GEOLOGY AND TRENCHING
ON THE
LENNAC LAKE PROPERTY
(JAKE 1-9 AND ALEX 1-9 CLAIMS)

OMINECA MINING DIVISION

Mapsheet: 93 L/9 and 16

Location: 54 degrees 45' N 126 degrees 20' W

NTS: 672000 E 6070000 N

Owner: Kennecott Canada Inc.
138-200 Granville St.
Vancouver, BC
V6C 1S4

Operator: Kennecott Canada Inc.
138-200 Granville St.
Vancouver, BC
V6C 1S4

Authors: Hans Smit
Colin Harivel

Date: March 6, 1992

SUMMARY:

The Lennac Lake property is located on the west side of Babine Lake 16 kilometres southwest of the town of Granisle. The property hosts porphyry style mineralization associated with dioritic porphyry dykes which intrude Jurassic Hazelton Group volcanic rocks.

Amax Canada Ltd. explored the central part of the property in the early 1970s. Amax outlined a 3.5 km northwest-southeast by 1.2 km northeast-southwest zone of propylitically altered, pyritic volcanics associated with an en echelon series of northeast trending dykes aligned along a northwest trending zone.

Amax undertook geological mapping, geophysics (Mag/IP), soil geochemistry, trenching, percussion drilling (44 holes) and diamond drilling (5 holes). This work outlined two mineralized zones within the larger propylitic zone.

The West zone contains copper and minor molybdenite mineralization within a dyke and the surrounding volcanic host rock. Mineralization is associated with fracturing, quartz stringers and some potassic alteration. Amax outlined a 300 metre by 300 metre zone of 0.2% copper with lower copper grades surrounding.

The East zone is centered 1.2 kilometres southeast of the West zone. In this zone, copper mineralization occurs within propylitically altered volcanics with carbonate +/- quartz stringers. Grades are generally less than 0.1% copper.

Amax allowed the claims to lapse and the property was restaked by L. Bourgh in 1990 and 1991. In 1991 Kennecott Canada Inc. optioned the Alex 1-9 two-post claims from L. Bourgh and overstaked them with the Jake 1-9 four-post claims.

Exploration by Kennecott in 1991 is detailed in this report. Work included geological mapping, sampling, prospecting, grid refurbishing, limited soil geochemistry and trenching. Exploration was directed towards evaluating the potential for significant gold values associated with copper mineralization on the property. The work plan included evaluating the work done by Amax, searching for new mineralization, and testing previously discovered and new mineralization for gold content.

Work in the West and East zones confirmed the findings by Amax. Work east of the East zone found two new mineralized zones. The Suratt showing contains copper mineralization associated with a zone of silicified volcanics. Results in the 0.2 to 0.3% copper range were obtained from chip samples in this zone. The zone is unlikely to contain significant tonnage.

Molybdenum mineralization associated with quartz stringers was discovered south of the Suratt showing. Up to 1106 ppm Mo was returned from samples in this zone. The size of this zone is unknown, but it may be considerable. Further work is required to better define the extent and grade of mineralization in this area and to the southeast.

Gold results from samples from all zones were low (mostly <50 ppb) except for one sample which assayed 1.84 gm/tonne gold. The high gold content of this sample is probably related to narrow late shears.

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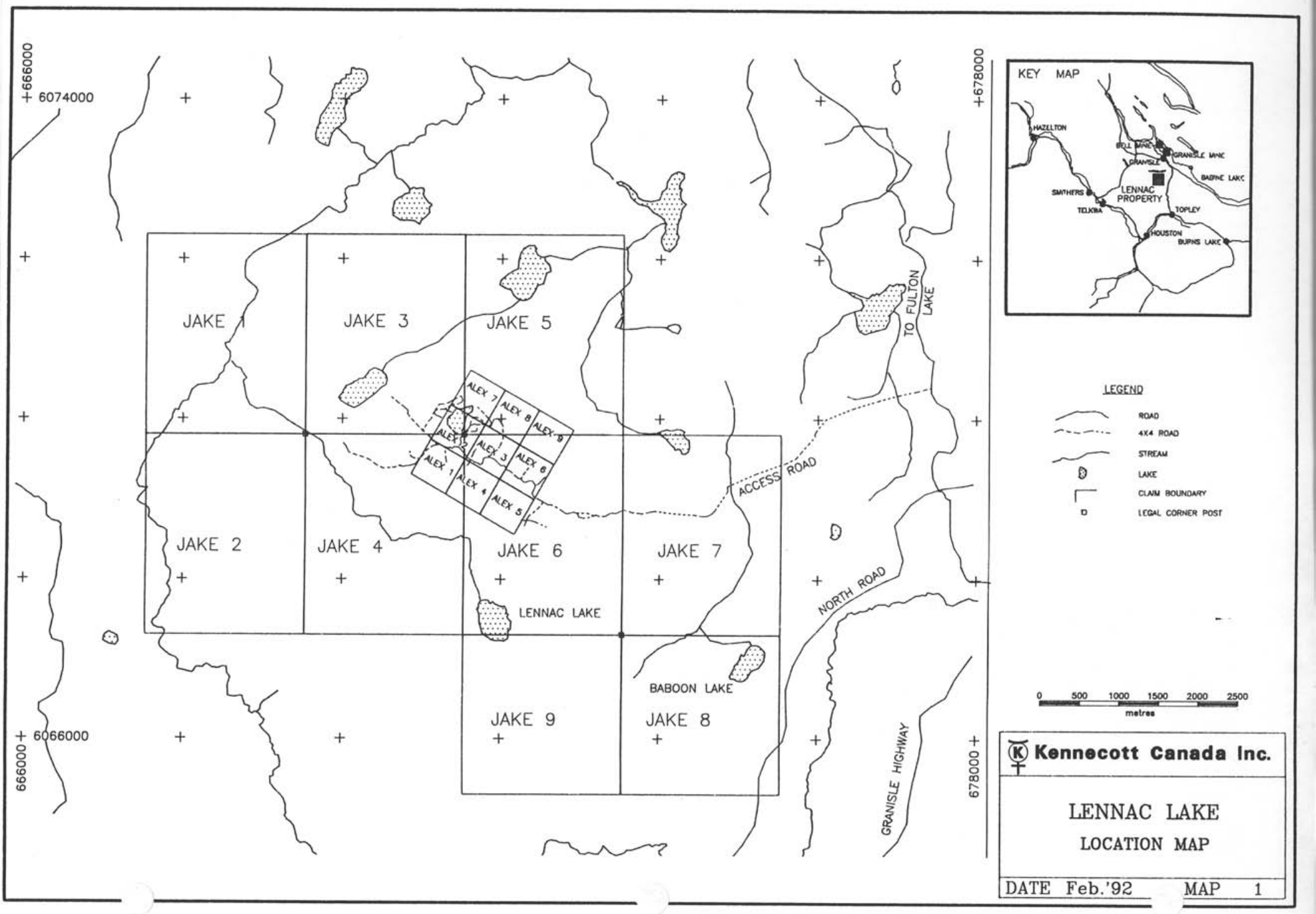


Kennecott Canada Inc.

LENNAC LAKE
LOCATION MAP

DATE Feb.'92 MAP 1

1.0 INTRODUCTION:

1.1 Location and Access

The Lennac Lake property is located on the west side of Babine Lake, 16 kilometres southwest of Granisle, BC and 55 kilometres east of Smithers, BC.

Access to the property is via a secondary forestry road that intersects the highway to Granisle 30 kilometres north of Topley. This road is followed for approximately seven kilometres northward towards Fulton lake. From this point, a four-wheel drive road runs westward through the center of the property for seven kilometres.

1.2 Physiography

The property lies in the relatively flat area west of Babine Lake. Elevations range from 880 metres to 1050 metres. Continental glaciation has resulted in numerous low ridges and morraines with lower regions occupied by swamps and shallow lakes. Outcrop is sparse throughout the property. Overburden varies from a thin layer of glacial till to thick (possibly greater than 50 metres) layers of glacial outwash sands and gravels.

The property is covered by lodgepole pine, spruce, balsam fir and poplar. Thick alder patches occur locally.

1.3 Claim Status

The property is comprised of nine two-post claims (Alex 1-9) and nine four-post claims (Jake 1-9) which completely overlie the two-post claims. The two-post claims were staked by Leonard Bourgh in June of 1991. In July of 1991 Kennecott Canada Inc. staked the Jake 1-9 claims totalling 172 units and in August Kennecott obtained the Alex claims from L. Bourgh.

Some of the Jake claims were subsequently reduced in size.

KENNECOTT CANADA INC.
LENNAC LAKE PROPERTY
CLAIM STATUS

NAME	RECORD #	RECORD DATE	EXPIRY	UNITS (AFTER REDUCTION)
ALEX 1	300613	JUNE 9/91	1992	1
ALEX 2	300614	JUNE 9/91	1992	1
ALEX 3	300615	JUNE 9/91	1992	1
ALEX 4	300616	JUNE 9/91	1992	1
ALEX 5	300617	JUNE 9/91	1992	1
ALEX 6	300618	JUNE 9/91	1992	1
ALEX 7	300619	JUNE 9/91	1992	1
ALEX 8	300620	JUNE 9/91	1992	1
ALEX 9	300621	JUNE 9/91	1992	1
JAKE 1	301611	JULY 10/91	1992	20
JAKE 2	301612	JULY 10/91	1992	20
JAKE 3	301613	JULY 10/91	1994	16
JAKE 4	301614	JULY 10/91	1994	16
JAKE 5	301615	JULY 10/91	1994	16
JAKE 6	301616	JULY 10/91	1994	20
JAKE 7	301617	JULY 11/91	1994	20
JAKE 8	301678	JULY 11/91	1994	12
JAKE 9	301619	JULY 11/91	1992	16

TABLE 1
CLAIM STATUS

1.4 Summary of Work

The 1991 exploration program on the Lennac Lake property included geological mapping, prospecting, trenching, chip sampling, and re-establishing an old grid.

The program was divided into two parts. The first part was carried out from August 15 to 23, 1991. During this time, Colin Harivel mapped part of the property around the main showings, Pat Suratt prospected throughout the central part of the property, and Lynn Bishop re-established an IP grid originally placed in 1972.

The second part of the program was carried out from September 10 to 16, 1991. During this time, trenching was done using a skidder-mounted backhoe by Joe Hidber under the supervision of Colin Harivel. Kaaren Soby assisted Colin.

In total, 30 man-days were spent mapping, prospecting and sampling, 110 rock samples and 44 soil samples were collected and geochemically analysed, 60 metres of trench were dug, and 21.5 metres of grid were re-established (two metres re-cut, the rest flagged). In addition, the access road was brushed out and a few mud holes repaired.

All samples were sent to Min-en Laboratories in Smithers and analysed by 31-element ICP and by AA for gold.

1.5 Property History

The Lennac property is centered on an area explored by Amax Canada Limited in the 1970s. Amax staked the Thezar #1-132 claims north of Lennac Lake in 1971. In the same year, they mapped and prospected the property and carried out soil geochemical and geophysical (Mag/VLF) surveys. Trenching was undertaken in this year with some possible further trenching in 1972.

This work outlined a 3.5 kilometre NW-SE by 1.2 kilometre NE-SW zone of pyritized volcanics associated with porphyritic dykes. Within this pyrite zone, two zones of copper and molybdenum mineralization were found.

The West zone contains copper and lesser molybdenum mineralization within a porphyritic dyke and within surrounding volcanics. Surface sampling returned grades of up to 0.26% copper.

The East zone, 1.2 kilometres southeast of the West zone, contains copper mineralization within propylitically altered volcanics.

In 1972, Amax established a grid totalling 31 line-kilometres of cut-line. An IP survey was carried out over the grid. Results from the survey show a very high P.F.E. response in an arcuate pattern around the West zone with a lower, but still anomalous response, in the center over the known copper mineralized zone. This classic IP response over a mineralized porphyry indicates a potential mineral zone in the order of 600 metres by 900 metres in size. This corresponds well with known mineralization.

The IP response over the East zone was weaker and indistinct.

Amax continued exploring the property with 44 percussion holes totalling 3462 metres in 1973. Thirty-six holes were drilled in and around the West zone. Drilling outlined a central copper zone averaging 0.2% copper on the east side of a porphyry dyke that is 300 metres by 300 metres in area and continues to at least 100 metres depth. The zone is surrounded by a 1% copper zone.

Eight percussion holes were drilled in the East zone. The best copper grades were 0.17% and 0.11% over 90.5 metres and 86.9 metres respectively.

In 1974, Amax drilled five diamond drill holes totalling 919 metres to further test the West zone. Results were similar to those from the percussion holes.

Amax subsequently allowed the property to lapse.

The area in the southeast of the property, around Baboon Lake, was worked as the Jacob property by British Newfoundland Exploration in the 1970s. They carried out an IP survey, geological mapping, and limited drilling.

In 1974, three diamond drill holes were drilled totalling 180 metres. In 1976, 11 percussion holes were drilled totalling 450 metres. The only data available from this work are the diamond drill logs without assays in an assessment report.

No subsequent work has been recorded in the area covered by the present claims. The central part of the property was staked by Leonard Bourgh as the Cu 1-6 four-post claims in 1990, and the subsequent Alex 1-9 claims in 1991. These claims have been overstaked by the Jake 1-9 four-post claims.

2.0 GEOLOGY:

2.1 Regional Geology

The area around the Lennac Lake property is principally underlain by Jurassic Hazelton Group volcanics and lesser sediments. The Hazelton rocks are in fault contact with Triassic Takla Group volcanics and lesser sediments east of the property. To the north, younger Cretaceous Skeena Group sediments overlie the Hazelton rocks. To the south, Tertiary Ootsa Lake Group rhyolites and Endako Group andesites and basalts overlie the Hazelton rocks.

Three ages of intrusives occur in the area. Jurassic Topley Intrusions are quartz monzonite to granodiorite in composition and are the intrusive equivalents to the Hazelton Group volcanics. A large area south of the property is underlain by Topley intrusives.

Late Cretaceous Bulkley Intrusions occur as quartz monzonite to quartz diorite plugs throughout the area.

In the area around Babine Lake, Tertiary Babine Intrusions occur as small plugs and dykes. They range in composition from quartz monzonite to quartz diortie and are characterized by biotite-feldspar porphyries. Extrusive equivalents to these intrusives are found north of Granisle.

