

**ASSESSMENT REPORT**  
**Work on CK Group**  
**Kamloops Mining Division**  
**NTS 83M/13 West Raft River**  
**Latitude 51 degrees 52 minutes North**  
**Longitude 119 degrees 34 minutes West**  
**Map No. 082M/13E**

**Owner:**  
**PENTECO RESOURCES LIMITED**  
**131, Egnatoff Way**  
**Saskatoon, Saskatchewan S7J 7R9**

**Consultant: Tairex Exploration Limited**  
*Geological Consultants since 1976*

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Re-submitted: March 28, 2002

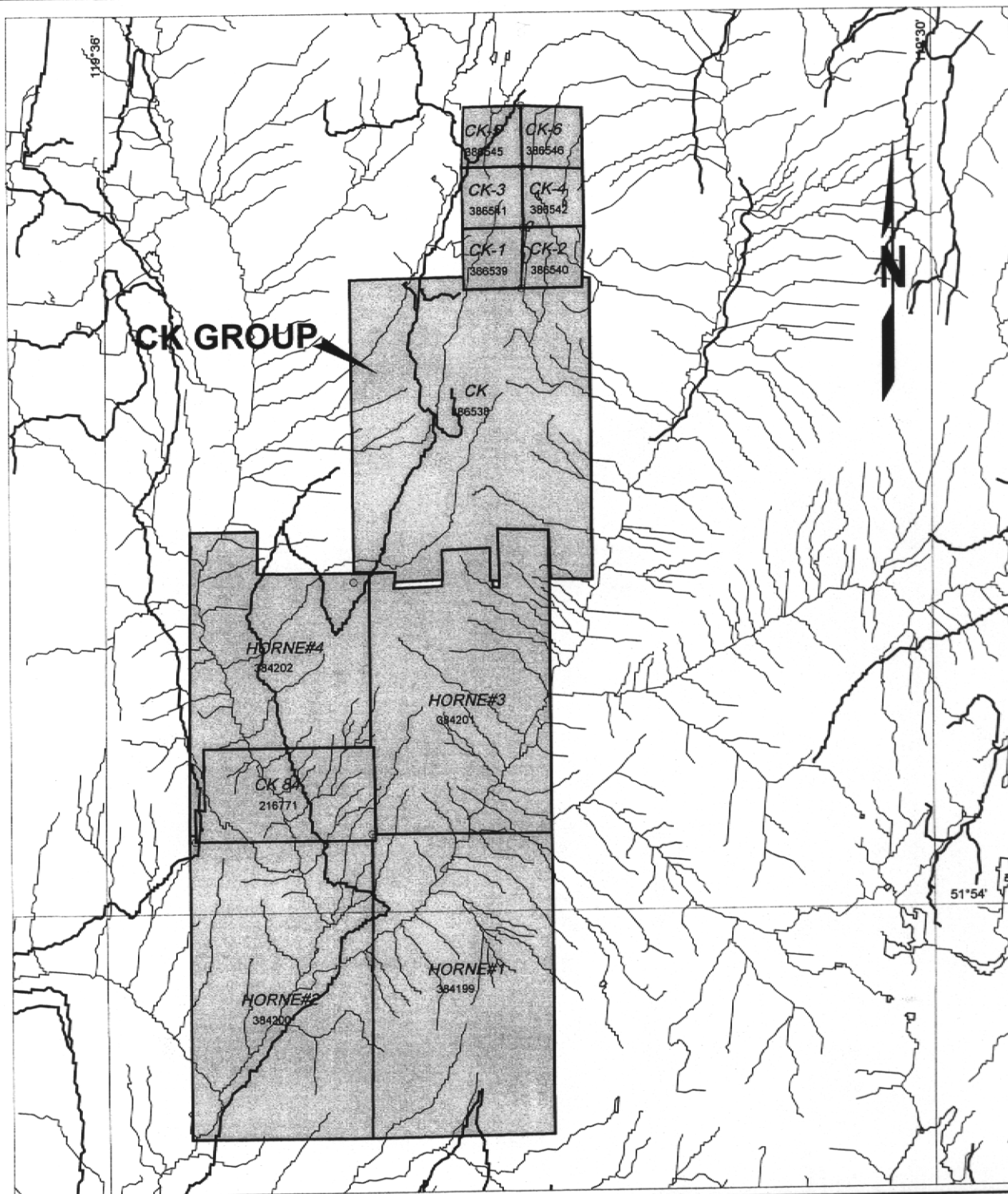
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## Table of Contents

1. Introduction	3
Figure 1. Location Map	
1.1 Location and Access to CK Group Mineral Property	3
1.2 Summary	3
1.3 Recommendations	4
1.4 History of CK Group Mineral Property	5
2. Summary of Work	5
2.1 Scope of Work	5
2.2 Prospecting	5
2.3 Line-cutting	5
2.4 Geophysics - Magnetometer Survey	5
Figure 2. Sample Locations & Magnetometer Survey	
Magnetic Profiles - Lines 1NE, 1N-4N & 1S	
2.5 Geology	5
Figure 3. Sketch of Outcrop with Sample Locations	
Assay Certificates - TSL Laboratories Inc.	
- Loring Laboratories Ltd.	
Geology Map from GSC Preliminary Series, Adams Lake, 82M	
Geology Map Legend	
3. Work Program	7
3.1 Prospecting	7
3.2 Geophysical - Magnetometer Survey	8
3.4 Geological	
4. Itemized Cost Statement	8
4.1 Cost Distribution	9
5. Statement of Geological Qualifications and Certification	9
6. References	10

GEOLOGICAL SURVEY BRANCH  
ASSESSMENT REPORT

26.786



NOTE:  
Part of 1:50,000 scale Mineral Titles Reference Map 082M/13E.

**PENTECO RESOURCES LTD.**

**DAHROUGE GEOLOGICAL CONSULTING LTD.**  
EDMONTON, ALBERTA

CK PROPERTY, CLEARWATER, B.C.

**Figure 1**  
**Location Map**

## 1. Introduction.

Figure 1. Location Map

**1.1 Location and Access to CK Group Mineral Property.** The claim group is located at Latitude 51 degrees, 52 minutes North and Longitude 119 degrees, 34 minutes West; reference: NTS Map West Raft River, 82 M/13. Access is via approximately 54 kilometres on Forestry Road #9, north of the town Clearwater. The CK Mineral consists of claims CK, CK1-CK6, CK84 and Hornel-4.

**1.2 Summary:** In early October 2001 Assessment work consisting of prospecting, geological, geophysical, sampling of shows and a limited line cutting and line blazing marked with flagging was carried out. A Magnetometer Survey to test the usefulness and validity of an extensive and detailed geophysical survey to cover the CK Claims was an unqualified success as the profile plots of the survey-lines show. Early snow in the mountains in the area of the CK Claims hampered work, and neither the prospecting nor the magnetometer survey and the geological and sampling were as extensive as was planned. The assays of samples in the rusty mineralized outcrop showing in Claim CK-84, confirmed previous findings. ICP assays ranged from 2180-4710 ppm Lead, 19200-20000 ppm Zinc and one grab sample from approximate location #909, using the standard procedure, assayed 22.4% Zinc and 3.91% Lead. The mineral assemblage is indicative of a Sedex or sedimentary exhalative type. The strike of the mineralized zones are generally north-south but the dip directions changed abruptly from locality to locality from east to west, and dipping vertical to steeply to 45/60 degrees east or west. These rapid reversals of dips indicate perhaps many lateral east-west faulting though without appreciable lateral displacements – the magnetometer profiles plots reflect this.

