

LOG NO: 12-31	RD.
ACTION:	
FILE NO:	

**ASSESSMENT REPORT**  
**ON GEOLOGICAL MAPPING AND CONTOUR SOIL SAMPLING**  
**OF THE AXE CLAIMS, SOUTH**  
**(Axe 9, 10 and 12 Claims)**

**Liard Mining Division, British Columbia**  
**NTS 104G/9W**  
**Latitude 57° 36' N**  
**Longitude 130° 19' W**

for  
**DRYDEN RESOURCE CORPORATION**  
Vancouver, B.C.

**RECEIVED**  
DEC 21 1990  
Gold Commissioner's Office  
VANCOUVER, B.C.

By  
**David T. Mehner, M.Sc., FGAC**  
**KEEWATIN ENGINEERING INC.**  
#800 - 900 West Hastings Street  
Vancouver, B.C.  
V6C 1E5

**GEOLOGICAL BRANCH**  
**ASSESSMENT REPORT**

20,686

December 14, 1990

Keewatin Engineering Inc.

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## INTRODUCTION

The Axe claims are located on the Klastline Plateau within the Stikine Arch of northwestern British Columbia. They were originally staked to cover ground thought to have excellent potential for hosting porphyry Cu-Au mineralization or precious metal rich veins which commonly occur peripheral to these deposits.

Initial exploration carried out on the property in 1989 was limited to stream silt sampling, prospecting and rock sampling. In 1990, Keewatin Engineering Inc. was contracted by Dryden Resource Corporation to further evaluate the property and assess its potential for Cu-Au mineralization. Field work was carried out from a camp established on the Klastline Plateau 3.5 km northeast of the property.

### Location and Access

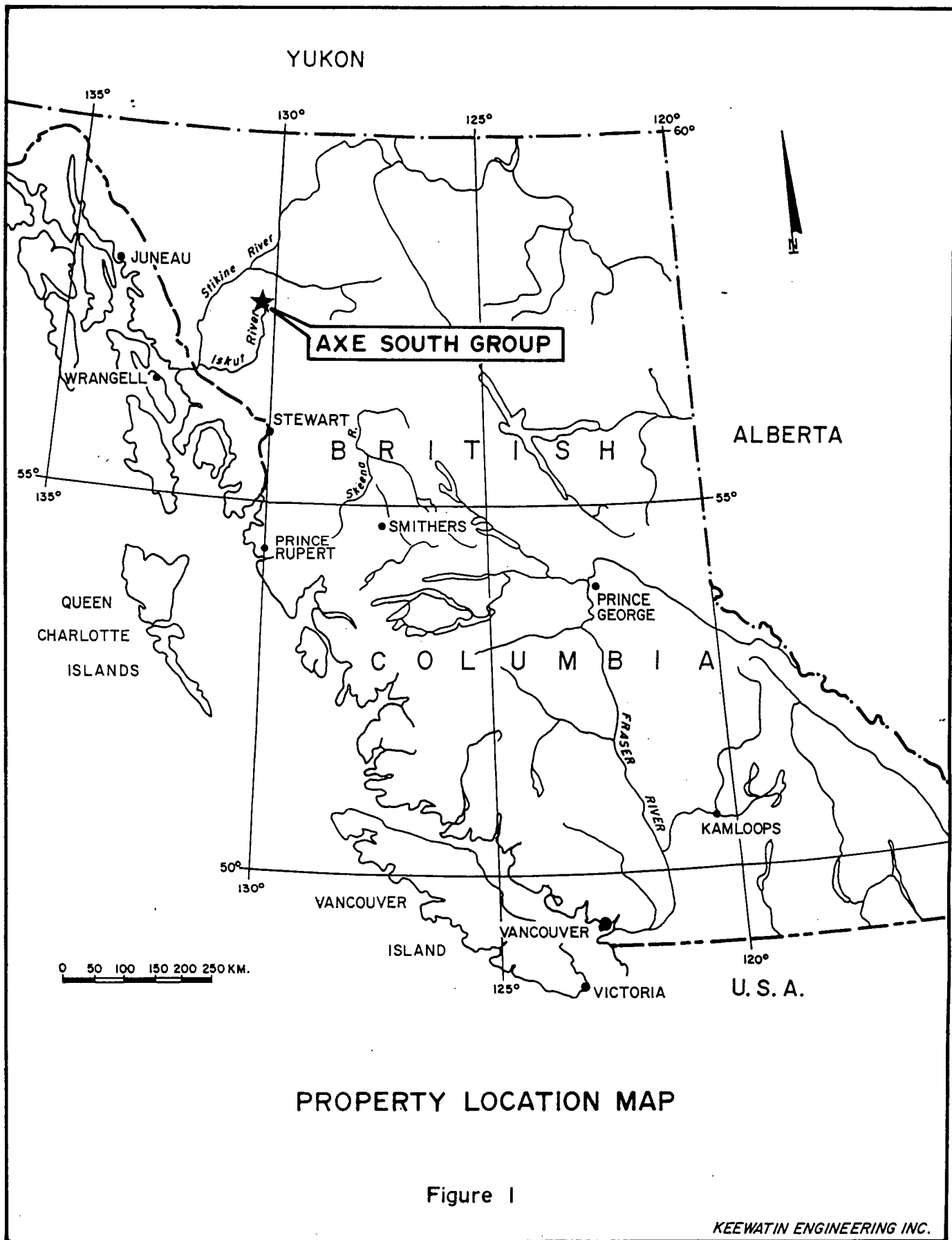
The Axe claims are located in the Stikine region of northwestern British Columbia approximately 180 km north of Stewart, B.C. (Figure 1). They are centred 10 km west of Kinaskan Lake and 35 km southwest of Iskut Village at 57° 36' North latitude and 130° 19' West longitude on NTS map sheet 104G/9W (Figure 2).

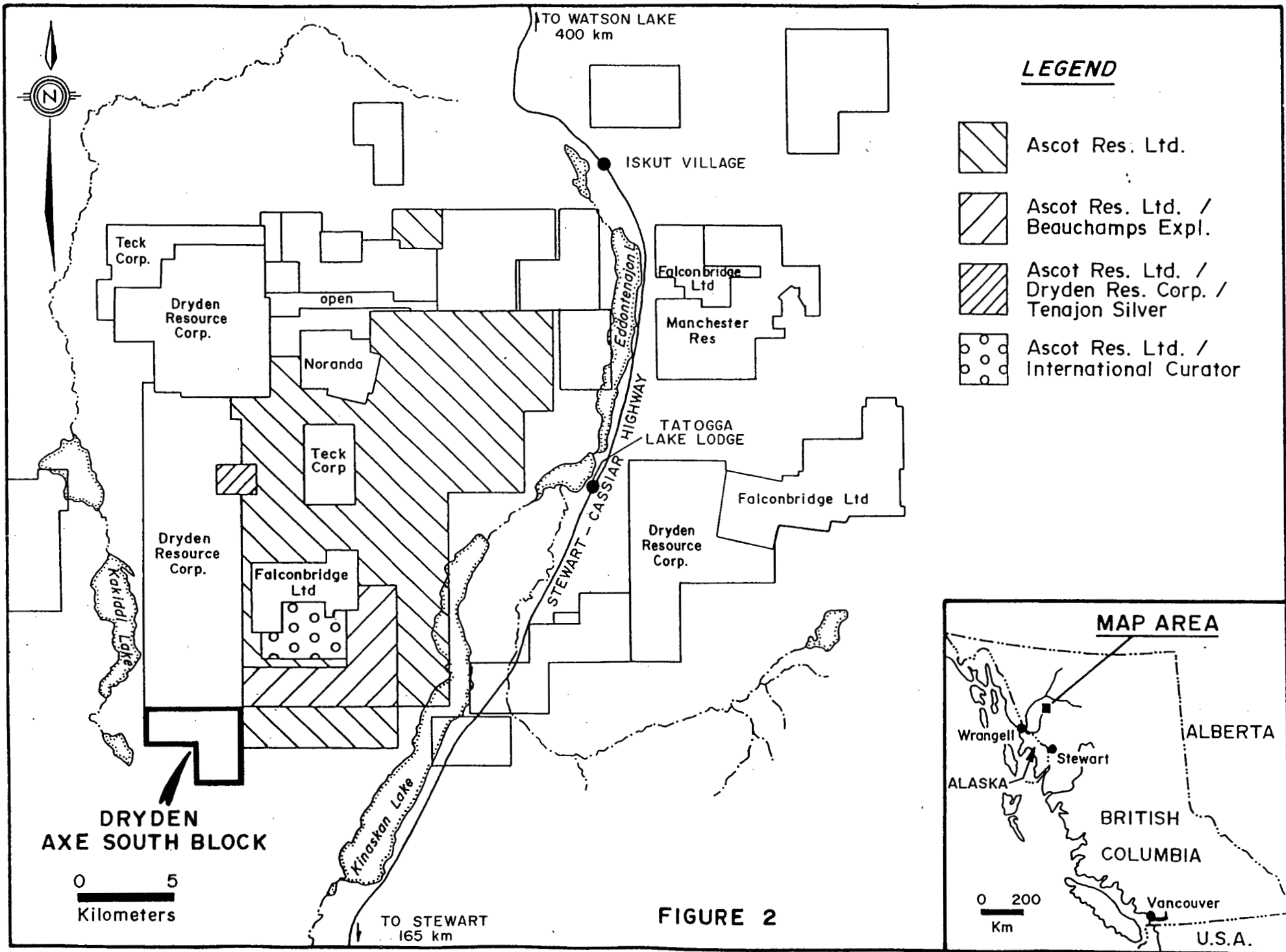
Access is via helicopter from Tatogga Lake Lodge, a resort located 15 km south of Iskut Village and 23 km northeast of the property. Both the lodge and Iskut Village are situated on the Stewart-Cassiar Highway. The proposed B.C. Rail extension to Dease Lake is about 32 km east of Kinaskan Lake.

### Topography

The south Axe claims are situated immediately southwest of the Klastline Plateau and are characterized by gently rolling hills. Elevations vary from 2,700 feet above sea level on the west side of the claims to 4,600 feet above sea level along hill tops (Map 1).

Vegetation consists of swamp grass in low areas with spruce and pine common elsewhere. Sub-alpine scrub occurs around tree line.





Precipitation is moderate, averaging 100 cm per year. Thick accumulations of snow are common during winter. It is seldom possible to begin surface geological work before July and difficult to continue past September.

