	1.12	20	70	<5	0.25	<1	15	50	25	3.05	<10	0.45	158	1	0.01	10	590	10	<5	<20	14	0.30	<10	136	<10	<1	32
43	L54N: 50+50E "A"	<5	<.2	2.63	40	120	<5	0.80	<1	31	121	62	4.94	<10	1.16	386	1	0.01	28	450	4	<5	<20	30	0.26	<10	177	<10	1	56
44	L54N: 50+50E "B"	<5	<.2	2.58	45	95	<5	0.68	<1	30	116	55	5.37	<10	1.17	384	2	0.02	27	420	8	<5	<20	27	0.31	<10	196	<10	<1	55
45	L54N: 52+25E	5	<.2	4.05	50	110	<5	0.74	<1	43	130	94	6.03	<10	1.79	536	<1	0.02	29	610	<2	<5	<20	28	0.32	<10	201	<10	1	47
46	L55N: 46+50E "A"	<5	<.2	2.12	35	145	<5	0.32	<1	27	317	38	4.70	<10	1.01	189	2	0.01	72	1120	14	<5	<20	12	0.30	<10	154	<10	<1	48


**QC DATA:**

**Repeat:**

1	L51+50N: 50+25E	<.2	2.50	40	135	<5	0.81	<1	36	122	91	4.93	<10	1.22	643	<1	0.02	32	930	4	<5	<20	34	0.25	<10	168	<10	2	59
39	L53+50N: 51+75E	<.2	3.05	50	160	<5	0.80	<1	33	115	69	4.99	<10	1.17	776	2	0.02	33	850	4	<5	<20	35	0.22	<10	160	<10	3	62

**Standard 1991:**

		1.0	1.93	80	160	<5	1.93	<1	22	72	80	4.06	<10	1.04	720	<1	0.01	22	720	18	<5	<20	62	0.10	<10	82	<10	6	78
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 ECO-TECH LABORATORIES LTD.  
 Frank J. Pezzotti, A.Sc.T.  
 B.C. Certified Assayer

10-Aug-94

ECO-TECH LABORATORIES LTD.  
10041 East Trans Canada Highway  
KAMLOOPS, B.C.  
V2C 2J3

Phone: 604-573-5700  
Fax : 604-573-4557

PIONEER METALS CORPORATION ETK 94-525  
1770-401 W. Georgia Street  
VANCOUVER, B.C.  
V6B 5A1

ATTENTION: David Dunn

13 SOIL samples received August 2, 1994  
Date Sample Run: August 10  
Shipment #: 09  
Project #: CANIM LAKE

Values in ppm unless otherwise reported

Et #.	Tag #	Au (ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
1	HEN94: TB 1	5	<.2	2.28	65	240	<.5	1.23	<.1	35	93	156	4.60	<.10	1.58	874	2	<.01	28	1320	8	<.5	<.20	53	0.27	<.10	181	<.10	6	53
2	HEN94: TB 2	5	<.2	2.27	40	230	<.5	1.04	<.1	37	87	189	4.65	<.10	1.62	634	<.1	<.01	22	1050	4	<.5	<.20	39	0.33	<.10	197	<.10	12	40
3	HEN94: TB 3	5	<.2	2.23	60	190	<.5	0.99	<.1	28	75	172	4.20	<.10	1.27	561	1	<.01	26	810	4	<.5	<.20	55	0.28	<.10	173	<.10	10	38
4	HEN94: TB 4	5	<.2	2.47	30	175	<.5	0.76	<.1	34	137	155	4.08	<.10	1.58	460	1	<.01	35	790	2	<.5	<.20	39	0.30	<.10	169	<.10	3	43
5	HEN94: TB 5	5	<.2	2.58	30	190	<.5	0.69	<.1	28	80	169	3.82	<.10	1.47	423	<.1	<.01	23	940	<.2	<.5	<.20	36	0.32	<.10	174	<.10	2	42
6	HEN94: TB 6	5	<.2	2.01	35	205	<.5	1.12	<.1	32	83	192	3.74	<.10	1.34	567	<.1	0.01	29	1200	4	<.5	<.20	42	0.27	<.10	154	<.10	12	38
7	HEN94: TB 7	5	<.2	2.54	30	160	<.5	0.83	<.1	37	113	191	4.08	<.10	1.73	461	<.1	<.01	43	1970	<.2	<.5	<.20	25	0.29	<.10	154	<.10	1	47
8	HEN94: TC 1	5	<.2	1.94	50	245	<.5	0.84	<.1	29	81	102	3.80	<.10	1.42	701	1	<.01	26	1200	4	<.5	<.20	33	0.31	<.10	157	<.10	6	49
9	HEN94: TC 2	5	<.2	2.50	60	250	<.5	1.31	<.1	36	241	108	3.65	<.10	2.17	480	<.1	<.01	70	1130	<.2	<.5	<.20	36	0.24	<.10	126	<.10	2	39
10	HEN94: TC 3	5	<.2	2.21	40	205	<.5	1.04	<.1	31	142	84	3.95	<.10	1.65	696	<.1	<.01	34	1360	2	<.5	<.20	36	0.24	<.10	154	<.10	3	45
11	HEN94: TD 1	5	<.2	2.61	60	195	<.5	1.43	<.1	33	332	94	3.17	<.10	2.03	542	<.1	<.01	80	1210	<.2	<.5	<.20	105	0.19	<.10	143	<.10	4	33
12	HEN94: TD 2	5	<.2	2.60	45	220	<.5	1.25	<.1	28	98	131	3.73	<.10	1.83	607	<.1	<.01	25	1510	2	<.5	<.20	92	0.24	<.10	156	<.10	5	43
13	DS9	5	<.2	3.02	50	240	<.5	1.57	<.1	32	82	125	3.65	<.10	1.45	803	<.1	<.01	28	1290	<.2	<.5	<.20	104	0.20	<.10	156	<.10	8	34

**QC DATA:**

**Repeat:**

1	HEN94: TB		<.2	2.35	65	240	<.5	1.24	<.1	34	94	161	4.34	<.10	1.61	882	1	<.01	27	1340	4	<.5	<.20	53	0.27	<.10	183	<.10	6	54
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**Standard 1991:**

			1.4	1.89	70	150	<.5	2.10	1	23	72	71	4.14	<.10	1.12	730	<.1	<.01	17	740	30	<.5	<.20	59	0.15	<.10	90	<.10	6	82
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XLS/Pioneer

  
ECO-TECH LABORATORIES LTD.  
Frank J. Pezzotti, A.Sc.T.  
B.C. Certified Assayer

10-Aug-94

ECO-TECH LABORATORIES LTD.  
10041 East Trans Canada Highway  
KAMLOOPS, B.C.  
V2C 2J3

Phone: 604-573-5700  
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PIONEER METALS CORPORATION ETK 94-526  
1770-401 W.Georgia Street  
VANCOUVER, B.C.  
V6B 5A1

ATTENTION: David Dunn

46 ROCK samples received August 2, 1994  
Date Sample Run: August 9, 1994  
Shipment #: 09  
Project #: CANIM LAKE

Values in ppm unless otherwise reported

Et #.	Tag #	Au (ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Te	Ti %	U	V	W	Y	Zn
1	HEN94:DR 23	5	<2	3.42	30	625	5	1.62	1	29	40	115	4.49	<10	2.06	580	<1	0.16	18	910	32	20	<20	114	<50	0.26	<10	161	<10	17	54
2	HEN94:DR 24	5	<2	1.49	<5	275	<5	0.45	<1	19	120	92	3.45	<10	0.97	431	<1	0.07	30	850	12	15	<20	11	<50	0.32	<10	114	<10	28	59
3	HEN94:DR 25	5	<2	1.21	<5	185	5	0.79	<1	18	62	113	3.00	<10	0.95	180	<1	0.07	17	890	16	10	<20	38	<50	0.29	<10	103	<10	22	39
4	HEN94:DR 26	5	<2	2.40	<5	170	<5	1.05	1	31	51	183	4.86	<10	1.84	511	<1	0.11	25	940	22	20	<20	44	<50	0.26	<10	179	<10	17	60
5	HEN94:DR 27	<5	<2	1.66	<5	130	<5	0.65	4	30	64	170	4.47	<10	1.37	398	3	0.07	36	1170	12	25	<20	21	<50	0.31	<10	287	<10	23	144
6	HEN94:DR 28	<5	<2	2.63	35	480	5	0.92	6	32	47	141	5.37	<10	2.08	525	<1	0.06	24	980	28	25	<20	34	<50	0.30	<10	230	<10	20	134
7	HEN94:DR 29	<5	<2	2.05	<5	190	<5	0.77	2	30	42	173	4.86	<10	1.70	432	<1	0.05	30	1120	18	20	<20	33	<50	0.32	<10	249	<10	24	79
8	HEN94:DR 30	<5	<2	1.90	15	410	10	0.84	1	25	42	110	3.58	<10	1.35	279	<1	0.08	18	1110	20	25	<20	38	<50	0.29	<10	159	<10	23	51
9	HEN94:DR 31	<5	<2	1.59	5	465	<5	0.58	<1	26	47	147	3.72	<10	1.33	238	<1	0.05	17	1100	20	15	<20	27	<50	0.30	<10	164	<10	22	43
10	HEN94:DR 32	<5	<2	1.62	<5	295	5	0.85	<1	25	44	135	3.54	<10	1.18	287	<1	0.08	20	1470	14	20	<20	29	<50	0.28	<10	129	<10	23	41
11	HEN94:DR 33	<5	<2	2.24	10	325	10	0.84	<1	19	91	69	3.39	<10	0.96	340	<1	0.10	16	670	26	15	<20	42	<50	0.30	<10	126	<10	24	52
12	HEN94:DR 34	<5	<2	1.82	10	505	<5	0.74	<1	17	77	109	3.00	<10	0.91	273	<1	0.11	12	830	18	15	<20	31	<50	0.30	<10	118	<10	23	43
13	HEN94:DR 35	<5	<2	> 15	<5	280	<5	2.22	<1	19	121	107	3.29	<10	1.17	268	<1	0.26	14	750	<2	20	<20	170	<50	0.25	<10	122	<10	18	42
14	HEN94:DR 36	<5	<2	> 15	<5	340	10	1.59	<1	22	87	106	3.66	<10	1.33	269	<1	0.26	16	690	<2	20	<20	125	<50	0.28	<10	145	<10	20	46
15	HEN94:DR 37	<5	<2	> 15	<5	380	10	2.19	<1	21	97	108	3.56	<10	1.23	421	<1	0.24	15	880	<2	20	<20	127	<50	0.30	<10	147	<10	23	47
16	HEN94:DR 38	<5	<2	4.78	25	140	<5	2.80	1	20	92	93	3.79	<10	1.15	533	<1	0.16	22	1770	50	20	<20	138	<50	0.20	<10	133	<10	19	34
17	HEN94:DR 39	<5	<2	> 15	<5	195	<5	3.37	<1	20	108	118	3.59	<10	0.97	451	<1	0.22	24	690	<2	15	<20	175	<50	0.23	<10	140	<10	19	45
18	HEN94:DR 40	<5	0.2	> 15	<5	245	<5	2.37	<1	20	92	129	3.43	<10	1.16	374	<1	0.23	24	480	<2	15	<20	156	<50	0.21	<10	128	<10	18	50
19	HEN94:DR 41	<5	<2	> 15	<5	630	<5	1.86	<1	18	92	124	2.65	<10	1.33	150	<1	0.23	12	490	<2	20	<20	178	<50	0.21	<10	126	<10	16	35
20	HEN94:DR 42	<5	<2	> 15	<5	195	<5	2.62	<1	18	80	121	2.95	<10	0.80	307	<1	0.22	15	450	<2	15	<20	127	<50	0.19	<10	106	<10	16	36
21	HEN94:DR 43	<5	<2	> 15	<5	245	5	3.96	<1	25	102	140	4.54	<10	0.98	398	<1	0.27	29	890	<2	15	<20	210	<50	0.28	<10	171	<10	22	55
22	HEN94:DR 44	<5	<2	> 15	<5	205	<5	3.13	<1	19	84	144	3.74	<10	1.11	371	<1	0.18	16	640	<2	10	<20	142	<50	0.24	<10	141	<10	19	37
23	HEN94:DR 45	<5	0.4	4.63	5	110	<5	3.25	<1	18	64	98	2.81	<10	0.57	286	<1	0.21	24	1210	50	15	<20	140	<50	0.19	<10	93	<10	16	35
24	HEN94:DR 46	<5	<2	> 15	<5	235	<5	3.80	<1	25	95	171	4.27	<10	1.37	418	<1	0.26	22	680	<2	15	<20	147	<50	0.23	<10	177	<10	19	49
25	HEN94:CR 3	<5	<2	3.36	5	575	10	0.93	<1	33	45	137	5.46	<10	2.05	511	<1	0.10	20	970	32	25	<20	73	<50	0.35	<10	222	<10	21	60
26	HEN94:CR 4	<5	<2	2.77	20	480	10	0.95	<1	32	51	169	4.83	<10	1.84	468	<1	0.08	20	1080	30	15	<20	80	<50	0.34	<10	199	<10	22	49
27	HEN94:CR 5	<5	<2	3.22	175	305	5	1.07	4	34	42	141	5.28	<10	2.22	677	<1	0.08	24	1180	26	25	<20	110	<50	0.34	<10	237	<10	24	54
28	HEN94:CR 6	<5	<2	2.48	20	200	10	0.94	1	33	37	168	5.42	<10	2.04	521	<1	0.04	28	1100	26	25	<20	40	<50	0.33	<10	238	<10	26	60
29	HEN94:CR 7	<5	<2	2.32	10	405	10	0.71	<1	32	42	146	4.97	<10	1.79	494	<1	0.04	19	1020	30	15	<20	58	<50	0.36	<10	208	<10	26	57
30	HEN94:CR 8	<5	<2	2.48	10	430	10	0.82	<1	31	40	158	5.43	<10	1.83	563	<1	0.03	17	1350	26	15	<20	24	<50	0.38	<10	215	<10	29	64

