

4838

92 H/5W

PRELIMINARY

GEOCHEMICAL AND GEOLOGICAL

SURVEY

NO CLAIMS

CANADIAN, B.C.

(49° 29' N., 121° 57' W.)

| | |
|--|--------|
| Department of Mines and Technical Resources | |
| Annual Report | |
| NO. 4838 | M.A.P. |

Field Work: 25 September to 24 October, 1973

Report: 20 December, 1973

D. Arscott

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INTRODUCTION

A preliminary survey has been carried out on the Ks claims to ascertain more fully the potential of the property for economic metal concentrations at volcanogenic origin.

The property consists of claims Ks #1 to 30, registered in the name of Fred Gurney, and Ks #2 Fraction registered in the name of William Chase.

The location is 2 miles N.E. of the N. end of Chehalis Lake, on the S. side of Mystery Valley and some 30 miles from Highway #7 at Harrison Mills, B.C. Since nearly half the property has been recently logged, land access is excellent, largely negotiable by 2-wheel drive vehicles.

GEOGRAPHIC

Pertinent features may be summarized as follows:

Altitude: 2500 to 4300 ft. A.S.L.

Terrain: Moderately steep in general and precipitous locally.

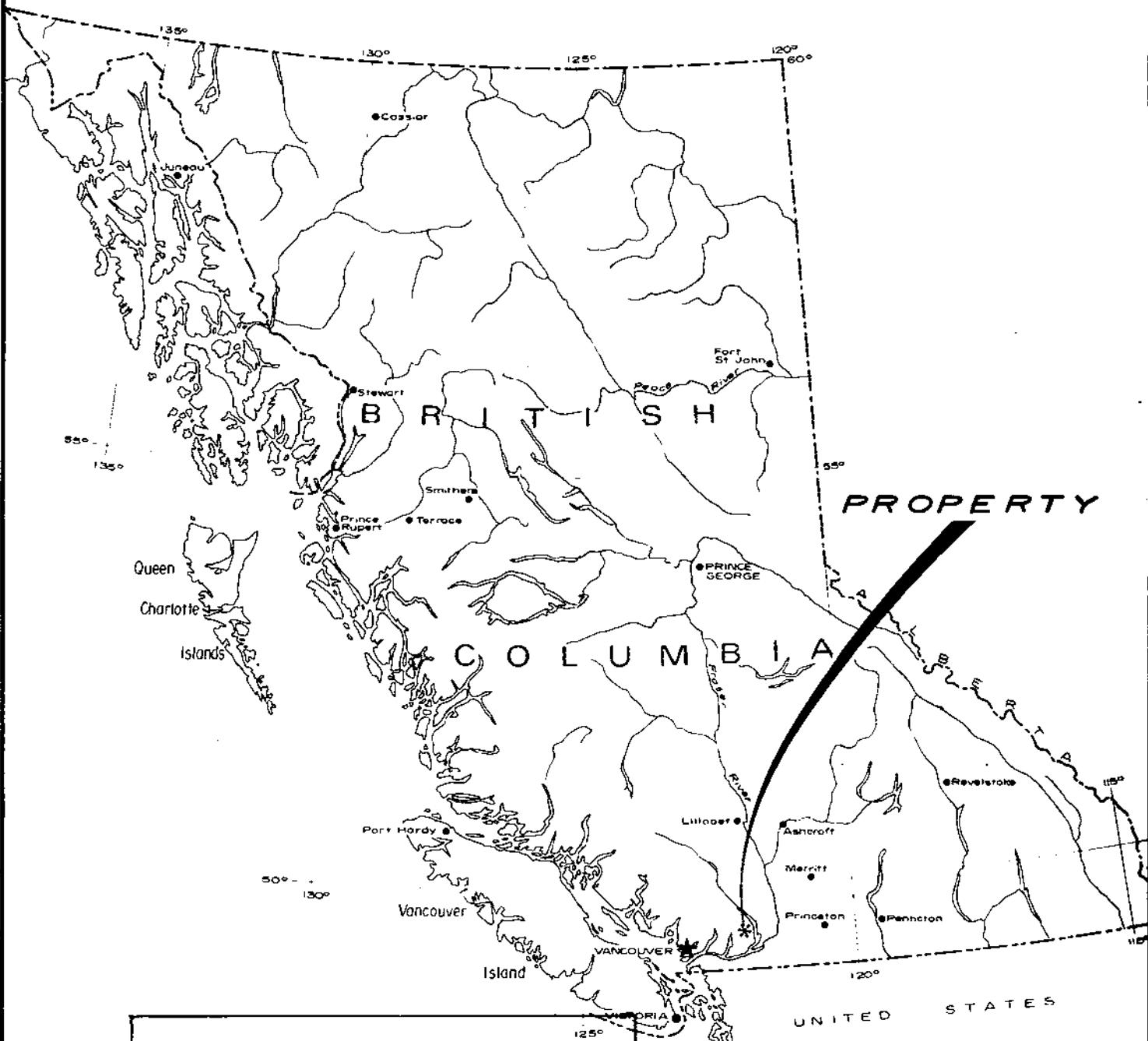
Vegetation: Fir, cedar and hemlock. Underbrush generally lacking, but locally very dense.

Climate: Coastal. Snow cover to be expected from late September to mid June.

GEOL

General:

A belt of mainly Jurassic volcanics occupies an area 20 miles long



Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 No. 4838 MAP #1

FIG. - I

GENERAL INDEX MAP

KU GROUP

SCALE

1" = 136 Miles

AUG. 1973

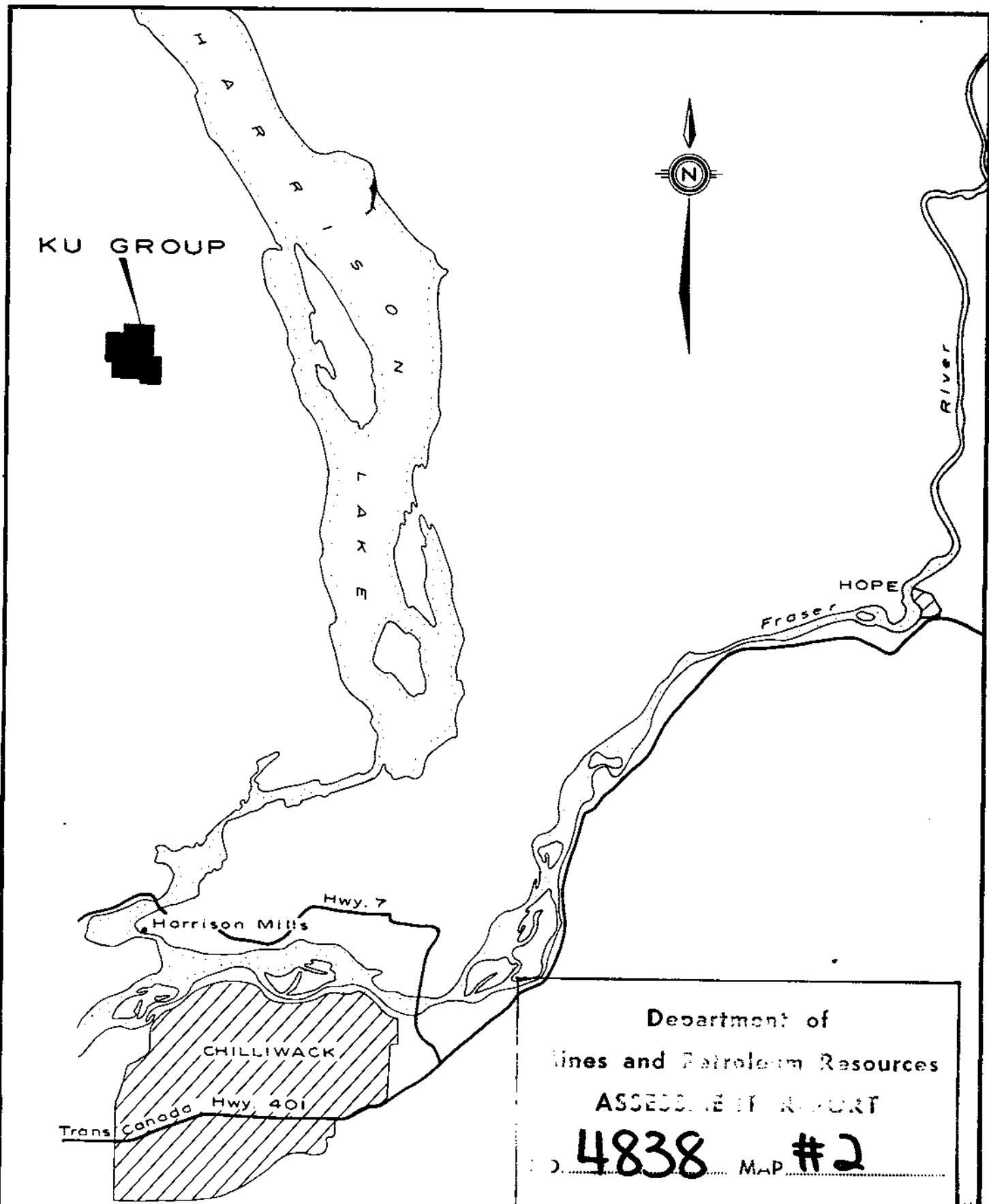


FIG. -2
PROPERTY LOCATION MAP
KU GROUP

SCALE
 1" = 4 Miles

AUG. 1973

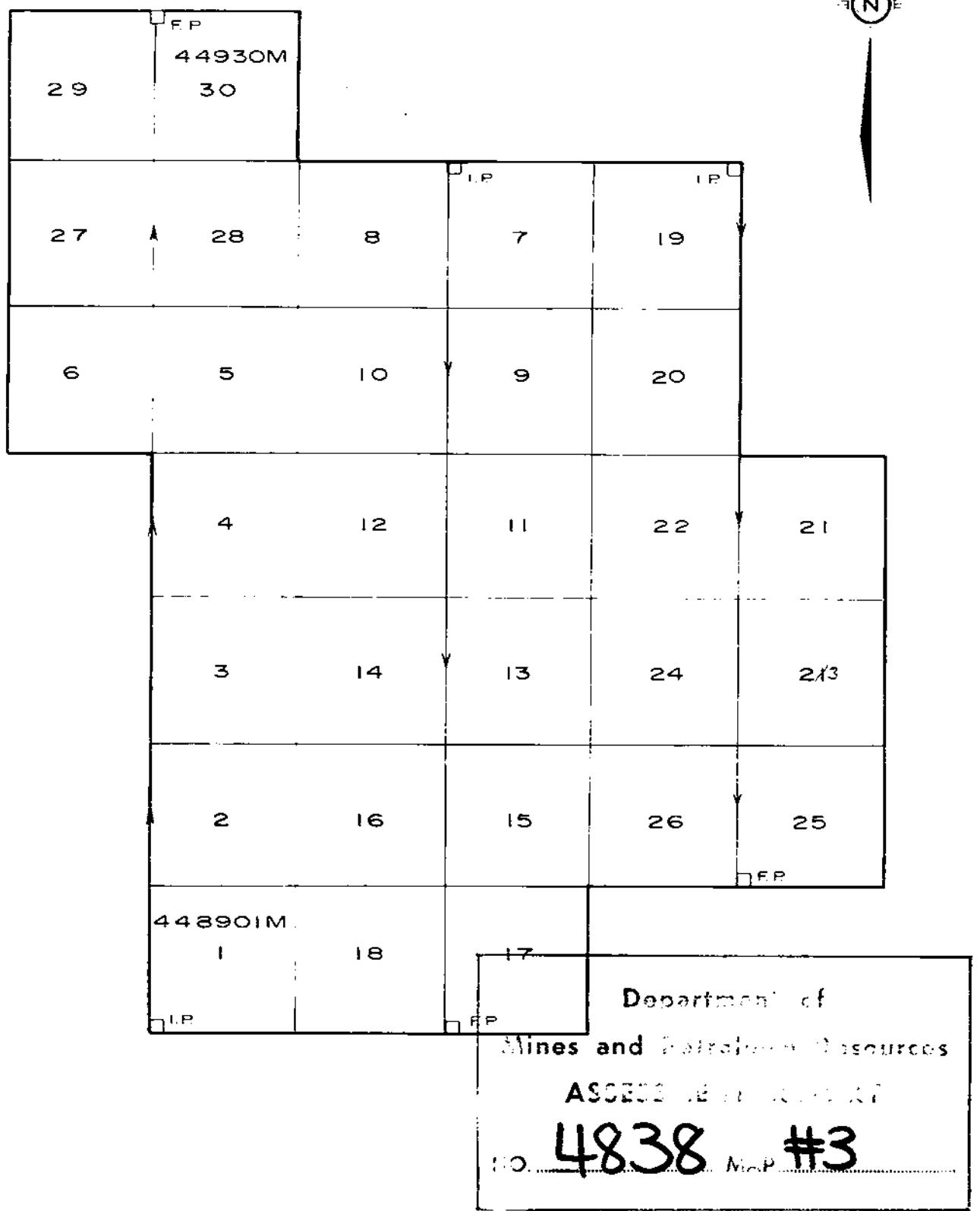


FIG. -3

CLAIM MAP

KU GROUP

SCALE IN FEET

1500 750 0 1500 3000

AUG. 1973

and 8 miles wide bounding the W. side of Harrison Lake, and is enclosed by intermediate composition Coast Intrusions of Jurassic to Cretaceous age.

The Xa claims are near the centre of this belt and cover the conformable contact between the Harrison Formation (pyroclastics) and the Echo Island Formation (sediments and tuffs).

Our mapping has not established the exact contact, but has outlined a sequence of rock units which may be broadly categorized as follows:

| <u>Unit</u> | <u>Description</u> | <u>Stratigraphic Interval</u> |
|-------------|--|-------------------------------|
| K. | Dacitic tuff. As I. | ? |
| J. | Marine tuff, argillaceous | 300' |
| I. | Dacitic tuff | 1500' |
| H. | Marker bed. As J. | 10' |
| G. | Shale. As K. | 200' |
| F. | Marker bed. Lapilli tuff to breccia, felsic, highly distinctive and erosion resistant | 10' |
| E. | Shale, argillaceous tuff, marine tuff | 1500' |
| D. | Dacitic to felsic tuffs and andesitic flows and/or intrusives | 1200' |
| C. | Lapilli tuff, andesitic, with occasional bombs | 100' |
| B. | Felsic tuff, rhyolitic to trachytic | 50' |
| A. | Tuffs (and probably flows) of andesitic to dacitic composition. Minor components are felsic tuffs (including a welded flow tuff?) and dacitic agglomerate | 1500'+ |

It should be emphasized that these categories, and especially the stratigraphic intervals, are tentative. Closer scrutiny will no doubt bring changes.

Structure

The reduction of outcrop data to mappable units has been relatively straightforward, but there are difficulties, for example Unit D which is complex in detail, comprising rapid textural gradations and exposed on a topographic slope which nearly parallels the stratigraphic dip.

Bedding orientation is obscure in the non-marine tuffs, with the remarkable exceptions of Units D and Y. These, though highly fragmental (lapilli tuff to breccia), outcrop with a uniform thickness of perhaps 10 feet along a strike distance of over half a mile.

Within some areas of the argillaceous marine sediments cleavage and/or shearing has been superimposed on the bedding and is often difficult to distinguish from it. It also appears that these sediments, and perhaps the marine tuffs into which they grade, have been the preferred locus for faulting.

The overall structural pattern seems to be one of moderate open easterly folding with moderately strong northerly (left-handed?) faulting.

Mineralization

- Minor sphalerite has been found in float at several localities:
- a) At 65., II. From its appearance and position this is local in origin, but there is no geochemical expression either nearby or up-slope.

- b) Along the road, 10 to 13°., 10 to 12 W. This could easily have originated from the vicinity of geochemical anomaly 'B' (Fig. 4a).
- c) In talus at SW., SW. In this case it undoubtedly originates from a small rust zone in the cliff face. This zone is within a rhyolitic tuff which may well be the same as that skirting the uplope edge of anomaly 'B', some 1500 feet to the S.E.

Pyrite and pyrrhotite are quite widespread, normally in amounts of less than 5%, but some of the rhyolitic tufts contain in excess of 5% and form light brown but obvious gossans ('G' on Fig. 3). Several of these gossans underlie anomaly 'B'.

GEOCHEMICAL

Approach

Six hundred and fifty-eight soil samples were collected, largely from the B soil horizon, and analyzed initially for Pb, Zn, and Cu. When it became clear that some of the soils were strongly anomalous in Pb, a selected group of samples were re-run for Ag content.

Thresholds were chosen as follows:

- Zn 370 ppm (involving 5% of the samples)
- Pb 60 ppm (involving 6% of the samples)
- Cu 95 ppm (involving 5% of the samples).

The first two are supported by cumulative log-probability plots and the third was chosen so that a matching percentage of the samples would be anomalous, since this was a reasonable percentage for stratigraphically

controlled mineralization. There are insufficient data to establish an Ag threshold properly. It would be perhaps 2 ppm.

Results

The outcome (Figs. 4a and 4b) is a clear Pb-Zn-Ag anomalous zone 6000 feet long and crudely parallel to the major stratigraphic trend. Cu anomalies also occupy this zone but are more scattered. Metal highs outside the zone mostly represent isolated samples and are not considered significant.

The zone is divisible into three main anomalies ('A', 'B', and 'C'). The latter two appear to be a single anomaly cut by and offset several hundred feet by a strong fault inferred from the mapping. The fit between the anomalies and the geology is not exact but could be very nearly made so by re-contouring of the geochemical values.

Anomaly 'A' may also be an offset segment of anomaly 'B' but the geological indications are ambiguous. Also possible is that anomaly 'A' is terminated to the N.W. by another fault.

Only the area underlying anomaly 'B' has been mapped in any detail. It consists of tuffaceous material of mixed compositions, including some of the rare tuff believed to represent a welded flow. Of special interest is the fairly well pyritized rhyolitic bed (specimen 6), which lies along the up-slope edge of the anomaly, and occurs directly under it to the S.E.

CONCLUSIONS

Although little new surface mineralization was revealed during the mapping, the size, strength, and orientation of the geochemically anomalous zone are most encouraging. Furthermore the presence of this zone in association with felsic volcanics, stratigraphically beneath marine sediments, confirms that we are in a first class volcanogenic environment.

The target has been considerably narrowed, and continued pursuit is obviously valid.

RECOMMENDATIONS

I. 1. Geochemical

- a) Continued reconnaissance soil sampling in the vicinity of Jump Creek and at the eastern end of the property
- b) Soil sample and/or rock chip sample detailing across the present anomalies
- c) Hg geochemical detailing on the upper side of the present anomalies.

I. Mapping

Detailed mapping of anomalous areas on a scale of 1" to 100', with detail prospecting.

II. Drilling and/or trenching as indicated from I.

Cordially submitted.

David Arscott

David Arscott
Minerals Staff
Chevron Standard Ltd.

ROCK SPECIMEN DESCRIPTIONS

Note: Underlined numbers have had a thin section analysis.

- #1 Lithic tuff, dacitic. Light green and fairly homogeneous in appearance. Occasional quartz clasts evident.
- #2 Tuff, dacitic? Green. Most fragments 1 to 2 mm, subangular to subrounded.
- #3 Feldspar pyroxene porphyry (probable flow), rhyolitic. Gray, granular appearance. Σ disseminated pyrrhotite.
- #4 Flow, andesitic. Gray to green. Possibly a fragmental.
- #5 Lapilli tuff, andesitic. Dark green. Most fragments 3 to 10 mm, subangular.
- #6 Lapilli tuff, rhyolitic. Gray to white. Apparent fragments up to 3 mm. Σ disseminated pyrite. Rusty weathering.
- #7 Crystal tuff, trachytic. White.
- #8 Lapilli tuff, andesitic. Dark green. Fragments up to 1 cm, subrounded.
- #9 Crystal tuff, marine. Gray. Unbedded and homogeneous. Granular appearance. Σ disseminated pyrite.
- #10 Shale, silty. Black, hard, and fairly fissile Σ pyrite present as minute disseminations.
- #11 Lithia tuff. 3 mm fragments of feldspar in dark matrix.
- #12 Lapilli tuff, andesitic. As #3.
- #13 Siltstone. Dark grey, with barely discernible thin layered bedding.
- #14 Chert, silty. Gray, with chondoidal fracture.
- #15a Basalt. Green. Alteration gives andesitic appearance.
- #15b Tuff, marine. Gray, with well defined, even bedding. Individual beds are 1 mm to 1 cm.
- #16 Tuff, sherty. Light grey, with no discernible bedding. Σ minute disseminations of pyrite.
- #17 Crystal tuff. Well layered marine tuff bearing knots of silicified lapilli.
- #18 Basalt. As #15a, but with rounded 5-mm inclusions similar to those in #17.

- #19 Lapilli tuff, rhyolitic. Most fragments 1 mm to 1 cm, and multi-coloured.
- #20 Tuff, rhyolitic. White. Σ disseminated pyro^hrotite.
- #22 Breccia, rhyolitic. Subrounded multicoloured fragments up to 3 cm. Similar to #19.
- #23 Flow, andesitic. Light green. Amygdaloïdal with carbonate? fillings.
- #24 Tuff, crystal, dacitic.
- #25 Argillite. Black, very siliceous (tuffaceous?).
- #26 Flow, plagioclase porphyry. Dacitic appearance. Purple cast.
- #27 Flow, as #26 but pale green.
- #28 ? Appears rhyolitic in hand specimen but thin section suggests that it is a tuffaceous siltstone.
- #29 Argillite. As #25.
- #30 Lapilli tuff, rhyolitic. Grey to purple. Angular fragments up to 1 cm.
- #31 Lithic tuff, andesitic. Green. Rounded 1-cm. fragments in fine-grained matrix (actually a second generation tuff).
- #32 Lithic tuff, andesitic. Green with some sherty green fragments up to 1 cm.
- #33a Lithic tuff, rhyolitic. May be a welded flow tuff. Coarse wavy green "grains" in a white matrix.
- #33b Lithic tuff, dacitic? Green.
- #34 Tuff, dacitic? Specimen comprises a 6" section across well-sorted tuff layers.
- #35 Flow, plagioclase porphyry. As #26.
- #36 Lapilli tuff, lithic. Green to gray. A few fragments to 2 cm. Fragments include sphalerite, pyrrhotite, trachyte, and felsite.
- #37 Tuff, dacitic. Light green. Granular appearance.
- #38 Tuff, dacitic or rhyolitic. Light green. Granular appearance.

