GEOLOGICAL AND GEOCHEMICAL

ASSESSMENT REPORT

ON THE TED 1-8 CLAIMS

(PART OF THE COYOTE PROPERTY)

FORT STEELE MINING DIVISION

NTS 82 J/4E, 3W & 82 G/13E, 14W

Latitude 50°00'N Longitude 115°30'W

OWNER: TECK CORPORATION

OPERATOR: TECK EXPLORATION LTD.

Hugh Stewart
Project Geologist

November 15, 1995

SUMMARY

The Ted claim group consists of the Ted 1-8 mineral claims totalling 8 units. It is part of the larger Coyote Property, consisting of the Steve, Tom, Pete, Coyote and Ted claims. The property is located within the Rocky Mountains of southeastern B.C., roughly 25 kilometres southeast of Canal Flats, and was staked in response to a 1991 government RGS release identifying several anomalous zinc values from creeks draining a north-trending belt of black shale stratigraphy. The property is underlain by Middle Devonian to Mississippian carbonates and fine grained clastics which stratigraphically overly the Middle to Upper Devonian Harrogate Formation limestones, siltstones, grey to brown shales and black shales. Mapping in 1992 on the Ted claims confirmed the presence of black shale stratigraphy, however detailed rock sampling failed to reveal economic base metal mineralization.

The 1995 program consisted of soil sampling over (largely covered) areas of black shale identified as having anomalous zinc geochemistry in the 1992 mapping and prospecting program. The 1995 program was carried out between August 21 and August 23, 1995.

ICP analysis of 93 soil samples from the property shows high zinc and high (correlated) phosphorus, vanadium and barium values associated with areas underlain by, or downslope from, the black shale unit. With the exception of zinc, the analyses returned low values for base metals and iron, as well as low values for other shale-hosted massive sulphide indicator elements, including arsenic, manganese and cadmium.

The elevated zinc values may be the result of scavenging of zinc by the organic-rich, phosphatic black shales. The likely high pH of the soils due to the presence of limestone may also have had an effect on the results.

RECOMMENDATIONS

The following evidence suggests that a sedex base metal deposit is *not* present on the Ted claims:

- Lack of elevated sedex massive sulphide indicator elements including arsenic, manganese and cadmium.
- Low iron content.

Evidence that the anomalous zinc concentrations are related to scavenging of zinc by organic-rich black shales include:

- Anomalous phosphorus and vanadium in soils and rocks.
- High carbon (organic) content of the black shales.

Because there is no compelling evidence for sulphide mineralization on the claims, no further work is recommended.

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INTRODUCTION

The Ted 1-8 claims, as well as the rest of the Coyote Property to the south, were staked in 1991 in response to a 1991 Regional Geochemical Sample release (BC RGS 28) identifying several anomalous zinc values in streams draining a north-trending belt of black shale stratigraphy.

During 1992, a program consisting of 1:5,000 scale geological mapping and rock chip sampling was carried out on the claims. The program was designed to evaluate the potential for an economic shale-hosted Zn-Pb massive sulphide deposit. Favourable black shale stratigraphy was identified, and rock samples from within this stratigraphic horizon were found to contain elevated zinc concentrations. No massive sulphide mineralization was located during the mapping program. However, as outcrop of the shale unit is very limited, a follow-up soil sampling program was carried out in 1995 to search for evidence of mineralization in covered areas.

This report describes the 1995 program and results.

LOCATION AND ACCESS (Figures 1, 2)

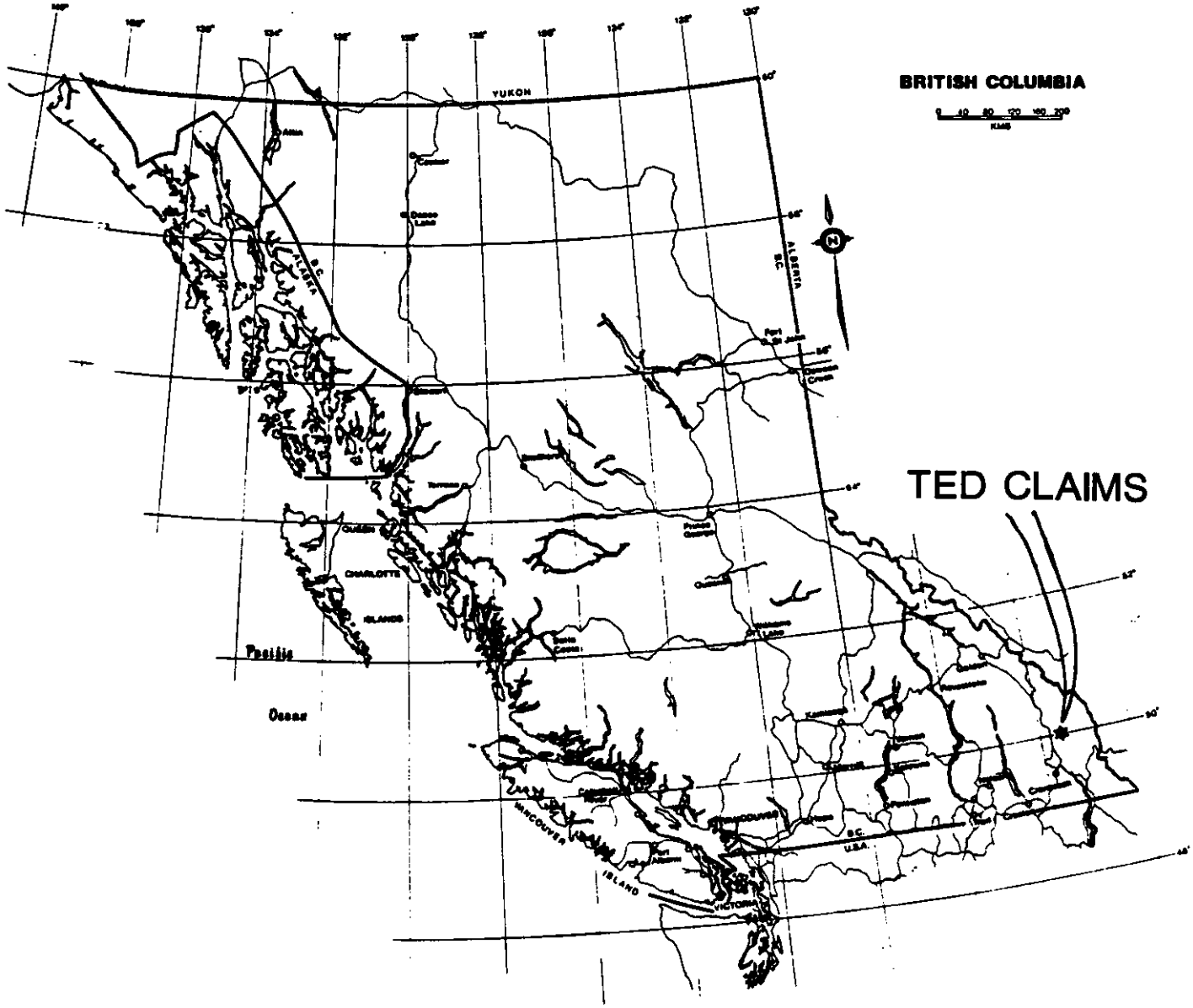
The Ted 1-8 claims are located roughly 25 kilometres southeast of Canal Flats in southeastern British Columbia. The property is located on NTS map sheets 82J/4E, 3W and 82G/13E, 14W with an approximate property centre latitude and longitude of 50° 00'N and 115° 30'W, respectively.

The property is accessible by road via the Whiteswan Lake Road, originating five kilometres south of Canal Flats along Highway 93/95. Whiteswan Lake Road is followed eastward for 21 kilometres to the Lussier River Road, which is followed for roughly 16 kilometres south to the White - Coyote Ridge Road. The latter is followed 3 kilometres east to a south-trending secondary logging road providing (foot) access to much of the property.

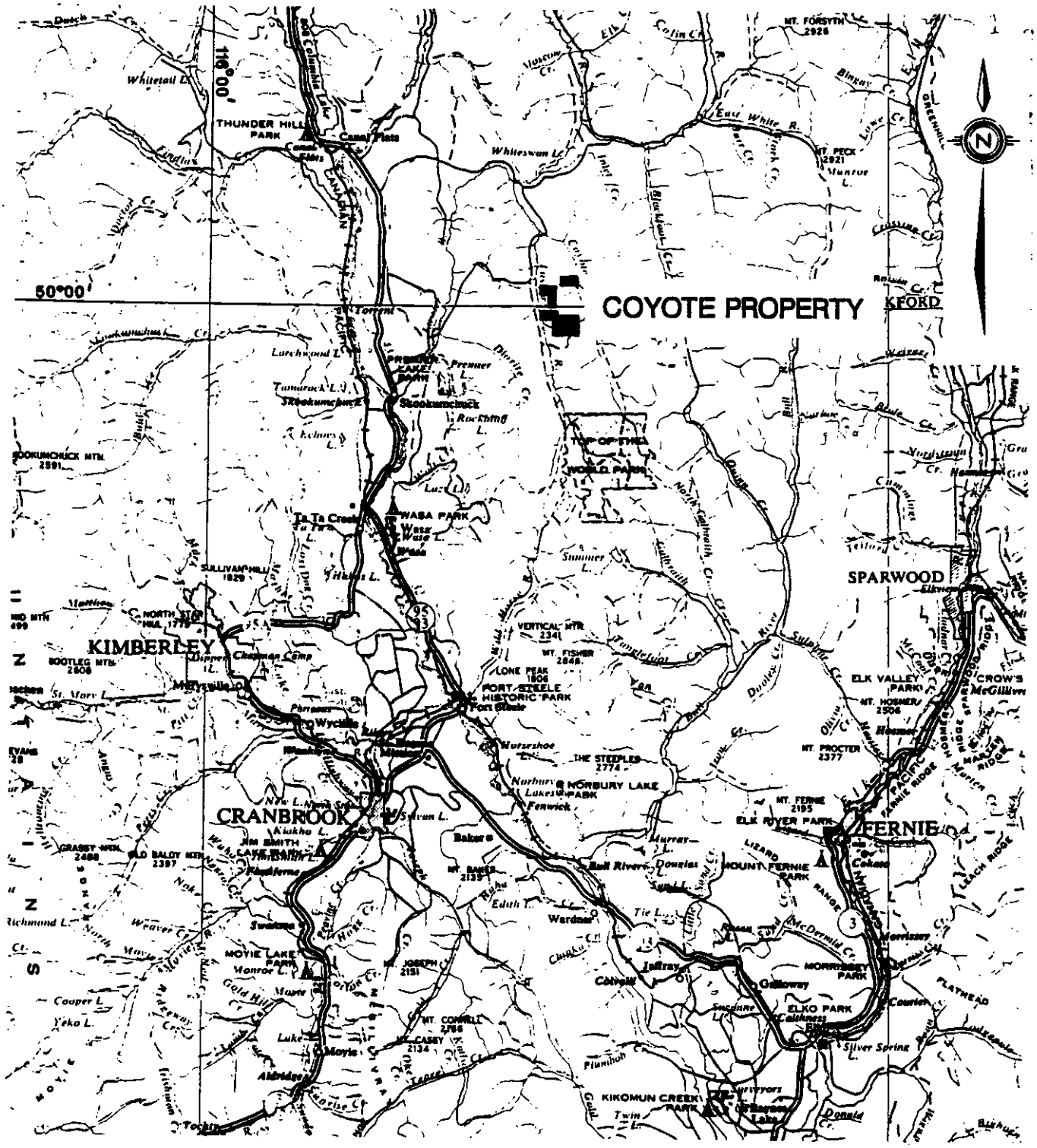
TOPOGRAPHY AND VEGETATION

The property is situated within the Kootenay Ranges of the Rocky Mountains. Elevations range from 2160 metres (7084 feet) in the southeastern claim area to 1510 metres (4953 feet) in the southwestern corner of the claims. The claims are situated along the steep west side of a prominent northwest-trending ridge.

