

GREAT PLAINS DEVELOPMENT
COMPANY OF CANADA, LTD.

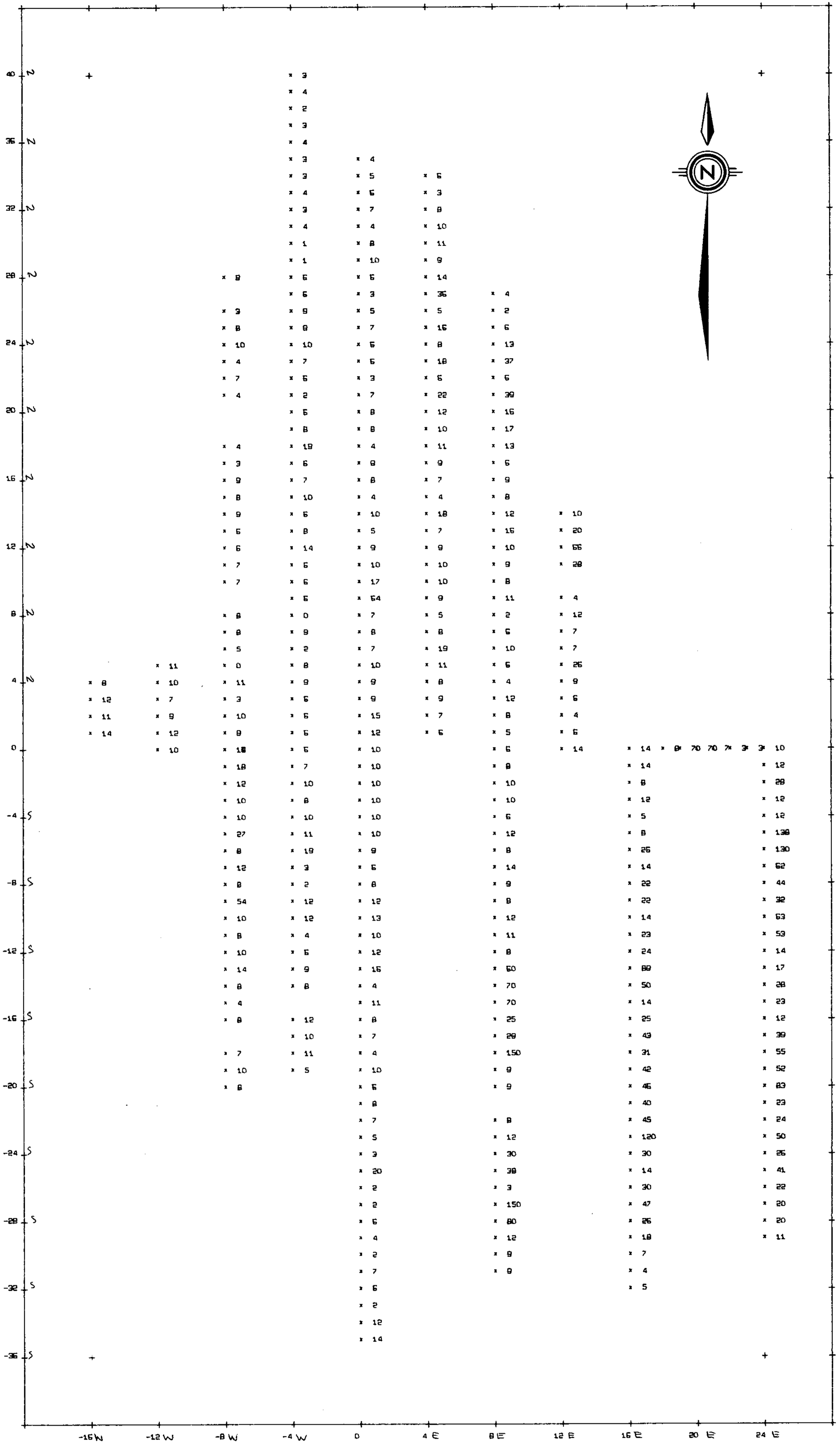
GEOCHEMICAL REPORT
ON THE TAMI AND KIM CLAIM GROUPS
SNIPPAKER CREEK - ISKUT RIVER AREA

N.T.S.: 104-B 104B/10W

October 1972

M. D. McInnis

3981



GREAT PLAINS DEVELOPMENT COMPANY OF CANADA, LTD.

BRITISH COLUMBIA

SHIPPAKER CREEK - ISKUT RIVER AREA

KIM GROUP NO. 1

No GEOCHEMISTRY RESULTS

SCALE 1" = 400'

