BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
MINISTRY OF ENERGY AND MINES
GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR:	1996/1997
REPORT #:	PAP 96-48
NAME:	J.E.L. LINDINGER

BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
PROSPECTING REPORT FORM (continued)

B. TECHNICAL REPORT

- One technical report to be completed for each project area.
- **Refer to Program Requirements/Regulations, section 15, 16 and 17.**
- If work was performed on claims a copy of the applicable assessment report may be submitted in lieu of the supporting data (*see* section 16) required with this TECHNICAL REPORT.

Name LEO LINDINGER Reference Number 96/97 P102

LOCATION/COMMODITIES

Project Area (as listed in Part A) NAP OCCURENCE MINFILE No. if applicable 92I/SE 169

Location of Project Area NTS 92I/8W Lat 50° 25' Long 120° 17'

Description of Location and Access

Main Commodities Searched For GOLD COPPER ZINC SILVER

Known Mineral Occurrences in Project Area NAP - 92I/SE-169

WORK PERFORMED

1. Conventional Prospecting (area) 9 Km²
2. Geological Mapping (hectares/scale) 2500 HECTARES 1:5000 / 1:10,000
3. Geochemical (type and no. of samples) SOIL (31) ROCK (69)
4. Geophysical (type and line km) GROUND MAG (30 KM)
5. Physical Work (type and amount) GRID WORK (13KM) TRENCHING 200 M

6,. Drilling (no,. holes, size, depth in m, total m)

7. Other (specify)

SIGNIFICANT RESULTS

Commodities Au (0.44 ppm over 43.5m) Claim Name EP1 (REC# 344798)

Location (show on map) Lat 50 25' Long 120 17' Elevation 1000

Best assay/sample type 1.9 g/t over 5m GOLD

Description of mineralization, host rocks, anomalies SEE ACCOMPANYING REPORT

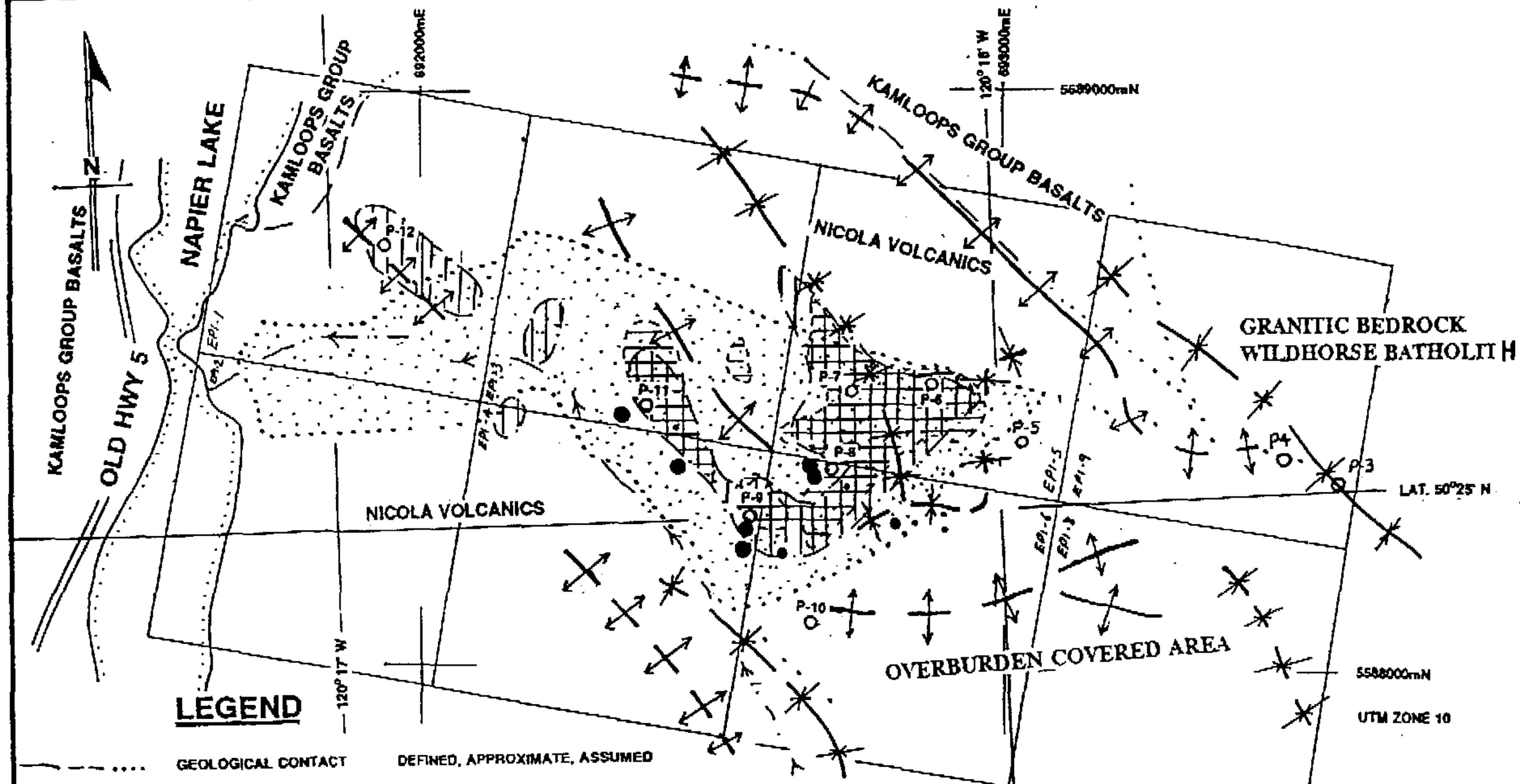
Supporting data must be submitted with this TECHNICAL REPORT

Information on this form is confidential for one year from the date of receipt subject to the provisions of the *Freedom of Information Act.*

PERCUSSION DRILL HOLE HIGHLIGHTS

Samples taken over 3.1 M unless otherwise indicated

- 73-P-01 - up to 138 ppm Cu
- 73-P-02 - up to 112 ppm Cu
- 73-P-03 - up to 260 ppm Cu and 100 ppb Au
- 73-P-04 - less than 100 ppm Cu, Zn
- 73-P-05 - up to 254 ppm Cu, 210 ppm Zn
- 73-P-06 - up to 182 ppm Cu, 335 ppm Zn, 30 ppb Au
- 73-P-07 - up to 614 ppm Cu, 570 ppm Zn
- 73-P-08 - 24.4 M 0.17% Cu, up to 0.38% Zn, 0.004 o/t Au
- 73-P-09 - up to 925 ppm Cu, 1900 ppm Zn, 230 ppb Au
- 73-P-10 - up to 108 ppm Cu, 220 ppm Zn, 50 ppb Au
- 73-P-11 - 33.5 M 0.21% Cu, up to 720 ppm Zn, 160 ppb Au
- 73-P-12 - less than 100 ppm Cu, Zn



LEGEND

- GEOLOGICAL CONTACT — DEFINED, APPROXIMATE, ASSUMED
- ALTERED NICOLA VOLCANICS
- MAG HI, WEAK, MODERATE
- MAG LO, WEAK, MODERATE
- COPPER >200 PPM
- ZINC >200 PPM
- SURFACE SAMPLE >2000PPM CU 1001-2000PPM 500-1000 PPM
- PERCUSSION DRILL HOLE (NEWCONEX 1973)
- INTERMITTENT STREAM

0 1 2 3 400 m

AREA OF TRENCHING WILL BE NEAR THE EXISTING SOIL ANOMALIES AND TRY TO EXTEND THE KNOWN EXPOSURES OF MINERALIZATION.

TO ACCOMPANY NOTICE OF WORK AND RECLAMATION ON THE NAP PROPERTY DATED MAY 24, 1996

EPI CLAIMS
COMPILATION MAP
KAMLOOPS MINING DIVISION
NTS 92I/8W

J.E.L. Lindinger P.Geo. Consulting Geologist. 879 McQueen Dr. Kamloops, B.C. Tel/Fax. 604-554-6887

GEOPHYSICAL, GEOCHEMICAL, GEOLOGICAL

AND TRENCHING REPORT

ON THE

EPI CLAIM

NAP MINERAL OCCURRENCE

MINFILE OCCURRENCE 92I/SE-169

KAMLOOPS MINING DIVISION

BRITISH COLUMBIA

N.T.S. 92I/8W

LATITUDE 50° 25' NORTH

LONGITUDE 120° 17' 15" WEST

by
J.E.L. (Leo) Lindinger, P. Geo.

January 28, 1997

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SUMMARY

The EPI Claim covers the NAP Mineral Occurrence (Minfile Occurrence #92I/SE-169). The Property is located 35 km south of Kamloops within the Kamloops Mining Division. The Occurrence is located within the Quesnel Terrane of the Intermontane Superterrane. The Occurrence lies within a large over 2 by 0.5 km exposure of part of an east to southeast striking shear zone containing hydrothermally altered (phyllic, argillic, propylitic), intensely silicified and cupriferous pyritized metavolcanics and metasediments of the upper Triassic Nicola Group and apophyses along the southwest contact of the dioritic earliest Jurassic Wild Horse Batholith, and argillic and carbonate altered and stockwork veined felsic volcanics of the early Tertiary Eocene Kamloops Group.

The shear zone crossing through the property may be part of a large deep seated thrust fault related to the mid-Jurassic collision of Quesnellia with North America. The event deformed the rocks throughout the area resulting in the southeast striking southwest dipping penetrative schistose and gneissic fabrics that characterize the Nicola and Wild Horse lithologies. Uplift and erosion during the Jurassic and Cretaceous Eras exhumed the shear zone, exposing the ductile defromation fabrics. Subsequent transtensional tectonic and volcanic activity in the early Tertiary resulted with deposition of local accumulations of Eocene Kamloops Group sediments and later rhyolite to basalt stocks and dykes that underlie remnant subaerial cones, flows, breccias and tuffs. Shallow level felsic intrusions penetrating the preexisting structures generated the structurally controlled hydrothermal activity that altered and mineralized all pre-existing lithologies.

On the Epi property, the best copper, zinc, gold and sometimes mercury values appear to be associated with structurally controlled silicification, secondary biotite and carbonate flood zones that form haloes and carapaces overlying the felsic intrusions.

Percussion drilling in 1973 intersected up to 33.5 m of 0.21% copper, with accompanying zinc and gold values. This program extended the altered and mineralized zone 500 meters further east resulting in a surface and drill indicated strike length of over 2 km. Subsequent surface sampling of altered and mineralized Nicola hosted material report over 10,000 ppm copper, 8,000 ppm zinc, 580 ppb gold and 325 ppb mercury. Altered Eocene rhyolite report up[to 510 ppb mercury.

A work program sponsored by the an Explore BC prospectors grant included, property specific magnetometer, soil sampling and trenching programs. This work was accompanied and supplemented by wider scale prospecting, geological mapping and rock sampling. Results of the program are; the area soil sampled did not extend known mineralized areas to the northwest; The detailed ground geophysical survey outlined several subtle anomalies possibly indicating mineralization to the north and southeast of the known mineralized areas; the rock sampling did not succeed in outlining any significant new mineralized areas, the geological mapping located shallow level intrusions related to the Tertiary Eocene volcanism and associated widespread alteration in tertiary and older rocks with copper and gold mineralization in Nicola rocks only.

The results of the shallow backhoe trenching program confirmed and extended the copper and significantly increased the gold potential of the property. Highlights were in Trench 96-14 where a 43.5 meter strike length grading 440 ppb gold and 0.08% copper in highly oxidized rock. The best gold result was 1.9 g/t over 5 meters. The trench did not fully expose the entire width of the mineralized system. The evidence suggests that the gold values are increasing to the east at higher elevations beyond Trench 96-14. These areas are completely drift covered.

A minimum $200,000 Stage 1, multi-phased program inducing geological mapping and rock sampling, shallow detailed and deep penetrating ground geophysics, trenching, lithogeochemical studies, and diamond drilling would be required to begin to establish this properties' potential.

LOCATION and ACCESS

The 4 post 20 unit EPI mineral claim is located in the Kamloops Mining Division; Latitude 50° 25′ North, Longitude 120° 17′ 15″ West as found on N.T.S. Map Sheet 092I/08W. The Property is located 35 km south of Kamloops and immediately east of Napier Lake. Access is via the old Kamloops-Merritt Highway (Hwy. 5a), then by range roads running south from the Roche Lake Road to the east side of the claim. Road access onto the property from the south is available from the Stump

Lake Ranch Road where a spur road crosses the eastern 1/3 of the claim. Water is available on the west side, from Napier Lake, or from small lakes along the north and east sides of the claim.

CLIMATE. TOPOGRAPHY and VEGETATION

The property lies in the semi-arid intermontane climatic zone. Rainfall is less than 50 cm per year, and temperatures range from - 30 to +35 degrees centigrade. Topography is moderately rolling tall grass prairie with occasional groves of ponderosa pine, interior fir and groves of poplar. Napier lake, on the west side of the property occupies the south end of a north draining steep walled glacial spillway.

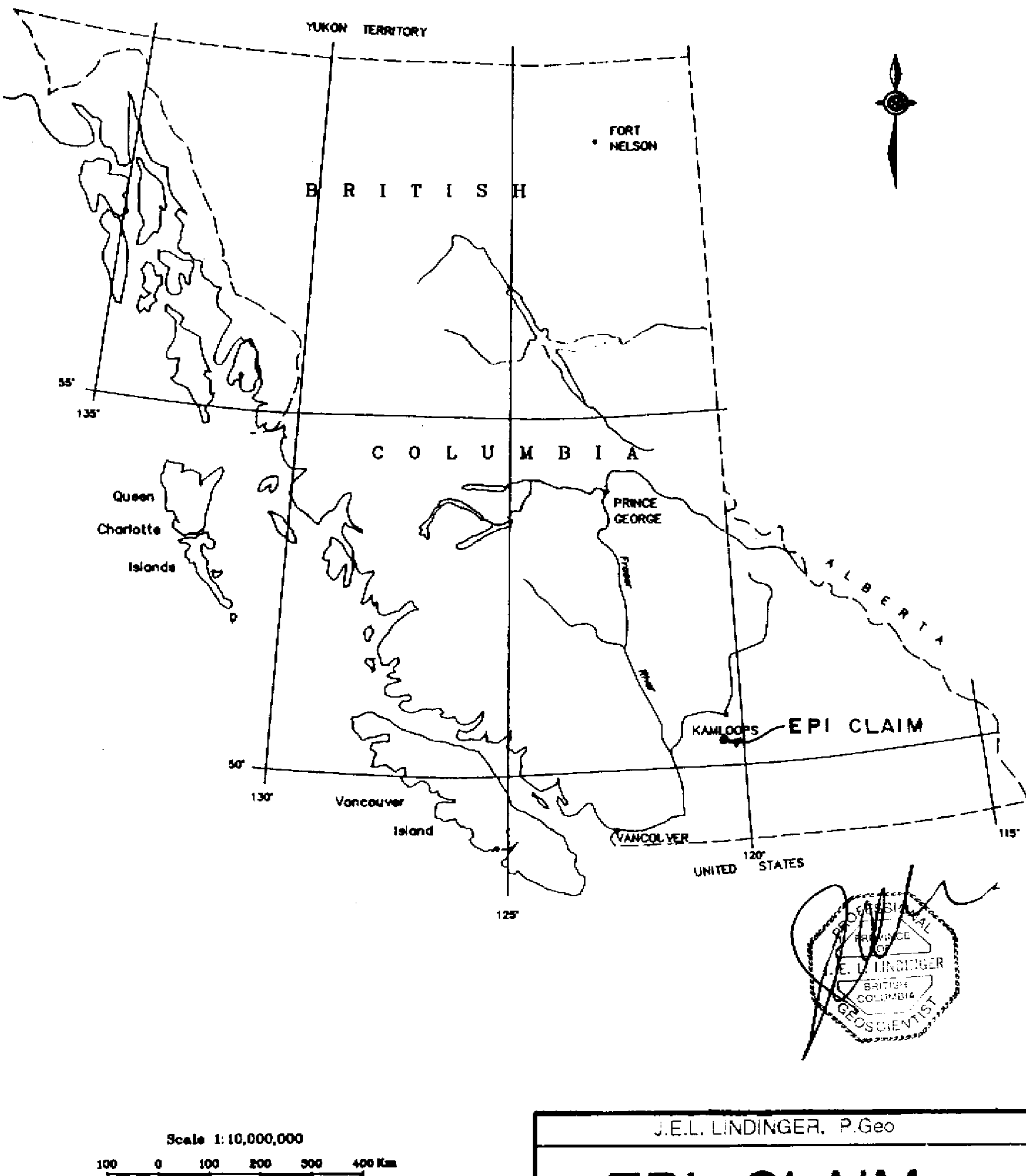
PROPERTY

The Epi 20 unit 4 post claim is 100% owned by the author. Claim particulars are tabled below.