Et #.	Tag #	Au (ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Te	Tl %	U	V	W	Y	Zn
31	HEN94:CR 9	<5	<2	2.16	35	380	5	1.67	1	29	64	131	4.19	<10	1.44	414	<1	0.08	23	1070	26	20	<20	61	<50	0.30	<10	150	<10	22	48
32	HEN94:CR 10	<5	<2	1.50	10	495	10	0.56	<1	23	37	135	3.29	<10	1.18	241	<1	0.04	13	1310	16	20	<20	17	<50	0.31	<10	150	<10	24	38
33	HEN94:CR 11	<5	<2	1.46	5	345	5	0.78	<1	22	40	94	3.18	<10	1.10	273	<1	0.05	16	1100	18	20	<20	22	<50	0.26	<10	118	<10	19	40
34	HEN94:CR 12	<5	<2	1.35	10	235	5	0.88	1	24	39	121	3.30	<10	1.06	247	<1	0.06	20	1200	20	20	<20	29	<50	0.25	<10	129	<10	19	50
35	HEN94:CR 13	<5	<2	1.78	40	600	15	0.63	<1	21	99	72	3.75	<10	1.08	344	<1	0.07	15	1070	22	10	<20	20	<50	0.33	<10	132	<10	24	51
36	HEN94:CR 14	<5	<2	2.41	<5	65	<5	1.80	<1	17	57	136	2.86	<10	0.34	271	<1	0.15	16	990	32	10	<20	64	<50	0.18	<10	78	<10	15	36
37	HEN94:CR 15	<5	<2	1.92	<5	100	10	1.25	<1	18	91	100	3.41	<10	0.52	361	<1	0.10	18	1130	20	10	<20	38	<50	0.28	<10	132	<10	23	47
38	HEN94:CR 16	<5	<2	2.74	<5	305	10	1.29	<1	18	64	79	3.22	<10	0.87	285	<1	0.22	16	1080	28	15	<20	86	<50	0.28	<10	123	<10	21	44
39	HEN94:CR 17	<5	<2	2.18	<5	190	10	1.18	<1	20	96	93	3.40	<10	0.90	360	<1	0.12	16	1070	28	15	<20	78	<50	0.30	<10	122	<10	22	46
40	HEN94:CR 18	<5	<2	2.92	<5	370	5	1.25	<1	22	119	135	3.57	<10	1.30	309	<1	0.15	24	1130	38	20	<20	103	<50	0.26	<10	144	<10	20	49
41	HEN94:CR 19	<5	<2	3.19	45	520	5	1.75	1	18	100	84	2.59	<10	1.14	348	<1	0.16	21	1440	36	20	<20	172	<50	0.20	<10	107	<10	16	33
42	HEN94:CR 20	<5	<2	3.42	<5	570	10	1.03	<1	21	110	129	3.26	<10	1.67	180	<1	0.16	20	1090	40	15	<20	103	<50	0.26	<10	142	<10	18	44
43	HEN94:CR 21	30	<2	> 15	<5	250	<5	3.16	1	22	93	161	3.70	<10	1.10	451	<1	0.21	25	500	<2	20	<20	142	<50	0.20	<10	130	<10	18	35
44	HEN94:CR 22	25	<2	> 15	<5	245	<5	3.79	1	22	98	175	3.54	<10	0.91	433	<1	0.20	22	630	<2	15	<20	224	<50	0.19	<10	122	<10	17	28
45	HEN94:CR 23	25	<2	4.86	25	235	<5	2.93	<1	22	102	119	3.39	<10	1.06	612	<1	0.16	25	1740	54	20	<20	175	<50	0.21	<10	124	<10	18	37
46	HEN94:CR 24	20	0.2	> 15	<5	190	<5	2.90	1	14	88	94	2.26	<10	0.88	344	<1	0.10	49	810	<2	20	<20	149	<50	0.16	<10	76	<10	16	27

**QC DATA:**

**Repeat:**

1	HEN94:DR 23	<2	3.34	25	610	10	1.60	1	29	41	113	4.48	<10	2.04	575	<1	0.15	18	950	38	20	<20	112	<50	0.26	<10	158	<10	17	55
39	HEN94:CR 17	<2	2.28	<5	200	10	1.21	<1	21	111	97	3.52	<10	0.94	372	<1	0.13	16	1090	26	15	<20	82	<50	0.30	<10	127	<10	22	47

**Standard 1991:**

1.4	1.76	55	145	<5	1.59	2	18	54	79	3.76	<10	0.85	609	<1	0.02	24	610	56	10	<20	47	<50	0.11	<10	73	<10	10	71
1.4	1.86	55	150	<5	1.61	2	18	54	86	3.79	<10	0.90	626	<1	0.02	24	600	26	15	<20	53	<50	0.11	<10	75	<10	11	67



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**CERTIFICATE OF ANALYSIS ETK 94-749**

**PIONEER METALS CORPORATION**  
1770-401 W. Georgia Street  
VANCOUVER, B.C.  
V6B 5A1

22-Sep-94


ATTENTION: David Dunn

12 ROCK samples received September 17, 1994  
**Shipment #: 11**  
**Project #: CANIM LAKE: HEN**

<b>ET #.</b>	<b>Description</b>	<b>Au (ppb)</b>
1	Hen 94:DR47	5
2	Hen 94:DR48	10
3	Hen 94:DR49	10
4	Hen 94:DR50	>1000
5	Hen 94:DR51	>1000
6	Hen 94:DR52	50
7	Hen 94:DR53	80
8	Hen 94:DR54	115
9	Hen 94:DR55	110
10	Hen 94:CR25	55
11	Hen 94:CR26	20
12	Hen 94:CR27	360

cc:Dave Ridley

XLS/Pioneer

  
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## CERTIFICATE OF ASSAY ETK 94-749

PIONEER METALS CORPORATION  
1770-401 W. Georgia Street  
VANCOUVER, B.C.  
V6B 5A1

23-Sep-94

ATTENTION: David Dunn

12 ROCK samples received September 15, 1994


Shipment #: 11

Project #: CANIM LAKE: HEN

ET #.	Description	Au (g/t)	Au (oz/t)
4	Hen 94:DR50	3.23	0.094
5	Hen 94:DR51	5.21	0.152

cc:Dave Ridley

XLS/Pioneer

  
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B.C. Certified Assayer



22-Sep-94

**ECHO-TECK LABORATORIES LTD.**  
 10041 East Trans Canada Highway  
 KAMLOOPS, B.C.  
 V2C 2J3

Phone: 604-573-5700  
 Fax : 604-573-4557

**PIONEER METALS CORPORATION ETK 94-749**  
 1770-401 W. Georgia Street  
 VANCOUVER, B.C.  
 V6B 5A1

ATTENTION: David Dunn

12 ROCK samples received September 17, 1994  
 Sample Run Date: 23 September, 1994  
 Shipment #: 11  
 Project #: CANIM LAKE: HEN

Values in ppm unless otherwise reported

Et #.	Tag #	Au (ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
1	Hen 94:DR47	5	<.2	2.97	55	400	15	0.93	<1	36	60	115	5.34	<10	2.24	578	<1	0.09	24	1090	28	25	<20	68	0.39	<10	213	<10	<1	69
2	Hen 94:DR48	10	<.2	4.47	60	260	15	2.15	<1	36	57	104	5.36	<10	2.16	556	<1	0.19	25	920	26	25	<20	174	0.33	<10	219	<10	<1	68
3	Hen 94:DR49	10	<.2	2.54	135	135	<5	1.66	1	34	98	147	4.62	<10	1.22	373	<1	0.12	38	1210	18	20	<20	125	0.28	<10	170	<10	<1	57
4	Hen 94:DR50	>1000	0.8	1.91	3490	205	5	> 15	26	20	54	67	2.44	<10	0.85	457	<1	0.02	37	870	8	35	<20	1840	0.08	<10	54	<10	<1	22
5	Hen 94:DR51	>1000	0.8	1.67	6055	85	<5	> 15	46	26	73	88	1.91	<10	0.45	396	<1	0.02	46	980	10	35	<20	1787	0.07	<10	58	<10	<1	17
6	Hen 94:DR52	50	<.2	1.99	110	165	<5	1.72	<1	25	77	129	4.37	<10	1.11	493	<1	0.05	20	980	16	20	<20	56	0.31	<10	132	<10	4	74
7	Hen 94:DR53	80	<.2	1.93	95	360	<5	1.08	<1	30	67	146	3.91	<10	1.12	283	<1	0.07	41	1270	14	15	<20	87	0.39	<10	137	<10	<1	53
8	Hen 94:DR54	115	0.4	4.90	85	155	<5	11.50	<1	23	58	103	2.22	<10	0.50	518	<1	0.29	21	1070	28	15	<20	616	0.13	<10	55	<10	2	20
9	Hen 94:DR55	110	1.0	2.51	135	80	<5	> 15	2	15	32	80	2.18	<10	0.51	2205	<1	0.14	13	770	20	15	<20	709	0.09	<10	51	<10	1	25
10	Hen 94:CR25	55	<.2	2.88	235	145	<5	2.37	3	24	66	118	3.93	<10	0.93	798	<1	0.14	21	1020	24	15	<20	124	0.24	<10	114	<10	2	67
11	Hen 94:CR26	20	<.2	2.89	110	380	<5	1.59	<1	30	74	151	4.12	<10	1.38	391	<1	0.13	24	1270	20	25	<20	87	0.33	<10	173	<10	<1	52
12	Hen 94:CR27	360	<.2	3.75	315	195	<5	2.75	2	32	83	189	4.20	<10	1.07	325	<1	0.19	32	1030	26	25	<20	339	0.26	<10	140	<10	<1	42