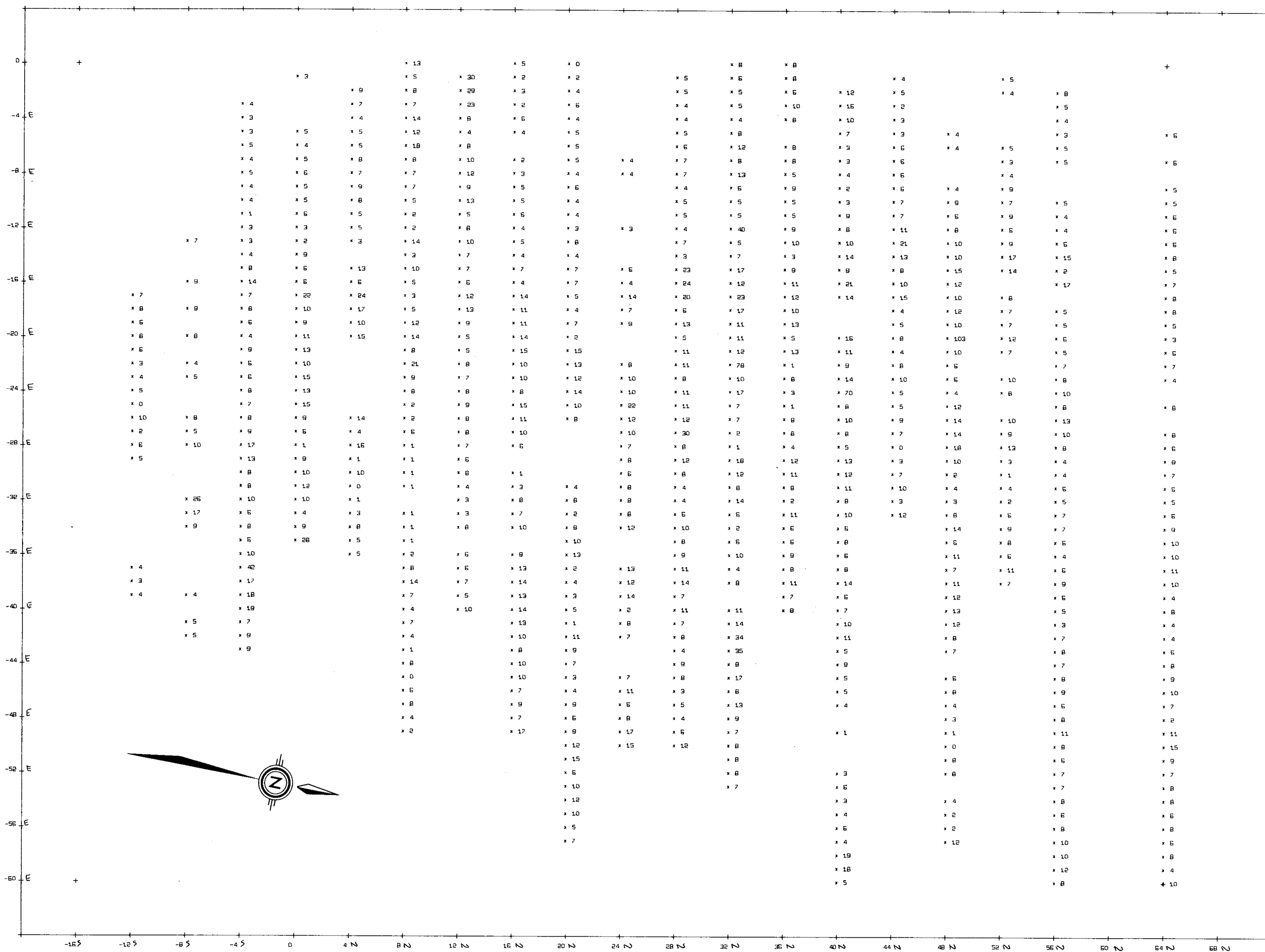
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. **3981** MAP #**6**

LIARD H. D.
H. D. McINNIS

NTS 104 B/111
OCTOBER 1972

- TO ACCOMPANY GEOCHEMICAL REPORT BY H. D. McINNIS
ON THE KIM GROUP No. 1, SHIPPAKER CREEK - ISKUT RIVER
AREA, LIARD MINING DIVISION, DATED OCTOBER 17, 1972.

H. D. McInnis



GREAT BRITAIN ENGINEERING CORPORATION LTD.
 BRITISH COLUMBIA
 SNIPPAKER CREEK - ISKUT RIVER AREA
 TAMI GROUP NO. 1
 No GEOCHEMISTRY RESULTS

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 No. 3981 MAP #5

SCALE 1" = 400'

Liard M.D.
 H. D. McINNIS

NTS 10/10/72
 OCTOBER, 1972

- TO ACCOMPANY GEOCHEMICAL REPORT BY H. D. McINNIS
 ON THE TAMI GROUP NO. 1, SNIPPAKER CREEK - ISKUT
 RIVER AREA, LIARD MINING DIVISION, DATED OCTOBER 17, 1972.

3981

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
No. 3981 MAP

GEOCHEMICAL REPORT
ON THE TAMI AND KIM CLAIM GROUPS
SNIPPAKER CREEK - ISKUT RIVER AREA

130°51', 56°37'

LIARD MINING DIVISION
N.T.S.: 104 B

GREAT PLAINS DEVELOPMENT
COMPANY OF CANADA, LTD.

M. D. McInnis

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The Tami and Kim claim groups comprise the following claims:

<u>Claim</u>	<u>Record Nos.</u>	<u>Recorded Owner</u>	<u>Recording Date</u>
Tami 1-36	55826-55861	Great Plains Development Company of Canada, Ltd.	Sept. 28/72
Kim 1-25	55862-55886	"	"
Kim 27	55887	"	"
Kim 29	55888	"	"

Work for which assessment credit is requested was carried out during the period July 27 to August 14, 1972.