CLAIM	UNITS	RECORD #	EXPIRY
EPI	20	344798	March 17, 1997

HISTORY

In 1973 Newconex Canadian Exploration Ltd. staked and worked the then undiscovered Nap Occurrence (Rebagliati 1973). The claims were staked over a pronounced quartz-sericite-pyrite 'stain'. Initial work consisted of soil sampling for copper and zinc, ground magnetic and geological mapping. A 2 km by 0.7 km zone of interest was outlined by this preliminary program. A follow-up program of 12 widely spaced percussion drill holes was completed later that year. 5 holes on the eastern half of the property were drilled primarily on overburden

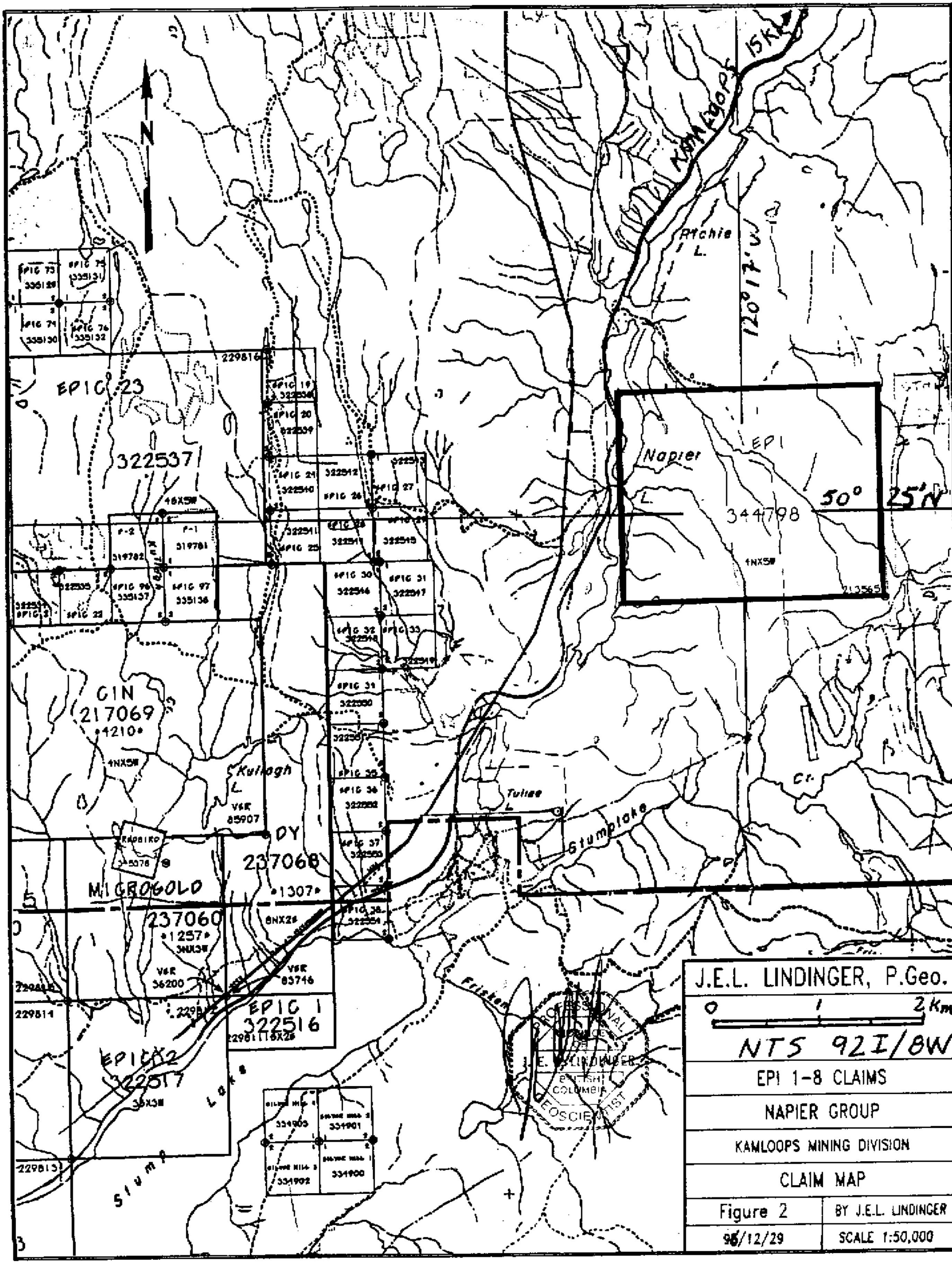


J.E.L. LINDINGER, P.Geo

EPI CLAIM

LOCATION MAP

SCALE: AS NOTED	DATE: JUNE 95	N.T.S. 92I/8	DRAWN BY: GEO–COMP	FIGURE: 1



J.E.L. LINDINGER, P.Geo.

0 1 2 Km

NTS 92I/8W

EPI 1-8 CLAIMS

NAPIER GROUP

KAMLOOPS MINING DIVISION

CLAIM MAP

Figure 2 | BY J.E.L. LINDINGER

96/12/29 | SCALE 1:50,000

covered magnetic anomalies, whereas the 7 westerly holes were drilled into the highest copper in soil anomalies. Most holes intersected low grade copper-zinc+/-gold mineralization including 33.5 m grading 0.21% copper reported from hole PH 73-11.

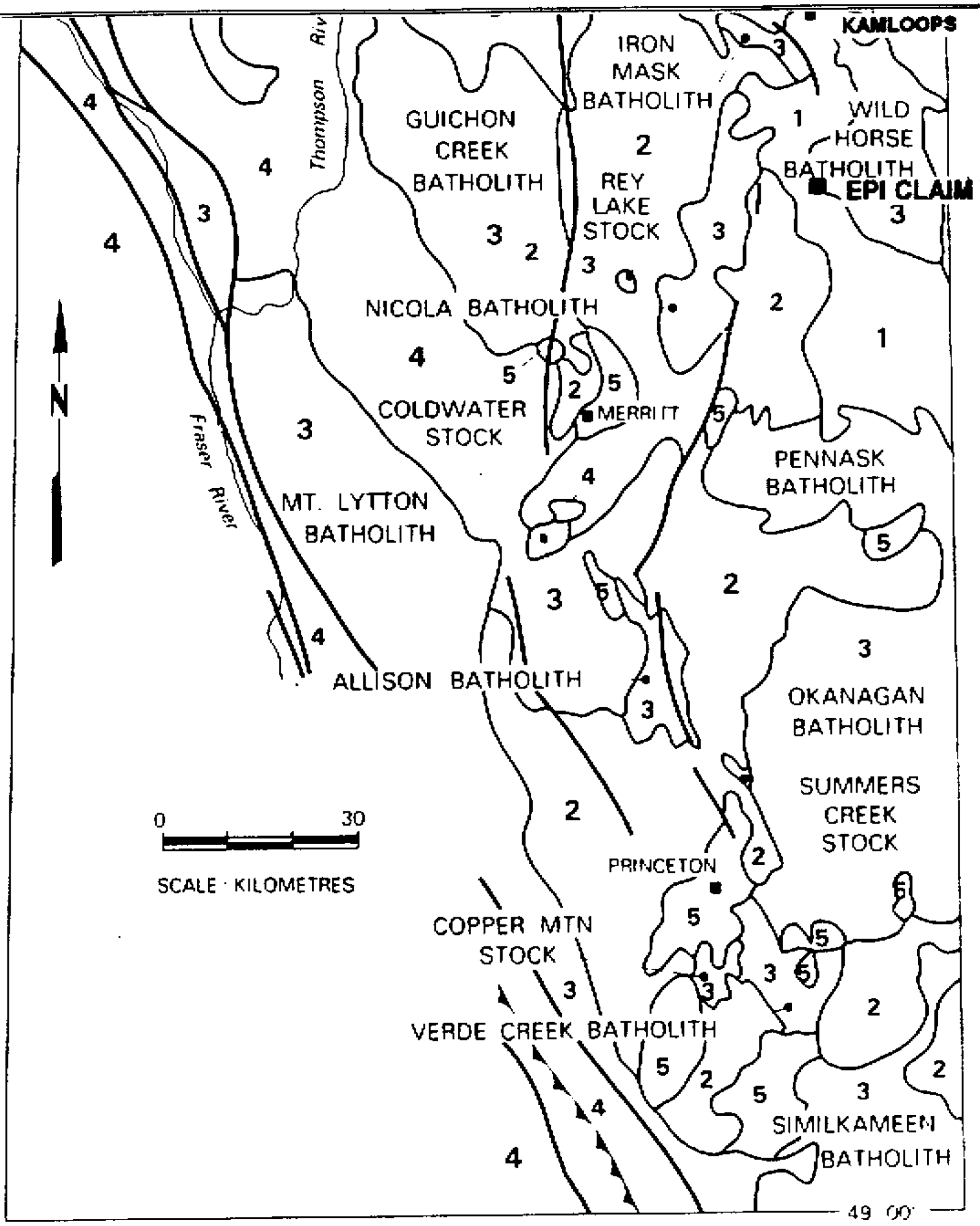
During 1974 Newconex completed a vertical loop EM survey over the known mineralized area during 1974. The claims were then allowed to lapse.

In 1987 Warner Gruenwald and Douglas Lieshman staked a 12 unit modified grid claim over the Nap Occurrence. Between 1987 and 1990 Gruenwald and Lieshman established an orientation grid and conducted soil and rock geochemistry of surficial and shallow test pit material, as well as magnetic and VLF electromagnetic surveys over the areas of known mineralization. Near surface bedrock sampling of mineralized material reported over 10,000 ppm copper, 8,000 ppm zinc, and 540 ppb gold. Molybdenum was locally anomalous. The claim was allowed to lapse.

The Nap Occurrence was staked as the EPI 1-8 Claims by the Owner on October 12, 1994. An exploration program in 1995 confirmed the nature of the mineralization, found evidence of Tertiary hydrothermal alteration and mineralization and examined the extent and nature of the post glacial cover. The claim package was enlarged to a 20 unit size on March 17, 1996. A multiphased program of geological mapping, rock and soil sampling, ground magnetics, prospecting and backhoe trenching was completed between September 1 and December 26, 1996.

GEOLOGY - REGIONAL

The Napier Lake area is located within the Intermontane Superterrane and underlain predominantly by rocks of the Quesnel Terrane. Upper Triassic Nicola Group arc volcanics and derived sediments are the oldest common lithologies in the area. Some Palaeozoic metasediments are found south of Merritt. These rocks have been intruded by coeval plugs, stocks and small batholiths of dominantly alkalic rocks such as the nearby Iron Mask Batholith 25 km north, and by slightly later calc-alkalic batholithic sized intrusive bodies sucn as the Wild Horse and Guichon batholiths. The Wild Horse Batholith underlies the northeastern 1/3 of the property. These arc rocks were obducted onto western north America during the mid Jurassic. The rocks in this area were subjected to a dextral transpressive tectonic regime resulting in northeast



MODIFIED FROM GSC MAP 232A

LEGEND

5	TERTIARY VOLCANIC AND SEDIMENTARY ROCKS
4	UNDIVIDED PRE AND POST NICOLA VOLCANIC AND SEDIMENTARY ROCKS
3	PLUTONIC ROCKS
2	NICOLA GROUP
1	PROBABLE NICOLA GROUP

SYMBOLS

THRUST FAULT

MAJOR FAULT

J.E.L. LINDINGER, P.Geo.

EPI CLAIM

KAMLOOPS MINING DIVISION

REGIONAL GEOLOGY

Figure 3 | BY J.E.L. LINDINGER

96/12/29 | SCALE 1:50 000

directed folding and southwest dipping thrust faulting.

Erosion from the mid Jurassic to the early Tertiary exhumed the Nicola rocks to the level where ductile deformation fabrics were exposed. These southeast striking penetrative fabrics characterize large volumes of pre-Tertiary lithologies in the region.

Early Tertiary dextral transtensional activity generated north striking dextral strike-slip faults with subordinate northeast and east striking 'basin and range' normal faults, as well as reactivating the southwest striking transpressive structures. Locally thick Kamloops Group sedimentary sequences were deposited in these structural basins. The sediments and the older lithologies were overlain by subaerial bimodal rhyolitic to basaltic volcanic deposits and related shallow level intrusions. Once such center in the Napier Lake area deposited highly variable accumulations of rhyolite, basalt, and andesite flows, tuffs and breccias. Coeval intrusive activity generated locally extensive hydrothermal alteration and accompanying copper and gold mineralization in porphyry to epithermal environments.

Remnants of undeformed Miocene "Chilcotin Group" flood basalts lie in a broad discontinuous arc within a 5 km radius of Napier Lake.

The only known Pleistocene basalt deposits occur south of Merritt.

Pleistocene to Recent accumulations of consolidated and unconsolidated glacial, interglacial and post glacial sediments cover large expanses of the area.

GEOLOGY - PROPERTY

The Nap Occurrence is hosted by the Nap Shear Zone that appears as a large 1500 meter long by 300 to 700 meter wide window of a 110° with subordinate 160 ° striking quartz-sericite-pyrite 'stain', thought by (Rebagliati 1973) to be an assemblage of tectonized and hornfelsed Nicola Group volcanic intruded by apophyses of the Wild horse Batholith along its southwest contact. Eocene aged Kamloops Group rhyolite, basalt and andesite intrude and surround the exposed parts of the Occurrence. The Napier Lake valley which the western third of the property partially overlies on the valleys eastern side, contains numerous north, northwest and east striking rhyolitic to basaltic feeder dykes and plugs that intrude and grade into subaerial remnant composite cones with flow, autobreccia, breccia dyke and tuff deposits. The intensity and diversity of subvolcanic rock types is suggestive of a small volcanic center that is centered on a deep hole (vent?) that the south end of the Napier Lake now occupies. Post volcanic erosion, and block faulting have eroded and displaced the original deposits.

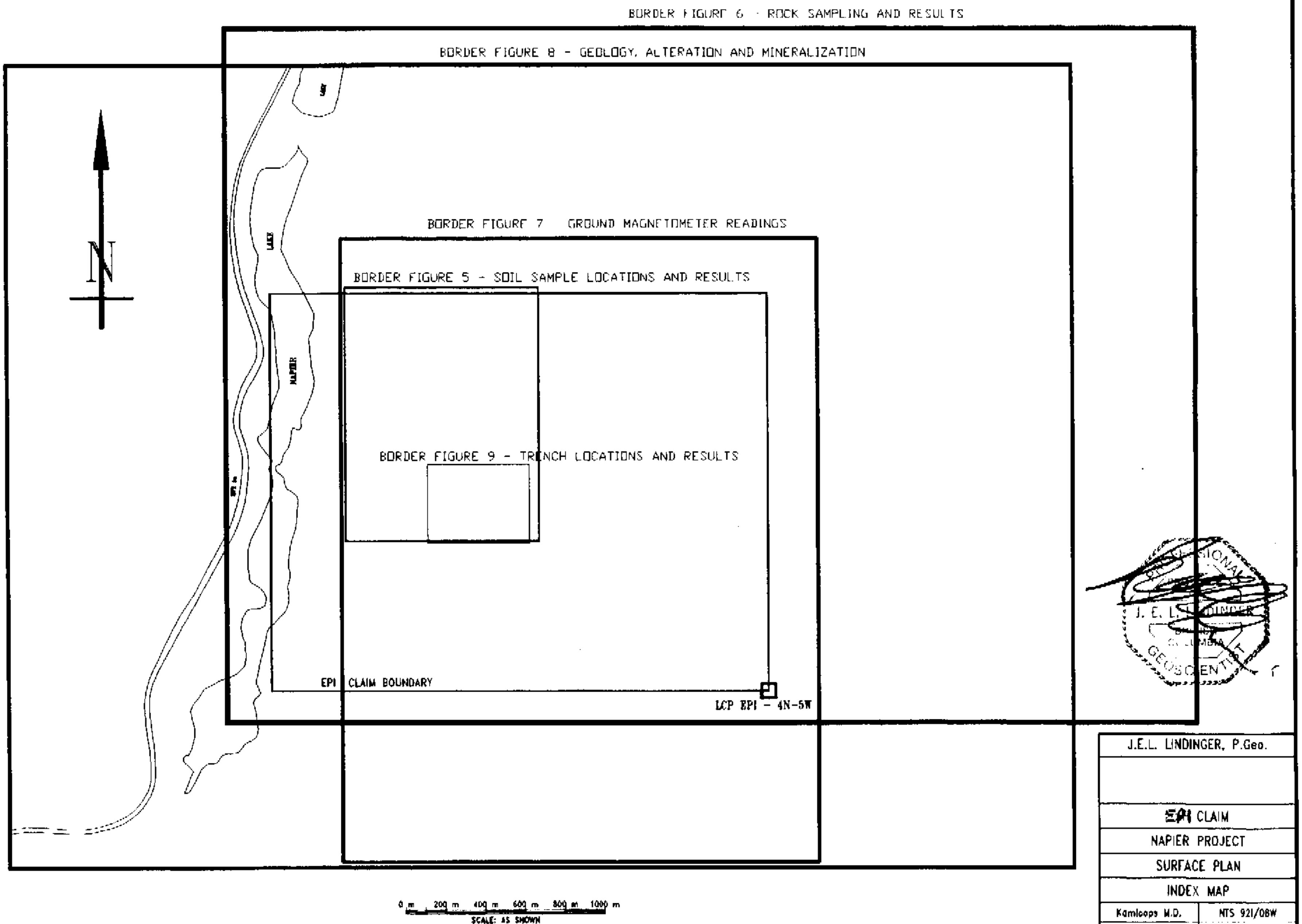
Hornfelsed Nicola argillaceous, tuffaceous, chert and limey sediments contain penetrative schistose deformation fabrics with very fine to fine grained secondary biotite. These rocks and the overlying Kamloops group volcanics are locally intensly bleached and hydrothermally altered. Intense quartz pyrite alteration is confined to pre Kamloops lithologies as currently exposed. Argillic alteration is present in all rock pypes but is most common in Nicola and felsic Kamloops Group rocks, especially adjacent to the quartz-sericite-pyrite (phyllic) alteration hosted by the older rocks. Comparison with known economic porphyry copper-gold and porphyry gold deposits suggest that this zone may be part of a high level silicic, phyllic and argillic alteration haloe of a continental style porphyry copper-gold deposit generated by Tertiary intrusive activity. Surface exposures of the altered Nicola aged rocks hosting the highly anomalous copper, gold, zinc, silver, and mercury values that define the known exploration targets.