Mineralization in the area includes porphyry prospects in all three ages of intrusives, as well as the Granisle and Bell deposits 25 kilometres northeast of Lennac Lake which are associated with Babine intrusives.

The Bell Mine is notable due to the relatively high gold content of the ore (0.01 oz/ton gold with 0.48% copper).

Precious metals are found in shear hosted vein structures in the Hazelton volcanics to the east and south of Lennac Lake. The currently producing Dome Mountain Mine is 20 kilometres west of the property.

2.2 Property Geology

2.2.1 Lithology

The Lennac Lake Property is underlain by Jurassic Hazelton volcanic rocks which have been intruded by a number of diorite porphyry dykes.

Leary and Allen (1971) divided the Hazelton rocks in the area explored in 1991 into three units. Work in 1991 verified this work. The southwestern part of the area is underlain by red-purple volcanics consisting of lapilli tuffs to volcanic breccias. This unit is characterised by angular red, maroon, and green andesitic fragments and grey feldspar grains in a dense, fine grained, purple to green matrix. Green to purple, massive, feldspathic flows or agglomerates with round andesitic bombs up to seven centimetres occur locally.

A northwesterly trending unit of grey-green volcanics outcrops to the east of the red-purple volcanics. It is characterised by massive, grey-green andesitic to dacitic flows, tuffs and breccias with abundant feldspar crystals in a fine grained dense matrix. Flow and volcaniclastic rocks are almost indistinguishable from each other as clasts are of indentical composition to the matrix. Minor red-purple volcanics occur intercalated with this unit.

East of the grey-green volcanics, Leary and Allen (1971) grouped massive green flows, red, green and purple volcaniclastics and minor sediments into an undifferentiated volcanic and minor sedimentary unit as rock exposure is too poor to define individual units. This area was not explored in 1991.

Along the eastern contact of the grey-green volcanic unit mapped by Leary and Allen (1971), a unit was mapped as rhyolite breccia in 1971. Work in 1991 indicates that this unit is a result of bleaching and silicification of Hazelton Group andesitic volcanics instead.

The dykes are comprised of medium to coarse grained euhedral to subhedral phenocrysts of plagioclase (25%), quartz (5 to 10%), biotite books (3 to 8%) and hornblende (1 to 5%) in an aphanitic light to dark grey groundmass (Leary and Allen, 1971). In hand sample they look identical to the Babine intrusive biotite-feldspar porphyries (BFP) which host copper mineralization at the Bell and Granisle deposits. One age date from the Lennac West zone gave a date of +/- 77Ma (Carter, 1981). This is older than the +/- 50Ma age for the Babine Intrusions, and would make the Lennac dykes part of the Babine iintrusions.

There is a 1500 metre wide dyke/stock in the northwest of the property. Several smaller (up to 300 metre wide) northeast trending dykes are aligned along a northwest trending zone.

2.2.2 Structure

The Hazelton volcanic rocks appear to dip moderately northeasterly. The dykes trend northeasterly and may be emplaced within en echelon tension openings along a northwest structure. Aligned phenocrysts occasionally show a weak foliation striking northeasterly and dipping vertically within the dykes.

Steeply dipping northeasterly and northwesterly joints are common. Some fractures contain alteration and/or sulphide minerals.

2.2.3 Alteration

A large hydrothermal alteration system trends northwesterly in the area of the porphyry dykes. It is up to 1.3 kilometres wide and over 3.5 kilometres long. Exploration in 1991 extended the zone to the southeast and it is still open in this direction.

Volcanic rocks in the zone are variably propylitically altered and commonly contain disseminated and lesser fracture controlled pyrite. The propylitic alteration results in chlorite and epidote replacement of mafic minerals with associated calcite.

Intrusive rocks are sometimes weakly argillitized and also commonly contain pyrite.

Potassic alteration with secondary biotite development and K-feldspar along fractures occurs within intrusive rock in the West zone.

Quartz +/- carbonate stockwork development occurs in zones where copper and molybdenum mineralization has been found.

Silicification and bleaching of volcanics occurs locally in the volcanics, especially at the Suratt showing.

2.2.4 Mineralization

Pyrite occurs throughout the widespread propylitic alteration zone both as disseminated grains and as lesser fracture controlled pyrite. Copper and molybdenum mineralization occur in discrete zones within this larger alteration zone. There are four main mineralized zones, the previously discovered East and West zones and the Suratt showing and quartz stockwork hosting molybdenite south of the Suratt found in 1991.

i) West zone

The West zone occurs within a porphyry dyke and the surrounding volcanics. Pyrite, chalcopyrite, chalcocite, magnetite and minor molybdenite occur along fractures, with quartz stockwork and as disseminated grains. The best grades are in a higher grade core on the east side of the dyke and are associated with potassic alteration. A 300 metre by 300 metre wide zone of 0.2% copper has been indicated by previous drilling. Lower grade copper surrounds this zone in the dyke and host volcanics. A zone of high pyrite occurs outward from the copper mineralization.

Five composite samples were taken in 1974 from diamond drill core drilled in the higher copper zone. All contained less than one ounce silver and trace gold per ton.

ii) East zone

The East zone occurs within propylitically altered volcanics 1.2 kilometres southeast of the West zone. Pyrite, chalcopyrite, magnetite and minor sphalerite occur on fractures, within quartz-carbonate stockwork and occasionally as disseminated grains. Mineralization has been found intermittently over an 800 by 800 metre area. Grades are generally less than 0.1% copper.

iii) Suratt Showing

The Suratt showing was found along the access road by prospector Pat Suratt in 1991 one kilometre east of the main East zone trenches. It occurs within a unit previously identified as "rhyolite breccia" by Leary and Allen (1971). The unit is believed to lie close to a fault zone and to have resulted from silicification and bleaching of the host dark green Hazelton Group volcanic rocks. Trenching has revealed that the rocks become gradually darker and less silicified away from the central bleached, brecciated and silicified zone.

Sulphide mineralization includes disseminated pyrite, chalcopyrite and variable tetrahedrite. The highly altered and mineralized part of the zone is up to 25 metres wide and trends northwestward. Its strike length is unknown. Grades from chip samples graded 797 to 2455 ppm copper and 1 ppb to 40 ppb gold. Grabs from the zone graded up to 9862 ppm copper and 118 ppb gold.

The style of mineralization found at the Suratt showing was not found anywhere else on the property.

iv) South of Suratt

Trenching 200 and -80 metres south of the Suratt showing uncovered weathered pyritic volcanic rock with weak quartz stockwork and associated molybdenum and minor copper mineralization. Grades of 25 to 1106 ppm molybdenum and 127 to 1253 ppm copper were obtained from chip samples in this area. The geometry and extent of this zone are unknown.

3.0 1991 EXPLORATION PROGRAM:

3.1 Introduction

Exploration in 1991 was undertaken to investigate the possibility that the property, demonstrated by previous operators to have Babine-porphyry bulk tonnage potential, might have undiscovered or insufficiently tested gold values associated with copper mineralization.

The work plan included:

1) Verification of previous geological mapping and amplification of the mapping where necessary.

2) Sampling of sulphide mineralization in and around identified zones of potential.

3) Intense sampling of previous trenching, with average sample size of 10 kg.

4) Use of an experienced prospector throughout the area while other work was continuing.

5) Backhoe trenching in areas where:
   i) soil geochemical anomalies from a 1971 soil survey were not adequately explored.
   ii) promising float was found in areas of insufficient previous trenching.
   iii) current prospecting had found new mineralization.

3.2 Results

As described in the section on geology, work in 1991 confirmed the mapping done by Leary and Allen in 1971 except for the area around the Suratt showing. Geology is shown on Map 2.

Sample locations are shown on Map 3 and Figures 1 through 7. Thirty-one rock samples collected while mapping were analyzed. Most are from the West and East zones. Another 31 samples were collected from around the West zone and Suratt showing areas during prospecting. These samples tended to be biased towards well mineralized chips.

Samples from the West zone graded up to 0.50% Cu and up to 60 ppb Au. Those from the East zone graded up to 0.27% Cu and 35 ppb Au, though most samples graded less than 100 ppm Cu and 10 ppb Au in this zone. Prospecting samples from the Suratt showing graded up to 0.31% Cu and 20 ppb Au.

Large 10 kg samples were taken in mineralized zones in an attempt to get more representative grades. Sampling was not biased toward well mineralized chips for these samples.

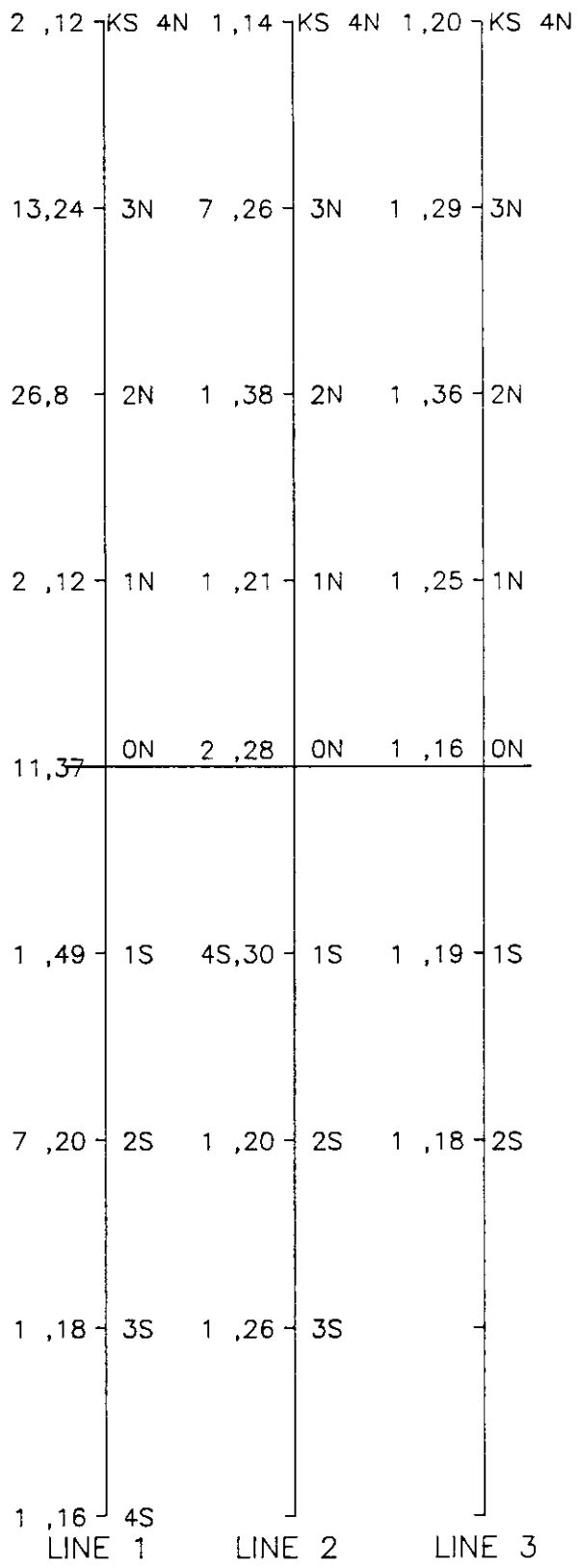
Results from these samples in the West zone graded up to 0.21% Cu and 50 ppb Au. Grades were more commonly in the 0.1 to 0.15% Cu and 20 to 30 ppb Au range. In the East zone, samples graded up to 0.12% Cu and up to 1.84 gm/t gold. However, the high gold value was highly anomalous and is probably related to some late shears in the area sampled. Results from the East zone were more typically in the 0.1% Cu and less than 10 ppb Au range.

Chip samples taken after trenching of the Suratt showing graded up to 0.25% Cu and 40 ppb Au and grabs graded up to 0.99% cu and 118 ppm Au. Samples commonly graded in the 0.1 to 0.3% Cu and 10 to 40 ppb Au range.

Grab samples from trenches south of the Suratt showing, in the area of quartz stockwork with molybdenum, graded from 170 to 1253 ppm Cu, 25 to 1106 ppm Mo and 3 to 40 pb Au.

Trenching was undertaken in the Suratt showing area and the molybdenum stockwork area to the south as described above. Trenching was also undertaken in the West zone east of the lake and in the area of individual soil anomalies from the 1971 soil survey north of the lake.

Trenching in the West zone revealed no discoveries of significance. These pits were dug in areas where well mineralized or altered float was discovered by the prospector and there were no nearby trenches. In the more southerly pit, a contact zone between porphyry intrusive and altered Hazelton volcanics was encountered. To the north green andesitic rocks were found. , The rocks were variably mineralized with disseminated pyrite and minor chalcopyrite (see Fig. 2).



KEY

ppm Mo | ppm Cu | Sample No.

2 ,12 KS 4N

0 50

metres

Kennecott Canada Inc.

LENNAC LAKE

Soil Sample Locations
Vicinity of 78842
(see Fig.7)

DATE Feb.'92 MAP 4

5.0 BIBLIOGRAPHY:

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1981 Porphyry Copper and Molybdenum Deposits West-Central British Columbia; Ministry of Energy, Mines and Petroleum Resources, Bulletin 64

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1972 Geophysical Report on Ground Magnetometer and Induced Polarization Surveys on the Lennac Lake Copper Property; Assessment Report No. 3808

Hodgson,C.J.
1974 Lennac Lake Drill Program, March to April 1974; Assessment Report No. 5031

Leary,G.M. and Allen,J.F.
1972 1971 Geochemical and Geophysical Report, Lennac Lake Cu Property; Assessment Report No. 3807.

6.0 STATEMENT OF COSTS

ITEM	REMARKS	COST
Wages; C.Harivel	16 days x $275	$4,400.00
Wages; P.Suratt	8 days x 220	$1,760.00
Wages; K.Soby	6 days x $140	$840.00
Wages; L.Bishop	10 days x $100	$1,000.00
Linecutter/Brusher	4 days x $210	$840.00
Camp rental/setup		$1,920.00
Camp materials		$579.00
Camp supplies		$300.00
Food		$788.00
Field supplies		$464.00
Equipment rental	saw, radios	$280.00
Truck rentals		$698.00
Truck gas		$297.00
Airphotos/maps		$394.00
Map plotting/photocopying		$426.00
Sample analysis		$2,119.00
Supervision/planning	HS; 8 days x $250	$2,000.00
Backhoe rental	40 hrs x $70	$2,800.00
Lowbed		$324.00
Report writing	5 days x 250	$1,250.00
Drafting		$500.00
Report supplies/copying		$30.00
	TOTAL COSTS	$24,009.00

7.0 STATEMENT OF QUALIFICATIONS:

I, Hans Q. Smit, of Telkwa, British Columbia, do hereby certify that:

I am a graduate from the University of British Columbia with a B.Sc. Honours (Geology).