SUMMARY

This report details the geochemical surveying carried out on the Tami and Kim claim groups during the period July 27 to August 14. As a result of the work performed, assessment credit is requested on the claims as follows:

Tami Group #1

<u>Claims</u>	<u>Record Nos.</u>	<u>Assessment Cr. Requested</u>	<u>Total</u>
Tami 1-17	55826-55842	3 yrs/claim	51 years
Tami 18-36	55843-55861	2 yrs/claim	38 years
			<u>89 years</u>

Kim Group #1

Kim 1-25	55862-55886	2 yrs/claim	50 years
Kim 27	55887	2 years	2 years
Kim 29	55888	2 years	2 years
			<u>54 years</u>

The total value of the requested assessment credit and the total cost of geochemical work performed on each of the claim groups is as follows:

<u>Group</u>	<u>Requested Assessment Credit</u>	<u>Cost of Geochemical work performed</u>
Tami Group #1	89 years	\$8,918
Kim Group #1	54 years	\$5,510

This report with accompanying maps and statement of expenditures is hereby submitted to record the above assessment credit.

INTRODUCTION

This report presents the results of the geochemical survey carried out during 1972 on the Tami and Kim groups of mineral claims. The claims were staked in September 1971 for Great Plains Development Company of Canada, Ltd. after anomalous results were received from a reconnaissance silt sampling program in the area.

It was felt that the quickest, most effective method of evaluating the property was to conduct a soil sampling program over all parts of the two claim groups. Owing to the rugged topography and the dense underbrush, it was necessary to establish a control grid on the property. Approximately twenty-eight miles of line were cut, picketed and flagged

and 1360 soil samples were collected along these lines.

LOCATION AND ACCESS

The Tami and Kim claim groups are located approximately 88 air miles south of Telegraph Creek, B.C. near the confluence of Snippaker Creek and the Iskut River. The claims lie on the eastern flank of Snippaker Mountain between elevations 3000 feet and 5000 feet.

Supplies and equipment can be obtained from a supplier at Eddontenajon Lake and can be airlifted south by fixed-wing aircraft to an airstrip at the head of Snippaker Creek. From here, a helicopter is required to ferry the supplies four miles into the property.

GEOCHEMISTRY

Geochemical surveying was carried out on all parts of the claim groups in an effort to delineate areas that would require closer examination. Owing to the steep slopes and the dense secondary vegetation, it was deemed necessary to cut grid lines. In addition to facilitating the geochemical sampling, it was felt the grid would provide control for future geological and geophysical surveys. Base lines were surveyed in with

chain and compass and cross lines were turned off at right angles at 400 foot intervals. All lines were chained, cut, picketed and flagged. Soil samples were collected at every one hundred foot center where soil was available. A total of about 1360 soil samples were collected from approximately twenty-eight miles of cut line.

On the mountain slopes and tops, the soil is generally a fine, brown residual soil which varies in thickness from a few inches to several feet. Nearer the valley floors, the character of the overburden changes from residual soil to slumping talus and soil and then to glaciofluvial gravels. Samples taken in waterlain glacial material may not accurately reflect the metal content of the underlying bedrock as any metal-bearing flow may be diluted by water in the gravels.

Several profile studies indicated that the 'B' horizon was best developed at a depth of about six inches. Samples were generally taken at this depth. The soil was collected with a plastic scoop and transferred into kraft paper sample bags. The samples were then tied, recorded and shipped to Van Geochem Labs for assay for Cu and Mo.

The procedure used for laboratory processing and analysis of soil samples is as follows:

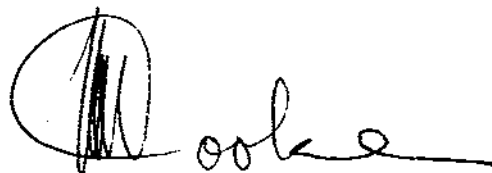
1. Samples are sorted, recorded and dried at 60°C.
2. Dried samples are sieved to -80 mesh fraction with a nylon and stainless steel sieve.
3. 0.5 gram of -80 mesh sample fraction is weighed into a test tube and digested with hot 70% perchloric and concentrated nitric acid. Samples are digested until all organic material is oxidized (approx. 4 hrs.).
4. Digested samples are diluted to 25 ml. volume with demineralized H₂O and mixed thoroughly. Solutions are settled until clear.
5. Copper is analyzed in aqueous solution with Techtron A-A-3 Atomic Absorption Unit - Detection limit in soils and stream sediments for Copper is 1 p.p.m.
6. Molybdenum below 5 p.p.m. is analyzed colorimetrically, with stannous chloride - ammonium thiocyanate procedure and "moly Iso-amyl alcohol" is read on Bausch and Lomb Spectronic -20. Detection limit - 1 p.p.m. Molybdenum greater than 5 p.p.m. is analyzed by atomic absorption - detection 2 p.p.m.

The assay results from the samples indicate that several large anomalies are present on the property. A pronounced easterly trend of the anomalies may reflect structural control of the metal source. The sample results are interpreted to be valid indicators of an anomalous concentration of metals in the underlying bedrock.

CONCLUSIONS AND RECOMMENDATIONS

The sample results are interpreted to be valid indicators of an anomalous concentration of metals in the underlying bedrock. It is recommended that a comprehensive geological mapping program be undertaken to determine the

source of the metals and to point to any potential economic concentration of the metals. The mapping should be supplemented by ground geophysical surveys which will further elucidate the picture.