All percussion holes drilled into the exposed alteration zone reported elevated copper, zinc and locally gold mineralization. The best results were in hole 73-P11 which reported 33.5 meters grading 0.21% copper. Hole 73-P8 reported 0.19% copper over 18.3 meters. Hole 73-P9 reported 230 ppb gold over 3.1 meters within a 15 m (hole length) zone of elevated gold values bordered by a wider length of anomalous copper-zinc mineralization. Hole 73-P-3 over 500 meters to the east of the surface exposures intersected altered and mineralized material at the bottom of the hole.

Pre-1996 surface programs by Gruenwald, Leishman and Lindinger, located pre-Tertiary schistose metasedimtary exposures containing secondary biotite with overprinting quartz-pyrite alteration and quartz crackle breccias reporting; copper exceeding 1% (10,000 ppm), zinc exceeding 8,000 ppm, gold to 580 ppb, and mercury to 325 ppb. The hydrothermally altered rhyolite containing structurally controlled quartz-carbonate-pyrite stockwork veining and dykelets of basalt and later hematite stockwork veins report up to 410 ppb mercury.

The results of the 1996 exploration program suggest that felsic dykes intruding the shear zones generated the hydrothermal system that produced the phyillic (silica-pyrite (acid sulphate)), argillic and distal propylitic and carbonate alteration haloes and related mineralization.

Highlights of the 1996 exploration program are, 440 ppb gold, 0.08% copper over a 43.5 meter



J.E.L. LINDINGER, P.Geo.	
EPI CLAIM	
NAPIER PROJECT	
SURFACE PLAN	
INDEX MAP	
Kamloops M.D.	NTS 92I/08W
Figure 4	DRAWN BY JELL
DATE 97/01/23	NP95-04

width, with a high of 1.9 g/t gold over 5 meters. Copper mineralization occurs as finely disseminated chalcopyrite in biotite altered schists, and in late brittle fracture zones. The brittle fracture phase is extensively weathered and leached and the actual pre-weathered copper content may be much higher. Comparative sampling of the thin glacial cover, altered subsoil and shallow trenching indicate that the till in this area, although thin, is an effective geochemical mask. The copper and gold values in the trenching are much higher than surface results often indicate. These geological indicators and geochemical results strongly suggest Eocene age porphyry to epithermal style alteration and mineralization, possibly related to the nearby Stump Lake-Microgold Epithermal Camp.

Thin to locally thick pre?, intra?, and post glacial deposits cover much of the area. As discussed above, even thin glacial cover can be an effective mask of underlying mineralized material.

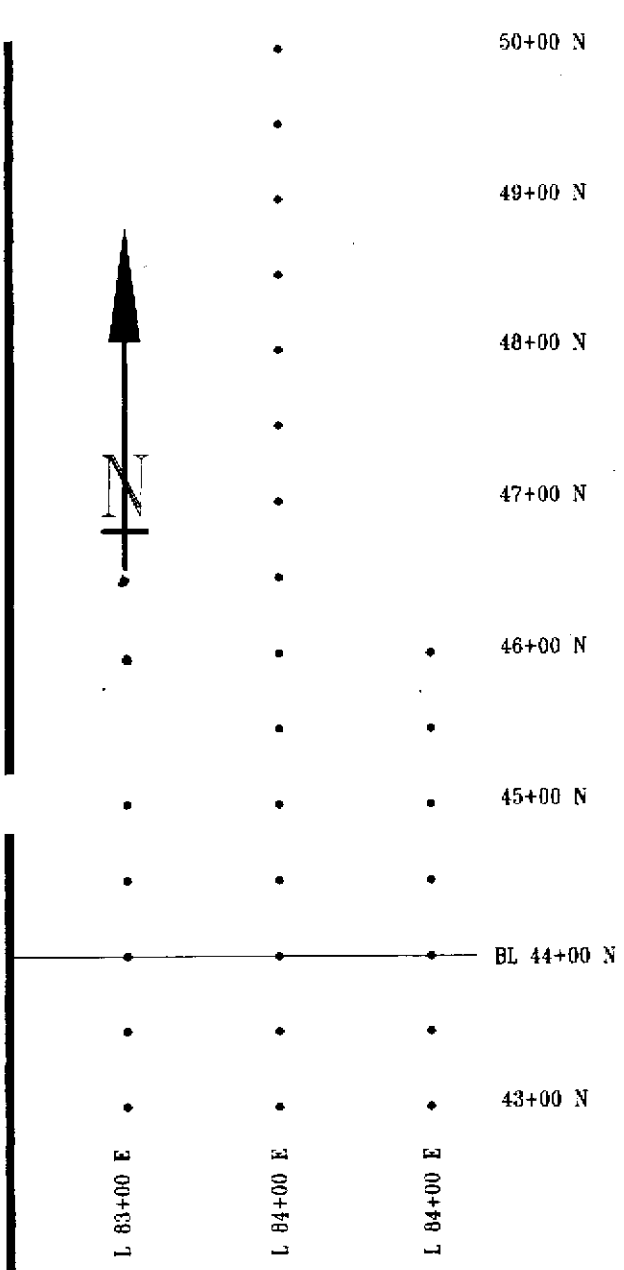
1996 WORK PROGRAM and RESULTS

Napier Coordinate system. A compassed, slope corrected and picketed grid was established over roughly 40 % of the property. The purpose of this grid was to establish control for later exploration activity. A baseline 4000 N striking at 090 $^{\circ}$ was established across the center of the property. Station 4000 N 9000 E was located at the collar of PH 73-08 roughly in the center of the claim. Detailed grids were established for 300 to meters south, 600 to 900 meters west, 1200 meters north and 300 to 900 meters east of this coordinate.

SOIL GEOCHEMISTRY

See Figure 5 for Soil Sample Locations and Results

A limited multielement soil geochemistry program was completed on lines 8300 to 8500 E from 4300 to 5000 N to try to establish the potential for extending mineralization northeast of the known extent beyond areas covered by other recent multielement surveys. The samples were sent to Eco-Tech Laboratories of Kamloops, British Columbia to be analyzed for gold, and 28 element Induced Coupled Plasma (ICP) multielement analyses. The soil sample are prepared by drying, then screening and separation of the - 80 mesh fraction. Subsamples of this material were prepared for analyses. For gold a 30 gram subsample was fire assayed with atomic absorption finish. From a second subsample the additional 28 elements were



Tag #			Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La
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83+00E	43+50	N	<5	<0 2	3 12	<5	125	<5	0 49	1	15	13	132	6 63	<10
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85+00E	46+00	N	<5	<0 2	2 28	<5	150	<5	0.90	1	13	44	47	3 65	10

Tag #			Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
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83+00E	44+00	N	0 85	679	<1	0 08	19	1090	<2	<5	<20	105	0.15	<10	95	<10	2	87
83+00E	44+50	N	0.86	841	<1	0.04	34	1520	<2	<5	<20	90	0.16	<10	87	<10	4	69
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84+00E	44+50	N	1.08	614	<1	0.27	23	1360	<2	<5	<20	108	0.14	<10	81	<10	2	52
84+00E	45+00	N	0.79	690	<1	0.08	26	1190	<2	<5	<20	77	0.17	<10	82	<10	3	56
84+00E	45+50	N	0.99	992	<1	0.08	12	1430	<2	<5	<20	64	0.13	<10	172	<10	<1	69
84+00E	46+00	N	0 72	1072	<1	0.05	16	1490	<2	<5	<20	83	0 13	<10	93	<10	3	98
84+00E	46+50	N	0.77	734	<1	0.06	20	1230	2	<5	<20	89	0.15	<10	67	<10	6	90
84+00E	47+00	N	0.91	615	<1	0.05	24	1070	<2	<5	<20	79	0.13	<10	100	<10	2	52
84+00E	47+50	N	1.38	780	<1	0.06	16	3200	<2	<5	<20	76	0.13	<10	154	<10	<1	70
84+00E	48+00	N	1.34	636	<1	0.10	10	1280	<2	<5	<20	87	0.12	<10	190	<10	<1	51
84+00E	48+50	N	0.38	214	<1	0.05	4	490	<2	<5	<20	69	0.11	<10	37	<10	4	35
84+00E	49+00	N	0 29	276	<1	0.06	5	720	<2	<5	<20	86	0.09	<10	38	<10	4	43
84+00E	49+50	N	0 25	445	<1	0.02	4	1170	<2	<5	<20	54	0.06	<10	38	<10	4	51
84+00E	50+00	N	0.83	597	<1	0.18	22	1080	<2	<5	<20	132	0 16	<10	75	<10	2	46
85+00E	43+00	N	2.11	2076	<1	0.12	26	1580	2	<5	<20	286	0.14	<10	222	<10	13	264
85+00E	43+50	N	1.24	999	<1	0.08	14	1730	<2	<5	<20	202	0.14	<10	146	<10	2	118
85+00E	44+00	N	1.06	746	<1	0.08	19	1670	2	<5	<20	149	0.15	<10	114	<10	3	91
85+00E	44+50	N	0.98	607	<1	0.06	26	1150	6	<5	<20	99	0.17	<10	106	<10	4	90
85+00E	45+00	N	0.66	591	<1	0.06	27	1330	<2	<5	<20	101	0.15	<10	83	<10	2	44
85+00E	45+50	N	0.74	697	<1	0 05	22	1420	<2	<5	<20	93	0.16	<10	84	<10	3	65
85+00E	46+00	N	0 71	655	<1	0 04	27	1590	<2	<5	<20	86	0 15	<10	83	<10	3	55

PROFESSIONAL GEOSCIENTIST — PROVINCE OF BRITISH COLUMBIA — J.E. LINDINGER

• SOIL SAMPLE LOCATION

50 0 50 100 150 200 M

1:5000

J.E.L. LINDINGER, P.Geo.

EPI CLAIM

NAPIER PROJECT

SURFACE PLAN – DETAIL

SOIL SAMPLE LOCATIONS AND RESULTS

KAMLOOPS M.D.	NTS 92I/08W
Figure 5	Drawn by JELL
DATE 97/01/11	

analyzed by ICP techniques.

Copper was weakly anomalous along line 8400 E where samples near propylitically altered and weakly silicified Nicola Volcanics were mapped. Copper was weakly to moderately anomalous along the south end of the sampled area returning up to 569 ppm at 4350 N 8500 E in strongly bleached, sericitic altered and silicified Nicola rocks in the Nap Shear Zone. Zinc was very weakly anomalous coincident with copper.

No gold responses exceeded 10 ppb. Silver was not anomalous. Line 8500 E north of 4400 N and the area for at least 500 meters east of this line is covered by a drumlin and was not sampled.

ROCK GEOCHEMISTRY

See Figure 6 for Rock Sample Locations and Results.

Limited rock sampling was completed throughout the property, and of potentially economic rock exposures in areas surrounding the claim. Samples were taken in areas generally not previously sampled. The samples were sent to Eco-Tech Laboratories of Kamloops, British Columbia to be analyzed for gold, and 28 element Induced Coupled Plasma (ICP) multielement analysis. The rock samples are prepared by drying if required, then crushed to -10 mesh. A 250 gram subsample was pulverized to -140 mesh. For gold a 30 gram subsample was taken of the pulp and fire assayed with atomic absorption finish. From a second pulverized subsample the 28 additional elements were analyzed by ICP.

Results were generally disappointing however a few selective element anomalies were located. Sample LL-N-96-003 of a marbleized vein sample containing disseminated sulphides at 4155 N 8105 E near the west end of the Nap shear zone at Napier lake reported 105 ppb gold 0.8 ppm silver, 443 ppm zinc and 2579 ppm manganese. Sample LL-N-96-015, a 1 meter thick west striking quartz vein in a shear zone containing argillically altered Nicola rocks at 4405 N 8125 E near Napier Lake reported 55 ppb gold, and 124 ppm chromium. A sample of ferricreted sericitic schist gravel in a intermittent stream at 3950 N 9725 E was anomalous in barium, cobalt, manganese, phosphorus and strontium. The significance of this multielement response is not known, however the presence of highly altered sericitic schist 400 meters east of the closest similar exposures indicates that potentially economic mineralization may be close by either to the

north, ie down ice, or to the south, ie upstream, or fluvial reworking of glacially transported material. Percussion drill holes (73-P3 and 4) in this area encountered deep 'gravel' prior to intersecting altered schists at depth and do not explain the source of this material.
Samples REF 1, 2 and 3, a short distance northeast of the property in propyliticaly altered diorite of the Wild Horse Batholith are also slightly anomalous in barium, manganese, and strontium.
A sample of red altered Eocene rhyolite (dyke) LL-N-96-064 at 3350 N 8170 E reported 127 ppm molybdenum, and 232 ppm strontium. A soil sample LL-N-96-065 at 3350 N 8160 E below this area where chalcedonic quartz veining was noted reported anomalous barium, 10 ppb gold, and 13 ppm molybdenum. A sample of weakly argillically altered basalt LL-N-96-62 reported 280 ppm barium. Samples of quartz-carbonate-pyrite stockwork veining hosted by argillically altered rhyolite near 5700 N 8750 E were not anomalous in any elements anaylized by the ICP analyses..

GROUND MAGNETIC SURVEY

Refer to Figure 7 - Ground Magnetometer Readings
A detailed total field proton precession ground magnetic survey was completed in areas to the northwest and east-southeast of the areas of exposed alteration and mineralization. For comparison with past surveys a few reconnaissance lines over the areas covered by past surveys were completed in the mineralized areas. This survey was designed to provide relatively detailed omnidirectional coverage of overburden covered areas masking possible extensions of the exposed alteration zones. The northwest area of the survey was oriented east west to provide detail on several north striking structures and alteration zones noted by mapping earlier this year. East of 8900 E no significant anomalies were outlined. Several local mag highs and lows may represent small exposures of magnetic basalt flows or dykes. West of 8900 E several strong mag lows often with accompanying highs are found over steeply dipping rhyolite dykes. A discontinuous mag low strikes from 4750 N 8700 E to the southeast towards a large exposure of flat lying rhyolite and may represent a buried dyke. A broad moderate mag high centered at 4400 N, 8700 E coincides with the top of a steep sided north striking drumlin and may be related to topography. A weak east striking mag high appears to be coincident with the center of the alteration zone and related mineralization over PH-73-11 at about 4120 N 7680 E where 33.5

meters grading 0.21% copper was intersected. This signature may be related to weakly magnetic altered felsic dykes similar to those noted to the west (see accompanying geological section). The area covered to the east of the known mineralized areas revealed several discreet anomalies that may represent surface expressions of alteration and possible mineralization along the eastward extension of the Nap Shear Zone. A local survey over the eastern end of the known silicified zone and comparison of past surveys reveal small mag highs within a broader weak magnetic low occurs over the mineralized areas. Local highs are located at 3750 N 9300 E, and a southeast trending high from 3700 N 4450 E to 3500 N 7800 E. Other anomalies are at 3500 N 3600 E where north northeast and southeast trends are found, and at 3800 N 8850 E where a northwest striking anomaly paralleling a deep gully is found. This signature may represent a dyke, or deep steep walled buried valley as the anomaly is over flat topography. Percussion drill holes 73-P3 and 4 in this area encountered deep 'gravel' prior to intersecting altered schists at depth.

GEOLOGICAL MAPPING AND PROSPECTING

The results of the mapping and prospecting program are depicted in summary form in Figure 8, reveal that the Nap alteration and mineral system is more extensive than previously known. The presence of argillic altered rhyolite 1.5 km north-northwest, about 4 km north (personal observation), and along the southeast side of Napier Lake strongly suggest that Nap alteration and mineral system was related to Eocene intrusive and extrusive activity. Mapping and prospecting of the known mineralized areas indicate that the alteration zones are spatially related to major preexisting structures having east to southeast striking south dipping (reactivated thrust faults) and north striking subvertical (related to Eocene north northwest striking transtensional block faulting) faults. The north trending Campbell Creek Valley of which Napier Lake forms the south end may be a graben. Intrusive activity along the east striking Nap Shear Zone generated the copper and gold bearing hydrothermal systems now partially exposed. The Nap Shear Zone strikes easterly with an apparent south dip of 50 to 80 degrees from near the center of the north trending 2 km long Napier Lake, through hornfelsed and recrystallized fine grained distal tuffs, greywackes, mudstones, limy cherts, and rare volcanic breccias of the eastern facies of the Triassic Nicola volcanic arc. The intrusive contact of the Wild Horse Batholith with the Nicola rocks is covered by glacial till but is interpreted to be about 1 km northeast of this location and having about a 135 ^{o} striking contact. The Nap Shear Zone is continuously exposed from Napier Lake striking eastward for about 600 meters then is covered by glacial till for an additional 300 meters to be partially exposed for an additional 400 meters before its strikes southeastward under extensive kilometer wide blankets of glacial till. The exposed shear zone has the following characteristics; from north to south the host rocks grade from moderately resistant weakly silicified propylitically altered, grading to a recessive 50 to 100 meter wide zone of intensely altered strongly pyritic sericite schist that contains blocks of less altered schist and 30 cm to 10 m diameter undeformed boudined? pods of ultramafic rock. Deeper exposures of this rock type form bright yellow crumbly, pasty when wet, material with occasional dark grey mottles of remnant pyrite. This material has the charcteristics of an intense acid sulphate alteration zone. The next zone is a 50 to 75 meter wide zone of locally and discontinuously strongly to intensely silicified pyritic rock. It is this altered rock type that forms the resistant exposures of the Nap Occurrence. The silicification is often texturally destructive with the remaining rock a massive leucocratic siliceous mass with 2 to 6 % finely to medium grained disseminated pyrite. Where the host rock was probably a cherty limestone the carbonate has been remobilized into coarse grained marble veins, pods and fracture fillings. Chalcopyrite is often associated with this rock type which has been mapped close to both percussion drill holes 73-P8 and 73-P11, and may strike through Trench 96-14. Associated with this intense silicification and hardening are locally intense quartz crackle breccia zones. The crackle breccia fractures usually have brown to black strongly oxidized coatings suggestive of leached sulphides. Gypsum often forms tabular crystals in these fractures. Occasionally within the silicified zone are outcrops of intensely altered massive unfoliated fine grained of what may be felsic feldspar? porphyry dykes. One occurrence of this rock type has been located 4175 N 8400 E. While a sample of this rock returned negligible base and precious metal values, the presence of percussion drill hole 73-P11 which reported 33.5 meters grading 0.21% copper less than 300 meters to the east and a soil sample some 150 meters northeast returning 565 ppm copper from this site is interesting. The intensity of the silicification appears to be increasing to the southeast along the shear zone with increasing gold values, especially in the rock exposures southeast of percussion hole 73-P8.