Vegetation is thick to open and consists predominantly of mature spruce, pine, and fir with other mixed conifers. Underbrush is generally moderate to thick and consists of alders, scrubbrush and burn. Much of the property area is covered by recent logging cuts and forest fire burns. With the exception of roadcuts and cliff-forming limestone exposures, outcrop is relatively poor.



TECK EXPLORATIONS LTD	
LOCATION MAP	
TED CLAIMS	
SCALE : 1 : 1,000,000	FIGURE : 1



TECK EXPLORATION LTD

COYOTE PROPERTY

LOCATION MAP

SCALE : 1 : 600,000 | FIGURE : 2

CLAIMS (Figure 3)

The property, located in the Fort Steele Mining Division, consists of Ted 1-8 mineral claims totalling 8 units (200 hectares). The claims are registered to Teck Corporation and are grouped as the Ted Group (8 units total). The following table lists all pertinent claim data.

TABLE 1

CLAIM RECORDS

Claim Name	Record No.	Units	Record Date	Expiry Date*
Ted 1	304403	1	Sept. 05, 1991	Sept. 05, 1998
Ted 2	304404	1	Sept. 05, 1991	Sept. 05, 1998
Ted 3	304405	1	Sept. 05, 1991	Sept. 05, 1997
Ted 4	304406	1	Sept. 05, 1991	Sept. 05, 1997
Ted 5	304407	1	Sept. 05, 1991	Sept. 05, 1997
Ted 6	304408	1	Sept. 05, 1991	Sept. 05, 1997
Ted 7	304409	1	Sept. 05, 1991	Sept. 05, 1997
Ted 8	304410	1	Sept. 05, 1991	Sept. 05, 1997
		Total = 8 Units		

*Expiry date based on acceptance of this report

PREVIOUS WORK and HISTORY

Previous work in the area is restricted to industrial minerals, mainly gypsum (Butrenchuk, 1988). Domtar Construction Material's Lussier River gypsum quarry, located 3 kilometres north of the claims, has been in production since 1984 with limited production from their 'South quarry' about 750 metres to the south. Work by Trurock Gypsum Products south of the current Tom claims suggests a reserve potential of 40 million tonnes with a gypsum content of 80%. Additional gypsum prospects are located proximal to the claims and have been worked by various companies. There is no record of base metal exploration in the area.

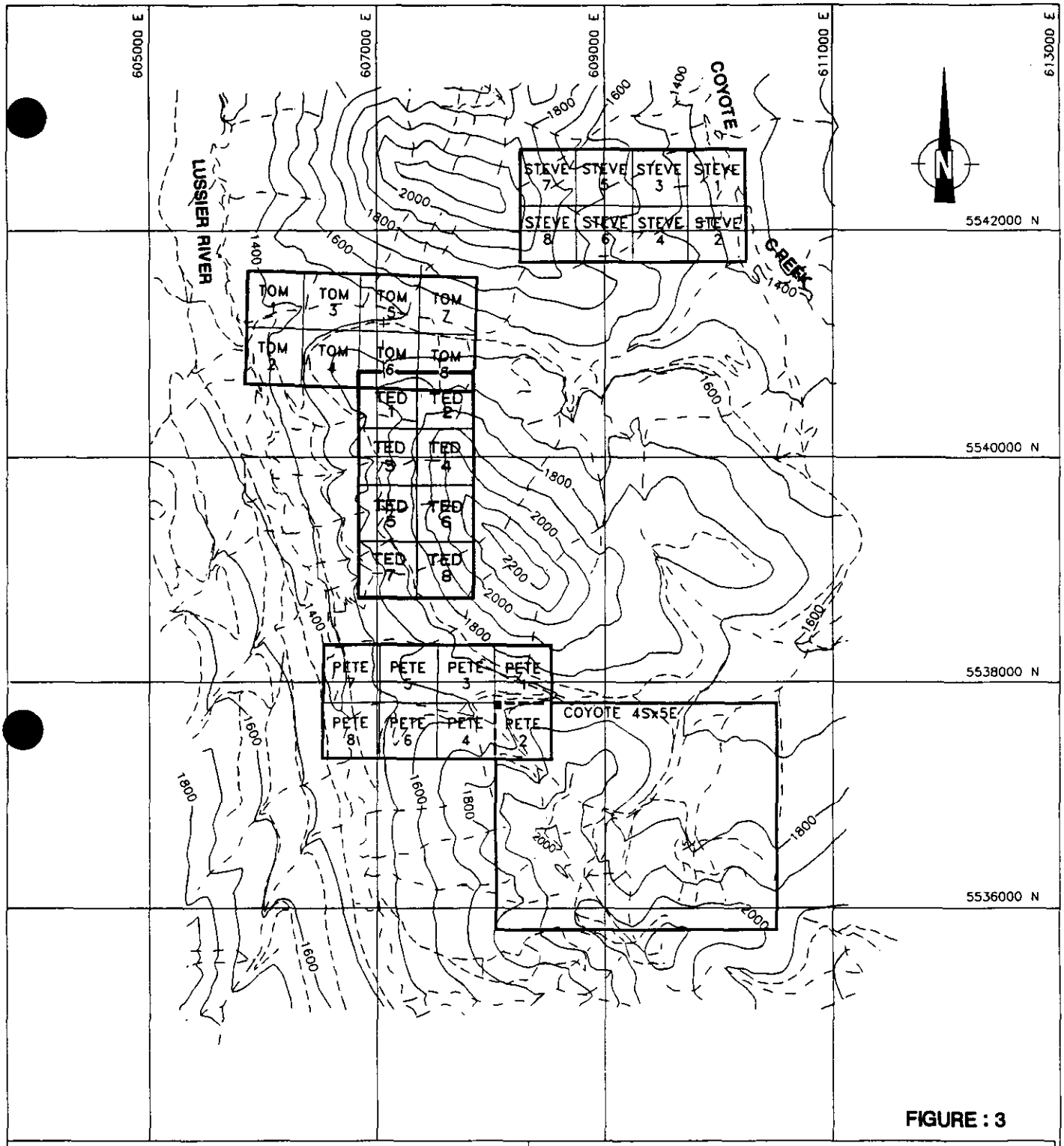


FIGURE : 3

TECK EXPLORATION LTD.

COYOTE PROPERTY

TED CLAIMS
Claim Map

0 1000 2000 3000
metres

DATE DRAWN: APR. 27, 1992	SCALE: 1:50,000	DWG. NAME:
COMPILED BY: S.J.	JOB No: 1711	COY-CLMS
DRAWN BY: L.M./S.A.	NTS:82G/14W,13E;82J/3W,4E	

1995 PROGRAM

During the period August 21 to August 23, 1995, 6 person-days were spent on the Ted claims carrying out a soil sampling program. Soils were collected at 50 m intervals from eight east-west-trending flagged lines spaced 200 metres apart. Most lines were approximately 450 metres long, sufficient to cover the mapped extent of the black shales plus an additional 50-100 metres on either side.

GEOLOGY

A. Regional Geology (Figure 4)

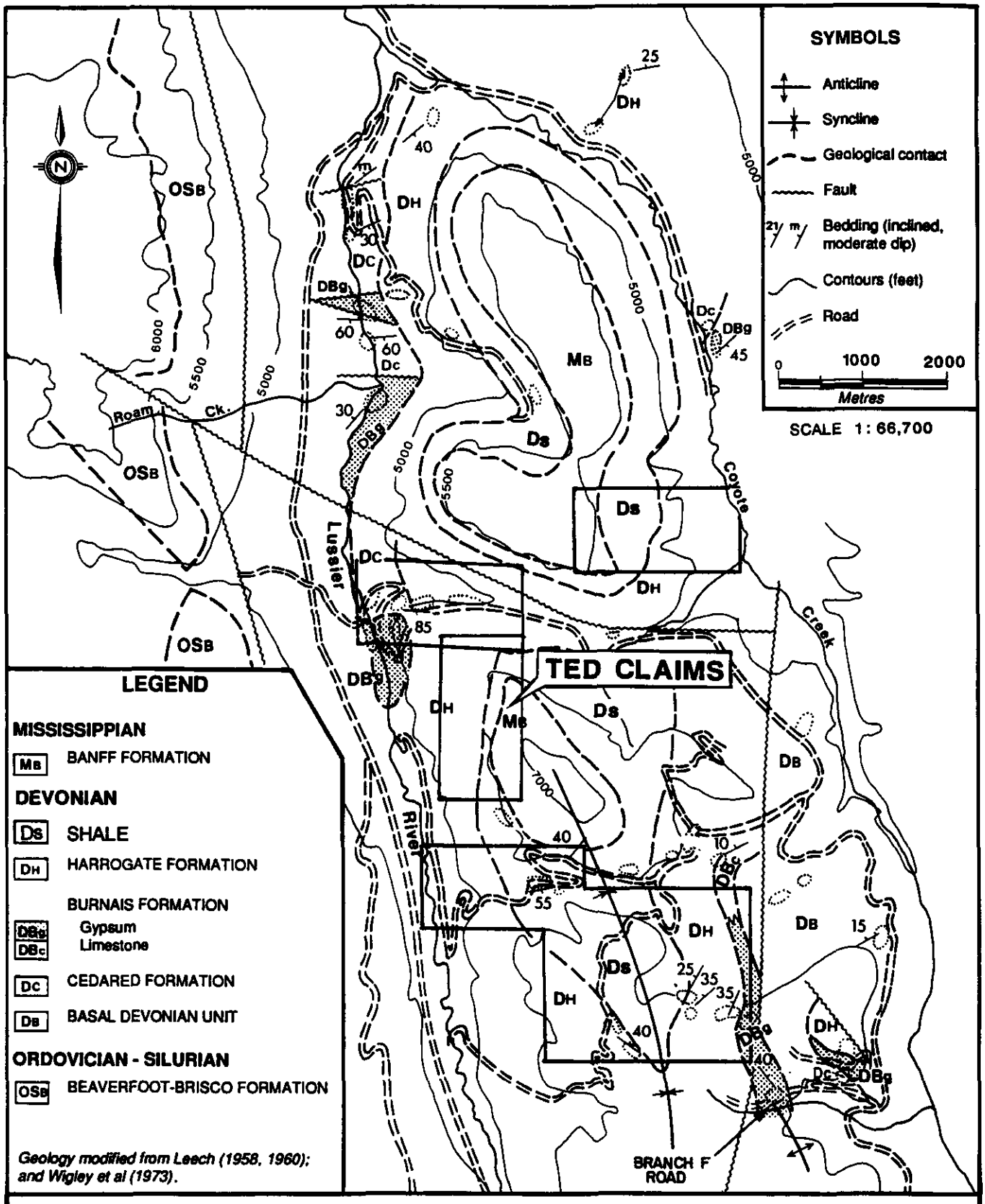
The Lussier - Coyote region has been mapped on several occasions by the federal and provincial governments since mid century Leech (1954, 1958). The most recent maps include Höy and Carter (1988) and Leech (1979).

The Coyote property in located in the Rocky Mountains fold and thrust belt, consisting of thrust imbricted Late Proterozoic to Mesozoic platform and miogeoclinal strata. Rocks in the region around the claims are primarily Devonian to Mississippian in age. The Devonian stratigraphy consists of a basal unit of quartzites, argillaceous limestone and limestone. This is overlain by Middle Devonian Cedared Formation dolomites, sandstones and limestones and the laterally equivalent Burnais Formation evaporites (gypsum and anhydrite). The youngest Devonian unit in the region is the Middle to Upper Devonian Harrogate Formation (limestones and shales).

The Devonian strata unconformably overlie or are in structural contact with the Ordovician-Silurian Beaverfoot-Brisco Formation limestones and dolomite. Overlying the Devonian rocks are limestones and chert of the Mississippian Banff and Rundle Formations.