### Property and Ownership

The Axe claims are located in the Liard Mining Division (Figure 3) and consist of the following:

Claim Name	Record No.	No. of Units	Date Recorded	Due Date
Axe 9	5391	20	September 26, 1988	September 26, 1991*
Axe 10	5392	20	September 26, 1988	September 26, 1991*
Axe 12	5394	20	September 26, 1988	September 26, 1991*

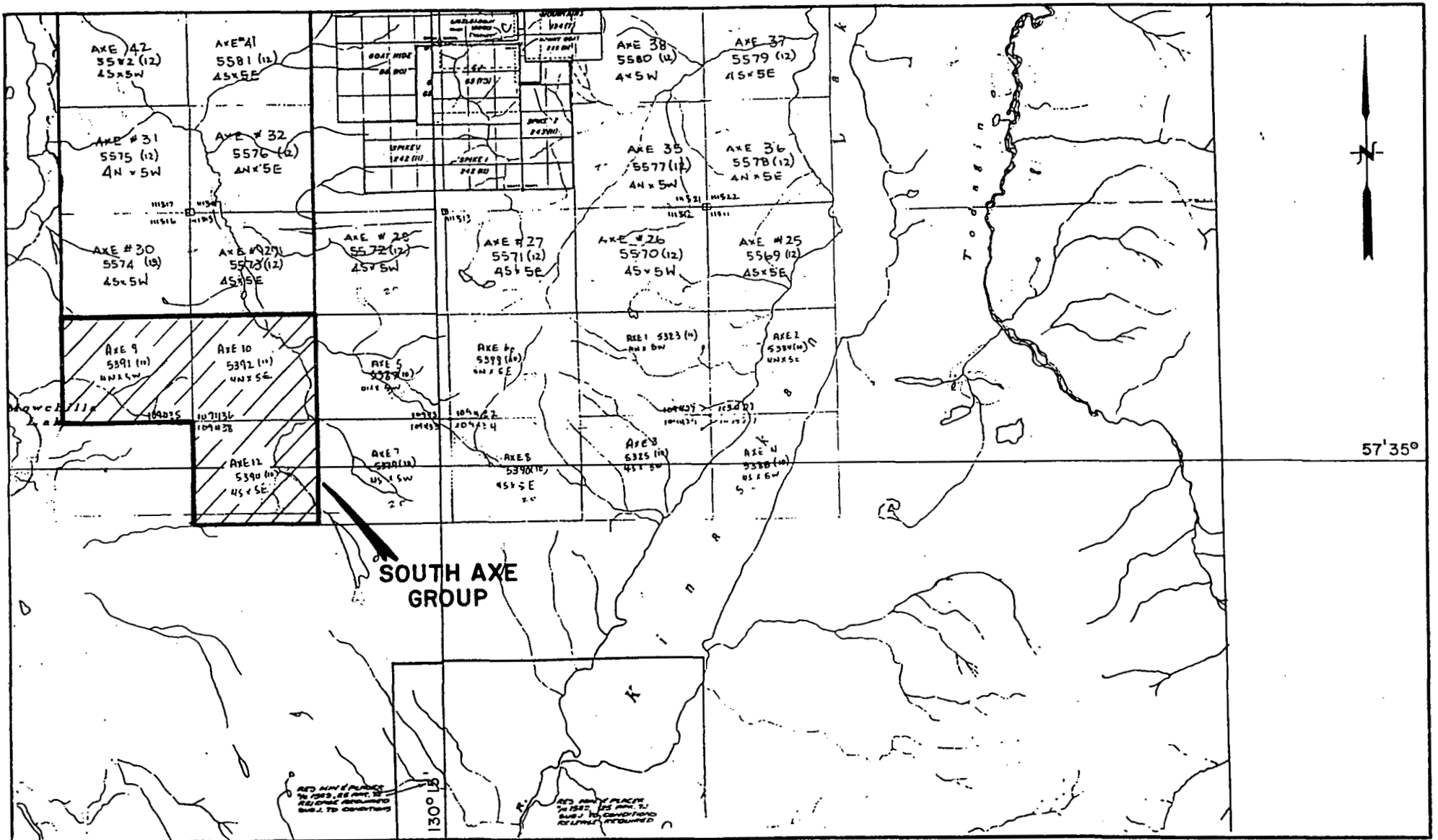
\* Due date after filing this report.

The claims are owned 100% by Dryden Resource Corporation with offices at 800 - 900 West Hastings Street, Vancouver, B.C. V6C 1E5.

### Previous Work

No mineral showings are known to exist on the claims discussed in this report nor is there any record of exploration work having taken place on them. However, 28 km to the northeast is the Red Chris, Cu-Au porphyry deposit. Initially explored in 1956, the bulk of the work took place between 1973 and 1976 when Cu-Au porphyry deposits were highly sought after in British Columbia. Reserves published by Silver Standard Mines Ltd. in 1977 (Panteleyev, 1977) stand at 45.2 million tons grading 0.56% Cu and 0.01 oz/ton Au. The property has not been worked since 1980.

On the Klastline Plateau, about 7 km to the northeast is the GJ, Cu-Au porphyry deposit. Although insufficient drilling has taken place to put firm numbers on grade or tonnage, there are strong indications that the deposit contains at least 30 million tons grading 0.30% Cu equivalent or better with mineralization open in all directions. This deposit was initially discovered by Conwest Exploration in 1964. Since then, Amoco, Norcen Energy and Canorex Minerals have all worked on



SCALE: 1:100,000

### CLAIM MAP

Figure 3



the property. The ground is now owned by International Curator Resources Ltd. of Vancouver and is being worked by Ascot Resources Ltd. under an option agreement.

Immediately west of the GJ deposit is Falconbridge Ltd.'s Groat Creek porphyry copper prospect. Work on this property was carried out between 1976 and 1977.

In 1988, the Klastline Plateau and area including the Axe south block of claims was covered by a regional stream silt sampling program (National Geochemical Reconnaissance, 1988).

## **GEOLOGY**

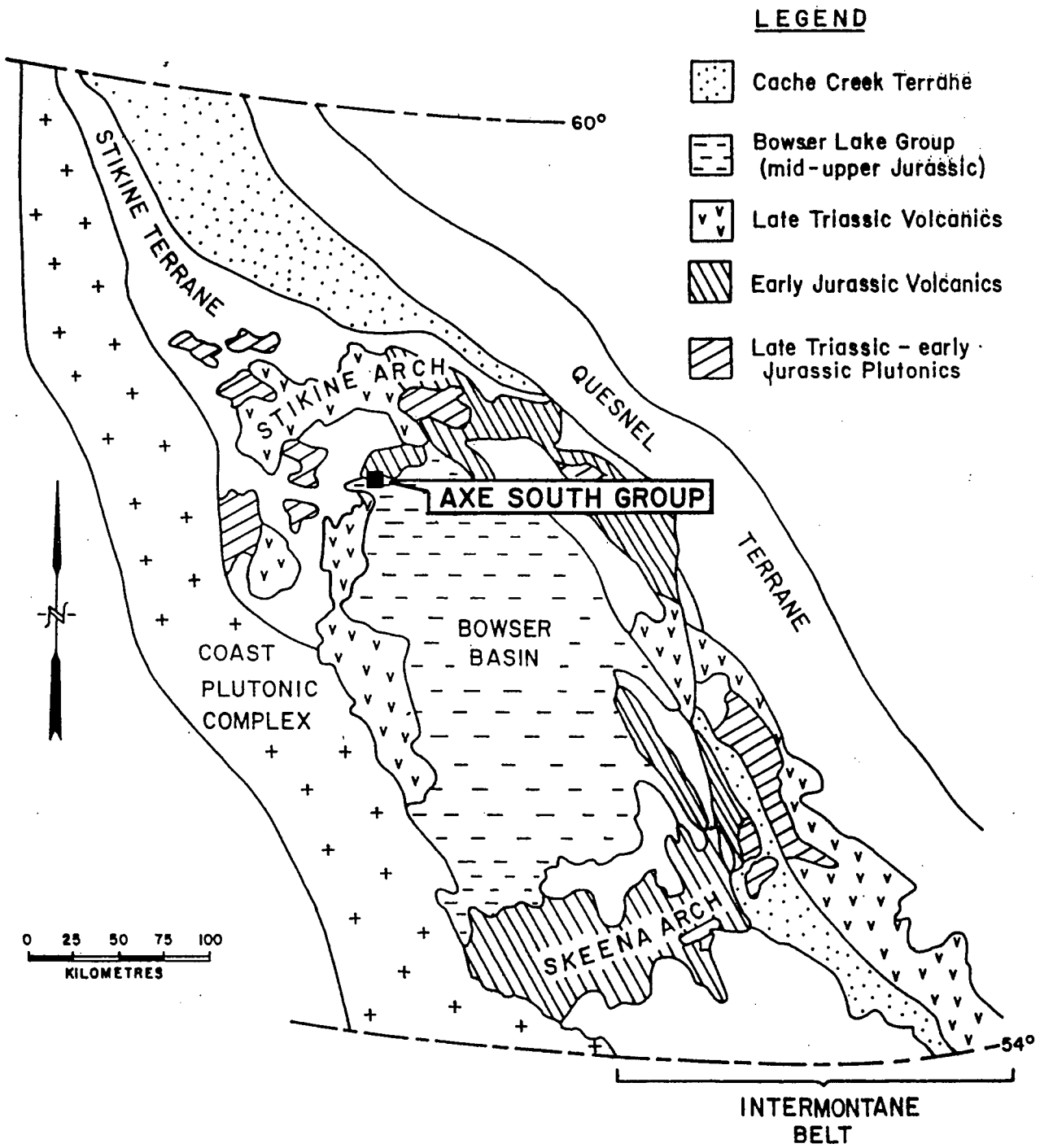
### **Regional Geology**

The Axe property is located on the southwest portion of the Klastline Plateau within the Intermontane-Tectono-Stratigraphic Belt of the Canadian Cordillera (Figure 4). The claims lie within the northeast half of the Stikine Arch near the contact with the unmetamorphosed sediments of the Bowser Basin.

