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Geological and Geochemical Summary

Report on the Story 3 and 4 Claim Group,

Skeena Mining Division,
British Columbia

SUB-RECORDER
RECEIVED
JAN 31 1991
M.R. # ..... $.....
VANCOUVER, B.C.

N.T.S. 104 B/9W

Longitude: 130°28' West
Latitude: 56°33' North

For

Ecstall Mining Corporation
Omega Gold Corporation
#307 - 475 Howe St.
Vancouver, B.C.
V6C 2B3

January, 1991

Rick Walker, M.Sc.
International Kodiak Resources Inc.

ASSESSMENT REPORT

20,907

.c:33108()

SUMMARY

The Story 3 and 4 claim Group is located at the confluence of the Unuk River and Coultier Creek in the Skeena Mining Division on N.T.S. mapsheet 104 B/9W at longitude 130 28' West, latitude 56 33' North. The Story 3 and 4 claims were staked in November 1988 and consist of 20 units jointly held by Ecstall Mining Corp. (50%) and Omega Gold Corp. (50%). The claims are located 7 kilometres south of Calpine Resources'/Stikine Resources' Eskay Creek gold project. At present the property is accessible only by helicopter, however, initial construction has begun on an access road from Bob Quinn Lake to the Unuk River area.

The Story 3 and 4 claim block is underlain by volcanic and sedimentary rocks of the Lower to Middle Jurassic Hazelton Group. These lithologies form the principal host rocks for some of the major deposits in the area, such as the Eskay Creek, Snip and Reg.

Initial groundwork was carried out in 1989 by crews of Nicholson and Associates, consisting of reconnaissance geochemical silt and soil surveys. Anomalous values were obtained and followed up in 1990 by crews of International Kodiak Resources. A brief geochemical program was carried out including geochemical soil sampling along a grid on Story 4; prospecting and geological mapping of the Story 3 claim. In addition, a legal survey was carried out on the Story 3 and 4 claim group. A total budget of $30,533.10 was spent on the Story 3 and 4 claim group; $24,141.10 for the geochemical program and $6,392.00 on the legal survey.

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T.K.

LIST OF FIGURES

INTRODUCTION

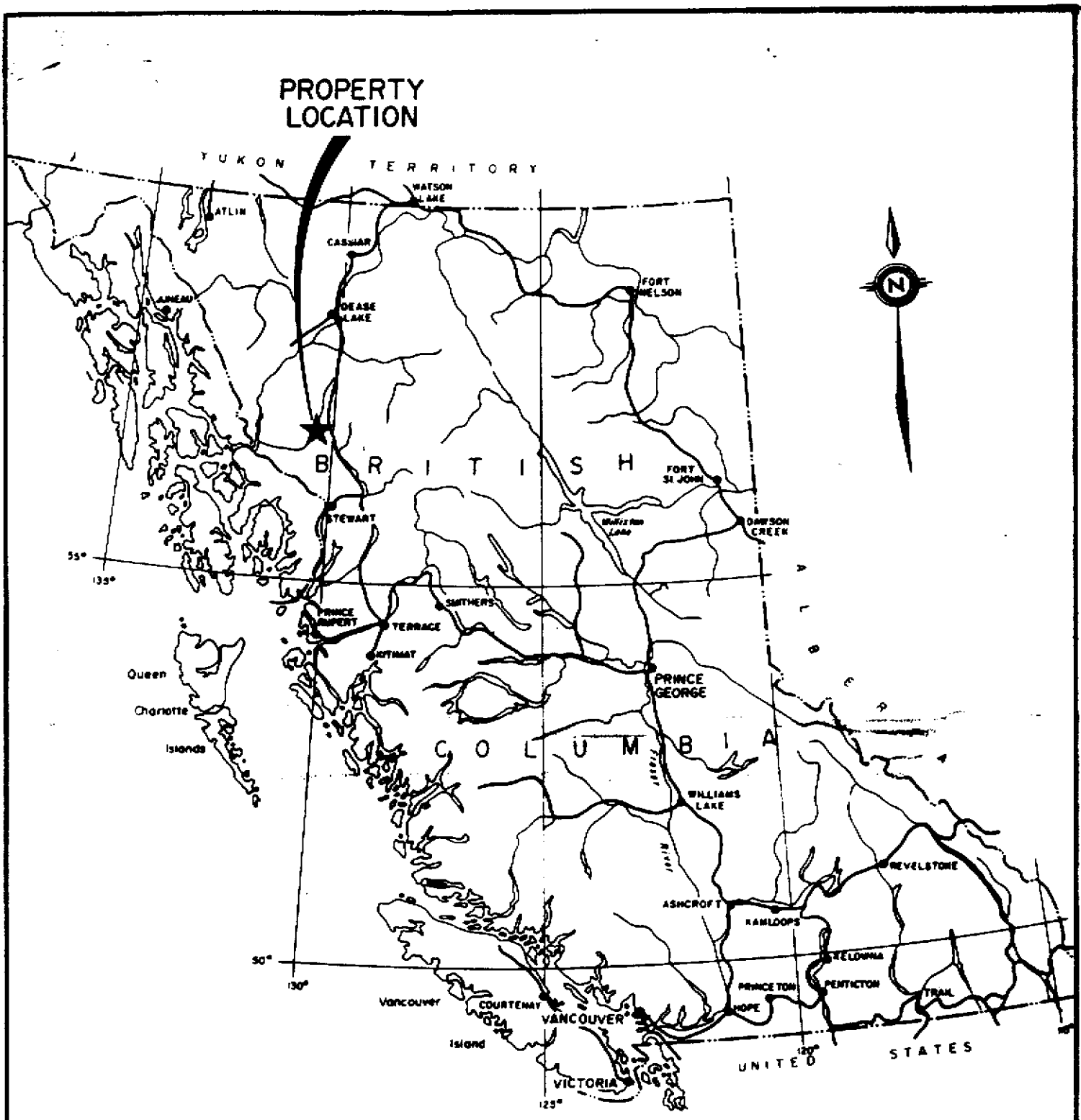
The Story 3 and 4 claim blocks and consists of 20 units jointly owned by Omega Gold Corp. (50%) and Ecstall Mining Corp. (50%). The claims are 7 kilometres south of Stikine Resources'/ Calpine Resources' Eskay Creek deposit.

Initial groundwork carried out by crews of Nicholson and Associates on the claims in 1989 consisted mainly of reconnaissance geochemical silt and soil surveys. This work was followed up by a detailed geochemical soil survey which outlined several soil geochemical anomalies with values up to 3.3 ppm silver, 40 ppm arsenic, 153 ppm copper and 10 ppb gold. These values are coincident with the inferred Lower to Middle Jurassic Mt. Dilworth/Betty Creek Formation contact which has been the target for much of the exploration on Calpine Resources'/Stikine Resources' Eskay Creek gold project.

A brief geochemical program was carried out on the Story 3 and 4 claim blocks in 1990 by crews of International Kodiak Resources. The program included geochemical soil sampling along a grid on the northern block; silt, soil and rock sampling, propecting and geological mapping of the southern block. In addition, a legal survey was completed on the property during the 1990 field season.

LOCATION AND ACCESS

The Story 3 and 4 claim blocks are situated at longitude 130°28' West, latitude 56°33' North, within the Skeena Mining Division (see Figure 1). The properties are south of the Iskut River, east of the Unuk River and 7 kilometres south of Calpine Resources'/Stikine Resources Eskay Creek gold project. More specifically, the claims are located at the confluence of the Unuk River and Coultier Creek on N.T.S. mapsheet 104 B/9W. The properties are accessible by helicopter from the Kodiak Camp, just east of the Iskut River. It is approximately 30 kilometres from Kodiak Camp to the Story 3 and 4 claim block.



OMEGA / ECSTALL

STORY 3 , STORY 4

LOCATION MAP

SKEENA M.D., B.C.

NICHOLSON & ASSOCIATES

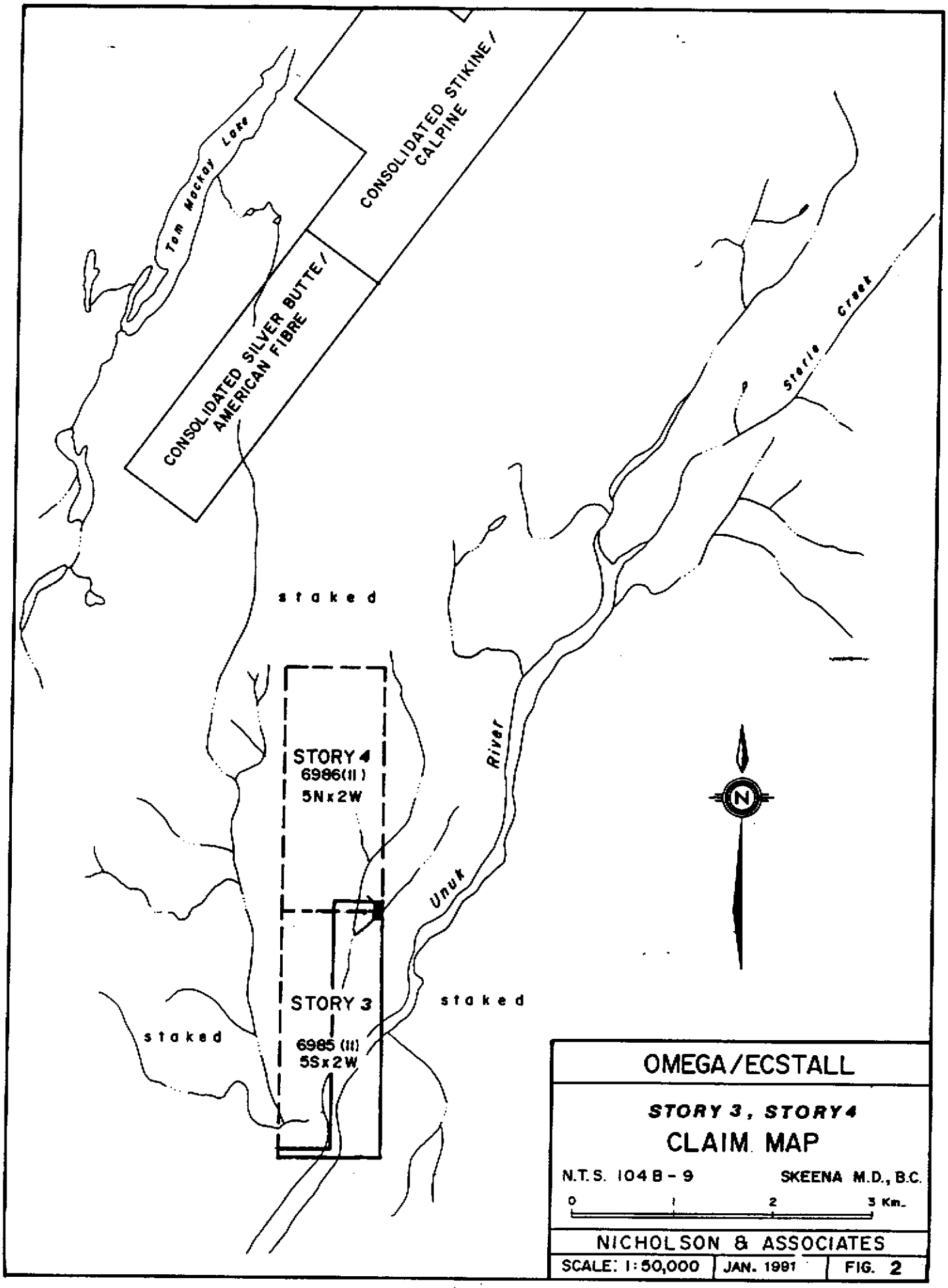
Drawn. J.W.	Date. NOV. 1989	FIGURE 1
Scale.	N.T.S. 104 B10	

CLAIM STATUS

The claim block consists of the Story 3 and 4 claims and was staked in November of 1988 for Chris Graf in accordance to the new modified grid system. These claims were later transferred to Ecstall Mining Corp. and Omega Gold Corp. which together hold the claims on a 50/50 basis (Appendix I). The claims have since been grouped as the Coul Group. Listed below is the pertinent claim information:

CLAIM	UNITS	RECORD #	EXPIRY DATE*
Story 3	10	6985	Nov. 12/94
Story 4	10	6986	Nov. 12/93

*After filing the 1990 work for assessment purposes.