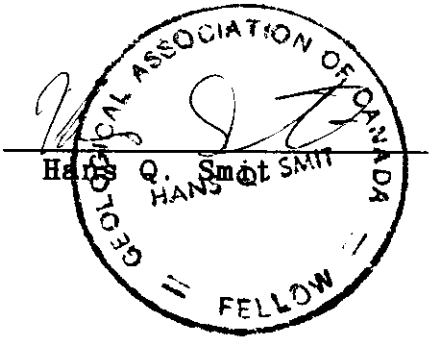
I have been involved in the mineral exploration and mining industry for eleven years.

I am a fellow of the Geological Association of Canada.

I am employed by Kennecott Canada Inc. of 138-200 Granville St., Vancouver, BC.

I visited the Lennac Lake property on several occasions in 1991.

I am the co-author of this report.



Hans Q. Smit

March 6/92
Date

AUTHOR'S STATEMENT

I, Colin Harivel, do hereby state that:

1. I am a mineral exploration geologist with business address P.O. Box 233, Smithers, B.C., V0J2N0,

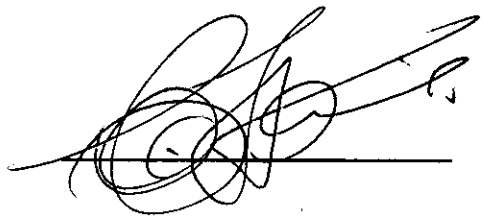
2. I graduated from the University of British Columbia in 1972 with a B.Sc. in geology and I have since then practised my profession in Australia, Canada and the United States of America,

3. I am a Member in good standing of the Association of Professional Engineers and Geoscientists of the Province of British Columbia,

4. I have explored for and am familiar with the characterisitcs of ore deposits of the type that may be contained in the Lennac Lake area property, the subject property in this report, and

5. I visited the property in August and September, 1991, and this report is based on a literature review and on observations made by me and by associates who were present on those dates.

Signed:

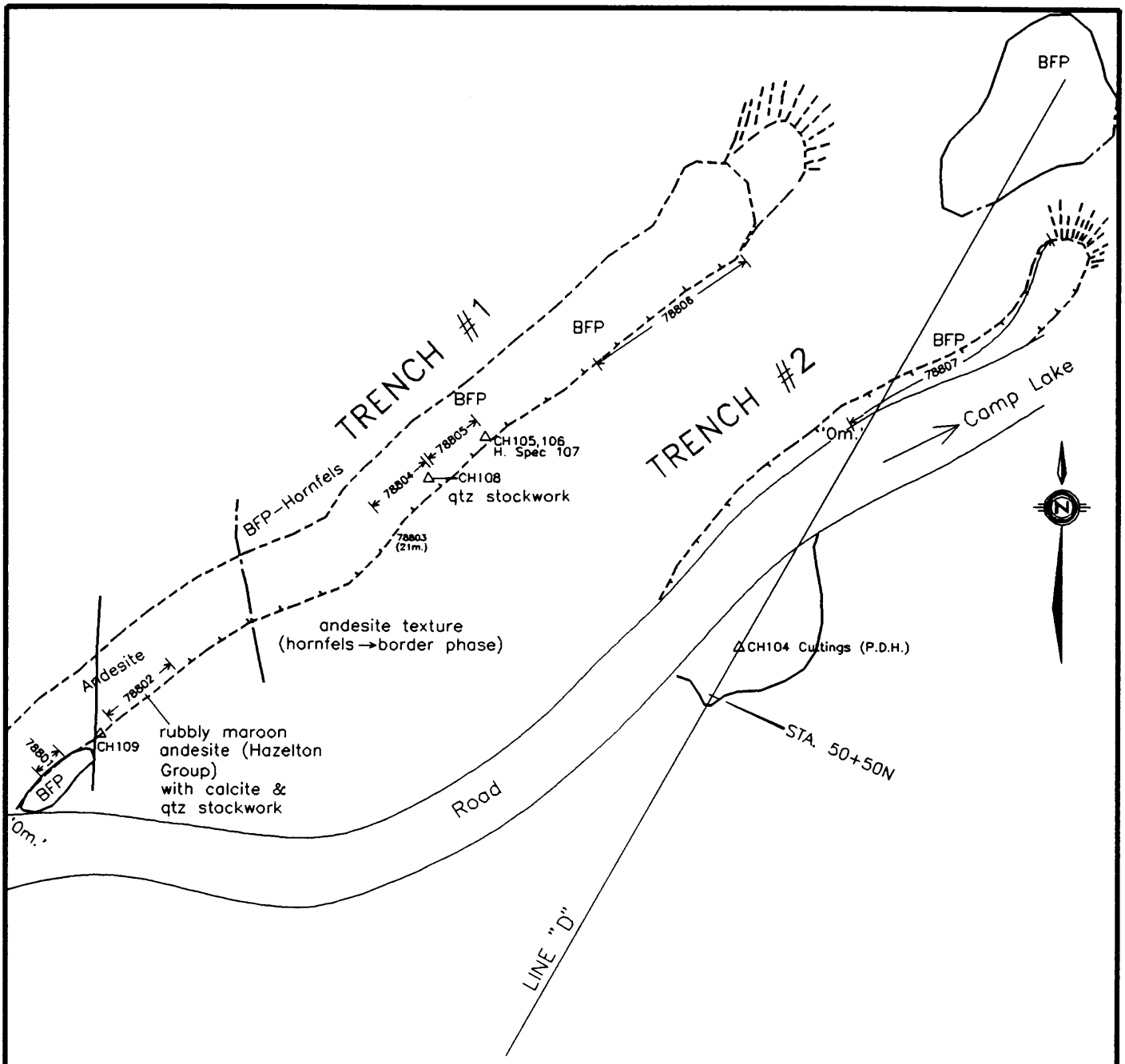


COLIN HARIVEL, B.Sc., P.Geo

March 5th, 1992

APPENDIX 1

FIGURE 1-7
SKETCH MAPS



LEGEND

- Inferred geological contact
- △CH109 Sample site & number
- ⊢78804⊣ Sample interval & number
- Trench
- Pit

0 10

Metres

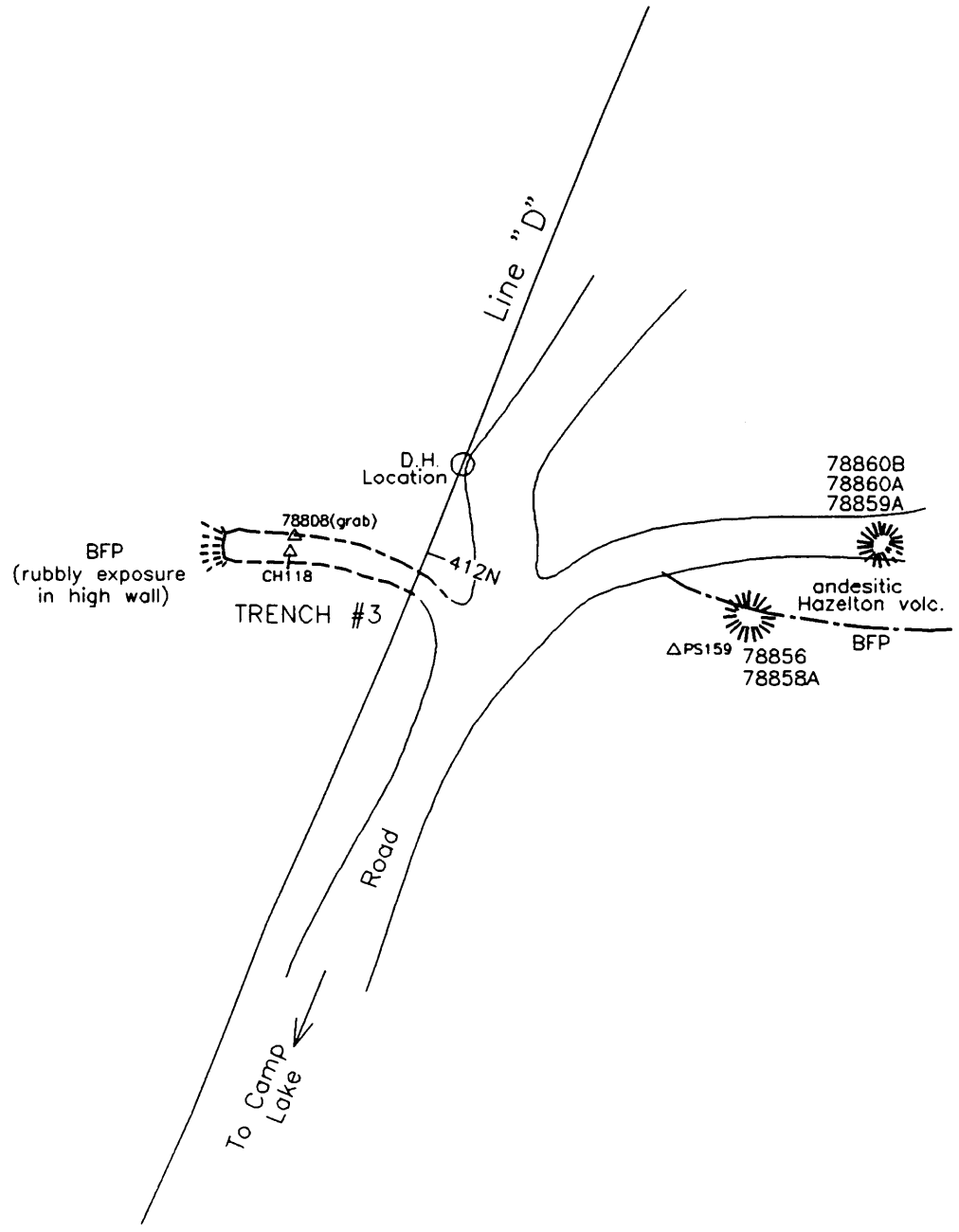
ACAD FILE: KENLEN1.DWG

Kennecott Canada Inc.

LENNAC LAKE

Sketch of Trench #1 and 2

DATE Feb.'92 FIGURE 1



LEGEND

- Inferred geological contact
- CH109 Sample site & number
- 78804 Sample interval & number
- Trench
- Pit

Approximate Scale

0 10

Metres

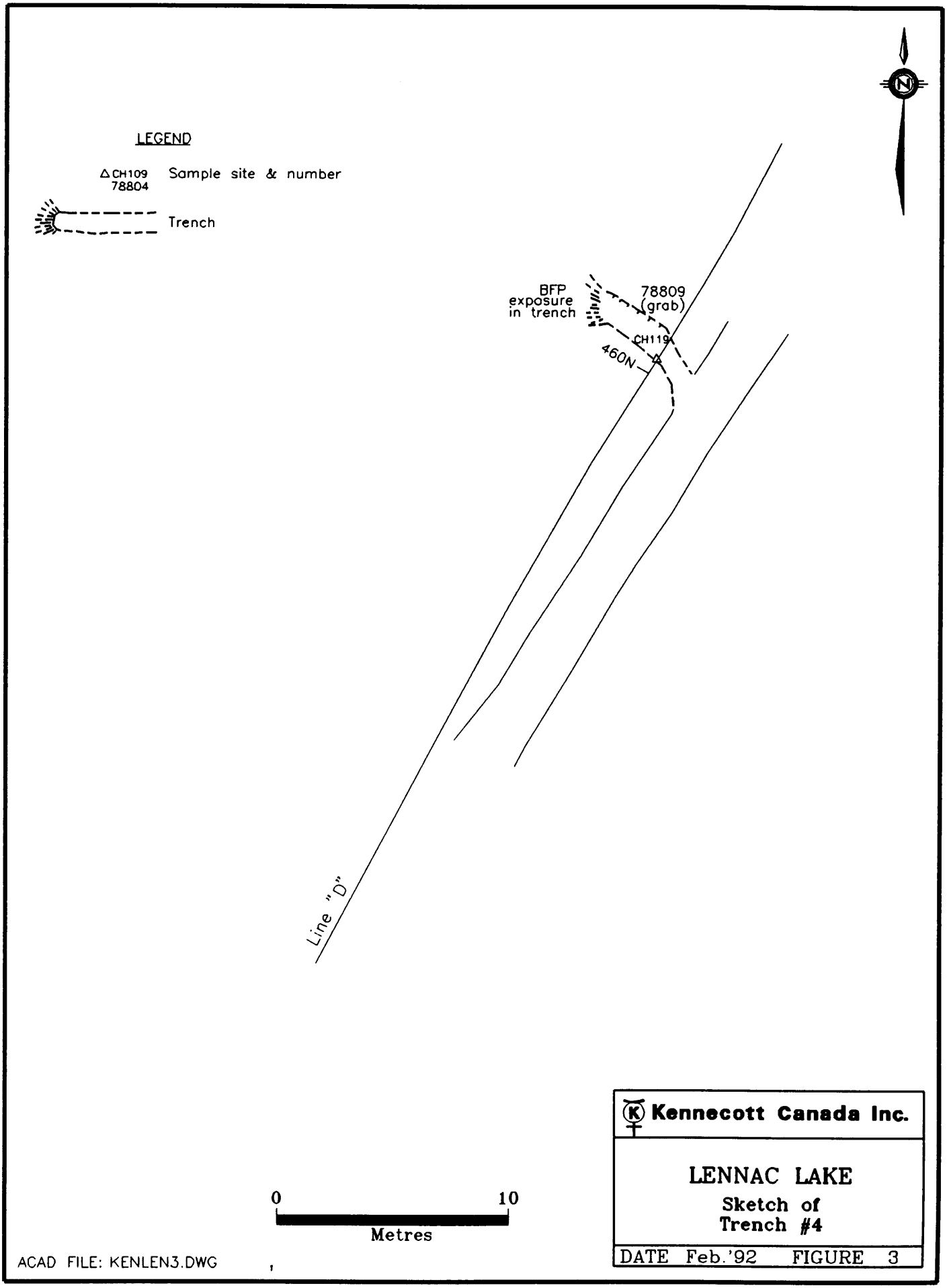
Kennecott Canada Inc.