CERTIFICATE

I, David Philip Arscott, am a Professional Engineer, registered in British Columbia, and with office address at 833 - 355 Burrard Street, Vancouver, B.C.

I personally carried out the geological mapping described, and supervised the overall survey on the Kn Clains.

David Arscott

David Arscott, P.Eng.

REFERENCES

Critchley, C. - Geology and Paleontology of the Harrison Lake District,
unpublished Ph.D. thesis, Stanford University, 1925.

Ries, H. - Map 1069A, Victoria - Vancouver, a compilation map published by
G.S.C., 1937.

Reddick, J. - Vancouver North, Coquitlam, and Pitt Lake Map Areas, Geological
Survey of Canada Memoir 335, 1963.

Bodison, E. - Ku Glain Group, an in-company report, August 1973.

Air photos: BC 4066 - 137, 138, 139.

OVERALL COSTS BREAKDOWN

KU CLAIMS - SEPTEMBER, 1973

EXPENSES

| | |
|--------------------------|-------------------|
| Analyzing | \$1,373.00 |
| Petrographic | 426.00 |
| Field Supplies | 353.14 |
| Food and lodging | 961.81 |
| Transportation | 634.15 |
| Drafting and reproducing | 157.72 |
| Office | <u>272.23</u> |
| | <u>\$4,200.05</u> |

LABOUR

| | |
|-----------------------|---------------------------|
| Field | 7,499.80 |
| Office | 1,515.00 |
| Travel | <u>350.00</u> |
| | <u>\$13,364.80</u> |
| TOTAL JOB COST | <u>\$13,364.85</u> |

DECLARATION

I, David Philip Arnott, hereby certify that the above figures truly represent the cost of carrying out the geological and geochemical survey of the KU Claims.

David Arnott

David Arnott, P.Eng.

Declared before me at the City
 of Vancouver, in the Province of British Columbia, this 27 Day of December 1973, A.D.

David Arnott

Jean Lerner
 A Council's Officer for Mining Affairs within British Columbia.
 B.C. Geological Survey and the Province of British Columbia.

Sub-mining Recorder

PROCEDURES

GRID

A 500 foot x 100 foot grid was established across most of the property, using nylon chains, compasses, and inclometer corrections for slopes. Lines were marked with flagging tape and blazing.

SOIL SAMPLING

Samples were removed, mainly from the 'B' horizon (depth 2" to 12"), by mattock, placed in standard paper geochemical bags, and shipped to Vangeochem Lab. Ltd. for analysis. Notes taken while sampling included soil colour, soil type, depth, and topographic slope.

SOIL ANALYSES

The samples were oven dried and the minus 80 mesh fraction analysed by standard atomic absorption methods for Pb, Zn, Cu, and Ag content.

Vancouver, B.C.
December 21, 1973

LABOUR COSTS

KU CLAIMS - SEPTEMBER, 1973

| <u>Name</u> | <u>Position</u> | <u>Address</u> | <u>Time</u> | <u>Rate</u> | <u>Cost</u> | |
|---------------|-----------------|--------------------------------------|--------------------|----------------|-------------------|-------------------|
| E. Dodson | Geologist | 833 - 355 Burrard St., Vancouver | 7 days | \$125.00 | \$875.00 | |
| D. Arscott | Geologist | 833 - 355 Burrard St., Vancouver | 24 days | 100.00 | 2,400.00 | |
| R. Stokes | Geologist | 713 - 744 W. Hastings St., Vancouver | 4-1/4 days | 50.00 | 200.00 | |
| P. Fitzgibbon | Party Chief | 713 - 744 W. Hastings St., Vancouver | 14-1/2 days | 58.00 | 832.00 | |
| V. Chase | Party Chief | 713 - 744 W. Hastings St., Vancouver | 17 days | 58.00 | 999.00 | |
| J. Kline | Sampler | 713 - 744 W. Hastings St., Vancouver | 19 days 8 days | 42.00 50.40 | 798.00 403.20 | |
| R. McRaehead | Sampler | 713 - 744 W. Hastings St., Vancouver | 17 days 11 days | 42.00 50.40 | 714.00 554.40 | |
| R. Caldwell | Sampler | 713 - 744 W. Hastings St., Vancouver | 10 days | 50.40 | 504.00 | |
| C. Macreddi | Sampler | 713 - 744 W. Hastings St., Vancouver | 10 days 10 days | 42.00 50.40 | 420.00 504.00 | |
| | | | | | TOTAL COST | \$9,364.00 |

DECLARATION

With respect to the Geological and Geochemical Survey of the Ku Claims, I, David Philip Arscott, solemnly declare that the above listed figures truly represent the labour costs involved in carrying out the survey.

Declared before me at the Vancouver, in the
of December, in the year 1973,
Province of British Columbia, this 27
day of December, A.D.

David Arscott
David Arscott, P.Eng.
20 December, 1973

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE NORTH VANCOUVER, B.C., CANADA TELEPHONE 604-988-2172

GEOCHEMICAL ANALYTICAL REPORT

REPORT N. 73-30-002 DATE Oct. 30, 1973
Job #73-334
SAMPLES SUBMITTED BY Stokes Exploration COMPANY Chevron Standard Limited
SHIPPED VIA Delivered FROM Chehalis Project
REPORT ON 322 geochem samples for Cu DATE SAMPLES ARRIVED Oct. 24, 1973
Pb, Zn

* * *

COPIES OF THIS REPORT SENT TO: **TRANSMITTED BY:**
(1) Chevron Standard Limited mail
#833 - 355 Burrard St.
(2) Vancouver, BC Attention: Mr. Dave Arscott
(3)

SAMPLES SIFTED OR GROUND TO -80 MESH WEIGHT USED 0.50 g
FINAL VOLUME 10 ml ALIQUOT USED n/a

* * *

METHOD OF ANALYSIS: Instrumental: Atomic Absorption Spec

EXTRACTION: Hot HClO - HNO digestion
4 3

Techtron AAS & AA1000

DETECTION:

SAMPLES ASSIGNMENT: (a) PREPARED SAMPLES: Filed
(b) REJECTS: Discarded

* * *

ANALYST(S) W. EA TYPIST ab.

SUPERVISING CHEMIST L. Nicol CHECKED BY C. CHIN

COSTS:

| | |
|--------------------|-----------|
| SHIPPING CHARGE | \$ 64.40 |
| SAMPLE PREPARATION | \$ 579.60 |
| ANALYSIS | \$ ----- |
| OTHER | \$ 64.00 |
| TOTAL | \$ ----- |

Invoices sent to:

Stokes Exploration Management Co Ltd.
744 West Hastings St.
Vancouver, BC

SPECIALIZING IN TRACE ELEMENT ANALYSIS

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

COMPANY : Chevron Standard Limited

REPORT No. 73-38-488 PAGE 1 OF 9

| MARKING | Ge | Tb | Th | | MARKING | Ge | Tb | Th | |
|---------|----|----|-----|-----------|---------|----|----|-----|--|
| 90 1 W | — | — | — | no sample | 208 5 E | 11 | 29 | 37 | |
| 2 | — | — | — | no sample | 6 | 19 | 29 | 45 | |
| 3 | 36 | 43 | 158 | | 7 | 29 | 27 | 91 | |
| 4 | 36 | 46 | 163 | | 8 | 25 | 30 | 99 | |
| 5 | 36 | 36 | 232 | | 9 | 26 | 36 | 99 | |
| 6 | 18 | 26 | 79 | | 10 | 46 | 36 | 77 | |
| 7 | 32 | 36 | 135 | | 11 | 33 | 23 | 42 | |
| 8 | 17 | 17 | 64 | | 12 | 25 | 30 | 95 | |
| 9 | 60 | 39 | 163 | | 13 | 35 | 36 | 113 | |
| 10 | 16 | 20 | 115 | | 14 | 25 | 27 | 89 | |
| 11 | 31 | 31 | 136 | | 15 | 25 | 30 | 76 | |
| 12 | 35 | 27 | 85 | | 16 | 19 | 26 | 86 | |
| 13 | 45 | 39 | 125 | | 17 | 26 | 36 | 92 | |
| 14 | 45 | 29 | 135 | | 18 | 36 | 36 | 100 | |
| 15 | 46 | 31 | 177 | | 19 | 34 | 35 | 37 | |
| 20 17 W | 32 | 27 | 127 | | 20 | 19 | 27 | 39 | |
| 208 1 E | 21 | 25 | 107 | | 21 | 36 | 36 | 100 | |
| 2 | 38 | 45 | 75 | | 22 | 36 | 36 | 99 | |
| 3 | 36 | 27 | 107 | | 23 | 34 | 35 | 37 | |
| 208 4 E | 15 | 36 | 63 | | 24 | 29 | 36 | 99 | |
| | | | | | 25 | 19 | 27 | 39 | |
| | | | | | 26 | 36 | 36 | 100 | |
| | | | | | 27 | 36 | 36 | 99 | |
| | | | | | 28 | 36 | 36 | 99 | |
| | | | | | 29 | 36 | 36 | 99 | |
| | | | | | 30 | 36 | 36 | 100 | |
| | | | | | 31 | 36 | 36 | 99 | |
| | | | | | 32 | 36 | 36 | 100 | |
| | | | | | 33 | 36 | 36 | 99 | |
| | | | | | 34 | 36 | 36 | 100 | |
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| | | | | | 108 | 36 | 36 | 100 | |
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| | | | | | 145 | 36 | 36 | 99 | |
| | | | | | 146 | 36 | 36 | 100 | |
| | | | | | 147 | 36 | 36 | 99 | |
| | | | | | 148 | 36 | 36 | 100 | |
| | | | | | 149 | 36 | 36 | 99 | |
| | | | | | 150 | 36 | 36 | 100 | |
| | | | | | 151 | 36 | 36 | 99 | |
| | | | | | 152 | 36 | 36 | 100 | |
| | | | | | 153 | 36 | 36 | 99 | |
| | | | | | 154 | 36 | 36 | 100 | |
| | | | | | 155 | 36 | 36 | 99 | |
| | | | | | 156 | 36 | 36 | 100 | |
| | | | | | 157 | 36 | 36 | 99 | |
| | | | | | 158 | 36 | 36 | 100 | |
| | | | | | 159 | 36 | 36 | 99 | |
| | | | | | 160 | 36 | 36 | 100 | |
| | | | | | 161 | 36 | 36 | 99 | |
| | | | | | 162 | 36 | 36 | 100 | |
| | | | | | 163 | 36 | 36 | 99 | |
| | | | | | 164 | 36 | 36 | 100 | |
| | | | | | 165 | 36 | 36 | 99 | |
| | | | | | 166 | 36 | 36 | 100 | |
| | | | | | 167 | 36 | 36 | 99 | |
| | | | | | 168 | 36 | 36 | 100 | |
| | | | | | 169 | 36 | 36 | 99 | |
| | | | | | 170 | 36 | 36 | 100 | |
| | | | | | 171 | 36 | 36 | 99 | |
| | | | | | 172 | 36 | 36 | 100 | |
| | | | | | 173 | 36 | 36 | 99 | |
| | | | | | 174 | 36 | 36 | 100 | |
| | | | | | 175 | 36 | 36 | 99 | |
| | | | | | 176 | 36 | 36 | 100 | |
| | | | | | 177 | 36 | 36 | 99 | |
| | | | | | 178 | 36 | 36 | 100 | |
| | | | | | 179 | 36 | 36 | 99 | |
| | | | | | 180 | 36 | 36 | 100 | |
| | | | | | 181 | 36 | 36 | 99 | |
| | | | | | 182 | 36 | 36 | 100 | |
| | | | | | 183 | 36 | 36 | 99 | |
| | | | | | 184 | | | | |