CONSOLIDATED STIKINE / CALPINE
CONSOLIDATED SILVER BUTTE / AMERICAN FIBRE
Tom Mackay Lake
staked
STORY 4
6986(II)
5N x 2W
STORY 3
6985 (II)
5S x 2W
Unuk River
staked
staked
N
OMEGA / ECSTALL
STORY 3, STORY 4
CLAIM MAP
N.T.S. 104 B - 9
SKEENA M.D., B.C.
0
1
2
3 Km.
NICHOLSON & ASSOCIATES
SCALE: 1:50,000
JAN. 1991
FIG. 2

PHYSIOGRAPHY AND CLIMATE

The Story 3 and 4 claim block is situated in the Boundary Ranges of the Coast Mountains. The property's elevation varies from 300 m (1000 feet) along the Unuk River to 488 m (1600 feet) along ridge tops. The valley walls above the Unuk River are steep and heavily forested with stands of cedar, fir and hemlock. Slide alders and devils club make up much of the undergrowth, especially along gullies. Stream drainages are generally immature and contain only moderate amounts of detritus. Water is plentiful in the form of creeks, small ponds and groundwater seeps.

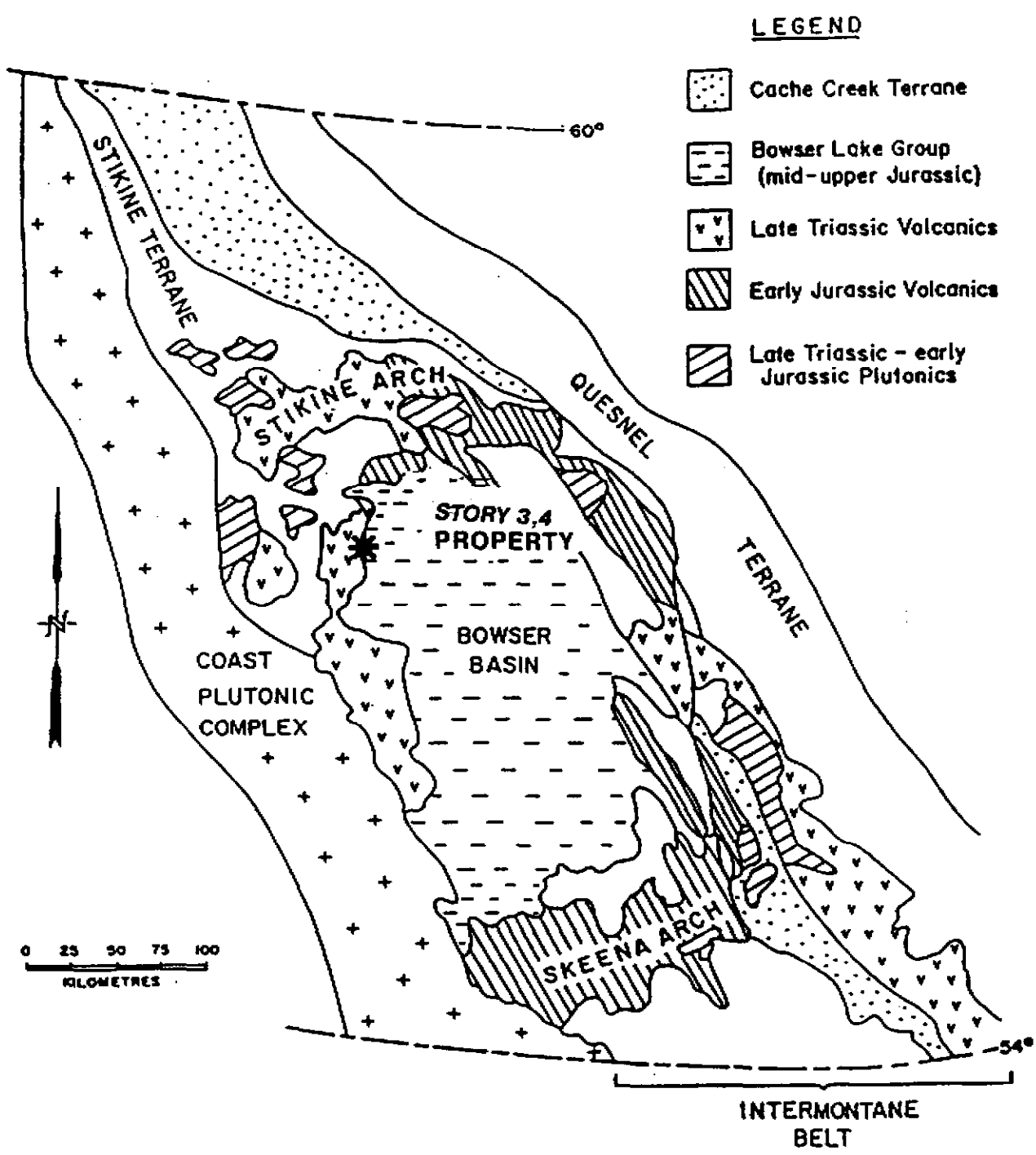
Climatically the Story 3 and 4 claim block is under the influence of coastal weather patterns. The summer weather varies from warm days to cool, wet conditions. Up to 12 m of snow can accumulate during the winter months. Normally, the property is workable from June until late September.

REGIONAL GEOLOGY

The Story 3 and 4 claim block is located near the boundary between the Intermontane Belt and the Coast Plutonic Complex. It is underlain by the Stikine Terrane (Figure 3), a mid-Paleozoic to Mesozoic island arc succession (Grove, 1986). Mesozoic rocks are represented by volcanic rocks of the Upper Triassic Stuhini Group, and the volcanic and subordinate sedimentary rocks of the Lower to Middle Jurassic Hazelton Group (Figure 4). This dominantly volcanic package is interfingered with, and overlain by, Middle to Late Jurassic successor basin sediments of the Bowser Basin.

Two facies have been identified in the Upper Triassic Stuhini Group (Anderson and Thorkelson, 1990): an eastern facies and a western facies. The western facies can be traced from the Stikine River eastward to at least Snippaker Mountain. It is characterized by coralline limestone and polymictic cobble conglomerate overlain by breccia, felsic tuff, shale and micrite. Laminated mafic and felsic tuff with coarse pyroxene phenocrysts are present near the top.

The eastern facies lacks the thick limestone and the felsic tuff units. Orange and black weathering, thin bedded siltstone and fine grained feldspathic, locally calcareous greywacke distinguish this facies. Polymictic pebble to boulder conglomerate and shale are subordinate. Intermediate to mafic



REGIONAL GEOLOGY
BOWSER BASIN
NW BRITISH COLUMBIA

(Outline of terrane boundaries and major rock groups of the Jurassic and Triassic – modified from Thomson, 1985).

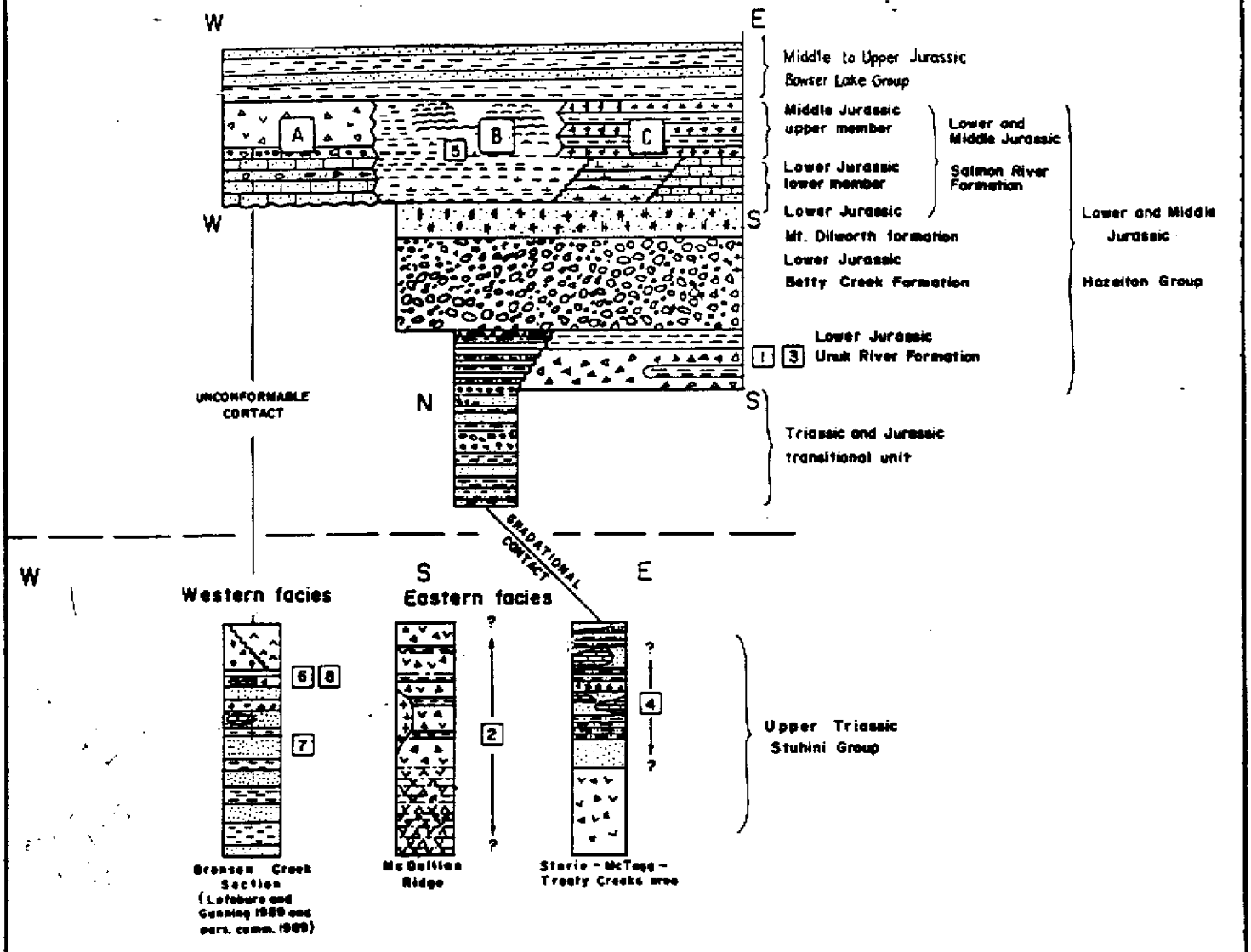
FIG. 3

volcanics, conglomerate and breccia are typical.

A gradational contact between the Upper Triassic Stuhini Group and the Lower to Middle Jurassic Hazelton Group has been mapped near the headwaters of Unuk River (Alldrick and Britton, 1988). Siltstone above the orange and black weathering siltstone and shale becomes more siliceous with increasingly abundant greywacke and conglomerate. The conglomerate is present as discontinuous lenses and consists of clast-supported porphyritic andesite and dacite clasts. The uppermost strata in this transitional zone consists of laminated siliceous siltstone, fine grained greywacke, minor coarser grained greywacke and matrix to clast supported conglomerate.

Mineralization at the Snip deposit is hosted within the Stuhini Group and is believed to have occurred during the Upper Triassic. Several other deposits have been recognized in the Stuhini Group; including the Kerr, the Doc, the INEL and the Stonehouse (Figure 4).

The Hazelton Group has been divided into three heterogeneous formations (Figure 4): the Lower Jurassic Unuk River Formation and Betty Creek Formation and the Lower to Middle Jurassic Salmon River Formation (Anderson and Thorkelson, 1990). In addition, a regional marker unit, the Mt. Dilworth formation, has been identified between the Betty Creek Formation and the Salmon River Formation. Some workers (Grove, 1986) identify a fourth unit, the



LITHOLOGY

- Volcanic breccia
- Intermediate, mixed and mafic tuff
- Felsic tuff, breccia and turbidite (in Eskay Creek facies)
- Pillow lava
- Shale and siliceous shale (in T - J transitional unit and Troy Ridge facies)
- Limy shale and shaly limestone (Eskay Creek facies)
- Limestone
- Sandy limestone in southern lower member of Salmon River formation
- Limy greywacke
- Siltstone siliceous siltstone (in T - J) transitional unit) and wavy laminated siltstone (Stuhini Group)
- Greywacke (feldspathic greywacke in T Bronson Creek section, Stuhini Group)
- Monolithic and heterolithic volcanic conglomerate
- Epiclastic siltstone, greywacke, breccia and conglomerate (Lower Jurassic Betty Creek formation)
- Quartz monzodiorite

SYMBOLS

- A Snippaker Mtn. facies
- B Eskay Creek facies
- C Troy Ridge facies
- / Facies change

MODIFIED AFTER ANDERSON AND THORKELSON (1990)

[8] - Approximate or uncertain stratigraphic position of precious metal veins for: 1. PREMIER 2. DOC 3. SULPHURETS CAMP 4. KERR 5. ESKAY CREEK 6. INEL 7. SNIP 8. STONEHOUSE

From G.S.C. PAPER 90 - 1F

Schematic facies changes in Triassic and Lower and Middle Jurassic strata. Facies changes occur toward the east and northeast for Upper Triassic Stuhini Group and both south to north and east to west for Upper and Middle Jurassic Salmon River Formation in Iskut River map area.