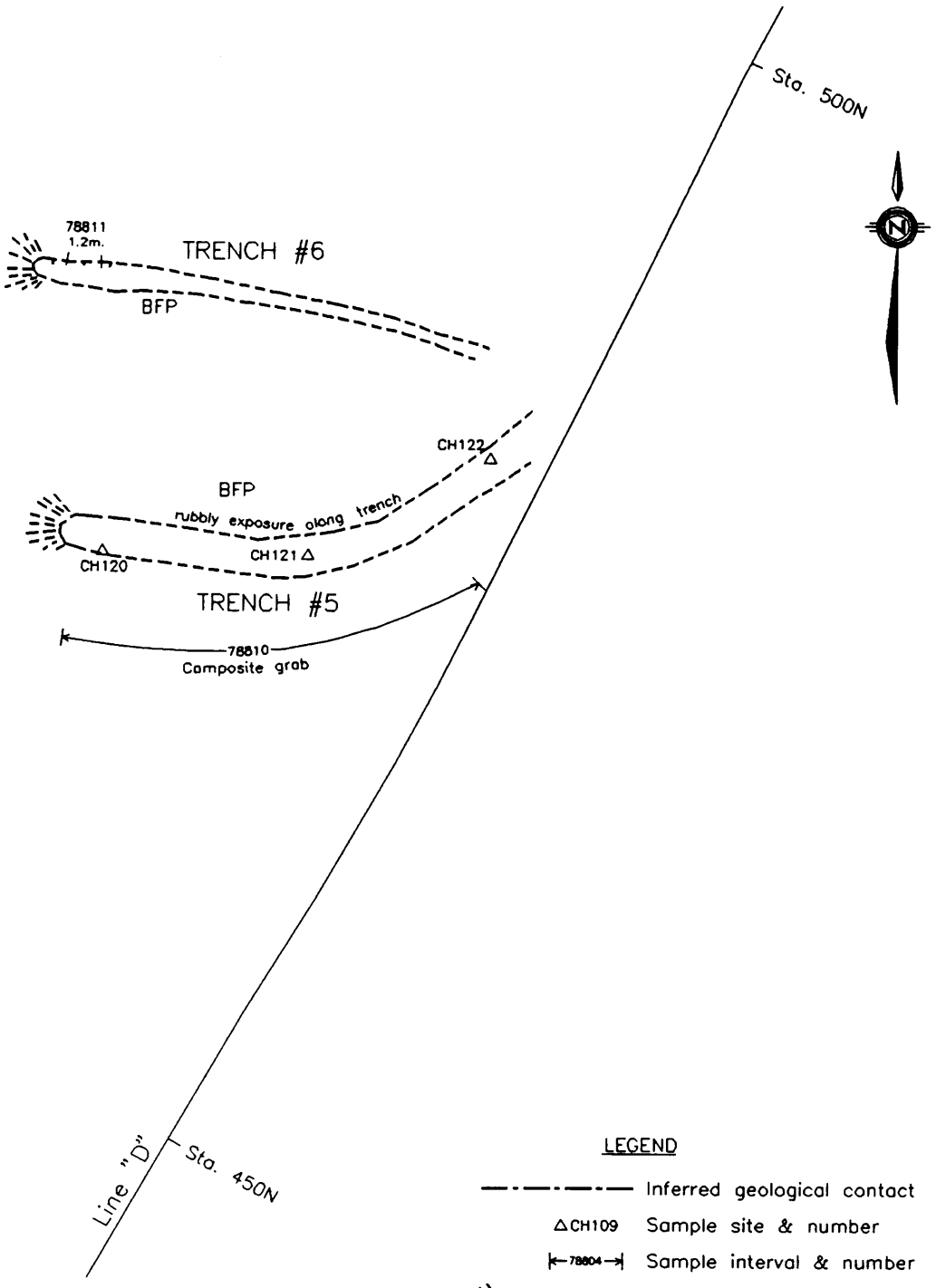
LENNAC LAKE

Sketch of Trench #3

DATE Feb.'92 FIGURE 2

ACAD FILE: KENLEN2.DWG


LEGEND
ΔCH109
78804
Sample site & number
Trench
BFP
exposure
in trench
78809
(grab)
CH119
460N
Line "D"
0
10
Metres
Kennecott Canada Inc.
LENNAC LAKE
Sketch of
Trench #4
DATE Feb.'92
FIGURE 3
ACAD FILE: KENLEN3.DWG



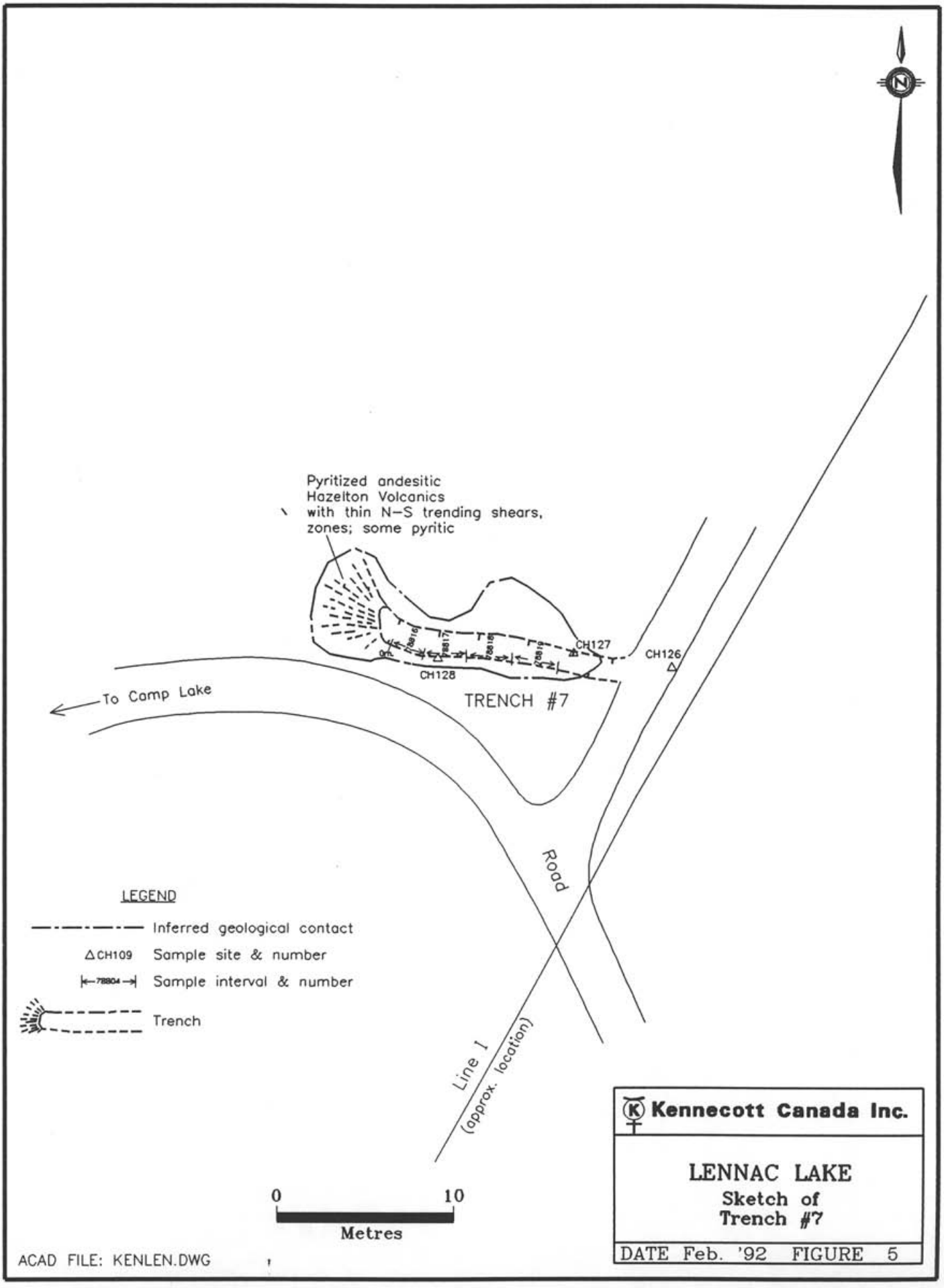
Kennecott Canada Inc.