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

COMPANY: Chevron Standard Limited

REPORT No. 73-98-002 PAGE 2 OF 9

| MARKING | Cu | Pb | Zn | |
|----------|-----|-----|------|--|
| 298 1 W | 17 | 90 | 400 | |
| 2 | 26 | 265 | 590 | |
| 3 | 45 | 200 | 860 | |
| 4 | 35 | 85 | 590 | |
| 5 | 15 | 35 | 127 | |
| 6 | 29 | 120 | 3000 | |
| 7 | 12 | 90 | 70 | |
| 8 | 22 | 27 | 170 | |
| 9 | 11 | 20 | 186 | |
| 10 | 10 | 22 | 300 | |
| 11 | 37 | 103 | 320 | |
| 12 | 46 | 90 | 270 | |
| 13 | 100 | 110 | 450 | |
| 14 | 46 | 44 | 172 | |
| 15 | 25 | 31 | 232 | |
| 17 | 26 | 36 | 295 | |
| 19 | 62 | 28 | 600 | |
| 21 | 20 | 35 | 790 | |
| 298 23 W | 25 | 30 | 120 | |
| 298 2 E | 25 | 26 | 90 | |

| MARKING | Cu | Pb | Zn | |
|----------|----|----|-----|--|
| 298 2 E | 25 | 30 | 67 | |
| 3 | 25 | 23 | 65 | |
| 4 | 28 | 20 | 46 | |
| 5 | 49 | 24 | 70 | |
| 6 | 35 | 26 | 95 | |
| 7 | 32 | 23 | 35 | |
| 8 | 21 | 25 | 71 | |
| 9 | 25 | 25 | 92 | |
| 10 | 6 | 22 | 40 | |
| 11 | 25 | 22 | 70 | |
| 12 | 24 | 27 | 60 | |
| 13 | 20 | 23 | 49 | |
| 14 | 27 | 27 | 77 | |
| 15 | 5 | 22 | 38 | |
| 16 | 22 | 26 | 49 | |
| 17 | 25 | 25 | 40 | |
| 21 | 26 | 26 | 106 | |
| 22 | 27 | 25 | 295 | |
| 298 25 E | 25 | 22 | 30 | |

REMARKS

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

COMPANY Chesron Standard Limited

REPORT No. 73-38-002 PAGE 3 OF 9

| MARKING | Os | Pb | Sn | |
|-----------------|-----------|------------|------------|--|
| <u>238 27 E</u> | <u>27</u> | <u>22</u> | <u>46</u> | |
| <u>29</u> | <u>7</u> | <u>35</u> | <u>12</u> | |
| <u>308 31 E</u> | <u>13</u> | <u>23</u> | <u>32</u> | |
| <u>238 25 W</u> | <u>78</u> | <u>28</u> | <u>139</u> | |
| <u>308 1 E</u> | <u>25</u> | <u>110</u> | <u>425</u> | |
| <u>2</u> | <u>19</u> | <u>95</u> | <u>152</u> | |
| <u>3</u> | <u>15</u> | <u>65</u> | <u>57</u> | |
| <u>4</u> | <u>8</u> | <u>39</u> | <u>52</u> | |
| <u>5</u> | <u>27</u> | <u>27</u> | <u>104</u> | |
| <u>6</u> | <u>15</u> | <u>25</u> | <u>63</u> | |
| <u>7</u> | <u>31</u> | <u>26</u> | <u>49</u> | |
| <u>8</u> | <u>27</u> | <u>570</u> | <u>67</u> | |
| <u>9</u> | <u>10</u> | <u>58</u> | <u>27</u> | |
| <u>10</u> | <u>10</u> | <u>27</u> | <u>29</u> | |
| <u>11</u> | <u>15</u> | <u>32</u> | <u>43</u> | |
| <u>12</u> | <u>5</u> | <u>15</u> | <u>22</u> | |
| <u>13</u> | <u>15</u> | <u>27</u> | <u>37</u> | |
| <u>14</u> | <u>39</u> | <u>29</u> | <u>49</u> | |
| <u>15</u> | <u>28</u> | <u>25</u> | <u>82</u> | |
| <u>308 17 E</u> | <u>29</u> | <u>27</u> | <u>99</u> | |

| MARKING | Os | Pb | Sn | |
|-----------------|------------|------------|------------|--|
| <u>308 19 E</u> | <u>23</u> | <u>27</u> | <u>65</u> | |
| <u>21</u> | <u>20</u> | <u>25</u> | <u>91</u> | |
| <u>23</u> | <u>15</u> | <u>25</u> | <u>44</u> | |
| <u>25</u> | <u>30</u> | <u>27</u> | <u>238</u> | |
| <u>27</u> | <u>32</u> | <u>28</u> | <u>405</u> | |
| <u>29</u> | <u>7</u> | <u>15</u> | <u>27</u> | |
| <u>308 31 E</u> | <u>9</u> | <u>20</u> | <u>31</u> | |
| <u>308 1 E</u> | <u>12</u> | <u>40</u> | <u>33</u> | |
| <u>2</u> | ---- | no sample | ----- | |
| <u>3</u> | <u>14</u> | <u>37</u> | <u>55</u> | |
| <u>4</u> | <u>25</u> | <u>197</u> | <u>85</u> | |
| <u>5</u> | <u>15</u> | <u>165</u> | <u>51</u> | |
| <u>6</u> | ---- | no sample | ----- | |
| <u>7</u> | <u>12</u> | <u>199</u> | <u>44</u> | |
| <u>8</u> | <u>16</u> | <u>50</u> | <u>57</u> | |
| <u>9</u> | <u>130</u> | <u>112</u> | <u>900</u> | |
| <u>10</u> | ---- | no sample | ----- | |
| <u>11</u> | <u>20</u> | <u>25</u> | <u>43</u> | |
| <u>308 18 E</u> | <u>34</u> | <u>20</u> | <u>37</u> | |

REMARKS

All values are reported in parts per million unless specified otherwise. All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

COMPANY

Chessex Standard Limited

REPORT No. 73-30-002 PAGE 4 OF 9

| MARKING | Os | Pb | Zn | |
|----------|------|-----------|------|--|
| 398 23 X | 17 | 15 | 25 | |
| 24 | 25 | 20 | 42 | |
| 25 | 38 | 23 | 31 | |
| 37 | 16 | 20 | 23 | |
| 39 | 14 | 25 | 27 | |
| 21 | 11 | 30 | 46 | |
| 23 | 10 | 27 | 36 | |
| 25 | 27 | 26 | 227 | |
| 27 | 21 | 33 | 135 | |
| 29 | 20 | 26 | 100 | |
| 398 31 X | 12 | 35 | 227 | |
| 398 1 V | 15 | 25 | 54 | |
| 2 | 26 | 57 | 237 | |
| 3 | 26 | 55 | 340 | |
| 4 | 50 | 33 | 167 | |
| 5 | 40 | 28 | 169 | |
| 6 | ---- | no sample | ---- | |
| 7 | 15 | 30 | 58 | |
| 8 | 17 | 25 | 71 | |
| 398 9 V | 25 | 36 | 111 | |

| MARKING | Os | Pb | Zn | |
|----------|------|-----------|------|--|
| 398 10 V | 24 | 20 | 35 | |
| 11 | 70 | 62 | 462 | |
| 12 | 24 | 18 | 47 | |
| 13 | 67 | 37 | 295 | |
| 14 | 41 | 35 | 335 | |
| 15 | 50 | 33 | 190 | |
| 17 | 20 | 27 | 69 | |
| 21 | 21 | 18 | 36 | |
| 23 | 50 | 26 | 105 | |
| 25 | 240 | 24 | 42 | |
| 27 | 31 | 25 | 72 | |
| 29 | ---- | no sample | ---- | |
| 398 31 V | 27 | 25 | 100 | |
| 398 23 V | 18 | 18 | 38 | |
| 25 | 29 | 21 | 46 | |
| 27 | 30 | 25 | 76 | |
| 29 | 30 | 24 | 48 | |
| 398 31 V | 225 | 25 | 50 | |
| 408 9 V | 24 | 24 | 125 | |

REMARKS

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Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

COMPANY **Chevron Standard Limited**

REPORT No. **73-38-002** PAGE **5** OF **9**

| MARKING | Os | Pb | Zn |
|-----------------|------------|-----------|------------|
| 408 19 W | 62 | 27 | 198 |
| 11 | 17 | 36 | 58 |
| 12 | 15 | 24 | 41 |
| 13 | 35 | 35 | 225 |
| 14 | 11 | 20 | 46 |
| 15 | 40 | 36 | 127 |
| 17 | 16 | 25 | 54 |
| 19 | 27 | 24 | 73 |
| 408 21 W | 47 | 26 | 97 |
| 428 1 W | 10 | 22 | 22 |
| 2 | 62 | 38 | 199 |
| 3 | 72 | 40 | 147 |
| 4 | 9 | 12 | 25 |
| 5 | 55 | 36 | 123 |
| 6 | 112 | 38 | 175 |
| 7 | 15 | 27 | 50 |
| 428 8 W | 21 | 31 | 47 |
| 428 1 E | 21 | 29 | 53 |
| 2 | 19 | 40 | 60 |
| 428 3 E | 75 | 40 | 126 |

| MARKING | Os | Pb | Zn |
|-----------------|-----------|-----------|------------|
| 428 4 E | 15 | 25 | 47 |
| 5 | 29 | 33 | 66 |
| 6 | 20 | 36 | 87 |
| 7 | 65 | 46 | 295 |
| 8 | 50 | 32 | 92 |
| 9 | 73 | 60 | 415 |
| 10 | 25 | 25 | 38 |
| 11 | 81 | 43 | 263 |
| 12 | 37 | 39 | 49 |
| 13 | 15 | 25 | 28 |
| 14 | 15 | 38 | 21 |
| 15 | 25 | 30 | 28 |
| 17 | 30 | 36 | 56 |
| 19 | 27 | 34 | 38 |
| 21 | 25 | 25 | 66 |
| 23 | 83 | 25 | 77 |
| 25 | 27 | 15 | 42 |
| 27 | 16 | 36 | 29 |
| 428 29 E | 22 | 25 | 39 |

