

GEOCHEMISTRY AT

BLOOMFIELD OPTION AND ADJACENT CLAIMS
North Barriere Lake B.C.

DUCANEX RESOURCES LTD.

by

B. J. Price for J. R. Woodcock

North Vancouver, B. C.

September 27th, 1971

Geochemistry at
BLOOMFIELD OPTION AND ADJACENT CLAIMS
North Barriere Lake B.C.

TABLE OF CONTENTS

	<u>Page No.</u>
SUMMARY	3
INTRODUCTION	4
LOCATION AND ACCESS	4
CLAIMS AND OWNERSHIP	4 - 5
GENERAL TECHNIQUES	6
GEOLOGY	6
GEOCHEMICAL RESULTS	7
Copper in soil	7
Zinc in soil	7
APPENDIX	8 - 9
Analytical procedures for copper and zinc	8 - 9

FIGURES

	<u>Page No.</u>
<i>#1 Claim Map For Bloomfield Option Area</i>	
2 1. Copper in soil	In Pocket
3 2. Zinc in soil	In Pocket

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SUMMARY

The 40 "C & G" claims of the Bloomfield option and adjacent 49 "Den" claims are situated immediately south of the west end of North Barriere Lake. The claims are underlain by Paleozoic metasediments and metavolcanics containing minor amounts of disseminated pyrite and pyrrhotite. No other sulphides were seen in outcrops examined.

A geochemical soil survey covering the claim block resulted in a few scattered weakly anomalous values of copper and zinc in soil. Most of the area is devoid of significant values of copper or zinc.

Because outcrop is in most areas close to surface and soil geochemistry should be effective, it must be concluded that significant copper or zinc mineralization does not occur on the property-

GEOCHEMISTRY AT
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INTRODUCTION:

The geochemical survey on this property included line-cutting and soil sampling, with detailed silt-sample traverses on several major creeks. Work was done between May 18, 1971 and June 12, 1971 under the direction of J. R. Woodcock.

LOCATION AND ACCESS:

The claims under discussion are located on the northwest flank and top of the mountain immediately south of North Barriere Lake, approximately 20 miles east of Barriere, B.C. Access to the lower claims is by boat from North Barriere Lake Resort; claims on the mountain top are accessible by 4-wheel drive vehicle from a road extending northeasterly from the main road approximately 3/4 mile west of East Barriere Lake Resort. A network of logging roads on the mountain top gives good access to the C & G claims. Much of the area has been logged recently and the southeast part is covered by a recent slash burn.

CLAIMS AND OWNERSHIP:

The following claims are under option to Duncunex Resources Ltd.:

Claim Name	Owner	Record Nos.	Staking Date	Record Date	Expiry Date
C & G 1 - 4	G.Bloomfield	86145 (R) -86148 (R)	Dec.3/69	Dec.9/69	Dec.9/71
C & G 5 - 10	G.Bloomfield	86840 (A) -86845 (A)	Jan.4/70	Jan.17/70	Jan.17/72
C & G 11-16	L.Bloomfield	87137 (B) -87142 (B)	Jan.24/70	Feb.6/70	Feb.6/72
C & G 17 - 18	L.Bloomfield	87447 (O) -87448 (O)	Feb.23/70	Mar.5/70	Mar.5/72

Claim Name	Owner	Record Nos.	Staking Date	Record Date	Expiry Date
C & G 19-20	L.Bloomfield	87449 (O) -87450 (O)	Mar.2/70	Mar.5/70	Mar.5/72
C & G 21-24	From 21 - 40 odd numbered claims are owned by Lewis and even by Gary	88342 (D) -88345	Apr.18/70	Apr.30/70	Apr.30/71
C & G 25-26	"	88346 (D) -88347 (D)	Apr.22/70	Apr.30/70	Apr.30/71
C & G 27-32	"	88348 (D) -88353 (D)	Apr.27/70	Apr.30/70	Apr.30/71
C & G 33-40	"	88354 (D) -88361 (D)	Apr.28/70	Apr.30/70	Apr.30/71

The following claims are held by J. R. Woodcock for
Ducanex Resources Ltd.