A handwritten signature in black ink, appearing to read "R. Cooke". The signature is written in a cursive style with a large, looped initial "R" and a long horizontal tail.

Statement of Expenditures
 Geochemical Survey on the
 Tami and Kim Claim Groups
 Liard Mining Division
N.T.S. 104 B

Tami Group #1

Salaries

G. Mitchell, 3 yr. geoph. student		
Field Supervision	12 days @ \$30/day	\$ 360
J. Wyman, Cook	12 days @ \$25/day	300
T. Dennis, Linecutter/Sampler	12 days @ \$25/day	300
P. Dennis, " "	12 days @ \$25/day	300
R. Dennis, " "	12 days @ \$25/day	300
J. Louie, " "	12 days @ \$25/day	300
M. Louie, " "	12 days @ \$25/day	300
D. McPhee, " "	10 days @ \$25/day	250
Andrew Louie, " "	10 days @ \$25/day	250
Albert Louie, " "	10 days @ \$25/day	250
		<hr/>
		\$2,910

Transportation

Trans-Provincial Airlines		
DC-3 180 miles @ \$1.45/mile		\$ 261
Okanagan Helicopter		
Bell 206B 7.9 hours @ \$258/hr.		\$2,035

Camp Supplies \$1,750

Assays \$1,542

Supervision

M. McInnis, Exploration Geologist		
	12 days @ \$35/day	\$ 420
		<hr/>
		\$8,918

(over)

Declared before me at the *City*
of *Vancouver*, in the
Province of British Columbia, this *7*
day of *November*, 1972, A.D.

M. J. McInnis

S. J. Gervette
~~... A Commissioner for taking Affidavits within British Columbia or~~
~~... A Notary Public in and for the Province of British Columbia.~~

Sub-mining Recorder

Kim Group #1

Salaries

G. Mitchell, 3 yr. geoph. student	7 days @ \$30/day	\$ 210
J. Wyman, Cook	7 days @ \$25/day	175
T. Dennis, Linecutter/Sampler	2 days @ \$25/day	50
P. Dennis, " "	5 days @ \$25/day	125
R. Dennis, " "	5 days @ \$25/day	125
J. Louie, " "	2 days @ \$25/day	50
M. Louie, " "	2 days @ \$25/day	50
L. Quock " "	4 days @ \$25/day	100
F. Abou, " "	4 days @ \$25/day	100
		<hr/>
		\$ 985

Transportation

Trans-Provincial Airlines		
Otter -180 miles @ \$1.25/mile		225
Okanagan Helicopters		
Bell 206-B 10.6 hrs. @ \$258/hr.		\$2,734

Camp Supplies \$ 550

Assays \$ 771

Supervision

M. McInnis, Exploration Geologist		
	7 days @ \$35/day	\$ 245
		<hr/>
		\$5,510
		<hr/> <hr/>

Declared before me at the City
of Vancouver, in the
of British Columbia, this 7
November, 1972, A.D.

[Signature]

[Signature]
A Commissioner taking Affidavits in British Columbia
A Notary Public in and for the Province of British Columbia

Sub-mining Recorder

D. L. COOKE AND ASSOCIATES LTD.

MINERAL EXPLORATION CONSULTANTS

TELEPHONE:
BUS. 576-8148
RES. 576-8170

16331 BELL ROAD
SURREY, B. C.,
CANADA

STATEMENT OF QUALIFICATIONS

I, DAVID LAWRENCE COOKE, of the Municipality of Surrey, British Columbia, Canada,

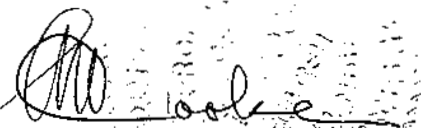
HEREBY CERTIFY:

1. That I am a Consulting Geologist, residing at 16331 Bell Road, Surrey, B.C., with an office at the same address.
2. That I graduated with a B.Sc. degree in Geology from the University of New Brunswick in 1959, and received my M.A. and Ph.D. degrees in Geology from the University of Toronto in 1961 and 1966 respectively.
3. That since graduation I have practised my profession as a Geologist in Canada, Mexico and Jamaica.
4. That I am a certified member of the Association of Professional Engineers of the Province of British Columbia.
5. That I have examined the accompanying Geochemical Report on the TAMI and KIM CLAIM GROUPS, Snippaker Creek, Iskut River Area, together with the seven attached plans herein submitted. I concur with the manner in which the survey was conducted, and

with the conclusions and recommendations presented in this report by M. D. McInnis on behalf of Great Plains Development Company of Canada Ltd.

6. That I have known M. D. McInnis since his graduation in 1969 with a B.Sc. degree in Geology from the University of British Columbia, and I have found him to be a trustworthy and conscientious geologist.

DATED this 27th day of October, 1972, at Surrey, B.C.