**QC/DATA:**


**Repeat:**

1	Hen 94:DR47		<.2	2.93	45	405	15	0.96	1	36	60	112	5.37	<10	2.24	581	<1	0.09	25	1100	30	20	<20	72	0.39	<10	214	<10	<1	71
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**Standard**

		1.2	1.80	80	170	<5	1.81	1	20	63	88	4.14	<10	0.98	682	<1	0.02	28	690	22	10	<20	59	0.12	<10	80	<10	6	81
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**CERTIFICATE OF ASSAY ETK 94-873**

**PIONEER METALS CORPORATION**  
1770-401 W. Georgia Street  
VANCOUVER, B.C.  
V6B 5A1

27-Oct-94

ATTENTION: David Dunn

24 ROCK samples received October 20, 1994  
Shipment #: 1  
Project #: CANIM LAKE

ET #.	Tag #	Au (g/t)	Au (oz/t)
1	126601	4.23	0.123
2	126602	0.68	0.020
3	126603	<.03	<.001
4	126604	<.03	<.001
5	126605	<.03	<.001
6	126606	0.08	0.002
7	126607	<.03	<.001
8	126608	<.03	<.001
9	126609	<.03	<.001
10	126610	0.06	0.002
11	126611	<.03	<.001
12	126612	<.03	<.001
13	126613	0.03	0.001
14	126614	0.05	0.001
15	126615	<.03	<.001
16	126616	<.03	<.001
17	126617	0.04	0.001
18	126618	0.06	0.002
19	126619	0.08	0.002
20	126620	<.03	<.001
21	126621	0.03	0.001
22	126622	0.06	0.002
23	126623	0.04	0.001
24	126624	0.05	0.001
25	126625	<.03	<.001
26	126626	0.03	0.001
27	126627	<.03	<.001

**QC DATA:**

**Repeat:**

1	126627	4.44	0.129
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cc: Dave Ridley  
XLS/Pioneer

  
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**CERTIFICATE OF ASSAY ETK 94-938**


PIONEER METALS CORPORATION  
1770-401 W. Georgia Street  
VANCOUVER, B.C.  
V6B 5A1

15-Nov-94

ATTENTION: David Dunn

9 REJECT samples received November 9, 1994

ET #.	Tag #	<i>Metallics</i>	
		Au (g/t)	Au (oz/t)
1	126628	0.07	0.002
2	126629	1.44	0.042
3	126630	0.34	0.010
4	126631	1.00	0.029
5	126632	0.01	0.000
6	126633	0.01	0.000
7	126634	0.01	0.000
8	126635	0.87	0.025
9	126636	1.02	0.030

  
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27-Oct-94

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PIONEER METALS CORPORATION ETK 94-873  
1770-401 W. Georgia Street  
VANCOUVER, B.C.  
V6B 5A1

ATTENTION: David Dunn

27 ROCK samples received October 20, 1994  
Sample Run Date: October 25, 1994  
Shipment #: 1  
Project #: CANIM LAKE

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	126601	1.0	0.59	3340	55	<5	> 15	3	12	23	50	0.77	<10	0.27	407	<1	<0.01	30	490	12	25	<20	2802	0.02	10	14	<10	<1	13
2	126602	<.2	2.07	1615	120	<5	10.10	1	22	61	91	2.30	<10	0.77	384	<1	0.08	29	770	12	30	<20	865	0.13	<10	84	<10	2	25
3	126603	<.2	2.29	30	260	<5	2.06	<1	22	90	164	3.63	<10	1.01	354	<1	0.09	15	1180	14	15	<20	136	0.33	<10	132	<10	6	49
4	126604	<.2	3.10	55	40	<5	4.00	<1	28	49	161	4.81	<10	1.04	652	<1	0.02	21	1200	16	20	<20	36	0.21	<10	158	<10	6	64
5	126605	<.2	2.60	55	125	<5	1.42	<1	28	104	166	4.32	<10	1.30	368	<1	0.14	25	1020	14	20	<20	80	0.38	<10	166	<10	8	62
6	126606	3.4	3.01	1405	65	<5	1.73	2	29	109	233	5.24	<10	1.27	933	<1	0.21	26	700	22	30	<20	172	0.25	10	149	<10	2	70
7	126607	0.6	2.73	270	70	<5	1.61	2	28	93	138	5.70	<10	1.45	1095	27	0.15	35	830	20	25	<20	111	0.31	10	213	<10	5	94
8	126608	<.2	3.12	235	145	<5	3.04	2	29	106	103	3.41	<10	1.01	293	<1	0.19	45	1130	18	25	<20	248	0.24	<10	114	<10	5	60
9	126609	<.2	3.04	130	255	<5	3.00	<1	29	106	147	3.41	<10	1.20	285	<1	0.14	39	1110	18	25	<20	190	0.29	<10	127	<10	5	41
10	126610	0.2	4.98	220	105	<5	4.56	<1	27	108	156	4.54	<10	1.41	733	<1	0.27	23	820	24	25	<20	288	0.28	<10	154	<10	5	56
11	126611	<.2	2.43	70	150	<5	1.43	<1	31	103	171	4.64	<10	1.64	398	<1	0.10	27	860	12	25	<20	88	0.37	10	187	<10	4	50
12	126612	<.2	2.13	20	395	5	1.67	<1	29	82	144	4.42	<10	1.59	380	<1	0.06	24	1020	12	20	<20	71	0.41	10	180	<10	5	49
13	126613	<.2	3.77	75	105	<5	3.15	<1	28	85	152	3.86	<10	1.16	365	<1	0.14	36	1070	18	35	<20	167	0.27	<10	146	<10	3	43
14	126614	<.2	3.25	245	155	<5	2.52	<1	43	187	208	4.04	<10	1.37	230	<1	0.11	102	1510	20	20	<20	269	0.25	<10	136	<10	2	43
15	126615	<.2	1.86	15	460	<5	1.46	<1	25	74	149	3.49	<10	1.50	259	<1	0.07	21	1360	10	25	<20	57	0.31	<10	162	<10	6	41
16	126616	<.2	2.67	30	200	<5	2.34	<1	37	104	216	5.76	<10	2.27	519	<1	0.06	34	1030	10	25	<20	107	0.45	<10	243	<10	7	62
17	126617	<.2	1.43	450	70	<5	2.63	1	30	58	236	5.56	<10	1.10	413	6	0.07	28	1280	8	20	<20	93	0.23	10	156	<10	2	54
18	126618	0.4	0.44	100	35	<5	3.29	13	30	48	217	5.73	<10	0.29	210	122	0.04	64	1460	38	35	<20	51	0.15	20	142	<10	4	343
19	126619	<.2	0.67	40	45	<5	5.53	5	26	48	140	4.95	<10	0.45	304	100	0.05	50	1230	6	30	<20	80	0.15	<10	116	<10	3	142
20	126620	<.2	2.47	10	195	10	1.88	<1	28	47	111	5.73	<10	2.04	642	8	0.04	17	1000	10	25	<20	53	0.37	<10	209	<10	6	64
21	126621	<.2	2.32	25	135	<5	2.05	<1	30	46	138	6.04	<10	2.18	634	1	0.04	17	1090	10	25	<20	66	0.38	20	229	20	6	65
22	126622	<.2	0.85	30	45	<5	4.85	2	29	62	148	6.07	<10	0.82	427	78	0.04	46	1200	6	45	<20	56	0.16	10	138	<10	2	123
23	126623	<.2	1.01	50	50	<5	4.98	5	25	69	152	4.84	<10	0.59	359	101	0.07	49	1400	8	55	<20	80	0.16	10	161	<10	3	181
24	126624	<.2	1.98	60	125	<5	5.12	<1	26	51	103	4.57	<10	1.21	383	<1	0.07	23	880	6	25	<20	124	0.32	<10	183	<10	6	59
25	126625	<.2	1.86	55	95	5	5.14	1	25	63	121	4.46	<10	0.97	320	29	0.10	31	1020	10	30	<20	127	0.25	<10	185	<10	5	63

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	126626	<2	1.44	25	75	<5	2.88	5	26	61	144	5.03	<10	0.86	237	53	0.08	42	1200	10	35	<20	68	0.25	<10	195	<10	6	150
27	126627	<2	2.14	95	110	<5	5.84	1	30	54	141	5.13	<10	1.00	604	38	0.09	34	1070	12	20	<20	176	0.21	<10	148	<10	3	78

**QC/DATA:**


**Repeat:**

1	126601	1.0	0.70	3400	60	<5	> 15	3	15	26	53	0.90	<10	0.32	420	<1	<.01	35	520	12	20	<20	2962	0.02	<10	17	<10	<1	11
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**Standard**

		1.2	1.78	75	165	<5	1.89	<1	19	62	82	4.03	<10	0.91	696	<1	0.02	24	680	22	15	<20	60	0.11	<10	80	<10	4	69
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XLS/Pioneer  
df/862

  
**ECO-TECH LABORATORIES LTD.**  
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 B.C. Certified Assayer



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**SMITHERS LAB.:**  
3176 TATLOW ROAD  
SMITHERS, B.C. CANADA V0J 2N0  
TELEPHONE (604) 847-3004  
FAX (604) 847-3005

Assay Certificate

4V-1091-RA1

Company: **PIONEER METALS CORP**  
Project: **HEM**  
Attn: **David Dunn**

Date: **OCT-25-94**  
Copy 1. Pioneer Metals Corp., Vancouver, B.C.

We hereby certify the following Assay of 7 rock samples submitted OCT-24-94 by D. Dunn.

Sample Number	Au-Fire g/tonne	Au-Fire oz/ton
126628	.01	.001
126629	1.25	.036
126630	.33	.010
126631	.89	.026
126632	.01	.001
126635	.67	.020
126636	.82	.024

Certified by

MIN-EN LABORATORIES





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SMITHERS, B.C. CANADA V0J 2N0  
TELEPHONE (604) 847-3004  
FAX (604) 847-3005

**Metallic Assay Certificate**

**4V-1091-PM1**

Company: **PIONEER METALS CORP**  
Project: **HEM**  
Attn: **David Dunn**

Date: **OCT-28-94**  
Copy 1. Pioneer Metals Corp., Vancouver, B.C.