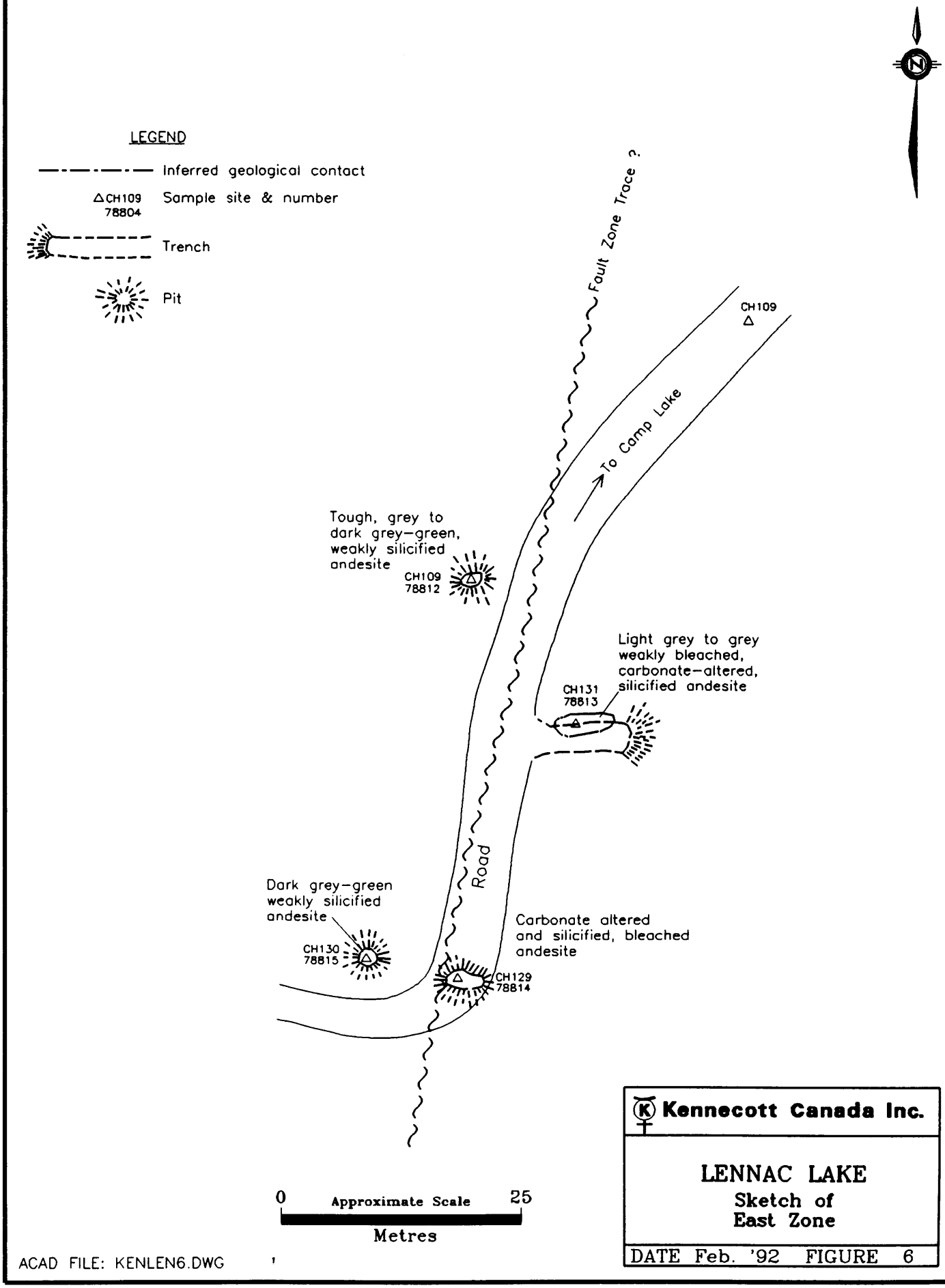
LENNAC LAKE

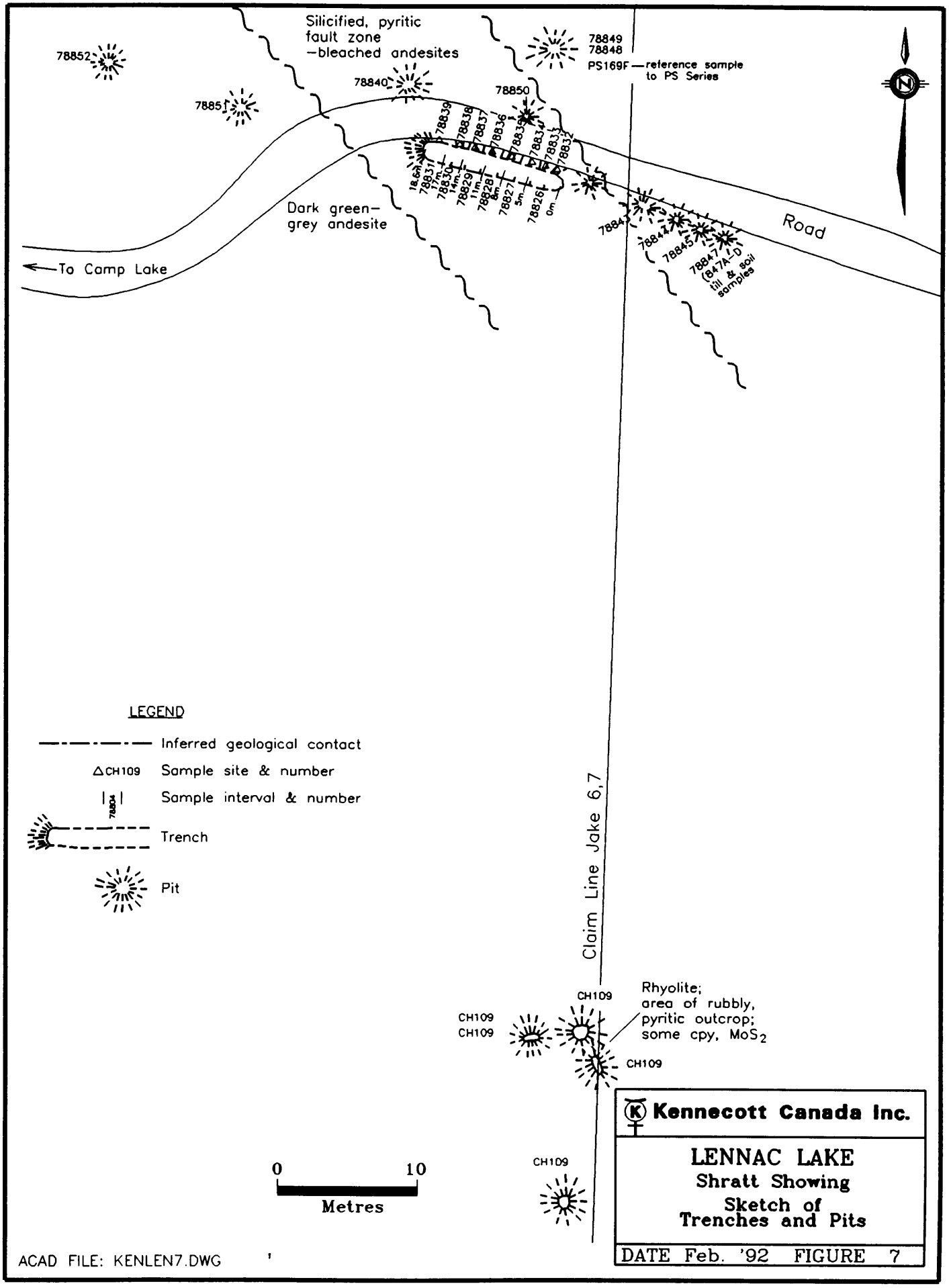
Sketch of Trench #5 and #6

DATE Feb. 1992 FIGURE 4

ACAD FILE: KENLEN4.DWG


Pyritized andesitic
Hazelton Volcanics
with thin N–S trending shears,
zones; some pyritic
CH127
CH126
CH128
TRENCH #7
To Camp Lake
Road
Line 1
(approx. location)
LEGEND
Inferred geological contact
ΔCH109 Sample site & number
Sample interval & number
Trench
0
10
Metres
Kennecott Canada Inc.
LENNAC LAKE
Sketch of
Trench #7
DATE Feb. '92 FIGURE 5
ACAD FILE: KENLEN.DWG


LEGEND
Inferred geological contact
ΔCH109 78804 Sample site & number
Trench
Pit
Fault Zone Trace ?
CH109
To Camp Lake
Tough, grey to dark grey–green, weakly silicified andesite
CH109 78812
Light grey to grey weakly bleached, carbonate–altered, silicified andesite
CH131 78813
Road
Dark grey–green weakly silicified andesite
CH130 78815
Carbonate altered and silicified, bleached andesite
CH129 78814
0 Approximate Scale 25
Metres
Kennecott Canada Inc.
LENNAC LAKE
Sketch of East Zone
DATE Feb. '92 FIGURE 6
ACAD FILE: KENLEN6.DWG


Silicified, pyritic fault zone —bleached andesites
78852
78851
78840
78850
78849
78848
PS169F — reference sample to PS Series
78839
78838
78837
78836
78835
78834
78833
78832
18.6m
17m
14m
11m
8m
5m
0m
78831
78830
78829
78828
78827
78826
Dark green-grey andesite
To Camp Lake
Road
78843
78844
78845
78847
(847A-D till & soil samples
Claim Line Jake 6,7
CH109
CH109
CH109
CH109
CH109
Rhyolite; area of rubbly, pyritic outcrop; some cpy, MoS_2
LEGEND
Inferred geological contact
ΔCH109 Sample site & number
Sample interval & number
Trench
Pit
0
10
Metres
Kennecott Canada Inc.
LENNAC LAKE
Shratt Showing
Sketch of Trenches and Pits
DATE Feb. '92 FIGURE 7
ACAD FILE: KENLEN7.DWG

APPENDIX 2

SAMPLE SUMMARIES

KENNECOTT CANADA INC.
LENNAC LAKE PROJECT
1991 CHIP SAMPLING

LARGE ROCK SAMPLE (10KG)

SAMPLE	WIDTH (metres)	LOCATION	LITHO.	MINERAL/ALTER	Cu ppm	Mo ppm	Au ppb	
samples from Amax trenches								
78801	grab	West zone	BFP	w-cpy	1411	5	5	
78802	3.3	West zone	volc	w-stwk	1546	18	10	
78803	grab	West zone	BFP/volc	cpy; qtz stwk	1718	3	40	
78804	3.0	West zone	BFP/volc	cpy;py;moly; qtz	1497	7	10	
78805	3.0	West zone	BFP/volc	stwk	1090	8	30	
78806	grab	West zone	BFP	qtz; w-cpy	781	5	5	
78807	grab	West zone	BFP	qtz; w-cpy	1297	22	50	
78808	grab	West zone	BFP	qtz; w-cpy	2095	6	20	
78809	grab	West zone	BFP	carb	696	3	5	
78810	grab	West zone	BFP	py; w-cpy	561	12	5	
78811	1.2	West zone	BFP	lim	458	7	5	
78812	grab	East zone	volc	py;cpy	1204	18	10	
78813	grab	East zone	volc	qtz;carb; py;w-cpy	94	1	5	
78814	grab	East zone	volc	qtz;carb; py;w-cpy	22	1	5	
78815	grab	East zone	volc	qtz;carb; py;w-cpy	344	1	5	
78816	3.0	East zone	volc	qtz;carb; py;w-cpy	910	45	5	
78817	3.0	East zone	volc	qtz;carb; py;w-cpy	1164	58	5	assay
78818	3.0	East zone	volc	qtz;carb; py;w-cpy	1275	80	1350	(1.84 g
78819	3.0	East zone	volc	qtz;carb; py;w-cpy	1140	138	40	
samples from 1991 trenches								
78826	5.0	Suratt; Tr-1	alt rhy?	sil; cpy;tetr	1251	7	21	
78827	3.0	Suratt; Tr-1	alt rhy?	sil; cpy;tetr	1157	9	17	
78828	3.0	Suratt; Tr-1	alt rhy?	sil; cpy;tetr	2455	10	40	
78829	3.0	Suratt; Tr-1	alt rhy?	sil; cpy;tetr	892	9	21	
78830	3.0	Suratt; Tr-1	alt rhy?	sil; cpy;tetr	1117	5	12	
78831	1.6	Suratt; Tr-1	alt rhy?	sil; cpy;tetr	797	28	10	
78832	grab	Suratt; Tr-1	alt rhy?	sil; cpy;tetr	3127	6	100	
78833	grab	Suratt; Tr-1	alt rhy?	sil; cpy;tetr	2252	4	43	
78834	grab	Suratt; Tr-1	alt rhy?	sil; cpy;tetr	2520	9	15	
78835	grab	Suratt; Tr-1	alt rhy?	sil; cpy;tetr	3152	8	17	
78836	grab	Suratt; Tr-1	alt rhy?	sil; cpy;tetr	3272	21	31	
78837	grab	Suratt; Tr-1	alt rhy?	sil; cpy;tetr	9862	20	118	

SAMPLE	WIDTH (metres)	LOCATION	LITHO.	MINERAL/ALTER	Cu ppm	Mo ppm	Au ppb
78838	grab	Suratt; Tr-1	alt rhy?	sil; cpy;tetr	3205	6	31
78839	grab	Suratt; Tr-1	alt rhy?	sil; cpy;tetr	2641	5	37
78840	grab	Suratt; Tr-2	alt rhy?	w-cpy	504	17	26
78841	grab	285m S. of Sur.	volc	py; q-stwk; w-moly	170	105	30
78842	grab	215m S. of Sur.	volc	q-stwk; moly	127	1106	17
78843	grab	18m E. of Tr-1	alt rhy?	sil; cpy;tetr	1670	15	10
78844	grab	35m E. of Tr-1	alt rhy?	sil; cpy;tetr	1972	8	31
78845	grab	50m E. of Tr-1	alt rhy?	sil; cpy;tetr	1839	3	20
78846	not taken						
78847	grab	68m E. of Tr-1	volc	carb	35	1	1
78848	grab	20m N. of Tr-1	volc	py	86	1	7
78849	grab	20m N. of Tr-1	float;rhy	sil	3074	2	14
78850	grab	12m N. of Tr-1	rhy?	sil	788	4	5
78851	grab	80m N. of Tr-1	rhy? brxx	w-cpy	355	9	12
78852	not taken						
78853	1	40m NW of 78842	BFP?	cpy	340	25	5
78854	grab	40m NW of 78842	float; BFP?		1253	49	40
78855	grab	35m E. of 78842	BFP	q-stwk; moly	405	85	3
78856	grab	West zone	BFP/volc	py	2641	25	2

KENNECOTT CANADA INC.
LENNAC LAKE PROJECT
1991 CHIP SAMPLING

GRABS FROM MAPPING AND PROSPECTING

SAMPLE	TYPE	LOCATION	LITHO.	MINERAL/ALTER	Cu ppm	Mo ppm	Au ppb
CH 101	rock	West Zone	BFP	q-stwk; cpy,mgt	not analysed		
CH 102	rock	West Zone	BFP	grey; carb; cpy	4974	42	5
CH 103	rock	West Zone	BFP	q-stwk; cpy,py,mgt	2597	40	5
CH 104	cutting	West Zone	sand cuttings from a PDH		1619	22	60
CH 105	rock	West Zone	BFP	q-stwk; cpy	not analysed		
CH 106	rock	West Zone	BFP	q-stwk; cpy	not analysed		
CH 107	rock	West Zone	BFP	coarse grain	not analysed		
CH 108	rock	West Zone	volc	q-stwk; cpy	not analysed		
CH 109	rock	West Zone	volc	fract; weath	not analysed		
CH 110	float	West Zone	volc		not analysed		
CH 111	float	West Zone	volc		not analysed		
CH 112	cutting	West Zone	sand cuttings from a PDH		319	2	5
CH 113	float	West Zone	BFP	py	not analysed		
CH 114	float	West Zone	BFP	i-py	47	1	5
CH 115	rock	West Zone	BFP	i-py	not analysed		
CH 116	rock	West Zone	BFP	i-py	140	2	5
CH 117	rock	West Zone	?	propylitic	348	1	15
CH 118	float	West Zone	BFP	fresh	not analysed		
CH 119	rock	West Zone	BFP	10% py	829	8	5
CH 120	rock	West Zone	BFP	saussuritized; py	243	5	5
CH 121	float	West Zone	BFP	q-stwk; cpy	1159	54	5
CH 122	rock	West Zone	BFP	k-spar; q-stwk; cpy	382	8	5
CH 123	float	West Zone	qtz di	fine grain	not analysed		
CH 124	cutting	West Zone	sand cuttings from a PDH		65	2	5
CH 125	float	West Zone	volc	fresh; amygdules	not analysed		
CH 126	float	East Zone	volc	grey feld ppy	79	2	10
CH 127	rock	East Zone	micro-di	bleach; cpy,moly	2716	202	35
CH 128	rock	East Zone	volc	grey; cpy	510	34	5
CH 129	rock	East Zone	volc	qtz,carb; cpy	16	1	5
CH 130	rock	East Zone	volc	propy; brxx; cpy	138	6	5
CH 131	rock	East Zone	volc	propy; brxx; cpy	97	1	5
CH 132	rock	East Zone	volc	propy; brxx; cpy	768	8	5
CH 133	rock	East Zone	volc	grey; unaltered	not analysed		
CH 134	float	East Zone	volc	grey; epid	39	1	5
CH 135	rock	East Zone	volc	epid; sausseritzed	14	1	10
CH 136	float	East Zone	volc	green	7	1	5
CH 137	rock	East Zone	volc	green-grey	7	1	5
CH 138	float	East Zone	volc brxx	carb	14	1	5
CH 139	float	East Zone	BFP	fresh	8	2	5
CH 140	float	East Zone	volc aggl	10% py	9	1	5

SAMPLE	TYPE	LOCATION	LITHO.	MINERAL/ALTER	Cu ppm	Mo ppm	Au ppb
CH 141	rock	East Zone	volc	py	7	1	10
CH 142	rock	East Zone	dyke	grey; py	63	1	5
CH 143	rock	S. of Suratt	congl	weath; py	25	1	2
CH 144	rock	S. of Suratt	congl	sil; py; rhy?	12	1	1
CH 145	rock	S. of Suratt	congl		30	1	5
PS 150	rock	prospecting	intrusive	sil; py;w-cpy	198	1	5
PS 151	rock	prospecting	diortie	epid; py	12	1	5
PS 152	rock	prospecting	BFP	epid;k-spar; py;w-cpy	37	2	10
PS 153	float	prospecting	intrusive	i-py	39	1	10
PS 154	rock	prospecting	volc	epid; py	44	1	5
PS 155	rock	prospecting	volc	bleach rhy brxx	24	4	5
PS 156	float	prospecting	BFP	sil; py; bi	10	1	5
PS 157	float	prospecting	intrusive	sil;bi; rust	14	1	5
PS 158	float	prospecting	BFP	q-stwk; py;cpy;mgt	3536	7	110
PS 159	float	prospecting	BFP	q-stwk; py;cpy;mgt	1626	10	15
PS 160	float	prospecting	intrusive	q-stwk; py;cpy;mgt	849	11	25
PS 161	float	prospecting	intrusive	k-spar; i-py	32	1	10
PS 162	rock	prospecting	?	propyl; py;w-cpy	406	1	5
PS 163	rock	prospecting	BFP	propyl; w-py; bi	10	2	5
PS 164	rock	prospecting	volc	propylitic	32	1	5
PS 165	rock	prospecting	volc	epid;cc; py	16	1	5
PS 166	float	prospecting	volc	bleach rhy brxx	449	4	10
PS 167	float	prospecting	volc	bleach rhy brxx; py	170	7	5
PS 168	float	prospecting	volc	blea. rhy brxx; py;cpy	170	8	10
PS 169	float	prospecting	BFP	k-spar; q-stwk	20	3	5
PS 170	float	prospecting	volc	rhy?; blea,; py;cpy	2713	5	5
PS 171	rock	prospecting	volc	rhy?; blea,; py;cpy	3131	24	20
PS 172	rock	prospecting	volc	rhy?; blea,; py;cpy	86	1	5
PS 173	rock	prospecting	volc	rhy?; blea,; py;cpy	513	3	5
PS 174	rock	prospecting	volc	rhy?; blea,; py;cpy	177	51	5
PS 175	rock	prospecting	volc	rhy?; blea,; py;cpy	1901	8	10
PS 176	rock	prospecting	volc	rhy?; blea,; py;cpy	28	7	5
PS 177	rock	prospecting	intrusive	rusty	17	1	5
PS 178	rock	prospecting	volc	chl;epid	257	1	5
PS 179	float	prospecting	volc	rhy?; bleach	9	1	5
PS 180	rock	prospecting	BFP	py	18	1	5