Claim Name	Record No.	Staking Date	Recorded	Expiry
Den 1- 6	94495-500	Jan.11/71	Jan.27/71	
Den 9-10	94501-502	Jan.18/71	Jan.27/71	
Den 11-14	94503-506	Jan.11/71	Jan.27/71	
Den 15-16	94507-508	Jan.18/71	Jan.27/71	
Den 17-42	94509-534	Jan.15/71	Jan.27/71	
Den 43-48	94535-540	Jan.19/71	Jan.27/71	
Den 49 Fr.	94541	Jan.19/71	Jan.27/71	
L 1 - 6	97233-238	May 27/71	June 1/71	

Many of the C & G posts have been located and plotted with respect to the grid system. The Den claims surround the northern limits of the C & G claims and most are located with witness posts from the shore of North Barriere Lake. The L claims are situated between the "EBL" and "B & B" claim groups and partially overlap Den claims on the west. They were not covered by the geochemical grid.

GENERAL TECHNIQUES:

A grid of lines (bearing N60°E) with 800-foot spacing was cut from a baseline extending 150° southeast from that on the Fennell-Schilling property on the opposite side of North Barriere River. Soil samples were taken at 200-foot spacing along these lines. Soil types vary widely over the property, from black swampy soils to light brown clays. Samples were taken at depths of 8-12 inches within the B-horizon wherever possible.

Soil samples were sent to Vangeochem Lab. Ltd. where they were dried and sifted to -80 mesh. The -80 mesh portion was analyzed for copper and total zinc using a perchloric acid digestion and atomic-absorption detection. The procedures for the analytical work are outlined in the appendix.

GEOLOGY:

The property lies between three and four miles south and west of the margin of the Barriere batholith. Much of the property is underlain by interbedded and intergrading sericitic schists and slightly graphitic phyllites of probable Paleozoic age. Dips of the strata on the relatively flat top of the mountain range from horizontal to 40° toward the south and southwest. Farther east, on the EBL and B & B claims (under investigation by Noranda Mines), quartz-sericite augen schists and gneisses are overlain by a chloritic schist sequence mineralized with disseminated chalcopyrite and other sulphides. Dips here are consistently to the southwest.

Farther to the west, on the westernmost C & G claims and adjacent Whiterock claims, limestone lenses of widely variable thickness are interbedded with chlorite-magnetite schists and amphibolites which probably represent metamorphosed basic volcanics. The westernmost exposures on the mountain are greywackes, grits, siltstones and polymictic conglomerates. Drag fold axes in limestones and overlying sediments parallel regional strike (northwest), and sense of movement is from the northeast.

Although mineralization is present on claims adjoining the property on both sides, no mineralization was seen on the Bloomfield-Den property other than minor pyrite and pyrrhotite present as disseminations in schists and in quartz veins cutting phyllites.

GEOCHEMICAL RESULTS:

Although soil types vary widely over the property and drainage is poor over much of the relatively flat area of the mountain top, outcrop is close to surface in most places and soil sampling should be effective in indicating areas of mineralization. It is immediately apparent from the plotted geochemical maps that anomalous values for copper and zinc are rare, weak, and scattered, and copper and zinc anomalies do not often coincide. In addition, three geochemical silt-sampling traverses resulted in no anomalous values.

Copper in soil

From experience with geochemistry on adjacent properties, copper values of 200 ppm in soil should be considered definitely anomalous. Of the approximately 600 soil samples taken over the grid, only three widely scattered samples have greater than 200 ppm copper and only a small number of samples exceed 100 ppm copper. The apparent weakly anomalous zone at the eastern end of line 48 south is probably caused partly by an increase in finely disseminated pyrite in the schists and phyllites. The fact that many samples were silty soils from banks of numerous small drainage channels of this area would be a contributing factor. The weakly anomalous values (100 ppm Cu) at the eastern end of Line 72S correspond with the presence of chlorite schists containing magnetite and pyrite, which cause a higher "background" of copper values with respect to the adjacent limestone terrain.

Zinc in soil

Few soil samples taken from the grid exceed 300 ppm zinc, and only two samples can be considered truly anomalous (1100 ppm at L96S - 64E) (1090 ppm at L96S - 100E). Significantly, the copper content of the first sample is also anomalous, but the adjacent samples do not show even weakly anomalous values for copper or zinc, so this isolated sample cannot be taken seriously. The second sample lies at the eastern margin of the Den claim block, and is also an isolated high value.