Structurally, the Lussier-Coyote area is dominated by a gentle north-plunging open syncline, with its north-northwest trending axis located along the height of land separating Coyote Creek and Lussier River. Leech (1954) interpreted the Lussier Syncline to occupy a graben-like structure with bounding high angle normal faults separating Silurian to Mississippian strata from Ordovician and Cambrian rocks. More recent mapping by Höy and Carter (1988) indicates that a northwest-trending thrust fault (Lussier Creek Fault) separates predominantly Devonian strata from predominantly Cambrian strata. Numerous northwest-trending folds and thrusts dominate to the east. The north-northwest trending Rocky Mountain Trench Fault is located roughly 15 kilometres to the west.

The area surrounding the Coyote property is host to few mineral showings or occurrences.



Geological setting of the Lussier River–Coyote Creek area, Stanford Range.

REGIONAL GEOLOGY

FIGURE : 4

B. Property Geology (Figures 3, 4 & 5)

Work in 1992 indicates the Ted claims are predominantly underlain by Devonian carbonate and clastic rocks. The area around the Ted claims can be divided into three broadly defined map units, two of which are present on the claims. (Figure 5; Jensen 1992a and b).

The oldest rocks in the area are Middle Devonian evaporites of the Burnais Formation and laterally equivalent limestones and dolomites of the Cedared Formation. They are present to the northwest of the claim area.

The western half of the claims is underlain by Middle to Upper Devonian Harrogate Formation carbonates and fine grained clastics. A typical section through the Harrogate Formation consists of thick limestones at the base, limy siltstones and grey to brown shales in the middle and black shales at the top of the section. Fossils within the limestones have been dated as Middle and Upper Devonian. Jensen (1992) included siltstones and shales in the upper part of the Harrogate Formation.

The Harrogate Formation is divided into four sub-units on Figure 5. Unit 4d is medium to dark grey and black limestones. Locally, limestones are orange to brownish, banded, bioturbated and contain variable quantities of sand, silt and shale (increasing up section). Limestones often contain a prominent fracture cleavage. Bedding is often evident and thicknesses range from 5cm to 2m; commonly 15-30cm. Unit 4c consists of grey to brown limy siltstone and siltstone. Siltstones often contain fine, light coloured laminations and locally contain calcite veinlets. Brown to grey shales make up Unit 4b. The shales can also possess light coloured fine laminations and are locally quite limy. Black shales (sub-unit 4a), comprising the top of the Harrogate Formation, are locally rusty, can contain trace quantities of pyrite, are mainly non-calcareous and contain significant amounts of organic matter. Locally, black and grey to brown shales, limestones and siltstones are intercalated. They are thin to medium bedded and exhibit a weak cleavage.

The youngest rocks on the property are limestones and cherts of the Mississippian Banff and Rundle Formations (Unit 5 on Figure 5). They commonly form cliffs and are found at higher elevations on the Ted claims. Limestones are fine grained, medium to dark grey and locally silty. They possess a differential weathering pattern (due to silt content) producing a characteristic banded appearance, with alternating shades of grey and tan. Bedding ranges from 5cm to 1m with 20-30cm beds common. Dark grey to black chert generally occurs as bands and lenses less than one to two metres thick with occasional chert nodules present within limestone. The contact relationship with the underlying Devonian strata is likely a slight disconformity based on relationships in other areas.

C. Mineralization and Alteration

Rock samples analyzed by ICP in 1992 returned anomalous zinc concentrations (to 1385 ppm), high phosphorus (up to 5110 ppm) and high vanadium (up to 1252 ppm). Lead results were not

elevated (up to 57 ppm), and other sedex indicator elements, including barium, manganese and arsenic showed no response.

It was concluded from these results that the black shales may have scavenged zinc from groundwater, stopping the normal hydromorphic dispersion of the element. This is supported by the very low Fe results which suggest that the zinc is not from sphalerite.

No significant alteration was noted within the black shales during 1992 mapping.

1995 SOIL GEOCHEMISTRY PROGRAM (Figure 5)

Soil samples were collected at 50 m intervals from 8 east-west-trending flagged lines spaced 200 metres apart. Most lines were approximately 450 metres long, sufficient to cover the mapped extent of the black shales plus an additional 50-100 metres on either side (Figure 5).

Soils were collected from the B horizon where possible. Soil development ranged from good to poor/not developed over the grid area. C horizons over the burned areas were rarely greater than a few centimetres thick. Several areas consisted of talus with a matrix of organic rich material; sample collection was difficult in these areas. Much of the burned area was salvage logged; as a result there is significant ground disturbance in some areas. These areas were avoided where possible. Sample descriptions are tabulated in Appendix V.

A total of 93 soil samples on 4.5 km of grid line were collected and analyzed for 30 elements by ICP at Eco-Tech Laboratories in Kamloops. Analytical techniques are described in Appendix IV, and Certificates of Analyses are included in Appendix III.

Of the analyzed elements, Zn, V, P and possibly Ba were selected as possibly significant or correlated. Table 2 shows the maximum and minimum values for these elements, as well as the degree of correlation with zinc. Anomalous values for these elements were determined by plotting the data on standard and log scale percentile plots, then selecting the anomalous threshold as the first significant break in slope (Appendix VI). Threshold values were determined as follows:

Zn: 200 ppm
V: 90 ppm
P: 1000 ppm
Ba: 360 ppm

The soil grid was contoured for Zn, V, and P.

TABLE 2

	Max. conc., ppm	Min conc., ppm	Median, ppm	corr. coef. Zn vs. X
Zn	1312	48	149	
P	3070	70	335	.573
V	517	12	35	.764
Ba	760	50	177	.369

The map distribution of high Zn, P, V, and Ba values is erratic, but generally conforms to the outcrop distribution of the black shale unit (4a) and areas immediately down slope from it. Most of the highest values are from areas with thin soil cover and abundant shale chips in the soil. These include parts of lines 600S, 200N, and 400N. The subdued response on lines 800S, 1000S and 1200S may be due to deeper soil cover.

As suspected from the results of the 1992 program, sedex indicator elements such as lead, cadmium, iron and manganese are not elevated.

In summary, the anomalous zinc results are most likely attributed to the scavenging effects of the organic-rich phosphatic-rich black shale unit.

CONCLUSIONS

The 1995 soil sampling program on the Ted claims consisted of 93 samples collected from 50 metre intervals on 8 lines across favourable shale stratigraphy, which were submitted to Eco-Tech Laboratories for 30 element ICP analysis. The 1995 soil sample results confirmed results from a 1992 mapping and rock sampling program, defining an area of elevated Zn, V, P and Ba values associated with a black shale horizon at the top of the Devonian Harrogate Formation. The program did not uncover evidence for significant sedex base metal mineralization, such as would be indicated by elevated Pb, Mn, Cd, As or Fe.

The erratic elevated zinc values are likely the result of a scavenging phosphatic black shale.

REFERENCES

Butrenchuk, S.B.(1988): Gypsum In British Columbia (82G, 82J, 83E), British Columbia Ministry of Energy, Mines and Petroleum Resources; Geological Fieldwork 1988, Paper 1989-1.

Höy, T. and Carter, G.(1988): Geology Of The Fernie W½ Map Sheet (And Part Of Nelson E½), British Columbia Ministry of Energy, Mines and Petroleum Resources; Open File Map No. 1988-14.

Jensen, S. (1992): Geological and Geochemical Assessment Report on the Coyote Property (Coyote, Steve, Pete and Tom Claims).

Jensen, S. (1992): Geological and Geochemical Assessment Report on the Ted 1-8 Claims (Part of the Coyote Property).

Leech, G.B.(1954): Canal Flats, British Columbia; Geological Survey of Canada, Paper 54-7.

Leech, G.B.(1958): Fernie Map-Area, West Half, British Columbia, 82G W½, Geological Survey of Canada, Paper 58-10.

Leech, G.B.(1958): Canal Flats, Kootenay District, British Columbia; Geological Survey of Canada, Map 24-1958.

Leech, G.B.(1960): Geology Fernie (West Half), Kootenay District, British Columbia; Geological Survey of Canada, Map 11-1960.

Leech, G.B.(1979): Kananaskis Lakes Map Area; Geological Survey of Canada, Open File 634.

Matysek, P.F. et al (1991): British Columbia Regional Geochemical Survey, Kananaskis Lakes (NTS 82J), Stream Sediment and Water Geochemical Maps, Ministry of Energy, Mines and Petroleum Resources; BC RGS 28.

APPENDIX I: COST STATEMENT

COYOTE PROPERTY - TED CLAIMS
1995 EXPENDITURES

Project Geologist (M. Smith)	
3 days @ $290.00/day	878.00
Project Geologist (H. Stewart)	
3 days @ $261.00/day	783.00
Analytical Costs	
93 soil geochemical samples	790.15
Food	
$30/day/person; 3 days	180.00
Transportation	
Pick-up truck rental, gas, insurance	
3 days @ $70 day	210.00
Lodging	
2 nights @ $84 nights	168.00
Field supplies	
topofil, bags, flagging	50.00
Report Writing (H. Stewart)	
2 days @ $261/day	522.00
Drafting (S. Archibald)	
1 day @ $220/day	220.00
Total	**3801.15**

APPENDIX II: STATEMENT OF QUALIFICATIONS

CERTIFICATE OF QUALIFICATION

I, Hugh Stewart, of the city of Kamloops, Province of British Columbia, do hereby certify:

1. I am a geologist and have practiced my profession continuously since 1995.

2. I am a graduate of; The University of Western Ontario (1983) with a B.A. in Commercial and Administrative Studies, The University of British Columbia (1995) with a B.A.Sc. in Geological Engineering.

3. This report is based primarily upon the geologic mapping and sampling program that was conducted during the time on the property and that all data contained in this report and the conclusions drawn from it are true and accurate to the best of my knowledge.

4. I have no direct or indirect interest, nor do I expect to receive any interest, either directly or indirectly, in the property so outlined in this report.

5. I give my consent to the use of my name in this report for qualification requirements.

DATED at Kamloops, British Columbia this 15th day of November, 1995.