KENNECOTT CANADA INC.
LENNAC LAKE PROJECT

SOILS FROM PITS

SAMPLE	LOCATION	Cu ppm	Mo ppm	Au ppb
832A	Suratt showing	84	1	5
832B	Suratt showing	87	1	5
832C	Suratt showing	22	1	5
843A	Suratt showing	207	2	10
843B	Suratt showing	90	1	5
843C	Suratt showing	20	1	10
847A	Suratt; E. side	52	1	35
847B	Suratt; E. side	70	1	10
847C	Suratt; E. side	90	1	5
847D	Suratt; E. side	19	1	5
848A	Suratt; NE side	71	1	5
852A	Suratt; W. side	52	1	5
855A	North of lake	39	1	5
855B	North of lake	20	1	5
856A	North of lake	21	1	5
857A	North of lake	36	1	10
857B	North of lake	19	1	10
859A	West zone	633	14	5
860A	West zone	589	14	5
860B	West zone	37	1	5

APPENDIX 3

GEOCHEMICAL CERTIFICATES

COMP: KENNECO.. CANADA
PROJ: 02-399 P.O. 626-01
ATTN: J.MARR/S.BISHOP/H.SMIT

MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0517-RJ1+2
DATE: 91/08/29
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-WET PPB
LEN CH 102	2.5	13180	424	5	239	.1	7	16310	.1	21	4974	38670	9650	4	13580	314	42	340	1	800	29	1	13	1	2318	127.4	53	2	2	5	57	5
LEN CH 103	2.1	12970	19	1	272	.1	12	4430	.1	20	2597	39940	8070	6	12680	341	40	480	1	640	9	1	9	1	3223	128.6	47	2	3	5	59	5
LEN CH 104	1.0	11830	41	1	189	.1	6	8300	.1	21	1619	36750	4570	5	9580	356	22	760	1	1080	19	1	13	1	1457	88.9	37	3	1	4	54	60
LEN CH 112	.7	27340	4	1	137	.1	10	13960	.1	15	319	43830	7430	4	15910	173	2	3170	1	780	13	1	53	1	2392	127.3	23	3	3	4	53	5
LEN CH 114	2.2	29930	29	1	194	.1	22	16380	.1	21	47	52720	11690	5	20750	251	1	3410	1	880	9	1	62	1	5508	184.5	23	1	5	5	53	5
LEN CH 116	.3	41930	22	1	194	.1	4	21010	.1	13	140	38360	1790	2	3260	27	2	7150	1	1110	14	1	78	1	623	20.8	8	3	2	1	23	5
LEN CH 117	1.4	25980	76	1	43	.1	14	16330	.1	30	348	44630	1280	6	16220	224	1	3430	1	970	15	1	43	1	3196	99.5	28	4	4	4	57	15
LEN CH 119	.6	8290	34	1	233	.1	3	12610	.1	10	829	29650	3190	5	8890	157	8	730	1	1050	15	1	17	2	781	58.1	28	3	1	4	70	5
LEN CH 120	.9	13030	19	1	178	.1	8	7860	.1	12	243	28570	3510	6	11490	191	5	470	1	1130	9	1	14	1	1917	72.5	23	4	2	4	63	5
LEN CH 121	1.3	13950	31	1	201	.1	6	6750	.1	14	1159	23720	3140	6	11570	165	54	530	1	1030	12	1	17	2	1360	66.6	28	4	2	5	103	5
LEN CH 122	1.0	13620	12	1	184	.1	8	8490	.1	12	382	28580	3550	6	11760	217	8	900	1	1050	37	1	15	1	1770	71.3	47	4	2	5	93	5
LEN CH 124	.1	20080	7	1	163	.1	6	7260	.1	14	65	53190	3700	6	10400	241	2	1880	1	870	13	1	38	1	1130	97.1	32	2	1	5	96	5
LEN CH 126	1.2	22240	9	1	75	.1	13	12910	.1	17	79	41960	9750	6	16990	220	2	2920	1	830	9	1	56	1	3092	124.8	24	4	3	4	61	10
LEN CH 127	9.8	8750	25	1	37	.1	1	47920	.1	8	2716	28750	2200	4	6980	859	202	700	1	910	22	3	39	1	111	92.0	62	5	1	6	118	35
LEN CH 128	1.5	19970	11	1	27	.1	6	18580	.1	12	510	38810	6630	5	16460	421	34	1840	1	1100	19	1	32	1	1199	130.7	74	4	2	3	28	5
LEN CH 129	.3	7820	25	1	183	.1	1	25510	.1	7	16	34580	2610	2	5970	503	1	890	1	1130	17	1	32	1	82	55.5	27	3	1	3	58	5
LEN CH 130	.8	18520	5	1	13	.1	9	23960	.1	14	138	48580	1130	10	22090	468	6	1220	1	960	8	1	26	1	2137	134.7	37	3	2	3	43	5
LEN CH 131	.1	6710	17	1	22	.1	1	12970	.1	5	97	29790	2570	2	4480	224	1	1390	1	1120	15	1	13	1	131	35.6	27	3	1	2	46	5
LEN CH 132	.9	18410	16	1	49	.1	10	14250	.1	21	768	56070	2990	14	16150	203	8	1270	1	1060	14	1	35	1	2487	127.5	25	4	3	3	42	5
LEN CH 134	.1	35290	4	1	1389	.1	3	24160	.1	19	39	51750	1800	14	29870	1228	1	590	1	840	13	1	65	1	242	96.3	65	3	2	2	51	5
LEN CH 135	1.4	22190	1	1	67	.1	16	19490	.1	31	14	58710	930	12	28230	1095	1	670	1	780	6	1	30	1	4041	166.2	97	1	4	3	46	10
LEN CH 136	.1	30450	5	1	85	.1	2	20440	.1	16	7	49490	1800	15	26490	817	1	670	1	960	12	1	30	1	266	98.0	53	3	1	1	29	5
LEN CH 137	.1	28260	6	1	38	.1	2	19040	.1	20	7	52200	1510	12	28430	771	1	950	1	950	10	1	22	1	288	119.9	48	3	2	2	38	5
LEN CH 138	.9	23210	10	1	202	.1	10	15650	.1	16	14	39550	2150	11	13480	1026	1	5520	1	810	14	1	58	1	2221	81.3	104	4	2	2	20	5
LEN CH 139	.5	14320	14	1	161	.1	5	14980	.1	12	8	29480	1390	7	14090	454	2	710	7	1030	11	1	26	1	1015	73.0	44	5	1	6	124	5
LEN CH 140	.5	28210	6	1	53	.1	7	25100	.1	13	9	43410	3270	10	20900	871	1	1130	1	910	11	1	37	1	1371	113.0	71	3	2	3	54	5
LEN CH 141	1.1	25610	10	1	77	.1	14	18010	.1	13	7	47530	2860	11	18950	632	1	620	1	920	9	1	29	1	3292	108.3	64	2	4	4	51	10
LEN CH 142	1.4	26710	1	1	347	.1	18	12610	.1	16	63	52890	11330	4	19080	291	1	3110	1	970	3	1	47	1	4403	169.2	24	2	4	4	52	5
PS 150	.1	7120	6	1	78	.1	2	9520	.1	10	198	42890	980	4	2660	390	1	280	9	1400	12	1	25	1	95	60.4	68	1	1	2	40	5
PS 151	1.4	24340	1	1	193	.1	16	14200	.1	36	12	57800	600	8	25500	1090	1	860	1	920	6	1	36	1	3964	154.9	55	1	4	3	31	5
PS 152	.4	15570	14	4	328	.1	2	11850	.1	11	37	21710	1290	8	11900	592	2	730	6	1180	16	1	32	1	108	47.8	61	5	1	5	90	10
PS 153	1.5	24520	1	2	146	.1	15	15170	.1	19	39	54540	4820	9	22790	598	1	1650	1	1050	9	1	40	1	3438	137.0	51	2	4	4	58	10
PS 154	1.4	25290	1	2	163	.1	15	15120	.1	21	44	57740	5440	9	23370	575	1	1650	1	1150	6	1	40	1	3640	144.2	57	2	4	4	47	5
PS 155	.5	5520	14	2	77	.1	1	720	.1	4	24	10480	350	8	340	1061	4	370	3	80	16	4	41	2	31	11.0	58	1	1	3	66	5
PS 156	.6	5140	16	4	463	.1	2	25060	.1	8	10	20620	2350	5	7460	788	1	570	1	880	18	1	74	1	51	37.2	55	4	1	3	70	5
PS 157	.2	7580	25	1	139	.1	1	18410	.1	13	14	31600	1750	11	7190	1054	1	270	5	910	20	1	33	1	23	30.2	51	3	1	2	45	5
PS 158	2.7	8620	98	1	187	.1	4	9230	.1	13	3536	23690	3250	5	5430	280	7	340	1	880	13	3	13	1	754	54.2	43	4	1	5	88	110
PS 159	1.3	8920	10	1	130	.1	3	5340	.1	11	1626	22970	2890	4	7830	416	10	260	1	890	12	1	9	1	739	57.7	43	4	1	3	55	15
PS 160	2.4	20820	1	1	132	.1	13	5140	.1	16	849	51010	10060	6	16400	215	11	1000	1	590	8	1	13	1	3115	136.3	41	3	3	5	72	25
PS 161	.2	6510	1	1	201	.1	2	8560	.1	17	32	50520	1800	3	5410	301	1	730	1	1190	17	1	31	1	151	80.1	35	1	1	2	44	10
PS 162	.9	19670	4	1	34	.1	6	25480	.1	51	406	61590	1880	6	10460	883	1	110	1	1160	18	1	37	1	589	60.7	29	2	1	3	69	5
PS 163	.6	13600	8	1	42	.1	5	12630	.1	6	10	25570	1120	10	12020	339	2	300	1	1050	11	1	21	1	955	49.8	41	5	1	4	74	5
PS 164	.3	20760	3	1	39	.1	4	20160	.1	14	32	42420	1710	9	19890	661	1	350	1	770	12	1	22	1	460	83.1	48	4	1	3	57	5
PS 165	.5	20920	1	1	220	.1	8	16770	.1	25	16	54840	580	10	26740	1466	1	760	1	790	16	1	27	1	1620	171.9	101	2	2	5	80	5