Figure 4

Nass Formation, overlying the Salmon River Formation. However this package of rocks includes Bowser Basin sediments and should not be included in the Hazelton Group which is dominated by volcanic lithologies (Anderson and Thorkelson, 1990).

The volcanic sequences of the Unuk River Formation are characterized by basal pyroclastic flows that are progressively overlain by tuffs, argillites, local andesitic breccia and finally conglomerates with interbedded tuffs, wackes and siltstones. The Betty Creek Formation unconformably overlies the Unuk Formation and is comprised of maroon to green volcanic siltstone, greywacke, conglomerate, breccia, basaltic pillow lavas and andesitic flows. The conglomerate/breccia units consist of matrix-supported, pebble to boulder size clasts of aphanitic to porphyritic andesite fragments. This is overlain by the Mt. Dilworth formation (Alldrick et al., 1989; Anderson and Thorkelson, 1990) a regional marker unit consisting of tuff breccia, felsic tuff and dust tuff. These tuffs are welded to unwelded and aphyric to sparsely phyric.

The lower member of the Salmon River Formation ranges along strike from a limy argillite to limy greywacke to a sandy limestone. In most localities it is too thin to map, but it thickens toward the north and northwest to at least 1500 m of siltstones, greywacke and rare fossiliferous limestones south of Telegraph Creek.

The upper member of the Middle Jurassic Salmon River Formation displays three distinct facies from east to west; the Snippaker Mountain facies, the Eskay Creek facies, and the Troy Ridge facies (Figure 4). The gold deposit presently being defined at Eskay Creek is apparently stratabound in the Eskay Creek facies. This medial facies extends 45-60 kilometres north and south along strike from the deposit. The Eskay Creek facies is composed of aphyric to augite phyric (pillow) basalt with interfingered siltstone, tuffaceous wacke and conglomerate. To the west, the Snippaker Mountain facies consists mainly of volcanic breccia. The eastern Troy Ridge facies comprises shales with interbedded tuffs and breccias (Anderson and Thorkelson, 1990).

At the end of the Middle Jurassic the volcanic complex was uplifted to produce the Stikine Arch. Detritus shed from the exposed Stikine Arch was deposited in the adjacent Bowser Basin, resulting in the Middle and Late Jurassic Bowser Lake Group sedimentary sequences.

These volcanic and sedimentary sequences were subsequently intruded by granitoid intrusions associated with the Coast Plutonic Complex. Intrusive activity is interpreted to have taken place from the Middle Cretaceous to the Early Tertiary. Late stage (Quaternary) basaltic volcanism resulted in widespread deposits of columnar basalt flows, ash layers and scattered

cinder cones. Much of these rocks were buried and/or eroded through glacial activity in the Pleistocene.

LOCAL GEOLOGY

Rock exposures are confined largely to the west half of the Story 3 claim and are comprised mainly of intermediate to felsic flows and crystal tuffs. Pyroclastic textures were noted in one location. Pyrite and pyrrhotite vary between trace amounts to 8% as disseminations and occasional fracture fillings. No evidence for hydrothermal alteration was observed other than the occasional 1-2 cm quartz veinlet. Argillites are present in the southwest corner. A fine grained mafic rock, either a basalt flow or dike is located in the north central part of the Story 3. The units trend to the southeast and dip 30 to 40 degrees northeast.

The northern third of the Story 4 claim is underlain by interbedded siltstones and mudstones, the central third is underlain by felsic to intermediate volcanics with some wedges of sediments and the geology of the southern third is masked by a large swamp. The sediments are well bedded and commonly host concordant but discontinuous, 3 to 10 cm quartz veins/sweats probably resulting from regional deformation and metamorphism. The volcanics vary from massive flows to crystal and lapilli tuffs and commonly contain 1 to 5% pyrite (± pyrrhotite). No contacts between sediments and volcanics were observed. All units trend in a southeasterly direction and dip steeply to the north or moderately to the southwest. One excellent exposure along the creek defined a minor fold having a 30 m amplitude.

GEOCHEMICAL SAMPLING RESULTS

A total of 250 samples were taken from the Story 3 and 4 claim block for geochemical analysis. The samples taken included 180 soil, 46 rock and 24 stream sediment samples. All samples were coded using a four part alphanumeric system. The first letter designates the property (C - Coul), the second and third letters are the collector's initials, the fourth for the type of sample (R - rock, S - silt, M - moss) and the remainder is the sample number.

Stream sediment samples were taken on 100 m intervals as measured with a hipchain. At every station a stream sediment sample was taken and placed in a plastic sample bag. If insufficient sediment was available, a moss sample was taken instead. The station was identified with orange flagging tape upon which the sample number was recorded.

Rock samples were taken from mineralogically promising outcrops. At least one sample was taken from each gossan encountered. Additional samples were taken at structural breaks (faults, unconformities, some fractures). Chip samples were taken over an area up to 0.5 square metres to obtain a representative sample. Rock samples taken over a greater area have been identified with a "T" in the code, rather than an "R". Samples were placed in numbered plastic sample bags. The sample location was flagged with orange flagging tape and an aluminum tag with

the pertinent information was fixed to the outcrop.

Samples taken were sent to Loring Laboratories in Calgary, Alberta and Min-En Laboratories in Smithers, B.C.. All samples were analysed for 30 elements by Inductively Coupled Plasma analysis (I.C.P.) with an Atomic Absorption finish for gold (Appendix IV). Each sample was also analysed for gold content by digestion in aquaregia solution, extraction with methyl isobutyl ketone and analysis by an Atomic Absorption (AA) analysis instrument (Appendix IV).

On the Story 3 claim, five grid lines oriented north-south were placed 100 metres apart, running from the Unuk River to the southern claim boundary. Soil sampling on 25 m spacings was conducted along the grid. Outcrops and rock sample localities were also plotted with reference to the grid. Two small intermittent creeks were silt sampled and a single sample was obtained from a groundwater seep.

Three anomalous results were returned from the Story 3 claim, on lines 1+00 and 2+00 West. Sample L2+00W, 23+75S returned a silver value of 3.1 ppm. Two silt samples taken from a creek west of line 1+00 W returned weakly anomalous zinc values of 269 ppm (MBS006) and 581 ppm (MBS007).

On the Story 4 claim, three traverses were made oriented in a north-south direction and spaced 50 to 100 metres apart. Soil samples were collected along the two western traverses at 50

metre intervals. Prospecting, geological mapping and silt sampling was conducted along the eastern traverse. An additional day was spent silt sampling and mapping the main creek transecting the property from north to south.

Three anomalous zinc values were obtained from the Story 4 claim. Sample MBD026 returned a moderately anomalous zinc value of 7704 ppm (0.96%). Three additional samples returned weakly anomalous values of 662 ppm (CCD032) and 708 ppm (CCD35) in zinc as well as arsenic and lead. A small grid was placed over the area from which the anomalous values were obtained and returned additional anomalous values in silver, arsenic, antimony and mercury. Anomalous arsenic and silver values were returned from samples further north on the Story 4 claim.

CONCLUSIONS AND RECOMMENDATIONS

The Story 3 and 4 claim group is underlain by siltstones, mudstones and felsic to intermediate volcanics. Regional maps published by the GSC and field examination of the stratigraphy strongly suggests that these units are correlatable with those hosting the Calpine deposit to the northeast, namely the Betty Creek Formation and the informal Mt. Dilworth formation. The units trend in a southeasterly direction and dip to the southwest in the northern portion of the property and to the northeast in the southern portion. Unfortunately, the small size of the property (500 m wide) limits the amount of data and precludes a definitive structural interpretation. However, it is proposed that the Story 3 and 4 claim group lies at or near a synclinal fold hinge. Structural measurements taken on the property suggest a shallowly plunging fold axis (oriented 030-090 degrees).

The Story 4 claim needs additional work to complete first stage exploration. It should be mapped and thoroughly prospected south from the northern argillite contact to the swamp. Also, the edges of the swamp should be prospected to delineate the stratigraphy which underlies the swamp. Since the area south of the argillite is most probably analogous to the Calpine stratigraphy, an extensive soil sampling survey should be conducted over this area to thoroughly evaluate its potential. Soil lines should be run perpendicular to the structural trend of

the stratigraphic unit at 100 metre intervals. Samples should be taken along the grid at 25 m intervals. The propsed grid should encompass the area from 5+00 S (1989 grid) to the swamp and should extend to both the east and west boundaries. An important consideration is the use of soil augers to get good "B" horizon soil samples. The area is covered by a mature forest with a deep humus layer and abundant roots. Often "B" horizon material is greater than 40 cm below the surface.

A followup program of geochemical sampling is recommended upon the return of anomalous samples from the grid. The followup should consist of tighter sample spacing on a grid spacing of 50 m over the anomalous ground.

STATEMENT OF QUALIFICATIONS

I, Rick Walker, of 5561 Toronto Rd., Vancouver, B.C., do hereby certify that:

1) I am a consulting geologist working for International Kodiak Resources from offices at #606 - 675 West Hastings Street, Vancouver, British Columbia.

2) I am a graduate of the University of Calgary with a Bachelor of Science, Geology.

3) I am a graduate of the University of Calgary with a Masters of Science, Structural Geology.

4) I have worked in geology in Alberta, B.C. and the N.W.T. since 1984.

5) The findings in this report are based on work undertaken on the property between June 16 and July 31, 1990.

6) I have no interest, direct or indirect, in Ecstall Mining Corp., Omega Gold Corp. or the Story 3 and 4 claims, nor do I expect to receive any such interest.

7) This report may be used by Ecstall Mining Corp. or Omega Gold Corp., in whole or in part, as they so require.

Dated at Vancouver, British Columbia this 14th day of January, 1991.

Rick Walker

Rick Walker, B.Sc., M.Sc.

.c:33108(20)

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APPENDIX II

STATEMENT OF COSTS

Cost Breakdown

Project: Story 3,4 (Coul)

==========

Geological Program

Personnel	
7.33 man-days @ $275/day	$ 2,015.75
4.0 man-days @ $240/day	960.00
2.0 man-days @ $225/day	450.00
12.5 man-days @ $200/day	2,500.00
Helicopter	
7.2 hours @ $725/hour	5,220.00
Room and Board	
25.83 man-days @ $125/day	3,228.75
Vehicle	
5 days @ $50/day	250.00
Field Supplies	
25.83 man-days @ $20/day	516.60
Samples	
46 Rock @ $20/sample	920.00
180 Soil @ $20/sample	3,600.00
24 Silt @ $20/sample	480.00
Report Preparation and Drafting	2,000.00
Miscellaneous	
a) Travel	2,000.00
TOTAL:	$ 24,141.10

Cost Breakdown

Project: Story 3,4 (Coul)

==========

Surveying Program

Personnel	
1.0 man-day @ $275/day	$ 275.00
4.0 man days @ $225/day	900.00
Helicopter	
5.3 hours @ $725/hour	3,842.50
Room and Board	
11.0 man-days @ $125/day	1,375.00
TOTAL:	$ 6,392.00

TOTAL STORY 3,4 (COUL) $30,533.10

APPENDIX IV

ASSAY TECHNIQUES AND RESULTS

MINERAL
• ENVIRONMENTS
LABORATORIES

Division of Assayers Corp. Ltd.

GOLD ASSAY PROCEDURE:

Samples are dried @ 95 C and when dry are crushed on a jaw crusher. The 1/4 inch output of the jaw crusher is put through a secondary roll crusher to reduce it to - 1/8 inch. The whole sample is then riffled on a Jones Riffle down to a statistically representative 300 - 400 gram sub-sample (in accordance with Gy's statistical rules). This sub-sample is then pulverized on a ring pulverizer to 95% minus 120 mesh, rolled and bagged for analysis. The remaining reject from the Jones Riffle is bagged and stored.

Samples are fire assayed using one assay ton sample weight. The samples are fluxed, a silver inquart added and mixed. The assays are fused in batches of 24 assays along with a natural standard and a blank. This batch of 26 assays is carried through the whole procedure as a set. After cupellation the precious metal beads are transferred into new glassware, dissolved, diluted to volume and mixed.

These aqua regia solutions are analyzed on an atomic absorption spectrometer using a suitable standard set. The natural standard fused along with this set must be within 3 standard deviations of its known or the whole set is re-assayed. Likewise the blank must be less than 0.015 g/tonne.