REMARKS

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Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

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COMPANY **Chevron Standard Limited**

REPORT No.73-38-002 PAGE 6 OF 9

| MARKING | Ge | Tb | Zn | |
|-----------|--------------------------|----|-----|---|
| 498 318 | 17 | 25 | 60 | |
| 498 11 | — no sample — | | | |
| 2 | 77 | 29 | 195 | |
| 3 | 33 | 32 | 95 | |
| 4 | 89 | 25 | 222 | |
| 5 | 25 | 30 | 91 | |
| 6 | 25 | 34 | 66 | ✓ |
| 7 | 36 | 55 | 113 | |
| 8 | 240 | 32 | 385 | |
| 498 97 | 25 | 27 | 56 | |
| 508 12 | 26 | 25 | 50 | |
| 2 | 26 | 24 | 47 | |
| 3 organic | 115 | 25 | 305 | |
| 4 | 16 | 27 | 72 | |
| 5 | 57 | 20 | 116 | |
| 6 | 32 | 12 | 23 | |
| 7 | 55 | 27 | 108 | J |
| 8 | 24 | 25 | 49 | |
| 9 | 59 | 30 | 76 | |
| 508 348 | 20 | 28 | 44 | |

| MARKING | Ge | Tb | Zn | |
|------------|-----|----|-----|------------------------|
| 508 118 | 225 | 33 | 450 | |
| 12 | 120 | 26 | 64 | |
| 13 | 95 | 27 | 330 | |
| 14 | 160 | 30 | 210 | |
| 15 | 31 | 25 | 127 | 2008 sample |
| 17 | 85 | 24 | 300 | |
| 19 | 21 | 27 | 110 | |
| 21 | 26 | 26 | 145 | |
| 23 organic | 27 | 26 | 43 | |
| 25 | 25 | 25 | 64 | |
| 27 | 30 | 25 | 83 | ✓ |
| 29 | 58 | 25 | 109 | |
| 508 348 | 29 | 25 | 65 | |
| 508 18 | 9 | 13 | 37 | |
| 2 | 10 | 16 | 22 | |
| 3 | 20 | 29 | 23 | |
| 4 | 59 | 25 | 75 | |
| 5 | 32 | 15 | 26 | |
| 508 70 | 25 | 17 | 38 | |

REMARKS

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

COMPANY **Chevron Standard Limited**

REPORT No.73-30-002 PAGE 7 OF 9

| MARKING | Os | Pb | Sn | |
|---------|----|----|-----|--|
| 598 1X | 59 | 19 | 52 | |
| 2 | 15 | 15 | 23 | |
| 3 | 26 | 12 | 22 | |
| 4 | 20 | 21 | 58 | |
| 5 | 30 | 39 | 44 | |
| 6 | 9 | 11 | 18 | |
| 7 | 21 | 29 | 50 | |
| 8 | 37 | 22 | 100 | |
| 9 | 46 | 18 | 79 | |
| 10 | 15 | 17 | 41 | |
| 11 | 36 | 33 | 63 | |
| 12 | 12 | 20 | 35 | |
| 13 | 47 | 48 | 73 | |
| 14 | 57 | 36 | 282 | |
| 15 | 85 | 70 | 215 | |
| 17 | 26 | 20 | 48 | |
| 19 | 35 | 28 | 63 | |
| 21 | 43 | 20 | 75 | |
| 23 | 61 | 23 | 27 | |
| 598 258 | 25 | 26 | 26 | |

| MARKING | Os | Pb | Sn | |
|---------|----|----|----|--|
| 598 278 | 28 | 25 | 55 | |
| 29 | 25 | 24 | 55 | |
| 598 348 | 27 | 46 | 68 | |
| 598 1X | 86 | 17 | 24 | |
| 2 | 37 | 22 | 47 | |
| 3 | 22 | 23 | 39 | |
| 4 | 26 | 38 | 51 | |
| 5 | 24 | 25 | 35 | |
| 6 | 22 | 25 | 45 | |
| 7 | 26 | 17 | 26 | |
| 8 | 22 | 20 | 33 | |
| 9 | 35 | 73 | 74 | |
| 10 | 41 | 43 | 68 | |
| 11 | 27 | 28 | 58 | |
| 598 12W | 22 | 25 | 49 | |
| 698 1Z | 32 | 22 | 47 | |
| 2 | 27 | 25 | 36 | |
| 3 | 36 | 38 | 58 | |
| 698 4Z | 38 | 29 | 48 | |

REMARKS

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Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

COMPANY ~~Chesron Standard Limited~~

REPORT No.73-38-002 PAGE 8 OF 9

| MARKING | Os | Pb | Zn | |
|---------|-----|----|-----|-------------|
| 608 52 | 20 | 20 | 39 | |
| 6 | 38 | 22 | 44 | |
| 7 | 42 | 21 | 45 | |
| 8 | 53 | 23 | 49 | |
| 9 | 20 | 16 | 25 | |
| 10 | 112 | 22 | 40 | |
| 11 | 97 | 45 | 57 | |
| 12 | 270 | 25 | 26 | |
| 13 | 35 | 20 | 32 | |
| 14 | 15 | 17 | 35 | |
| 15 | 25 | 22 | 51 | |
| 17 | 24 | 20 | 56 | |
| 19 | 53 | 15 | 49 | |
| 21 | 26 | 10 | 33 | poor sample |
| 23 | 18 | 20 | 31 | |
| 25 | 22 | 20 | 61 | |
| 27 | 20 | 20 | 46 | |
| 29 | 70 | 25 | 300 | |
| 608 312 | 12 | 18 | 22 | |
| 608 27 | 36 | 20 | 45 | |

| MARKING | Os | Pb | Zn | |
|---------|-----|----|----|--|
| 608 31 | 25 | 37 | 32 | |
| 4 | 10 | 17 | 27 | |
| 5 | 10 | 20 | 29 | |
| 6 | 47 | 24 | 32 | |
| 7 | 23 | 37 | 46 | |
| 8 | 31 | 23 | 46 | |
| 9 | 45 | 25 | 48 | |
| 608 108 | 98 | 33 | 76 | |
| 608 112 | 15 | 17 | 23 | |
| 2 | 12 | 20 | 21 | |
| 3 | 39 | 33 | 29 | |
| 4 | 15 | 25 | 26 | |
| 5 | 22 | 26 | 29 | |
| 6 | 36 | 37 | 32 | |
| 7 | 45 | 26 | 29 | |
| 8 | 50 | 39 | 36 | |
| 9 | 127 | 26 | 40 | |
| 10 | 45 | 25 | 32 | |
| 608 412 | 60 | 30 | 49 | |

REMARKS

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

COMPANY **Stevens Standard United**

REPORT No 77-38-002 PAGE 2 OF 9

| MARKING | On | To | In |
|---------|----|----|-----|
| 65 138 | 48 | 25 | 198 |
| 14 | 42 | 38 | 93 |
| 15 | 33 | 55 | 107 |
| 17 | 22 | 17 | 39 |
| 19 | 40 | 29 | 44 |
| 21 | 26 | 29 | 54 |
| 23 | 83 | 43 | 228 |
| 25 | 57 | 41 | 335 |
| 27 | 45 | 26 | 138 |
| 29 | 27 | 26 | 77 |
| 65 313 | 25 | 15 | 50 |
| 65 14 | 10 | 11 | 25 |
| 2 | 12 | 15 | 38 |
| 3 | 16 | 20 | 73 |
| 4 | 11 | 15 | 26 |
| 65 58 | 27 | 23 | 57 |
| 65 38 | 25 | 25 | 26 |
| 35 29 5 | 26 | 16 | 42 |

REMARKS

All values are reported in parts per million unless specified otherwise. All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE NORTH VANCOUVER, B.C., CANADA TELEPHONE 604-988-2172

GEOCHEMICAL ANALYTICAL REPORT

REPORT No. 73-39-863 DATE 30 November, 1973

Job No. 73-392 SAMPLES SUBMITTED BY COMPANY Chevron Standard Inc.

SHIPPED VIA ~~from file~~ FROM Chelalik Project

REPORT ON 59 samples for Ag DATE SAMPLES ARRIVED ~~from file~~ 1973

* * *

COPIES OF THIS REPORT SENT TO:

TRANSMITTED BY:

(1) Chevron Standard Inc., Vancouver, B.C. mail

(2) _____

(3) _____

SAMPLES SIFTED OR GROUNDED TO -80 MESH WEIGHT USED 0.50 g

FINAL VOLUME 10 ml ALIQUOT USED ~~a/b~~

* * *

METHOD OF ANALYSIS: Instrumental - Atomic Absorption

EXTRACTION: Hot HCl - HNO₃ digestion

DETECTION: Technicon AAS

SAMPLES ASSIGNED: (a) PREPARED SAMPLES: 20-013-04

(b) REJECTS: ~~a/b~~

* * *

ANALYST(S) R.A. TYPIST 1a

SUPERVISING CHEMIST L. Eberl CHECKED BY C. W. L.

COSTS:

| | |
|--------------------|----------|
| SHIPPING CHARGE | \$ — |
| SAMPLE PREPARATION | \$ — |
| ANALYSIS | \$ 59.00 |
| OTHER | \$ — |
| TOTAL | \$ 59.00 |

SPECIALIZING IN TRACE ELEMENT ANALYSIS

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

COMPANY ~~Chlorine Standard Ltd.~~

REPORT No. ~~73-30-002~~ PAGE 1 OF 2

| MARKING | Ag | | |
|----------|-----|-----------------------|--|
| 0400 72 | 1.0 | Report # 73-30-002 | |
| 30 | 0.5 | * | |
| 344 | 4.0 | * | |
| 138 | 6.0 | * | |
| 0400 178 | 4.0 | * | |
| 50 72 | 1.5 | * | |
| 50 68 | 1.0 | * | |
| 198 | 2.0 | * | |
| 50 198 | 2.5 | * | |
| 100 98 | 2.0 | * | |
| 100 68 | 1.5 | * | |
| 198 218 | 3.0 | * | |
| 198 68 | 2.0 | * | |
| 18 | 7.0 | * | |
| 20 | 3.0 | * | |
| 30 | 5.5 | * | |
| 50 | 1.5 | * | |
| 68 | 2.5 | * | |
| 70 | 1.5 | * | |
| 198 68 | 2.5 | * | |

| MARKING | Ag | | |
|---------|-----|-----------------------|--|
| 198 128 | 2.0 | Report # 73-30-002 | |
| 200 98 | 0.5 | " | |
| 298 108 | 0.5 | " | |
| 298 28 | 2.5 | " | |
| 30 | 9.5 | * | |
| 40 | 3.0 | " | |
| 298 98 | 2.0 | * | |
| 400 18 | 0.5 | * | |
| 20 | 2.0 | * | |
| 30 | 1.5 | * | |
| 60 | 2.5 | * | |
| 400 108 | 2.0 | * | |
| 50 30 | 1.0 | Report # 73-30-002 | |
| 50 40 | 1.5 | * | |
| 200 17 | 2.5 | * | |
| 20 | 3.5 | * | |
| 30 | 3.5 | * | |
| 60 | 3.0 | " | |
| 298 138 | 2.5 | * | |

REMARKS

All values are reported in parts per million unless specified otherwise. All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

COMPANY Chittenden Standard, Ltd.