We hereby certify the following Metallic Assay of 7 pulp samples submitted OCT-24-94 by D. Dunn.

Sample Number	Total		+150 M		Assay Value Au		Total Weight Au		Metallic Au		Net Au	
	Wt (g)	Wt (g)	Wt (g)	Wt (g)	+150 (g/t)	-150 (g/t)	+150 (mg)	-150 (mg)	(oz/ton)	(g/t)	(oz/ton)	(g/t)
126628	252.3	9.00			.20	.04	0.002	0.010	0.000	0.01	0.001	0.05
126629	276.8	11.45			1.20	1.31	0.014	0.348	0.001	0.05	0.038	1.31
126630	244.8	14.67			.29	.36	0.004	0.083	0.001	0.02	0.010	0.36
126631	215.8	21.11			.84	.95	0.018	0.185	0.002	0.08	0.027	0.94
126632	251.6	8.40			.07	.03	0.001	0.007	0.000	0.00	0.001	0.03
126635	300.8	12.50			.53	.71	0.007	0.205	0.001	0.02	0.020	0.70
126636	233.7	27.07			.61	.92	0.017	0.190	0.002	0.07	0.026	0.88

Certified by \_\_\_\_\_

  
MIN-EN LABORATORIES



COMP: PIONEER METALS CORP  
 PROJ: CANIM LK  
 ATTN: D.DUNN

MIN-EN LABS — ICP REPORT  
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2  
 TEL:(604)980-5814 FAX:(604)980-9621

FILE NO: 4v-1109-RJ1+2  
 DATE: 94/11/09  
 \* rock \* (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CU PPM	FE %	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI %	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	Au-Fire PPB
126633	1.5	.86	1	104	171	.8	13	2.60	.1	11	84	3.02	.29	20	1.07	676	3	.06	29	960	27	15	168	1	.20	83.6	56	4	1	8	69	9
126634	1.6	.76	1	1	191	.5	16	2.05	.1	13	78	3.05	.33	20	.94	800	3	.12	30	1250	15	12	164	1	.26	102.2	38	1	1	8	66	4
126637	2.5	1.53	1	1	43	1.7	17	2.69	.1	13	90	4.46	.08	35	2.25	1001	4	.02	35	1030	39	28	88	1	.19	147.8	83	6	1	9	55	6
126638	1.2	.99	1	84	139	.9	17	4.93	.1	10	55	3.10	.18	13	1.18	1710	3	.14	21	1060	32	19	292	1	.21	102.2	37	4	1	7	47	2
126639	1.8	.99	1	1	130	.9	17	2.43	.1	11	85	3.41	.26	26	1.26	639	4	.05	24	1160	25	17	61	1	.25	123.2	62	5	1	9	70	7
126640	1.1	1.01	1	1	180	1.0	20	1.24	.1	12	101	3.94	.66	24	1.51	1850	5	.13	38	1240	30	19	176	2	.26	133.6	113	1	1	10	92	36
126641	2.3	1.04	1	1	118	.3	15	2.59	.1	9	61	2.11	.27	41	.52	254	4	.28	17	1180	18	18	220	1	.23	68.1	31	6	1	7	58	14
126642	2.4	.77	1	86	125	.4	16	2.60	.1	9	57	2.22	.18	27	.59	266	4	.14	17	1090	19	14	142	1	.24	67.5	30	6	1	6	54	11
126643	2.0	.60	1	1	286	.4	16	.99	.1	11	107	2.84	.56	17	.89	241	2	.12	21	1280	14	9	120	1	.26	128.8	39	3	1	7	58	5
126644	3.3	2.56	1	1	84	1.6	23	3.67	.1	14	126	4.33	.98	25	1.78	516	10	.36	31	1090	54	52	634	1	.28	150.9	70	12	1	13	88	66
126645	3.3	1.67	1	1	157	1.1	19	4.49	.1	14	118	3.77	.63	25	1.40	465	8	.29	33	1140	33	36	1809	1	.23	132.8	41	11	1	11	94	254
126646	2.4	.88	1	1	260	.6	18	1.89	.1	13	91	3.59	.73	23	1.24	285	4	.13	22	1020	17	19	413	1	.29	138.1	43	4	1	10	86	21
126647	2.7	1.39	1	1	96	.6	16	4.20	.1	11	73	2.35	.38	20	.89	291	9	.24	78	980	36	36	760	1	.21	86.6	27	10	1	11	105	71
126648	2.4	1.30	1	1	198	.6	16	2.60	.1	13	94	2.62	.48	22	1.17	252	5	.15	107	1060	28	41	480	1	.23	106.7	32	8	1	13	135	67
126649	.6	.08	245	1	6	.3	3	.72	.1	3	46	1.12	.01	2	.28	82	17	.01	25	250	11	4	8	2	.03	9.3	7	5	1	12	249	2
126650	1.3	.70	21	1	93	1.3	8	2.44	.1	9	45	2.56	.14	7	1.40	305	22	.08	44	690	42	13	46	5	.08	86.7	162	7	1	10	139	1
132201	2.2	.51	185	1	122	1.1	9	2.60	.1	9	108	2.97	.14	6	1.36	387	24	.05	51	1450	185	9	32	6	.09	118.4	73	7	1	11	142	1
132202	1.8	.54	122	1	87	.9	10	2.97	.1	7	48	2.26	.13	6	1.35	464	17	.05	39	1630	27	11	48	5	.09	90.0	117	7	1	10	139	2
132203	2.0	.31	269	1	62	.6	7	2.87	.1	4	47	1.45	.08	4	1.06	295	144	.01	22	1410	219	8	34	4	.07	93.4	138	7	1	12	191	1
132204	2.3	.25	274	1	13	.5	12	4.12	.1	8	31	2.72	.02	3	.85	239	80	.02	42	1650	58	6	1	4	.14	85.2	92	8	1	8	104	1
132205	2.3	.83	77	1	61	1.7	13	4.23	.1	8	57	2.54	.18	11	2.28	309	23	.02	45	1780	36	15	124	3	.15	211.7	229	6	1	11	119	3
132206	2.3	.65	38	1	116	1.3	9	5.20	.1	5	41	1.73	.09	7	1.33	293	22	.02	28	2650	33	16	307	5	.07	105.5	115	13	1	8	75	1
132207	2.1	.82	1	1	166	1.5	9	3.86	.1	7	47	2.45	.16	8	1.42	249	27	.06	38	5860	38	18	381	6	.08	159.1	132	9	1	11	116	2
132208	2.5	1.00	1	1	74	1.9	11	4.30	.1	8	52	2.33	.11	6	1.42	257	28	.02	42	3060	54	20	163	5	.11	187.8	185	12	1	11	99	2
132209	2.1	1.02	1	1	163	1.6	9	3.05	.1	7	67	2.53	.62	9	2.70	401	19	.11	45	2230	81	19	237	1	.07	160.9	233	4	1	10	112	1
132210	1.0	.61	1	1	246	1.2	4	.50	.1	6	42	2.11	.52	17	1.09	84	5	.09	42	370	26	10	80	3	.02	33.5	113	6	1	9	151	1
132211	.7	.42	1	1	244	.6	3	.48	.1	3	22	1.04	.27	7	.46	80	6	.07	21	150	16	7	57	1	.02	23.0	1300	2	1	12	248	2
132212	1.4	1.55	1	1	1403	1.4	12	1.38	.1	8	29	2.72	1.51	21	2.41	424	5	.15	27	510	40	28	103	3	.12	70.1	65	5	1	12	169	4
132213	1.6	1.17	1	1	1024	1.2	12	1.42	.1	8	30	3.06	1.37	18	2.55	664	7	.08	29	580	39	22	117	3	.12	74.8	71	5	1	12	176	3
132214	2.8	1.23	1	1	1028	1.3	13	.94	.1	10	52	3.29	1.90	16	2.26	259	5	.11	46	380	34	21	130	3	.14	96.6	96	5	1	14	199	1
132215	1.8	1.08	1	1	946	1.1	10	1.17	.1	8	41	2.83	1.72	22	2.12	202	5	.08	35	330	31	18	95	1	.11	84.2	77	5	1	12	175	3
132216	2.8	.33	320	1	91	.7	8	3.65	.1	5	53	1.71	.50	6	1.30	283	50	.03	67	3330	51	8	254	1	.08	343.5	675	1	1	15	200	2

**APPENDIX B**  
**Sample Descriptions**

# ROCK SAMPLE SHEET

Dr (1) of (6)

Sampler D. Ridley  
Date May-June 194

Property HEN

NTS 93A/2

SAMPLE NO.	Sample Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS				
		Rock Type	Alteration	Mineralization		ppm Au	Ag	% Cu	Cu	Sb
HEN 94 DR1	F	volcanic sediment	carbonate veinlets + blebs	up to 5% po-py hornfelsed	≈ 25 m E of BL50E; 56+25N: on skid road. very angular.	5	10	2.0	87	<5
HEN 94 DR2	F	f-grained andesite	silica biotite?	3-4% pyrrhotite	@ L53N; 52+25E: very angular: from roots of blown-down tree:	5	<5	0.6	164	<5
HEN 94 DR3	F	"	hornfels	up to 10% py-po	west side: ≈ 25 m S of HEN 93 CR5 probable subcrop.	5	<5	2.4	86	5
HEN 94 DR4	F	"	hornfels calcite veining	up to 7% py-po	15 m N of DR3: as DR3 but with calcite stringers 067° to trenching on 6300 road: subcrop	5	<5	3.8	77	10
HEN 94 DR5	F	feldspar porphyry	hornfels	" " trace cpy	@ HEN 93 CS14: subcrop?? fair bit lying around	5	<5	5.3	79	5
HEN 94 DR6	1m	pyroxene porphyry basalt	calcite stringers	trace pyrite	@ 3960' on bearing 060° to trenching on 6300 road:	5	50	5.2	232	15
HEN 94 DR7	F	"	"	1% pyrite	@ 4000': just north of CS14 creek (HEN 94 DS7)	5	<5	3.7	169	25
HEN 94 DR8	2m	"	" spotty limonite	no visible sulphides	Anomaly Creek @ 3780' (H2150): shear @ 172/80E outcrop at least 7m long. South side	5	250	4.0	120	20
HEN 94 DR9	1m	basalt	carbonate	trace py-cpy	Anomaly Cr. @ 3840' (3140) main fractures trend 094/60N. South side.	5	30	3.4	129	10
HEN 94 DR10	70cm	basaltic tuff?	bleached + carbonate	up to 3% pyrite	Anomaly Cr @ 3850' (3150) ≈ 3 m downslope from HEN 92 DR1: South side	5	<5	2.7	519	15
HEN 94 DR11	20cm	"	albite? chlorite carbonate	semi-massive py trace cpy	Anomaly Cr. @ 3740' (5115): North side; walls appear brecciated: abundant chlorite alter. zone appears to trend along creek; @ creek level	5	<5	1.3	1109	<5
HEN 94 DR12	1m	altered basalt?	bleached carbonate K-spar?	trace pyrite	wallrocks to DR11: major fractures trend 174/80E	5	<5	5.1	53	10
HEN 94 DR13	30cm	shear zone	clay limonite	no visible sulphides	Anomaly Cr. @ 4000' (6110): with qtz breccia frags; trends 170/40E. South side. @ 6120 hornblende porphyry dyke?	5	25	0.4	71	<5
HEN 94 DR14	1m	sheared andesite	limonite chlorite	up to 10% py trace cpy	Anomaly Cr. @ 4000' (6140): resample of HEN 92 DR2: N side: hornblende porphyry outcrop on South side of creek.	5	<5	1.1	1271	<5
HEN 94 DR15	F	hornfels tuff	carbonate hornfels	up to 7% pyrite	edge of fireguard in 1st upper clearcut near L52N.	15	<5	1.0	85	<5