OFFICE AND LABORATORIES:
705 WEST FIFTEENTH STREET, NORTH VANCOUVER, BC
CANADA V7M 1T2

PHONE: (604) 980-5814 (604) 988-4524
TELEX: VIA USA 7601067
FAX: (604) 980-9621

MINERAL
• ENVIRONMENTS
LABORATORIES

Division of Assayers Corp. Ltd.

AG, CU, PB, ZN, NI, AND CO ASSAY PROCEDURE:

Samples are dried @ 95 C and when dry are crushed on a jaw crusher. The -1/4 inch output of the jaw crusher is put through a secondary roll crusher to reduce it to -1/8 inch. The whole sample is then riffled on a Jones Riffle down to a statistically representative 300 - 400 gram sub-sample (in accordance with Gy's statistical rules). This sub-sample is then pulverized in a ring pulverizer to 95% minus 120 mesh, rolled and bagged for analysis. The remaining reject from the Jones Riffle is bagged and stored.

A 2.000 gram sub-sample is weighed from the pulp bag for analysis. Each batch of 70 assays has a natural standard and a reagent blank included. The assays are digested using a HNO3 - KCL04 mixture and when reaction subsides, HCL is added to assay before it is placed on a hotplate to digest. After digestion is complete the assays are cooled, diluted to volume and mixed.

The assays are analyzed on atomic absorption spectrometers using the appropriate standard sets. The natural standard digested along with this set must be within 3 standard deviations of its known or the whole set is re-assayed. If any of the assays are >1% they are re-assayed at a lower weight.

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MINERAL
• ENVIRONMENTS
LABORATORIES

Division of Assayers Corp. Ltd.

ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK

PROCEDURE FOR AU, PT OR PD FIRE GEOCHEM

Geochemical samples for Au Pt Pd are processed by Min-En Laboratories, at 705 West 15th St., North Vancouver, B. C., laboratory employing the following procedures:

After drying the samples at 95 C, soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized on a ring mill pulverizer.

A suitable sample weight; 15.00 or 30.00 grams is fire assay preconcentrated. The precious metal beads are taken into solution with aqua regia and made to volume.

For Au only, samples are aspirated on an atomic absorption spectrometer with a suitable set of standard solutions. If samples are for Au plus Pt or Pd, the sample solution is analyzed in an inductively coupled plasma spectrometer with reference to a suitable standard set.

OFFICE AND LABORATORIES:
705 WEST FIFTEENTH STREET, NORTH

MINERAL
• ENVIRONMENTS
LABORATORIES

Division of Assayers Corp. Ltd.

ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK:

PROCEDURE FOR TRACE ELEMENT ICP

Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cu,
Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Sb,
Sr, Th, U, V, Zn, Ga, Sn, W, Cr

Samples are processed by Min-En Laboratories, at 705 West 15th Street, North Vancouver, employing the following procedures.

After drying the samples at 95 C, soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by a jaw crusher and pulverized on a ring mill pulverizer.

0.50 gram of the sample is digested for 2 hours with an aqua regia mixture. After cooling samples are diluted to standard volume.

The solutions are analyzed by computer operated Jarrall Ash 9000 ICAP or Jobin Yvon 70 Type II Inductively Coupled Plasma Spectrometers.

OFFICE AND LABORATORIES:
705 WEST FIFTEENTH STREET, NORTH VANCOUVER, B.C.
CANADA V7M 1T2

PHONE: (604) 980-5814 (604) 988-4524
TELEX: VIA USA 7601067

MINERAL
• ENVIRONMENTS
LABORATORIES

Division of Assayers Corp. Ltd.

MERCURY ANALYTICAL PROCEDURE FOR ASSESSMENT FILING

Samples are processed by Min-En Laboratories at 705 West 15th St., North Vancouver, B. C., employing the following procedures.

After drying the samples @ 30 C, soil, and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by a jaw crusher and pulverized by ring pulverizer.

A 0.50 gram subsample is digested for 2 hours in an aqua regia mixture. After cooling samples are diluted to standard volume.

Mercury is analyzed by combining with a reducing solution and introducing it into a flameless atomic absorption spectrometer. A three point calibration is used and suitable delutions made if necessary.

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GEOCHEMICAL ANALYSIS CERTIFICATE

Loring Laboratories Ltd. PROJECT 33475 File # 90-2203

629 Beaverdam Road N.E., Calgary AB T2K 4W7

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
C-CC-D 12	1	62	42	91	.6	14	10	266	8.85	2	5	ND	4	2	1.3	2	6	37	.01	.147	5	36	.31	43	.05	8	7.25	.01	.01	2
C-CC-D 13	1	104	16	121	.2	22	18	851	5.76	11	5	ND	4	8	.2	2	2	25	.11	.185	9	15	.77	58	.02	5	2.84	.01	.03	1
C-CC-D 14	1	66	38	94	.1	12	14	920	8.91	12	5	ND	1	5	.5	2	2	68	.05	.548	4	20	.44	46	.05	3	3.39	.01	.03	1
C-CC-D 15	3	59	24	113	.4	11	8	509	5.45	9	5	ND	5	2	.2	2	6	34	.01	.096	16	18	.11	33	.12	5	4.08	.01	.02	1
C-CC-D 16	1	168	42	127	.3	30	23	750	7.36	20	5	ND	3	5	1.6	2	2	33	.05	.166	6	19	.73	56	.01	7	3.42	.01	.03	2
C-CC-D 17	1	29	23	61	.3	4	8	315	7.40	8	5	ND	2	7	1.0	2	5	74	.05	.144	7	17	.15	52	.14	7	2.34	.01	.03	1
C-CC-D 18	1	60	23	96	.3	19	12	353	6.64	62	5	ND	1	8	.2	2	2	33	.10	.254	4	10	.06	49	.01	6	2.06	.01	.05	1
C-CC-D 19	1	49	23	94	.2	9	17	988	7.41	24	5	ND	1	7	.3	2	3	69	.02	.356	5	12	.06	86	.09	7	1.95	.01	.06	1
C-CC-D 20	1	24	27	68	.6	5	10	608	6.19	9	5	ND	1	6	.8	2	2	45	.03	.091	7	18	.25	47	.03	4	3.65	.01	.02	1
C-CC-D 21	1	24	12	59	.3	6	8	362	4.71	2	5	ND	2	8	1.1	2	3	72	.11	.051	6	17	.29	37	.28	3	4.22	.02	.02	1
C-CC-D 22	2	40	22	67	.5	8	7	201	7.19	5	5	ND	2	6	.5	2	5	66	.02	.047	5	17	.18	55	.08	6	3.52	.01	.02	1
C-CC-D 23	1	42	22	113	.1	8	17	1939	6.08	16	5	ND	1	10	.4	2	5	79	.13	.155	8	14	.34	125	.05	2	2.97	.01	.04	1
C-CC-D 24	4	46	24	246	1.4	19	9	404	8.56	19	5	ND	1	29	2.4	2	2	61	.71	.097	10	24	.46	104	.05	7	2.71	.01	.04	1
C-CC-D 25	7	34	17	107	3.5	6	7	180	6.16	13	5	ND	1	4	.2	2	7	80	.04	.065	6	19	.12	31	.06	3	1.44	.01	.03	1
C-CC-D 26	6	44	20	126	.9	5	8	331	9.84	40	5	ND	2	4	1.6	2	2	77	.01	.347	8	15	.05	28	.09	6	2.11	.01	.02	1
C-CC-D 27	3	58	25	159	2.5	13	14	830	5.39	8	5	ND	4	3	1.5	2	2	22	.03	.107	18	17	.10	25	.08	9	5.63	.01	.02	1
C-CC-D 28	3	49	21	76	2.0	3	11	1153	7.34	5	5	ND	1	9	2.1	2	6	48	.04	.113	5	20	.35	50	.08	5	5.77	.01	.01	1
C-CC-D 29	6	107	17	318	4.1	14	20	5168	11.21	45	5	ND	2	6	5.0	2	4	62	.06	.347	12	27	.26	63	.12	4	3.63	.01	.03	1
C-CC-D 30	4	44	32	289	.9	6	10	815	9.65	43	5	ND	1	14	3.1	2	2	77	.16	.226	7	16	.17	90	.04	3	4.52	.01	.03	1
C-CC-D 31	4	69	24	211	1.6	12	23	1736	11.00	96	5	ND	1	7	3.8	2	2	80	.08	.384	8	26	.47	92	.08	3	4.27	.01	.03	1
C-CC-D 32	4	85	21	662	1.6	40	24	761	9.69	105	5	ND	3	8	3.6	2	2	56	.08	.127	12	26	.53	127	.03	2	5.75	.01	.03	1
C-CC-D 33	5	24	2	77	.3	8	6	133	5.61	20	5	ND	1	8	.2	2	2	114	.11	.107	7	19	.11	32	.07	5	1.34	.01	.02	1
C-CC-D 34	6	33	57	153	.8	7	7	298	6.97	8	5	ND	2	4	1.5	2	2	102	.04	.076	7	33	.15	61	.08	8	5.38	.01	.02	1
C-CC-D 35	1	57	183	708	.9	56	21	537	7.01	13	5	ND	2	9	3.9	2	6	93	.23	.053	6	67	1.67	247	.09	7	4.59	.01	.05	1
C-CC-D 36	3	18	37	50	.6	9	10	334	5.75	17	5	ND	1	12	.8	2	8	173	.15	.087	5	29	.27	48	.53	7	1.22	.03	.03	1
C-MBD-20	2	77	28	191	.5	25	19	3107	6.00	19	5	ND	1	9	.6	2	2	48	.14	.120	11	25	.61	149	.03	7	3.48	.01	.04	1
C-MBD-21	6	39	27	392	1.0	14	11	503	9.00	15	5	ND	1	15	5.0	2	2	82	.20	.082	13	20	.20	192	.04	5	3.00	.01	.03	1
C-MBD-22	1	196	55	132	1.0	49	28	10965	8.72	22	5	ND	1	35	2.7	2	2	219	.40	.236	17	159	.87	181	.11	6	5.31	.01	.02	2
C-MBD-23	3	26	23	118	.4	7	12	1579	7.21	15	5	ND	1	19	1.5	2	2	48	.26	.236	10	14	.23	58	.09	5	4.10	.01	.03	1
C-MBD-24	10	42	31	141	4.0	4	7	1271	7.15	39	5	ND	1	11	1.1	6	7	128	.09	.231	6	22	.16	108	.15	5	2.61	.01	.04	2
C-MBD-25	4	49	32	179	1.2	9	17	2139	9.61	20	5	ND	1	11	2.9	2	5	81	.12	.260	7	30	.25	68	.13	2	4.54	.01	.02	1
C-MBD-26	21	32	2	7704	3.6	107	29	76485	20.32	554	5	ND	7	30	11.9	94	7	19	.30	.356	20	7	.03	2595	.05	5	1.51	.01	.01	1
C-MBD-27	3	35	30	159	.6	3	12	2318	12.97	26	5	ND	2	11	4.3	2	6	139	.10	.129	6	21	.65	60	.22	4	3.23	.01	.02	2
C-MBD-28	4	33	32	97	.5	10	8	271	9.67	20	5	ND	4	4	1.3	2	2	47	.03	.053	6	30	.20	38	.09	4	5.99	.01	.02	1
C-MBD-29	1	129	54	144	.2	11	9	350	10.04	22	5	ND	3	6	2.2	2	2	120	.05	.098	8	31	.39	51	.15	5	4.70	.01	.02	1
C-MBD-30	3	67	14	140	1.1	21	11	370	6.38	19	5	ND	3	10	.4	2	6	63	.07	.044	7	26	.62	117	.06	2	4.39	.01	.03	1
C-MBD-31	5	50	46	429	.6	16	14	871	9.21	29	5	ND	1	11	2.2	2	3	73	.12	.170	7	24	.45	87	.03	2	2.95	.01	.04	1
STANDARD C	18	58	43	132	7.0	68	30	1031	4.10	40	19	8	36	48	17.7	16	21	56	.54	.097	37	55	.93	173	.07	39	1.94	.06	.14	11

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.