REPORT No. 73-28-00 PAGE 2 OF 2

| MARKING | Ag | report # |
|---------|-----|-----------|
| 200 342 | 1.5 | 77-78-003 |
| 300 12 | 2.0 | * |
| 23 | 1.5 | * |
| 32 | 1.5 | * |
| 300 62 | 1.5 | * |
| 325 35 | 1.5 | * |
| 42 | 2.0 | * |
| 52 | 1.0 | * |
| 72 | 1.0 | * |
| 82 | 0.5 | * |
| 92 | 1.5 | * |
| 252 | 1.5 | * |
| 325 232 | 1.5 | * |
| 422 22 | 1.5 | * |
| 432 92 | 1.5 | * |
| 500 62 | 0.5 | * |
| 525 152 | 2.0 | * |
| 600 122 | 1.0 | * |
| 625 72 | 1.5 | * |
| 625 152 | 1.0 | * |

REMARKS

All values are reported in parts per million unless specified otherwise. All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE NORTH VANCOUVER, B.C., CANADA TELEPHONE 604-988-2172

GEOCHEMICAL ANALYTICAL REPORT

REPORT No. 73-38-001 DATE Oct. 25, 1973
Job #73-325

SAMPLES SUBMITTED BY Mr. R. Stobie COMPANY Chevron Standard Limited
SHIPPED VIA Delivered FROM Chimelis Project

REPORT ON 335 soil samples for Cu, Pb, Zn DATE SAMPLES ARRIVED Oct. 18, 1973

* * *

COPIES OF THIS REPORT SENT TO:

TRANSMITTED BY:

- (1) Chevron Standard Limited
PO BOX - 335 Burnside St.
(2) Vancouver 1, B.C. Attention: Mr. D. Abbott
(3)

mail

SAMPLES SIFTED OR GROUNDED TO -30 MESH WEIGHT USED 0.50 g
FINAL VOLUME 30 ml ALIQUOT USED 1/4

* * *

METHOD OF ANALYSIS: Instrumental: Atomic Absorption Spec

EXTRACTION: Hot HClO - 200 Digestion
4 3

DETECTION: Tetracon AAS & AAS 800

SAMPLES ASSIGNMENT: (a) PREPARED SAMPLES: 73344

(b) REJECTS: Discarded

* * *

ANALYST(S) RW, SR TYPIST DR

SUPERVISING CHEMIST B. Stobie CHECKED BY C. Chen

COSTS:

| | | | |
|---|--------------------|----|---------------|
| Invitations sent to: | SHIPPING CHARGE | \$ | <u>67.00</u> |
| Stobie Exploration Management Co., Ltd. | SAMPLE PREPARATION | \$ | <u>603.00</u> |
| 704 West Hastings St. | ANALYSIS | \$ | <u>670.00</u> |
| Vancouver, BC | OTHER | \$ | |
| | TOTAL | \$ | <u>670.00</u> |

SPECIALIZING IN TRACE ELEMENT ANALYSIS

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

COMPANY Chevron Standard Limited

REPORT No. 73-38-001 PAGE 1 OF 9

| MARKING | Ge | Pb | Zn |
|----------|-----|----|-----|
| 0400 1 E | 32 | 27 | 175 |
| 2 | 36 | 29 | 205 |
| 3 | 27 | 27 | 183 |
| 4 | 35 | 30 | 127 |
| 5 | 68 | 50 | 107 |
| 6 | 66 | 34 | 198 |
| 7 | 12 | 16 | 67 |
| 8 | 41 | 25 | 116 |
| 9 | 25 | 20 | 107 |
| 10 | 28 | 19 | 56 |
| 11 | 40 | 26 | 143 |
| 12 | 19 | 25 | 146 |
| 13 | 38 | 22 | 95 |
| 14 | 110 | 45 | 490 |
| 15 | 25 | 25 | 107 |
| 27 | 90 | 41 | 330 |
| 39 | 28 | 27 | 158 |
| 53 | 50 | 43 | 44 |
| 23 | 22 | 16 | 57 |
| 0400 25E | 62 | 24 | 162 |

| MARKING | Ge | Pb | Zn |
|-----------|-----|-----|------|
| 0400 27E | 32 | 26 | 92 |
| 29 | 11 | 12 | 23 |
| 0400 32E | 33 | 26 | 328 |
| 0400 1W | 13 | 26 | 102 |
| 2 | 5 | 25 | 37 |
| 3 | 7 | 22 | 26 |
| 4 | 20 | 25 | 120 |
| 5 | 38 | 40 | 275 |
| 6 | 15 | 25 | 112 |
| 7 | 12 | 21 | 75 |
| 8 | 19 | 26 | 58 |
| 9 | 38 | 20 | 86 |
| 10 | 9 | 14 | 39 |
| 11 | 23 | 24 | 104 |
| 12 | 21 | 47 | 96 |
| 13 | 22 | 30 | 60 |
| 14 | 150 | 200 | 168 |
| 26 | 190 | 270 | 2220 |
| 0400 37 E | 160 | 275 | 760 |

REMARKS

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1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

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REPORT No. 73-30-002 PAGE 2 OF 2

| MARKING | Cu | Pb | Zn |
|-----------|-----|----|-----|
| 0100 19 E | 48 | 32 | 135 |
| 21 | 39 | 25 | 120 |
| 23 E | 32 | 17 | 46 |
| 0100 B L | 22 | 25 | 150 |
| 5 8 3 L | 45 | 26 | 169 |
| 5 1 E | 23 | 25 | 218 |
| 2 | 17 | 27 | 100 |
| 3 | 42 | 27 | 90 |
| 4 | 87 | 50 | 470 |
| 5 | 137 | 37 | 200 |
| 6 | 29 | 49 | 150 |
| 7 | 46 | 45 | 247 |
| 8 | 51 | 53 | 375 |
| 9 | 325 | 62 | 282 |
| 10 | 88 | 33 | 265 |
| 11 | 66 | 22 | 163 |
| 12 | 37 | 23 | 164 |
| 13 | 38 | 27 | 92 |
| 24 | 19 | 14 | 60 |
| 5 8 15 E | 21 | 21 | 113 |

| MARKING | Cu | Pb | Zn |
|----------|----|----|-----|
| 5 8 27 E | 58 | 39 | 215 |
| 29 | 26 | 20 | 162 |
| 21 | 43 | 21 | 115 |
| 23 | 31 | 20 | 128 |
| 25 | 26 | 20 | 127 |
| 27 | 27 | 24 | 140 |
| 29 | 5 | 12 | 22 |
| 5 8 31 E | 3 | 10 | 26 |
| 5 8 36 | 8 | 19 | 67 |
| 5 8 1 E | 36 | 37 | 347 |
| 2 | 25 | 26 | 203 |
| 3 | 15 | 20 | 125 |
| 4 | 20 | 29 | 98 |
| 5 | 25 | 16 | 60 |
| 6 | 6 | 28 | 38 |
| 7 | 26 | 24 | 76 |
| 8 | 22 | 24 | 39 |
| 9 | 45 | 25 | 59 |
| 5 8 10 E | 38 | 30 | 46 |

REMARKS

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COMPANY **Chevron Standard Limited**

REPORT No. **73-30-003** PAGE **3** OF **9**

| MARKING | On | To | 2m | |
|----------------|-----------|-----------|------------|--|
| 58 31 E | 9 | 18 | 78 | |
| 12 | 8 | 31 | 50 | |
| 13 | 18 | 37 | 185 | |
| 14 | 17 | 25 | 65 | |
| 15 | 27 | 26 | 69 | |
| 17 | 31 | 37 | 99 | |
| 19 | 36 | 41 | 192 | |
| 21 | 50 | 39 | 190 | |
| 23 | 16 | 26 | 140 | |
| 25 | 27 | 36 | 100 | |
| 27 | 27 | 19 | 72 | |
| 29 | 15 | 27 | 310 | |
| 58 31 E | 22 | 16 | 60 | |
| 58 1 N | 17 | 21 | 94 | |
| 2 | 12 | 19 | 35 | |
| 3 | 7 | 16 | 35 | |
| 4 | 26 | 24 | 58 | |
| 5 | 36 | 37 | 60 | |
| 6 | 15 | 26 | 83 | |
| 58 7 S | 17 | 27 | 130 | |

| MARKING | On | To | 2m | |
|----------------|------------|------------|------------|--|
| 58 8 N | 15 | 19 | 82 | |
| 9 | 20 | 31 | 270 | |
| 10 | 18 | 26 | 78 | |
| 11 | 20 | 25 | 202 | |
| 12 | 9 | 12 | 40 | |
| 13 | 26 | 38 | 231 | |
| 14 | 37 | 75 | 300 | |
| 15 | 343 | 364 | 553 | |
| 17 | 25 | 39 | 110 | |
| 19 | 4 | 6 | 34 | |
| 21 | 17 | 15 | 45 | |
| 58 23 N | 21 | 40 | 90 | |
| 108 36 | 15 | 25 | 60 | |
| 108 1 E | 26 | 22 | 69 | |
| 2 | 7 | 18 | 46 | |
| 3 | 25 | 16 | 70 | |
| 4 | 22 | 26 | 65 | |
| 5 | 22 | 37 | 347 | |
| 108 6 E | 27 | 23 | 90 | |

REMARKS

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Vancouver Geochemical Laboratories Ltd.