The northern half of the Klastline Plateau (Figure 5) has been mapped as Upper Triassic augite-andesite flows, pyroclastics and derived volcanoclastics ranging from conglomerates down to siltstones (Souther, 1971). Minor limestone and chert occur within the stratigraphy. Related coeval intrusives cut all rock types. A regional fault trending northeasterly passes through the centre of Kakiddi Lake and intersects the Iskut Valley fault zone at the north end of Kinaskan Lake. To the south of the fault the G.S.C. mapped the rocks as a downthrown sequence of Middle Jurassic basalt pillow lavas, fragmentals and proximal volcanoclastic rocks intruded by coeval plutons. Subsequent K-Ar and Rb-Sr age dating (Schmitt, 1977) has yielded intrusive ages of 185 to 195 million years for the intrusive rocks south of the fault, suggesting the volcanic rocks are similar in age to the Upper Triassic stratigraphy north of the fault.

South of the volcanic units are chert pebble conglomerate, grit, greywacke and siltstone of the Middle to Upper Jurassic Bowser Group.

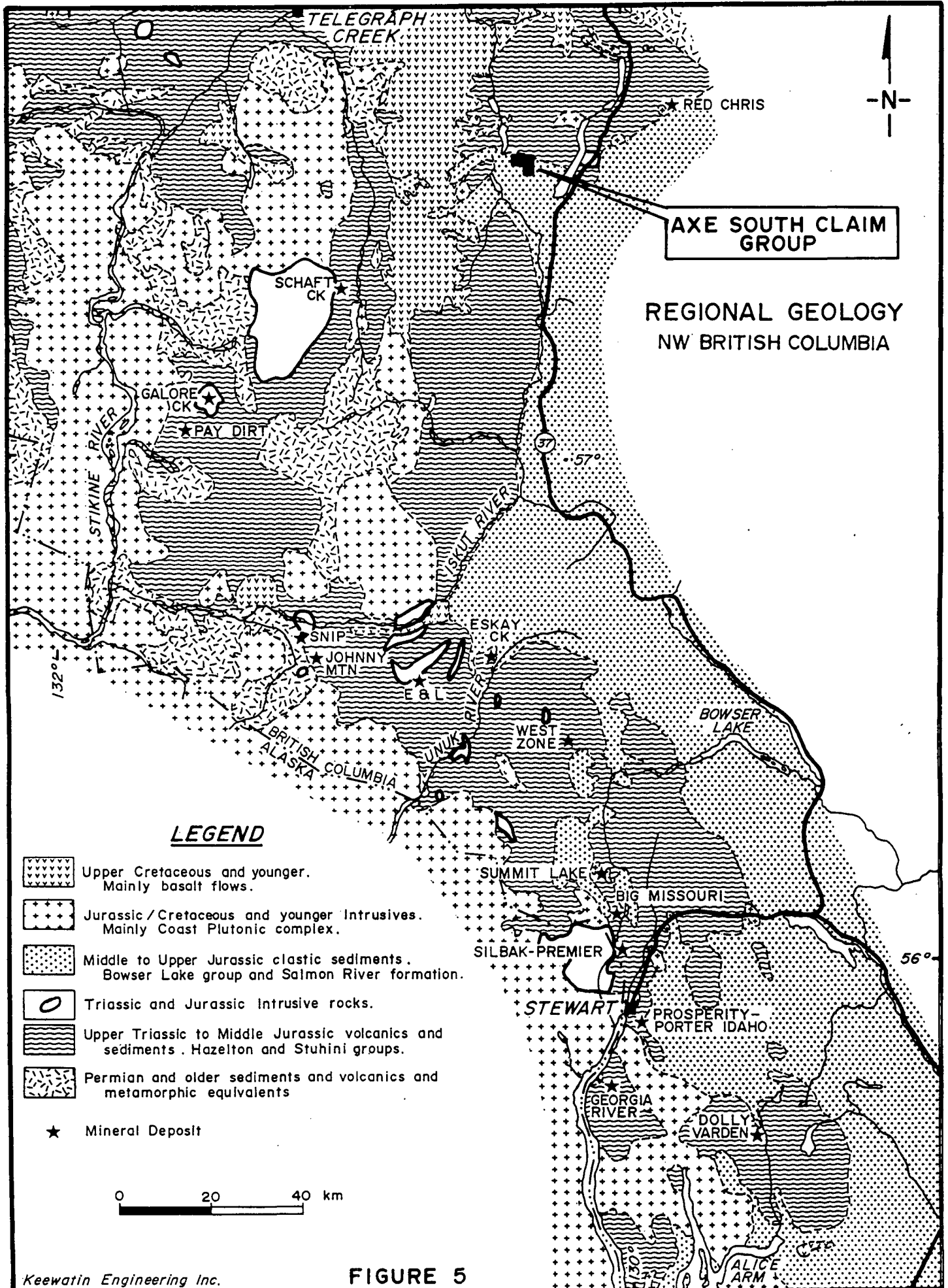
Capping Upper Triassic stratigraphy on the southern portion of the Plateau are Upper Tertiary basalt and olivine basalt flows. These often exhibit excellent columnar jointing.



**REGIONAL GEOLOGY  
BOWSER BASIN  
NW BRITISH COLUMBIA**

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

Figure 4



### Property Geology

Outcrop exposure is minimal due to glacial overburden and forest cover. Those that were observed on Axe 9 and 10 (Map 1) consist of bedded greywacke and siltstone with minor grit, and black, limy siltstone. Bedding is generally NW-SE with dips varying from 60°SW to 25°NE. Regional mapping by Souther (1971) indicates these rocks are part of the Upper Triassic stratigraphy.

To the south, unconformably overlying the Upper Triassic assemblage are shale, siltstone, greywacke and chert pebble conglomerate of the Jurassic, Bowser Group.

### Mineralization

Observed mineralization within the property is confined to local disseminated pyrite measuring well less than 1%. Minor local limonite occurs within the various rock types.

### Alteration

Upper Triassic rocks have been subjected to low grade regional metamorphism with minor calcite fracture filling being the extent of alteration.

The overlying Bowser assemblage appears unmetamorphosed and undeformed.

### Structure

Aside from the angular unconformity separating the Triassic from the Jurassic rocks, no significant structures were observed on the property.

## GEOCHEMISTRY

### Sampling

During the 1990 field season, 96 soil samples were collected from flagged lines put in between the 4,100 and 4,200 foot elevations over the Axe 9 and 10 claims.

Samples were taken at 50 metre intervals from the B soil horizon (where present) with the aid of a mattock and collected in brown kraft sample bags.

### Analysis

All samples were sent to Min-En Laboratories in Smithers, B.C. where they were processed and analyzed for gold. Pulps were forwarded to Min-En Laboratories in Vancouver, B.C. for Hg plus 7 element ICP analysis.

Analytical procedures used by Min-En are outlined in Appendix C. Results are listed in Appendix D and sample locations and values are plotted on Maps 2 to 5.

### Results

Soil sample results are relatively low for all elements analyzed and no anomalies are indicated from the work. A more complete summary of results is as follows:

Copper: (Map 2)	Range 13 to 98 ppm
Lead: (Map 4)	Range 4 to 41 ppm
Zinc: (Map 4)	Range 55 to 531 ppm; three clusters of three to four samples $\geq 300$ ppm Zn occur within the sampled area
Silver: (Map 3)	Range 0.10 to 3.1 ppm
Gold: (Map 2)	Range 1 to 12 ppb
Arsenic: (Map 5)	Range 1 to 68 ppm
Mercury: (Map 5)	Range 40 to 325 ppb
Antimony: (Map 5)	Range 1 to 2 ppm
Molybdenum: (Map 3)	Range 1 to 19 ppm; four samples contain $>10$ ppm

### CONCLUSIONS

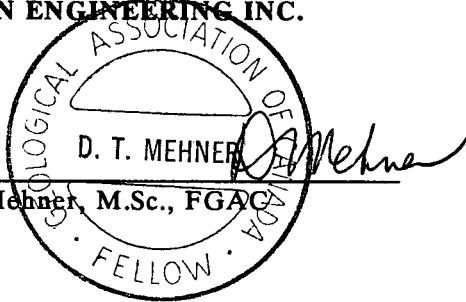
The exploration work in 1990 failed to discover any economically significant mineralization on the property nor did it uncover any altered or anomalous zones which indicate significant mineralizing processes have occurred within the claim boundaries.

**RECOMMENDATIONS**

No further work is recommended for the Axe 9, 10 and 12 mineral claims.

Respectfully submitted,

**KEEWATIN ENGINEERING INC.**



David T. Mehner, M.Sc., FGAC

**REFERENCES**

- Forsythe, J.R., Peatfield, G.R., Gasteiger, W.A. and Donnelly, D.A. 1977. Report on Geochemical and Geophysical Surveys, Diamond Drilling and Supporting Work on the Groat Creek Claims, Liard Mining Division. B.C. Dept. of Mines and Petroleum Resources, Assessment Report 6541.
- McInnes, M.D. 1981. Drilling Report on the GJ and Spike 1 and 2 Claims. B.C. Department of Mines and Petroleum Resources, Assessment Report 9773.
- Mehner, D.T. 1989. Assessment Report on Geological Mapping, Prospecting and Stream Silt Sampling of the Axe Claims, South and East Blocks, Liard Mining Division, B.C.; NTS 104G/9W and 104H/12W.
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- Nichols, R.F. 1989. Geological Report on the GJ Property, Liard Mining Division. Unpublished Company Report for Ascot Resources Ltd.
- Panteleyev, A. 1977. Red-Chris Deposit (104H/12W) in Geology in British Columbia, 1976. British Columbia Department of Mines and Petroleum Resources, Victoria, pp. 125-127.
- Schmitt, H.R. 1977. A Triassic-Jurassic Granodiorite Monzodiorite Pluton South-East of Telegraph Creek, B.C. Unpublished B.Sc. Thesis, University of British Columbia, Vancouver, 91 pp.
- Souther, J.G. 1971. Telegraph Creek Map-area, British Columbia. Geological Survey of Canada, Paper 71-44.