· SAMPLE TYPE: Soil Pulp

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
C-CB-R 14	4	28	15	83	.1	8	10	402	4.69	11	5	ND	2	13	.6	2	2	69	.69	.061	6	59	2.08	66	.28	2	2.57	.12	.08	2
C-CB-R 15	2	21	12	92	.1	7	8	426	4.57	2	5	ND	2	8	.4	2	3	64	.35	.116	10	84	1.62	52	.03	5	2.21	.10	.09	1
C-CB-R 16	4	10	10	66	.1	4	3	230	4.14	12	5	ND	3	4	.3	2	2	9	.10	.035	13	25	1.04	99	.01	4	1.89	.01	.24	1
C-CB-R 17	1	31	3	97	.2	16	24	686	8.40	2	5	ND	1	9	1.0	2	2	211	1.43	.080	5	28	2.51	9	.84	2	3.82	.06	.04	1
C-CB-R 18	1	9	7	112	.1	13	23	685	7.73	3	5	ND	2	6	.8	2	2	180	.89	.062	3	50	2.65	14	.65	2	3.40	.07	.01	1
C-CB-R 19	1	5	19	165	.1	9	32	690	7.39	26	5	ND	1	69	1.0	2	3	230	.99	.074	7	41	2.90	62	.03	2	3.43	.15	.05	1
C-CB-R 20	1	90	11	184	.1	25	16	747	5.49	9	5	ND	3	38	.8	2	3	35	.55	.137	9	29	1.41	135	.01	3	2.66	.04	.20	1
C-CB-R 21	1	6	5	120	.1	1	15	1301	8.46	2	5	ND	1	86	.8	2	3	90	1.37	.201	12	32	2.88	63	.05	2	3.56	.09	.07	1
C-CB-R 22	2	8	4	43	.1	12	6	841	2.90	2	5	ND	1	58	.2	2	2	18	.54	.083	5	185	.69	80	.01	10	1.28	.01	.13	1
C-CB-R 23	1	37	.9	70	.1	7	13	601	5.49	2	5	ND	2	25	.3	2	3	139	.61	.115	8	42	.66	51	.13	2	2.11	.13	.08	1
C-CB-R 24	1	18	15	115	.2	4	9	679	6.59	2	5	ND	2	24	.6	2	2	53	.55	.166	17	28	1.05	104	.08	7	2.37	.08	.17	1
C-CB-R 25	1	9	5	53	.1	3	1	505	1.92	4	5	ND	1	14	.5	2	2	6	.35	.021	9	43	.87	176	.14	5	1.22	.04	.19	1
C-CB-R 26	2	51	9	73	.2	75	30	618	7.75	8	5	ND	1	14	1.1	2	2	203	1.09	.051	5	221	4.64	24	.24	2	4.51	.10	.01	1
C-CC-R 1	1	7	7	99	.1	8	9	403	4.27	3	5	ND	2	6	.2	2	3	67	.21	.063	7	95	1.69	24	.07	3	2.31	.13	.02	1
C-CC-R 2	1	6	11	142	.1	2	4	800	7.20	2	5	ND	1	7	.6	2	3	56	.39	.127	12	60	1.06	127	.11	2	2.82	.05	.12	1
C-CC-R 3	1	80	19	249	.5	2	3	439	8.10	2	5	ND	2	10	.5	2	4	41	.79	.090	11	54	1.05	81	.20	3	2.89	.06	.12	1
C-CC-R 4	1	40	7	117	.3	10	25	756	10.33	2	5	ND	3	6	1.4	2	3	217	1.30	.082	4	22	2.99	19	.83	2	4.73	.04	.03	1
C-CC-R 5	1	44	4	119	.1	15	25	646	7.51	5	5	ND	1	6	.8	2	2	147	1.04	.084	3	36	2.21	10	.69	2	3.19	.08	.01	1
C-CC-R 6	1	37	9	76	.1	11	14	458	6.81	2	5	ND	1	5	.6	2	2	148	.92	.073	2	34	1.69	14	.77	4	2.31	.11	.01	1
C-CC-R 7	1	35	4	119	.1	16	26	590	7.49	4	5	ND	2	7	.8	2	2	173	1.06	.088	4	28	2.53	19	.77	5	3.33	.10	.02	1
C-CC-R 8	1	38	3	126	.2	17	28	741	8.58	2	5	ND	1	7	1.0	2	2	169	1.16	.095	4	23	2.25	19	.82	2	3.66	.09	.02	1
C-CC-R 9	1	50	5	82	.1	75	26	768	6.41	6	5	ND	2	14	.6	2	2	143	1.63	.075	4	178	3.50	10	.38	2	3.88	.09	.01	1
C-CC-R 10	1	108	15	170	2.2	14	25	2308	8.22	10	5	ND	1	12	.8	3	2	185	.62	.094	6	12	3.31	54	.49	2	3.60	.06	.10	1

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %
C-MB-D L1+00W 22+25S	1	41	14	97	.1	11	10	477	13.75	16	5	ND	1	11	.6	6	3	194	.20	.049	7	40	.17	43	.49	4	3.47	.01	.02
C-MB-D L1+00W 22+50S	2	17	35	110	.1	7	14	289	8.38	5	5	ND	1	19	.4	2	2	289	.54	.027	6	48	.18	40	1.36	4	1.87	.01	.01
C-MB-D L1+00W 22+75S	2	23	9	110	.1	13	22	8769	4.85	13	5	ND	2	49	.9	3	2	72	1.26	.077	12	32	.32	73	.49	2	2.57	.04	.03
C-MB-D L1+00W 23+00S	1	29	9	96	.1	17	35	1224	5.63	2	5	ND	1	89	.6	3	2	63	1.65	.081	13	17	1.00	60	.36	4	2.62	.24	.09
C-MB-D L1+00W 23+25S	5	36	20	181	.1	16	18	1301	8.70	12	5	ND	1	32	.8	2	2	112	1.21	.041	16	32	.41	42	.39	2	3.14	.02	.03
C-MB-D L1+00W 23+50S	2	27	17	65	.6	7	5	143	13.80	17	5	ND	3	10	.4	3	6	323	.14	.023	7	58	.12	40	.81	2	2.97	.02	.02
C-MB-D L1+00W 23+75S	1	15	13	67	.1	11	8	130	3.99	4	5	ND	1	29	.2	2	2	344	.15	.033	4	31	.18	32	1.30	2	.72	.02	.01
C-MB-D L1+00W 24+00S	1	9	21	29	.1	4	3	70	2.22	7	5	ND	1	11	.2	2	2	185	.11	.021	6	24	.10	32	.98	2	.87	.02	.03
C-MB-D L1+00W 24+25S	2	33	17	65	.4	9	5	213	12.31	15	5	ND	2	9	.7	2	2	230	.10	.050	6	45	.18	22	.78	3	3.00	.01	.02
C-MB-D L1+00W 24+50S	1	31	20	61	.1	9	11	886	13.41	6	5	ND	1	12	.10	2	2	353	.16	.056	7	51	.16	39	1.12	2	2.87	.01	.02
C-MB-D L1+00W 24+75S	1	21	13	57	.3	8	8	262	10.23	9	5	ND	3	23	.7	3	2	238	.24	.062	6	35	.32	36	1.15	3	2.49	.06	.05
C-MB-D L1+00W 25+00S	1	8	5	76	.1	22	21	764	5.54	7	5	ND	2	120	.6	2	2	117	1.22	.105	7	10	2.06	57	.92	2	2.05	.49	.20
C-MB-D L2+00W 20+50S	2	61	14	169	.1	80	15	780	4.59	18	5	ND	2	34	.8	5	2	65	.44	.110	10	54	1.46	145	.05	2	1.92	.02	.08
C-MB-D L2+00W 20+75S	6	29	17	106	.1	11	6	327	6.42	23	9	ND	3	14	.6	2	2	110	.14	.031	20	32	.21	51	.45	2	2.28	.02	.06
C-MB-D L2+00W 21+00S	1	17	14	111	.1	13	9	595	7.55	10	5	ND	3	30	.3	2	2	111	.45	.036	14	30	.43	69	.80	2	2.29	.03	.04
C-MB-D L2+00W 21+25S	3	35	15	154	.1	19	16	782	8.14	62	5	ND	1	21	.3	2	2	67	.35	.052	14	29	.75	50	.12	2	3.83	.01	.02
C-MB-D L2+00W 21+50S	6	38	9	70	.1	11	13	208	3.50	38	5	ND	1	10	.2	3	2	235	.08	.013	9	11	.11	19	.29	2	.65	.01	.02
C-MB-D L2+00W 21+75S	3	48	11	189	.1	34	18	604	7.18	32	5	ND	1	20	.2	4	2	72	.23	.037	9	40	.98	56	.18	2	2.78	.03	.03
C-MB-D L2+00W 22+00S	4	34	16	94	.2	11	6	207	10.64	36	5	ND	5	10	.2	2	4	85	.09	.025	8	36	.25	41	.14	2	3.08	.03	.04
C-MB-D L2+00W 22+25S	2	25	14	54	.4	8	5	145	9.31	8	6	ND	5	10	.7	2	2	80	.07	.051	12	59	.24	29	.41	5	6.81	.02	.03
C-MB-D L2+00W 22+50S	4	26	11	67	.1	7	6	154	6.91	22	5	ND	1	10	.2	4	2	335	.10	.036	7	25	.10	27	.48	2	1.52	.01	.04
C-MB-D L2+00W 22+75S	1	16	8	49	.1	10	7	122	7.13	6	5	ND	3	11	.2	3	2	192	.06	.025	7	27	.11	52	.78	2	1.34	.01	.03
C-MB-D L2+00W 23+00S	1	26	19	61	.3	8	12	204	17.22	10	5	ND	1	7	.6	2	2	879	.21	.027	3	24	.18	21	.86	2	2.25	.01	.02
C-MB-D L2+00W 23+50S	1	35	14	85	.4	13	13	277	11.41	14	5	ND	2	9	.6	2	2	531	.20	.029	5	38	.08	33	.16	2	1.20	.01	.03
C-MB-D L2+00W 23+75S	3	23	11	58	.1	9	6	105	5.95	13	5	ND	1	11	.3	2	2	205	.11	.025	4	24	.13	23	.85	2	1.19	.02	.03
C-MB-D L2+00W 24+00S	10	22	27	67	.1	6	2	116	6.25	27	5	ND	2	3	.2	2	3	140	.03	.038	18	30	.12	22	.37	2	2.76	.01	.04
C-MB-D L2+00W 24+25S	3	29	15	177	.1	26	8	457	8.09	13	6	ND	2	12	.2	2	3	113	.16	.038	12	32	.58	34	.39	2	2.76	.04	.06
C-MB-D L2+00W 24+50S	1	13	11	56	.1	13	11	289	3.57	9	5	ND	1	49	.2	2	2	168	.50	.058	5	9	.83	27	.91	2	1.05	.17	.10
C-MB-D L2+00W 25+00S	7	30	22	108	.4	11	5	180	8.19	16	5	ND	3	4	.2	3	2	154	.03	.044	8	36	.18	68	.40	2	2.95	.01	.04
C-MB-D L3+00W 20+00S	2	11	14	39	.1	4	4	103	9.71	12	5	ND	1	15	.2	2	2	412	.09	.028	7	21	.06	24	.92	2	1.30	.01	.03
C-MB-D L3+00W 20+25S	3	26	19	64	.3	8	5	111	15.54	27	5	ND	3	19	.9	2	2	290	.20	.032	6	76	.28	40	.78	2	3.38	.02	.02
C-MB-D L3+00W 20+50S	2	12	25	62	.7	10	3	195	6.68	17	65	ND	25	3	.2	10	2	33	.03	.028	12	73	.18	19	.17	2	11.54	.02	.05
C-MB-D L3+00W 20+75S	2	15	15	76	.9	11	7	313	10.34	19	5	ND	1	12	.7	2	2	287	.09	.029	7	84	.23	53	.66	2	3.08	.01	.01
C-MB-D L3+00W 21+00S	2	27	15	76	.2	13	12	696	12.16	28	5	ND	1	5	.4	2	2	380	.06	.047	3	102	.28	53	.60	2	2.73	.01	.01
C-MB-D L3+00W 21+25S	1	13	20	60	.3	9	8	896	9.24	12	5	ND	1	14	.3	2	2	251	.35	.051	4	39	.19	33	.89	2	1.94	.01	.03
C-MB-D L3+00W 21+50S	2	18	14	72	.7	12	6	246	8.72	10	5	ND	2	11	.6	4	2	145	.12	.047	7	40	.33	49	.63	3	4.17	.03	.01
STANDARD C	18	57	38	133	7.5	73	31	1019	3.93	41	17	8	38	52	18.7	16	17	58	.51	.095	39	60	.93	183	.09	36	1.92	.06	.13

Loring Laboratories Ltd. PROJECT 99 File # 90-2371 Page 1
629 Beaverdam Road N.E., Calgary AB T2K 4W7