D. L. Cooke, Ph.D., P.Eng.
Consulting Geologist

KIM 24 - KIM 23

KIM 22 - KIM 21

KIM 20 - KIM 19

KIM 18 - KIM 17

KIM 16 - KIM 15

KIM 29

KIM 27

KIM 14 - KIM 13

KIM 25

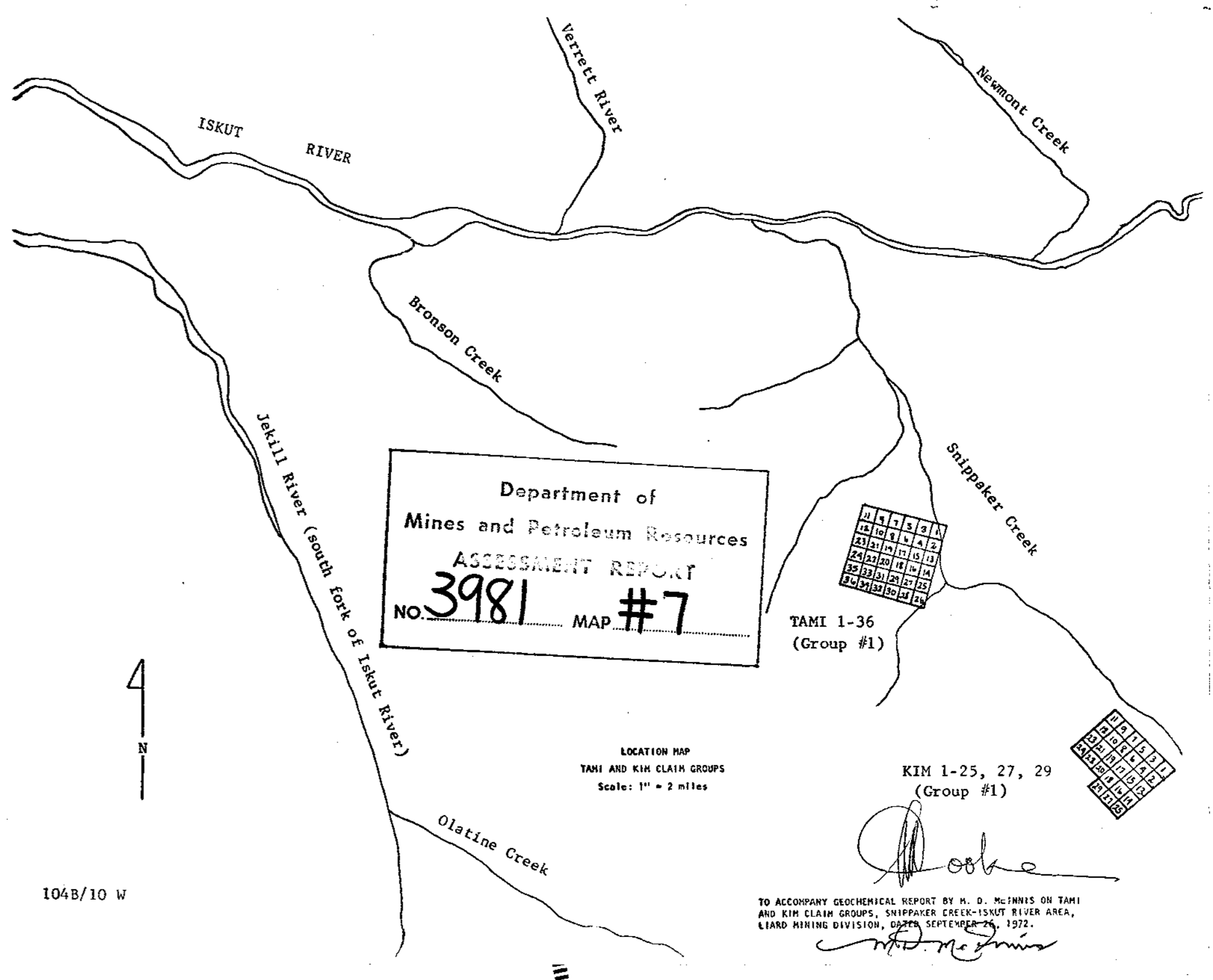
KIM 10 - KIM 9

KIM 8 - KIM 7

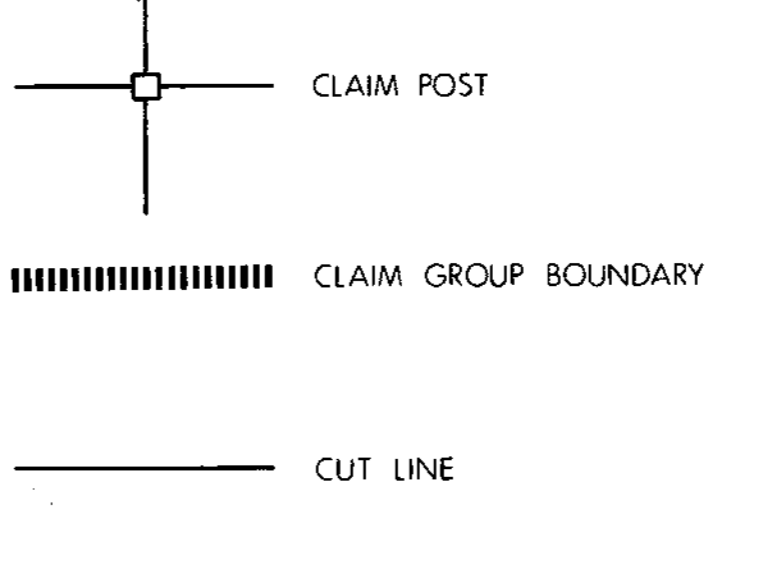
KIM 6 - KIM 5

KIM 4 - KIM 3

KIM 2 - KIM 1



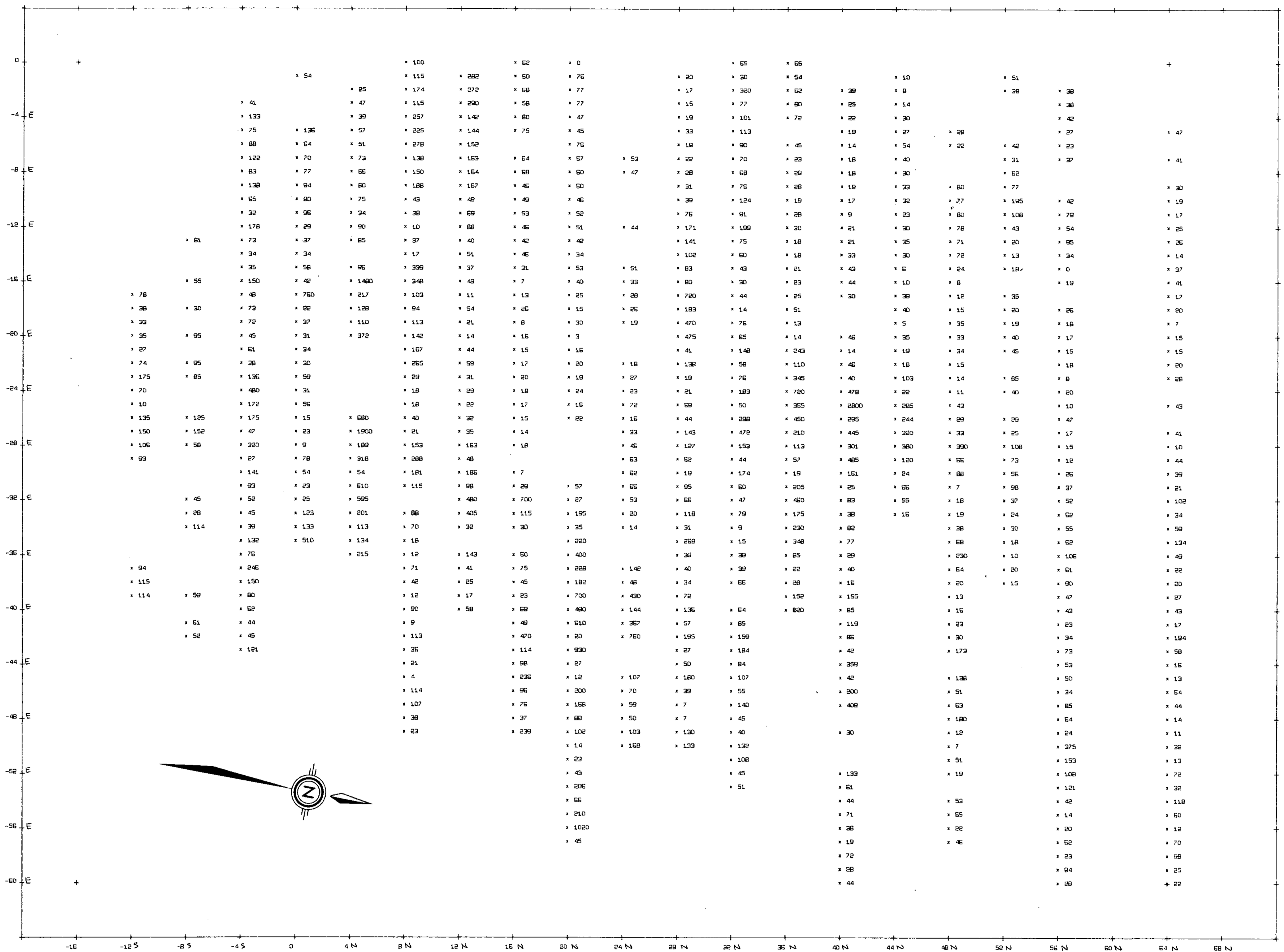
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Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3981 MAP #2

DEVELOPMENT COMPANY
OF CANADA, LTD.
BRITISH COLUMBIA
SNIPPAKER CREEK-ISKUT RIVER AREA
KIM GROUP No.1
PLAN OF LINECUTTING GRID
LIA RD M. D. N.T.S. 104 8/10W
200 300 0 200 400
FEET
M.M. SMITH
G. MITCHELL
September 1972

Doke
TO ACCOMPANY GEOCHEMICAL REPORT BY M.D. SMITH
ON THE TANI AND KIM CLAIM GROUPS, SNIPPAKER CREEK-ISKUT
RIVER AREA (LARD MINING DIVISION, DATED SEPTEMBER 26, 1972)



GREAT BRITAIN MINING CORPORATION, LTD.