**1.3 Recommendation:** A detailed geological mapping of the CK Claims may help to unravel, identify, interpret geological structures and pinpoint localities within the property where drilling may be targeted to located areas that may be the Vent Complex – identifying sedimentary fragmental lithologies such as flow breccias, talus breccias, conglomerates, increasing barite, decreasing Pb-Zn i.e. the stratigraphic top; Fe-Mg-Ca carbonates, pyrite, pyrotite, minor chalcopyrite – i.e. the stratigraphic bottom. It is the vent complex with its massive and coarse galena-sphalerite, brecciated and crudely bedded, that will be the most economically viable and obvious exploration drill targets. Zones of bedded ores may also be located and the distal zone of hydrothermal products – of chert, barite, minor pyrite, hematite, and manganese enrichment. If possible and available, mineralized sections of drill cores should be relogged and whole rock geochemistry analyzed. Petrographic thin section studies of the ore zone and host rocks are also suggested. In the Claims area, the sedex mineralization has been up-ended and a detailed geological mapping is essential in this complex geological terrain. Following detailed mapping, a detailed geophysical survey of selected locations is recommended to

locate the best initial drill targets; followed when and if warranted by a detailed development drilling of the ore-body.

**1.4 History of CK Group Mineral Property.** These Claims ere first staked by Mr. Andy Horne in 1973 and subsequently optioned by Cominco in 1977 and in the following year drilled 2114 metres of widely spaced diamond drill holes and made the discovery of the "New Showing". From 1978-81, Cominco drilled an additional 1,277 metres of diamond drilling; and in 1985 they decided to terminate their option with Mr. Andy Horne.

Mineralization is of the typically extensive sedimentary exhalative type – Sedex, typically hosted in bedded metasediments/ grano-diorite gneiss, consisting of massive bedded sphalerite and galena, rusty in exposed outcrops, vertical to steeply dipping, with repeated dip reversals indicative of displacements by faulting; and a north/ south strike.

In 1986, the property was optioned by Reo Gold Corporation and with their joint-venture partner Verdstone Gold Corporation, drilled 114 diamond drill holes totally 12,103 metres. In the central section of the property they drilled 51 diamond drill holes in 1987 and '88 along a 1250 metre along a northerly strike length of the "New Showing"; and within this is a mineralized zone inferred to contain 1.67 million tons that may represent 283 million pounds of Lead, 46 million pounds of Lead and 418,000 ounces of silver in a steeply dipping mineralized zone 600 metres in length by 4 metres wide by 60 metres depth. The average grade determined from drill core being 8.6% Zinc, 1.6% Lead and 0.25 ounces per ton of Silver. The presence of Gallium has also been reported.

Mr. Green in his Report of March 2000 surmised that because of the probable sedimentary exhalative nature of the mineralization; it is possible that the ore zone is open to the north and south and may extend to great depths. And ultimately this Sedex type of Lead-Zinc mineralization may lead to the potential discovery of greater tonnages, thus making this property more economically viable. His preliminary study indicates that if this ore-zone "can be placed into the proven and probable category and placed into production at a processing rate of 1,000 tons per day using a 350 day operating year, amine dilution factor of 10%, and recovery factor of 92% for both lead and zinc, the following metals might be recovered annually:

1. Zinc: 45,000 tons per year of zinc concentrate containing 55% zinc.
2. Lead: 6,750 tons per year of lead concentrate containing 60% lead.
3. About 90,000 ounces of silver may report to the lead concentrate"; and 13 to 21ppm of Gallium are also reported in assay of some samples from the CK Mineral Group.

## **2.Summary of Work**

### **2.1 Scope of Work**

Tairex Exploration Limited was retained by Ron Burko, President of Penteco Resources Ltd to further prospect the "show" on CK84, with a magnetometer survey, chip sampling and a geological reconnaissance and to propose a program of work to develop the CK Mineral Property into a mine able ore-body for a budget of approximately \$ 15,000.00

### **2.2 Prospecting**

Work on the Claim site was performed on 5 days, from October 10-14<sup>th</sup> 2001, with 2 days traveling to Clearwater Oct 9 and Oct 15. The site is located some 54 kilometres north of Clearwater via Forestry Road #9 and work consisted of examining and 3 metre chip sampling of cleared outcrop "show" located on CK48 that consists of rusty oxidized medium-coarse sphalerite-galena; locating and clearing 2000 metres of access roads, locating old drill holes, and attempt to locate cut-lines and claim boundaries.

**2.3 Line-cutting.** As no old grid-lines were located, 1500 metres of East-West lines were blazed and flagged, viz. lines 1N, 2N, 3N, 4N and 1S; 1NE is drilling trail; and using the old drilling access trail which at this location is running approximately North-South, as a Base Line.

**2.4 Geophysics.** A magnetometer survey was run on 1N, 2N, 3N, 4N, 1S and 1NE. The magnetic response was distinct and outlined zones of mineralization indicating potential diamond drill hole locations. A large areal coverage of the CK Mineral Property should be considered not only to locate diamond drill holes but also to help in the structural interpretation of the sedex mineralization.

Figure 2. Sample Locations and Magnetometer Survey.  
Magnetic Profiles: Lines 1N, 2N, 3N, 4N, 1S, and 1NE.

**2.5 Geology.** The country rock where exposed consists of the Shuswap Metamorphic Complex that is equivalent to the Monashee Group of the Vernon map-area. They seem to be older than Carboniferous and they may be partly equivalent to the Proterozoic Kaza Group and the lower Paleozoic Cariboo Group which trend towards the map-area from the northwest. Direct evidence of the age of this Complex or of the metamorphism has so far not been found.

The Complex consists of strongly foliated and lineated assemblage of metasedimentary gneisses intruded by numerous dykes, sills and irregular intrusions of granites. The strongly foliated granitic gneiss; quartz-feldspar-biotite gneiss; quartz-feldspar-hornblende gneiss; amphibolite; minor quartz mica schist; quartzite, marble and skarn;

abundant and locally dominant pegmatite, muscovite granite, and biotite granodiorite; garnetiferous quartz-mica schistose gneiss; and pegmatite make up the Shuswap Metamorphic Complex of uncertain age.

In the area of CK-84, the rocks are well-foliated fine-grained granitic gneiss with a massive galena-sphalerite mineralized interbed striking more or less north-south. This showing has been stripped and exposed; and the massive rusty oxidized mineralized is at least 4-5 metres wide at this location. Sampling assays (ICP) of this stripped exposure returned 19200- >20000 Zn and 2180-4500ppm Lead and a 50 lb grab sample of the massive ore from about sample locality #909 returned an assay, using the standard procedure, of 22.4% Zinc and 3.91% Lead – giving a Zinc ratio,  $(Zn \times 100)/(Zn+Pb)$ , of 69.33 or 69; ratios from Cominco's drilling results (1977-81) in the vicinity of the "New Showing" is 86; Rea's drilling in 1987-88 gave a Zinc ratio of 80; and Don Green's assessment gave a value of 84.96 or 85. These Zinc ratios ranging from 69 to 86 are significant as most deposits of the Sedex type, plotting between 40-70, are those for which mining reserves are reported. Grab sample #905, off to the southwest side of the "show" in CK48, a slightly rusty foliated granodiorite gneiss assayed 67 ppm Lead and 104 ppm Zinc, and is obviously uneconomic.

Figured below is a schematic illustration of the characteristic features of the idealized Sedex deposit (from GSC Bulletin No.8, pp 135 - Section on Exhalative Base Metal Sulphides.)