COMP: KENNECOTT CANADA
PROJ: 02-399 P.O.626-01
ATTN: S.BISHOP/J.MARR/H.SMIT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0549-RJ1+2
DATE: 91/09/04
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-WET PPB
PS 166	3.1	4210	72	1	55	.1	1	5300	.1	2	449	4520	1150	3	1380	258	4	20	2	190	33	6	10	1	31	6.8	18	1	1	2	60	10
PS 167	1.1	4870	41	1	42	.1	1	16760	.1	1	170	3730	1830	5	2610	312	7	60	3	340	13	1	26	1	29	9.4	16	1	1	3	83	5
PS 168	.9	4900	29	1	45	.1	1	5370	.1	1	170	3920	1740	3	1640	278	8	20	2	300	20	6	21	1	24	8.9	27	1	1	3	71	10
PS 169	.1	6840	16	1	35	.1	2	4450	.1	5	20	15700	890	4	4570	486	3	730	2	230	10	1	8	4	90	15.8	35	4	1	8	188	5
PS 170	11.3	5360	797	1	225	.1	1	6680	1.3	2	2713	7090	1920	3	1830	529	5	30	5	390	165	86	17	1	23	6.4	143	1	1	3	63	5
PS 171	22.6	6150	955	1	84	.1	1	4760	4.8	1	3131	5810	2260	4	1440	299	24	40	5	400	163	101	27	1	24	9.5	234	2	1	4	84	20
PS 172	1.0	13910	23	2	706	.1	3	62350	.1	13	86	28280	3360	3	31560	865	1	1590	9	8110	16	1	308	1	249	144.9	41	1	1	4	82	5
PS 173	3.2	4440	108	1	62	.1	1	3410	.1	1	513	3820	1740	3	830	320	3	30	4	370	52	12	12	1	19	5.6	26	1	1	4	107	5
PS 174	6.8	4100	342	1	107	.1	2	1420	.1	2	177	6290	1980	2	480	177	51	30	1	260	117	151	12	1	17	5.7	64	1	1	3	69	5
PS 175	3.8	4600	245	1	389	.1	1	2580	.1	3	1901	5700	1840	3	590	478	8	30	5	350	32	7	16	1	16	5.4	60	1	1	3	82	10
PS 176	.1	3230	15	1	30	.1	1	940	.1	1	28	3320	1630	1	300	81	7	20	3	300	13	4	16	1	19	6.8	14	1	1	2	58	5
PS 177 -	.3	11730	7	1	41	.1	3	24720	.1	8	17	26680	1750	10	9850	1111	1	490	3	880	15	1	15	1	232	54.7	88	5	1	3	64	5
PS 178	2.6	26280	1	1	26	.1	25	18670	.1	37	257	75920	660	10	33590	1336	1	330	8	1500	3	1	33	1	6468	273.4	101	1	5	5	50	5
PS 179	.3	3130	19	1	64	.3	1	11670	.1	2	9	6630	1120	1	4730	243	1	370	7	280	10	1	24	4	23	5.7	29	2	1	3	60	5
PS 180	.4	11160	8	1	47	.1	3	16530	.1	10	18	24110	1540	9	8890	709	1	250	3	1130	16	1	22	1	358	53.4	57	4	1	3	52	5
78801	1.2	11220	4	1	228	.1	6	7980	.1	14	1411	27520	6620	5	11440	191	5	540	4	1150	9	1	15	1	1714	76.0	42	3	2	5	85	5
78802	1.8	20150	63	1	271	.1	12	6610	.1	21	1546	43460	13260	5	16930	334	18	1200	1	900	7	1	19	1	3387	174.8	48	2	3	4	32	10
78803	1.7	16520	1	1	189	.1	12	9000	.1	19	1718	41520	8510	8	15220	363	3	1040	1	990	8	1	20	1	3313	136.8	49	2	2	5	63	40
78804	1.6	18420	1	1	342	.1	11	9340	.1	18	1497	40720	8590	8	16230	388	7	1050	1	1070	10	1	22	1	2970	134.5	54	2	3	5	63	10
78805	1.4	16500	1	1	255	.1	12	7540	.1	18	1090	44410	7970	7	13750	389	8	1240	1	1030	9	1	20	1	3165	142.5	50	2	2	5	61	30
78806	1.2	10200	2	1	194	.1	7	6650	.1	13	781	28350	4620	5	10050	376	5	540	1	1140	10	1	14	1	1858	76.9	46	3	1	4	65	5
78807	1.3	11230	9	1	171	.1	6	5740	.1	12	1297	23190	4420	5	9450	249	22	560	1	1020	13	1	15	1	1237	65.6	42	4	1	6	102	50
78808	1.3	12000	8	1	354	.1	5	5540	.1	13	2095	26550	4180	7	10650	197	6	440	1	1050	11	1	18	1	1348	70.3	33	4	1	4	70	20
78809	.7	8890	19	1	242	.1	5	11660	.1	10	696	31340	3740	5	9600	167	3	510	1	1070	11	1	19	1	879	63.4	31	4	1	5	102	5
78810	1.0	12990	4	1	225	.1	6	8270	.1	12	561	26900	3180	7	11410	211	12	390	1	1130	8	1	16	1	1361	69.3	28	4	1	4	62	5
78811	.7	10340	4	1	155	.1	6	5890	.1	12	458	24680	3500	4	10050	220	7	380	1	1120	9	1	12	1	1415	68.4	26	4	1	3	52	5
78812	.9	15930	1	1	81	.1	8	12570	.1	25	1204	53150	4120	12	15330	199	18	960	1	1040	13	1	27	1	2225	126.9	24	3	2	3	31	10
78813	.1	4440	8	1	19	.1	1	12870	.1	5	94	31370	2050	2	4410	222	1	390	1	1020	13	1	13	1	108	33.1	23	2	1	2	46	5
78814	.2	3820	10	1	124	.1	1	23970	.1	4	22	24240	2270	1	3180	278	1	340	1	980	10	1	25	1	59	32.2	14	2	1	2	36	5
78815	1.3	19140	1	1	204	.1	10	22690	.1	14	344	45200	1280	11	20040	437	1	1500	1	840	9	1	75	1	2263	131.0	36	2	2	4	47	5
78816	2.4	15570	149	1	91	.1	6	8200	.1	19	910	30160	7780	4	15350	344	45	760	1	760	13	1	18	1	1432	105.1	78	4	2	4	19	5
78817	2.9	20650	1	1	118	.1	4	11260	.1	23	1164	39500	7650	5	16690	534	58	1270	1	1090	10	1	28	1	1300	124.9	106	3	1	3	33	5
78818	7.9	19700	22	1	268	.1	3	11500	.1	17	1275	43120	5190	5	14690	515	80	1290	1	1030	116	26	38	1	942	130.0	166	3	1	3	19	1350
78819	2.7	16090	21	1	51	.1	5	5900	.1	12	1140	26340	7380	4	13190	403	138	920	1	720	13	1	18	1	1291	94.9	142	4	2	3	31	40

ASSAYED

COMP: KENNECOTT CANADA
PROJ: 02-399
ATT#: J.MARR/S.BI /H.SMIT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH V/ IVER, B.C. V7M 1T2
(604)980-5814 OR (...)985-4524

FILE NO: 1793-RJ1+2
DA . 91/09/23
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB
78826	3.8	2020	429	6	80	.1	4	2590	1.0	2	1251	6120	970	1	440	507	7	40	5	310	83	35	10	1	16	4.5	65	1	1	2	48	21
78827	4.2	3770	331	5	89	.1	4	2860	.1	2	1157	5760	1480	2	570	410	9	60	5	280	48	31	8	1	15	3.6	50	1	1	3	69	17
78828	8.7	4810	667	6	91	.2	6	3920	2.0	3	2455	7070	1510	3	830	521	10	40	7	320	218	86	26	1	22	6.3	100	2	1	4	96	40
78829	4.6	4630	242	5	90	.1	3	3040	.5	3	892	6570	1390	3	700	606	9	40	5	320	68	27	9	1	18	5.6	51	2	1	3	67	21
78830	5.2	6240	215	5	100	.2	3	2760	.1	2	1117	6730	1840	3	990	405	5	110	6	350	51	18	11	1	34	7.9	45	2	1	5	104	12
78831	2.8	4470	151	3	218	.1	2	3120	.1	3	797	7190	1380	3	1210	362	28	90	5	280	139	18	10	1	78	11.1	42	1	1	4	83	10
78832	3.6	5000	303	4	111	.2	7	3910	6.6	2	3127	7220	1840	4	820	721	6	40	9	360	41	34	12	1	16	5.5	209	1	1	5	102	100
78833	3.4	4450	267	4	85	.1	5	2510	2.4	2	2252	5620	1830	2	450	563	4	40	6	310	68	29	11	1	15	4.4	139	2	1	4	85	43
78834	8.0	4890	607	4	98	.2	6	5590	2.1	2	2520	5850	2090	2	1410	489	9	50	7	330	118	86	11	1	21	5.7	119	3	1	5	115	15
78835	9.7	5290	783	4	74	.2	6	7880	.1	2	3152	6460	2160	2	2360	551	8	50	5	330	66	55	13	1	20	6.4	96	3	1	4	78	17
78836	8.4	7780	975	6	112	.2	7	5600	.1	3	3272	6610	2490	4	1540	325	21	50	7	370	109	99	16	2	25	6.8	125	3	1	5	109	31
78837	21.5	4370	2652	4	103	.2	15	8650	19.5	4	9862	12480	1590	2	2710	806	20	50	5	270	938	263	16	1	15	13.6	483	2	1	5	81	118
78838	8.6	9370	424	6	331	.3	7	7030	.1	3	3205	7460	2590	4	2830	543	6	120	7	470	47	33	26	2	22	10.4	69	4	1	6	126	31
78839	6.6	6100	353	3	408	.2	5	7390	.1	2	2641	5950	1820	2	2650	643	5	50	5	340	33	18	20	1	16	7.3	48	3	1	4	73	37
78840	1.6	5420	97	3	55	.1	2	2440	.1	3	504	7900	1890	3	1100	252	17	90	4	280	39	24	10	1	99	10.0	44	1	1	4	94	26
78841	.4	7060	62	8	104	.2	2	5060	.1	4	170	16640	1900	4	520	932	105	40	4	770	15	5	23	1	31	25.7	78	2	1	1	22	30
78842	.5	5090	47	22	144	.1	1	8330	.1	4	127	12010	2220	1	1460	498	1106	50	2	720	11	3	15	1	20	21.2	57	4	1	4	84	17
78843	5.2	4760	399	4	66	.2	3	9230	.1	2	1670	5800	1650	3	3420	451	15	40	5	360	39	18	16	1	10	4.9	55	4	1	3	66	19
78844	7.7	4380	418	3	61	.2	4	9840	1.1	8	1972	9210	2120	2	3620	628	8	50	5	280	77	83	20	1	19	9.9	136	3	1	4	86	31
78845	7.1	3550	474	3	147	.1	4	4780	.5	4	1839	4960	1740	1	1220	446	3	40	5	80	122	99	9	1	11	3.0	105	3	1	3	63	20
78847	.1	10640	25	13	61	.1	4	19870	.1	9	35	46240	5320	3	5530	748	1	290	1	2000	19	2	34	1	482	164.0	106	2	1	2	5	1
78848	1.3	16260	14	7	48	.1	18	16980	.1	18	86	55320	2010	16	19130	769	1	990	2	1730	18	1	31	1	3544	163.8	101	2	2	4	39	7
78849	5.9	4330	311	3	74	.1	7	6990	.1	2	3074	6450	2150	1	2560	409	2	60	5	350	29	10	13	1	28	9.2	55	2	1	3	65	14
78850	2.0	4590	205	3	115	.2	2	3110	.1	2	788	4820	1660	2	710	286	4	60	4	330	32	14	11	1	26	5.1	43	2	1	3	59	5
78851	1.5	3060	70	1	46	.1	1	2270	.1	1	355	4090	1280	1	370	296	9	40	2	240	29	9	5	1	18	4.7	34	1	1	2	51	12
78853	1.0	4930	61	4	52	.2	1	11810	.1	3	340	7680	1820	2	870	296	25	170	5	1020	15	6	19	1	36	35.4	49	2	1	3	57	5
78854	2.0	4860	175	3	68	.2	4	6950	.1	4	1253	10040	1890	1	2760	252	49	360	7	1010	15	5	17	1	207	43.4	41	3	1	3	40	40
78855	1.1	4890	52	5	48	.1	2	20400	.1	6	405	16700	1380	4	510	464	85	30	1	900	8	2	19	1	19	30.2	81	1	1	1	13	3
78856	.5	12430	4	4	47	.1	9	4820	.1	22	2641	60400	3070	3	8290	152	25	530	1	750	10	1	8	1	1193	84.8	38	3	1	3	30	2
LEN CH 143	.3	11980	15	6	31	.1	3	11210	.1	8	25	31290	740	20	4280	557	1	520	1	1370	14	1	13	1	50	34.2	65	2	1	3	60	2
LEN CH 144	.6	8760	12	3	15	.1	1	11360	.1	5	12	24750	420	14	3190	459	1	530	1	1360	10	1	12	1	48	29.1	47	2	1	3	55	1
LEN CH 145	.2	14950	8	4	58	.1	4	10940	.1	10	30	33560	1690	27	4740	629	1	440	2	1180	15	1	14	1	35	32.1	77	1	1	3	49	5

COMP: KENNECOTT CANADA
PROJ: 92-399
ATTN: J.MARR/H.SMIT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0795-SJ1
DATE: 91/09/25
• SOIL • (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-WET PPB
LINE 1 STN KS 4W	.7	10160	39	16	94	.4	2	2670	.1	7	12	21330	340	12	2750	146	2	120	4	290	12	1	10	1	297	52.7	62	1	1	2	13	10
LINE 1 STN KS 3W	.7	12440	38	14	117	.3	3	4920	.1	10	24	24940	480	13	5120	384	13	150	6	540	15	1	16	1	390	58.5	50	2	1	2	14	5
LINE 1 STN KS 2W	.8	12870	27	12	132	.3	3	4690	.1	6	8	15850	440	14	4050	175	26	160	2	150	10	1	15	1	430	50.2	34	3	1	2	11	10
LINE 1 STN KS 1W	.4	14830	21	9	94	.2	2	3200	.1	8	12	27960	610	14	2910	285	2	110	5	1700	14	1	13	1	380	57.2	99	1	1	2	15	5
LINE 1 STN KS 0N	1.8	15790	26	9	117	.2	4	3560	.1	12	37	44590	610	19	4420	418	11	530	1	1480	24	1	13	1	680	107.8	224	2	1	2	14	5
LINE 1 STN KS 1S	.3	15040	28	8	113	.4	3	2740	.1	10	49	32270	500	11	4210	273	1	120	7	800	16	1	14	1	433	66.9	61	2	1	2	17	5
LINE 1 STN KS 2S	.4	15010	21	7	99	.2	3	2300	.1	8	20	33140	540	16	2590	326	7	110	1	1460	14	1	12	1	484	76.5	94	1	1	2	14	10
LINE 1 STN KS 3S	.3	14470	22	6	110	.3	2	3180	.1	10	18	29770	560	14	3600	376	1	110	6	900	12	1	13	1	499	64.3	88	1	1	1	16	5
LINE 1 STN KS 4S	.2	16370	12	5	110	.2	2	2400	.1	7	16	25580	480	11	2780	328	1	110	5	960	11	1	12	1	419	62.6	80	1	1	2	12	5
LINE 2 STN KS 4N	.3	15390	12	5	121	.1	3	2990	.1	8	14	27030	440	11	2720	160	1	130	4	830	11	1	13	1	598	64.5	76	1	1	2	13	10
LINE 2 STN KS 3N	.8	21630	16	6	218	.3	3	6180	.1	9	26	32290	1140	19	4820	646	7	170	6	740	16	1	23	1	593	76.8	114	2	1	2	19	5
LINE 2 STN KS 2N	.3	22440	20	6	143	.3	4	3330	.1	11	38	38030	860	18	3720	387	1	140	3	2480	18	2	18	1	761	77.1	163	1	1	2	17	15
LINE 2 STN KS 1N	.6	21800	23	6	157	.2	4	3170	.1	12	21	35070	920	16	4260	342	1	160	7	1380	15	2	17	1	831	74.9	147	2	1	2	18	5
LINE 2 STN KS 0N	.5	22350	31	5	158	.1	3	3080	.1	10	28	37430	680	17	4570	280	2	160	6	1010	18	2	16	1	681	79.1	114	2	1	2	18	20
LINE 2 STN KS 1S	.5	25060	20	6	149	.2	4	3110	.1	13	30	44730	720	24	5590	490	1	130	1	2390	22	1	15	1	655	107.4	197	3	1	2	17	5
LINE 2 STN KS 2S	.1	18730	22	4	148	.3	3	2610	.1	12	20	37490	540	14	5450	338	1	110	6	750	16	1	10	1	418	79.4	137	2	1	2	14	5
LINE 2 STN KS 3S	.5	14000	18	4	115	.2	2	4160	.1	9	26	30360	500	10	4400	318	1	130	5	800	9	1	16	1	481	66.2	60	2	1	2	16	25
LINE 3 STN KS 4W	.2	20850	20	4	121	.2	3	2550	.1	12	20	35850	550	16	4130	520	1	120	6	1620	18	2	13	1	439	71.0	106	2	1	2	17	5
LINE 3 STN KS 3N	.2	24720	21	5	176	.4	4	3260	.1	14	29	35250	660	15	4090	310	1	120	15	1080	17	3	15	1	430	68.1	108	2	1	2	18	5
LINE 3 STN KS 2N	.6	16270	13	4	147	.1	3	3450	.1	10	36	34830	740	17	2630	597	1	130	1	1330	19	1	14	1	541	89.3	108	2	1	2	16	10
LINE 3 STN KS 1N	.5	16690	11	3	156	.3	3	2990	.1	7	25	24110	500	11	3770	172	1	120	6	500	13	1	13	1	444	55.2	58	2	1	2	14	5
LINE 3 STN KS 0N	.6	11200	12	2	118	.1	2	3430	.1	5	16	18350	480	8	3570	157	1	130	5	400	8	1	14	1	353	44.2	36	3	1	1	12	5
LINE 3 STN KS 1S	.4	17170	17	4	125	.3	3	2630	.1	8	19	27540	650	13	3520	205	1	130	6	880	14	1	13	1	502	60.0	83	2	1	2	15	5
LINE 3 STN KS 2S	.6	12460	13	3	128	.1	2	3740	.1	7	18	23990	500	9	3550	187	1	130	5	600	11	1	15	1	455	56.1	53	2	1	2	14	5