HUGH STEWART

APPENDIX III: CERTIFICATES OF ANALYSES

4-Sep-95

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

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

TECK EXPLORATION LTD. AK 95-701
#350-272 VICTORIA STREET
KAMLOOPS, B.C.
V2C 2A2

ATTENTION: MOIRA SMITH

93 Soil samples received August 24, 1995
PROJECT #: None given
SHIPMENT #: None given
Samples submitted by: M. Smith

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	137401	<.2	0.84	10	90	<5	0.23	<1	11	9	24	2.54	<10	0.42	125	19	<.01	58	230	12	5	<20	5	0.01	<10	31	<10	10	147
2	137402	<.2	2.28	10	255	<5	0.33	<1	8	11	12	2.25	<10	0.29	83	6	0.02	61	530	16	<5	<20	17	0.05	<10	32	<10	8	176
3	137403	<.2	0.92	<5	65	<5	0.22	<1	5	11	6	1.49	<10	0.42	52	5	<.01	20	180	8	5	<20	4	0.01	<10	40	<10	1	95
4	137404	<.2	2.40	<5	185	<5	0.62	<1	5	14	7	2.00	10	0.59	140	<1	0.01	22	510	14	<5	<20	11	0.05	<10	28	<10	9	136
5	137405	0.4	1.64	<5	135	<5	0.65	<1	5	18	8	1.93	20	0.41	134	1	<.01	25	110	10	5	<20	7	0.04	<10	21	<10	15	68
6	137406	<.2	2.23	<5	130	<5	0.57	<1	4	11	6	1.28	10	0.21	67	<1	0.02	23	960	12	<5	<20	18	0.09	<10	15	<10	20	137
7	137407	0.4	1.17	<5	65	<5	0.78	<1	3	19	6	1.12	10	0.35	81	<1	<.01	25	280	8	5	<20	6	0.01	<10	15	<10	13	127
8	137408	<.2	1.86	<5	170	<5	0.69	<1	3	14	4	1.27	<10	0.26	97	<1	0.01	20	260	10	<5	<20	11	0.04	<10	13	<10	11	110
9	137409	0.6	1.06	<5	155	<5	1.35	<1	3	13	9	1.39	20	0.17	144	2	<.01	39	510	6	<5	<20	17	0.02	<10	15	<10	22	140
10	137410	2.6	0.74	<5	270	<5	1.40	<1	6	17	23	2.10	20	0.17	245	5	<.01	71	330	8	<5	<20	9	<.01	<10	21	<10	24	204
11	137411	<.2	0.99	<5	90	<5	0.21	<1	5	9	7	1.59	<10	0.24	57	5	<.01	23	100	8	<5	<20	6	0.02	<10	33	<10	<1	99
12	137412	<.2	1.44	<5	325	<5	0.75	1	7	13	15	2.78	10	0.31	189	12	<.01	96	230	12	<5	<20	21	0.02	<10	62	<10	14	647
13	137413	<.2	1.59	30	200	<5	0.29	9	7	22	30	2.89	<10	0.32	116	53	<.01	76	2200	20	15	<20	30	0.01	<10	389	<10	9	1312
14	137414	<.2	1.55	10	305	<5	0.26	4	6	11	11	1.94	<10	0.29	137	22	0.01	48	720	16	<5	<20	21	0.03	<10	146	<10	4	413
15	137415	<.2	1.47	5	175	<5	0.23	3	8	11	12	2.07	<10	0.43	120	10	<.01	44	570	12	5	<20	6	0.03	<10	86	<10	2	497
16	137416	1.8	0.69	5	165	<5	0.28	5	11	8	37	2.33	10	0.14	85	13	<.01	56	560	10	5	<20	10	<.01	<10	71	<10	10	448
17	137417	1.6	0.43	<5	70	<5	3.65	<1	5	11	20	1.47	10	0.23	175	4	<.01	54	690	4	<5	<20	14	<.01	<10	15	<10	17	158
18	137418	<.2	0.94	15	90	<5	0.14	<1	10	7	17	2.07	<10	0.15	50	15	<.01	46	220	10	<5	<20	5	0.01	<10	33	<10	<1	127
19	137419	<.2	1.34	<5	175	<5	0.55	<1	6	10	8	1.66	<10	0.20	235	3	<.01	25	180	12	<5	<20	10	0.03	<10	22	<10	8	129
20	137420	<.2	0.82	10	125	<5	0.39	<1	12	7	12	2.06	<10	0.13	120	17	<.01	50	140	14	<5	<20	7	0.01	<10	51	<10	9	151
21	137421	0.4	1.28	15	130	<5	1.66	4	10	18	34	2.60	10	0.77	197	23	<.01	83	270	14	20	<20	21	<.01	<10	188	<10	25	361
22	137422	<.2	2.29	10	130	<5	0.46	4	5	8	12	1.29	<10	0.16	82	<1	0.03	43	3070	12	<5	<20	26	0.10	<10	107	<10	14	175
23	137423	0.6	0.96	<5	120	<5	1.07	3	3	15	6	1.22	10	0.27	132	2	<.01	34	400	8	<5	<20	9	0.01	<10	32	<10	17	237
24	137424	0.6	1.18	<5	85	<5	1.09	<1	3	22	8	1.32	20	0.38	111	1	<.01	41	590	8	10	<20	10	0.01	<10	19	<10	30	136
25	137425	0.4	1.13	<5	65	<5	0.77	<1	4	18	7	1.27	20	0.40	104	2	<.01	41	230	8	5	<20	4	0.01	<10	17	<10	19	106

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	137426	0.8	1.14	<5	60	<5	0.71	<1	4	20	8	1.38	20	0.40	200	2	<.01	40	150	8	<5	<20	6	0.01	<10	21	<10	24	119
27	137427	0.4	1.03	<5	50	<5	0.62	<1	3	19	6	1.31	20	0.36	79	2	<.01	39	80	6	5	<20	2	<.01	<10	21	<10	24	97
28	137428	<.2	1.86	<5	710	<5	0.60	<1	2	14	6	1.63	20	0.23	117	<1	0.02	29	320	12	<5	<20	10	0.05	<10	18	<10	14	126
29	137429	0.8	1.37	<5	220	<5	0.72	<1	5	22	12	2.21	30	0.33	87	3	<.01	48	130	6	<5	<20	8	0.01	<10	34	<10	33	104
30	137430	<.2	0.77	<5	110	<5	0.12	<1	4	10	6	1.32	<10	0.24	46	2	<.01	19	90	4	<5	<20	1	0.01	<10	22	<10	<1	56
31	137431	<.2	1.46	<5	150	<5	0.17	<1	4	10	3	1.29	<10	0.26	47	1	<.01	16	70	10	<5	<20	5	0.02	<10	21	<10	<1	49
32	137432	3.6	0.63	<5	70	<5	8.28	1	5	11	19	1.26	10	0.85	144	3	<.01	37	390	2	15	<20	25	<.01	<10	24	<10	22	60
33	137433	<.2	1.67	<5	175	<5	0.59	<1	6	16	6	2.13	<10	0.65	81	4	<.01	24	100	12	10	<20	7	0.02	<10	60	<10	5	102
34	137434	<.2	2.87	5	295	5	1.21	2	8	19	10	3.02	30	1.00	187	3	0.01	34	170	18	10	<20	15	0.05	<10	57	<10	27	259
35	137435	<.2	0.59	25	80	<5	12.30	9	6	11	31	1.54	<10	2.34	220	22	<.01	64	700	6	40	<20	115	<.01	<10	189	<10	9	276
36	137436	1.2	1.18	<5	290	<5	0.70	<1	5	17	14	2.15	30	0.29	101	3	<.01	43	220	8	<5	<20	10	0.02	<10	25	<10	37	97
37	137437	<.2	1.73	5	500	5	0.61	1	2	13	4	1.54	<10	0.18	159	<1	0.01	28	640	14	<5	<20	13	0.04	<10	24	<10	5	279
38	137438	0.8	1.02	5	440	<5	0.47	11	5	12	11	1.47	<10	0.19	484	4	<.01	31	900	10	<5	<20	9	0.02	<10	70	<10	7	598
39	137439	<.2	0.85	20	260	<5	0.27	5	8	9	15	1.78	<10	0.14	159	26	<.01	51	840	12	<5	<20	9	0.01	<10	144	<10	4	599
40	137440	<.2	1.72	30	475	<5	0.21	5	6	10	13	2.35	<10	0.15	65	27	0.01	90	1750	18	5	<20	23	0.03	<10	164	<10	3	702
41	137441	<.2	1.66	20	210	5	0.20	5	7	15	14	2.07	<10	0.19	54	27	<.01	65	1280	20	10	<20	18	0.02	<10	350	<10	3	857
42	137442	<.2	1.30	5	275	<5	0.31	1	5	10	4	1.74	<10	0.21	131	5	<.01	32	140	12	<5	<20	9	0.02	<10	81	<10	<1	277
43	137443	<.2	1.02	<5	140	<5	0.17	<1	8	6	10	1.77	<10	0.11	63	12	<.01	35	100	8	<5	<20	4	0.02	<10	36	<10	<1	97
44	137444	<.2	0.97	<5	125	<5	0.22	<1	5	8	6	1.47	<10	0.24	54	6	<.01	21	110	8	<5	<20	5	0.02	<10	53	<10	1	139
45	137445	<.2	1.70	10	175	<5	0.26	<1	8	8	8	1.82	<10	0.18	108	5	0.01	45	740	14	<5	<20	9	0.04	<10	30	<10	2	205
46	137446	<.2	0.71	15	120	<5	0.15	<1	8	5	18	2.60	<10	0.09	80	23	<.01	43	210	6	<5	<20	5	0.01	<10	23	<10	3	121
47	137447	<.2	0.57	20	175	<5	0.12	2	4	8	19	1.98	<10	0.10	51	45	<.01	36	880	16	<5	<20	12	<.01	<10	205	<10	3	328
48	137448	<.2	0.90	<5	160	<5	0.19	2	2	10	4	0.99	<10	0.19	107	6	<.01	21	660	10	<5	<20	6	0.01	<10	153	<10	2	182
49	137449	<.2	1.56	<5	120	5	0.38	<1	6	17	9	2.26	20	0.63	80	4	<.01	26	160	10	5	<20	4	0.02	<10	41	<10	14	98
50	137450	<.2	1.70	10	165	<5	2.23	1	10	20	22	2.90	30	1.71	261	7	<.01	40	400	16	10	<20	19	0.01	<10	67	<10	34	97
51	7285	<.2	0.72	<5	75	<5	0.32	<1	7	7	12	1.61	10	0.19	103	5	<.01	22	160	8	<5	<20	5	0.01	<10	16	<10	9	88
52	7286	<.2	2.87	5	340	<5	1.46	2	9	23	14	3.15	40	2.14	360	3	0.01	28	300	20	15	<20	17	0.04	<10	41	<10	20	88
53	7287	<.2	2.32	10	255	<5	0.25	<1	4	10	5	1.50	<10	0.19	76	<1	0.01	20	1020	14	<5	<20	9	0.06	<10	15	<10	2	127
54	7288	<.2	1.71	<5	160	<5	0.43	<1	3	14	5	1.30	<10	0.22	76	<1	<.01	19	740	10	<5	<20	7	0.04	<10	13	<10	5	127
55	7289	<.2	1.59	5	160	<5	0.43	<1	3	10	5	1.10	10	0.20	77	<1	0.02	20	500	10	<5	<20	11	0.05	<10	12	<10	14	161
56	7290	<.2	1.09	<5	95	<5	0.69	<1	3	15	4	1.23	<10	0.29	144	2	<.01	15	190	8	5	<20	6	0.01	<10	12	<10	6	82
57	7291	<.2	2.13	<5	200	<5	0.72	<1	3	17	4	1.47	10	0.27	140	<1	0.01	13	180	12	<5	<20	12	0.06	<10	12	<10	10	99
58	7292	<.2	1.65	<5	175	<5	0.36	<1	4	14	3	1.55	<10	0.29	327	<1	<.01	15	100	12	<5	<20	9	0.03	<10	16	<10	3	64
59	7293	0.4	1.50	<5	120	<5	0.47	<1	4	16	6	1.87	20	0.39	90	2	<.01	27	80	10	<5	<20	6	0.02	<10	20	<10	19	59
60	7294	<.2	1.46	<5	120	<5	0.80	<1	3	13	4	1.31	<10	0.38	207	<1	<.01	13	210	16	5	<20	9	0.03	<10	16	<10	2	64