BRITISH COLUMBIA
SHIPPAKER CREEK - ISKUT RIVER AREA
TAMI GROUP NO. 1
CU GEOCHEMISTRY RESULTS

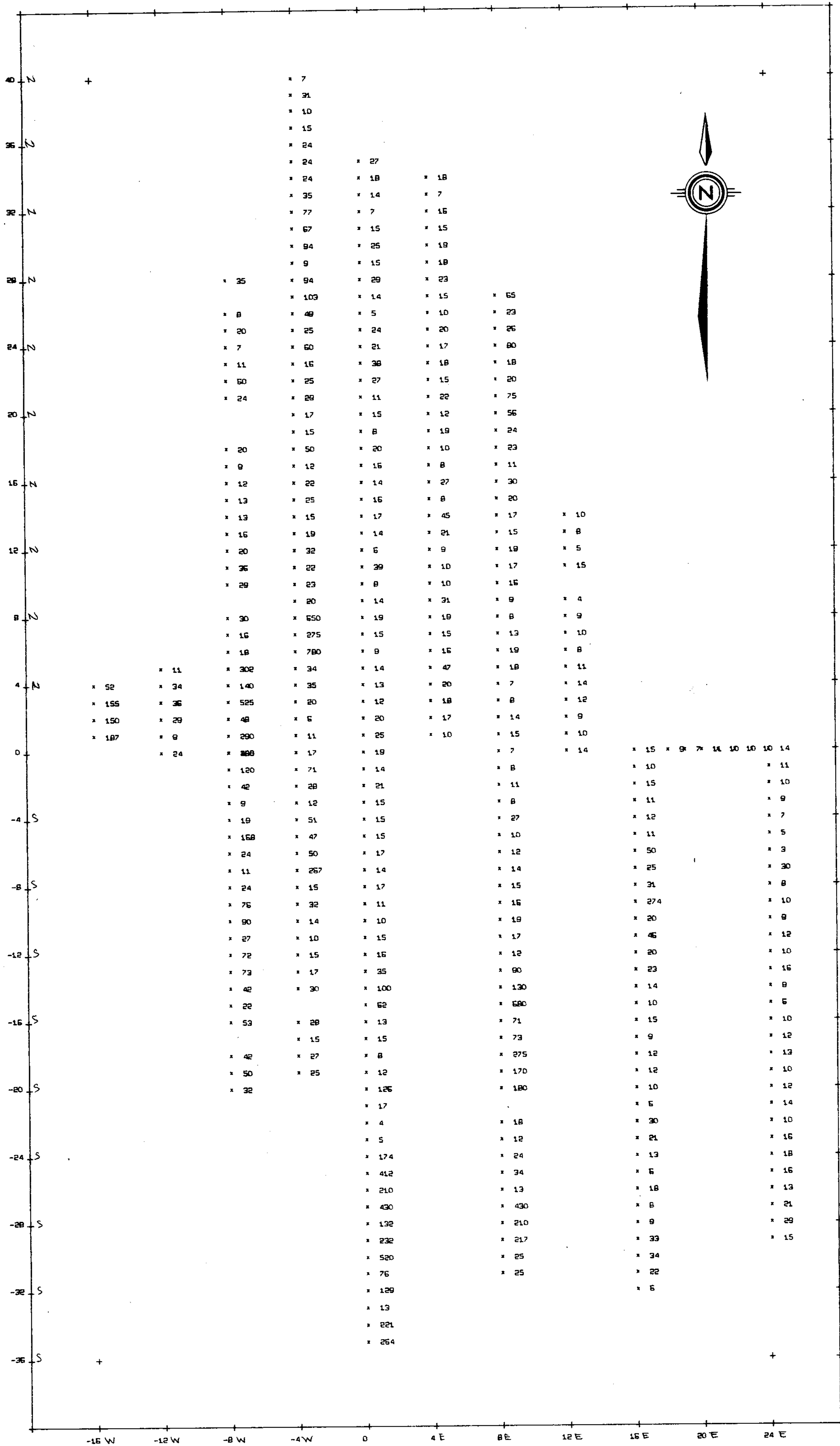
SCALE 1" = 400'

LIARD M. D.
M. E. McINNIS

NTS 104 E/10W
OCTOBER, 1972

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3981 MAP #3

- TO ACCOMPANY GEOCHEMICAL REPORT BY M. D. McINNIS
ON THE TAMI GROUP NO. 1, SHIPPAKER CREEK - ISKUT
RIVER AREA, LIARD MINING DIVISION, DATED OCTOBER 17, 1972.



GREAT PLAINS DEVELOPMENT COMPANY OF CANADA, LTD.