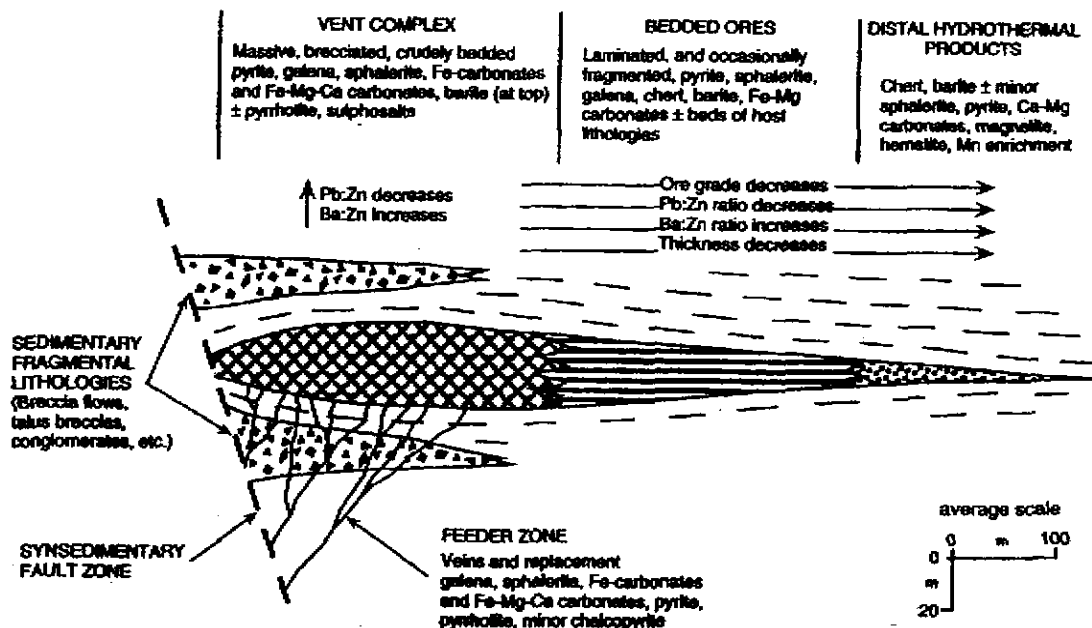


Figure 6.1-4. Schematic illustration of the characteristic features of the idealized Sedex deposit.



CK 84

216771

5754000 N

5753600 N

HORNE #2

384200

323000 E

HORNE #1

384195

323400 E



# SYMBOLS

- Access road
- Creek
- Elevation contour (metres)
- Area of rock outcrop
- Magnetic survey line
- Rock sample location; number
- Mineral claim boundary

Grid shown is UTM (NAD27).

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DAHROUGE GEOLOGICAL CONSULTING LTD.  
Edmonton, Alberta

CK PROPERTY, CLEARWATER, B.C.

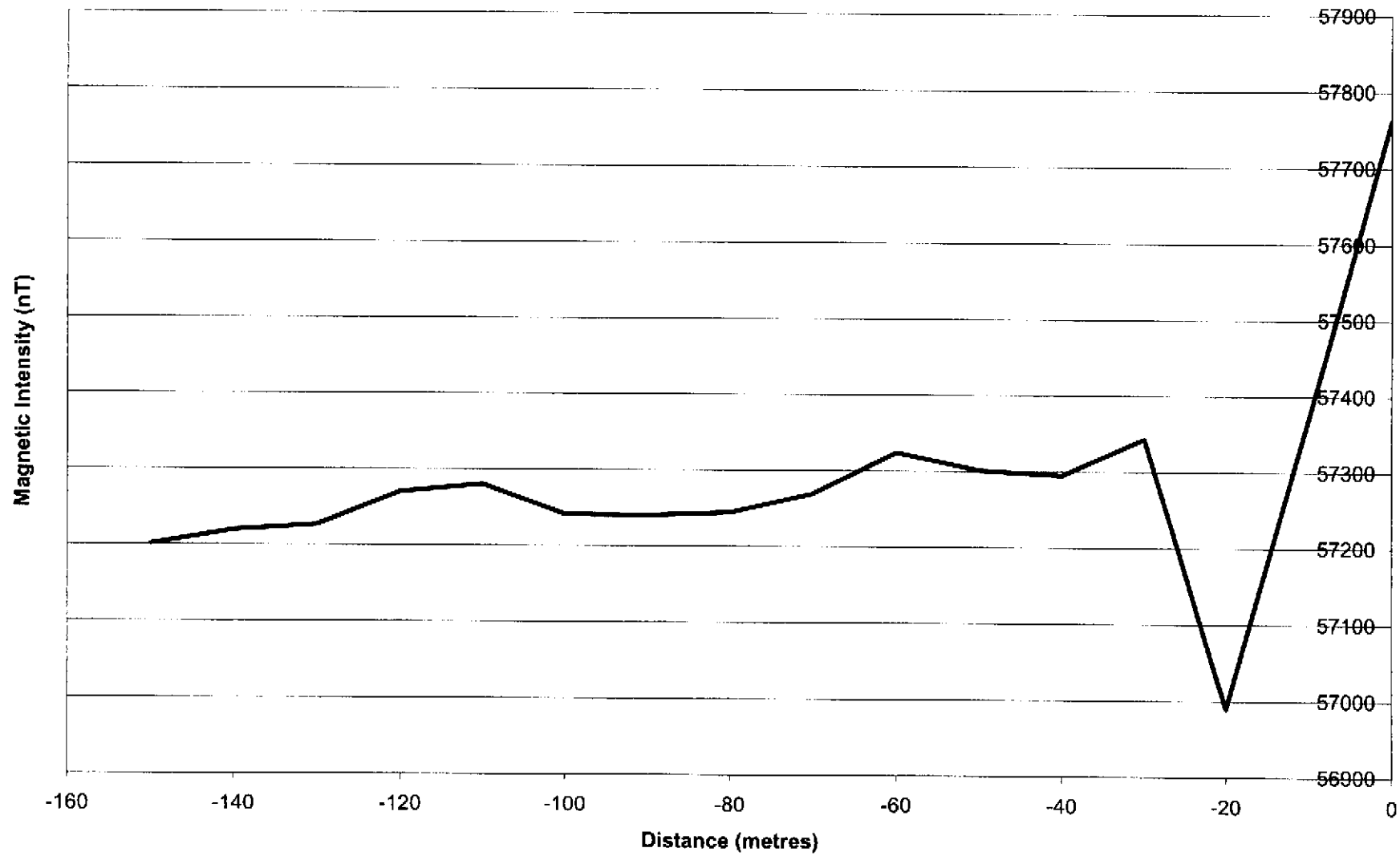
Figure 2  
Sample Locations and  
Magnetometer Survey