**C-CHIP G-GRAB F-FLOAT**

# ROCK SAMPLE SHEET

K<sub>2</sub> (2) - f/61

Sampler D. Ridley  
Date July 1994

Property HEN

NTS 93A/2

SAMPLE NO.	Sample Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS				
		Rock Type	Alteration	Mineralization		Au	As	Ca	Cu	Sb
HEN 94 DR 16	F	f-grained volcanic	garnet stringers	up to 3% pyrrhotite	≈ 10m SSE of L54N: 52150E: fairly angular float.	5	35	47	110	<5
HEN 94 DR 17	F	volcanic conglomerate	limonite	up to 15% pyrite	≈ 65 m S of DR 16 on fire guard: non-magnetic	5	50	2.9	148	<5
HEN 94 DR 18	F	basaltic tuff	limonite hornfels carbonate veining	1-2% pyrite trace cpy.	≈ 30m S. of DR 17 on fireguard:	10	95	3.2	176	<5
HEN 94 DR 19	F	volcanic sediment?	hornfels limonite	up to 2% pyrite trace cpy??	SW corner of landing in upper clearcut near break in slope: (≈ 40m N to L53N).	10	18/10	5.0	196	15
HEN 94 DR 20	G	" "	" "	trace pyrite	11m south of L55N: 46125E: along top of small ridge: poorly exposed.	5	45	5.8	105	<5
HEN 94 DR 21	F	volcanic conglomerate	limonite	up to 5% pyrite	edge of 2 <sup>nd</sup> upper clearcut ≈ 20m E of L53N: 57175E. large boulder of granite pegmatite with garnets nearby.	5	15	3.4	134	<5
HEN 94 DR 22	F	andesite	"	up to 7% f-grain pyrite	in creek 10 m N of L53N: 57150E: partially rounded float indicative of washing down creek some distance.	5	35	1.1	75	<5
HEN 94 DR 23	1m	hornfels volcanic tuff	hornfels minor carb	1% disem pyrrh	Trench B: 30 → 29 m:	5	30	1.6	115	20
HEN 94 DR 24	2m	"	"	none visible	Trench C: filled in after sampling.	5	45	0.4	92	15
HEN 94 DR 25	F	andesitic breccia	hornfels	up to 3% pyrrh.	Trench C: large boulder in bottom of trench.	5	45	0.7	113	10
HEN 94 DR 26	2m	volcanic tuff	hornfels carb altered + veining	up to 3% pyrrh. trace cpy.	Trench B: cont. to N from DR 23	5	45	1.0	183	20
HEN 94 DR 27	1.5 m.	"	"	1% pyrrh. 3% PY.	Trench B: @ 25 m:	<5	<5	0.6	170	25
HEN 94 DR 28	1m	highly altered tuff?	biotite? clay?	no visible sulphides	Trench B: beside (N) DR 27: highly altered, soft, friable matrix with occasional hard angular fragments of tuff with 1-3% pyrrh-py.	<5	35	0.9	141	25
HEN 94 DR 29	2m	"	"	1-3% pyrrh tr cpy-py	Trench B: beside (N) DR 28: as DR 28.	<5	45	0.7	173	20
HEN 94 DR 30	2m	"	"	"	Trench B: as DR 29: fractures + trend 042/85N	<5	15	0.8	110	25

C-CHIP G-GRAB F-FLOAT

# ROCK SAMPLE SHEET

Kg ③ f ⑥

Sampler D. Ridley

Date July-Sept. 194

Property HEN

NTS 93A/2E+W

SAMPLE NO.	Sample Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS				
		Rock Type	Alteration	Mineralization		Au	As	Ca	Cu	Sb
HEN 94 DR 31	2m	altered tuff	biotite and/or clay	no visible sulphides	Trench B: beside DR30: as DR30:	<5	5	0.5	147	15
HEN 94 DR 32	2m	"	"	minor pyrrh	Trench B: beside DR31:	<5	<5	0.8	135	20
HEN 94 DR 33	2m	"	hornfels minor carb veining	" "	Trench A: 10.5 m on bearing 137° to 93D4, 4A, 4B soil samples.	<5	10	0.8	69	15
HEN 94 DR 34	2m	"	"	trace py-cpy	Trench A: carb stringers trend 080/75N <del>strongest</del>	<5	10	0.7	109	15
HEN 94 DR 35	2.5m	"	"	trace pyrrh	Trench D: @ 42m: highly sheared + fractured strongest set @ 106/55N.	<5	<5	2.2	107	20
HEN 94 DR 36	2.5 m	"	"	"	Trench D: as DR 35 but more carb veining: beside + N of DR 35: trend 140/80NE.	<5	<5	1.5	106	20
HEN 94 DR 37	2.5 m	"	"	"	Trench D: as DR 36: highly fractured + broken	<5	<5	2.1	108	20
HEN 94 DR 38	2.5 m	argillite?	hornfels	minor pyrrh (very f-grain) trace cpy.	Trench D: con't to N from DR37:	<5	25	2.8	93	20
HEN 94 DR 39	2.5 m	"	"	"	Trench D: con't to N from DR38: strongest fractures @ 106/75N:	<5	<5	3.3	118	15
HEN 94 DR 40	3 m	"	"	"	Trench D: adjoins CR20 to N.	<5	<5	2.3	129	15
HEN 94 DR 41	3 m	tuff	hornfels	pyrrh to 1% (very f-grained)	Trench D: @ forks (55m): poorly exposed:	<5	<5	1.8	124	20
HEN 94 DR 42	3 m	"	"	"	Trench D: as DR 41: con't S from DR 41	<5	<5	2.6	121	15
HEN 94 DR 43	3 m	"	"	"	Trench D: con't S from DR43: mottled texture due to carb veinlets + disseminations slightly magnetic.	<5	<5	3.9	140	15
HEN 94 DR 44	2m	"	"	"	Trench D: con't S from DR44: as DR44	<5	<5	3.1	144	10
HEN 94 DR 45	2.4 m	"	"	trace py up to 2% pyrrh	Trench D: last rock sample in trench rest is blue clay + water.	<5	5	3.2	98	15

C-CHIP G-GRAB F-FLOAT

DOC SAMPLE SHEET

P<sub>3</sub> ① ②

Sampler D. Ridley  
Date Sept. 194

Property HEN

NTS 93A/2E+W

SAMPLE NO.	Sample Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS				
		Rock Type	Alteration	Mineralization		Au	As	Ca	Cu	Sb
HEN 94 DR 46	F	altered tuff	hornfels carbonate	1-3% pyrrh. minor py trace cpy.	Trench D: angular float dug from sand beyond DR 45.	<5	<5	3.8	171	15
HEN 94 DR 47	1.7 m	"	hornfels biotite clay	minor pyrrh.	Trench B extension (Sept.): @ CR 3: structure trends 105/68NE	5	55	0.9	115	25
HEN 94 DR 48	80 cm	"	"	1-2% f-grained pyrrh	Trench B extension (Sept.): con't N from DR 47:	10	60	2.1	104	25
HEN 94 DR 49	1.2 m	"	dolomite? veining (green colour)	minor pyrrh.	Trench B extension (Sept.): con't N from DR 48. footwall of crystalline calcite zone. structure trends 105/70N.	10	135	1.6	147	20
HEN 94 DR 50	1.3 m	recrystallized limestone?	calcite K-spar	1-5% f-grain pyrrh. up to 3% arsenopy.	Trench B extension (Sept.): con't N from DR 49. true width 1.1 m: zone is well-defined + trends 106/70N.	3.2 3/4	34 20	>15	67	35
HEN 94 DR 51	80 cm	"	"	"	Trench B extension (Sept.): con't N from DR 50: relatively strong foliation @ 105/65N: well-defined zone. joins CR 27 to N.	5.2 3/4	60 55	>15	88	35
HEN 94 DR 52	3.5 m	basalt	hornfels dolomite? stringers	minor to trace pyrrh.	Trench B extension (Sept.): joins + con't to N from CR 25: small 10cm wide zones of fault gouge @ 165/25E + 062/80N.	50	110	1.7	129	20
HEN 94 DR 53	3 m	"	hornfels	minor pyrrh.	Trench B extension (Sept.) con't to N from DR 52 to end of outcrop in trench: strong fractures @ 013/85E.	80	95	1.0	146	15
HEN 94 DR 54	F	skarn	calcite K-spar diopside?	up to 5% pyrrh.	Trench B extension (Sept.) possible subcrop @ end (N) of trench.	115	85	11.5	108	15
HEN 94 DR 55	F	"	"	"	Trench B extension (Sept.) beside DR 54: as DR 54.	110	135	>15	80	15

C-CHIP G-GRAB F-FLOAT

ROCK SAMPLE SHEET

P = (5) int (6)

Sampler C.J. RIDLEY  
Date 1994

Property HEN

NTS 93A/2E+W

prefix on all R#

TR B

TRA

SAMPLE NO.	Sample Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS				
		Rock Type	Alteration	Mineralization		Au	As	Ca	Cu	Sb
HEN 94 CR 1-A	sub crop	fld spr Porphyry	—	minor Py trace CPY	- on rough 240° bearing from c31 - elev. 3675' - 318°/62° S taken on sc below subcrop * (V: 234 ppm) * (Zn: 604 ppm)	<.2	135	2.2	144	25
CR 2-A	sub crop	gabbro	K-spar	minor Py	- same bearing @ 3724' elev.	<.2	10	3.2	177	18
CR 1	sub crop	hornfels	limonite carb alt.	minor Py	- W. side clt ct (grid) on N. side of E/W trend. gully - comp. sample * (Ni: 173 ppm / Sn: 280 ppm)	10	60	4.6	180	18
CR 2	sub crop?	hornfels tuff	limonite carb.	minor Py	- on xposed bank above road 50m. E of turn clt ct. - cobbles: below sm. (.5m wide) shear-trend 086° - rusty-weathered? yellow stained, blue-grey? sed.	5	<5	1.2	131	<5
CR 3	1.6m	tuff	shear	minor Py	- shear 070°/80° S		5	.95	137	25
CR 4	2m 1.6m	tuff	hornfels shear	minor Py ? trace AsPy	- shear		20	.95	169	19
CR 5	2m	tuff	"	"	- shear		175	1.1	141	25
CR 6	2m.	tuff	"	Py: trace AsPy	- shear		20	.94	168	25
CR 7	2m.	"	calcite	Py & Pyrrh	- shear		10	.71	146	15
CR 8	1m.	tuff	hornfels	minor sulphides	- shear		10	.82	158	15
CR 9	1m.	tuff	hornfels calcite	"	- mottled appearance		35	1.7	131	20
CR 10	2m.	tuff	argillic	"	- calcite veining		10	.56	135	20
CR 11	2m.	tuff	carbonate	minor sulphide	- sheared		5	.78	94	24
CR 12	.5m	tuff	hornfels carbonate	minor sulphide	- between DR 30 + 31 - vuggy		10	.88	121	20
CR 13	2m	tuff	hornfels carbonate	"	- 074°/72° S.E.		40	.63	72	10