**APPENDIX A**

**Statement of Expenditures**



**STATEMENT OF EXPENDITURES**

For work on the Axe 9, 10 and 12 claims

**Salaries**

David Mehner, Senior Geologist	0.5 days @ \$400/day	\$ 200.00	
Jason Miller, Geologist	2.0 days @ \$275/day	550.00	
Keith Louis, Sampler	1.0 days @ \$175/day	175.00	
Curt Kauss, Sampler	1.0 days @ \$225/day	225.00	
Trevor Shepard, Sampler	1.0 days @ \$175/day	175.00	
James Tashoots, Sampler	1.0 days @ \$175/day	175.00	
Verna Jordan, Cook/First Aid	1.0 days @ \$250/day	<u>250.00</u>	
			\$ 1,750.00

**Accommodation and Food**

Keewatin Engineering personnel	7.5 man days @ \$60/man-day	\$ 450.00	
Helicopter Pilot	1.0 man days @ \$60/man-day	<u>60.00</u>	
			510.00

**Equipment Use**

Keewatin personnel	7.5 man days @ \$15/day		112.50
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<b><u>Helicopter</u></b> (including fuel)	0.8 hours @ \$670/hour		536.00*
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**Geochemistry**

Soil samples (includes sample prep, Au fire geochem, Hg analysis and 7 element ICP)	96 samples @ \$10.00 each		960.00*
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**Camp Construction & Maintenance**

Pro-rated share based on projects			802.50
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**Freight & Miscellaneous**

Topo thread, flagging, freight and bus			136.10*
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**Report Writing Costs**

D. Mehner	1.5 days @ \$400/day	\$ 600.00	
Typing, drafting, blueprints, binding, etc.		<u>550.00</u>	
			<u>1,150.00</u>

**Sub-Total: \$ 5,957.10**

**Handling Fee** - 10% on 3rd Party Invoices by Keewatin Engineering Inc.  
(denoted by \*)

163.21

**TOTAL EXPENDITURES: \$ 6,120.31**

**APPENDIX B**

**Summary of Personnel**

**SUMMARY OF PERSONNEL**

<b><u>Name</u></b>	<b><u>Position</u></b>	<b><u>Sampler Code</u></b>	<b><u>Dates Worked</u></b>
David Mehner	Senior Geologist	"AA"	September 3
Jason Miller	Geologist	"O"	August 22, September 3
Keith Louis	Sampler	"CL"	September 3
Curt Kauss	Sampler	"Y"	August 22
Trevor Shepard	Sampler	"V"	August 22
James Tashoots	Sampler	"JT"	September 3
Verna Jordan	Cook/1st Aid Attendant		September 3

**APPENDIX C**

**Analytical Procedures Used by Min-En Laboratories**

## ANALYTICAL PROCEDURES USED BY MIN-EN LABORATORIES

### Hg Analysis

Samples are processed by Min-En Laboratories at 705 West 15th Street, 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 two 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 dilutions made if necessary.

### ICP Analysis for Cu, Pb, Zn, Ag, As, Sb, Mo

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 two 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.

### Au Fire Geochem

A suitable sample weight; 15.00 or 30.00 grams is fire assay pre-concentrated. 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.

**APPENDIX D**

**Soil Geochemistry Results for the Axe Claims, South Block**







COMP: KEEWATIN ENGINEERING  
 PROJ: 181  
 ATTN: R.NCIHOLS/D.MEHNER

**MIN-EN LABS — ICP REPORT**  
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2  
 (604)980-5814 OR (604)988-4524

FILE NO: OV-1316-SJ1+2  
 DATE: 90/09/07  
 • SOIL \* (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90 V 181 S 020 DS	2	.3	24	25	183	44	1	5	200
90 V 181 S 021	1	.5	32	25	162	31	1	4	125
90 V 181 S 022	6	.3	26	28	156	57	1	4	130
90 V 181 S 023	1	1.0	13	27	206	21	1	4	120
90 V 181 S 024	1	.7	18	17	194	36	1	4	105
90 V 181 S 025	2	1.0	30	22	213	47	1	3	110
90 V 181 S 026	1	1.5	24	25	194	48	1	5	125
90 V 181 S 027	1	1.0	18	25	407	53	1	5	195
90 V 181 S 028	2	.5	22	17	172	41	1	4	255
90 V 181 S 029	1	.2	25	37	360	25	1	19	185
90 V 181 S 030 DS	1	.1	19	21	164	32	1	5	130
90 V 181 S 031	1	.1	20	21	179	66	1	4	260
90 V 181 S 032	3	.4	18	26	147	58	1	4	170
90 V 181 S 033	1	.6	25	21	153	65	1	3	155
90 V 181 S 034	2	1.3	35	20	368	27	1	7	150
90 V 181 S 035	1	1.5	34	21	303	32	1	6	210
90 V 181 S 036	1	1.2	38	25	818	42	1	17	325
90 V 181 S 037	2	1.6	54	23	175	68	1	5	285
90 V 181 S 038	1	1.3	49	26	215	35	1	8	285
90 V 181 S 039	1	1.0	28	21	189	23	1	5	195
90 V 181 S 040	1	.7	31	20	178	32	1	6	135
90 V 181 S 041	2	.2	98	30	372	56	1	4	170
90 V 181 S 042	1	.9	25	21	451	53	1	11	170
90 V 181 S 043	4	1.3	28	16	206	52	1	4	210
90 V 181 S 044	1	1.4	21	24	171	29	1	6	245
90 V 181 S 045	2	1.2	32	18	135	60	1	4	195
90 V 181 S 046	1	.4	18	20	106	29	1	5	305
90 V 181 S 047	1	.5	17	13	145	25	1	4	275
90 V 181 S 048	3	.1	16	20	103	12	1	4	180
90 V 181 S 049	1	.1	21	21	101	44	1	5	170
90 V 181 S 050 DS	2	1.0	20	26	133	22	1	4	135
90 V 181 S 051	1	.5	19	13	186	1	1	9	85
90 V 181 S 052	2	1.4	60	26	214	20	1	11	115
90 Y 181 S 050	2	.8	24	33	210	29	1	3	125
90 Y 181 S 051	1	1.4	39	30	304	21	1	5	110
90 Y 181 S 052	1	1.7	34	20	352	20	1	5	135
90 Y 181 S 053	2	.9	26	26	129	55	1	5	120
90 Y 181 S 054	1	1.7	18	29	211	47	1	5	95
90 Y 181 S 055	2	3.1	24	22	101	1	1	3	130
90 Y 181 S 056	2	1.5	48	29	99	10	1	5	120
90 Y 181 S 057	1	.7	19	20	165	24	1	5	205
90 Y 181 S 058	1	.9	41	17	228	45	1	7	95
90 Y 181 S 059	2	.6	22	22	140	53	1	5	115
90 Y 181 S 060	1	.6	20	21	253	24	1	4	135
90 Y 181 S 061	1	.3	24	25	135	57	1	3	220
90 Y 181 S 062	1	.9	20	21	253	39	1	2	195
90 Y 181 S 063	3	1.1	21	23	287	19	1	12	170
90 Y 181 S 064	3	1.4	32	35	300	1	1	11	165
90 Y 181 S 065	2	1.0	30	18	239	34	1	5	100
90 Y 181 S 066	4	1.0	26	30	433	32	1	3	90
90 Y 181 S 067	1	1.1	33	23	280	39	1	6	115
90 Y 181 S 068	5	1.6	48	16	140	28	1	7	275
90 Y 181 S 069	12	.8	35	20	224	47	1	4	230
90 Y 181 S 070	2	1.2	37	27	265	22	1	3	195
90 Y 181 S 071	1	.4	22	27	201	24	1	5	205
90 Y 181 S 072 DS	1	.8	30	33	330	5	1	7	235
90 Y 181 S 073	2	2.0	21	29	171	1	1	1	170
90 Y 181 S 074	1	1.0	33	23	159	41	1	4	175
90 Y 181 S 075	1	1.7	16	30	212	4	1	7	190
90 Y 181 S 076	2	.8	30	24	167	37	1	3	245



**APPENDIX E**

**Soil Sample Descriptions**

# KEEWATIN ENGINEERING INC.

## SOIL SAMPLES

Project: DRYDEN NORTH

Results Plotted By: \_\_\_\_\_

Area (Grid): \_\_\_\_\_

Map: \_\_\_\_\_ N.T.S.:

Collectors: CASEY AND JAMES (CHIEF)

Date: SEPTEMBER 2 1990

Sample Number	Sample Location		Notes	Topography				Vegetation					Soil Data						
	ELEV time	Station		Valley Bottom	Direction of slope	Hill Top	Level Ground	Heavily Wooded	Sparsely Wooded	Burnt	Logged	Grassland	Swampy	Horizon Sampled	Horizon Development		Parent Material		Colour
															Depth to Horizon Sample	Good	Poor	Drill	
90-CL-1915-			DB - DARK BROWN LB - LIGHT BROWN MB - MEDIUM BROWN																
			START AT CREEK BANK																
101	1070	0700	80 SAND 10 SILT 10 ORGANICS		N		✓						R	45	✓		✓		LB
102	1070	1700	80 SAND 10 SILT 10 ORGANICS		N		✓						B	50	✓		✓		LB
103	1070	2700	60 SAND 10 SILT 10 ORGANICS 20 ANG FRAGS		W		✓						B	50	✓		✓		DR
104	1070	3700	60 SAND 30 ANGULAR FRAGS 10 SILT		N		✓						B	35	✓		✓		DB
105	1070	4700	60 SAND 10 SILT 20 CLAY 10 ANGULAR FRAGS		N		✓						R	35	✓		✓		DR
106	1070	5700	60 SAND 20 SILT 10 ANGULAR FRAGS 10 CLAY		N		✓						B	50	✓		✓		MR
107	1070	6700	60 SAND 10 SILT 10 CLAY 10 ORG 10 ANG FRAGS		N		✓						B	55	✓		✓		LR
108	1070	7700	60 SAND 10 SILT 10 GRAVEL 20 CLAY		N		✓						B	30	✓		✓		DR
109	1070	8700	60 SAND 10 SILT 20 ROUNDED FRAGS 10 CLAY		W		✓						B	35		✓	✓		LB
110	1070	9700	70 SAND 10 SILT 20 ORGANICS		W		✓						R	50	✓		✓		MB
111	1070	10700	60 SAND 10 SILT 10 ANGULAR FRAGS 20 ORGANICS		W		✓						R	45	✓		✓		MR
112	1070	11700	60 SAND 10 SILT 20 ROUNDED FRAGS 10 ORGANICS		W		✓						B	40	✓		✓		DR
113	1070	12700	50 SAND 10 SILT 20 ROUNDED FRAGS 20 ORGANICS		W		✓						B	40	✓		✓		DB
114	1070	13700	50 SAND 40 GRAVEL 10 SILT		W		✓						B	40	✓		✓		DR
115	1070	14700	50 SAND 20 SILT 20 ROUNDED FRAGS 10 ORGANICS		W		✓						B	30	✓		✓		MR
116	1070	15700	50 SAND 20 SILT 20 ROUNDED FRAGS 10 ORGANICS		W		✓						B	35	✓		✓		MR
117	1070	16700	50 SAND 10 SILT 30 ORGANICS 10 CLAY		W		✓						B	40	✓		✓		DB
118	1070	17700	60 SAND 10 SILT 20 ROUNDED FRAGS 10 CLAY		W		✓						B	45	✓		✓		DB
119	1070	18700	60 SAND 10 SILT 10 ORGANICS 20 ROUNDED FRAGS		W		✓						B	45		✓	✓		DB
120	1070	19700	60 SAND 10 SILT 20 ANG FRAGS 10 ORGANICS		W		✓						A	40		✓	✓		LB
121	1070	20700	30 SAND 40 ORGANICS 30 CLAY		SW		✓				✓		B	50	✓		✓		GREY
122	1070	21700	80 ORGANICS 20 CLAY		SW		✓				✓		B	40	✓		✓		BLACK
123	1070	22700	90 ORGANICS 10 CLAY		SW		✓				✓		A	40		✓	✓		BLACK
124	1070	23700	90 ORGANICS 10 CLAY		SW		✓				✓		A	40		✓	✓		BLACK
125	1070	24700	90 ORGANIC 10 CLAY		SW		✓				✓		A	35		✓	✓		BLACK