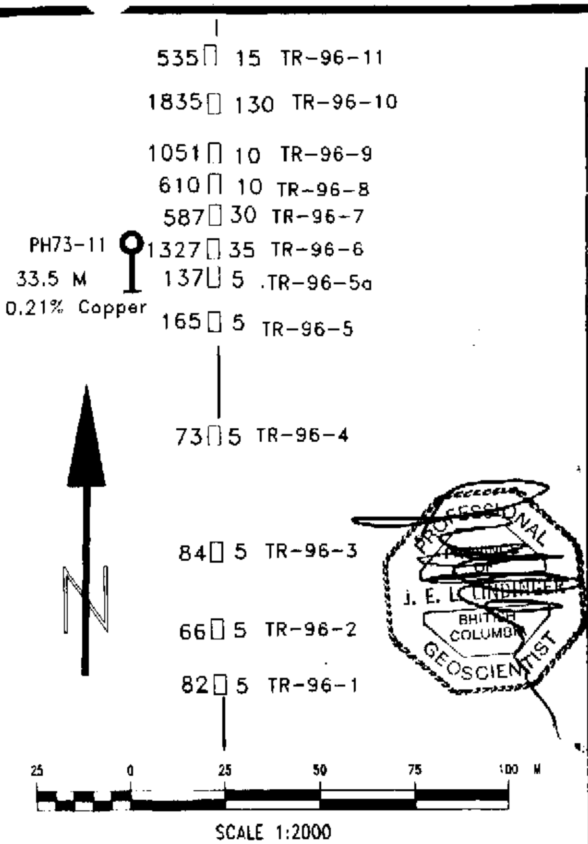
South of this zone is a narrow about 25 meter thick zone of intense sericitic alteration. This zone grades into a zone of distinctive dark red-brown hard weakly silicified and biotite altered hornfelsed schistose Nicola metasediments and tuffs. These rocks can be locally highly anomalous in copper which forms fine grained disseminations associated with secondary biotite. A large outcrop centered at 5050 N 8750 E with silicified and bleached Nicola metatuffs and metasediments that contained several quartz-pyrite veins and stockwork zones that returned slightly anomalous copper values. Alteration is increasing to the southeast towards a large depressed area. An outcrop of foliated diorite less that 25 meters east of this outcrop may indicate this area as along the intrusive contact of the Wild Horse Batholith. The presumed contact is coincident with a pronounced north striking magnetic low flanked by weak magnetic highs.

TRENCHING

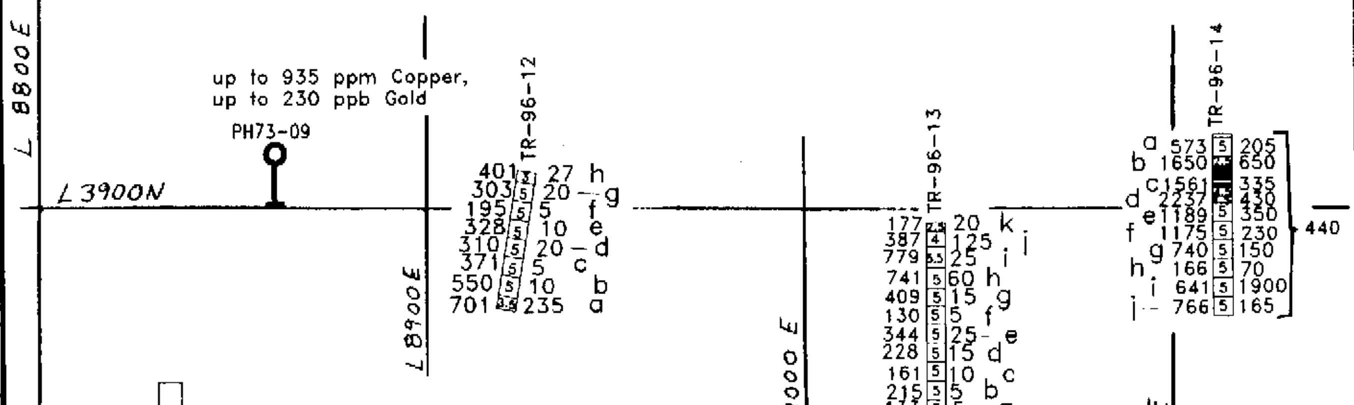
Refer to Figure 9 - 1996 Trenching Results

The 1996 trenching program was conducted in areas of suspected shallow overburden cover considered to be strike extensions of known mineralized areas. Trenches 96-1 to 11 were short north striking trenches excavated along line 8700 E from 4025 N (Tr 96-01) to 4190 N (Tr 96-11). The collar of 73-P11 located at about 4125 N 8680 E and drilled at 70 degrees to the south intersected 33.5 meters grading 0.21% copper. Observations of the bedrock exposed in these trenches indicates about a 50 to 60 degree south dip to the foliation and the interpreted dip of the mineralized zone. The best values were returned in trench 96-10 at a 3 meter depth where 0.18% copper and 130 ppb gold in well oxidized soft schistose bedrock. This trench is 50 meters north of the collar of PH-73-11. It is doubtful wether the values intersected in this trench were intersected in the drill hole. Trench 96-11 some 15 meters north of Trench 96-10 was also anomalous in copper and gold indicating that the north extent of the mineralized system has not been defined.

Trench 96-12 is 36.5 meters long and located 60 meters east of percussion hole 73-P9 along a line at about 8925 E from 3870 N to 3908 N. This trench intersected silicified and brown biotite altered schists. The best results were 701 ppm copper and 235 ppb gold in the southernmost sample which had brown weakly silicified and bleached biotite schist. Malachite coatings were observed in this sample. This indicates that the mineralized system has not been adequately



TRENCH	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
96-01	F - 34458	5	<0.2	2.58	<5	135	<5	3.95	1	12	25	82	3.74	<10	1.78	1541	2	0.12	5	880	30	15	<20	73	0.07	<10	110	<10	6	158
96-02	F - 34459	5	<0.2	2.95	<5	225	5	2.50	<1	13	53	86	3.49	<10	1.75	1487	<1	0.17	4	1010	22	15	<20	88	0.16	<10	145	<10	10	139
96-03	F - 34460	5	<0.2	2.98	<5	90	<5	3.05	<1	13	34	84	3.28	<10	1.37	1484	<1	0.20	8	970	26	5	<20	86	0.10	<10	112	<10	8	103
96-04	F - 34461	5	<0.2	3.88	<5	105	10	1.87	<1	14	52	73	3.82	<10	1.79	1082	1	0.24	4	990	32	15	<20	100	0.13	<10	155	<10	4	128
96-05	F - 34462	5	<0.2	3.33	<5	100	<5	2.69	<1	22	20	165	3.89	<10	1.78	685	<1	0.25	13	2710	20	15	<20	98	0.12	<10	190	<10	7	64
96-06	F - 34463	35	2.2	3.07	<5	55	<5	4.82	3	23	30	1327	5.26	<10	1.60	2595	33	0.28	13	1420	146	5	<20	71	0.09	<10	172	<10	<1	394
96-06a	F - 34464	5	<0.2	3.09	<5	165	<5	9.63	<1	18	38	132	3.73	<10	1.79	1717	<1	0.23	14	1120	22	15	<20	146	0.16	<10	208	<10	7	71
96-07	F - 34465	30	0.8	2.64	<5	65	<5	5.43	3	15	44	587	3.85	<10	1.90	2447	9	0.21	12	1330	182	15	<20	113	0.12	<10	199	<10	8	407
96-08	F - 34466	10	1.4	1.73	<5	80	<5	2.95	2	14	35	610	4.87	<10	1.61	2228	7	0.06	16	1280	280	15	<20	65	0.07	<10	173	<10	11	257
96-09	F - 34467	10	0.4	0.85	45	50	<5	5.52	4	14	37	1051	6.08	<10	1.26	2487	13	0.04	15	880	14	<5	<20	105	0.08	<10	125	<10	24	396
96-10	F - 34468	130	2.8	2.41	<5	50	<5	8.23	11	26	23	1835	4.58	<10	1.08	2035	39	0.14	22	980	100	5	<20	83	0.05	<10	120	<10	28	619
96-11	F - 34469	15	0.4	1.12	30	50	<5	5.52	2	19	43	535	3.32	<10	1.33	1151	8	0.05	10	1030	76	10	<20	32	0.12	<10	168	<10	9	230
96-12-a	F - 34470	235	<0.2	3.95	<5	135	<5	2.63	2	26	19	701	5.96	<10	2.72	2653	<1	0.16	8	1420	56	15	<20	67	0.23	<10	263	<10	5	324
96-12-b	F - 34471	10	<0.2	2.35	<5	50	<5	1.75	5	21	19	550	3.77	<10	0.50	567	3	0.20	8	1430	22	<5	<20	84	0.08	<10	71	<10	2	159
96-12-c	F - 34472	5	<0.2	1.95	<5	35	<5	1.57	<1	18	14	371	3.68	<10	0.68	798	2	0.15	3	1410	20	<5	<20	67	0.11	<10	89	<10	4	91
96-12-d	F - 34473	20	<0.2	1.24	<5	35	<5	1.03	<1	18	25	310	3.65	<10	0.86	723	<1	0.08	4	1350	14	5	<20	34	0.14	<10	84	<10	6	116
96-12-e	F - 34474	10	<0.2	1.19	<5	50	<5	1.36	<1	22	24	328	3.93	<10	0.67	541	1	0.07	5	1290	16	<5	<20	33	0.15	<10	85	<10	4	72
96-12-f	F - 34475	5	<0.2	1.08	<5	40	<5	0.85	<1	12	23	195	3.69	<10	0.61	454	<1	0.07	3	1290	12	<5	<20	38	0.16	<10	87	<10	5	60
96-12-g	F - 34476	20	<0.2	1.94	<5	60	<5	1.39	<1	17	27	303	3.72	<10	0.84	693	2	0.14	7	1290	18	<5	<20	51	0.12	<10	86	<10	3	113
96-12-h	F - 34477	25	<0.2	1.84	<5	35	<5	1.73	<1	18	28	401	3.74	<10	0.80	712	3	0.13	8	1300	22	10	<20	51	0.11	<10	88	<10	2	98
96-13-a	F - 34478	5	<0.2	1.87	<5	70	<5	1.55	2	15	17	133	4.32	<10	1.23	1124	4	0.08	5	1050	38	20	<20	34	0.07	<10	112	<10	10	265
96-13-b	F - 34479	5	<0.2	1.25	155	50	<5	5.35	3	21	4	215	5.11	<10	1.10	1727	4	0.03	5	1240	26	15	<20	35	0.02	<10	101	<10	5	489
96-13-c	F - 34480	10	<0.2	1.41	35	35	<5	1.23	<1	20	7	161	4.04	<10	1.01	829	<1	0.06	4	1530	18	5	<20	23	0.11	<10	115	<10	4	163
96-13-d	F - 34481	15	<0.2	1.80	10	30	<5	1.51	1	21	14	228	4.13	<10	1.19	1106	4	0.08	6	1550	24	<5	<20	23	0.08	<10	120	<10	3	219
96-13-e	128662	25	<0.2	1.85	5	40	<5	1.34	<1	20	10	344	4.50	<10	1.13	1064	4	0.09	6	1480	28	10	<20	28	0.09	<10	115	<10	2	210
96-13-f	128663	5	<0.2	1.14	<5	30	<5	1.98	<1	13	41	130	2.82	<10	0.61	683	2	0.05	4	1100	18	5	<20	28	0.08	<10	70	<10	5	89
96-13-g	128664	15	<0.2	1.46	5	35	<5	4.73	1	22	7	409	4.54	<10	1.17	1471	3	0.03	7	1280	22	20	<20	30	0.08	<10	110	<10	2	219
96-13-h	128665	60	<0.2	1.75	<5	90	<5	1.76	2	21	67	741	5.33	<10	1.76	786	6	0.03	45	1080	24	20	<20	21	0.14	<10	174	<10	8	299
96-13-i	128666	25	<0.2	2.03	<5	60	<5	2.51	1	28	86	779	4.55	<10	1.41	858	4	0.06	48	1070	40	15	<20	21	0.11	<10	142	<10	8	288
96-13-j	128667	125	<0.2	3.02	<5	85	<5	3.02	2	16	<1	387	6.28	<10	2.01	1440	3	0.12	4	1040	70	25	<20	37	0.20	<10	228	<10	6	336
96-13-k	128668	20	<0.2	2.13	45	85	<5	1.74	4	33	10	177	5.64	<10	1.80	1803	3	0.05	12	1360	44	20	<20	13	0.12	<10	195	<10	10	564
96-13-l	128669	5	<0.2	2.42	<5	75	<5	3.81	1	15	32	103	4.35	<10	1.47	1531	2	0.13	5	1050	106	10	<20	40	0.11	<10	159	<10	4	263
96-13-m	128670	5	<0.2	1.48	<5	70	<5	1.49	<1	11	20	103	4.60	<10	1.32	1014	2	0.05	3	1020	38	15	<20	25	0.09	<10	123	<10	1	138
96-14-a	128671	205	<0.2	2.05	<5	50	<5	1.44	1	25	40	573	5.09	<10	0.97	810	3	0.14	6	1310	56	<5	<20	37	0.13	<10	111	<10	3	231
96-14-b	128672	650	4.4	1.51	<5	55	<5	1.64	<1	18	32	1650	5.84	<10	1.05	1458	2	0.08	5	1080	96	<5	<20	31	0.15	<10	129	<10	<1	222
96-14-c	128673	335	2.8	2.48	<5	70	<5	2.42	2	28	27	1561	7.01	<10	1.24	1587	5	0.07	8	1150	1014	5	<20	44	0.13	<10	123	<10	1	605
96-14-d	128674	430	4.2	3.98	<5	75	<5	4.41	4	28	33	2237	7.49	<10	1.83	2105	7	0.18	10	1140	208	<5	<20	58	0.13	<10	191	<10	<1	729
96-14-e	128675	350	2.6	3.05	<5	65	<5	4.54	2	23	49	1189	7.18	<10	1.25	1838	14	0.18	8	1230	190	<5	<20	48	0.12	<10	173	<10	<1	312
96-14-f	128676	230	2.2	3.84	5	60	<5	6.28	5	24	41	1175	6.49	<10	1.50	2753	8	0.14	7	1280	170	15	<20	44	0.10	<10	182	<10	<1	865
96-14-g	128677	150	1.0	3.01	<5	75	<5	2.87	2	27	44	740	5.08	<10	1.88	2058	13	0.17	8	1230	162	15	<20	44	0.14	<10	188	<10	3	525
96-14-h	128678	5	<0.2	2.35	<5	70	<5	3.09	1	18	54	166	4.30	<10	1.48	1547	3	0.13	8	1100	38	20	<20	44	0.12	<10	138	<10	8	153
96-14-i	128679	1900	2.2	2.88	<5	80	<5	4.09	3	18	27	641	7.48	<10	0.90	1429	5	0.11	8	1090	182	5	<20	36	0.16	<10	150	<10	<1	537
96-14-j	128680	165	1.0	4.24	<5	55	<5	3.65	<1	18	44	766	5.80	<10	1.10	1019	5	0.09	4	1450	106	<5	<20	35	0.09	<10	150	<10	<1	387



Cu ppm | 5 | Au ppb Trench (copper, length of sample in meters, gold)
no length indicates representative grab

J.E.L. LINDINGER, P.Geo.

EPI CLAIM

NAPIER PROJECT

SURFACE PLAN

1996 TRENCHING RESULTS

Kamloops M.D.	NTS 92I/08W
Figure [illegible]	Drawn by JELL
DATE 97/01/20	

exposed in this location.

Trench 96-13, a 60 meter long north trending trench some 110 meters east of Trench 96-12 exposed strongly bleached, silicified and highly oxidized schistose Nicola metasediments. The highest values were obtained in the north end of the trench where 779 ppm copper and 125 ppb gold were reported in different samples. Minor amounts of malachite were observed in the sampled material. There is some evidence to support that increasing values may be obtained north of this trench where 73-P8 at 4000 N 9000 E, 100 meters north northwest of the trench intersected 18.3 meters of 0.19% copper.

Trench 96-14, 75 meters northeast of trench 96-13 exposed slightly less bleached schist than in Trench 96-13. Malachite and black oxides were observed in the sampled material. The results from this trench were very encouraging for both copper and gold. Average gold content for the entire trench is 440 ppb with a high of 1900 ppb (1.9 g/t) over a 5 meter sample width. A north northwest striking structure was exposed in this location so it is unknown wether this sample represent a true width. The 1.9 g/t is a average for two reject splits from the sample.

Copper was anomalous to highly anomalous in all samples from this trench with the highest copper value reported at 2237 ppm over 1.5 meters in a highly silicified zone within softer sericitic schist. The entire trench averaged 440 ppb (0.44 g/t) gold and 800 ppm (0.08%) copper. It is noted that the material is highly oxidized and with probable significant leaching of copper.

Trenches 96-12 to 96-14 are south of the known copper in soil anomalies. thus the encouraging copper and gold exposed by this shallow program are encouraging.