The scarcity of anomalous values of copper and zinc in soil reflects the absence of mineralization in outcrops mapped during geological traverses over the property.



B. Price

B. Price

Directed by J. R. Woodcock

September 27, 1971

Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE NORTH VANCOUVER, B.C., CANADA TELEPHONE: 604-988-2171

J. R. WOODCOCK
CONWAY CHUN

TO: J. R. Woodcock Consultants Ltd.
1521 Pemberton Avenue
North Vancouver, B. C.

FROM: Mr. Laurie Nicol, Supervisor Chemist
Vancouver Geochemical Laboratories Ltd.
1521 Pemberton Avenue
North Vancouver, B.C.

SUBJECT: Analytical procedure used to process acid soluble
Cu and Zn in geochemical samples received from
J. R. Woodcock Consultants Ltd.

1. Sample Preparation

- (a) Geochemical soil, silt and rock samples were received in the laboratory in wet-strength 3½ x 6½ Kraft paper bags.
- (b) The wet samples were dried in a ventilated oven.
- (c) The dried soil and silt samples were sifted, using an 80-mesh stainless steel sieve. The plus 80-mesh fraction was rejected and the minus 80-mesh fraction was transferred into a new bag for analysis later.
- (d) The dried rock samples were crushed and pulverized to minus 80-mesh. The pulverized sample was then put in a new bag for later analysis.

2. Methods of Digestion

- (a) 1.00 gram or 0.50 gram of the minus 80-mesh samples was used. Samples were weighed out by using a top-loading balance.
- (b) Samples were heated in a sand bath with nitric and perchloric acids (15% to 85% by volume of the concentrated acids respectively).

Continued

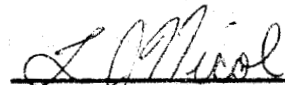
2. Methods of Digestion (Continued)

- (c) The digested samples were diluted with demineralized water to a fixed volume and shaken.

3. Method of Analysis

Cu & Zn analyses were determined by using a Techtron Atomic Absorption Spectrophotometer Model AA4 or Model AA5 with their respective hollow cathode lamp. The digested samples were aspirated directly into an air and acetylene flame. The results, in parts per million, were calculated by comparing a set of standards to calibrate the atomic absorption unit.

4. The analyses were supervised or determined by Mr. Conway Chun, or Mr. Laurie Nicol and their laboratory staff.


L.J. Nicol

VANCOUVER GEOCHEMICAL LABORATORIES LTD.

LJN/ati

TABLE I -- FIELD COSTS
BLOOMFIELD

<u>I. Camp and Equipment</u>	
1. Groceries for crews	608.08
2. Meals for crews enroute to and from project and while expediting project in Barriere and Kamloops	48.10
3. Cabin rentals at North Barriere Lake	459.37
4. Accommodation for crews enroute to & from project	20.42
5. Camp equipment rentals	128.60
<u>II. Transportation</u>	
1. Vehicle rentals	528.19
2. Taxi and air fares for crews to & from project	80.80
3. Gasoline purchases	206.62
4. Freight charges for shipping equipment & supplies	12.13
<u>III. Assays</u>	
Vancouver Geochemical Laboratories Ltd. invoices	1,134.30
<u>IV. Miscellaneous</u>	
1. Bulldozer to clear access road	-----
2. Printing and reproduction costs	97.67
3. Long distance telephone calls	42.40
4. Postage, topographic maps, & office supplies used in field office.	5.81
<u>V. Expendable field Supplies</u>	
1. Flagging tape	42.02
2. Lumber and expendable hardware used in building tent frames.	79.14
3. Power saw gas and oil	14.03
4. Expendable kitchen supplies -- naphtha gas, oil-cloth, etc.	8.34
Total:	
	<u><u>\$3,516.02</u></u>