0 50 100 m

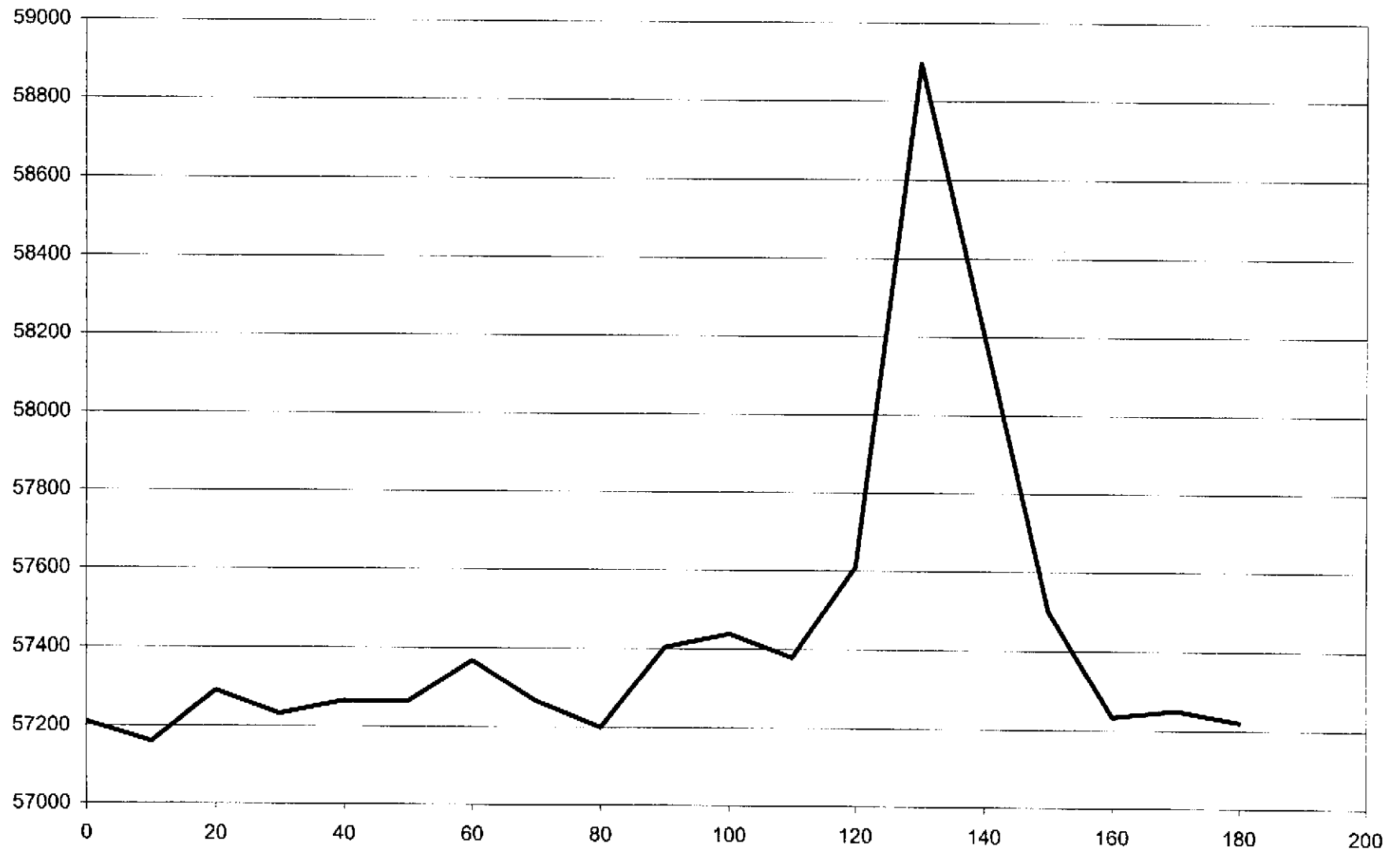
WM Scale: 1:3000 2001.11



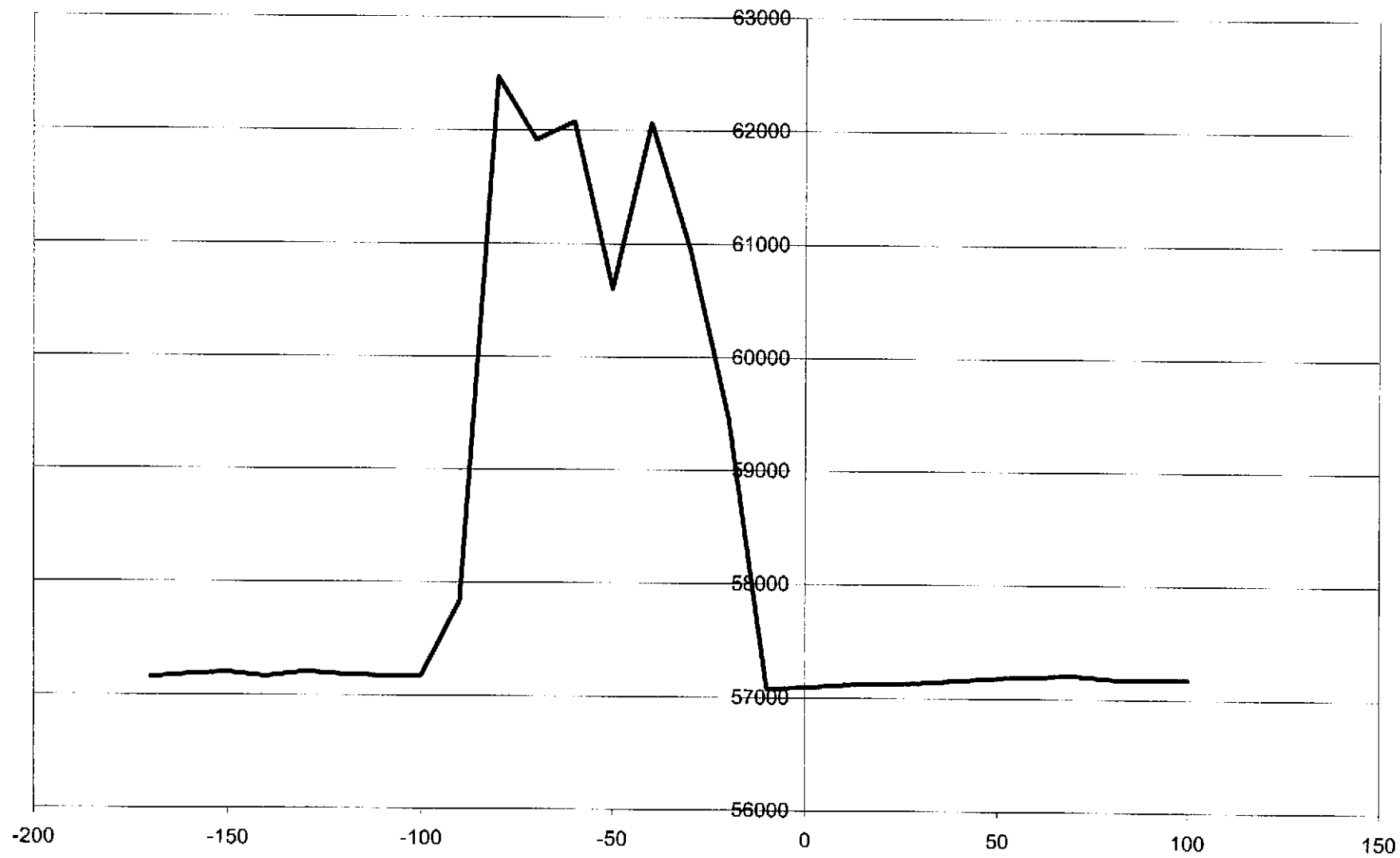
# LINE 1N



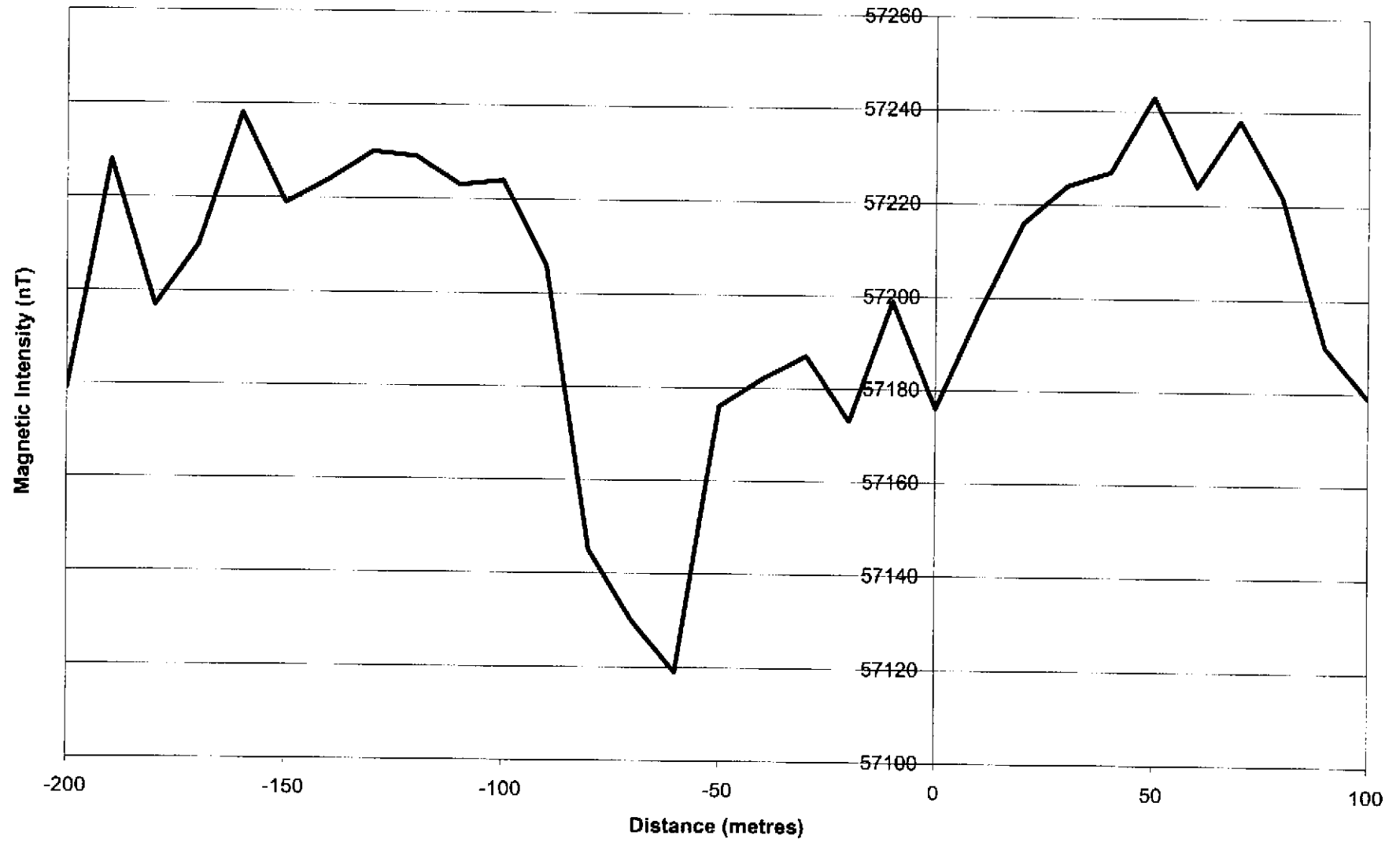
# LINE 2N



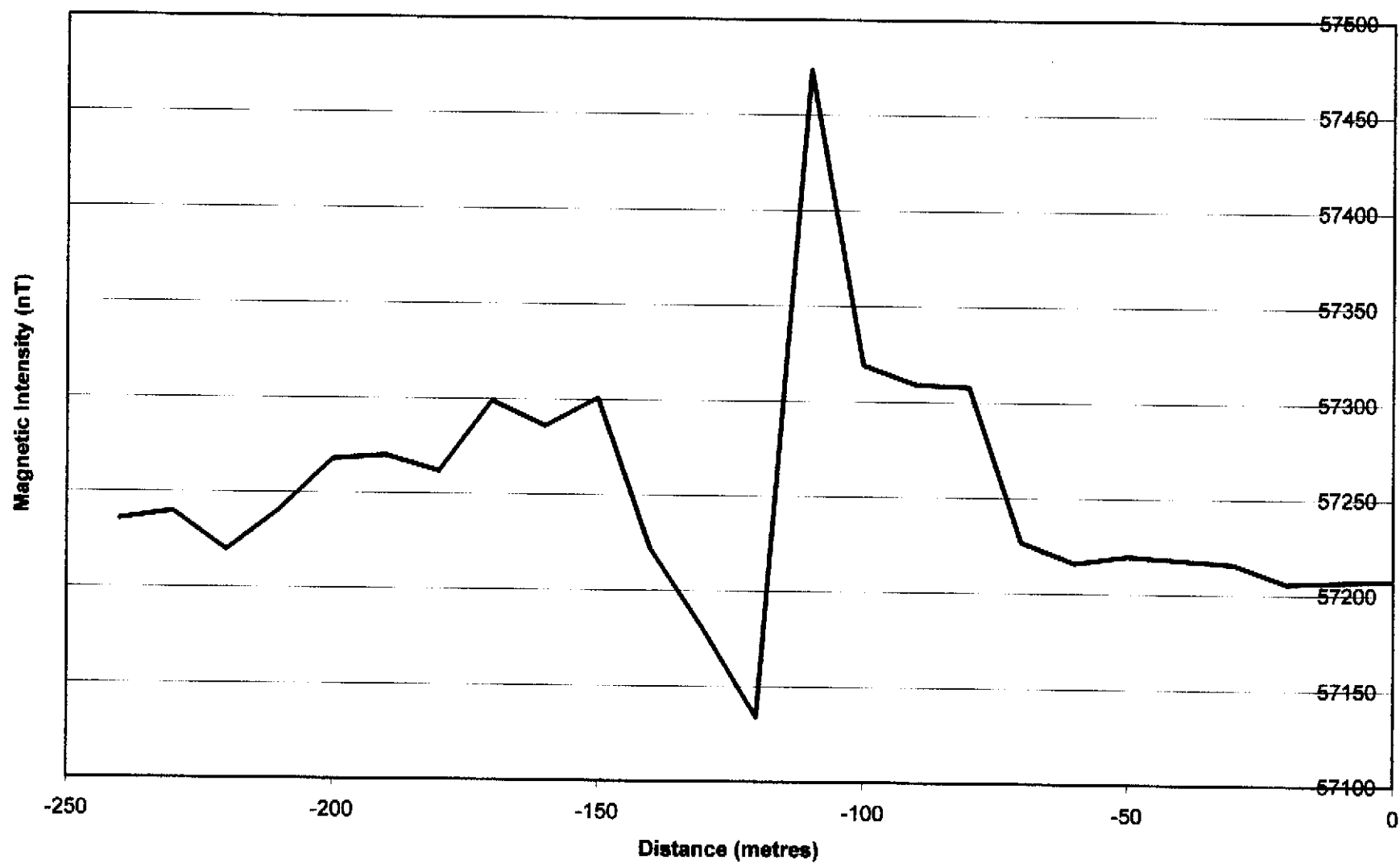
Line 3N



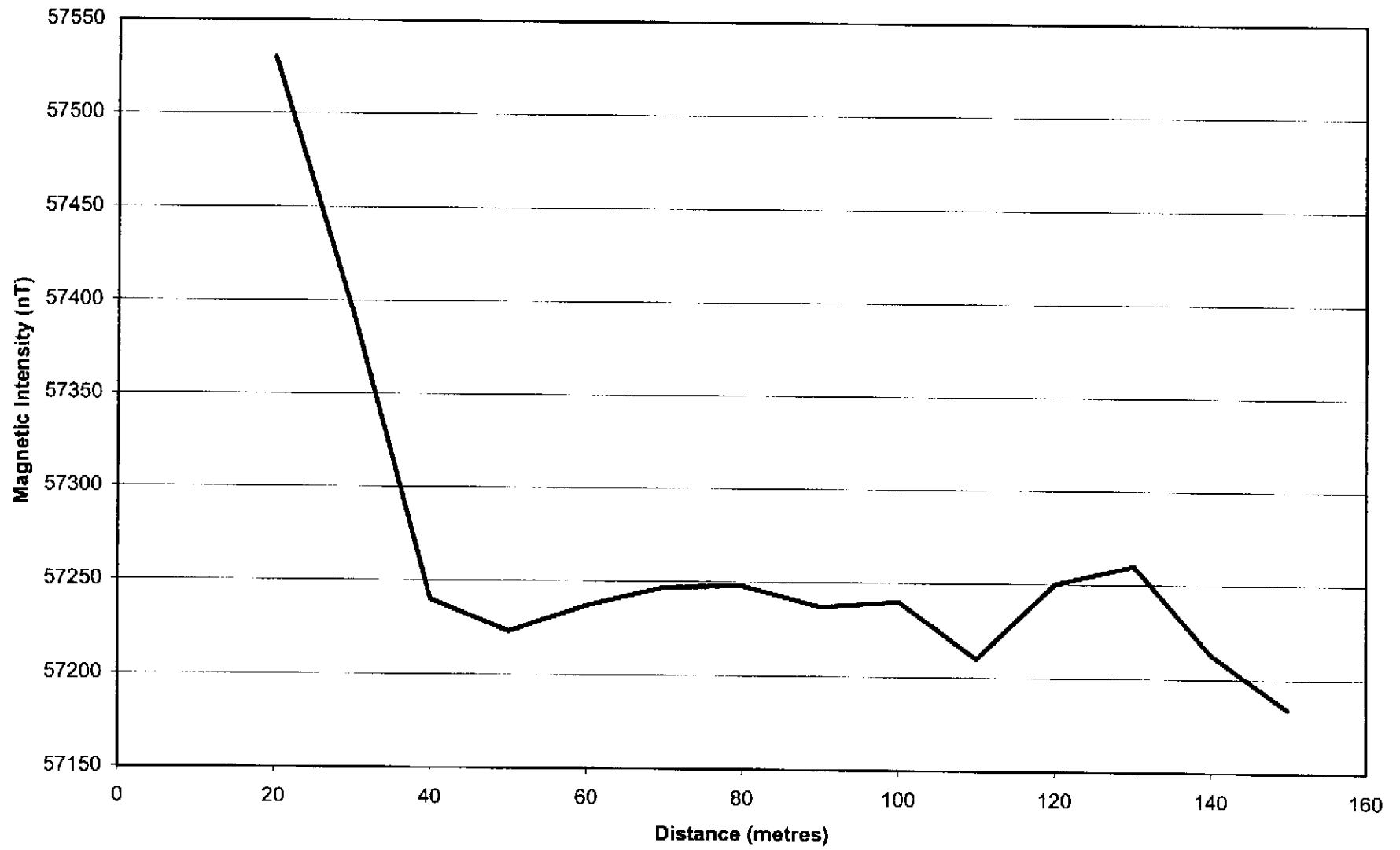
# LINE 4N



# LINE 1S



# LINE 1NE



Geology Map – relevant portion of GSC Preliminary Series, Adams Lake, 82M

Geology Legend

Figure 3. Sketch of Outcrop with Sample Locations - ICP Pb, Zn.

Assay Certificates. TSL Laboratories Inc. Assay & ICP, 50lb sample.

Loring Laboratories Ltd. ICP, Grab & Chip samples.

### **3. Work Program**

#### **3.1 Prospecting**

Log: - Maurice Lessard and Tiger Yawnghe. Oct 9-15, 2002.

Oct 9/2001 – travel to Clearwater.

Oct10/2001 – \*travel towards CK Group Claims, CK84 approximately 54 kilometres north of Clearwater on West Raft River Forestry Road #9, turn off west on #780.

\*Checked old Claim Maps and Map NTS 82m/13. Began snowing on work site.

\*Gear-up, walk up, flag and clear trail to “show” on CK84 – 2 km. Locate “showing”.

\*Locate old drill holes and other trails.

\*Look for claim lines, posts and cut lines. None found. 30 cm of fresh wet new snow made searching difficult.

\*Return to Clearwater.

Oct11/2001 – travel to site, snowing at site.

\*Flag trails.

\*Reconnoiter surrounding area for other outcrops.

\*Take one 50lb sample at “showing” re. TSL assay & ICP