AXE  
GJ

# KEEWATIN ENGINEERING INC.

## SOIL SAMPLES

Project: \_\_\_\_\_

Results Plotted By: KEITH (CASEY) LOUIE

Area (Grid): \_\_\_\_\_

Map: \_\_\_\_\_ N.T.S.: \_\_\_\_\_

Collectors: KEITH (CASEY) LOUIE JAMES (CHIEF) TASHOOTS

Date: \_\_\_\_\_

Sample Number	Sample Location		Notes	Topography				Vegetation				Soil Data								
	ELEV Line	Station		Valley Bottom	Direction of slope	Hill Top	Level Ground	Heavily Wooded	Sparsely Wooded	Burnt	Logged	Grassland	Swampy	Horizon Sampled	Depth to Horizon Sample	Horizon Development		Parent Material		Colour
																Good	Poor	Drift	Bedrock	
126	1280	0+50	60 SAND 10 SILT 30 ORGANICS		W				✓				A	30	✓		✓		LB	
127	1280	1+00	80 SAND 10 SILT 10 ANGULAR FRAGS		W				✓				A	40	✓		✓		MB	
128	1280	1+50	60 SAND 10 SILT 10 GRAVEL 20 ORGANICS		W				✓				B	45	✓		✓		DB	
129	1280	2+00	80 ORGANICS 20 ANGULAR FRAGS		W				✓				B	40	✓		✓		BLACK	
130	1280	2+50	60 SAND 20 SILT 20 ANGULAR FRAGS		W				✓				B	50	✓		✓		LB	
131	1280	3+00	60 SAND 10 SILT 10 ORGANIC 20 ANG FRAGS		W				✓				B	45	✓		✓		LB	
132	1280	3+50	60 SAND 10 SILT 20 GRAVEL 10 ORGANICS		W				✓				B	40	✓		✓		DR	
133	1280	4+00	60 SAND 10 SILT 10 GRAVEL 20 ROUNDED FRAGS		W				✓				B	35	✓		✓		DR	
134	1280	4+50	50 SAND 30 ORGANICS 10 SILT 10 ANGULAR FRAGS		S				✓				B	40	✓		✓		DR	
135	1280	5+00	60 SAND 10 SILT 20 ANGULAR FRAGS 10 ORGANICS		S				✓				B	45	✓		✓		DR	
136	1280	5+50	60 SAND 10 SILT 20 GRAVEL 10 ORGANICS		S				✓				B	35	✓		✓		LB	
137	1280	6+00	60 SAND 10 SILT 20 ORGANIC 10 ANG FRAGS		S				✓				B	40	✓		✓		LB	
138	1280	6+50	50 SAND 10 SILT 30 ORGANICS 10 ANGULAR FRAGS		SE				✓				B	40	✓		✓		LB	
139	1280	7+00	80 SAND 10 SILT 10 ORGANICS		SE				✓				B	40	✓		✓		DR	
140	1280	7+50	60 SAND 10 SILT 20 GRAVEL 10 ORG		SE				✓				A	30	✓		✓		DR	
141	1280	8+00	70 SAND 10 SILT 20 ORGANICS		SE				✓				B	30	✓		✓		DR	
142	1280	8+50	70 SAND 10 SILT 20 ANGULAR FRAGS		SE				✓				B	25	✓		✓		MB	
143	1280	9+00	60 SAND 10 SILT 20 GRAVEL 10 ORGANIC		SE				✓				B	25	✓		✓		LB	
144	1280	9+50	70 SAND 10 SILT 10 ORGANICS 10 ANG FRAGS		SW				✓				A	30	✓		✓		LB	
145	1280	10+00	60 SAND 10 SILT 30 ANGULAR FRAGS		SW				✓				A	30	✓		✓		LB	
146	1280	10+50	70 SAND 10 SILT 10 ANGULAR FRAGS 10 ORGANIC		SW				✓				A	20	✓		✓		LB	
147	1280	11+00	60 SAND 10 SILT 20 ORGANICS 10 ANG FRAGS		SW				✓				B	30	✓		✓		LB	
148	1280	11+50	50 ANG FRAGS 50 ORGANICS		NE				✓				A	30		✓	✓		BLACK	
149	1280	12+00	60 SAND 10 SILT 20 ANG FRAGS 10 ORGANICS		NE				✓				A	20		✓	✓		BLACK	
150	1280	12+50	40 SAND 10 SILT 50 ANGULAR FRAGS		NE				✓				A	35	✓		✓		DR	
151	1280	13+00	60 SAND 10 SILT 20 ANG FRAGS 10 ROUNDED FRAGS		NE				✓				A	30	✓		✓		DR	

AXE  
GJ

SET OUT TO FINISH CURT'S LINE  
AUGUST 3 1990 USING SAME NUMBER  
CARRY ON FROM 126

# KEEWATIN ENGINEERING INC.

## SOIL SAMPLES

Project: #181 Dryden

Results Plotted By: T.S.

Area (Grid): \_\_\_\_\_

Map: \_\_\_\_\_ N.T.S.: \_\_\_\_\_

Collectors: Trevor Shephard

Date: August 1990

Sample Number	Sample Location		Notes A angular SA sub angular SR sub rounded R. rounded.	Topography			Vegetation					Soil Data						
	Elev. meters	Station		Valley Bottom	Direction of slope	Hill Top	Level Ground	Heavily Wooded	Sparsely Wooded	Burnt	Logged	Grassland	Swampy	Horizon Sampled	Depth to Horizon Sample Cm	Horizon Development	Parent	Material
													Good	Poor	Drift	Bedrock	Colour	
9001815-001																		
001	1725	0100	silt/sand/gravel 40/30/30 R.	E										5	tallus.	✓		grey
002	1720	0150	silt/sand/clay 30/20/50 R.	E										5	tallus.	✓		grey.
003	1720	1100	silt/sand/clay/gravel 50/20/20/10 SR.	E										15	tallus.	✓		grey
004	1720	2100	silt/sand/gravel 30/20/50 A	E										30	tallus.		✓	MB
005	1720	3100	rocky organic. silt 30% A	20°							✓	A	35		✓		✓	black
006	1735	4100	rocky soil. org 20% A	20°							✓	B	35		✓		✓	MB
007	1740	5100	silt/clay/frag 40/30/30 SA.	20°							✓		25	tallus.			✓	black.
008	1735	6100	org/frag/silt/clay 20/10/50/20	N							✓	B	35	✓			✓	MB
009	1720	7100	80% silt 20% sand/frag A.	E.							✓		5	tallus.			✓	MB
010	1730	8100	rocky org soil. 30% org 30% frag A	320							✓	B	35		✓		✓	black
011	1725	9100	sandy silt. A.	N							✓	B	30	✓			✓	MRB
012	1725	10100	sandy clay. 50% silt. A.	N.							✓	B	30	✓			✓	MB
no	missing	numbers.	New line on south-west. Axe.															
020	1240	0100	silt/org/frag 70/10/20 A				✓	✓				B	20	✓			✓	LB.
021	1240	0150	silt/sand/frag 70/20/10 SA	SW				✓				B	25	✓				MRB
022	1240	1100	silt/sand/frag 70/20/10 SA	SW				✓				B	30	✓				MRB
023	1250	1150	silt/sand/frag 50/10/40 A	SW				✓				B	35	✓				MRB
024	1260	2100	silt/org/frag 30/20/50 A	SW				✓				B	40		✓			LB
025	1260	2150	silt/sand/frag 70/20/10 SA	W				✓				B	25	✓				MRB
026	1250	3100	silt/sand/frag 60/20/20 A	SW				✓				B	20	✓				MB
027	1250	3150	silt/sand/frag 60/20/20 A	SW				✓				B	30	✓				MRB
028	1250	4100	silt/sand/frag 40/20/40 A	SW				✓				B	30	✓				MRB
029	1250	4150	silt/sand/frag 60/20/20 A	SW				✓				B	30	✓				MRB
030	1255	5100	silt/org/frag 30/20/50 A	SW				✓				B	35		✓			MB
031	1270	5150	silt/sand/frag 70/20/10 SA				✓				✓	B	10	✓				MRB
032	1275	6100	silt/sand/frag 70/20/10 A	SW							✓	B	25	✓				MRB
033	1270	6150	silt/sand/frag 60/20/20 A	SW							✓	B	20	✓				MRB
034	1265	7100	silt/sand 80/20 SA				✓				✓	B	25	✓				MB
035	1260	7150	silt/sand/frag 70/20/10	W							✓	B	20	✓			✓	MB.

AXE GJ

# KEEWATIN ENGINEERING INC.

## SOIL SAMPLES

Project: Dry den #181

Results Plotted By: T.S.