TABLE II -- WAGE COSTS -- BLOOMFIELD PROPERTY

Name of Person Employed	Dates Worked	Per Diem Fee	No. of Days Worked		Cost		Total Cost
			Linecutting	Geochem Sampling	Linecutting	Geochem Sampling	
G. W. Childs	May 17 - June 8	\$ 50.00	1-1/4	5-1/4	\$ 62.50	\$ 262.50	\$ 325.00
M.J. Colton- Maybury	May 12 - June 8	50.00	1-1/2	0	75.00		75.00
M. Currey	May 12 - June 12	50.00	15	2	750.00	100.00	850.00
R. Fassler	May 12 - June 13	50.00	25-1/2	0	1,275.00		1,275.00
P. Fitzgibbon	June 1 - 18	50.00	6-1/2	1	325.00	50.00	375.00
D. Hetu	May 17 - June 15	30.00	<---Cook - Pro-rated 15 days @ \$30.00/day --->				450.00
					(225.00)	(225.00)	
R. Hong	May 17 - June 1	50.00	10-1/2	0	525.00		525.00
G. Isaac	June 18 - July 18	45.00	0	2		90.00	90.00
D. Monk	May 17 - June 13	50.00	20	0	1,000.00		1,000.00
C. Moodie	June 1 - 8	50.00	7-1/2	0	375.00		375.00
W. Oja	May 14 - June 8	50.00	1/2	1	25.00	50.00	75.00
B. Price	June 12 - Sept. 28	90.00	0	4		360.00	360.00
N. Wychopen	May 14 - June 12	50.00	2-1/4	0	112.50		112.50
T. Wilkinson	March 1 - June 19	75.00	5.3	1/2	398.75	37.50	436.25
J. R. Woodcock	June 12	150.00	<---Consulting Fee -- 1 day @ \$150.00/day --->				150.00
					(75.00)	(75.00)	
TOTALS:					\$5,223.75	\$1,250.00	\$ 6,473.75

DOMINION OF CANADA:

PROVINCE OF BRITISH COLUMBIA.

To Wit:

In the Matter of the costs incurred in carrying out a geochemical survey and a linecutting programme on mineral claims known as the Bloomfield Option and which are listed on pages 4 and 5 in the report entitled "Geochemistry at Bloomfield Option and adjacent Claims" by B. J. Price and J. R. Woodcock, dated September 27, 1971

I, T. D. Wilkinson

of 1521 Pemberton Avenue, North Vancouver, British Columbia

in the Province of British Columbia, do solemnly declare that the following tables set forth the costs incurred in carrying out the aforementioned work programme

Table I -- Field Costs \$ 3,516.02 (see attached Table I)

Table II -- Wage Costs \$ 6,473.75 (see attached Table II)