\*Take grab samples at locations 901, 902, 903, 904, 905, 906, 907, 908, 909, 910 & 911.

\*Take 3 metre chip samples 912, 913, 914, 915. Getting late.

\*Return to Clearwater.

Oct12/2001 – travel to site, snowing.

\*Continue with 3-metre chip sampling of cleared “show” outcrop, sample locations 916, 917, 918 and 919, and 920 - 6 metres chip sample.

\*Begin blazing and flagging East-West lines and take magnetometer readings starting with 1N, 2N and start on 3N; becoming thoroughly soaked and dripping wet from melting wet snow falling from overhead branches. Getting late.

\*Return to Clearwater.

Oct13/2001 – travel to site, light snow on site.

\*Continue blazing, flagging lines and taking magnetometer readings 3N and begin 4N. Magnetometer reading becoming erratic, instrument appears to be malfunctioning.







# LEGEND

CENOZOIC

MESOZOIC

PALAEOZOIC OR EARLIER

PLEISTOCENE AND RECENT

11

Glacial deposits and recent alluvium; till, gravel, sand, silt, and clay; few if any bedrock exposures

PLEISTOCENE AND/OR EARLIER

10

Olivine basalt; cinder cones, blocky flows, breccia, and agglomerate

TERTIARY

MIOCENE OR PLIOCENE

9

Flat-lying olivine basalt flows; minor breccia and gravel

TERTIARY (?)

8

Conglomerate

JURASSIC AND/OR CRETACEOUS AND (?) EARLIER

7

7a, biotite granodiorite and granite; 7b, hornblende diorite; 7c, muscovite granite; 7d, biotite-hornblende syenite, biotite granodiorite, hornblende diorite, and felsite; includes septa and inclusions of intruded rocks