C-CHIP G-GRAB F-FLOAT

ROCK SAMPLE SHEET

Pa (1.1 of 16)

Sampler C. J. RIDLEY  
Date 1994

Property HEN

NTS 93A/2EIN

TRD  
Begin @ 0m

SAMPLE NO.	Sample Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS				
		Rock Type	Alteration	Mineralization		Au	Ag	Co	Cu	S
HEN 94 CR14	2.5m	tuff	hornfels carbonate	sporadic Py + Pyrrh	@ start of TRENCH D. - 0m → 2.5m	<5	<5	1.8	136	1
CR15	1.5m	mottled tuff	hornfels carbonate		- adj. to CR14 - 2.5m → 4.0m - 020°/50°E	<5	<5	1.3	100	1
CR16	2.5m	tuff	hornfels		- adj. to CR15 - 4.0m → 6.5m - dog RZ	<5	<5	1.3	79	15
CR17	2.5m	tuff	hornfels carbonate		- adjoins DR 37 - 106°/62°S	<5	<5	1.2	93	15
CR18	3m	tuff	hornfels carbonate	minor sulphide	- adj. to DR 35 - sporadic mottling	<5	<5	1.3	135	2
CR19	2m	tuff	hornfels carbonate		- adj. to CR18 - mottled appear.	<5	<5	1.8	84	20
CR20	1.5m	tuff	"		- highly altered - adj. to DR 40	<5	<5	1.0	129	15
CR21	4m	tuff	hornfels carbonate	Py: Pyrrh ± CrY	- adj. to DR 35 - calcite rich - mottled	30	<5	3.2	161	2
CR22	45cm	tuff	hornfels carbonate	CrY: Pyrrh ± Py	- calcite rich - uugs - mid way CR21	25	<5	3.8	175	4
CR23	4m	tuff	hornfels carbonate	CrY: Pyrrh ± Py	- calcite rich	25	25	2.9	119	2
CR24	40cm	tuff	hornfels carbonate	72% Sulphides	- calcite rich - mottled	20	<5	2.9	94	2
(TR. B EXT.) CR25	2.5m	tuff	hornfels carbonate	sporadic Py: Pyrrh	Begin @ 15.5m. - shear zone 142°	55	235	2.37	118	15
CR26	2m	tuff	hornfels carbonate	sporadic Py: Pyrrh	→ 11 m. mark - calcite rich	20	110	1.59	157	20
CR27	1m	tuff	hornfels	Py ± Pyrrh	- fracture: 344° structure: 094°/06N°N - mottled	360	315	2.75	189	25

C-CHIP G-GRAB F-FLOAT



**APPENDIX C**  
**Drill Logs**



DIAMOND DRILL RECORD

PROPERTY Hen

HOLE NO. 94-1

SHEET NO. 2

DIP TEST		
DEPTH	ANGLE	
	READING	CORRECTED

UTM \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_ DATE BEGUN \_\_\_\_\_  
 AZIMUTH \_\_\_\_\_ GRID LOCATION \_\_\_\_\_ DATE FINISHED \_\_\_\_\_  
 INCLINATION \_\_\_\_\_ CROSS SECTION \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COLLAR ELEVATION \_\_\_\_\_ CORE SIZE \_\_\_\_\_ LOGGED BY \_\_\_\_\_

DEPTH		APP. WIDTH	DESCRIPTION	SAMPLE NO.	FROM	TO	APP. WIDTH	REC.	Au.		Ag	
FROM	TO								ppb.	oz/t	ppm.	oz/t
4.3	11.2		H.A.A. (cont) Up to 1% pyrrhotite hem stringers, minor pyr. else <del>where</del> where RQP 40% Rec 75%									
11.2	23.4		H.A.A. w/ weak Hematite stain. Grey to Dark Pink stock work pyrrhotite to 2% in Matrix at 80° but also 40° 110°. Clots of sericite, calcite, diopside, Assocated w/ stringers Minor arsenic pyrite 150 carb. vein st. Calcite, sericite, diopside stringers mainly at 80° minor 40°, subll, every 5-10 cm' Carb st vein 5cm at 80° to CA 14.7 m. Siderite RQP 60% Rec 80% Gauge 15.6-15.8/80° to CA	22605	11.0	12.7	80% of core					
				606	12.7	14.7						
				607	14.7	16.7						
				608	16.7	18.7						
				609	18.7	20.7						
				610	20.7	23.4						





DIAMOND DRILL RECORD

PROPERTY Her

HOLE NO. 94-1

SHEET NO. 5

DIP TEST		
DEPTH	ANGLE	
	READING	CORRECTED

UTM \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_ DATE BEGUN \_\_\_\_\_  
 AZIMUTH \_\_\_\_\_ GRID LOCATION \_\_\_\_\_ DATE FINISHED \_\_\_\_\_  
 INCLINATION \_\_\_\_\_ CROSS SECTION \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COLLAR ELEVATION \_\_\_\_\_ CORE SIZE \_\_\_\_\_ LOGGED BY \_\_\_\_\_

DEPTH FROM	TO	APP. WIDTH	DESCRIPTION	SAMPLE NO.	FROM	TO	APP. WIDTH	REC.	Au.		Ag	
									ppb.	oz/t	ppm.	oz/t
80.4	87.8		H.A.A. Calcite-sericite stringers to 3cm every 40-50 cm mainly at 70°-80° to CA 82.3-82.6 Co-chlorite diopside stringer zone 20° + 80° to CA. RQD 80% Rec 100%	126632	82.3	82.6						
87.2	91.0		H.A.A. Calcite sericite stringer zone minor pyrrhotite very minor Aspy. At 70° to 90° to CA 50% Co Se, Diopside over all RQD 40% Rec 100%	633 634	87.2	89.2						
95.0	96.0		Fract 90% gouge RQD 0% Rec 100% 70° to CA. Very broken	637	95.0	96.0						
96.0	102.8		H.A.A. Calcite sericite (Greenish) stringer zone upto 1cm every 1-3cm at 80° to 90° + Sub A to CA RQD 10% Rec 100% V. minor sulphide py?	6368	99.4	101.9						

## DIAMOND DRILL RECORD

PROPERTY ItanHOLE NO. 94-1SHEET NO. 6

DIP TEST		
DEPTH	ANGLE	
	READING	CORRECTED

UTM \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_ DATE BEGUN \_\_\_\_\_  
 AZIMUTH \_\_\_\_\_ GRID LOCATION \_\_\_\_\_ DATE FINISHED \_\_\_\_\_  
 INCLINATION \_\_\_\_\_ CROSS SECTION \_\_\_\_\_ DATE LOGGED \_\_\_\_\_  
 COLLAR ELEVATION \_\_\_\_\_ CORE SIZE \_\_\_\_\_ LOGGED BY \_\_\_\_\_

DEPTH FROM	TO	APP. WIDTH	DESCRIPTION	SAMPLE NO.	FROM	TO	APP. WIDTH	REC.	Au.		Ag	
									ppb.	oz/t	ppm.	oz/t
103.8	114.4		H.A.A. Very Biotiferous RQD 10% Rec 100% Biotite - chlorite alt. (pinkish) Minor. Calcite stringers to 0.5 cm most 1-2 mm at fr. and stringers at 70°-80°, 30° and subll. Minor py. min on fractures	126639	108	110						
114.4	157.3	5.5'	H.A.A. 70% dark pink biotite alt. 30% grey green sericite Diopside. Calcite stringers every 40-80 cm Mainly at 70° to 80° to CA Occasionally down to 60° and 45° RQD 98% Rec 100% 5 alb-epitote-K-spor stringers at 80° - 123.6 - 5 cm 30 - 128.4 - 10 cm. Very minor pyrrhotite overall	640	128	130						
				641	141.6	143.6						
				642	145.3	146.3						
				643	156.3	157.3						

E O H





**APPENDIX D**  
**Statement of Expenditure**

## Statement of Expenditure

### PERSONNEL:

D. Ridley	a) field; 20 D @ \$200/day	\$4,000.00
	b) office; 9D @ \$100/day	900.00
C. Ridley	a) field; 18D @ \$125/day	2,250.00
	b) office; 9D @ \$75/day	675.00
S. Stone;	14D @ \$120/day	1,680.00
D. Dunn;	27D @ \$250/day	6,750.00
Others;	3D @ \$125/day	375.00

### TRAVEL:

Truck rental; 25D @ \$40/day	1,000.00
Truck rental; 27D @ \$50/day	1,350.00
Gas;	750.00
GST payable: 7% on contracting and portion of vehicle rental	577.50

### FOOD AND ACCOMMODATION:

D. Dunn 27D @ \$70/day	1,890.00
------------------------	----------

### SAMPLE ANALYSIS:

a) Soils; 1,375 @ \$16.16 ea.	22,220.00
b) Rocks; 142 @ \$19.33 ea.	2,744.86
c) Silts; 12 @ \$16.16 ea.	193.92

### SHIPPING:

165.00

### FIELD EXPENDABLES:

350.00

### TRENCHING:

Crossroads Contracting	6,170.40
KH & Sons Excavating	1,231.20

### STUMPAGE:

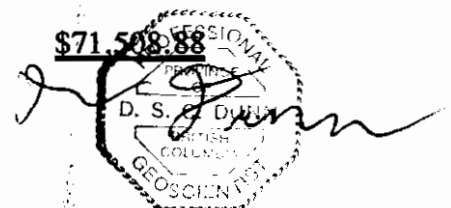
Estimate 3 loads @ \$600.00/load	1,800.00
Drilling 652 feet @ \$18/foot	11,736.00

### REPORT PREPARATION:

2,500.00

### TOTAL 1994 EXPENDITURE

\$71,508.88



**APPENDIX E**  
**Statement of Qualifications**

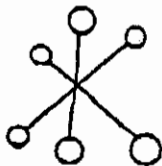
I, David St. Clair Dunn, with a business address of 1770 -401 West Georgia Street, Vancouver, B.C., V6B 5A1, declare that:

1. I am a professional Geoscientist registered under the Professional Engineers and Geoscientists Act of the Province of British Columbia;
2. I am a Fellow of the Geological Association of Canada;
3. I am a member of the Association of Exploration Geochemists;
4. I have practiced my profession as a prospector and geologist for more than 20 years in Canada, U.S.A. and Australia;
5. I supervised the work program on the Hen property described in this report;
6. I am Vice President - Exploration for Pioneer Metals Corp.