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
C-CB-R 039	2	117	20	114	.1	25	10	193	5.34	<5	5	ND	4	26	.3	2	2	27	.25	.156	7	37	.42	67	.01	6	1.28	.03	.17	1
C-CB-R 040	6	96	27	99	.3	28	14	228	4.45	<5	5	ND	2	69	.5	3	2	19	1.28	.156	4	30	.55	63	.01	5	1.17	.03	.17	1
C-CB-R 041	2	49	17	51	.2	23	13	992	4.33	<5	5	ND	2	1535	.2	3	2	19	1.28	.156	4	123	.80	60	.01	5	1.00	.02	.11	1
C-CB-R 042	1	22	10	44	.2	8	7	1737	4.06	<5	5	ND	1	209	.3	2	2	15	4.23	.048	4	63	1.08	95	.01	7	.94	.04	.20	1
C-CB-R 043	2	34	33	96	.1	17	21	1066	5.72	<5	5	ND	2	206	.8	3	2	49	3.17	.042	3	102	1.02	64	.01	5	2.35	.02	.12	1
C-CB-R 044	8	40	25	60	.2	14	11	477	4.19	<5	5	ND	2	56	.2	3	2	19	1.25	.056	3	73	.47	77	.01	9	1.42	.02	.18	1
C-CB-R 045	1	94	14	136	.3	14	26	496	7.64	<5	5	ND	2	103	.4	2	2	73	1.16	.170	10	47	1.01	258	.07	4	3.45	.01	.25	1
C-CB-R 046	1	40	13	90	.6	14	23	2977	4.80	<5	5	ND	2	33	.7	2	2	80	.32	.076	13	83	1.91	377	.01	7	2.70	.04	.18	1
C-CB-R 047	7	41	14	44	.2	7	11	586	4.65	<5	5	ND	2	17	.5	4	2	59	.50	.080	4	87	1.19	165	.10	7	2.24	.03	.20	2
C-CB-R 048	3	73	9	62	.1	8	14	622	5.62	<5	5	ND	2	14	.4	3	2	88	.38	.102	8	51	1.41	60	.06	5	2.17	.09	.06	1
C-CB-S 038	2	157	28	179	.3	44	25	892	6.42	<5	5	ND	3	66	.10	2	2	28	.88	.165	6	16	.84	107	.01	5	1.69	.01	.04	1
C-CD-S 001	1	112	24	160	.4	38	23	924	6.20	<5	5	ND	3	50	.7	3	2	33	.59	.156	7	18	1.10	122	.01	5	2.02	.02	.05	1
C-CD-S 002	1	130	22	167	.4	40	24	930	6.25	<5	5	ND	3	51	.9	2	2	30	.64	.153	8	17	.95	121	.01	5	1.83	.02	.05	1
C-CD-S 003	1	130	26	168	.2	40	24	929	6.29	<5	5	ND	3	52	.8	2	2	30	.67	.154	7	18	1.01	118	.01	7	1.90	.02	.05	1
C-CD-S 004	1	126	23	164	.2	38	23	876	6.18	<5	5	ND	1	50	.6	3	2	30	.64	.148	7	17	1.02	114	.01	6	1.89	.02	.03	1
C-CD-S 005	2	127	23	164	.2	42	24	1009	6.19	<5	5	ND	2	55	.9	4	2	29	.67	.152	7	18	.93	126	.01	7	1.81	.02	.04	1
C-CD-S 006	1	115	20	153	.2	37	21	788	5.85	<5	5	ND	2	47	.6	2	2	28	.60	.146	7	16	.95	104	.01	2	1.75	.01	.05	1
C-CD-S 007	1	118	23	159	.2	39	23	945	6.06	<5	5	ND	2	51	.9	3	2	29	.63	.149	7	17	.94	117	.01	5	1.81	.02	.04	1
[illegible]	1	118	24	160	.2	42	24	966	6.12	<5	5	ND	3	50	.6	3	2	29	.62	.149	7	18	.96	118	.01	5	1.82	.02	.05	1

GEOCHEMICAL ANALYSIS CERTIFICATE

Loring Laboratories Ltd. PROJECT 33506 File # 90-2502 Page 1

629 Beaverdam Road N.E., Calgary AB T2K 4W7

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
C-MW-S 048	1	66	14	145	.1	21	15	1062	5.22	33	5	ND	3	83	.7	2	2	66	1.41	.118	10	22	1.03	164	.08	13	1.62	.02	.11	1
C-MW-S 049	1	49	16	121	.1	17	14	617	5.43	26	5	ND	3	89	.4	2	2	28	1.28	.103	5	8	.62	176	.01	4	1.60	.01	.12	1
C-MW-S 051	1	69	10	129	.1	24	17	859	4.58	17	5	ND	3	81	.8	2	2	71	2.05	.080	9	27	1.63	166	.06	7	1.80	.01	.08	1
C-MW-S 052	4	42	14	286	.1	42	14	679	4.63	32	5	ND	2	53	.2	2	2	42	.55	.102	9	16	.64	256	.01	6	1.60	.01	.13	1
C-MW-S 053	1	68	14	128	.1	23	18	936	4.67	24	5	ND	3	69	.8	2	3	68	1.72	.089	10	26	1.44	214	.07	4	1.66	.01	.08	1

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
C-MB-D L3+00W 21+75S	3	14	18	92	.3	7	4	140	11.42	10	5	ND	5	7	.7	2	2	183	.07	.023	11	39	.08	26	.70	2	3.77	.01	.02	1
C-MB-D L3+00W 22+00S	1	21	16	127	.3	15	9	430	9.05	20	5	ND	4	9	.4	6	2	116	.14	.045	7	44	.39	44	.36	3	6.29	.01	.02	1
C-MB-D L3+00W 22+25S	6	20	22	167	.6	19	17	629	15.02	30	5	ND	3	9	.8	3	2	171	.06	.021	9	37	.13	42	.39	4	2.12	.01	.02	1
C-MB-D L3+00W 22+50S	3	25	20	113	.5	10	5	133	14.88	21	5	ND	3	10	.6	4	2	222	.21	.027	7	59	.12	23	.43	3	2.77	.01	.02	1
C-MB-D L3+00W 22+75S	2	27	25	216	.2	21	10	229	11.27	36	6	ND	6	5	.5	10	2	178	.06	.027	9	68	.74	49	.12	4	6.45	.01	.03	1
C-MB-D L3+00W 23+00S	2	15	29	61	.2	14	7	355	13.07	12	5	ND	2	13	.3	2	2	443	.10	.039	6	31	.10	32	1.06	3	1.67	.01	.02	1
C-MB-D L3+00W 23+25S	1	34	16	89	.9	11	7	154	11.01	27	5	ND	3	11	1.3	3	2	165	.12	.046	7	44	.18	36	.37	2	3.67	.01	.04	1
C-MB-D L3+00W 23+50S	1	1	11	50	.1	5	4	81	2.50	4	5	ND	1	11	.2	2	2	241	.09	.011	4	22	.11	31	.95	2	.59	.02	.02	2
C-MB-D L3+00W 24+00S	3	17	21	45	.2	6	4	101	11.07	12	5	ND	1	6	.2	4	2	251	.05	.026	9	40	.14	22	.48	2	2.04	.01	.02	1
C-MB-D L3+00W 24+25S	2	29	14	88	.2	12	7	263	15.12	30	5	ND	3	12	.6	2	2	193	.10	.047	7	53	.29	42	.38	3	3.36	.02	.03	1
C-MB-D L3+00W 24+50S	1	5	14	48	.3	9	6	158	3.98	2	5	ND	2	8	.2	2	2	274	.05	.014	6	29	.10	39	1.12	2	.70	.01	.02	1
C-MB-D L3+00W 24+75S	2	18	19	64	.4	9	6	238	11.25	15	5	ND	4	10	.4	5	2	280	.08	.036	7	40	.18	29	.94	2	2.31	.02	.03	1
C-MB-D L3+00W 25+00S	1	42	13	142	.4	20	23	1970	7.85	16	5	ND	3	4	.5	9	2	94	.08	.081	6	77	.29	35	.27	3	9.61	.01	.02	2
C-MB-D L4+00W 21+00S	6	57	24	190	1.1	40	15	527	9.70	41	5	ND	5	7	1.0	7	2	119	.14	.067	10	52	1.72	65	.24	3	6.42	.01	.04	1
C-MB-D L4+00W 21+25S	5	35	18	177	1.2	33	13	468	7.64	36	5	ND	3	3	.6	6	2	74	.04	.058	14	41	1.34	56	.10	2	6.25	.01	.04	1
C-MB-D L4+00W 21+50S	2	21	13	164	.5	18	19	350	7.54	14	5	ND	5	24	.9	5	2	112	.40	.053	16	30	.73	58	.96	2	5.83	.06	.04	1
C-MB-D L4+00W 21+75S	4	32	13	127	.7	19	22	616	6.09	24	5	ND	1	19	1.1	3	2	86	.39	.042	18	31	.54	67	.22	3	2.50	.03	.02	1
C-MB-D L4+00W 22+00S	2	38	19	140	1.1	23	8	304	10.83	40	5	ND	3	7	.7	6	2	116	.08	.034	7	55	.79	51	.27	6	3.67	.01	.02	1
C-MB-D L4+00W 22+25S	3	19	15	91	1.6	14	6	234	9.86	12	5	ND	5	6	.4	2	2	127	.06	.032	8	47	.49	42	.35	2	5.72	.01	.03	1
C-MB-D L4+00W 22+50S	5	12	32	75	.6	5	3	331	13.00	21	8	ND	9	9	.4	2	2	91	.09	.031	11	34	.08	25	.54	2	4.29	.01	.05	1
C-MB-D L4+00W 22+75S	1	76	13	132	.3	13	34	715	24.44	7	5	ND	3	5	1.0	2	2	512	.07	.061	3	22	.14	13	9.53	9	1.61	.01	.03	1
C-MB-D L4+00W 23+00S	4	13	19	63	.2	8	8	173	8.45	6	5	ND	2	10	.2	2	4	81	.22	.040	12	39	.16	31	.38	2	3.76	.01	.02	1
C-MB-D L4+00W 23+25S	5	19	23	94	.9	10	4	296	6.83	15	6	ND	6	4	.3	4	2	107	.08	.035	20	37	.28	25	.43	5	5.55	.03	.03	1
C-MB-D L4+00W 23+50S	2	11	19	60	.2	9	5	113	5.06	2	5	ND	2	16	.4	2	2	211	.09	.023	7	25	.11	50	1.36	2	.96	.02	.03	1
C-MB-D L4+00W 23+75S	2	19	14	75	.1	7	5	145	15.24	15	5	ND	2	9	.6	4	2	349	.11	.024	5	36	.10	22	.84	3	1.91	.01	.02	1
C-MB-D L4+00W 24+00S	4	19	22	70	.1	5	4	140	10.61	15	5	ND	5	2	.2	4	2	233	.04	.047	9	32	.11	13	.81	3	3.20	.01	.03	1
C-MB-D L4+00W 24+50S	2	29	21	94	.3	17	7	323	12.74	25	5	ND	5	3	.2	4	2	310	.10	.058	9	83	.34	25	.87	2	4.23	.01	.04	1
C-MB-D L4+00W 24+75S	1	41	20	139	.4	15	10	211	15.01	10	7	ND	6	4	.8	3	2	224	.10	.053	10	86	.23	26	.71	2	8.37	.01	.04	1
C-MB-D L4+70W 22+00S	2	68	20	169	.1	81	17	786	4.95	24	5	ND	3	39	.7	5	2	68	.52	.120	11	56	1.45	186	.06	6	1.99	.02	.08	1
C-MB-D L4+70W 22+25S	1	63	14	130	.3	52	14	760	4.51	27	5	ND	2	87	.7	5	2	78	1.58	.137	10	43	1.47	134	.08	6	1.78	.03	.08	1
C-MB-D L4+70W 22+50S	1	37	41	155	.3	16	10	257	14.56	19	5	ND	3	12	.8	4	2	313	.13	.030	5	58	.73	46	.80	2	3.23	.02	.04	1
C-MB-D L4+70W 22+75S	2	27	17	105	.4	19	9	266	10.53	20	5	ND	6	7	.5	2	2	182	.18	.024	5	55	.64	44	.63	4	6.25	.01	.03	1
C-MB-D L4+70W 23+00S	1	81	22	186	.3	61	36	631	7.50	17	5	ND	4	1099	.9	5	2	150	.78	.034	7	60	1.79	2869	.42	2	6.74	.07	.12	1
C-MB-D L4+70W 23+25S	9	18	20	65	.8	8	3	159	14.22	25	10	ND	14	18	.4	2	2	95	.10	.024	12	34	.14	51	.59	2	4.92	.03	.03	1
C-MB-D L4+70W 23+50S	1	30	20	72	.8	16	10	268	12.45	12	5	ND	3	12	.5	2	2	399	.24	.039	4	83	.39	36	1.37	2	2.30	.01	.03	1
C-MB-D L4+70W 24+25S	8	33	29	133	.3	18	10	470	9.90	29	8	ND	10	4	.7	3	2	130	.11	.034	15	39	.57	40	.50	5	5.39	.01	.04	1
STANDARD C	18	57	36	132	7.3	72	31	1022	3.99	41	15	7	39	53	18.7	15	19	58	.51	.093	38	60	.93	182	.09	35	1.95	.06	.13	11