6

Serpentinite

PERMIAN OR EARLIER

5

Greenstone, greenschist, chlorite schist, phyllite, limestone, quartz-sericite schist, quartzite, volcanic agglomerate

4

4a, dark grey and brown phyllite (commonly limy), limestone, sericitic quartzite; minor greenstone, quartz-feldspar-chlorite gneiss, and meta-conglomerate; 4b, trachytic tuff and breccia

3

Grey and buff weathering, white, grey, and buff marble and limestone; minor greenstone and phyllite

2

Undivided; includes rock types common to 4a and 5; minor quartz-mica schist and amphibolite

AGE UNCERTAIN

1

SHUSWAP METAMORPHIC COMPLEX

1a, characterized by well foliated granitic gneiss; quartz-feldspar-biotite gneiss, quartz-feldspar-hornblende gneiss, amphibolite; minor quartz-mica schist, quartzite, marble, and skarn; abundant and locally dominant pegmatite, muscovite granite, and biotite granodiorite; 1b, exclusively or dominantly biotite granodiorite; 1c, characterized by quartz-mica schistose gneiss (commonly garnetiferous), amphibolite, quartzite, marble, and skarn; pegmatite, muscovite granite, biotite granodiorite; minor granitic gneiss; 1d, similar to unit 1c with abundant and locally dominant dykes and sills of pegmatite, muscovite granite, and biotite granodiorite; 1e, undivided, may include all rock types found in units 1a and 1c. The granitic rocks may be equivalent to those of 7