CONCLUSIONS

Analysis of the exploration results of the 1996 and earlier exploration programs suggest that rocks covered by EPI Claims contain a partially eroded, and paleo-weathered (Tertiary?) porphyry-transitional-epithermal? copper-gold deposit. Highlights of these programs are: trench 96-14 where 1.9 g/t gold and 2237 ppm copper were exposed over 5 and 1.5 meter sample lengths respectively; trench 96-10 50 meters north of south dipping Percussion Hole 73-P11 returned 1825 ppm (0.18%) copper and 130 ppb gold in highly oxidized Nicola schists; percussion hole 73-P11 intersected 33.5 meters grading 0.21% copper in what may be a different zone than that intersected by trench 96-10; Percussion hole 73-08 150 meters northwest of trench 96-14 and 350 meters east southeast of percussion hole 73-P11 and trench 96-10 intersected 18.3 meters grading 0.19% copper, (the areas between 73-P11 and 73-P8 is covered by a moderately thick blanket of glacial till); soil sample 4350 N 8500 E some 200 meters west north west of 73-P11 returned 569 ppm copper in highly oxidized material. Assuming continuity between these data points, a 700 meter long by at least a 70 meter wide, 120 degree striking, steeply south dipping copper and gold mineralized zone is inferred. All indications are, based on the results of trench 96-14 that the zone continues to the southeast and that gold values are increasing in that direction. A detailed ground magnetic survey has outlined several subtle anomalies in this area. Surface exploration is hampered by the fact that large parts of this system are covered by blankets of glacial till, alluvium, rhyolite, and basalt. This mineralized system based on visual examination of the exposures on the property, are hosted by structurally controlled, silicified, pyritized, bleached, and brecciated zones that were generated by hydrothermal activity derived from subvolcanic felsic intrusive bodies. Anomalous mercury hosted by outcrops of hydrothermally altered Nicola meta-sediment and meta-volcanics, and Eocene Kamloops Group rhyolite that overlie the older lithologies suggest that an Eocene age hydrothermal system existed. This event may be related to the Eocene aged epithermal mineralization found in the nearby Stump Lake-Microgold Camp 4 to 15 km to the southwest: where some 70,000 tones of silver, gold, and base metal quartz veins were mined from the Planet Mine; the Mary Reynolds property where assays of shear hosted quartz veins and breccia zones of epithermal affinity have yielded assays exceeding 10,000 ppb gold, with anomalous silver, lead, zinc and copper values; and the Microgold property where potentially economic gold bearing near surface chalcedonic quartz flood, stock work, vein, breccia zones occur.

The widely spaced, shallow, vertical, steeply south and north dipping percussion drilling and poor outcrop exposure of the alteration system have not defined the extent of the porphyry and epithermal? mineralized systems. The Epi property is much more extensively drift covered than the other occurrences in the area.

RECOMMENDATIONS

A $200,000.00 multi phased Stage 1 work program comprising detailed mapping of existing rock exposures for alteration, mineralization and structure; ground geophysical surveys such as induced polarization, or E-Scan; backhoe trenching in areas of relatively thin overburden; and diamond drilling to test and target the known and inferred mineralized zones is proposed.

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STATEMENT OF QUALIFICATIONS

I, J E. L.(Leo) Lindinger, hereby do certify that:

I am a graduate of the University of Waterloo (1980) and hold a BSc. degree in honours Earth Sciences.

I have been practicing my profession as an exploration and mine geologist continually for the past 16 years.

I am a fellow in good standing with the Geological Association of Canada (1987).

I am a registered member, in good standing as a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of the Province of British Columbia (1992).

I own the mineral property described as the Epi Claim.

J.E.L.(Leo) Lindinger, P.Geo.

JAN 28 1997

APPENDIX I - ROCK DESCRIPTIONS

NAPIER ROCK DESCRIPTIONS

1996 field program

Sample #	North	East	Description
LL-N-96- 1	4130	8110	Pyritic siliceous sericitic fine grained Nicola Tuff? with oxidized strong stockwork crackle brecciation. Preferred orientation 350/85, 150/15, 110/80, 050/90 and 010/90.
LL-N-96- 2	4160	8095	10 meter dia. exposure of dark rusty weathering, sericitized, pyritic hornfelsed meta greywacke. Foliation 045/85 to 060/70.
LL-N-96- 3	4155	8105	8 cm thick marbleized carbonate vein, str 015/70. Trace finely disseminated pyrite and chalcopyrite throughout sample.
LL-N-96- 9	4195	8105	Green siliceous foliated fine grained metatuff? with 1% disseminated pyrite in oxidized brittle fractures that contain quartz-pyrite-pyrrhotite veining.
LL-N-96- 10	4325	8095	Flow banded crackle brecciated basalt - andesite dyke? flow banding 180/45. Minor siliceous coatings on open vugs and fractures.
LL-N-96- 11	4330	8080	Basaltic autobreccia dyke with rounded 'cobble sized' fragments loosely cemented together.
LL-N-96- 12	4325	8090	Dark grey weakly banded Nicola metasiltstone, str 070/80. Rock becomes increasingly migmatitic to the east. Increasing secondary biotite to the east. Shearing 090-100/90+/-25.
LL-N-96- 13	4395	8100	Dark grey biotite-sericite schist. Protolith is probably siltstone. Foliation 100/90.
LL-N-96- 14	4395	8095	White quartz veins fragments in ankeritically altered Nicola metatuff. Alteration is within 5 meter thick shear zon, str 080/70 displaying dextral shear.
LL-N-96- 15	4405	8125	Massive, up to 1 meter thick banded quartz vein. Quartz is crosscut by tan ankerite veins. Wall rock is argillically altered tuff.
LL-N-96- 16	4790	8150	Andesitic to basaltic autobreccia plug about 10 m square. Flow banding @ 095/90
LL-N-96- 17	4815	8130	20 meter outcrop of pale felsic tuff with rare quartz and feldspar grains.
LL-N-96- 18	4815	8140	Altered andesitic feldspar porphyry with trace disseminated and stringer sulphides in fractures. Fracturing at 250/70.
LL-N-96- 19	3950	9725	Pyritic stockwork in Kamloops group dacitic flow.
LL-N-96- 20	3950	9725	Rusty iron oxide cemented gravel in northwest draining gully - 6 meters deep.
LL-N-96- 21	4775	8400	Dark grey-green to black greenish fine-grained hornblende porphyry meta-basalt. Rock is extensively crackle brecciated with angular monolithic fragments in an olive green epidote-chlorite altered matrix. Alteration intensity increasing to south.
LL-N-96- 22	4625	8425	Slightly rusty weathering dark grey green propylitically altered fine grained gneissic hornblende porphyry crystal meta tuff or flow? intrusive? Foliation 045/80. Highly fractured with late fractures displaying sulphides.
LL-N-96- 23	4600	8445	Moderately bleached and silicified subcrop Nicola metasediment? schist. 3% finely disseminated pyrite and fracture hosted pyrite.
LL-N-96- 24	4287	8385	Rusty weathering soft fissile sericite schist of altered Nicola tuff or sediment. Late fracturing hosts pyrite and gypsum. Acid sulphate weathering patterns.
LL-N-96- 25	4308	8422	Rusty weathering siliceous sericite schist of altered Nicola tuff or sediment. Late fracturing hosts pyrite and gypsum. Acid sulphate weathering patterns.
LL-N-96- 26	4260	8412	Melanocratic crystalline pyroxenite or olivinite. Rock may be a deformed sill within the Nicola Group. Fragments of this lithology occur in mafic tuff outcrops 100 M north of this loc. More felsic rocks are foliated around these litohogies
LL-N-96- 26	cont'd	cont'd	and are preferentially bleached and altered. Late north striking quartz veins in 170/80 fracture swarms. Pyrite increases at contact with felsic schists.
LL-N-96- 27	4508	8315	Banded siliceous and mafic gneissic metavolcanic/sediment/chert. Late north striking epidotized brittle fractures common.
LL-N-96- 28	4430	8300	Mafic heterolithic volcaniclastic with crystalline ultramafic fragments.
LL-N-96- 29	4900	10000	Mesocratic medium grained gneissic biotite granite. Gneissocity 310/80. Fractures contain epidotized biotite.
LL-N-96- 30	4905	8680	Fine grained biotite hornfelsed mafic lappilli or epiclastic tuff.
LL-N-96- 31	4920	8695	About 090 striking arcuate up to 0.5 cm thick quartz-pyrite vein in tension fractures and psymoids. Movement is dextral.
LL-N-96- 32	4935	8705	White ankerite breccia veins at junction of dominant 015 and secondary 090 faults.
LL-N-96- 33	5060	8820	Melanocratic massive fine grained phaneritic diorite (border phase of Wildhorse batholith?).
LL-N-96- 37	4906	8702	1 cm thick quartz-feldspar-pyrite vein, str 310/50. Wavy stair stepping to southeast. Increasing pyrite in quartz veinins towards south. Wallrock is bleached - argillic alt. for 1-2 cm into epidote altered mafic metatuff.
LL-N-96- 38	5030	8730	Weakly argillically altered, moderately silicified pyritic metatuff. Increasing alteration to southeast.

NAPIER ROCK DESCRIPTIONS

1996 field program

Sample #	North	East	Description
LL-N-96- 39	5082	8757	quartz-pyrite breccia vein in silicified-pyritized hornfelsed metatuff
LL-N-96- 40	5089	8785	quartz-pyrite breccia vein in silicified-pyritized hornfelsed metatuff
LL-N-96- 41	5108	8785	quartz-pyrite breccia vein in silicified-pyritized hornfelsed metatuff
LL-N-96- 44	5780	8750	Carbonate vein in carbonate altered rhyolite - shears 175/60. Increasing alteration to west with increasing quartz and pyrite vein content.
LL-N-96- 45	5777	8750	Fine grained up to 0.5 cm thick quartz-pyrite stock work veins in 080/90 system. Minor sulphide staining in argillically altered wall rock (Kamloops Group rhyolite)
LL-N-96- 46	5750	8740	Pyritic-quartz-carbonate stockwork veining in 240-260/80 shear zone. Veining in 5 meter wide strongly argillically altered Kamloops group rhyolite. Alteration increasing to south and west.
LL-N-96- 47	6100	8300	Felsic devitrified volcanic glass
LL-N-96- 48	5950	8250	Felsic devitrified volcanic glass
LL-N-96- 49	5800	8175	15 m square outcrop of black flinty Nicola metasiltstone. Str 355/80. Carbonate veining in 060/80 fractures.
LL-N-96- 50	5550	8180	Black semi glassy basalt. Flow banding north striking semi vertical.
LL-N-96- 51	5450	8230	Pale hornblende porphyritic dacite. Steeply dipping flow or dyke.
LL-N-96- 52	5230	8250	Pyritic foliated Nicola meta-siltstone. Foliation 100/75
LL-N-96- 53	5100	8250	Nicola metasediment. Leucocratic banded chert and marbleized limestone. Str. 110/90.
LL-N-96- 55	3060	8585	Bleached vesicular autobreccia basalt. Iron oxide coatings on north striking open fractures.
LL-N-96- 56	3130	8610	Brown weathering - tan columnar jointed flat lying anda-basalt flow. Flow top autobreccia with increasing elevation.
LL-N-96- 57	3200	8620	Kamloops basalt hosting 25 cm wide - 040 striking argillically altered stockwork fracture swarm. Epidote altered wallrock fragments within stockwork zone.
LL-N-96- 58	4205	8250	Brown-tan biotite hornfelsed schistose metasediment. Banding-bedding? 095/88. Shearing 048/80. Increasing bleaching to north and east.
LL-N-96- 59	4110	8220	Intensly silicified rock with 3% evenly disseminated crystalline pyrite throughout. Fractures are more highly pyritic.
LL-N-96- 60	4110	8210	Soft weathered highly fissile pyritic sericite schist. Acid sulphate weathering of intensly altered Nicola metasediment.
LL-N-96- 61	4103	8215	Carbonate altered schist with random highly pyritic fractures.
LL-N-96- 62	3520	8600	Basaltic flowtop autobreccia. Rock is weakly argillically altered with iron oxide and manganese coatings common.
LL-N-96- 64	3350	8170	Red altered rhyolite breccia
LL-N-96- 65	3350	8160	Soil sample below altered and veined rock samples.
LL-N-96- 66	3350	8175	Glassy rhyolite contact with red hornfelsed basalt.
LL-N-96- 67	3350	8165	Fault 250/80 with chalcedonic quartz veining in red hornfelsed and silicified basalt.
LL-N-96- 68	3500	8100	Dark brown mafic crystal tuff.
LL-N-96- 69	4150	8243	Very pale intensly bleached sericite-muscovite schist. Mica comprise a high percentage of this rock.
LL-N-96- 70	4230	8265	Medium grained phaneritic pyroxenite.
LL-N-96- 71	4230	8300	Highly pyritic siliceous schistose cherty marble. Carbonate recrystalized and migrated into marble 'veins'.
LL-N-96- 72	4210	8360	Medium grained phaneritic pyroxenite. Pyritic selvages with siliceous sericite schist.
LL-N-96- 73	4210	8375	Boudined pyroxenite pods and siliceous pods in sericite schist. Str. 070/65. Very strong clay alteration near pods. Pods forming channels for hydrothermal fluid flow.
LL-N-96- 75	4205	8378	Rusty tan weathering highly altered felsic feldspar porphyry dyke.
LL-N-96- 78	4100	8385	North striking quartz vein at south contact of sericite shear zone.
	4005	9175	Very pale intensely bleached sericite-muscovite schist. Mica comprise a high percentage of this rock.
REF 1	NE	NAP	Granodiorite host rock. (080/85) structure hosting ankeritic stockwork veining. Some rusty weathering.
REF 2	NE	NAP	Limonitic Grit and gouge in 040/70 structural zone with weak argillic altered wallrock.
REF 3	NE	NAP	Ankerite veining in 360 structures with epidote and pink potassic selvages.

APPENDIX II - ANALYTICAL RESULTS

ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

Eco·Tech LABORATORIES LTD.

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4 Phone (604) 573-5700
Fax (604) 573-4557

WHOLE ROCK CERTIFICATE OF ANALYSIS AK96-1103

LEO LINDINGER
879 MCQUEEN DRIVE
KAMLOOPS
V2B 7X8

18-Sep-96

ATTENTION: L. LINDINGER

No. of samples received:12
Sample type:ROCK
PROJECT #: NAP 96
SHIPMENT #:001
Samples submitted by: L.LINDINGER

Values expressed in percent

ET #.	Tag #	BaO	P205	SiO2	MnO	Fe203	MgO	Al203	CaO	TiO2	Na2O	K20	L.O.I.
12	LL-N-96-026	0.08	0.28	48.82	0.21	11.30	8.71	13.06	11.50	0.92	1.26	0.48	3.38

QC/DATA:

Repeat #:													
12	LL-N-96-026	0.06	0.30	48.72	0.21	11.27	8.62	13.04	11.66	0.90	1.26	0.52	3.44
Standard:													
MRG1		0.01	0.09	39.03	0.16	17.72	13.24	8.45	14.64	3.53	0.73	0.01	2.40
SY2		0.02	0.39	59.92	0.31	6.07	2.67	12.04	7.85	0.12	4.35	4.41	1.84

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

df/wr1055
S/96Kmisc#8

Eco-Tech LABORATORIES LTD.

ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4 Phone (604) 573-5700
Fax (604) 573-4557

CERTIFICATE OF ANALYSIS AK 96-1103

LEO LINDINGER
879 MCQUEEN DRIVE
KAMLOOPS
V2B 7X8

23-Sep-96

ATTENTION: L. LINDINGER

No. of samples received:12
Sample type:ROCK
PROJECT #: NAP 96
SHIPMENT #:001
Samples submitted by: L.LINDINGER

ET #.	Tag #	Au (ppb)	Pt (ppb)	Pd (ppb)
1	LL-N-96- 001	5	-	-
2	LL-N-96- 002	5	-	-
3	LL-N-96- 003	105	-	-
4	LL-N-96- 009	5	-	-
5	LL-N-96- 015	55	-	-
6	LL-N-96- 018	5	-	-
7	LL-N-96- 020	5	-	-
8	LL-N-96- 022	5	-	-
9	LL-N-96- 023	5	-	-
10	LL-N-96- 024	15	-	-
11	LL-N-96- 025	5	-	-
12	LL-N-96- 026	5	<5	<5
QC DATA:				
Resplit:				
4	LL-N-96- 009	5	-	-
Repeat:				
1	LL-N-96- 001	5	-	-
10	LL-N-96- 024	10	-	-
Standard:				
GEO'96		150	-	-
SUI-a		-	400	400

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

xls/kmisc#8

25-Sep-96

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

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

ICP CERTIFICATE OF ANALYSIS AK 96-1103

LEO LINDINGER
879 MCQUEEN DRIVE
KAMLOOPS
V2B 7X8

ATTENTION: L. LINDINGER

No. of samples received:12
Sample type:ROCK
PROJECT #: NAP 96
SHIPMENT #:001
Samples submitted by: L.LINDINGER

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	LL-N-96- 001	5	<0.2	0.76	<5	20	<5	1.04	<1	14	26	223	2.46	<10	0.31	194	1	0.03	5	1480	10	<5	<20	24	0.10	<10	46	<10	<1	26
2	LL-N-96- 002	5	<0.2	0.80	5	25	5	0.81	<1	17	23	43	2.88	<10	0.29	135	<1	0.06	3	1520	12	<5	<20	32	0.10	<10	60	<10	<1	11
3	LL-N-96- 003	105	0.8	0.35	5	15	<5	>10	4	19	33	128	2.30	<10	0.16	2579	4	0.01	6	460	26	<5	<20	80	0.04	<10	19	<10	<1	443
4	LL-N-96- 009	5	<0.2	0.67	<5	10	<5	1.71	<1	25	56	222	2.21	<10	0.19	329	<1	0.03	8	1500	6	<5	<20	30	0.10	<10	25	<10	<1	27
5	LL-N-96- 015	55	<0.2	0.04	<5	<5	<5	2.34	<1	1	124	8	0.27	<10	0.03	183	2	<0.01	1	70	<2	<5	<20	15	<0.01	<10	2	<10	<1	4
6	LL-N-96- 018	5	<0.2	0.30	<5	50	<5	0.74	<1	9	89	42	1.24	20	0.10	305	1	0.05	15	1520	2	<5	<20	28	0.03	<10	63	<10	5	42
7	LL-N-96- 020	5	<0.2	1.31	<5	165	<5	0.99	<1	19	60	32	2.79	<10	0.90	541	<1	0.02	16	1270	10	<5	<20	68	0.09	<10	68	<10	4	51
8	LL-N-96- 022	5	<0.2	0.62	<5	30	<5	1.11	<1	6	29	37	2.08	<10	0.37	276	1	0.06	1	2060	4	<5	<20	39	0.10	<10	75	<10	2	17
9	LL-N-96- 023	5	<0.2	0.50	<5	10	<5	1.49	<1	8	35	64	1.23	<10	0.15	289	<1	0.02	2	1610	4	<5	<20	35	0.10	<10	40	<10	<1	15
10	LL-N-96- 024	15	<0.2	1.58	<5	40	5	0.49	<1	7	45	42	3.55	<10	1.59	785	2	0.04	3	1410	14	<5	<20	39	0.09	<10	116	<10	<1	47
11	LL-N-96- 025	5	<0.2	3.59	<5	25	<5	2.87	<1	16	51	76	3.57	<10	0.88	295	2	0.34	7	1100	26	<5	<20	199	0.06	<10	92	<10	<1	36
12	LL-N-96- 026		<0.2	1.68	<5	25	<5	1.66	<1	23	72	53	2.99	<10	1.60	561	<1	0.04	23	1350	10	<5	<20	43	0.11	<10	100	<10	<1	38
QC DATA:																														
Resplit:																														
4	LL-N-96- 009	5	<0.2	0.84	<5	10	<5	1.45	<1	25	53	214	2.35	<10	0.33	300	3	0.04	10	1540	8	<5	<20	34	0.10	<10	32	<10	<1	19
Repeat:																														
1	LL-N-96- 001	5	<0.2	0.81	<5	20	<5	1.17	<1	14	28	228	2.59	<10	0.32	211	<1	0.04	5	1670	12	<5	<20	28	0.11	<10	51	<10	<1	27
10	LL-N-96- 024	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard:																														
GEO'96		150	0.8	1.80	55	160	5	1.80	<1	19	61	79	3.98	<10	0.92	700	<1	0.03	18	710	22	<5	<20	58	0.11	<10	78	<10	2	73

df/5332
XLS/96kmisc#8

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

1-Oct-96

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

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

ICP CERTIFICATE OF ANALYSIS AK 96-1104

LEO LINDINGER
879 MCQUEEN DRIVE
KAMLOOPS
V2B 7X8

ATTENTION: L. LINDINGER

No. of samples received:30
Sample type:soil
PROJECT #: NAP 96
SHIPMENT #:001
Samples submitted by: L.LINDINGER

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	83+00E 43+00 N	<5	<0.2	4.07	<5	190	<5	0.86	2	21	23	112	6.34	10	1.48	1200	<1	0.10	14	1090	20	<5	<20	228	0.17	<10	169	<10	<1	186
2	83+00E 43+50 N	<5	<0.2	3.12	<5	125	<5	0.49	1	15	13	132	6.63	<10	1.38	835	4	0.22	15	1640	4	<5	<20	284	0.12	<10	136	<10	4	122
3	83+00E 44+00 N	<5	<0.2	3.50	<5	230	<5	0.79	<1	12	32	62	4.27	10	0.85	679	<1	0.08	19	1090	<2	<5	<20	105	0.15	<10	95	<10	2	87
4	83+00E 44+50 N	<5	<0.2	2.16	<5	190	<5	1.28	<1	16	51	58	3.85	10	0.86	841	<1	0.04	34	1520	<2	<5	<20	90	0.16	<10	87	<10	4	69
5	83+00E 45+00 N	<5	<0.2	2.89	<5	180	<5	0.96	<1	22	35	128	4.89	10	0.96	1049	<1	0.04	23	1300	<2	<5	<20	63	0.17	<10	131	<10	<1	85
6	83+00E 46+00 N	<5	<0.2	1.84	<5	80	<5	1.10	<1	12	33	40	3.05	<10	0.85	631	<1	0.15	18	860	<2	<5	<20	108	0.13	<10	71	<10	2	47
7	83+00E 46+50 N	<5	<0.2	1.39	<5	95	<5	0.63	<1	2	4	30	1.26	10	0.36	326	<1	0.03	2	280	<2	<5	<20	76	0.04	<10	21	<10	3	27
8	84+00E 43+00 N	<5	<0.2	4.67	5	165	<5	0.27	<1	18	15	146	6.33	10	1.33	675	1	0.09	15	2820	<2	<5	<20	242	0.11	<10	156	<10	<1	202
9	84+00E 43+50 N	5	0.2	3.89	<5	165	<5	0.44	2	31	9	198	6.39	10	1.13	1134	3	0.15	12	1930	8	<5	<20	339	0.08	<10	123	<10	<1	214
10	84+00E 44+00 N	<5	<0.2	2.18	<5	145	<5	0.97	2	9	11	127	5.03	<10	0.97	753	1	0.13	8	2230	2	<5	<20	275	0.07	<10	92	<10	<1	144
11	84+00E 44+50 N	10	<0.2	1.77	<5	85	<5	0.89	<1	13	40	49	3.30	<10	1.08	614	<1	0.27	23	1360	<2	<5	<20	108	0.14	<10	81	<10	2	52
12	84+00E 45+00 N	<5	<0.2	2.39	<5	150	<5	0.69	<1	14	45	44	3.68	10	0.79	690	<1	0.08	26	1190	<2	<5	<20	77	0.17	<10	82	<10	3	56
13	84+00E 45+50 N	<5	<0.2	3.26	<5	140	<5	0.83	1	18	14	187	5.84	10	0.99	992	<1	0.08	12	1430	<2	<5	<20	64	0.13	<10	172	<10	<1	69
14	84+00E 46+00 N	<5	<0.2	3.49	25	235	<5	1.21	<1	16	23	115	4.21	20	0.72	1072	<1	0.05	16	1490	<2	<5	<20	83	0.13	<10	93	<10	3	98
15	84+00E 46+50 N	5	<0.2	3.77	<5	245	<5	0.97	<1	12	33	56	4.01	20	0.77	734	<1	0.06	20	1230	2	<5	<20	89	0.15	<10	87	<10	6	90
16	84+00E 47+00 N	<5	<0.2	2.55	<5	145	<5	0.78	<1	13	40	56	3.58	10	0.91	615	<1	0.05	24	1070	<2	<5	<20	79	0.13	<10	100	<10	2	52
17	84+00E 47+50 N	<5	<0.2	3.10	<5	145	<5	1.79	<1	19	31	140	4.84	<10	1.38	780	<1	0.06	16	3200	<2	<5	<20	76	0.13	<10	154	<10	<1	70
18	84+00E 48+00 N	<5	<0.2	3.48	<5	125	<5	1.24	1	14	18	211	4.19	<10	1.34	636	<1	0.10	10	1280	<2	<5	<20	87	0.12	<10	190	<10	<1	51
19	84+00E 48+50 N	<5	<0.2	1.79	<5	130	<5	0.44	<1	5	9	23	1.80	10	0.38	214	<1	0.05	4	490	<2	<5	<20	69	0.11	<10	37	<10	4	35
20	84+00E 49+00 N	5	<0.2	2.33	<5	95	<5	0.44	<1	5	8	24	2.06	10	0.29	276	<1	0.06	5	720	<2	<5	<20	86	0.09	<10	38	<10	4	43
21	84+00E 49+50 N	<5	<0.2	2.34	<5	145	<5	0.55	<1	5	8	23	2.72	20	0.25	445	<1	0.02	4	1170	<2	<5	<20	54	0.06	<10	38	<10	4	51
22	84+00E 50+00 N	<5	<0.2	1.56	<5	100	<5	1.71	<1	13	46	34	3.11	<10	0.83	597	<1	0.18	22	1080	<2	<5	<20	132	0.16	<10	75	<10	2	46
23	85+00E 43+00 N	10	<0.2	5.29	<5	190	<5	0.63	3	65	23	153	6.44	<10	2.11	2076	<1	0.12	26	1580	2	<5	<20	286	0.14	<10	222	<10	13	264
24	85+00E 43+50 N	10	<0.2	3.52	<5	290	<5	0.97	1	22	22	569	5.74	<10	1.24	999	<1	0.08	14	1730	<2	<5	<20	202	0.14	<10	146	<10	2	118
25	85+00E 44+00 N	<5	<0.2	3.68	<5	290	<5	0.97	<1	13	27	109	4.75	10	1.06	746	<1	0.08	19	1670	2	<5	<20	149	0.15	<10	114	<10	3	91

LEO LINDINGER

ICP CERTIFICATE OF ANALYSIS AK 96-1104

ECO-TECH LABORATORIES LTD.

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
26	85+00E 44+50 N	<5	<0.2	3.15	<5	235	<5	0.78	<1	14	39	71	4.60	10	0.98	607	<1	0.06	26	1150	6	<5	<20	99	0.17	<10	106	<10	4	90
27	85+00E 45+00 N	<5	<0.2	1.78	<5	120	<5	0.86	<1	13	45	43	3.38	10	0.66	591	<1	0.06	27	1330	<2	<5	<20	101	0.15	<10	83	<10	2	44
28	85+00E 45+50 N	5	<0.2	2.47	<5	160	<5	0.88	<1	13	42	48	3.80	10	0.74	697	<1	0.05	22	1420	<2	<5	<20	93	0.16	<10	84	<10	3	65
29	85+00E 46+00 N	<5	<0.2	2.28	<5	150	<5	0.90	1	13	44	47	3.65	10	0.71	655	<1	0.04	27	1590	<2	<5	<20	86	0.15	<10	83	<10	3	55
30	LL-N-96 020	<5	<0.2	3.52	<5	935	<5	1.41	1	90	36	140	>10	20	1.43	2054	8	0.05	63	1170	<2	<5	<20	555	0.09	<10	160	<10	<1	114

QC DATA:

Repeat:

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	83+00E 43+00 N	10	<0.2	4.03	<5	190	<5	0.84	2	20	23	111	6.24	<10	1.46	1173	<1	0.11	13	1050	18	<5	<20	230	0.17	<10	167	<10	<1	191
10	84+00E 44+00 N	<5	<0.2	2.45	<5	150	<5	0.94	1	8	11	149	5.05	10	1.10	737	1	0.16	8	2340	<2	<5	<20	343	0.07	<10	94	<10	<1	139
19	84+00E 48+50 N	<5	<0.2	1.81	<5	125	<5	0.43	<1	5	9	23	1.81	10	0.38	210	<1	0.05	3	500	<2	<5	<20	69	0.11	<10	38	<10	4	35
21	84+00E 49+50 N	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	85+00E 45+50 N	<5	<0.2	2.41	<5	155	<5	0.84	<1	13	40	47	3.69	10	0.72	683	<1	0.05	23	1370	<2	<5	<20	94	0.15	<10	81	<10	3	62
30	LL-N-96 020	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Standard:

	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
GEO'96	140	1.6	1.98	65	155	<5	2.06	<1	21	72	84	4.18	<10	1.14	740	<1	0.03	25	750	18	<5	<20	67	0.17	<10	85	<10	<1	71
GEO'96	145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

df/5295
XLS/96Kmisc#8

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

4-Nov-96

ECO-TECH LABORATORIES LTD.
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V2C 6T4

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ICP CERTIFICATE OF ANALYSIS AK 96-1271

LEO LINDINGER
879 MCQUEEN DRIVE
KAMLOOPS, BC
V2B 7X8

ATTENTION: LEO LINDINGER

No. of samples received:1
Sample type:SOIL
PROJECT #: NAPIER
SHIPMENT #:2
Samples submitted by: LEO LINDINGER

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	LL-N-96-65	10	<0.2	1.87	<5	300	<5	0.55	<1	16	53	66	6.62	20	0.62	614	13	0.05	27	1730	8	<5	<20	147	0.08	<10	105	<10	6	61
QC DATA:																														
Repeat:																														
1	LL-N-96-65	-	<0.2	1.89	<5	315	10	0.56	<1	17	54	67	6.78	20	0.63	633	14	0.05	29	1790	10	<5	<20	147	0.08	<10	107	<10	6	63
Standard:																														
GEO'96		150	1.0	1.67	65	160	<5	1.87	<1	20	66	74	3.89	<10	1.04	661	1	0.01	23	610	18	10	<20	57	0.11	<10	73	<10	10	70

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

df/1265
XLS/96KMISC#11

4-Nov-96

ECO-TECH LABORATORIES LTD.
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V2C 6T4

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ICP CERTIFICATE OF ANALYSIS AK 96-1272

LEO LINDINGER
879 MCQUEEN DRIVE
KAMLOOPS, BC
V2B 7X8

ATTENTION: LEO LINDINGER

No. of samples received:16
Sample type:ROCK
PROJECT #: NAPIER
SHIPMENT #:2
Samples submitted by: LEO LINDINGER

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	LL-N-96-31	5	<0.2	1.27	<5	35	<5	3.26	1	13	45	176	3.91	<10	1.00	894	4	0.02	5	870	12	10	<20	33	0.03	<10	140	<10	6	81
2	LL-N-96-32	20	0.2	0.20	10	<5	<5	>10	<1	3	96	25	1.27	<10	0.13	1477	5	<0.01	2	180	<2	5	<20	208	<0.01	<10	12	<10	8	12
3	LL-N-96-37	10	0.4	0.54	15	45	<5	3.05	<1	25	51	254	3.20	<10	0.39	589	4	0.03	7	750	4	<5	<20	47	0.05	<10	41	<10	<1	27
4	LL-N-96-38	5	<0.2	1.14	<5	45	<5	1.29	<1	14	55	107	2.44	<10	0.50	257	<1	0.07	5	1190	4	5	<20	65	0.16	<10	78	<10	6	16
5	LL-N-96-40	5	<0.2	1.26	<5	20	<5	1.46	<1	12	48	117	2.92	<10	0.39	188	1	0.11	4	1370	4	<5	<20	71	0.14	<10	64	<10	3	13
6	LL-N-96-41	5	<0.2	1.62	<5	20	<5	1.69	<1	22	50	190	3.29	<10	0.39	188	2	0.15	9	1380	4	<5	<20	92	0.13	<10	64	<10	3	16
7	LL-N-96-45	5	<0.2	0.49	<5	75	<5	4.35	<1	2	29	15	0.81	<10	0.16	406	2	0.01	1	290	6	<5	<20	58	0.02	<10	11	<10	10	9
8	LL-N-96-46	5	<0.2	0.65	<5	160	<5	2.84	<1	3	15	16	1.25	<10	0.26	1187	1	0.02	2	320	8	10	<20	60	0.04	<10	15	<10	17	16
9	LL-N-96-62	5	<0.2	1.58	<5	280	10	0.73	<1	15	24	22	2.83	<10	0.56	231	3	0.03	54	820	8	<5	<20	77	0.13	<10	68	<10	15	44
10	LL-N-96-64	10	<0.2	0.96	5	75	10	0.28	1	6	67	45	8.34	<10	0.16	46	127	0.20	7	1310	6	<5	<20	232	0.04	<10	72	<10	<1	14
11	LL-N-96-70	5	<0.2	1.25	<5	35	<5	1.66	<1	35	64	125	3.16	<10	1.13	323	2	0.06	44	1100	4	15	<20	33	0.13	<10	64	<10	7	25
12	LL-N-96-75	10	<0.2	1.32	<5	40	15	1.43	<1	22	38	60	5.93	<10	1.06	306	2	0.12	5	920	8	<5	<20	58	0.20	10	122	<10	<1	10
13	REF 1	5	0.2	1.03	<5	150	<5	0.72	<1	14	51	22	4.54	20	0.57	1579	6	0.02	7	950	4	<5	<20	20	0.03	<10	58	<10	25	85
14	REF 2	5	0.6	0.50	<5	145	<5	>10	<1	16	20	2	5.11	20	0.46	3344	5	<0.01	6	280	<2	<5	<20	118	<0.01	<10	20	<10	50	64
15	REF 4	5	<0.2	1.32	<5	30	10	1.21	<1	11	55	12	2.90	<10	1.21	819	3	0.02	5	990	4	10	<20	27	0.05	<10	41	<10	3	61
16	91+75 E, 40+05N	5	0.4	0.85	<5	20	<5	0.21	<1	<1	54	5	0.49	<10	0.77	153	2	0.04	<1	70	6	10	<20	12	<0.01	<10	17	<10	<1	37

11-Dec-96

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
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V2C 6T4

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ICP CERTIFICATE OF ANALYSIS AK 96-1363

LEO LINDINGER
879 MCQUEEN DRIVE
KAMLOOPS, BC
V2B 7X8

ATTENTION: LEO LINDINGER

No. of samples received: 43
Sample type: Rock
PROJECT #: 012 NAP
SHIPMENT #: 4
Samples submitted by: LEO LINDINGER