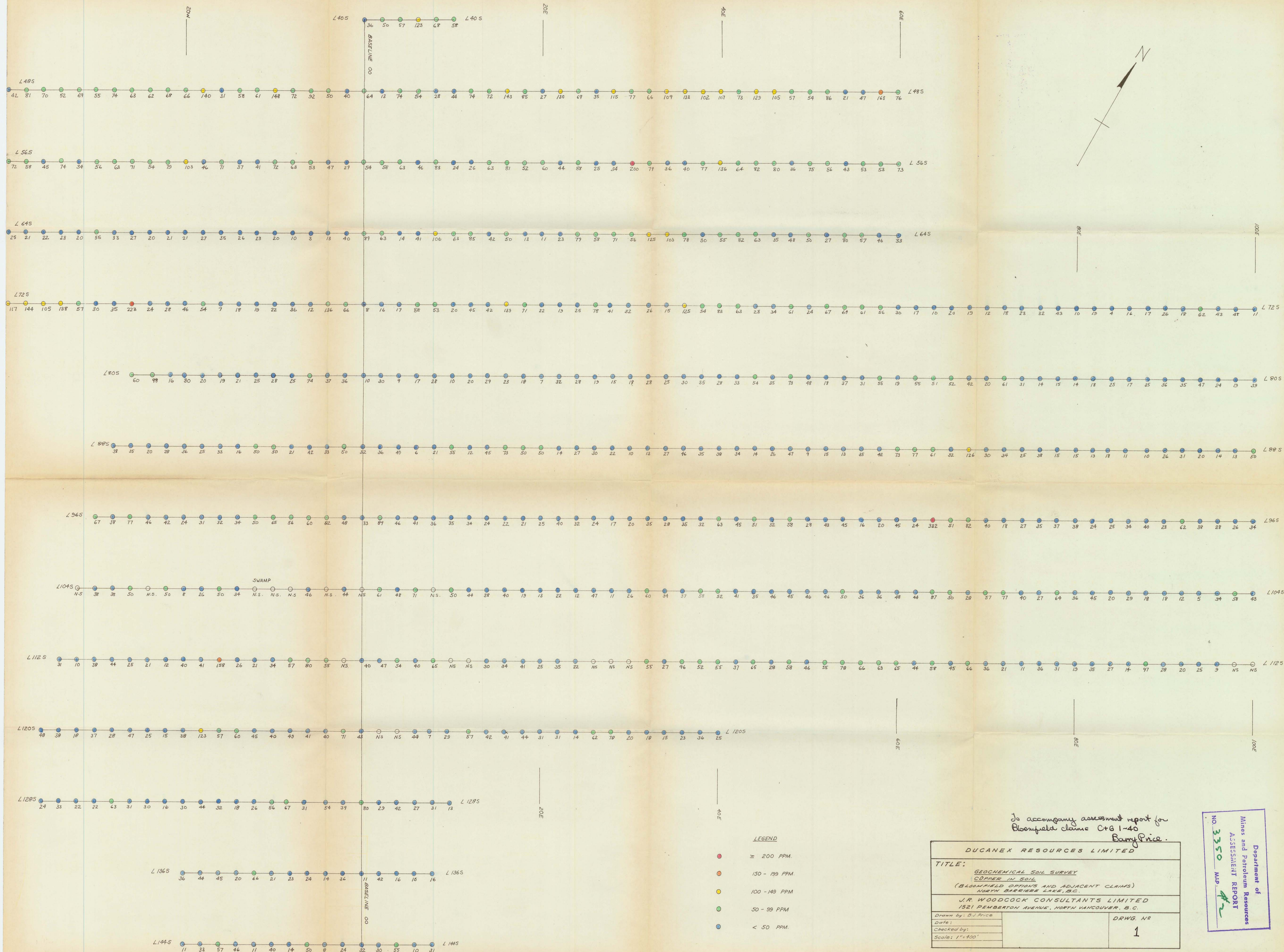
And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the City
of Vancouver, in the
Province of British Columbia, this 1
day of Nov. 1971, A.D.

T. D. Wilkinson

J. D. Wilkinson-Jul Turner

A Commissioner for taking Affidavits for British Columbia or
A Notary Public in and for the Province of British Columbia.



LEGEND

● ≥ 200 PPM.

● 150 - 199 PPM.

● 100 - 149 PPM.