  
David St. Clair Dunn, P. Geo.  
December, 1994



**APPENDIX F**  
**Laboratory Procedures**



## ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 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.
3. **Heavy Mineral Separation:** Samples are screened to -20 mesh, washed and separated in Tetrabromothane. (SQ 2.96)

#### METHODS OF ANALYSIS

All methods have either certified 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

Hot aqua-regia

##### Finish

Atomic Absorption, background correction applied where appropriate

- A) **Multi-Element ICP**

##### Digestion

Hot aqua-regia

##### Finish

ICP

2. **Antimony**

##### Digestion

Hot aqua regia

##### Finish

Hydride generation - A.A.S.

3. **Arsenic**

##### Digestion

Hot aqua regia

##### Finish

Hydride generation - A.A.S.

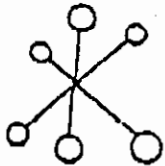
4. **Barium**

##### Digestion

Lithium Metaborate Fusion

##### Finish

I.C.P.

**ECO-TECH LABORATORIES LTD.**

ASSAYING • ENVIRONMENTAL TESTING

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

**13. Tin**Digestion

Ammonium Iodide Fusion

Finish

Hydride generation - A.A.S.

**14. Tungsten**Digestion

Potassium Bisulphate Fusion

Finish

Colorimetric or I.C.P.

**15. Gold**Digestion

- a) Fire Assay Preconcentration  
followed by Aqua Regia

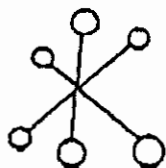
Finish

Atomic Absorption

- b) 10g sample is roasted at 600°C then digested with hot  
Aqua Regia. The gold is extracted by MIBK and  
determined by A.A.

**16. Platinum, Palladium, Rhodium**DigestionFire Assay Preconcentration  
followed by Aqua RegiaFinish

Graphite Furnace - A.A.S.

**ECO-TECH LABORATORIES LTD.**

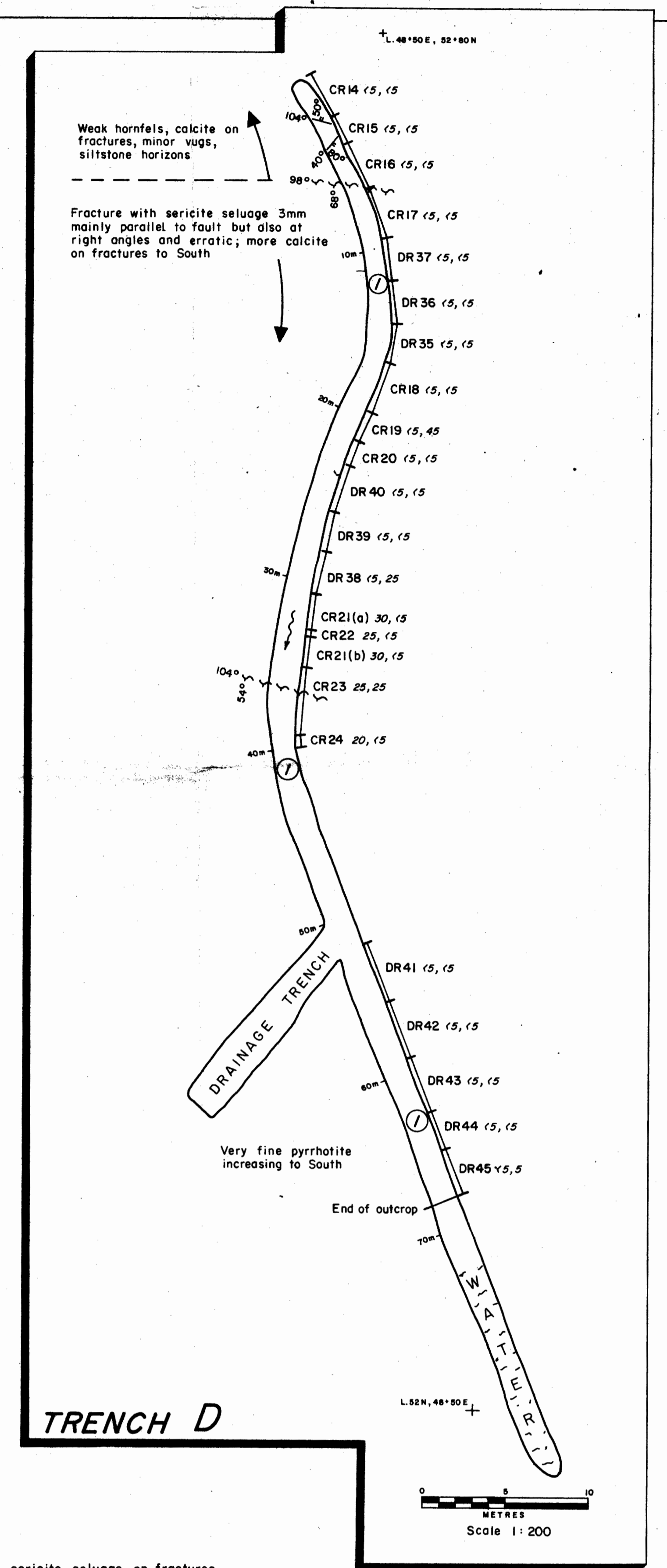
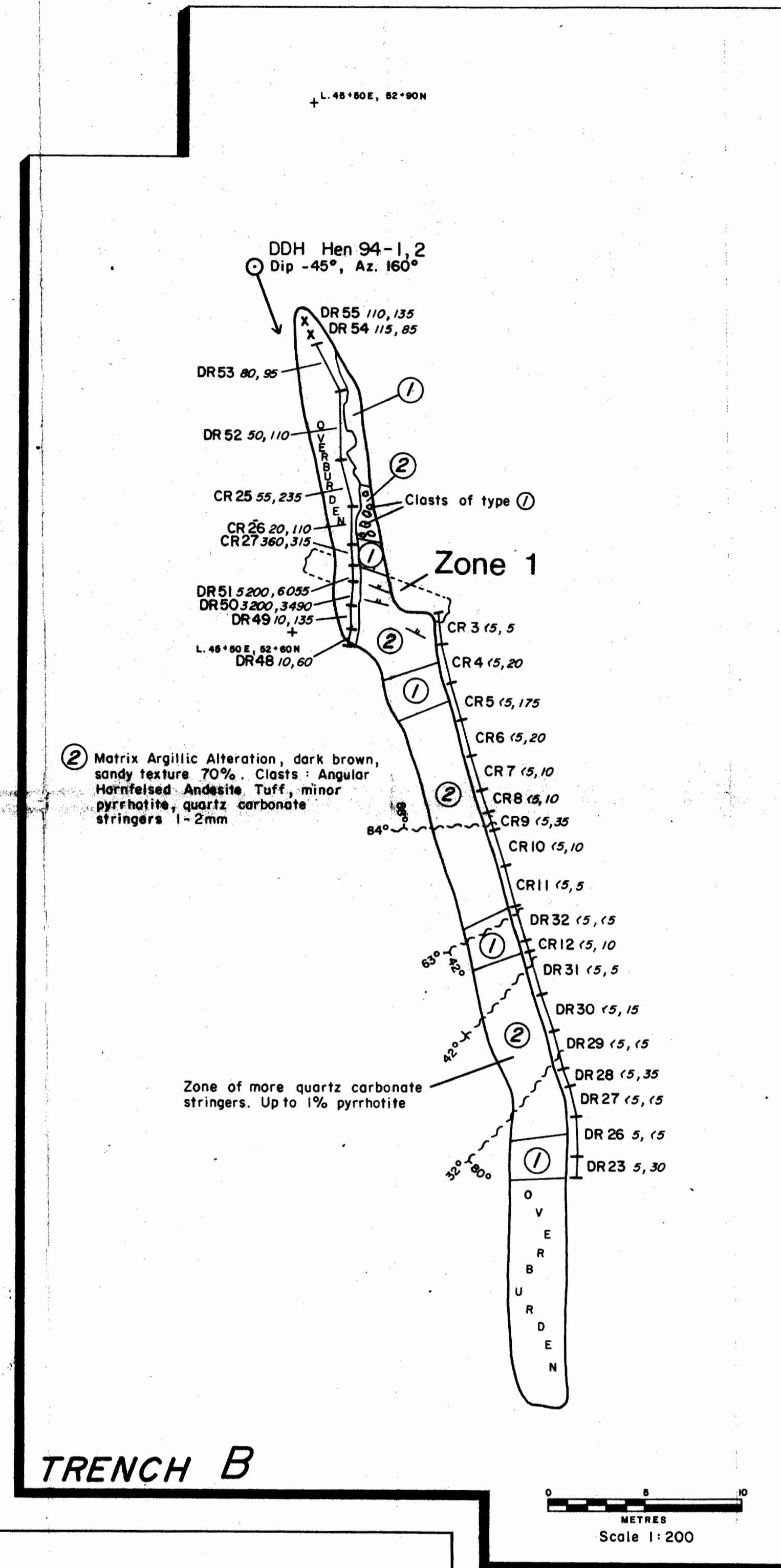
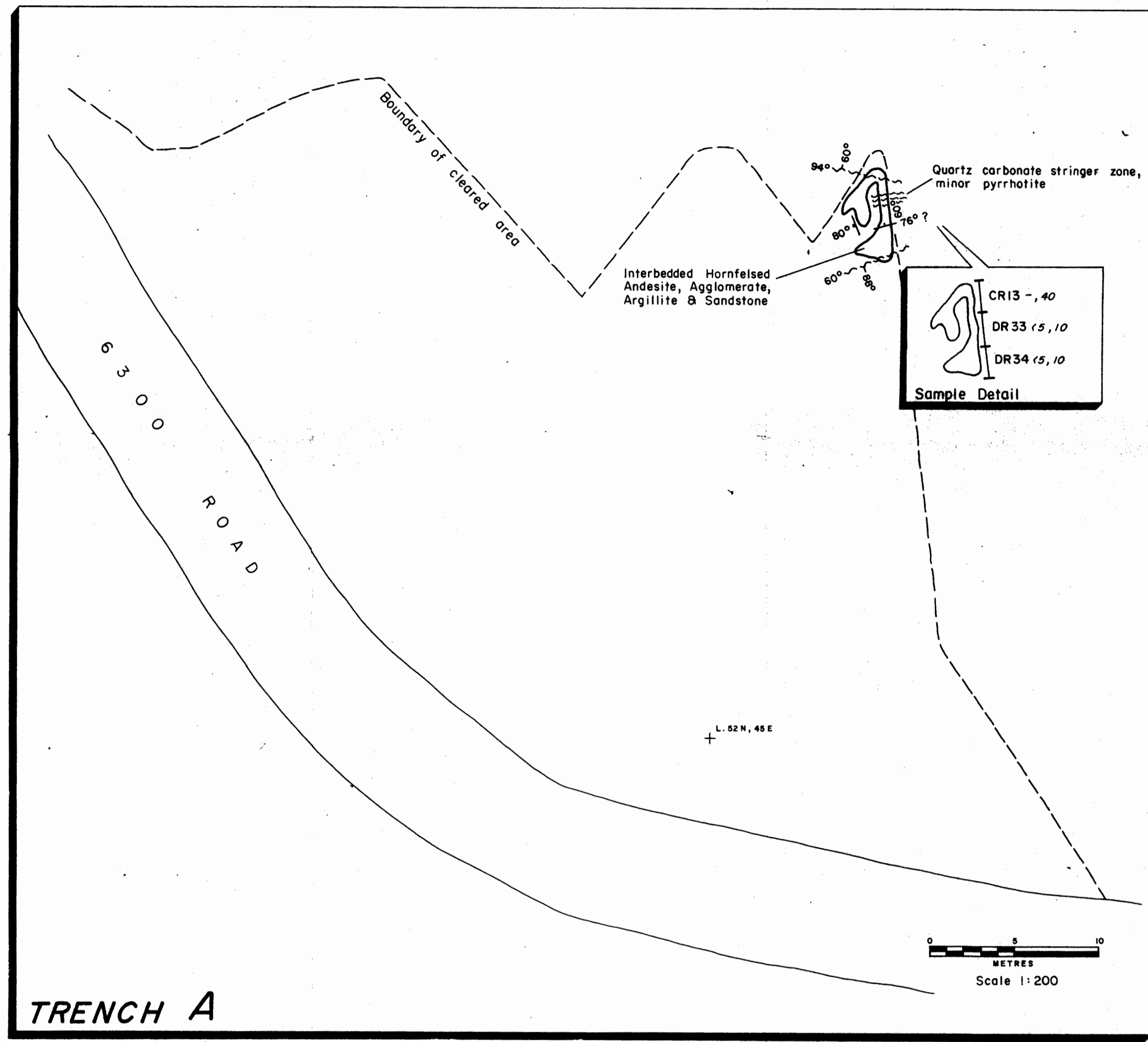
ASSAYING - ENVIRONMENTAL TESTING