Area (Grid): \_\_\_\_\_

Map: \_\_\_\_\_ N.T.S.:

Collectors: Trevor Shephard

Date: August 1990

Sample Number	Sample Location		Notes A angular SA Sub angular SR sub rounded R rounded	Topography			Vegetation					Soil Data							
	Elev metres	Station		Valley Bottom	Direction of slope	Hill Top	Level Ground	Heavily Wooded	Sparsely Wooded	Burnt	Logged	Grassland	Swampy	Horizon Sampled	Depth to Horizon Sample (cm)	Horizon Good	Horizon Poor	Parent	Material
90V181S 036	1260	8+00	silt/clay/frag. 20/50/30				✓		✓				B	30	✓				Grey
037	1255	8+50	silt/sand/frag. 50/30/20		W				✓				B	35	✓				Grey
038	1260	9+00	silt/sand 90/10		W				✓				B	30	✓				MB
039	1260	9+50	silt/sand/frag. 80/10/10 SR		W				✓				B	35	✓				MRA
040	1260	10+00	silt/sand/clay 60/20/20		W				✓				B	30	✓				MRA
041	1260	10+50	silt/sand/frag. 70/20/10 SA		W				✓				B	20	✓				MRA
042	1260	11+00	silt/sand/frag/clay 40/20/20/20 SA		W				✓				B	30	✓				MB
043	1260	11+50	silt/sand/clay/frag. 40/20/20/20 SA		SW				✓				B	20	✓				MB
044	1260	12+00	silt/sand/frag. 70/20/10 A		W				✓				B	25	✓				MRA
045	1255	12+50	silt/clay/frag/sand 30/30/30/10 SR		SW			✓					B	30	✓				Grey
046	1260	13+00	silt/sand/frag. 70/20/10 A		SW				✓				B	25	✓				MRA
047	1260	13+50	silt/sand/frag. 20/20/10 A		W				✓				B	25	✓				MRA
048	1260	14+00	silt/sand/frag. 70/20/10 SA		SW				✓				B	25	✓				MRA
049	1255	14+50	silt/clay/frag. 50/30/20 A		SW				✓				B	20	✓				LR
050	1260	15+00	silt/clay/frag. 60/20/20 A						✓				B	25	✓				MB
051	1250	15+50	silt/sand/frag. 70/20/10 A						✓				B	30	✓				MRA
052	1255	16+00	silt/clay 50/50						✓				B	30	✓			✓	DB

AXE G.J.

# KEEWATIN ENGINEERING INC.

## SOIL SAMPLES

Project: DRYDEN  
 Area (Grid): 181 1280 contour  
 Collectors: C.K.

Results Plotted By: C.K.  
 Map: 1:10000 N.T.S.: \_\_\_\_\_  
 Date: 25/8/90

Sample Number	Sample Location		Topography							Vegetation					Soil Data				
	Line	Station	Valley Bottom	Direction of slope	Hill Top	Level Ground	Heavily Wooded	Sparsely Wooded	Burnt	Logged	Grassland	Swampy	Horizon Sampled	Depth to Horizon Sample	Horizon Development		Parent	Material	Colour
															Good	Poor			
90 Y 181 S 050A	1280												B	30	✓		✓		LB
	51												B	30	✓		✓		LB
	52												B	30	✓		✓		LB
	53												B	30	✓		✓		LB
	54												B	40	✓		✓		RB
	55												B	30	✓		✓		DB
	56												A	40	✓		✓		B1
	57												B	30	✓		✓		RB
	58								✓	✓			B	30		✓		✓	DB
	59								✓	✓			B	30	✓		✓		RB
90 Y 181 S 060									✓	✓			B	30	✓		✓		RB
	61								✓	✓			B	30	✓		✓		DB
	62								✓	✓			B	30	✓		✓		RB
	63								✓	✓			A	40		✓		✓	B1
	64								✓	✓			B	30	✓		✓		DB
	65								✓	✓			B	30	✓		✓		RB
	66								✓	✓			B	40	✓		✓		RB
	67								✓	✓			B	30	✓		✓		RB
	68								✓	✓			A	40		✓		✓	B1
	69								✓	✓			B	30	✓		✓		LB
90 Y 181 S 070									✓	✓			B	30	✓		✓		LB
	71								✓	✓			B	30	✓		✓		LB
	72								✓	✓			B	30	✓		✓		LB
	73								✓	✓			B	30	✓		✓		LB
	74								✓	✓			B	30	✓		✓		LB
	75								✓	✓			A	40	✓		✓		DB
90 Y 181 S 076	1280								✓	✓			B	30	✓		✓		LB
									✓	✓			B	40	✓		✓		LB

2 sample  
 90 Y 181 S 050  
 this one  
 shipped  
 18/8/90  
 Notes





**APPENDIX F**

**Statement of Qualifications**

**STATEMENT OF QUALIFICATIONS**

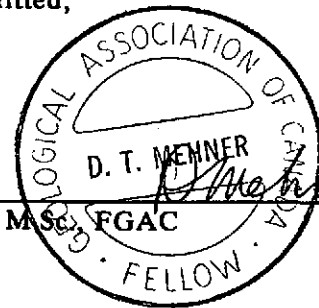
I, DAVID T. MEHNER, of 333 Scenic Drive, in the Municipality of Coldstream, in the Province of British Columbia, do hereby certify that:

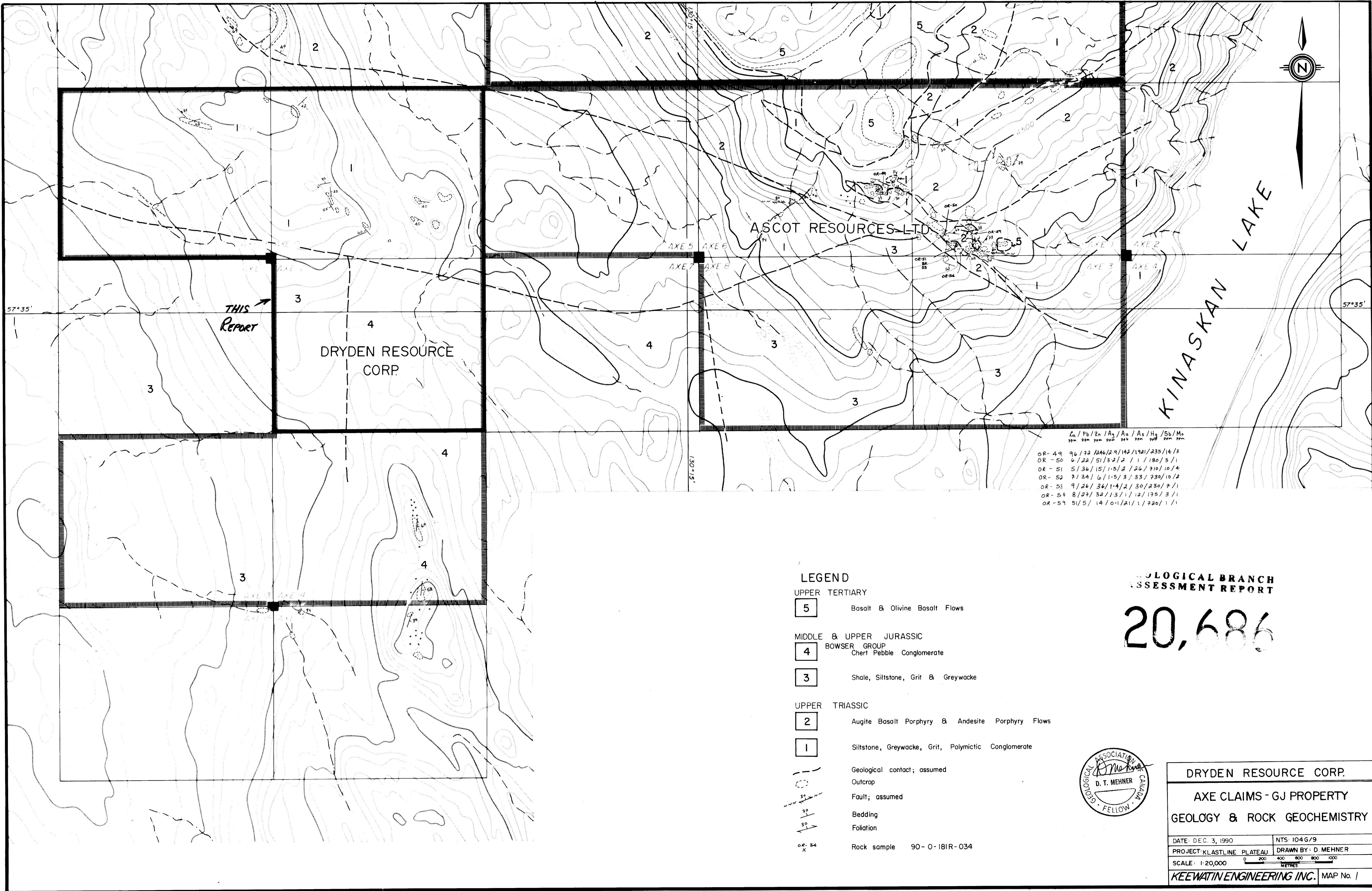
1. I am a Consulting Geologist with Keewatin Engineering Inc., with offices at 800 - 900 West Hastings Street, Vancouver, B.C. V6C 1E5.
2. I am a graduate of the University of Manitoba, B.Sc. Honours, 1976, M.Sc. Geology, 1982.
3. I have practised my profession continuously since 1979.
4. I am a Fellow of the Geological Association of Canada.
5. During the period of June to October, 1990, I managed and carried out the exploration program on the Axe claims near Kinaskan Lake on behalf of Dryden Resource Corporation.
6. I do not own or expect to receive any interest (direct, indirect or contingent) in the properties described herein, nor in the securities of Dryden Resource Corporation in respect of services rendered in the preparation of this report.

Dated at Vancouver, British Columbia, this 14th day of December, A.D. 1990.