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	F - 34458	5	<0.2	2.58	<5	135	<5	3.95	1	12	25	82	3.74	<10	1.76	1541	2	0.12	5	890	30	15	<20	73	0.07	<10	110	<10	6	158
2	F - 34459	5	<0.2	2.95	<5	225	5	2.50	<1	13	53	66	3.49	<10	1.75	1487	<1	0.17	4	1010	22	15	<20	88	0.16	<10	145	<10	10	139
3	F - 34460	5	<0.2	2.98	<5	90	<5	3.05	<1	13	34	84	3.28	<10	1.37	1464	<1	0.20	6	970	26	5	<20	86	0.10	<10	112	<10	8	103
4	F - 34461	5	<0.2	3.68	<5	105	10	1.87	<1	14	52	73	3.82	<10	1.79	1092	1	0.24	4	990	32	15	<20	100	0.13	<10	155	<10	4	128
5	F - 34462	5	<0.2	3.33	<5	100	<5	2.69	<1	22	20	165	3.89	<10	1.78	685	<1	0.25	13	2710	20	15	<20	98	0.12	<10	190	<10	7	64
6	F - 34463	35	2.2	3.07	<5	55	<5	4.82	3	23	30	1327	5.26	<10	1.60	2595	33	0.28	13	1420	146	5	<20	71	0.09	<10	172	<10	<1	394
7	F - 34464	5	<0.2	3.09	<5	165	<5	9.63	<1	18	39	132	3.73	<10	1.79	1717	<1	0.23	14	1120	22	15	<20	146	0.16	<10	209	<10	7	71
8	F - 34465	30	0.8	2.64	<5	65	<5	5.43	3	15	44	587	3.85	<10	1.90	2447	9	0.21	12	1330	182	15	<20	113	0.12	<10	199	<10	8	407
9	F - 34466	10	1.4	1.73	<5	80	<5	2.95	2	14	35	610	4.87	<10	1.61	2228	7	0.06	16	1280	280	15	<20	65	0.07	<10	173	<10	11	257
10	F - 34467	10	0.4	0.85	45	50	<5	5.52	4	14	37	1051	6.08	<10	1.26	2467	13	0.04	15	880	14	<5	<20	105	0.06	<10	125	<10	24	396
11	F - 34468	130	2.8	2.41	<5	50	<5	8.23	11	26	23	1835	4.58	<10	1.08	2035	39	0.14	22	980	100	5	<20	83	0.05	<10	120	<10	28	619
12	F - 34469	15	0.4	1.12	30	50	<5	5.52	2	19	43	535	3.32	<10	1.33	1151	8	0.05	10	1030	76	10	<20	32	0.12	<10	168	<10	9	230
13	F - 34470	235	<0.2	3.95	<5	135	<5	2.63	2	26	19	701	5.96	<10	2.72	2653	<1	0.16	6	1420	56	15	<20	67	0.23	<10	263	<10	5	324
14	F - 34471	10	<0.2	2.35	<5	50	<5	1.75	5	21	19	550	3.77	<10	0.50	567	3	0.20	6	1430	22	<5	<20	84	0.08	<10	71	<10	2	159
15	F - 34472	5	<0.2	1.95	<5	35	<5	1.57	<1	19	14	371	3.68	<10	0.68	798	2	0.15	3	1410	20	<5	<20	67	0.11	<10	89	<10	4	91
16	F - 34473	20	<0.2	1.24	<5	35	<5	1.03	<1	18	25	310	3.65	<10	0.66	723	<1	0.08	4	1350	14	5	<20	34	0.14	<10	84	<10	6	116
17	F - 34474	10	<0.2	1.19	<5	50	<5	1.36	<1	22	24	328	3.93	<10	0.67	541	1	0.07	5	1290	16	<5	<20	33	0.15	<10	85	<10	4	72
18	F - 34475	5	<0.2	1.08	<5	40	<5	0.85	<1	12	23	195	3.69	<10	0.61	454	<1	0.07	3	1290	12	<5	<20	36	0.16	<10	87	<10	5	60
19	F - 34476	20	<0.2	1.94	<5	60	<5	1.39	<1	17	27	303	3.72	<10	0.84	693	2	0.14	7	1290	18	<5	<20	51	0.12	<10	86	<10	3	113
20	F - 34477	25	<0.2	1.84	<5	35	<5	1.73	<1	18	28	401	3.74	<10	0.80	712	3	0.13	8	1300	22	10	<20	51	0.11	<10	88	<10	2	98

LEO LINDINGER

ICP CERTIFICATE OF ANALYSIS AK 96-1363

ECO-TECH LABORATORIES LTD.

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
21	F - 34478	5	<0.2	1.87	<5	70	<5	1.55	2	15	17	133	4.32	<10	1.23	1124	4	0.08	5	1050	38	20	<20	34	0.07	<10	112	<10	10	265
22	F - 34479	5	<0.2	1.25	155	50	<5	5.35	3	21	4	215	5.11	<10	1.10	1727	4	0.03	5	1240	26	15	<20	35	0.02	<10	101	<10	5	489
23	F - 34480	10	<0.2	1.41	35	35	<5	1.23	<1	20	7	161	4.04	<10	1.01	829	<1	0.06	4	1530	18	5	<20	23	0.11	<10	115	<10	4	163
24	F - 34481	15	<0.2	1.90	10	30	<5	1.51	1	21	14	228	4.13	<10	1.19	1106	4	0.08	6	1550	24	<5	<20	23	0.08	<10	120	<10	3	219
25	128662	25	<0.2	1.95	5	40	<5	1.34	<1	20	10	344	4.50	<10	1.13	1064	4	0.09	6	1480	26	10	<20	28	0.08	<10	115	<10	2	210
26	128663	5	<0.2	1.14	<5	30	<5	1.98	<1	13	41	130	2.82	<10	0.61	663	2	0.05	4	1100	18	5	<20	26	0.08	<10	70	<10	5	89
27	128664	15	<0.2	1.46	5	35	<5	4.73	1	22	7	[illegible]	4.54	<10	1.17	1471	3	0.03	7	1280	22	20	<20	30	0.06	<10	110	<10	2	219
28	128665	60	<0.2	1.75	<5	90	<5	1.76	2	21	67	741	5.33	<10	1.76	786	6	0.03	45	1090	24	20	<20	21	0.14	<10	174	<10	8	299
29	128666	25	<0.2	2.03	<5	60	<5	2.51	1	28	86	779	4.55	<10	1.41	858	4	0.06	46	1070	40	15	<20	21	0.11	<10	142	<10	9	288
30	128667	125	<0.2	3.02	<5	95	<5	3.02	2	16	<1	387	6.26	<10	2.01	1440	3	0.12	4	1040	70	25	<20	37	0.20	<10	229	<10	6	336
31	128668	20	<0.2	2.13	45	85	<5	1.74	4	33	10	177	5.64	<10	1.80	1603	3	0.05	12	1360	44	20	<20	13	0.12	<10	195	<10	10	564
32	128669	5	<0.2	2.42	<5	75	<5	3.81	1	15	32	103	4.35	<10	1.47	1531	2	0.13	5	1050	106	10	<20	40	0.11	<10	159	<10	4	263
33	128670	5	<0.2	1.48	<5	70	<5	1.49	<1	11	20	103	4.60	<10	1.32	1014	2	0.05	3	1020	38	15	<20	25	0.09	<10	123	<10	1	138
34	128671	205	<0.2	2.05	<5	50	<5	1.44	1	25	40	573	5.09	<10	0.97	810	3	0.14	6	1310	56	<5	<20	37	0.13	<10	111	<10	3	231
35	128672	650	4.4	1.51	<5	55	<5	1.64	<1	18	32	1650	5.84	<10	1.05	1456	2	0.08	5	1080	96	<5	<20	31	0.15	<10	129	<10	<1	222
36	128673	335	2.8	2.46	<5	70	<5	2.42	2	28	27	1561	7.01	<10	1.24	1597	5	0.07	8	1150	1014	5	<20	44	0.13	<10	123	<10	1	605
37	128674	430	4.2	3.96	<5	75	<5	4.41	4	26	33	2237	7.49	<10	1.83	2105	7	0.18	10	1140	208	<5	<20	58	0.13	<10	191	<10	<1	729
38	128675	350	2.6	3.05	<5	65	<5	4.54	2	23	49	1189	7.18	<10	1.25	1636	14	0.18	6	1230	190	<5	<20	48	0.12	<10	173	<10	<1	312
39	128676	230	2.2	3.84	5	60	<5	6.28	5	24	41	1175	6.49	<10	1.50	2753	9	0.14	7	1290	170	15	<20	44	0.10	<10	182	<10	<1	865
40	128677	150	1.0	3.01	<5	75	<5	2.87	2	27	44	740	5.08	<10	1.68	2058	13	0.17	8	1230	162	15	<20	44	0.14	<10	188	<10	3	525
41	128678	5	<0.2	2.35	<5	70	<5	3.09	1	18	54	166	4.30	<10	1.48	1547	3	0.13	8	1100	38	20	<20	44	0.12	<10	138	<10	8	153
42	128679	>1000	2.2	2.98	<5	80	<5	4.09	3	19	27	641	7.49	<10	0.90	1429	5	0.11	8	1090	182	5	<20	36	0.16	<10	150	<10	<1	537
43	128680	165	1.0	4.24	<5	55	<5	3.65	<1	18	44	766	5.60	<10	1.10	1019	5	0.09	4	1450	106	<5	<20	35	0.09	<10	150	<10	<1	387

LEO LINDINGER

ICP CERTIFICATE OF ANALYSIS AK 96-1363

ECO-TECH LABORATORIES LTD.

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
QC DATA:																														
Resplit:																														
1	F - 34458	5	<0.2	2.47	5	130	<5	3.91	<1	13	23	90	3.92	<10	1.70	1531	2	0.11	5	970	40	15	<20	68	0.08	<10	106	<10	8	164
36	128673	350	3.2	2.72	<5	70	<5	2.51	3	30	30	1556	7.11	<10	1.36	1630	7	0.08	8	1220	1020	<5	<20	39	0.15	<10	130	<10	<1	636
Repeat:																														
1	F - 34458	5	<0.2	2.74	<5	145	<5	4.16	1	12	27	94	3.94	<10	1.82	1631	2	0.13	4	920	34	10	<20	74	0.07	<10	115	<10	5	170
10	F - 34467	10	0.4	0.84	55	50	<5	5.83	3	15	40	990	6.48	<10	1.21	2572	14	0.04	16	970	18	5	<20	96	0.07	<10	129	<10	26	410
19	F - 34476	15	<0.2	2.03	<5	65	<5	1.44	<1	18	30	301	3.93	<10	0.86	732	2	0.14	7	1380	20	5	<20	50	0.13	<10	90	<10	3	121
36	128673	335	2.8	2.62	<5	75	<5	2.54	3	32	32	1577	7.10	<10	1.28	1748	5	0.08	8	1210	1040	<5	<20	43	0.15	<10	132	<10	<1	610
Standard:																														
GEO'96		140	1.0	1.80	65	155	<5	1.81	<1	20	62	74	4.10	<10	0.98	702	<1	0.01	22	680	22	15	<20	60	0.10	<10	80	<10	10	85
GEO'96		140	0.8	1.75	75	155	10	1.90	<1	20	66	78	3.97	<10	0.96	679	<1	0.01	25	720	24	<5	<20	62	0.10	<10	76	10	8	82

df/1363
XLS/96

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

Eco-Tech LABORATORIES LTD.

ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4 Phone (250) 573-5700
Fax (250) 573-4557

CERTIFICATE OF ASSAY AK 96-1363AA

LEO LINDINGER
879 MCQUEEN DRIVE
KAMLOOPS, BC
V2B 7X8

19-Dec-96

ATTENTION: LEO LINDINGER

No. of samples received: 43
Sample type: Rock
PROJECT #: 012 NAP
SHIPMENT #: 4
Samples submitted by: LEO LINDINGER

ET #.	Tag #	Au (g/t)	Au (oz/t)
42	128679	1.86	0.054

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

XLS/96

Eco-Tech LABORATORIES LTD.

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GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4 Phone (250) 573-5700
Fax (250) 573-4557

CERTIFICATE OF ANALYSIS AK 96-1363A

LEO LINDINGER
879 MCQUEEN DRIVE
KAMLOOPS, BC
V2B 7X8

19-Dec-96

ATTENTION: LEO LINDINGER

No. of samples received: 43
Sample type: Rock
PROJECT #: 012 NAP
SHIPMENT #: 4
Samples submitted by: LEO LINDINGER

ET #.	Tag #	Au (ppb)
41	128678	70

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

XLS/96

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ENVIRONMENTAL TESTING

Eco-Tech LABORATORIES LTD.

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4 Phone (250) 573-5700
Fax (250) 573-4557

CERTIFICATE OF ASSAY AK 96-1363

LEO LINDINGER
879 MCQUEEN DRIVE
KAMLOOPS, BC
V2B 7X8

11-Dec-96

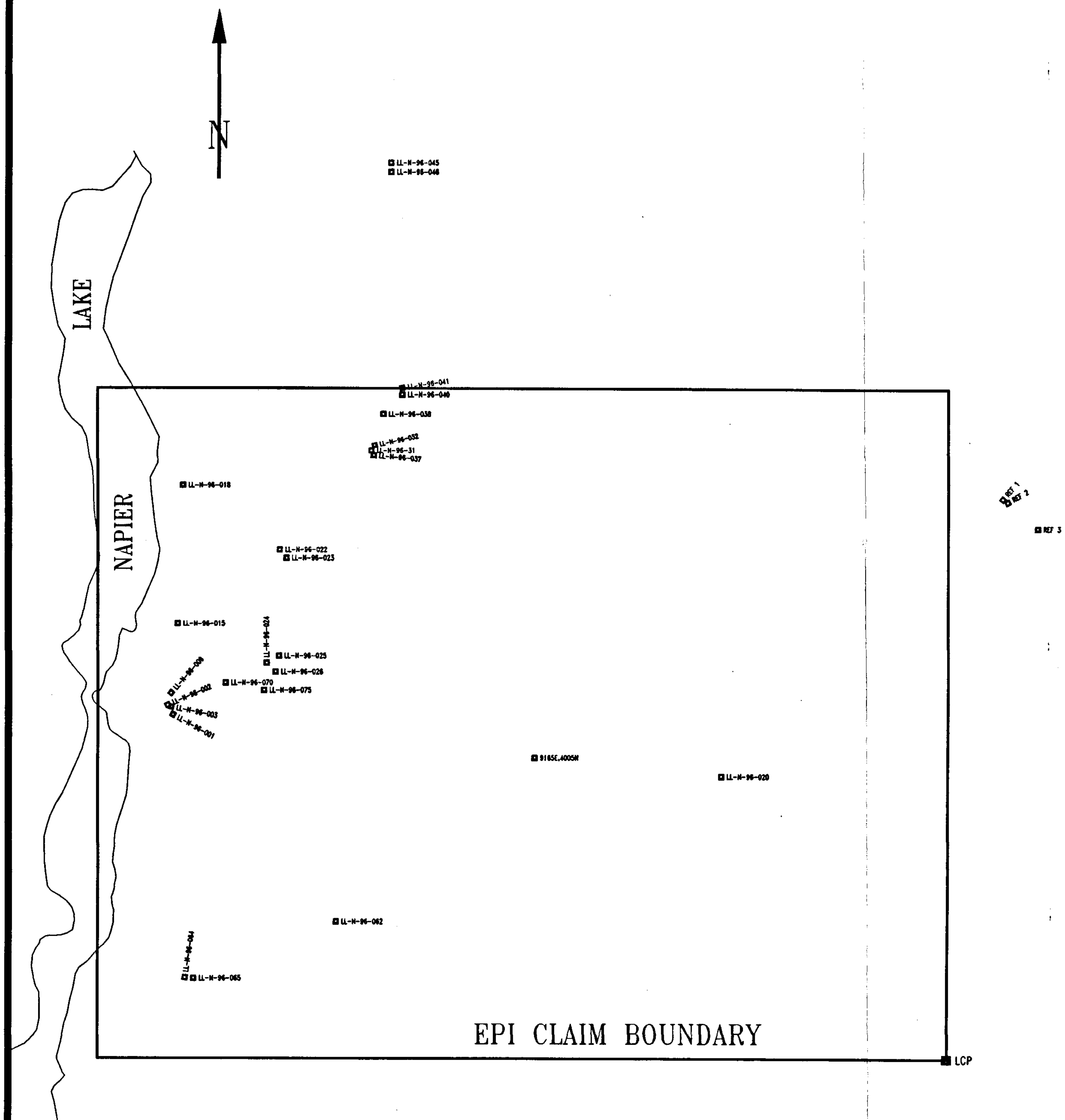
ATTENTION: LEO LINDINGER

No. of samples received: 43
Sample type: Rock
PROJECT #: 012 NAP
SHIPMENT #: 4
Samples submitted by: LEO LINDINGER