Et #.	Tag #	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
61	7295	<.2	2.07	<5	140	<5	0.38	<1	4	13	4	1.35	<10	0.24	72	<1	0.01	15	120	12	<5	<20	12	0.06	<10	13	<10	3	48
62	7296	0.2	1.66	<5	75	<5	1.05	<1	4	27	5	1.56	30	0.51	216	<1	<.01	20	210	10	5	<20	10	0.02	<10	17	<10	26	68
63	7297	<.2	1.52	5	110	<5	0.65	<1	3	24	4	1.53	10	0.42	130	1	<.01	16	130	8	5	<20	8	0.03	<10	16	<10	10	62
64	7298	<.2	1.91	<5	155	5	0.65	<1	3	11	4	1.16	<10	0.23	87	<1	0.02	14	310	12	5	<20	16	0.06	<10	14	<10	6	95
65	7299	<.2	1.66	<5	80	<5	0.26	<1	3	19	3	1.24	<10	0.30	51	<1	<.01	14	510	10	<5	<20	5	0.03	<10	16	<10	2	52
66	7300	0.4	2.18	5	110	<5	0.69	<1	5	25	5	1.68	20	0.43	124	<1	<.01	24	170	14	<5	<20	7	0.04	<10	16	<10	24	66
67	7101	<.2	1.24	<5	200	<5	0.20	<1	4	9	8	1.43	<10	0.26	70	4	<.01	25	160	8	<5	<20	5	0.02	<10	52	<10	<1	180
68	7102	<.2	2.03	<5	280	<5	0.19	3	5	11	5	1.63	<10	0.25	205	<1	0.02	29	910	14	5	<20	9	0.06	<10	49	<10	3	383
69	7103	<.2	1.11	10	170	<5	0.19	2	5	9	10	1.69	<10	0.29	72	9	<.01	32	460	10	<5	<20	6	0.02	<10	66	<10	3	206
70	7104	<.2	0.87	10	360	<5	0.31	2	7	15	22	2.30	20	0.44	76	13	<.01	51	340	10	5	<20	7	<.01	<10	98	<10	20	206
71	7105	<.2	2.17	10	580	<5	0.33	3	5	16	9	2.08	<10	0.34	159	5	0.01	48	970	16	<5	<20	12	0.03	<10	77	<10	3	387
72	7106	<.2	1.37	20	345	<5	0.18	6	10	15	18	2.83	<10	0.35	148	36	0.01	80	1280	16	<5	<20	23	0.01	<10	189	<10	4	712
73	7107	<.2	1.69	<5	305	<5	0.22	5	5	13	7	1.69	<10	0.19	209	2	<.01	34	1590	10	<5	<20	11	0.03	<10	43	<10	2	408
74	7108	<.2	2.48	5	435	<5	0.58	4	5	13	6	1.77	<10	0.19	273	<1	0.02	28	1850	16	<5	<20	17	0.06	<10	39	<10	7	308
75	7109	<.2	1.02	25	330	<5	0.27	6	9	12	23	2.76	<10	0.20	140	35	<.01	76	770	14	5	<20	20	0.01	<10	183	<10	3	505
76	7110	0.6	1.59	10	350	<5	0.64	14	6	16	15	1.81	10	0.17	327	4	0.01	42	1060	12	5	<20	13	0.04	<10	65	<10	17	661
77	7111	0.8	1.10	15	490	<5	1.05	5	10	22	52	3.02	20	0.33	182	17	<.01	98	410	14	<5	<20	16	<.01	<10	123	<10	41	397
78	7112	1.2	0.65	10	265	<5	0.50	3	13	11	53	2.72	20	0.12	207	6	<.01	82	610	12	<5	<20	12	<.01	<10	54	<10	38	285
79	7113	<.2	0.63	10	95	<5	7.23	1	10	9	34	2.23	<10	1.30	255	7	<.01	48	790	10	20	<20	62	<.01	<10	27	<10	21	66
80	7114	<.2	1.41	<5	230	<5	0.47	<1	8	10	9	2.27	<10	0.25	196	4	<.01	27	100	14	<5	<20	11	0.03	<10	27	<10	7	69
81	7115	0.2	1.54	30	205	<5	0.96	2	33	11	50	4.83	<10	0.23	87	59	0.01	159	270	22	<5	<20	14	0.02	<10	73	<10	29	590
82	7116	<.2	1.04	10	205	5	0.33	<1	12	7	13	3.00	<10	0.12	277	23	<.01	49	180	12	<5	<20	8	0.02	<10	38	<10	1	157
83	7117	<.2	1.41	10	270	<5	0.18	<1	8	9	9	2.18	<10	0.24	67	10	<.01	35	100	10	<5	<20	7	0.02	<10	49	<10	<1	139
84	7118	<.2	0.99	5	760	<5	0.46	1	7	14	19	2.82	<10	0.24	271	12	<.01	49	320	16	<5	<20	13	0.01	<10	60	<10	3	280
85	7119	<.2	1.29	40	245	<5	0.30	9	8	19	37	3.16	<10	0.61	180	57	<.01	64	1050	30	20	<20	17	0.01	<10	338	<10	6	652
86	7120	<.2	2.60	45	295	<5	0.20	6	8	27	25	3.11	<10	0.54	70	28	<.01	163	2540	24	15	<20	15	0.02	<10	517	<10	4	855
87	7121	<.2	0.64	50	270	<5	0.32	<1	2	9	17	2.00	<10	0.11	32	61	0.01	35	390	24	20	<20	18	<.01	<10	393	<10	<1	175
88	7122	<.2	2.39	20	425	5	0.24	1	8	16	12	2.68	<10	0.57	146	21	0.01	55	1040	20	10	<20	21	0.04	<10	126	<10	3	319
89	7123	0.4	1.44	40	500	<5	0.61	38	6	21	52	2.64	<10	0.48	641	33	0.01	109	1250	24	15	<20	35	0.02	<10	391	<10	13	676
90	7124	<.2	1.27	30	180	5	0.20	8	10	18	20	2.39	<10	0.71	191	23	<.01	59	520	14	20	<20	8	<.01	<10	218	<10	4	667
91	7125	<.2	1.45	30	200	<5	0.07	8	10	19	16	2.45	<10	0.36	125	34	<.01	53	1820	18	15	<20	9	0.01	<10	468	<10	3	731
92	7126	<.2	2.12	15	245	<5	0.47	13	9	23	19	2.75	10	0.64	253	24	0.01	80	1440	22	10	<20	22	0.02	<10	312	<10	12	601
93	7127	<.2	2.04	25	270	<5	0.40	8	10	21	21	2.74	10	0.65	168	25	<.01	69	660	22	10	<20	17	0.02	<10	327	<10	16	434

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
QC/DATA:																													
Repeat:																													
1	137401	<.2	0.81	15	90	<5	0.24	<1	11	8	24	2.50	<10	0.40	126	19	<.01	57	230	10	<5	<20	6	0.01	<10	30	<10	10	145
10	137410	2.8	0.72	<5	275	<5	1.43	1	6	17	24	2.14	20	0.17	247	5	<.01	73	340	8	<5	<20	11	<.01	<10	21	<10	24	209
19	137419	<.2	1.35	<5	190	<5	0.61	<1	6	10	8	1.72	10	0.21	255	3	<.01	26	200	12	<5	<20	11	0.02	<10	22	<10	9	133
28	137428	<.2	1.87	<5	730	<5	0.62	<1	2	13	6	1.67	20	0.24	120	<1	0.01	30	330	12	<5	<20	11	0.05	<10	19	<10	15	122
36	137436	1.2	1.10	<5	280	<5	0.71	<1	5	15	14	2.05	30	0.27	97	3	<.01	42	200	8	5	<20	9	0.02	<10	23	<10	36	94
45	137445	<.2	1.73	10	180	<5	0.26	<1	8	8	10	1.90	<10	0.18	109	6	0.01	46	770	14	<5	<20	9	0.04	<10	30	<10	2	205
54	7288	<.2	1.72	<5	165	<5	0.44	<1	3	14	5	1.34	<10	0.23	78	<1	<.01	19	750	10	<5	<20	7	0.04	<10	13	<10	5	130
63	7297	<.2	1.44	<5	110	<5	0.67	<1	3	23	4	1.52	10	0.41	132	<1	<.01	15	130	10	<5	<20	6	0.02	<10	16	<10	10	61
71	7105	<.2	2.08	5	530	<5	0.34	3	5	15	9	1.94	<10	0.33	147	4	0.01	45	950	14	<5	<20	11	0.03	<10	77	<10	3	377
80	7114	<.2	1.50	10	235	<5	0.47	<1	8	11	10	2.32	<10	0.25	199	4	<.01	28	110	14	<5	<20	12	0.04	<10	29	<10	7	72
89	7123	0.4	1.54	35	550	<5	0.66	40	6	24	55	2.73	<10	0.52	675	33	0.01	112	1280	28	20	<20	37	0.02	<10	409	<10	14	680
Standard:																													
GEO'95		1.2	1.68	70	155	<5	1.65	<1	18	58	88	3.89	<10	0.89	649	<1	0.01	26	640	18	5	<20	56	0.10	<10	73	<10	4	73
GEO'95		1.0	1.63	75	150	<5	1.60	2	17	56	87	3.81	<10	0.90	639	<1	0.01	26	620	18	5	<20	53	0.10	<10	72	<10	4	73
GEO'95		1.4	1.65	70	150	<5	1.60	<1	20	55	82	3.98	<10	0.85	624	<1	0.02	24	640	20	5	<20	55	0.12	<10	74	<10	5	72

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

df/730
XLS/95Teck#4

APPENDIX IV: ANALYTICAL 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 sieves.

2. Rock, Core: Samples dried (if necessary), crushed, riffled to pulp size and pulverized to approximately -140 mesh.

3. Humus/Vegetation: The dry sample is ashed at 550 C. for 5 hours.

METHODS OF ANALYSIS

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

1. MULTI ELEMENT ANALYSES

(a) ICP Packages (6,12,30 element).

Digestion	Finish
Hot Aqua Regin	ICP

(b) ICP - Total Digestion (24 element).

Digestion	Finish
Hot HClO4/HNO3/HF	ICP

(c) Atomic Absorption (Acid Soluble)
Ag*, Cd*, Cr, Co*, Cu, Fe, Pb*, Mn, Mo, Ni*, Zn.

Digestion	Finish
Hot Aqua Regia	Atomic Absorption * = Background corrected

(d) Whole Rock Analyses.

Digestion	Finish
Lithium Metaborate fusion	ICP

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2. Antimony

Digestion	Finish
Hot aqua regia	ICP

3. Arsenic

Digestion	Finish
Hot aqua regia	Hydride generation - A.A.S.

4. Barium

Digestion	Finish
Lithium Metaborate	ICP

5. Beryllium

Digestion	Finish
Hot aqua regia	Atomic Absorption

6. Bismuth

Digestion	Finish
Hot aqua regia	Atomic Absorption (Background Corrected)

7. Chromium

Digestion	Finish
Sodium Peroxide Fusion	Atomic Absorption

8. Flourine

Digestion	Finish
Lithium Metaborate Fusion	Ion Selective Electrode

ECO-TECH LABORATORIES LTI
ASSAYING - ENVIRONMENTAL TESTING
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9. Gallium

Digestion	Finish
Hot HClO4/HNO3/HF	Atomic Absorption

10. Germanium

Digestion	Finish
Hot HClO4/HNO3/HF	Atomic Absorption

11. Mercury

Digestion	Finish
Hot aqua regia	Cold vapor generation - A.A.S.

12. Phosphorus

Digestion	Finish
Lithium Metaborate Fusion	ICP finish

13. Selenium

Digestion	Finish
Hot aqua regia	Hydride generation - A.A.S.

14. Tellurium

Digestion	Finish
Hot aqua regia Potassium Bisulphate Fusion	Hydride generation - A.A.S. Colorimetric or 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

GEOCHEMICAL LABORATORY METHODS

Multi Element ICP Analyses

Digestion: 1 gram sample is digested with 6 ml dilute aqua regia in a waterbath at 90°C for 90 minutes and diluted to 20 ml.

Analysis: Inductively coupled Plasma.