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

LABORATORY METHOD ASSAYS

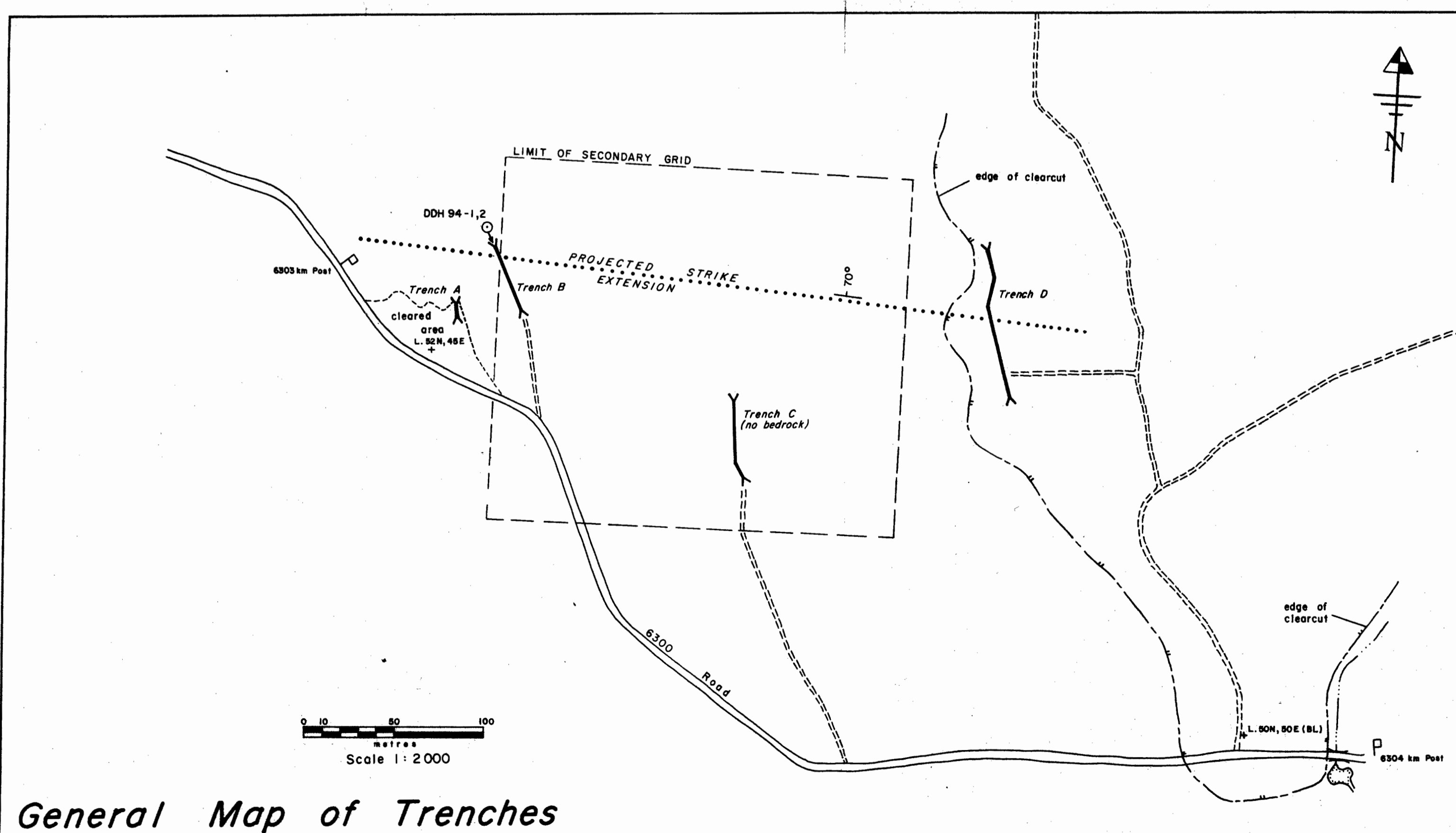
- Gold - Coventional fire assay with A.A. finish
- Gold "Metallics" - A 300g re-split is taken from the rejects and pulverized in a ring and puck pulverizer. The entire split is screened to -140mesh. The entire +140 mesh oversize is assayed separately. Two replicate assays are performed on the -140 mesh fraction.
- Ag Pb Sb Zn - Aqua regia digestion, A.A. finish
- As - Aqua regia digestion, ICP finish





**LEGEND**

- ① Hornfelsed Andesite Agglomerate. Minor garnet, pyrrhotite, sericite seluige on fractures. Quartz carbonate stockwork with easterly trend, northerly dip.
- ② Highly foliated fault breccia. Strong argillic alteration. Some clasts of angular hornfelsed andesite tuff. Quartz carbonate stringers ubiquitous.
- Fault with dip
- Bedding
- Contact
- Foliation
- DR24 5,30 Trench sample with assay values - Au (ppb), As (ppm)
- x Float sample



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

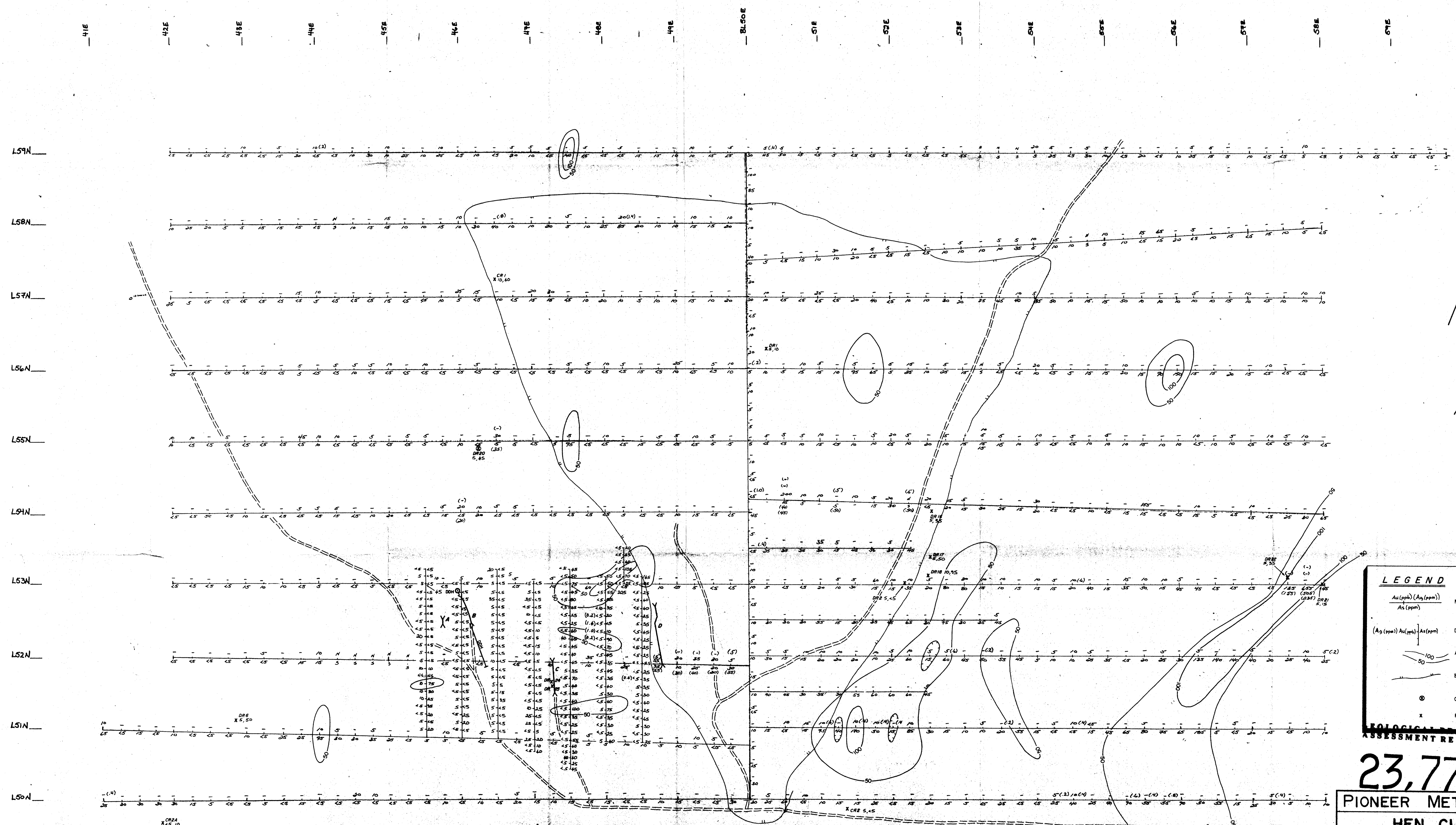
**23,770**

**PIONEER METALS CORP.**

**HEN CLAIMS**  
Cariboo M.D.

**General Plan of Trenches +  
Detail of Trenches A, B & D**

Date	December 1994	Map	
Scale	as shown		1
M.T.S.	93 A/2		



**LEGEND**

- $Au(ppb), Ag(ppm)$  Main grid values
- $As(ppm)$  Detailed grid values
- $(Ag(ppm), Au(ppb), As(ppm))$  Arsenic contour (ppm)
- Edge of clearcut
- ⊙ Chip/Grab sample - Au(ppb), As(ppm)
- x Float sample - Au(ppb), As(ppm)

**23,770**

**PIONEER METALS CORP.**  
**HEN CLAIMS**  
**Rock & Soil**  
**Sample Locations**  
**with Geochemistry**

Date: December 1994  
 Scale: 1 : 2,000  
 N.T.S. 93 A/2