ET #.	Tag #	Au (g/t)	Au (oz/t)
42	128679	1.94	0.057

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

XLS/96



Tag #		Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La
LL-N-96-	001	5	<0.2	0.76	<5	20	<5	1.04	<1	14	26	223	2.46	<10
LL-N-96-	002	5	<0.2	0.80	5	25	5	0.81	<1	17	23	43	2.88	<10
LL-N-96-	003	105	0.8	0.35	5	15	<5	>10	4	19	33	128	2.30	<10
LL-N-96-	009	5	<0.2	0.67	<5	10	<5	1.71	<1	25	55	222	2.21	<10
LL-N-96-	015	55	<0.2	0.04	<5	<5	<5	2.34	<1	1	124	8	0.27	<10
LL-N-96-	018	5	<0.2	0.30	<5	60	<5	0.74	<1	9	89	42	1.24	20
LL-N-96-	020	5	<0.2	1.31	<5	165	<5	0.99	<1	19	60	32	2.79	<10
LL-N-96-	022	5	<0.2	0.62	<5	30	<5	1.11	<1	6	29	37	2.08	<10
LL-N-96-	023	5	<0.2	0.50	<5	10	<5	1.49	<1	8	35	64	1.23	<10
LL-N-96-	024	15	<0.2	1.58	<5	40	5	0.49	<1	7	45	42	3.55	<10
LL-N-96-	025	5	<0.2	3.59	<5	25	<5	2.87	<1	16	51	76	3.57	<10
LL-N-96-	026	5	<0.2	1.68	<5	25	<5	1.66	<1	23	72	53	2.99	<10
LL-N-96-	031	5	<0.2	1.27	<5	35	<5	3.26	1	13	45	176	3.91	<10
LL-N-96-	032	20	0.2	0.20	10	<5	<5	>10	<1	3	96	25	1.27	<10
LL-N-96-	037	10	0.4	0.54	15	45	<5	3.05	<1	25	51	254	3.20	<10
LL-N-96-	038	5	<0.2	1.14	<5	45	<5	1.29	<1	14	55	107	2.44	<10
LL-N-96-	040	5	<0.2	1.26	<5	20	<5	1.46	<1	12	48	117	2.92	<10
LL-N-96-	041	5	<0.2	1.62	<5	20	<5	1.69	<1	22	50	190	3.29	<10
LL-N-96-	045	5	<0.2	0.49	<5	75	<5	4.35	<1	2	29	15	0.81	<10
LL-N-96-	046	5	<0.2	0.65	<5	160	<5	2.84	<1	3	15	16	1.25	<10
LL-N-96-	062	5	<0.2	1.58	<5	280	10	0.73	<1	15	24	22	2.83	<10
LL-N-96-	064	10	<0.2	0.96	5	75	10	0.28	1	6	67	45	8.34	<10
LL-N-96-	070	5	<0.2	1.25	<5	35	<5	1.66	<1	35	64	125	3.16	<10
LL-N-96-	075	10	<0.2	1.32	<5	40	15	1.43	<1	22	38	60	5.93	<10
REF 1		5	0.2	1.03	<5	150	<5	0.72	<1	14	51	22	4.54	20
REF 2		5	0.6	0.50	<5	145	<5	>10	<1	16	20	2	5.11	20
REF 4		5	<0.2	1.32	<5	30	10	1.21	<1	11	55	12	2.90	<10
91+75E,40+05N		5	0.4	0.85	<5	20	<5	0.21	<1	<1	54	5	0.49	<10
LL-N-96	020S	<5	<0.2	3.52	<5	935	<5	1.41	1	90	36	140	>10	20
LL-N-96-	065S	10	<0.2	1.87	<5	300	<5	0.55	<1	16	53	66	6.62	20
	S INDICATES SOIL SAMPLE													

Tag #		Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
LL-N-96-	001	0.31	194	1	0.03	5	1480	10	<5	<20	24	0.10	<10	46	<10	<1	26
LL-N-96-	002	0.29	135	<1	0.06	3	1520	12	<5	<20	32	0.10	<10	60	<10	<1	11
LL-N-96-	003	0.16	2579	4	0.01	6	460	26	<5	<20	80	0.04	<10	19	<10	<1	443
LL-N-96-	009	0.19	329	<1	0.03	8	1500	6	<5	<20	30	0.10	<10	25	<10	<1	27
LL-N-96-	015	0.03	183	2	<0.01	1	70	<2	<5	<20	15	<0.01	<10	2	<10	<1	4
LL-N-96-	018	0.10	305	1	0.05	15	1520	2	<5	<20	28	0.03	<10	63	<10	5	42
LL-N-96-	020	0.90	541	<1	0.02	16	1270	10	<5	<20	68	0.09	<10	68	<10	4	51
LL-N-96-	022	0.37	276	1	0.06	1	2060	4	<5	<20	39	0.10	<10	75	<10	2	17
LL-N-96-	023	0.15	289	<1	0.02	2	1610	4	<5	<20	35	0.10	<10	40	<10	<1	15
LL-N-96-	024	1.59	785	2	0.04	3	1410	14	<5	<20	39	0.09	<10	116	<10	<1	47
LL-N-96-	025	0.88	295	2	0.34	7	1100	26	<5	<20	199	0.06	<10	92	<10	<1	36
LL-N-96-	026	1.60	561	<1	0.04	23	1350	10	<5	<20	43	0.11	<10	100	<10	<1	38
LL-N-96-	031	1.00	894	4	0.02	5	870	12	10	<20	33	0.03	<10	140	<10	6	81
LL-N-96-	032	0.13	1477	5	<0.01	2	180	<2	5	<20	208	<0.01	<10	12	<10	8	12
LL-N-96-	037	0.39	589	4	0.03	7	750	4	<5	<20	47	0.05	<10	41	<10	<1	27
LL-N-96-	038	0.50	257	<1	0.07	5	1190	4	5	<20	65	0.16	<10	78	<10	6	16
LL-N-96-	040	0.39	188	1	0.11	4	1370	4	<5	<20	71	0.14	<10	64	<10	3	13
LL-N-96-	041	0.39	188	2	0.15	9	1380	4	<5	<20	92	0.13	<10	64	<10	3	16
LL-N-96-	045	0.16	406	2	0.01	1	290	6	<5	<20	58	0.02	<10	11	<10	10	9
LL-N-96-	046	0.26	1187	1	0.02	2	320	8	10	<20	60	0.04	<10	15	<10	17	16
LL-N-96-	062	0.56	231	3	0.03	54	820	8	<5	<20	77	0.13	<10	68	<10	15	44
LL-N-96-	064	0.16	46	127	0.20	7	1310	6	<5	<20	232	0.04	<10	72	<10	<1	14
LL-N-96-	070	1.13	323	2	0.06	44	1100	4	15	<20	33	0.13	<10	64	<10	7	25
LL-N-96-	075	1.06	306	2	0.12	5	920	8	<5	<20	58	0.20	10	122	<10	<1	10
REF 1		0.57	1579	6	0.02	7	950	4	<5	<20	20	0.03	<10	58	<10	25	85
REF 2		0.46	3344	5	<0.01	6	280	<2	<5	<20	118	<0.01	<10	20	<10	50	64
REF 4		1.21	819	3	0.02	5	990	4	10	<20	27	0.05	<10	41	<10	3	61
91+75E,40+05N		0.77	153	2	0.04	<1	70	6	10	<20	12	<0.01	<10	17	<10	<1	37
LL-N-96	020S	1.43	2054	8	0.05	63	1170	<2	<5	<20	555	0.09	<10	160	<10	<1	114
LL-N-96-	065S	0.62	614	13	0.05	27	1730	8	<5	<20	147	0.08	<10	105	<10	6	61
	S INDICATES SOIL SAMPLE																

1:10000

J.E.L. LINDINGER, P.Geo.

PROVINCE OF BRITISH COLUMBIA J.E.L. LINDINGER GEOSCIENTIST

EPI CLAIM

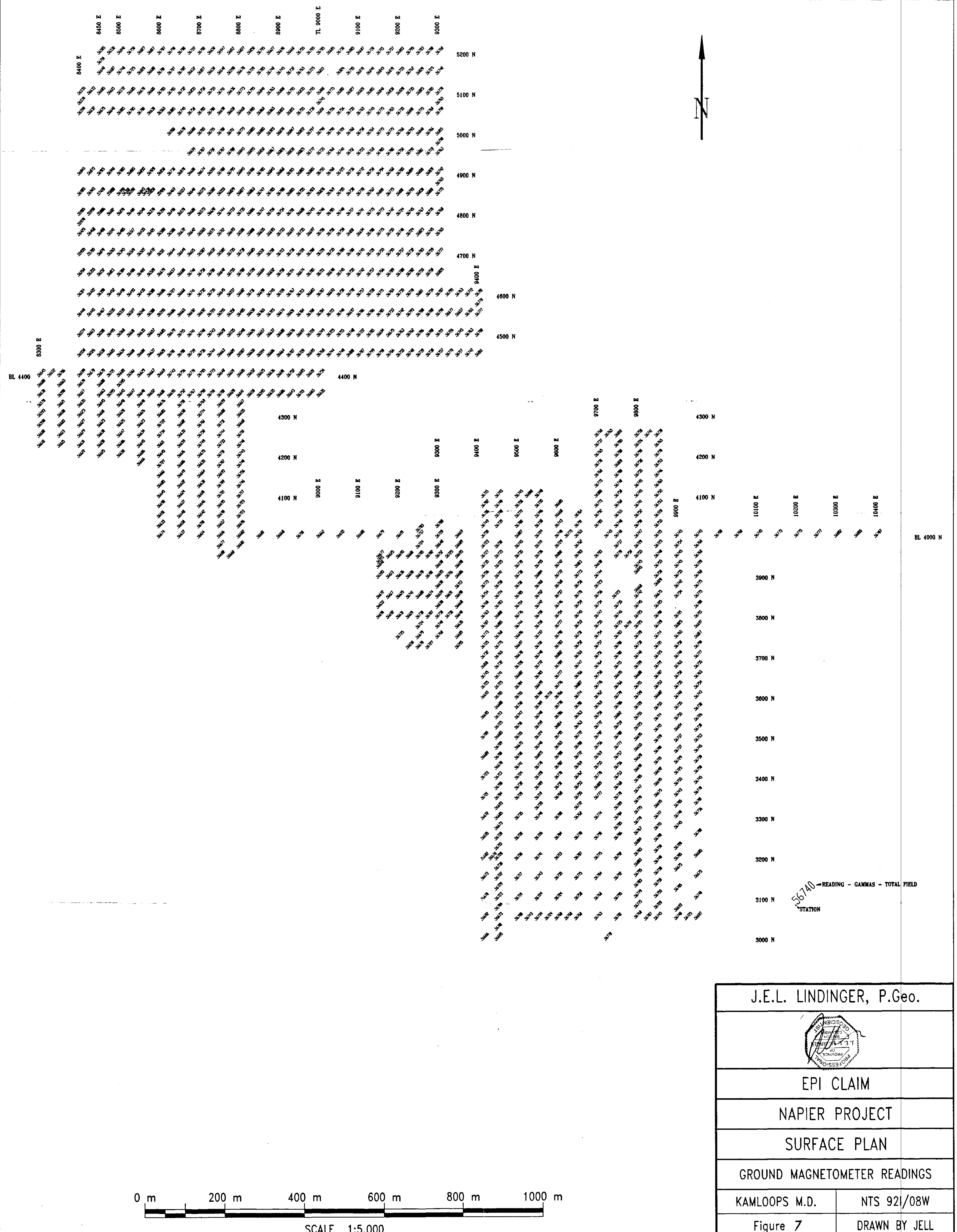
NAPIER PROJECT

SURFACE PLAN

ROCK SAMPLE LOCATIONS AND RESULTS

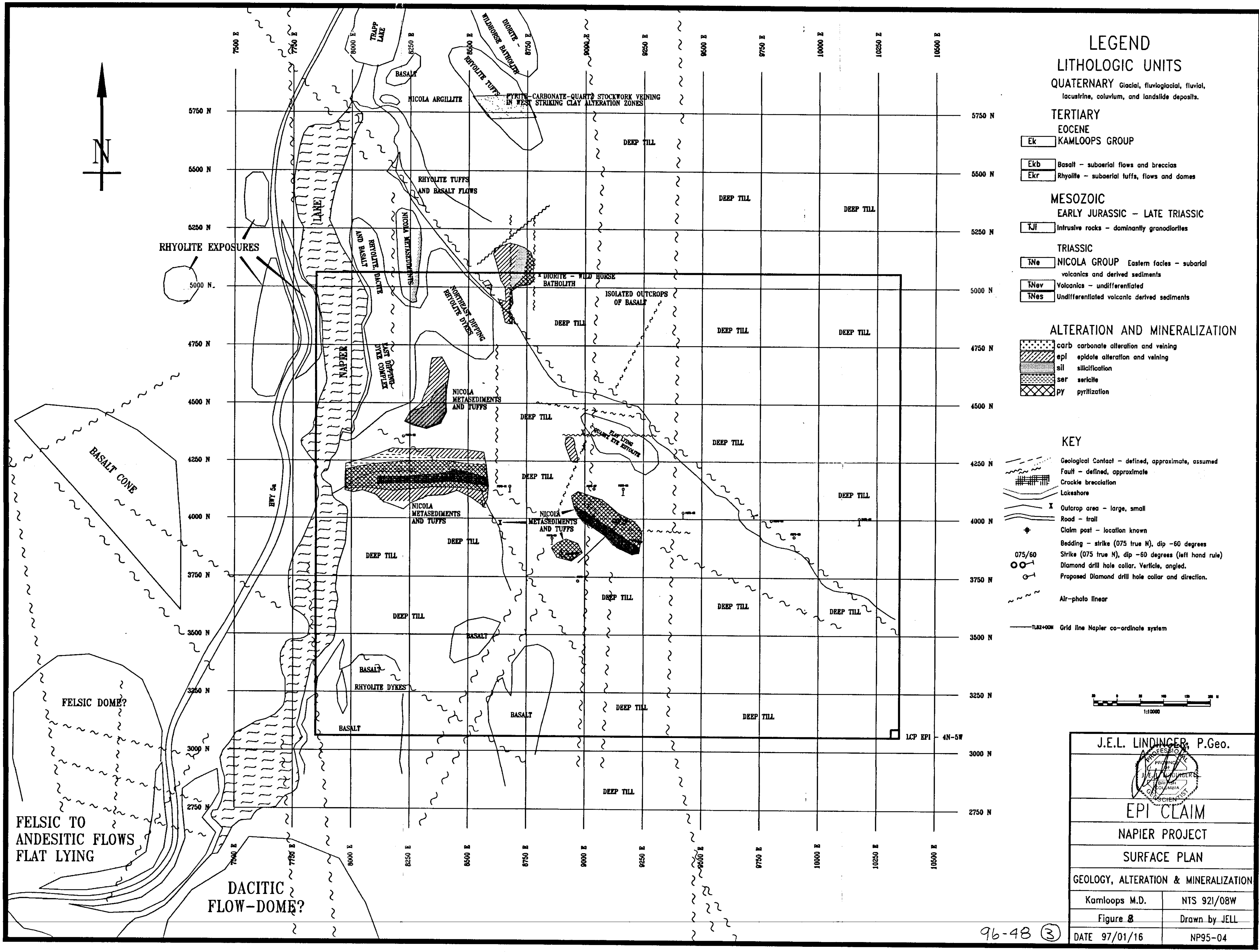
Kamloops M.D.	NTS 92I/08W
Figure 6	Drawn by LJL
DATE 97/01/11	NP95-04

96-48 ①



J.E.L. LINDINGER, P.Geo.	
EPI CLAIM	
NAPIER PROJECT	
SURFACE PLAN	
GROUND MAGNETOMETER READINGS	
KAMLOOPS M.D.	NTS 92I/08W
Figure 7	DRAWN BY JELL
DATE 97/01/15	NP95-04

96-48 ②


LEGEND
LITHOLOGIC UNITS
QUATERNARY Glacial, fluvioglacial, fluvial, lacustrine, coluvium, and landslide deposits.
TERTIARY
EOCENE
Ek KAMLOOPS GROUP
Ekb Basalt – subaerial flows and breccias
Ekr Rhyolite – subaerial tuffs, flows and domes
MESOZOIC
EARLY JURASSIC – LATE TRIASSIC
TJl Intrusive rocks – dominantly granodiorites
TRIASSIC
TNe NICOLA GROUP Eastern facies – subarial volcanics and derived sediments
TNev Volcanics – undifferentiated
TNes Undifferentiated volcanic derived sediments
ALTERATION AND MINERALIZATION
carb carbonate alteration and veining
epi epidote alteration and veining
sil silicification
ser sericite
py pyritization
KEY
Geological Contact – defined, approximate, assumed
Fault – defined, approximate
Crackle brecciation
Lakeshore
Outcrop area – large, small
Road – trail
Claim post – location known
Bedding – strike (075 true N), dip –60 degrees
075/60 Strike (075 true N), dip –60 degrees (left hand rule)
Diamond drill hole collar. Verticle, angled.
Proposed Diamond drill hole collar and direction.
Air-photo linear
Grid line Napier co-ordinate system
1:10000
N
7500 E
7750 E
8000 E
8250 E
8500 E
8750 E
9000 E
9250 E
9500 E
9750 E
10000 E
10250 E
10500 E
5750 N
5500 N
5250 N
5000 N
4750 N
4500 N
4250 N
4000 N
3750 N
3500 N
3250 N
3000 N
2750 N
TRAPP LAKE
BASALT
DIORITE
WILDHORSE BATHOLITH
RHYOLITE TUFFS
NICOLA ARGILLITE
PYRITE-CARBONATE-QUARTZ STOCKWORK VEINING IN WEST STRIKING CLAY ALTERATION ZONES
DEEP TILL
RHYOLITE TUFFS AND BASALT FLOWS
NICOLA METASEDIMENTS
RHYOLITE AND BASALT
RHYOLITE DACITE
RHYOLITE EXPOSURES
LAKE
NAPIER
DIORITE – WILD HORSE BATHOLITH
ISOLATED OUTCROPS OF BASALT
NORTHEAST DIPPING RHYOLITE DYKES
EAST DIPPING DYKE COMPLEX
NICOLA METASEDIMENTS AND TUFFS
BASALT CONE
FLAT LYING QUARTZ EYE RHYOLITE
HWY 5a
RHYOLITE DYKES
FELSIC DOME?
LCP EPI – 4N–5W
FELSIC TO ANDESITIC FLOWS FLAT LYING
DACITIC FLOW-DOME?
J.E.L. LINDINGER, P.Geo.
EPI CLAIM
NAPIER PROJECT
SURFACE PLAN
GEOLOGY, ALTERATION & MINERALIZATION
Kamloops M.D.
NTS 92I/08W
Figure 8
Drawn by JELL
DATE 97/01/16
NP95-04
96-48 (3)