COMP: KENNECOTT CANADA
PROJ: 02-399
ATTN: J.MARR/H.SMIT

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0794-SU1
DATE: 91/09/25
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-WET PPB
832 A	.8	17810	181	19	194	.7	5	8520	.1	20	84	42920	950	18	6990	1023	1	370	12	1050	24	4	29	2	564	83.6	87	2	1	3	23	5
832 B	.4	18250	59	11	201	.4	3	7570	.1	18	87	44710	900	15	7280	1153	1	340	19	1040	27	2	29	1	466	86.3	89	2	1	3	28	5
832 C	.5	20310	25	5	137	.3	3	2900	.1	12	22	31970	650	15	3280	504	1	180	19	2230	18	1	15	1	422	63.9	142	2	1	2	18	5
843 A	.9	11690	75	5	116	.1	4	16760	.1	14	207	33660	790	11	5500	1214	2	270	16	1010	25	4	31	1	518	67.0	102	3	1	2	17	10
843 B	.5	15080	26	4	154	.2	4	8040	.1	17	90	37980	930	11	6820	1339	1	310	21	1820	25	1	29	1	462	74.7	85	3	1	2	19	5
843 C	.4	14660	22	1	114	.2	2	2880	.1	10	20	28310	460	12	3620	336	1	140	8	1030	16	1	11	1	299	56.8	80	2	1	2	16	10
847 A	.7	11700	22	2	116	.2	2	18080	.1	14	52	32730	830	10	6180	1120	1	230	14	1000	24	1	32	1	370	59.8	77	3	1	2	16	35
847 B	.9	12840	25	1	146	.1	3	21150	.1	14	70	34120	880	10	7250	1072	1	270	13	990	22	1	36	1	435	66.1	75	4	1	2	17	10
847 C	.2	17020	26	2	226	.3	3	7950	.1	15	90	41980	870	11	6520	1221	1	230	30	970	24	1	27	1	354	74.6	93	3	1	2	21	5
847 D	.7	11790	16	1	109	.1	2	3250	.1	8	19	24750	510	9	3350	348	1	470	6	640	16	1	12	1	320	55.6	58	3	1	1	14	5
848 A	.7	15240	21	2	179	.2	3	17070	.1	15	71	36980	1250	12	7140	1063	1	560	15	1030	27	1	35	1	517	71.6	94	3	1	2	20	5
852 A	.8	15140	17	2	161	.2	4	19460	.1	14	52	35650	1320	12	9140	960	1	610	14	1020	24	1	46	1	536	72.8	77	4	1	2	21	5
855 A	.7	12260	22	1	188	.1	3	17000	.1	13	39	34530	920	10	6740	1066	1	550	12	980	21	1	35	1	478	66.8	76	3	1	2	18	5
855 B	.2	18660	33	1	174	.1	2	4010	.1	12	20	33320	490	13	4650	408	1	170	10	2080	19	1	18	1	401	68.6	107	3	1	2	20	5
856 A	.2	15960	19	1	136	.1	2	3390	.1	10	21	31920	500	10	4170	272	1	130	9	990	17	1	15	1	305	61.6	66	2	1	2	17	5
857 A	.7	11820	19	1	167	.1	3	18200	.1	13	36	33780	860	9	8080	929	1	260	13	1090	23	1	40	1	387	62.2	75	4	1	2	19	10
857 B	.8	15560	17	1	186	.1	4	4870	.1	10	19	32150	770	13	4120	790	1	150	9	1230	18	1	20	1	501	69.4	99	3	1	2	17	10
859 A	.8	16970	21	1	164	.1	6	16020	.1	20	633	42300	2480	9	10190	974	14	310	7	980	20	2	29	1	878	87.3	70	4	1	2	19	5
860 A	.5	17490	25	2	197	.1	6	14630	.1	22	589	49920	2230	9	9670	1075	14	400	7	1050	25	1	30	1	946	94.7	76	3	1	2	19	5
860 B	.4	17210	14	1	213	.1	3	4530	.1	11	37	31520	860	11	5040	402	1	150	11	1090	18	1	27	1	525	62.1	83	3	1	2	19	5

MIN-EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

1S-0549-RA1

Company: KENNECOTT CANADA
Project: 02-399 P.O.626-01
Attn: S.BISHOP/J.MARR/H.SMIT

Date: SEP-04-91
Copy 1. KENNECOTT CANADA, VANCOUVER, B.C.
2. KENNECOTT CANADA, TELKWA, B.C.

We hereby certify the following Assay of 1 ROCK samples submitted AUG-24-91 by HANS SMIT.

Sample Number	AU g/tonne	AU oz/ton
78818	1.84	.054

Certified by _____

MIN-EN LABORATORIES

APPENDIX 4

EXPLORATION METHODS

EXPLORATION METHODS:

Excavator Sampling:

A John Deere skidder with a rear-mounted excavator operated and owned by a skilled prospector was directed by the geologist-prospector team. The excavator bucket was 0.6m in width. The equipment was employed to get bedrock samples wherever possible in the target areas. Total depth of penetration on a first-pass basis was 5 to 6 metres. Where, during excavation no bedrock was encountered, a sample or series of samples of the soil and overburden profiles were taken.

Bedrock samples were broken free and raised to the surface in the bucket. The samples were collected, examined and a representative sample for analysis was placed in large 6mm thickness plastic bags. Samples shipped to the laboratory ranged from 8 to 15 kg.

The trenches were re-filled, tamped and grass seeded in all but one case. This trench, along the road edge in the Suratt Showing area, was left open for extension and further examination.

The excavator operator was attended by a geologist or sampling assistant.

Rock-Chip Samples:

These samples, intended generally for geochemical, multi-element analysis, were taken from the outcrops or float boulders. Representative samples of between 0.3 and 2.5 kg were selected and comprised chips of between 50 and 200 g in weight. They were placed in previously labelled kraft paper bags and shipped for analysis.

Larger Rock Samples:

These samples, which averaged 10 kg, were taken from trenches or from outrcop, and were generally semi-continuous samples. Marked sample channels were approximately 10-15 cm wide and no longer than 3 m. The chips were place in labelled heavy-duty plastic bags, labelled and shipped for analysis.

+6074000

JAKE 1

JAKE 3

JAKE 5

JAKE 2

JAKE 4

JAKE 6

JAKE 7

JAKE 9

JAKE 8

WEST ZONE

EAST ZONE

SURATT SHOWING

MOLY STWK ZONE

JACOB ZONE

ACCESS ROAD

TO FULTON LAKE

NORTH ROAD

HWAY

GRANISLE

LENNAC LAKE

BABOON LAKE

3100

3000

3200

3300

+6066000

668000

GEOLOGICAL LEGEND

- 4 PORPHYRY DYKES
- 3 UNDIFFERENTIATED VOLCANIC AND MINOR SEDIMENTARY ROCKS
- 2 GREY-GREEN VOLCANICS- MOSTLY FELDSPATHIC MASSIVE TUFFS, BRECCIAS, FLOWS
- 1 RED-PURPLE VOLCANICS- MOSTLY TUFFS, BRECCIAS

GEOLOGICAL CONTACT

EXTENT OF PYRITE HALO

MINERALIZED ZONE

SYMBOLS

ROAD

4X4 ROAD

3100 CONTOUR (100 ft interval)

STREAM

LAKE

CLAIM BOUNDARY

LEGAL CORNER POST

1974 DRILL HOLE

GRID

SCALE 1 : 25000

0 500 1000 1500 2000 2500

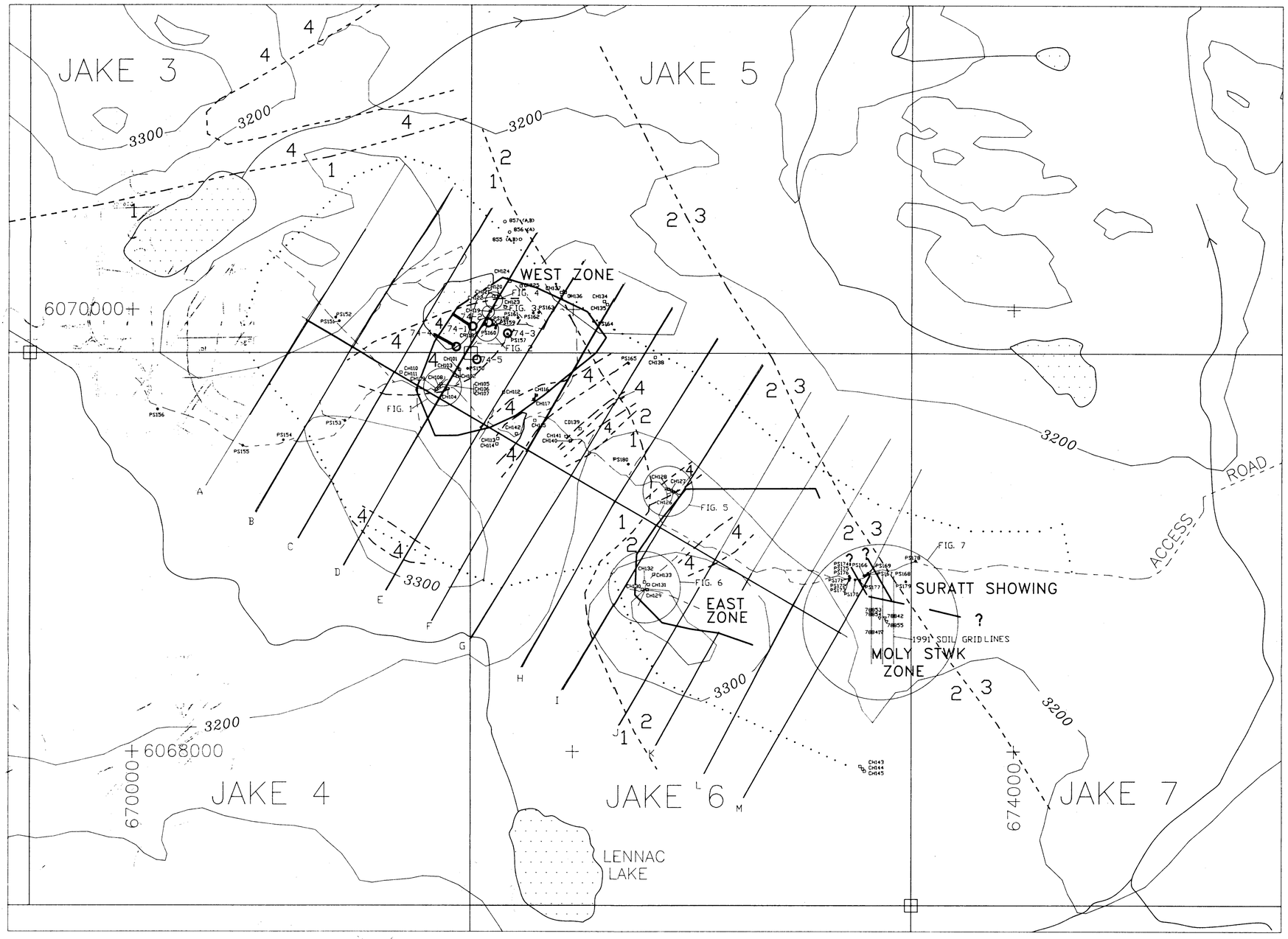
metres

Kennecott Canada Inc.

LENNAC LAKE

Geology and Mineralization

DATE Feb.'92 MAP 2



0 500 1000 1500 2000 2500

metres

GEOLOGICAL LEGEND

- 4 — PORPHYRY DYKES
- 3 — UNDIFFERENTIATED VOLCANIC AND MINOR SEDIMENTARY ROCKS
- 2 — GREY–GREEN VOLCANICS– MOSTLY FELDSPATHIC MASSIVE TUFFS, BRECCIAS, FLOWS
- 1 — RED–PURPLE VOLCANICS– MOSTLY TUFFS, BRECCIAS

GEOLOGICAL CONTACT

EXTENT OF PYRITE HALO

MINERALIZED ZONE

SYMBOLS

4X4 ROAD

3100 — CONTOUR (100 ft interval)

STREAM

LAKE

CLAIM BOUNDARY

LEGAL CORNER POST

1974 DRILL HOLE

I.P. GRIDLINE (Bold line indicates refurbishment in 1991)

MAPPING SAMPLES, SOME NOT ANALYSED

GRAB SAMPLE

SOIL SAMPLE FROM TRENCH

10 Kg. ROCK CHIP SAMPLE

FIG. 4 — FOR 10 Kg. ROCK CHIP DETAILS SEE DETAILED SKETCH PLAN INDICATED

Kennecott Canada Inc.

LENNAC LAKE

Sample Locations

DATE Feb.'92 **MAP** 3

GEOLOGICAL BRANCH ASSESSMENT REPORT

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