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COMPANY

Common Standard Limited

REPORT No. 72-78-001 PAGE 4 OF 9

| MARKING | Gn | Pn | Bn | |
|----------|-----|----|-----|--|
| 100 7 E | 105 | 32 | 358 | |
| 8 | 55 | 27 | 342 | |
| 9 | 25 | 16 | 300 | |
| 10 | 50 | 29 | 220 | |
| 11 | 55 | 39 | 382 | |
| 12 | 12 | 16 | 42 | |
| 13 | 27 | 17 | 100 | |
| 14 | 30 | 20 | 172 | |
| 15 | 60 | 25 | 63 | |
| 17 | 11 | 12 | 36 | |
| 19 | 4 | 7 | 15 | |
| 21 | 75 | 24 | 176 | |
| 23 | 125 | 36 | 150 | |
| 100 25 E | 6 | 11 | 25 | |
| 100 1 E | 6 | 8 | 16 | |
| 2 | 7 | 15 | 42 | |
| 3 | 27 | 21 | 70 | |
| 100 4 E | 5 | 10 | 32 | |
| 100 26 | 22 | 26 | 89 | |
| 100 1 E | 8 | 20 | 80 | |

| MARKING | Gn | Pn | Bn | |
|----------|----|----|-----|--|
| 100 2 E | 15 | 20 | 275 | |
| 3 | 19 | 22 | 120 | |
| 4 | 23 | 23 | 99 | |
| 5 | 26 | 25 | 102 | |
| 6 | 16 | 16 | 41 | |
| 7 | 18 | 17 | 44 | |
| 8 | 23 | 24 | 198 | |
| 9 | 35 | 36 | 126 | |
| 10 | 12 | 21 | 49 | |
| 11 | 45 | 39 | 166 | |
| 12 | 35 | 31 | 100 | |
| 13 | 47 | 36 | 216 | |
| 14 | 17 | 26 | 105 | |
| 15 | 36 | 39 | 226 | |
| 17 | 12 | 22 | 95 | |
| 19 | 15 | 25 | 128 | |
| 21 | 26 | 27 | 99 | |
| 23 | 27 | 39 | 104 | |
| 100 25 E | 26 | 32 | 207 | |

REMARKS

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE

NORTH VANCOUVER, B.C. CANADA

TELEPHONE 604-988-2172

COMPANY

Chevron Standard Limited

REPORT No. 73-30-001

PAGE 5 OF 9

| MARKING | Ge | Tb | Sm | |
|-----------|----|-----|-----|--|
| 10 S 27 E | 11 | 29 | 60 | |
| 29 | 7 | 24 | 54 | |
| 10 S 31 E | 12 | 21 | 38 | |
| 10 S 1 W | 16 | 26 | 91 | |
| 2 | 20 | 25 | 198 | |
| 3 | 30 | 40 | 360 | |
| 4 | 24 | 22 | 79 | |
| 5 | 53 | 25 | 340 | |
| 6 | 15 | 40 | 181 | |
| 7 | 11 | 27 | 62 | |
| 8 | 21 | 59 | 127 | |
| 9 | 40 | 214 | 465 | |
| 10 | 27 | 39 | 305 | |
| 11 | 24 | 31 | 200 | |
| 10 S 12 W | 23 | 32 | 163 | |
| 15 N 3E | 40 | 38 | 135 | |
| 15 N 1 E | 17 | 25 | 803 | |
| 2 | 7 | 16 | 40 | |
| 3 | 50 | 36 | 295 | |
| 15 N 4 E | 9 | 14 | 39 | |

| MARKING | Ge | Tb | Sm | |
|-----------|-----|----|-----|--|
| 15 N 5 E | 26 | 28 | 83 | |
| 6 | 52 | 38 | 76 | |
| 7 | 16 | 27 | 57 | |
| 8 | 5 | 10 | 32 | |
| 9 | 14 | 21 | 90 | |
| 10 | 7 | 20 | 65 | |
| 11 | 15 | 23 | 142 | |
| 12 | 10 | 20 | 79 | |
| 13 | 7 | 18 | 68 | |
| 14 | 36 | 25 | 128 | |
| 15 | 9 | 12 | 70 | |
| 17 | 11 | 33 | 378 | |
| 19 | 17 | 19 | 72 | |
| 21 | 122 | 47 | 863 | |
| 23 | 10 | 29 | 56 | |
| 15 N 25 E | 5 | 22 | 38 | |
| 15 N 1 W | 6 | 20 | 52 | |
| 2 | 3 | 6 | 28 | |
| 15 N 3 W | 10 | 22 | 35 | |

REMARKS

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Vancouver Geochemical Laboratories Ltd.

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Geotech Standard Limited

REPORT No. 72-38-003 PAGE 6 OF 9

| MARKING | Ca | Pb | Zn |
|-----------|----|----|-----|
| 15 8 4 8 | 16 | 26 | 69 |
| 5 | 7 | 27 | 36 |
| 6 | 26 | 36 | 61 |
| 15 8 7 8 | 17 | 25 | 109 |
| 15 8 3L | 19 | 34 | 99 |
| 15 8 1 8 | 9 | 16 | 39 |
| 2 | 15 | 17 | 68 |
| 3 | 11 | 20 | 77 |
| 4 | 20 | 17 | 92 |
| 5 | 34 | 15 | 40 |
| 6 | 45 | 24 | 120 |
| 7 | 25 | 17 | 75 |
| 8 | 45 | 32 | 79 |
| 9 | 25 | 25 | 97 |
| 10 | 25 | 26 | 80 |
| 11 | 20 | 26 | 190 |
| 12 | 35 | 29 | 262 |
| 13 | 15 | 20 | 53 |
| 14 | 15 | 20 | 63 |
| 15 8 15 8 | 20 | 25 | 130 |

| MARKING | Ca | Pb | Zn |
|-----------|----|-----|-----|
| 15 8 17 8 | 20 | 25 | 130 |
| 19 | 25 | 22 | 230 |
| 21 | 24 | 26 | 132 |
| 23 | 6 | 7 | 39 |
| 25 | 20 | 18 | 91 |
| 27 | 12 | 15 | 98 |
| 29 | 5 | 15 | 66 |
| 15 8 31 8 | 7 | 16 | 125 |
| 25 8 1 8 | 25 | 220 | 48 |
| 2 | 7 | 94 | 23 |
| 3 | 32 | 200 | 134 |
| 4 | 17 | 57 | 90 |
| 5 | 36 | 39 | 140 |
| 6 | 26 | 200 | 940 |
| 7 | 38 | 53 | 262 |
| 8 | 48 | 145 | 276 |
| 9 | 7 | 25 | 65 |
| 10 | 7 | 14 | 72 |
| 15 8 21 8 | 27 | 46 | 217 |

REMARKS

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Chevron Standard Limited

REPORT No. 73-30-001

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| MARKING | On | To | 2m | |
|-----------|----|----|-----|--|
| 15 S 32 N | 11 | 57 | 122 | |
| 20 N 31 E | 4 | 7 | 25 | |
| 20 N 1 E | 2 | 6 | 19 | |
| 2 | 19 | 22 | 56 | |
| 3 | 4 | 10 | 21 | |
| 4 | 2 | 11 | 36 | |
| 5 | 7 | 16 | 28 | |
| 6 | 26 | 25 | 92 | |
| 7 | 7 | 32 | 26 | |
| 8 | 7 | 23 | 47 | |
| 10 | 30 | 39 | 85 | |
| 12 | 6 | 32 | 35 | |
| 14 | 7 | 10 | 25 | |
| 18 | 4 | 5 | 22 | |
| 20 N 20 E | 4 | 7 | 19 | |
| 20 N 1 N | 3 | 14 | 19 | |
| 2 | 2 | 10 | 12 | |
| 3 | 2 | 14 | 16 | |
| 20 N 4 W | 2 | 12 | 38 | |
| 20 N 31 E | 17 | 93 | 116 | |

| MARKING | On | To | 2m | |
|-----------|----|----|-----|--|
| 25 N 36 | 4 | 10 | 26 | |
| 25 N 1 E | 14 | 19 | 77 | |
| 2 | 20 | 32 | 270 | |
| 3 | 9 | 18 | 27 | |
| 4 | 16 | 44 | 41 | |
| 5 | 6 | 12 | 18 | |
| 6 | 7 | 7 | 23 | |
| 7 | 15 | 25 | 69 | |
| 8 | 5 | 8 | 20 | |
| 10 | 7 | 20 | 52 | |
| 11 | 17 | 23 | 98 | |
| 12 | 25 | 34 | 122 | |
| 13 | 26 | 27 | 129 | |
| 14 | 35 | 25 | 136 | |
| 16 | 25 | 23 | 135 | |
| 18 | 19 | 39 | 35 | |
| 25 N 20 E | 14 | 83 | 73 | |
| 25 S 36 | 7 | 25 | 40 | |
| 25 N 1 N | 34 | 21 | 85 | |

REMARKS

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~~Chlorine Standard Limited~~

REPORT No.

73-38-002

PAGE 8 OF 9

| MARKING | Os | Pb | Zn | |
|-----------|-----|------|------|--|
| 25 8 2 7 | 68 | 249 | 150 | |
| 3 | 307 | 4000 | 90 | |
| 4 | 72 | 166 | 140 | |
| 5 | 130 | 158 | 1269 | |
| 6 | 7 | 22 | 70 | |
| 7 | 11 | 25 | 70 | |
| 8 | 9 | 31 | 122 | |
| 9 | 27 | 33 | 428 | |
| 10 | 22 | 35 | 490 | |
| 11 | 230 | 36 | 205 | |
| 12 | 32 | 32 | 150 | |
| 13 | 19 | 26 | 70 | |
| 14 | 33 | 34 | 115 | |
| 15 | 105 | 50 | 3200 | |
| 16 | 28 | 36 | 172 | |
| 17 | 5 | 15 | 30 | |
| 21 | 115 | 30 | 190 | |
| 23 8 23 7 | 25 | 25 | 226 | |
| 26 2 21 | 15 | 58 | 269 | |
| 30 8 1 7 | 21 | 42 | 38 | |

| MARKING | Os | Pb | Zn | |
|-----------|----|----|-----|--|
| 30 8 2 7 | 5 | 16 | 30 | |
| 3 | 6 | 24 | 35 | |
| 4 | 3 | 26 | 35 | |
| 5 | 40 | 40 | 220 | |
| 6 | 15 | 27 | 92 | |
| 7 | 17 | 36 | 265 | |
| 8 | 31 | 27 | 360 | |
| 9 | 18 | 34 | 130 | |
| 10 | 45 | 39 | 432 | |
| 11 | 25 | 30 | 320 | |
| 13 | 75 | 25 | 32 | |
| 14 | 27 | 32 | 140 | |
| 15 | 90 | 30 | 210 | |
| 17 | 20 | 46 | 70 | |
| 19 | 12 | 45 | 60 | |
| 21 | 34 | 26 | 35 | |
| 30 8 23 7 | 32 | 17 | 39 | |
| 35 8 26 | 3 | 15 | 20 | |
| 39 8 26 | 17 | 47 | 39 | |