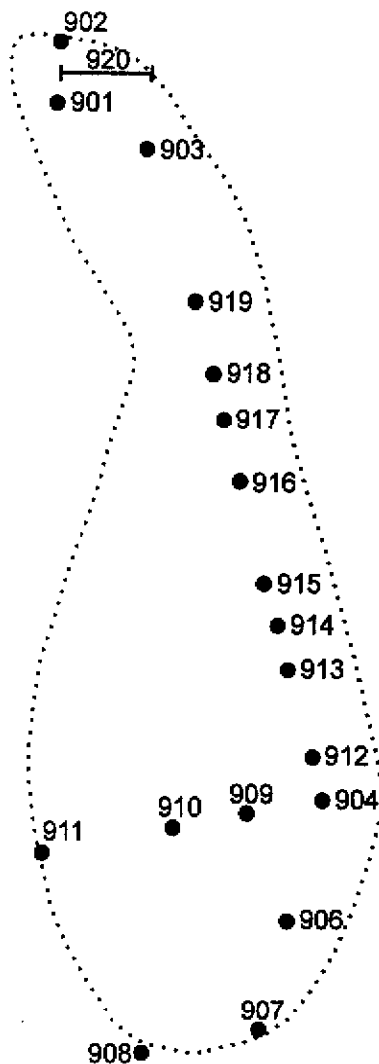
### ASSAY RESULTS

Sample	Pb (ppm)	Zn (ppm)	Ni (ppm)
901	2820	19800	248
902	4710	>20000	222
903	296	983	54
904	2180	6860	197
905	67	104	55
906	4310	>20000	458
907	4360	>20000	299
908	4440	>20000	211
909	3800	19200	217
910	4120	>20000	414
911	4230	>20000	394
912	4140	>20000	216
913	4500	>20000	358
914	4280	>20000	298
915	4360	>20000	230
916	4220	>20000	306
917	4230	>20000	189
918	4420	>20000	258
919	3700	>20000	90
920	4230	19200	196

0 10 metres  
SCALE

### SYMBOLS

- ..... Boundary of rock outcrop
- 920 Chip sample line; number  
3 m chip
- 908● Grab sample; number



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EDMONTON, ALBERTA

CK PROPERTY, CLEARWATER, B.C.

Figure 3  
Sketch of Outcrop  
with Sample Locations

WM

2001.11



#2 - 302 48<sup>th</sup> Street • Saskatoon, SK • S7K 6A4  
P (306) 931-1033 F (306) 242-4717 E tslab@sk.sympatico.ca

## CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Penteco Resources Ltd.  
131 Egnatoff Way  
Saskatoon, SK  
S7K 7R9

REPORT No.  
S10984

SAMPLE(S) OF Rock

INVOICE #:20897  
P.O.:

	Pb %	Zn %
# 1	3.91	22.4

COPIES TO: R. Burko  
INVOICE TO: Penteco Resources - Saskatoon

Oct 29/01

SIGNED

Mark Acres - Quality Assurance

# TSL LABORATORIES INC.

**Penteco Resources Ltd**

Attention: R. Burko

Project:

Sample: 1 Rock

2 - 302 48th Street East, Saskatoon, Saskatchewan, S7K 6A4

Tel: (306) 931-1033 Fax: (306) 242-4717

Report No: S10984

File No: M1017

Date: October 26, 2001

## Multi-Element ICP Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
1	3.9	0.33	8	12	<0.5	<1	2.81	218	23	64	359	9.64	0.18	0.01	390	6	0.04	96	495	>10000	24	<1	<1	25	0.02	57	1260	3	>10000	<1
1 REP	3.9	0.34	10	28	<0.5	<1	2.82	219	22	65	367	9.76	0.19	0.01	392	6	0.03	98	510	>10000	26	<1	<1	26	0.02	57	1280	3	>10000	<1

A .5 gm sample is digested with 3 ml 3:1 HCl/HNO3  
at 95C for 1 hour and diluted to 15 ml with D.I. H2O.

Signed: 

Mark Acres - Quality Assurance



# Loring Laboratories Ltd.

829 Beaverdam Road N.E.,  
Calgary Alberta T2K 4W7  
Tel: 274-2777 Fax: 275-0541



TO: PENTECO RESOURCES LTD.

131 Egnatoff Way  
Saskatoon, Saskatchewan  
S7K 7R6

FILE: 44260

DATE: November 6, 2001

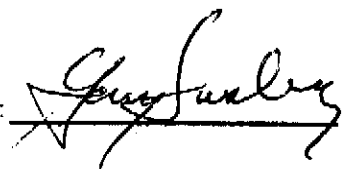
ATTN: Ron Burko

## 32 ELEMENT ICP ANALYSIS

Sample No.	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Th	Ti	U	V	W	Zn
	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
901	1.5	2.90	<1	<1	28	15	3	8	3.55	27	94	39	249	6.45	0.05	32	0.23	512	37	0.10	248	0.761	2820	8	<1	188	<1	0.05	<1	115	<1	19800*
902	9.2	0.14	<1	<1	936	21	3	32	3.83	201	114	125	88	7.81	0.06	28	0.57	589	13	0.15	222	0.030	4710	24	<1	22	<1	0.02	<1	109	<1	>20000*
903	<0.5	0.31	<1	<1	41	16	<1	1	0.12	1	26	102	42	1.37	0.07	5	0.14	<1	2	0.03	54	0.021	296	4	<1	4	<1	0.06	<1	120	<1	983
904	0.6	0.66	<1	<1	24	102	3	3	0.23	9	87	59	118	5.71	0.15	11	0.22	153	3	0.03	197	0.087	2180	5	<1	11	<1	0.05	<1	87	<1	6860
905	<0.5	1.26	<1	<1	30	48	<1	<1	0.53	<1	23	55	2	1.25	0.25	15	0.48	179	3	0.12	55	0.024	67	3	<1	40	<1	0.11	<1	98	<1	104
906	1.4	1.93	<1	<1	24	9	5	10	2.13	59	191	35	493	13.37	0.05	31	0.29	668	11	0.05	458	0.226	4310	11	<1	109	<1	0.04	<1	87	<1	>20000*
907	6.6	0.46	<1	<1	18	21	4	7	2.35	154	145	16	284	10.98	0.14	27	0.49	1230	9	0.10	299	0.070	4360	34	<1	27	<1	0.03	<1	60	<1	>20000*
908	3.4	0.25	<1	<1	371	50	3	8	3.22	226	113	<1	<1	7.97	0.10	28	0.66	1255	6	0.12	211	0.016	4440	39	<1	16	<1	0.02	<1	33	<1	>20000*
909	1.0	2.94	<1	<1	31	29	3	4	1.69	23	89	16	138	8.11	0.31	22	0.39	<1	8	0.15	217	0.088	3800	8	<1	95	<1	0.08	<1	66	<1	19200*
910	5.2	0.24	<1	<1	667	13	5	10	3.88	113	210	<1	304	15.61	0.08	34	0.36	1255	9	0.12	414	0.034	4120	28	<1	22	<1	0.01	<1	44	<1	>20000*
911	4.6	0.24	<1	<1	534	3	4	11	3.18	152	158	<1	215	9.20	0.12	25	0.47	743	8	0.07	394	0.045	4230	31	<1	20	<1	0.02	<1	22	<1	>20000*
912	1.2	3.24	<1	<1	28	12	3	3	2.55	43	87	12	181	5.93	0.23	25	0.40	333	9	0.08	216	0.144	4140	10	<1	128	<1	0.06	<1	71	<1	>20000*
913	5.0	0.51	<1	<1	7	2	4	9	1.93	153	149	27	257	10.04	0.07	21	0.47	948	6	0.03	358	0.024	4500	29	<1	18	<1	0.01	<1	44	<1	>20000*
914	2.9	1.74	<1	<1	15	12	4	7	1.77	89	133	<1	108	9.23	0.19	24	0.41	640	7	0.08	298	0.048	4280	18	<1	53	<1	0.06	<1	44	<1	>20000*
915	4.8	0.39	<1	<1	84	11	3	7	2.79	140	104	<1	137	6.45	0.21	25	0.44	668	6	0.05	230	0.024	4360	26	<1	30	<1	0.02	<1	55	<1	>20000*
916	4.3	0.21	<1	<1	112	13	3	5	1.88	129	127	<1	232	7.11	0.03	21	0.41	641	5	0.03	306	0.032	4220	20	<1	11	<1	0.01	<1	22	<1	>20000*
917	3.4	0.13	<1	<1	636	22	2	4	2.87	167	93	8	6	5.27	0.06	22	0.51	230	3	0.08	189	0.026	4230	27	<1	12	<1	0.01	<1	38	<1	>20000*
918	3.6	0.10	<1	<1	287	8	3	5	1.37	117	109	<1	98	4.75	0.03	14	0.36	282	6	0.03	258	0.026	4420	17	<1	9	<1	0.01	<1	<1	<1	>20000*
919	0.9	2.61	<1	<1	20	46	1	1	2.00	42	42	55	125	2.60	0.01	19	0.16	<1	5	0.13	90	0.053	3700	6	<1	151	<1	0.02	<1	93	<1	>20000*
920	1.4	1.08	<1	<1	17	28	3	4	1.41	24	82	39	187	5.64	0.12	21	0.30	205	18	0.05	198	0.214	4230	7	<1	57	<1	0.07	<1	104	<1	19200*