Respectfully submitted,

\_\_\_\_\_  
David T. Mehner, M.Sc., FGAC





	Lu	Pb	Zn	Ag	As	Hg	Sb	Mn
	ppm	ppm	ppm	ppb	ppm	ppb	ppm	ppm
OR-49	96/72	246/29	142/192	235/14/3				
OR-50	6/22	51/32	2/1	180/3/1				
OR-51	5/36	15/1-5	2/26	710/10/4				
OR-52	7/34	6/1-5	3/33	730/10/2				
OR-53	9/26	36/1-4	2/30	230/7/1				
OR-54	8/27	32/1-3	1/12	195/3/1				
OR-59	5/5	14/0-1	2/1	720/1/1				

**LEGEND**

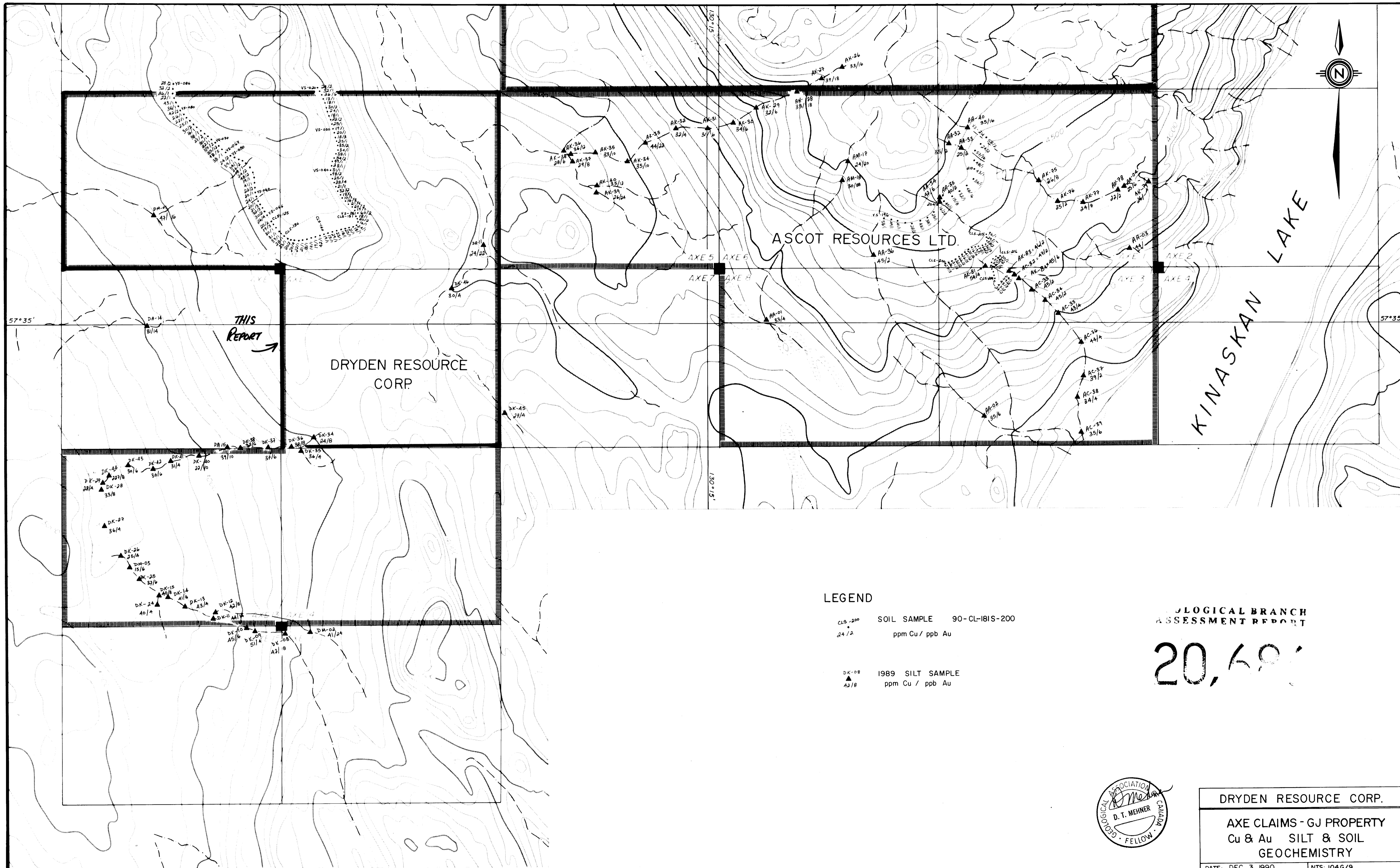
- UPPER TERTIARY
  - 5 Basalt & Olivine Basalt Flows
- MIDDLE & UPPER JURASSIC
  - 4 BOWSER GROUP  
Chert Pebble Conglomerate
  - 3 Shale, Siltstone, Grit & Greywacke
- UPPER TRIASSIC
  - 2 Augite Basalt Porphyry & Andesite Porphyry Flows
  - 1 Siltstone, Greywacke, Grit, Polymictic Conglomerate
- Geological contact; assumed
- Outcrop
- Fault; assumed
- Bedding
- Foliation
- Rock sample 90-0-181R-034

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**20,686**



<b>DRYDEN RESOURCE CORP.</b>	
<b>AXE CLAIMS - GJ PROPERTY</b>	
<b>GEOLOGY &amp; ROCK GEOCHEMISTRY</b>	
DATE: DEC. 3, 1990	NTS 104G/9
PROJECT: KLASTINE PLATEAU	DRAWN BY: D. MEHNER
SCALE: 1:20,000	METRES
<b>KEEWATIN ENGINEERING INC.</b> MAP No. 1	



THIS  
Report →

ASCOT RESOURCES LTD.

DRYDEN RESOURCE  
CORP.

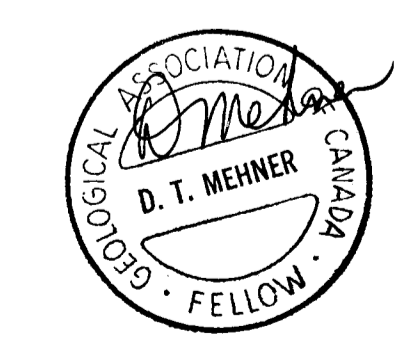
KINASKAN LAKE

LEGEND

- CLB-200 SOIL SAMPLE 90-CL-IBIS-200
- 24/2 ppm Cu / ppb Au
  
- DK-08 1989 SILT SAMPLE
- 42/8 ppm Cu / ppb Au

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

20,680

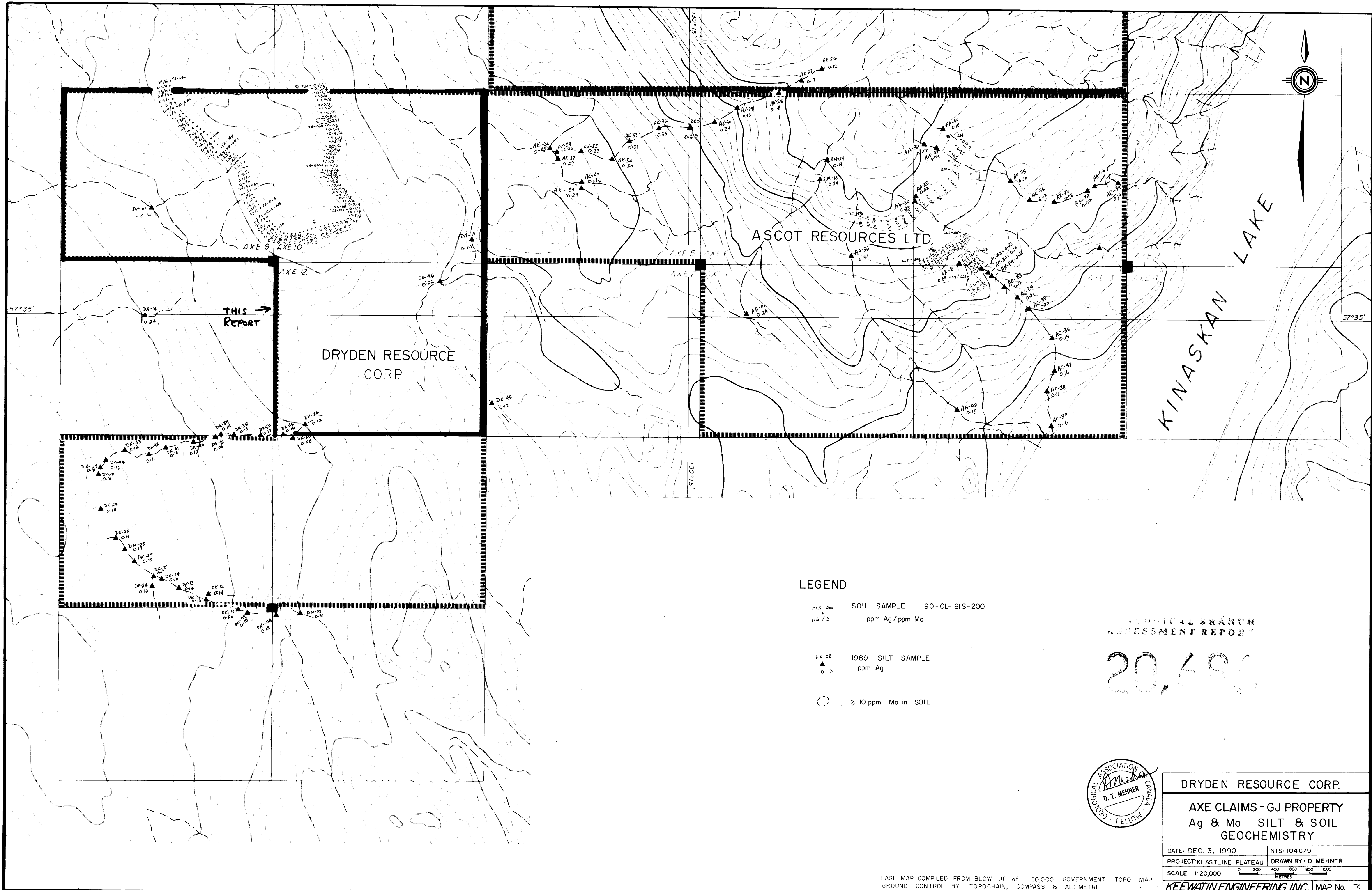


DRYDEN RESOURCE CORP.  
AXE CLAIMS - GJ PROPERTY  
Cu & Au SILT & SOIL  
GEOCHEMISTRY

DATE: DEC. 3, 1990	NTS: 1046/9
PROJECT: KLASTLINE PLATEAU	DRAWN BY: D. MEHNER
SCALE: 1:20,000	0 200 400 600 800 1000 METRES

BASE MAP COMPILED FROM BLOW UP of 1:50,000 GOVERNMENT TOPO MAP  
GROUND CONTROL BY TOPOCHAIN, COMPASS & ALTIMETRE

KEEWATIN ENGINEERING INC. MAP No. 2



THIS REPORT →

DRYDEN RESOURCE CORP

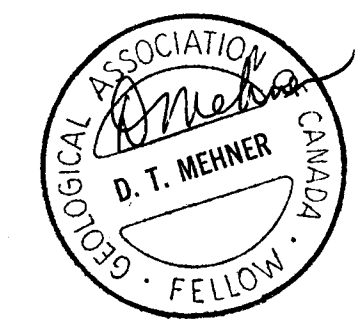
ASCOT RESOURCES LTD

KINASKAN LAKE

LEGEND

- CL5-200 SOIL SAMPLE 90-CL-IBIS-200  
1.6/3 ppm Ag / ppm Mo
- DK-08 1989 SILT SAMPLE  
▲ 0.15 ppm Ag
- ≥ 10 ppm Mo in SOIL