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TELEPHONE 604-988-2172

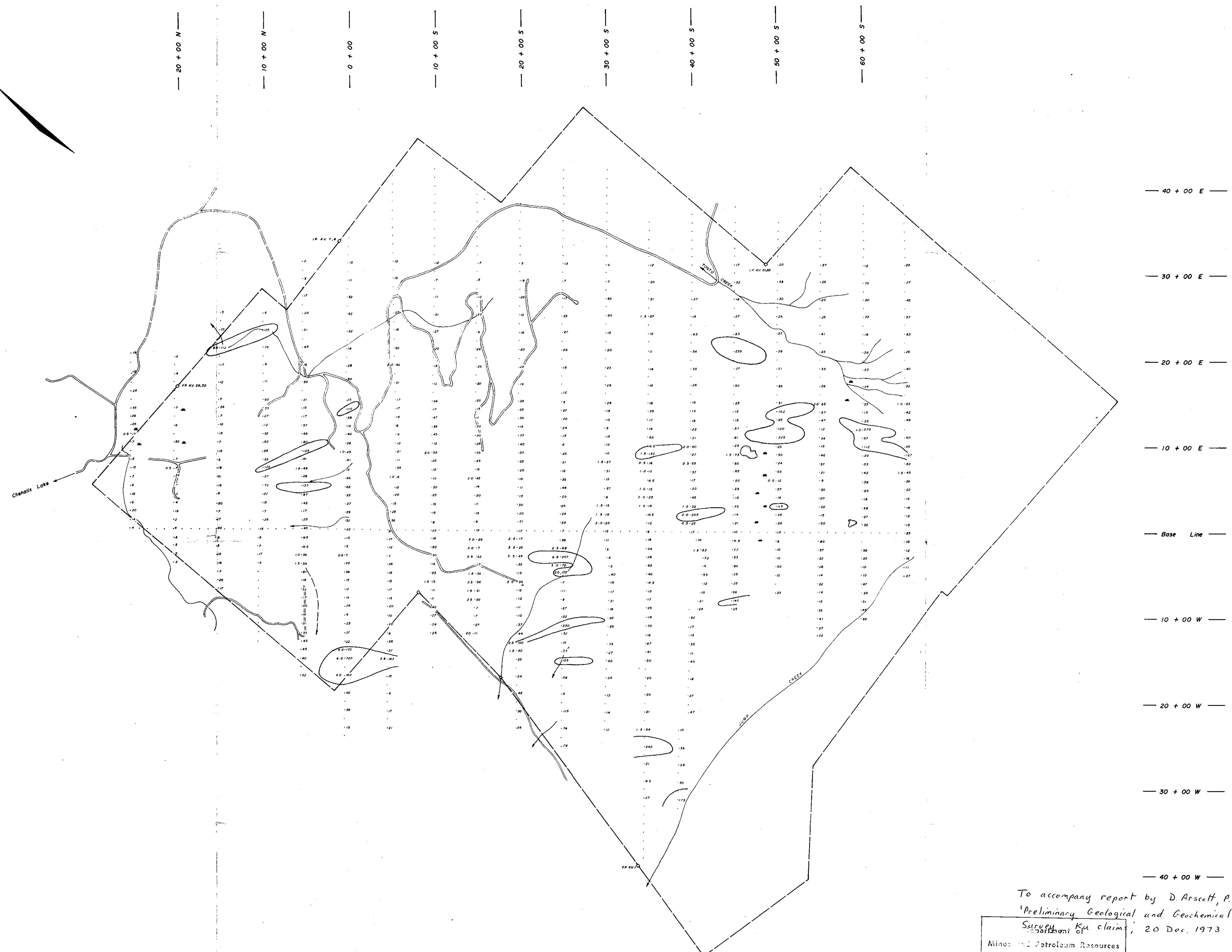
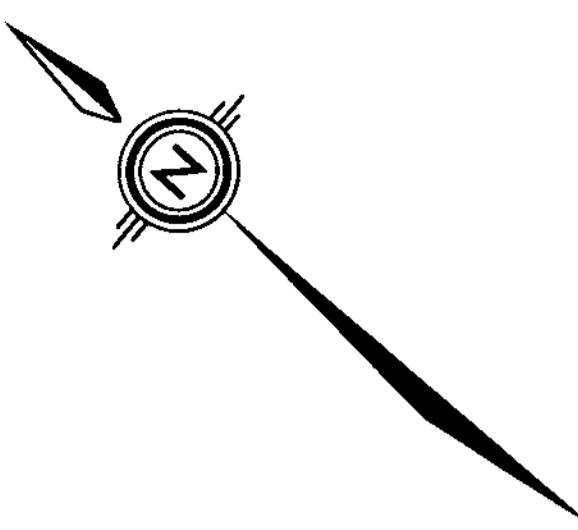
COMPANY **Chevrolet Standard Limited**

REPORT No. 73-001 PAGE 9 OF 9

| MARKING | Cu | Pb | Zn |
|-----------|-----|-----|-----|
| 40 S 1 E | 25 | 60 | 105 |
| 2 | 205 | 235 | 290 |
| 3 | 32 | 55 | 390 |
| 4 | 45 | 50 | 392 |
| 5 | 20 | 30 | 105 |
| 6 | 17 | 31 | 60 |
| 7 | 37 | 68 | 110 |
| 8 | 55 | 127 | 90 |
| 9 | 27 | 27 | 110 |
| 10 | 80 | 500 | 272 |
| 11 | 21 | 25 | 39 |
| 12 | 22 | 16 | 42 |
| 13 | 19 | 20 | 38 |
| 14 | 15 | 20 | 30 |
| 15 | 16 | 17 | 30 |
| 17 | 26 | 20 | 44 |
| 19 | 35 | 22 | 52 |
| 21 | 34 | 21 | 49 |
| 23 | 43 | 27 | 60 |
| 40 S 25 E | 15 | 23 | 50 |

REMARKS

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LEGEND

- Creek
- - - Gully
- Road
- Located claim posts

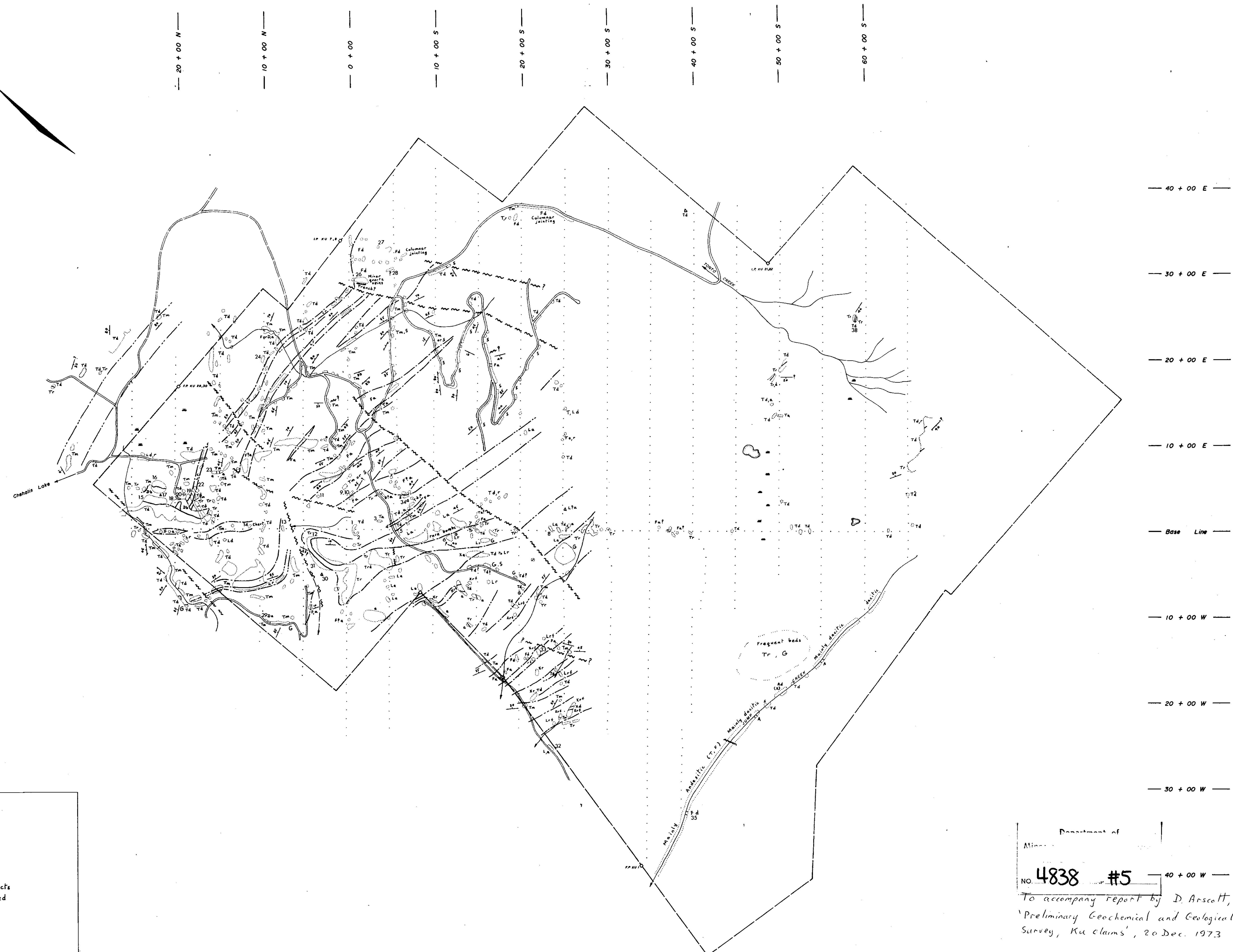
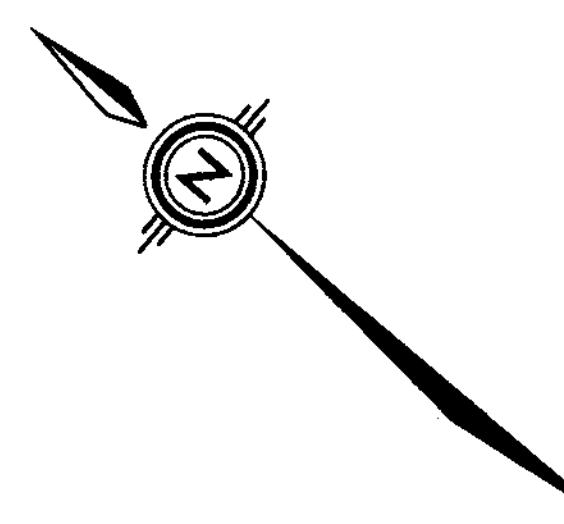
$Ag \sim 1.0 \text{ to } 5.0$
 Cu

Copper threshold 95 ppm

To accompany report by D. Arscott, P.Eng
'Preliminary Geological and Geochemical
Survey, Bartram KU claims,' 20 Dec. 1973

| | |
|---------------------------------|--|
| PROJECT REPORT | |
| NO. 4838 MAP #4B FIGURE - 4(b) | |
| SOIL SAMPLING - COPPER (SILVER) | |
| KU CLAIMS | |
| CHEHALIS PROJECT | |
| Scale 0 250 500 1000 feet | |
| Project No. C411 Nov 1973 | |

4838 M4B



4838 M5

FIGURE - 5
GEOLOGY
KU CLAIMS
CHEHALIS PROJECT

500 250 0 500 1000 feet

Project No. C411 Nov 1973