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
MB-D L4+70W 24+50S	2	56	32	235	.5	52	23	587	9.50	20	5	ND	2	25	.8	2	2	146	.52	.078	16	73	1.29	94	.38	2	4.58	.03	.04	1
MB-D L4+70W 24+75S	4	38	24	176	.3	20	6	322	11.92	25	5	ND	3	12	1.1	3	2	131	.17	.047	8	62	.51	86	.18	2	4.05	.01	.03	1
MB-D L4+70W 25+00S	1	15	19	89	.9	28	8	225	11.43	22	5	ND	4	16	1.0	6	2	133	.12	.040	7	109	.67	38	.58	2	6.90	.01	.01	1
MB-D L4+70W 25+50S	2	27	9	135	.2	25	8	256	8.61	11	5	ND	3	11	.8	3	4	165	.16	.040	6	59	.64	42	.23	2	4.69	.02	.01	1
MB-S-001	7	30	8	355	.8	38	71	11960	6.80	19	5	ND	2	74	3.0	5	2	62	1.58	.119	18	32	.55	174	.16	3	4.61	.07	.04	1
MB-S-002	5	24	8	317	.4	31	30	7199	6.19	12	6	ND	2	58	2.4	2	2	62	1.48	.104	14	26	.63	129	.17	2	3.87	.07	.05	1
MB-S-003	4	7	21	133	.3	16	9	622	3.36	12	5	ND	4	9	.3	2	2	53	.17	.044	21	27	.36	37	.25	2	3.94	.03	.03	1
MB-S-004	6	75	36	359	.5	44	37	4965	9.89	53	5	ND	1	29	2.7	12	2	84	.89	.107	15	29	.77	157	.04	2	3.75	.03	.06	1
MB-S-005	4	14	3	352	.2	32	53	9157	8.34	10	6	ND	4	51	1.6	3	2	82	1.34	.106	13	29	1.10	212	.22	2	3.46	.09	.06	1
MB-S-006	4	84	20	269	.1	40	26	1442	7.55	64	5	ND	1	28	2.8	6	2	50	.49	.096	12	25	.81	95	.06	2	2.96	.03	.04	1
MB-S-007	9	32	9	581	.6	59	41	7600	7.56	25	5	ND	3	92	9.5	4	2	81	1.68	.103	21	24	.97	263	.20	2	3.93	.12	.07	1
MB-S-008	3	23	10	469	.6	44	22	2035	4.72	31	5	ND	2	65	3.5	2	2	59	1.23	.129	20	27	.92	112	.18	2	3.96	.11	.08	1
MB-S-009	7	26	5	175	.3	22	20	2676	3.47	16	6	ND	2	77	2.8	2	2	36	1.11	.096	20	17	.63	119	.20	5	3.59	.16	.07	1

ERNATIONAL KODIAK,
375 Hastings Street,
Juver, B.C.

File No. 33475-SM
Date July 9, 1990
Samples Rock
Ref. Smithers # 00003

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	PPB Au
Geochemical Analysis	
C-CCR- 001	NIL
002	NIL
003	NIL
004	NIL
005	NIL
006	NIL
007	NIL
008	NIL
009	NIL
010	40
C-CB-R-001	NIL
002	NIL
003	NIL
005	NIL
006	NIL
007	NIL
008	NIL
009	NIL
010	NIL
011	NIL
012	NIL
014	NIL
015	NIL
016	NIL
017	NIL
018	NIL
019	NIL
020	NIL
021	NIL
022	NIL

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

,ects retained one month.
Pulps retained one month
unless specific arrangements
are made in advance

To: INTERNATIONAL KODIAK,
606, 675 Hastings Street,
Vancouver, B.C.

File No. 33475-SM
Date July 9, 1990
Samples Soil
Ref. Smithers # 00003

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	PPB Au
CMBD L1+00W 24+00S	NIL
25+00S	NIL
21+25S	NIL
22+25S	NIL
23+25S	NIL
24+25S	NIL
21+50S	NIL
22+50S	NIL
23+50S	NIL
24+50S	NIL
21+75S	NIL
22+75S	NIL
23+75S	NIL
24+75S	NIL
CMBD L2+00W 21+00S	NIL
22+00S	NIL
23+00S	NIL
24+00S	NIL

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month
unless specific arrangements

To: INTERNATIONAL KODIAK,
606, 675 Hastings Street,
Vancouver, B.C.

File No. 33475-SM
Date July 9, 1990
Samples Soil
Ref. Smithers # 00003

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	PPB Au
CMBD L2+00W 25+00S	NIL
21+25S	NIL
22+25S	NIL
24+25S	NIL
20+50S	NIL
21+50S	NIL
22+50S	NIL
23+50S	NIL
24+50S	NIL
20+75S	NIL
21+75S	NIL
22+75S	NIL
23+75S	NIL
C-CC-S 011	NIL
C-CB-D 004	NIL
C-CB-D 013	NIL

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

jects retained one month.
ulps retained one month
unless specific arrangements

To: INTERNATIONAL KODIAK.
606, 675 Hastings Street,
Vancouver, B.C.

File No. 33475-SM
Date July 9, 1990
Samples Soil
Ref. Smithers # 00003

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.		PPB Au
CMBD L3+00W	22+75S	NIL
	24+75S	NIL
CMBD L4+70W	22+00S	NIL
	25+00S	NIL
	22+25S	NIL
	23+25S	NIL
	24+25S	NIL
	22+50S	NIL
	23+50S	NIL
	24+50S	NIL
	25+50S	NIL
	22+75S	NIL
	24+75S	NIL
	23+00W	NIL
CMBD 4+00W	21+00S	NIL
	22+00S	NIL
	23+00S	NIL
	24+00S	NIL
	21+25S	NIL
	22+25S	NIL
	23+25S	NIL
	21+50S	NIL
	22+50S	NIL
	23+50S	NIL
	24+50S	NIL
	21+75S	NIL
	22+75S	NIL
	23+75S	NIL
	24+75S	NIL
CMBD L1+00W	21+00S	NIL
	22+00S	NIL
	23+00S	NIL

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month unless specific arrangements are made in advance.

Assayer

CMBD L3+00W	20+00S	NIL
	21+00S	NIL
	22+00S	NIL
	23+00S	NIL
	24+00S	NIL
	25+00S	NIL
	20+25S	NIL
	21+25S	NIL
	22+25S	NIL
	23+25S	NIL
	24+25S	NIL
	20+50S	NIL
	21+50S	NIL
	22+50S	NIL
	23+50S	NIL
	24+50S	NIL
	20+75S	NIL
	21+75S	NIL

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

cts retained one month.
s retained one month
e specific arrangements

:RNATIONAL KODIAK
75 West Hastings Street
/er, B.C.,
V6B 1N2

File No. 33499-SM
Date July 11, 1990
Samples Rock/Soil
REF- Smithers #00004

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	ppb Au
Geochemical Analysis	
C-CB-R-039	5
040	5
041	NIL
042	NIL
043	NIL
044	NIL
045	NIL
046	NIL
047	NIL
048	NIL

C-CB-S-038	5
C-CD-S-001	5
002	10
003	NIL
004	5
005	NIL
006	NIL
007	NIL
008	NIL

To: INTERNATIONAL KODIAK,
606, 675 West Hastings Street,
Vancouver,B.C. V6B 1N2

ATTN: John Nicholson
cc: T. Termuende - Smithers

File No. 33506-SM
Date July 16, 1990
Samples Sediment
Ref. Smithers # 0006

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	PPB Au
Geochemical Analysis	
CMWS-048	NIL
049	NIL
051	NIL
052	NIL
053	NIL

To: INTERNATIONAL KODIAK,
506, 675 West Hastings Street,
Vancouver, B.C. V6B 1N1

fN: John Nicholson

cc: S. Jaycox - Smithers

File No. 33475-1-SM

Date July 19, 1990

Samples Pulp

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	% Zn
LORING	
"Assay Analysis"	
C-MBD-26	0.96

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

,ects retained one month.
rulps retained one month
unless specific arrangements
are made in advance.

Assayer

[redacted] INTERNATIONAL KODIAK,
[redacted]806, 675 Hastings Street,
[redacted]ancouver, B.C.

File No. 33475-SM
Date July 9, 1990
Samples Rock
Ref. Smithers # 00003

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	PPB Au
C-CB-R-023	NIL
024	NIL
025	NIL
026	NIL

To: INTERNATIONAL KODIAK,
606, 675 Hastings Street,
Vancouver, B.C.

File No. 33475-SM
Date July 9, 1990
Samples Soil
Ref. Smithers #[illegible]

Certificate of Assay
LORING LABORATORIES LTD.

Geochemical Analysis

SAMPLE NO.	PPB Au
C-CC-D-012	NIL
013	20
014	NIL
015	NIL
016	10
017	NIL
018	NIL
019	NIL
020	NIL
021	NIL
022	NIL
023	NIL
024	NIL
025	NIL
026	NIL
027	NIL
028	NIL
029	NIL
030	NIL
031	NIL
032	NIL
033	NIL
034	NIL
035	NIL
036	NIL
C-MB-D-010	NIL
011	NIL
012	NIL
013	NIL
014	NIL

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.

To: INTERNATIONAL KODIAK,
606, 675 Hastings Street,
Vancouver, B.C.

File No. 33475-SM
Date July 9, 1990
Samples Soil
Ref. Smithers # 00003

Certificate of Assay
LORING LABORATORIES LTD.

Page # 5

SAMPLE NO.	PPB Au
C-MB-D-015	NIL
016	NIL
017	NIL
019	NIL
020	NIL
021	NIL
022	NIL
023	NIL
024	NIL
025	NIL
026	NIL
027	NIL
028	NIL
029	NIL
030	NIL
031	NIL

I Hereby Certify. that the above results are those assays made by me upon the herein described samples....

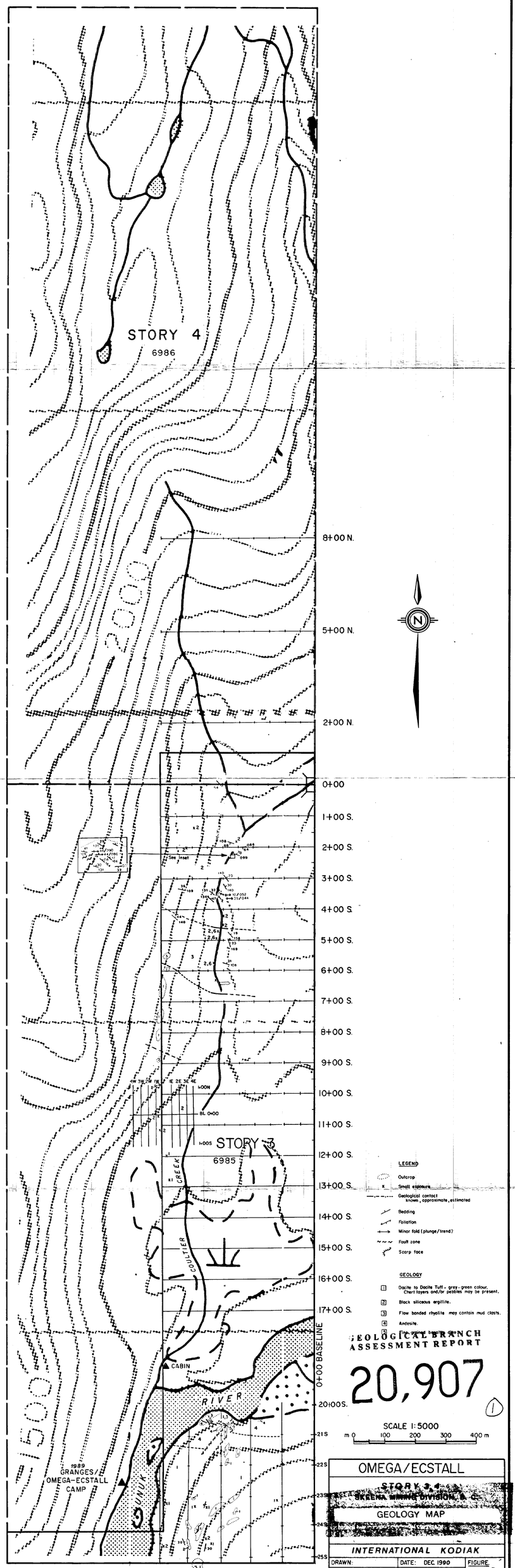
ects retained one month.
ulps retained one month
unless specific arrangements