BRITISH COLUMBIA

SITING AND DEVELOPMENT OF MINES

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. **3981** MAP # **4**

KIM GROUP NO. 1

CU GEOCHEMISTRY RESULTS

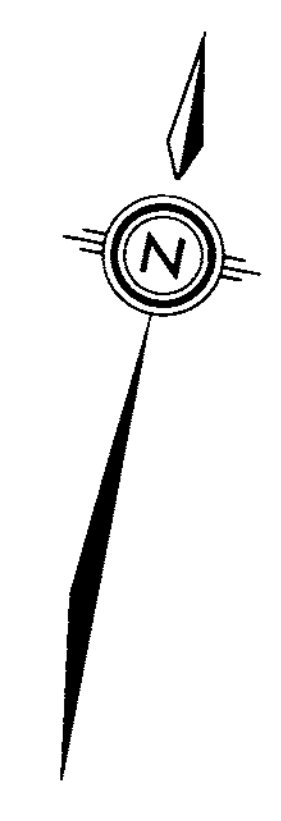
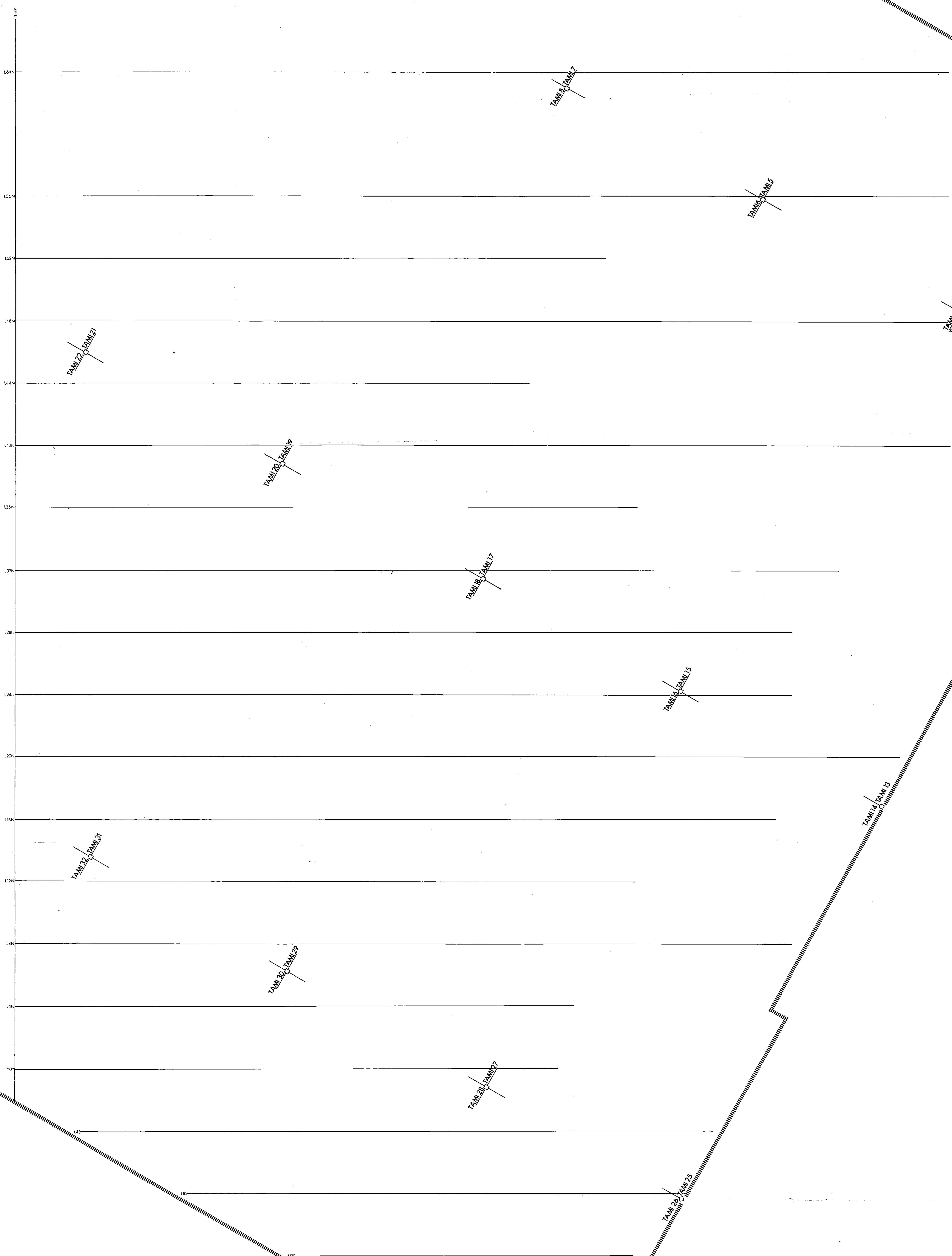
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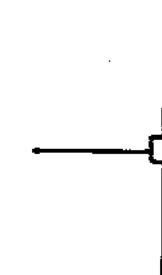

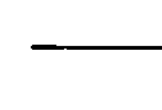
LIARD M. D.
H. D. McINNIS

HTS 104 B 10W
OCTOBER, 1972

- TO ACCOMPANY GEOCHEMICAL REPORT BY M. D. McINNIS
ON THE KIM GROUP NO. 1, SNIPPAKER CREEK - ISKUT RIVER
AREA, LIARD MINING DIVISION, DATED OCTOBER 17, 1972


M. D. McInnis



-  CLAIM POST
-  CLAIM GROUP BOUNDARY
-  CUT LINE

M-1
3981

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3981 M.#1

 DEVELOPMENT COMPANY
OF CANADA, LTD.
BRITISH COLUMBIA
SNIPPAKER CREEK-ISKUT RIVER AREA
TAMI GROUP No.1
PLAN OF LINECUTTING GRID
0 100 200 300 400
FEET
LIARD M.D. N.T.S. 104 B
M. McNEIL
G. MITCHELL
September, 1972

Choke and others
TO ACCOMPANY GEOCHEMICAL REPORT BY M.D. McNEIL
ON THE TAMI AND TAMI CLAIM GROUPS, SNIPPAKER CREEK-ISKUT
RIVER AREA, LIARD MINING DIVISION, DATED SEPTEMBER 26, 1972