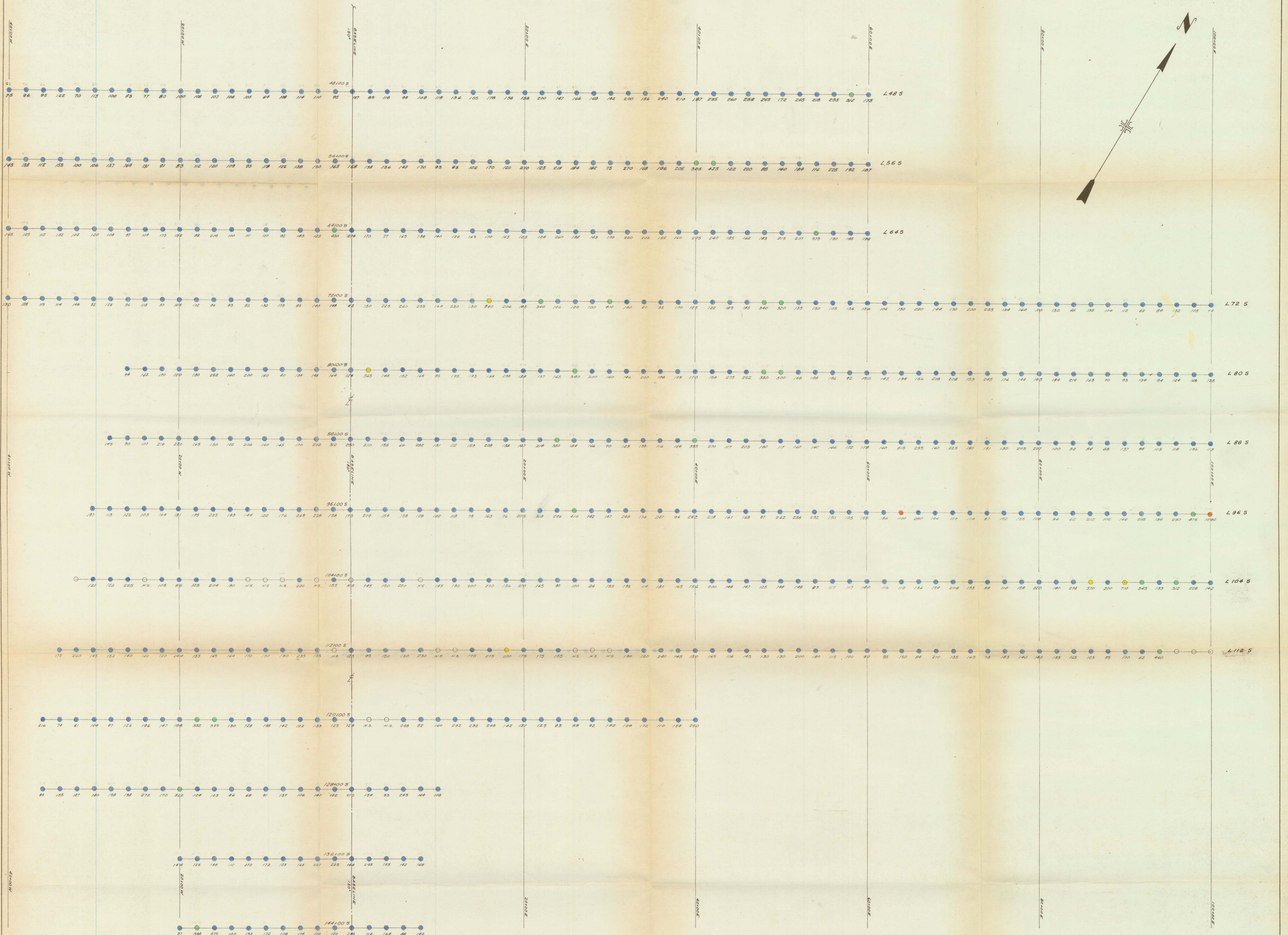
● 50 - 99 PPM.

● < 50 PPM.

To accompany assessment report for
Blomfield claims C+G 1-40
Barry Price.

DUCANEX RESOURCES LIMITED	
TITLE: GEOCHEMICAL SOIL SURVEY COPPER IN SOIL (BLONFIELD CLAIMS AND ADJACENT CLAIMS) NORTH BASIN LAKES, B.C.	
J.R. WOODCOCK CONSULTANTS LIMITED 1521 PEMBERTON AVENUE, NORTH VANCOUVER, B.C.	
Drawn by: B.J. Price	DRWG. NO.
Date:	1
Checked by:	
Scale: 1"=400'	

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3350 Map #2



- LEGEND
- ≥ 2000 PPM Zn
 - 1000 - 1999 PPM
 - 500 - 900 PPM
 - 300 - 499 PPM
 - < 300 PPM

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3350 Map #3

To accompany assessment report for
Bloomfield claims C+G 1-40 Barry Price

DUCANEX RESOURCES LIMITED	
TITLE: GEOCHEMICAL SOIL SURVEY ZINC IN SOIL (BLOOMFIELD OPTIONS AND ADJACENT CLAIMS) NORTH BARRIER LAKE, B.C.	
J.R. WOODCOCK CONSULTANTS LIMITED	
Drawn by: G.I.	Drawn NR
Date: Sept 30-1971	
Checked by: B.J. Price Oct 2, 1971	
Scale: 1"=400'	

2

20000 E 21000 E 22000 E 23000 E 24000 E 25000 E 26000 E 27000 E 28000 E 29000 E 30000 E



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3350 MAP #1

To accompany assessment report for
Bloomfield T-40 C+G claims Barry Price.

DUCANEX RESOURCES LIMITED	
CLAIMS MAP FOR BLOOMFIELD OPTION AREA	
J.R. WOODCOCK CONSULTANTS LIMITED	
1521 PEMBERTON AVENUE NORTH VANCOUVER B.C.	
Drawn by - B. Price	
Date - Nov/71	
Scale - 1:5,400'	

3350 M-1