APPENDIX V: SAMPLE DESCRIPTIONS

APPENDIX V: SOIL SAMPLE DESCRIPTIONS, TED GRID

Sample	N/S(m)	E(m)	Horiz.	Colour	Text.	Chips	Slope	Comments
7285	1200S	100	BM	PALE BR	SS	LS,SH	MOD	clearcut
137445	1200S	150	BF	ORG/BR	SS	LS,SH	MOD	clearcut
137446	1200S	200	BF	ORG/BR	SS	LS,SH	LOW	clearcut
137447	1200S	250	BM	MED BR	SS	LS,SH	LOW	clearcut
137448	1200S	300	BM	GREY BR	SS	LS,SH	MOD	clearcut
137449	1200S	350	BF	ORG BR	SS	LS	MOD	clearcut
137450	1200S	400	BF	ORG BR	SS	LS	LOW	clearcut
7286	1200S	450	BM	ORG BR	SSC	LS	LOW	clearcut
7287	1200S	500	BM	MED BR	SS	LS	LOW	clearcut
7288	1200S	550	BM	PALE BR	SS	LS	LOW	forest edge
7289	1200S	600	BM	MED BR	SS	LS	LOW	forest
7290	1200S	650	BM	MED BR	SS	LS	LOW	forest
7291	1200S	700	BM	MED BR	SS	LS	LOW	forest

Sample	N/S(m)	E(m)	Horiz.	Colour	Text.	Chips	Slope	Comments
7292	1000S	200	BM	PALE BR	SS	LS	STEEP	clearcut
7293	1000S	250	BF	ORG BR	SS	LS	MOD	clearcut
7294	1000S	300	BM	PALE BR	SS	LS	LOW	clearcut
7295	1000S	350	BM	PALE BR	SS	LS	MOD	clearcut
7296	1000S	400	BM	PALE BR	SS	LS	MOD	ls oc,forest
7297	1000S	450	BM	PALE BR	SS	LS	STEEP	forest
7298	1000S	500	BM	MED BR	SS	LS	MOD	forest
7299	1000S	550	BM	MED BR	SS	LS	MOD	forest
7300	1000S	600	BM	PALE BR	SSC	LS	STEEP	burn

Sample	N/S(m)	E(m)	Dep.-cm	Horiz.	Colour	Chips	Slope	Comments
137402	800S	50	40	B	RED BR	LS	STEEP	clearcut
137401	800S	100	15	B	RED BR	LS,SH	STEEP	clearcut
137403	800S	150	25	C	BUFF	LS	STEEP	clearcut
137404	800S	200	25	B	RED/BUFF	SH,LS	MOD	clearcut/burn
137405	800S	250	30	B	TAN	SH,LS	MOD	clearcut/burn
137406	800S	300	25	C	BR/TAN	LS,SH	MOD	clearcut/burn/talus
137407	800S	350	40		DK BR	LS,SH	MOD	clearcut/burn/talus
137408	800S	400	30	B	MED BR	LS,SH	MOD	clearcut/burn/talus
137409	800S	450	30		DK BR	SH,LS	MOD	clearcut/burn/talus
137410	800S	500	30	B	LT BR	SH,LS	STEEP	burn/talus/ls contact

Sample	N/S(m)	E(m)	Dep.-cm	Horiz.	Colour	Chips	Slope	Comments
137411	600S	100	25	B	RED BR	LS	MOD	clearcut/burn
137412	600S	155	30	B	RED BR	SH	STEEP	clearcut/burn
137413	600S	200	20	B	RED BR	SH	MOD	clearcut/burn
137414	600S	250	20	B	RED BR	SH	MOD	clearcut/burn
137415	600S	300	15	B	RED BR	SH	MOD	clearcut/burn
137416	600S	350	15	B	RED BR	SH	LOW	clearcut/burn
137417	600S	400	30	TAL	DK BR	LS	MOD	burn
137418	600S	50	15	B	RED BR	LS	STEEP	clearcut/burn
137419	600S	0	30	TAL	MED BR	LS	STEEP	clearcut/burn

Sample	N/S(m)	E(m)	Dep.-cm	Horiz.	Colour	Chips	Slope	Comments
137436	400S	0	20	B	LT TAN	LS	LOW	clearcut/burn
137420	400S	50		BM	PALE BR	LS	MOD	clearcut
137421	400S	100	25		MED BR	LS	STEEP	clearcut/burn
137422	400S	150	20	B	ORG BR	LS	MOD	clearcut/burn
137423	400S	200	40	TAL	BR	LS,SH	MOD	clearcut/burn
137424	400S	250	35	TAL	RED BR	LS,SH	MOD	clearcut/burn
137425	400S	300	35	TAL	DK TAN	LS,SH	MOD	clearcut/burn
137426	400S	350	35	TAL	BR	LS	STEEP	clearcut/burn
137427	400S	400	30	TAL	LT TAN	LS	STEEP	forest

Sample	N/S(m)	E(m)	Dep.-cm	Horiz.	Colour	Chips	Slope	Comments
137428	200S	400	15	B	RED BR	LS	MOD	clearcut/burn
137429	200S	350	25	B	ORG TAN	LS,SH	MOD	clearcut/burn
137430	200S	300	15	B	RED/LT TAN		MOD	clearcut/burn
137431	200S	250	15	B	RED TAN	LS,SH	MOD	clearcut/burn
137432	200S	200	20	B	LT BR	LS,SH	MOD	clearcut/burn
137433	200S	150	20	B	PNK BR	LS	STEEP	clearcut/burn
137434	200S	100	20		PNK TAN	SH,LS	MOD	clearcut/burn
137435	200S	50	20		DK BR	SH	STEEP	clearcut/burn

Sample	N/S(m)	E(m)	Dep.-cm	Horiz.	Colour	Chips	Slope	Comments
137437	0	350	10	B	RED BR	LS,SH	MOD	clearcut/burn
137438	0	300	15	B	GREY BR	SH	MOD	clearcut/burn
137439	0	250	20	B	RED BR	SH,LS	MOD	clearcut/burn
137440	0	200	20	B	RED BR	SH,LS	MOD	clearcut/burn
137441	0	150	15	B	RED BR	SH,LS	MOD	clearcut/burn
137442	0	100	20	B	RED BR	SH,LS	MOD	clearcut/burn
137443	0	50	10	B	RED BR	SH,LS	MOD	clearcut/burn
137444	0	0	15	B	RED TAN	LS,SH	MOD	clearcut/burn

Sample	N/S(m)	E(m)	Horiz.	Colour	Text.	Chips	Slope	Comments
7101	200N	0	BM	WH/PALE BR	SS	LS,SH	LOW	clearcut
7102	200N	50	BM	RED/ORG/BR	SSC	LS,SH	MOD	clearcut/burn
7103	200N	100	BM	MED BR	SS	LS,SH	LOW	clearcut/burn
7104	200N	150	BM	MED BR	SS	LS,SH	LOW	clearcut/burn
7105	200N	200	BM	RED BR	SSC	LS,SH	LOW	clearcut/burn
7106	200N	250	BM	MED BR	SSC	LS,SH	LOW	clearcut/burn
7107	200N	300	BM	MED BR	SS	LS	LOW	clearcut/burn
7108	200N	350	BF	ORG BR	SSC	LS	LOW	clearcut/burn
7109	200N	400	BM	ORG BR	SSC	LS,SH	LOW	clearcut/burn
7110	200N	450	BM	MED BR	SSC	LS,SH	LOW	clearcut/burn
7111	200N	500	BT	OL/GREY	SS	LS	LOW	clearcut/burn
7112	200N	550	BM	MED BR	SS	LS	MOD	clearcut/burn

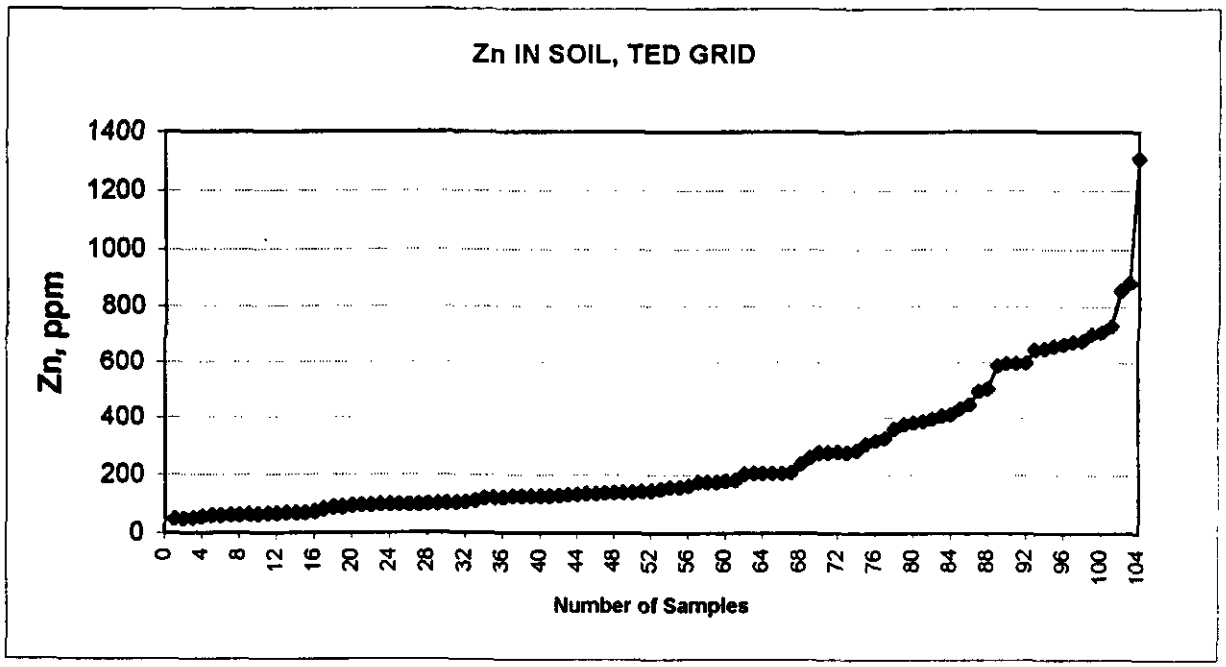
Sample	N/S(m)	E(m)	Horiz.	Colour	Text.	Chips	Slope	Comments
7113	400N	100	BM	MED BR	SS	LS	MOD	clearcut/burn
7114	400N	150	BM	RED BR	SS	LS	MOD	clearcut/burn
7115	400N	200	BF	ORG/RED/BR	SS	LS	MOD	clearcut/burn
7116	400N	250	BM	BR/WH	SS	LS	LOW	clearcut/burn
7117	400N	300	BM	RED BR	SS	LS	LOW	clearcut/burn
7118	400N	350	BM	PALE BR	SS	LS	LOW	clearcut/burn
7119	400N	400	BM	PALE BR	SS	LS	LOW	clearcut/burn
7120	400N	450	BM	MED BR	SS	LS	LOW	clearcut/burn
7121	400N	500	BM	PALE BR	SSC	SH,LS	LOW	clearcut/burn
7122	400N	550	BT	OL/GREY	SSC	SH	LOW	burn
7123	400N	600	BM	MED BR	SS	SH	LOW	burn
7124	400N	650	BM	MED BR	SS	SH	LOW	burn
7125	400N	700	BM	MED BR	SS	LS	LOW	burn
7126	400N	750	BT	OL/GREY	SSC	LS	LOW	burn
7127	400N	800	BM	MED BR	SSC	LS	LOW	burn