MINERAL BRANCH  
ASSESSMENT REPORT  
20,686



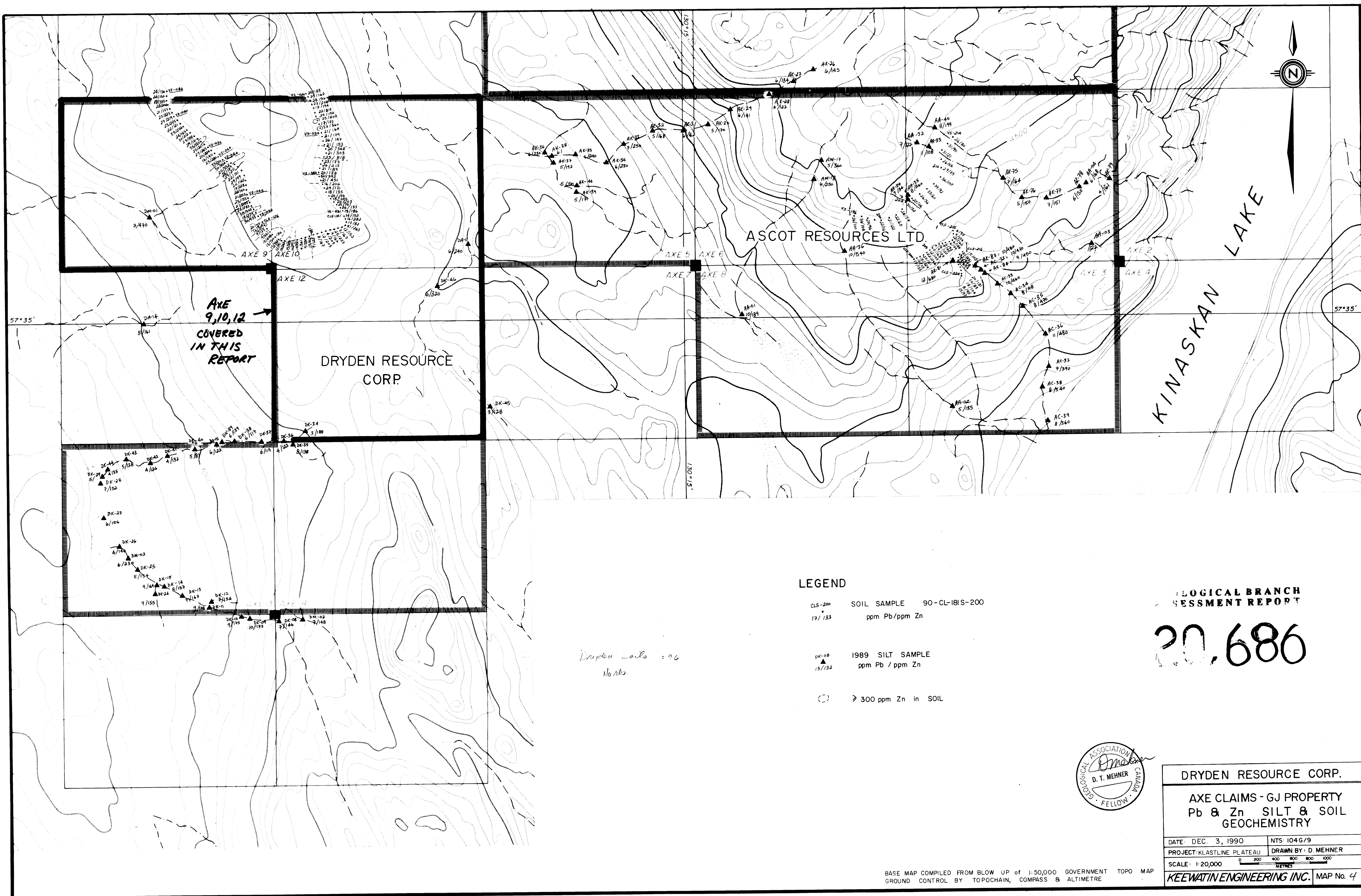
DRYDEN RESOURCE CORP.  
AXE CLAIMS - GJ PROPERTY  
Ag & Mo SILT & SOIL  
GEOCHEMISTRY

DATE: DEC. 3, 1990 NTS: 1046/9  
PROJECT: KLASTLINE PLATEAU DRAWN BY: D. MEHNER

SCALE: 1:20,000 METRES

BASE MAP COMPILED FROM BLOW UP of 1:50,000 GOVERNMENT TOPO MAP  
GROUND CONTROL BY TOPOCHAIN, COMPASS & ALTIMETRE

KEEWATIN ENGINEERING INC. MAP No. 3



**AXE 9, 10, 12  
COVERED  
IN THIS  
REPORT**

**DRYDEN RESOURCE  
CORP.**

**ASCOT RESOURCES LTD**

**KINASKAN LAKE**

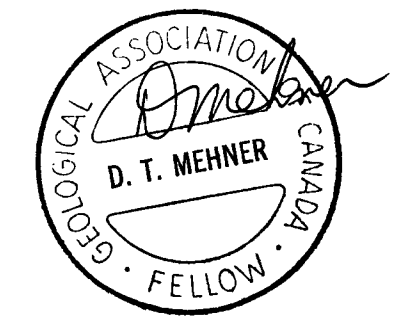
**LEGEND**

- CLS-200 SOIL SAMPLE 90-CL-181S-200  
 12/133 ppm Pb/ppm Zn
- DK-08 1989 SILT SAMPLE  
 13/132 ppm Pb / ppm Zn
- ≥ 300 ppm Zn in SOIL

*Dryden Soils = 96  
No. rts.*

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**20,686**

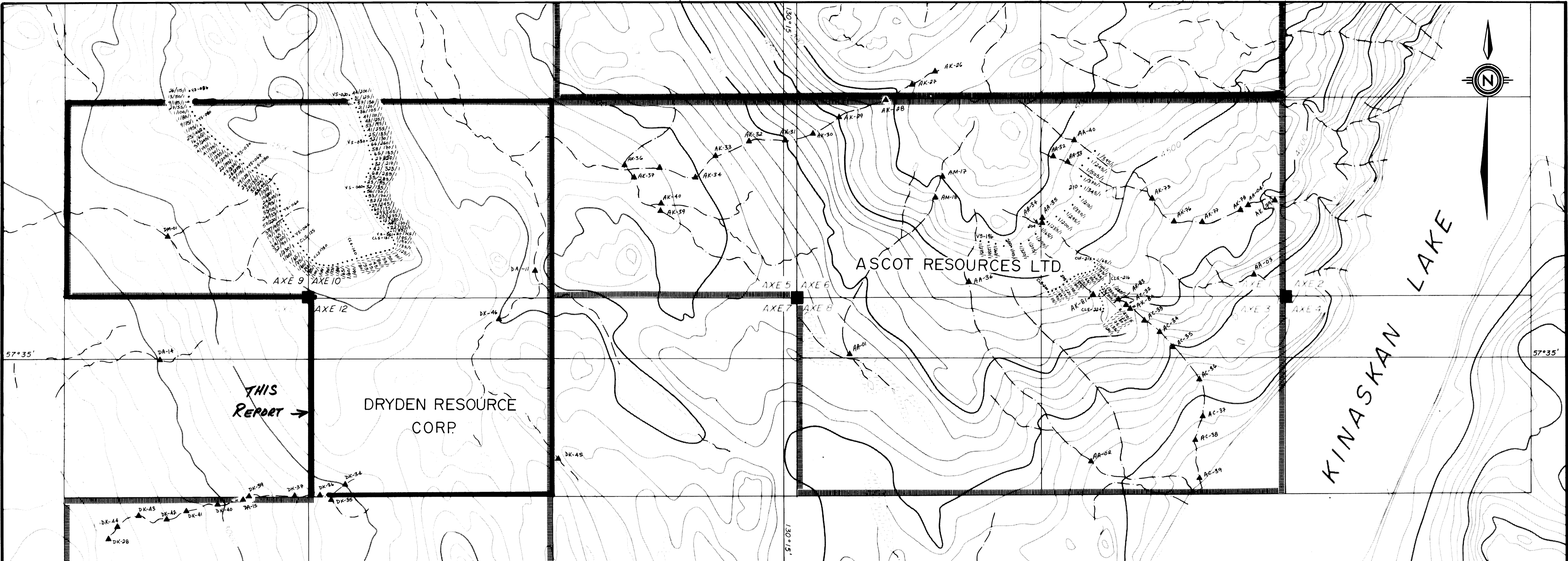


**DRYDEN RESOURCE CORP.**

**AXE CLAIMS - GJ PROPERTY  
Pb & Zn SILT & SOIL  
GEOCHEMISTRY**

DATE: DEC. 3, 1990	NTS: 1046/9
PROJECT: KLASTLINE PLATEAU	DRAWN BY: D. MEHNER
SCALE: 1:20,000	0 200 400 600 800 1000 METRES
<b>KEEWATIN ENGINEERING INC.</b> MAP No. 4	

BASE MAP COMPILED FROM BLOW UP of 1:50,000 GOVERNMENT TOPO MAP  
GROUND CONTROL BY TOPOCHAIN, COMPASS & ALTIMETRE



THIS REPORT →

DRYDEN RESOURCE CORP.

ASCOT RESOURCES LTD.

KINASKAN LAKE

GEOLOGICAL BRANCH ASSESSMENT REPORT

20,686

LEGEND

- CL5-200 SOIL SAMPLE 90-CL-1815-200
- 1/75/1 ppm As / ppb Hg / ppm Sb
- DK-08 1989 SILT SAMPLE



DRYDEN RESOURCE CORP.  
 AXE CLAIMS - GJ PROPERTY  
 As-Hg-Sb SILT & SOIL  
 GEOCHEMISTRY

DATE: DEC. 3, 1990 NTS: 1046/9  
 PROJECT: KLASTLINE PLATEAU DRAWN BY: D. MEHNER

SCALE: 1:20,000 METRES

BASE MAP COMPILED FROM BLOW UP of 1:50,000 GOVERNMENT TOPO MAP  
 GROUND CONTROL BY TOPOCHAIN, COMPASS & ALTIMETRE

KEEWATIN ENGINEERING INC. MAP No. 5