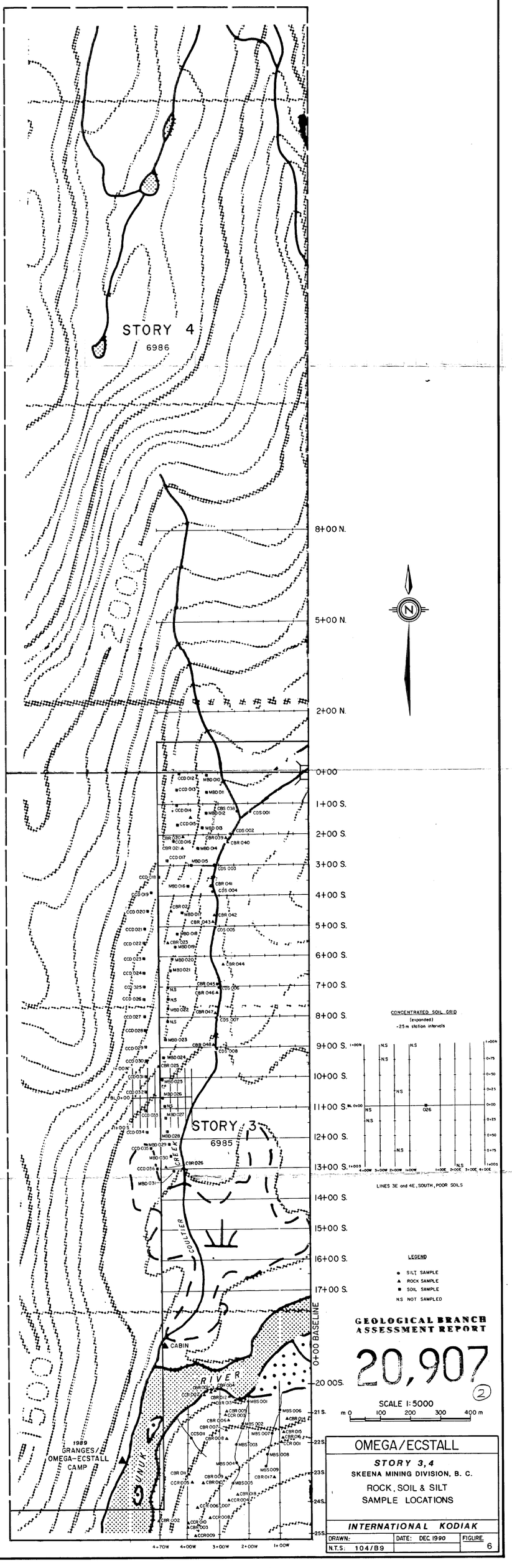
To: INTERNATIONAL KODIAK,
606, 675 Hastings Street,
ıcouver, B.C.

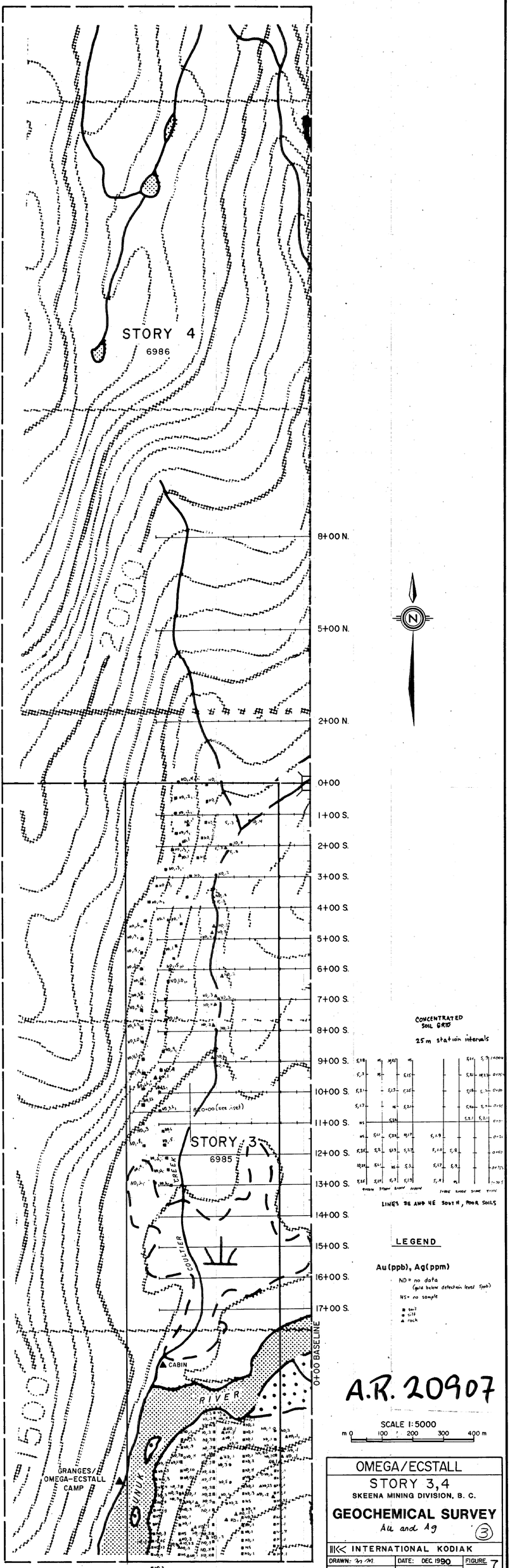
File No. 33475-SM
Date July 9, 1990
Samples Soil
Ref. Smithers # 00003

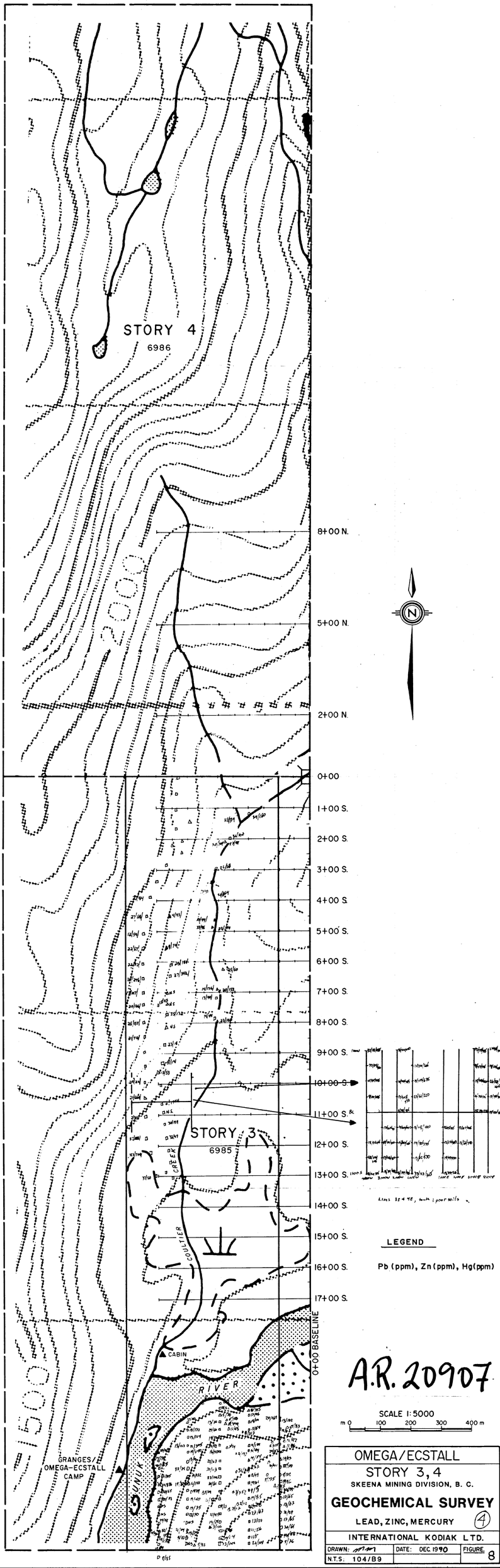
Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	PPB Au
Geochemical Analysis	
C-MBS-001	NIL
002	NIL
003	NIL
004	NIL
005	NIL
006	NIL
007	NIL
008	NIL
009	NIL


STORY 4
6986
STORY 3
6985
2000
1500
8+00 N.
5+00 N.
2+00 N.
0+00
1+00 S.
2+00 S.
3+00 S.
4+00 S.
5+00 S.
6+00 S.
7+00 S.
8+00 S.
9+00 S.
10+00 S.
11+00 S.
12+00 S.
13+00 S.
14+00 S.
15+00 S.
16+00 S.
17+00 S.
0+00 BASELINE
20+00S.
21S
22S
23S
24S
25S
4+70W
4+00W
3+00W
2+00W
1+00W
COULTER CREEK
SUNUK RIVER
CABIN
1989
GRANGES/
OMEGA-ECSTALL
CAMP
N
LEGEND
Outcrop
Small exposure
Geological contact
known, approximate, estimated
Bedding
Foliation
Minor fold (plunge/trend)
Fault zone
Scarp face
GEOLOGY
1 Dacite to Dacite Tuff - grey-green colour. Chert layers and/or pebbles may be present.
2 Black siliceous argillite.
3 Flow banded rhyolite may contain mud clasts.
4 Andesite.
GEOLOGICAL BRANCH
ASSESSMENT REPORT
20,907
SCALE 1:5000
m 0 100 200 300 400 m
OMEGA/ECSTALL
STORY 3,4
SKEENA MINING DIVISION, B.C.
GEOLOGY MAP
INTERNATIONAL KODIAK
DRAWN:
DATE: DEC 1990
FIGURE 5
N.T.S. 104/B9W


STORY 4
6986
STORY 3
6985
2000
1500
8+00 N.
5+00 N.
2+00 N.
0+00
1+00 S.
2+00 S.
3+00 S.
4+00 S.
5+00 S.
6+00 S.
7+00 S.
8+00 S.
9+00 S.
10+00 S.
11+00 S.
12+00 S.
13+00 S.
14+00 S.
15+00 S.
16+00 S.
17+00 S.
20+00S.
21 S.
22S.
23S.
24S.
25S.
0+00 BASELINE
COULTIER CREEK
SUSKWA RIVER
CABIN
1989 GRANGES/ OMEGA-ECSTALL CAMP
N
CONCENTRATED SOIL GRID
(expanded)
-25 m station intervals
LINES 3E and 4E, SOUTH, POOR SOILS
LEGEND
SILT SAMPLE
ROCK SAMPLE
SOIL SAMPLE
N.S NOT SAMPLED
GEOLOGICAL BRANCH
ASSESSMENT REPORT
20,907
(2)
SCALE 1:5000
m 0 100 200 300 400 m
OMEGA/ECSTALL
STORY 3,4
SKEENA MINING DIVISION, B. C.
ROCK, SOIL & SILT
SAMPLE LOCATIONS
INTERNATIONAL KODIAK
DRAWN:
DATE: DEC 1990
FIGURE 6
N.T.S. 104/B9


STORY 4
6986
STORY 3
6985
2000
8+00 N.
5+00 N.
2+00 N.
0+00
1+00 S.
2+00 S.
3+00 S.
4+00 S.
5+00 S.
6+00 S.
7+00 S.
8+00 S.
9+00 S.
10+00 S.
11+00 S.
12+00 S.
13+00 S.
14+00 S.
15+00 S.
16+00 S.
17+00 S.
0+00 BASELINE
COULTER CREEK
CABIN
RIVER
GRANGES/
OMEGA-ECSTALL
CAMP
ONUK
1600
CONCENTRATED
SOIL GRID
25 m station intervals
LINES 9E AND 4E SOUTH, POOR SOILS
LEGEND
Au (ppb), Ag (ppm)
ND = no data
(gold below detection level 5ppb)
NS = no sample
soil
silt
rock
A.R. 20907
SCALE 1:5000
m 0 100 200 300 400 m
OMEGA/ECSTALL
STORY 3,4
SKEENA MINING DIVISION, B. C.
GEOCHEMICAL SURVEY
Au and Ag
(3)
INTERNATIONAL KODIAK
DRAWN:
DATE: DEC. 1990
FIGURE 7
N.T.S. 104/B9



A.R. 20907

OMEGA/ECSTALL
STORY 3,4
SKEENA MINING DIVISION, B. C.
GEOCHEMICAL SURVEY
LEAD, ZINC, MERCURY (4)
INTERNATIONAL KODIAK LTD.

DRAWN:	DATE: DEC. 1990	FIGURE. 8
N.T.S. 104/B9		