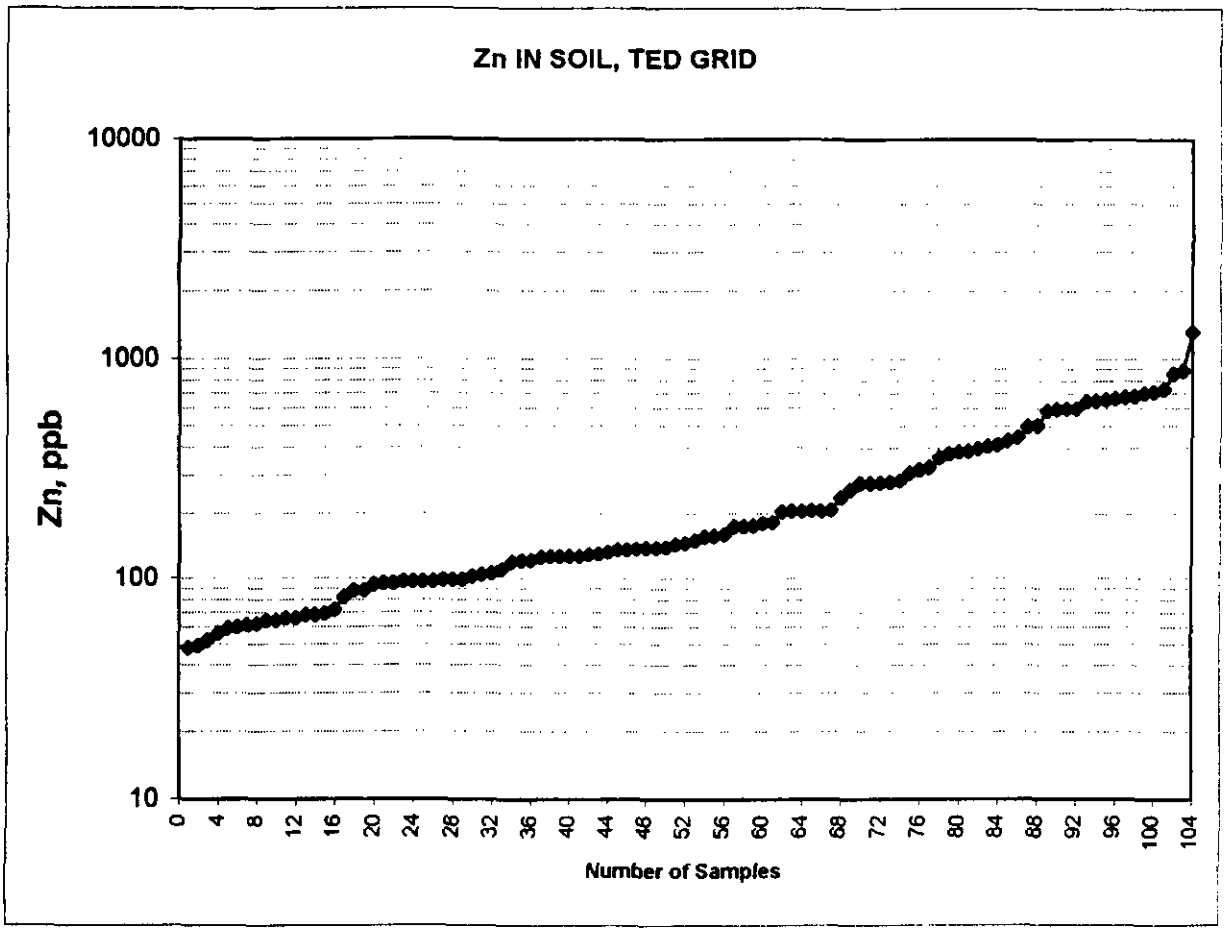
SOIL SAMPLE DESCRIPTION ABBREVIATIONS

Colour:	Texture:	Slope angles:
MED = medium	SS = sand/silt	LOW = 0-10 degrees
BR = brown	SSC = sand/silt/clay	MOD = 11-19 degrees
ORG = orange	LS = limestone (may be sandy)	STEEP = 20+ degrees
OL = olive	SH = black shale	
WH = white		

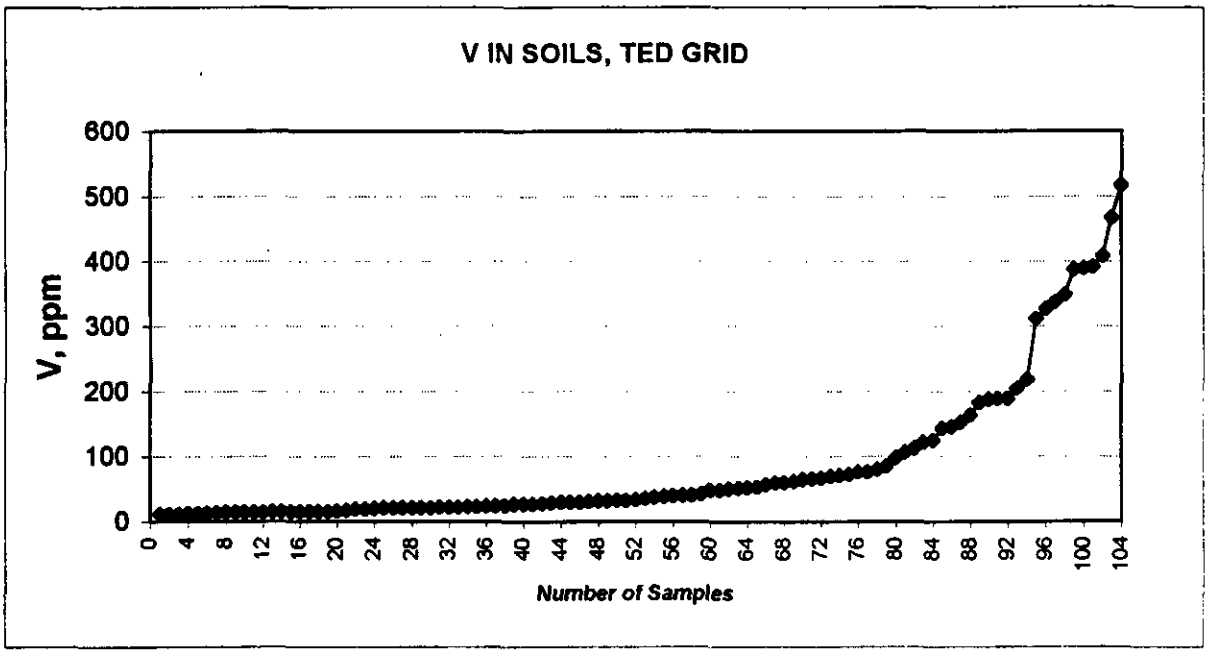
APPENDIX VI: STATISTICAL PLOTS

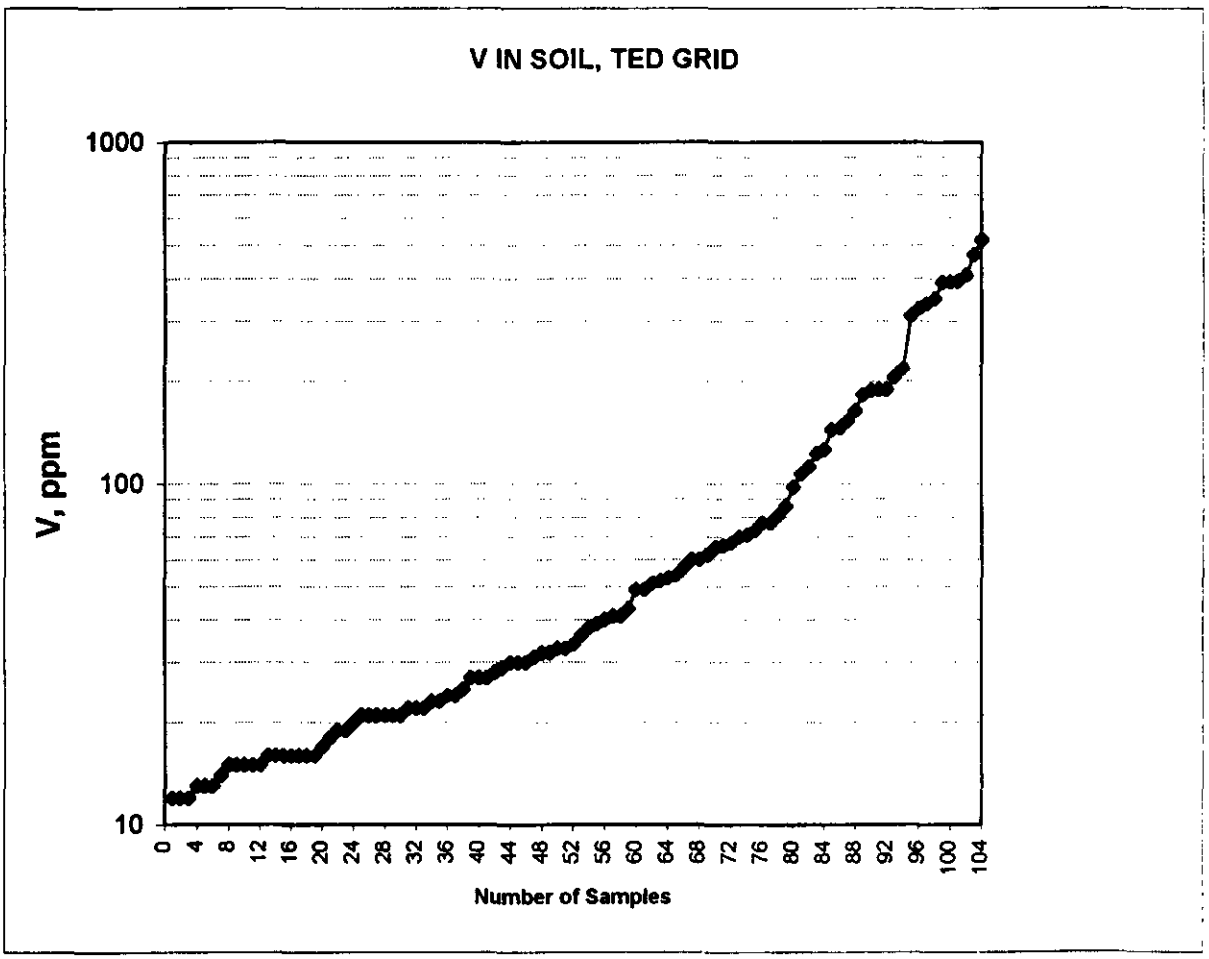
Appendix 6: Statistical Analysis - Zn vs Number of Samples