\* Assay recommended.

0.500 Gram sample is digested with Aqua Regia at 95 C for one hour and bulked to 10 ml with distilled water.  
Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti, and W.

Certified by: 

Oct13/2001 – travel to site, light snow on site.

\*Continue blazing, flagging lines and taking magnetometer readings 3N and begin 4N. Magnetometer reading becoming erratic, instrument appears to be malfunctioning. Change batteries, working fine for a few readings and then the instrument begin erratic readings again. Change back to "old" batteries, still making erratic readings. All batteries seem OK,

\*but decide to return to Clearwater to pick-up new batteries making sure they were OK. "Old" batteries also tested OK.

\*Return to site. Continue with Line 4N, and finish NE. Instrument working OK. Getting late and wet.

Return to Clearwater.

\*Plot sample locations and survey grid, plot magnetometer readings

Oct14/2001 – travel to site. Dull and dreary, foggy.

\*Start and complete 1S. Magnetometer readings OK, instrument functioning.

\*Geological reconnaissance of surrounding area to find other outcrops and showings, - not too successful considering the snow cover. Getting wet, cold and late.

\*Return to Clearwater.

\*Continue with plotting of magnetometer survey and grid; sample locations; packing of samples for laboratory analysis.

Oct15/2001 – Depart Clearwater to return home. No improvement in the weather, light rain, overcast, foggy on mountains, probably snowing on work-site.

**3.2 Geophysical** – magnetometer survey. Some 1500 metres of survey readings on blazed and flagged lines.

**3.3 Geology** – Geological reconnaissance of claim CK84 and surrounding area, review of assessment reports and other references. Reports, Office support & submissions.

#### **4. Itemized Cost Statement**

*Assaying – TSL Laboratories Inc.	\$ 38.79
- Loring Laboratories Ltd.	\$ 326.35
*Labour – Maurice Lessard, Geophysical	
Operator and Prospector, 7 days @ \$350/diem + GST	\$ 2,621.50
Tiger Yawnghwe, P.Geol., 9.5 days @ \$ 500/diem + GST	\$ 5,082.50
(including 2.5 days Office work)	
Ron Burko, expediting & consulting, 4 days @ \$ 300/diem + GST	\$ 1,284.00
Wayne McGuire, Drafting services + GST,	\$ 813.20
*Magnetometer Rental, @ \$ 25.00/diem, 7 days + GST	\$ 187.25



Disposable supplies, sample bags, flagging etc. + GST	\$ 10.70
*GPS Unit Rental, @ \$ 10.00/diem + GST	\$ 74.90
Bush supplies: axe, rain gear, work gloves, D Cells etc + GST	\$ 170.77
*Hotel & Food/Meals	
Clearwater – paid by Ron Burko, 2 persons, 7 nights + PST, GST	\$ 470.67
Edmonton – paid by Tiger Yawngghwe, 1 night + GST	\$ 140.00
Meals, 1 day @ \$40.00	\$ 40.00
Clearwater, Food – Meals, 7 days @ \$ 40x2	\$ 560.00
*Chev. 4x4 Rental, 1 week+1day + GST	\$ 489.65
Insurance, 8 days @ \$ 16.95/day + GST	\$ 135.60
Fuel, Gasoline + GST	\$ 307.76
*Travel Mileage: 4x4, Clearwater-Work site, 648 km@ \$0.25 /km + GST	\$ 162.00
Misc. 115 km @ \$0.25 + GST	\$ 28.75
BC/AB border- Clearwater, 490 km @ \$0.25/km + GST	\$ 122.50
Bonnyville, AB/BC border 1265 km @ \$0.25/km + GST	\$ 316.25
Greyhound, T. Yawngghwe, Innisfail-Edmonton-Innisfail + GST	\$ 66.72
-(to join up with Chev.4X4 in Edmonton)	
Greyhound, shipping mineral samples to Loring Lab. + GST	\$ 19.05
Misc. telephone calls/faxes pertaining to CK Claims	\$ 20.00
Express Post	\$ 16.02
<b>TOTAL</b>	<b><u>\$13,504.93</u></b>

#### **4.1 Cost distribution: pro-rated.**

Geological on CK-48 and vicinity	\$ 4,051.48
Geophysical on CK- 48 “show” and vicinity, 1500 metres	\$ 4,051.48
Related Technical, grab & chip sampling and assay, “show” CK-84	\$ 1,350.49
Prospecting, CK-48 and vicinity	\$ 1,350.49
Preparatory/Technical, line/grid, trail clearing, drafting	\$ 2,700.99
<b>TOTAL</b>	<b><u>\$13,504.93</u></b>

#### **Statement of Geological Qualification and Certification**

I, Hso-khan-pha (Tiger) Yawngghwe, P.Geol., APEGGA, President of Tairex Exploration Limited, the author of this Assessment Report certifies:

\*that I graduated from the University of Keele, Staffordshire, England in 1964 and is a Consulting Geologist and Director of Tairex Exploration Limited, and has been a consultant continuously since 1976.

\*that I am a member of the Association of Professional Engineers, Geologists and Geophysicists of Alberta.

\*that I have worked throughout Canada and abroad for De Beers Consolidated/ the Diamond Corporation/ Anglo-American Corporation of South Africa; Hudson Bay Mining and Smelting; Mattagami Lake Mines Ltd.; and the Government of Alberta Department of the Environment before becoming an independent consultant in 1976.

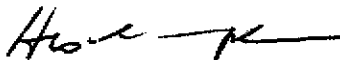
\*that I am a Director and Officer of Penteco Resources Limited without remuneration, and that I have been engaged as an independent consultant by Penteco Resources Limited.

\*that the source of information contained in the report is based on a review of referenced documents and material supplied by Penteco Resources Limited and I hold no responsibility for the contents and preparation of these supplied documents.

## **5. References**

1. Geological Survey of Canada Bulletin #8 – Economic Minerals of Canada.
2. Geological Survey of Canada – Geology and Economic Geology of Canada.
3. Geological Survey of Canada, Department of Mines and Technical Surveys, Preliminary Series, Map – Adams Lake, 82M.
4. Assessment Reports, D.H. Green, P.Eng. Sep/1998 and Mar/2000.

**I, Hso-khan-pha (Tiger) Yawngghwe, P.Geol., hereby certifies that I am a Professional Geologist with the Association of Professional Engineers, Geologists, Geophysicists of Alberta and that Tairex Exploration Limited, was incorporated in Alberta in 1976.**

Signed: 

Hso-khan-pha Yawngghwe, P. Geol.

Date: March 28, 2002 at Innisfail, Alberta.