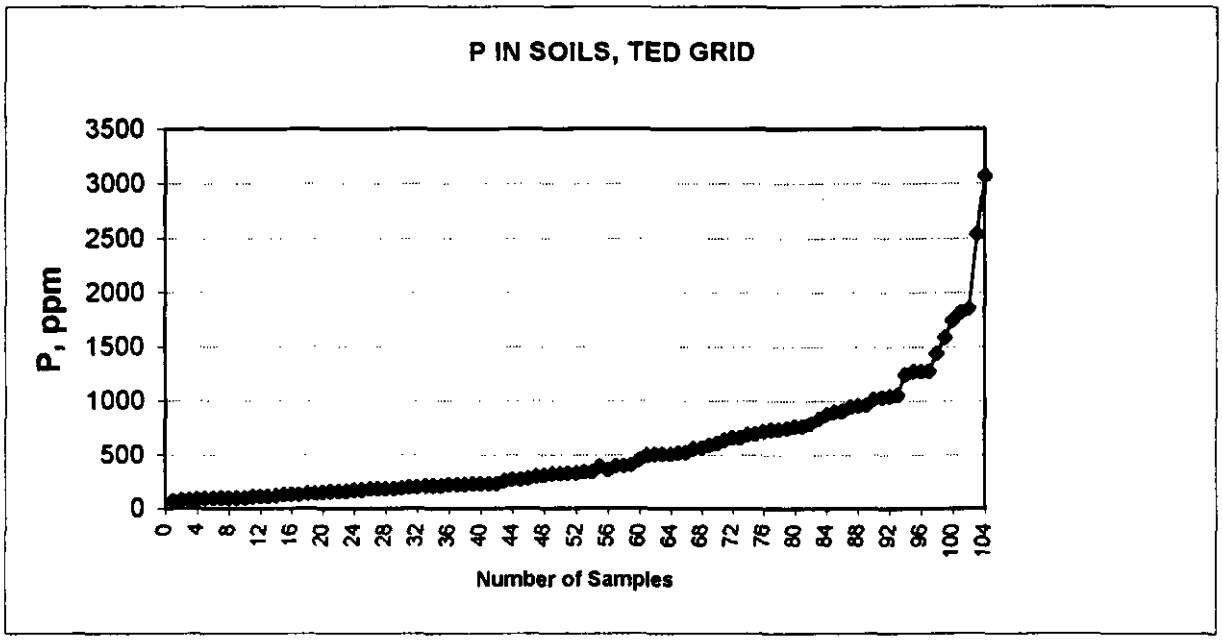


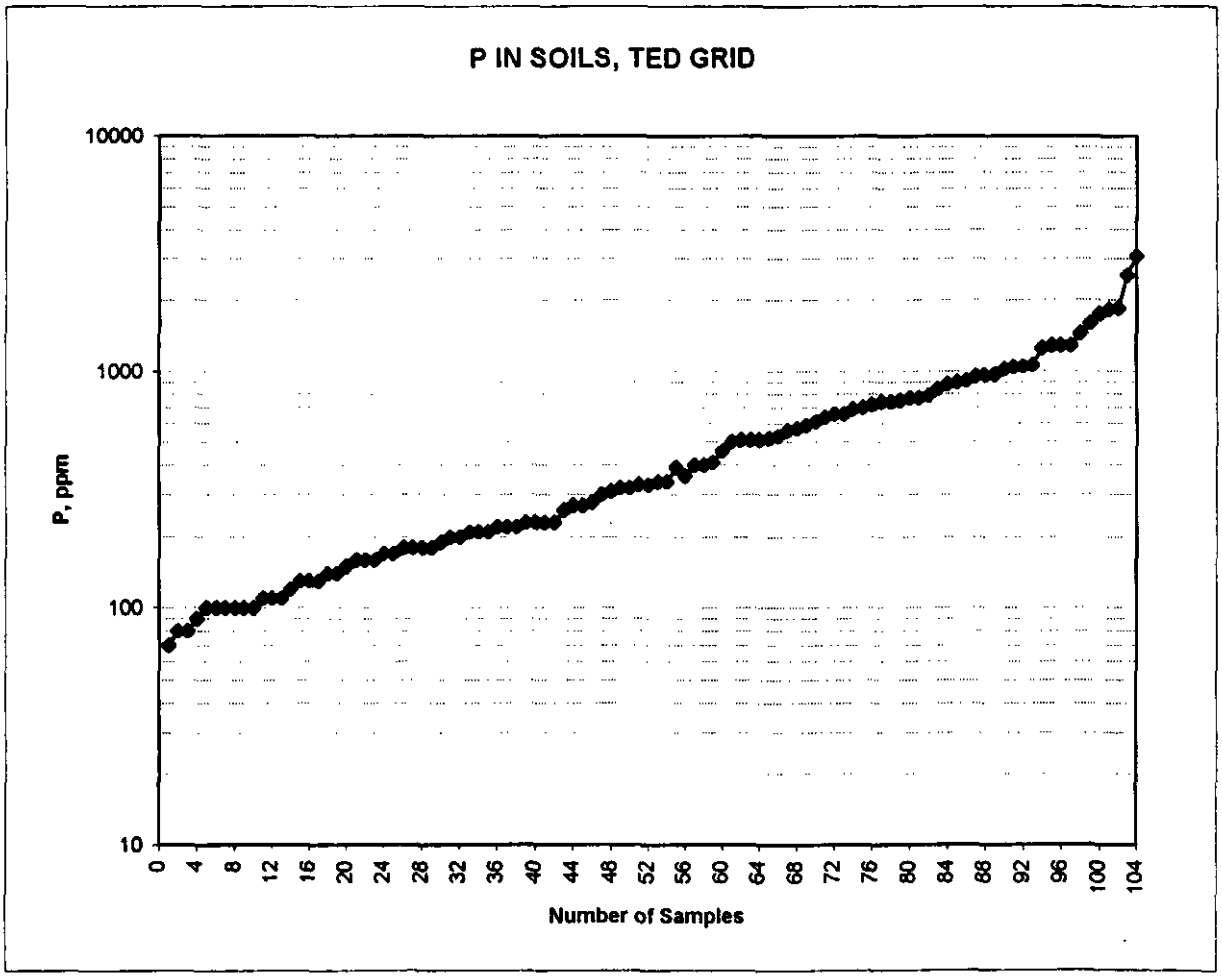
Appendix 6: Statistical Analysis - V vs Number of Samples



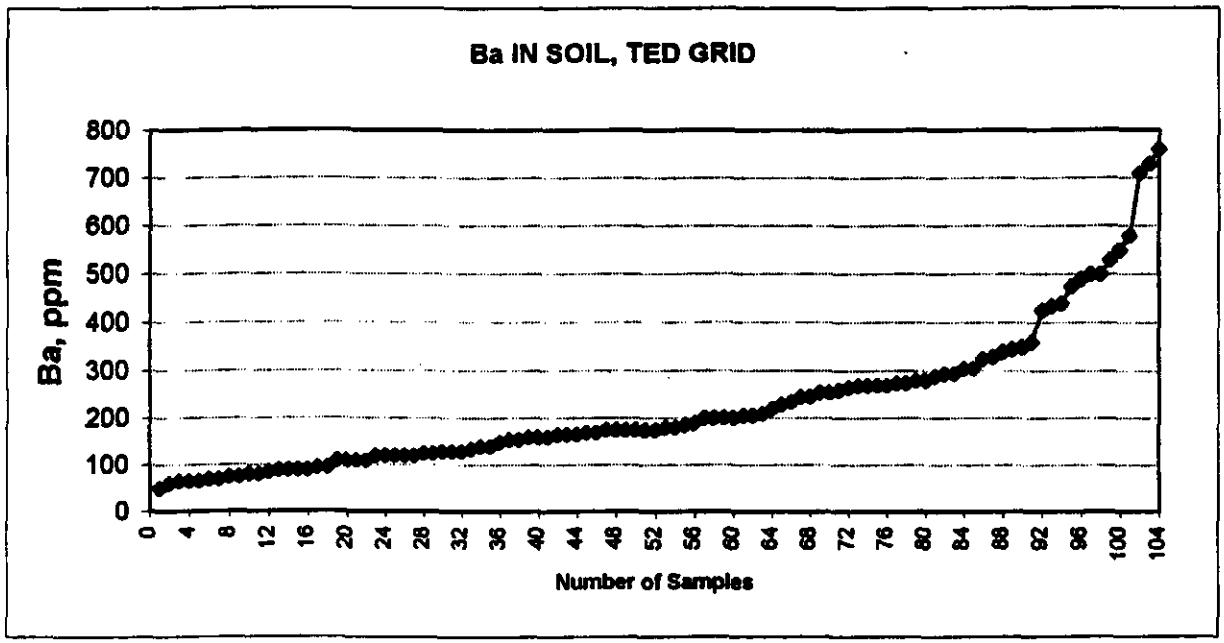


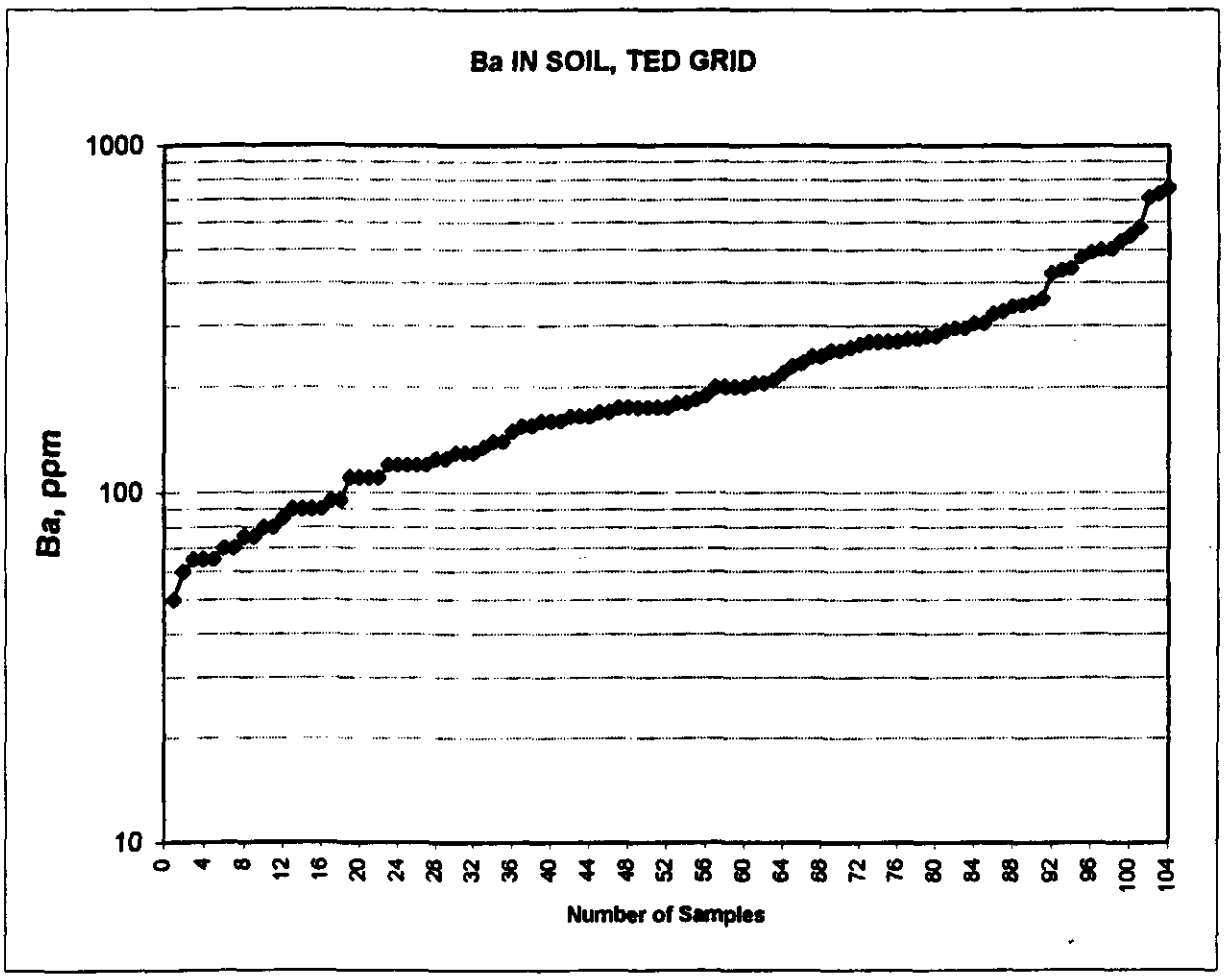
Appendix 6: Statistical Analysis - P vs Number of Samples





Appendix 6: Statistical Analysis - Ba vs Number of Samples





GEOLOGICAL BRANCH
ASSESSMENT REPORT

24,150

LEGEND

MISSISSIPPIAN

5	BANFF AND RUNDLE FORMATIONS Limestone, Chert

DEVONIAN

4	HARROGATE FORMATION a— black shale b— brown to grey shale, locally limy c— limy siltstone, siltstone d— limestone, local shaley limestone
3	BURNAIS FORMATION Evaporites—Gypsum
2	CEDARED FORMATION Dolomite, Sandstone, Limestone
1	BASAL DEVONIAN UNIT Quartzite, Argillaceous limestone, Limestone

KEY

- 4a OUTCROP
- 4b TALUS, local outcrop/subcrop
- GEOLOGIC CONTACT
- 40 BEDDING
- 60 FOLIATION
- 50 FRACTURE CLEAVAGE
- 4084 × 1991 Moss Mat sample with Zinc (ppm) value
- 10547 (543, 1.2, 1600, 395) Rock Sample with Zinc (ppm), Silver (ppm, Phosphorus (ppm) and Vanadium (ppm) values
- CLIFF
- STREAM
- ROAD, SKID TRAIL
- 1800 TOPOGRAPHIC CONTOUR – Interval 20 m
- TED CLAIMS CLAIM OUTLINE
- GRID AND SAMPLE STATION
GRID VALUES ARE: Zn, Ag, P, V, Ba ... all in ppm
- Zn ANOMALOUS Zinc
- P ANOMALOUS Phosphorous
- V ANOMALOUS Vanadium

FIGURE 5

TECK EXPLORATION LTD.

COYOTE PROPERTY

TED CLAIMS
GEOLOGY and GEOCHEMISTRY

0 100 200 300 400 500
metres

DATE DRAWN: JULY 2, 1995	SCALE: 1:5,000	DWG. NAME: COY-T-T
COMPILED BY: S.J.	JOB No: 1711	
DRAWN BY: S.A./L.M.	NTS:82G/14W,13E;82J/3W,4E	

(1)