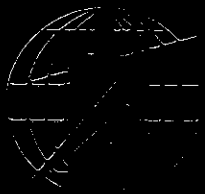


**PROSPECTING REPORT FOR
THE MGM 8 MINERAL CLAIM**



NECK EXPLORATIONS DIVISION

21503

**PROSPECTING REPORT FOR
THE MGM 8 MINERAL CLAIM**

Golden Mining Division

NTS 83D/1

Lat: 52°02' Long: 118°14'

**Owner: Teck Corporation
(Operator)**

**Author: G. Thomson
Date Submitted: August 12, 1991**

LOG NO: AUG 20 1991	RD.
ACTION:	
FILE NO:	Page

TABLE OF CONTENTS

A. Introduction

1. Access 1

2. Location and Physiography 1

3. History 2

4. Claim Status 2

B. Geology

1. Regional 2

2. Property 3

C. Work Done 3

D. Results 3

E. Cost Statement 4

F. Authors Qualifications 5

G. Appendix

1. Soil Sample Geochemical Certificate

FIGURES

(following page)

1. Index Map 1

2. Claim Map 2

3. Geology Map (with soil sample locations) 3

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

21,593

INTRODUCTION

On May 13, 1991 a one day field examination of the MGM 8 Mineral Claim was made by three personnel employed by Teck Corporation Ltd.

The MGM 8 Claim is part of a larger group of claims optioned from John M. Leask - White Knight Resources Ltd. under the terms of an agreement signed on April 12, 1991.

The MGM and TSAR claim groups surround a "SEDEX" style mineral prospect known as the Bend lead-zinc Showing, currently owned and under exploration by Cominco Ltd.

1. Access

The claim area may be reached by several modes. Large freight must be brought in by a barge service out of Bush Harbour, located approximately 50km southeast of the claim area. This is usually a 4 hour one-way trip. Alternately, the area can be reached via helicopter services out of Golden or Revelstoke. A float plane service from Golden is also available. Flying time from Golden or Revelstoke is approximately one hour.

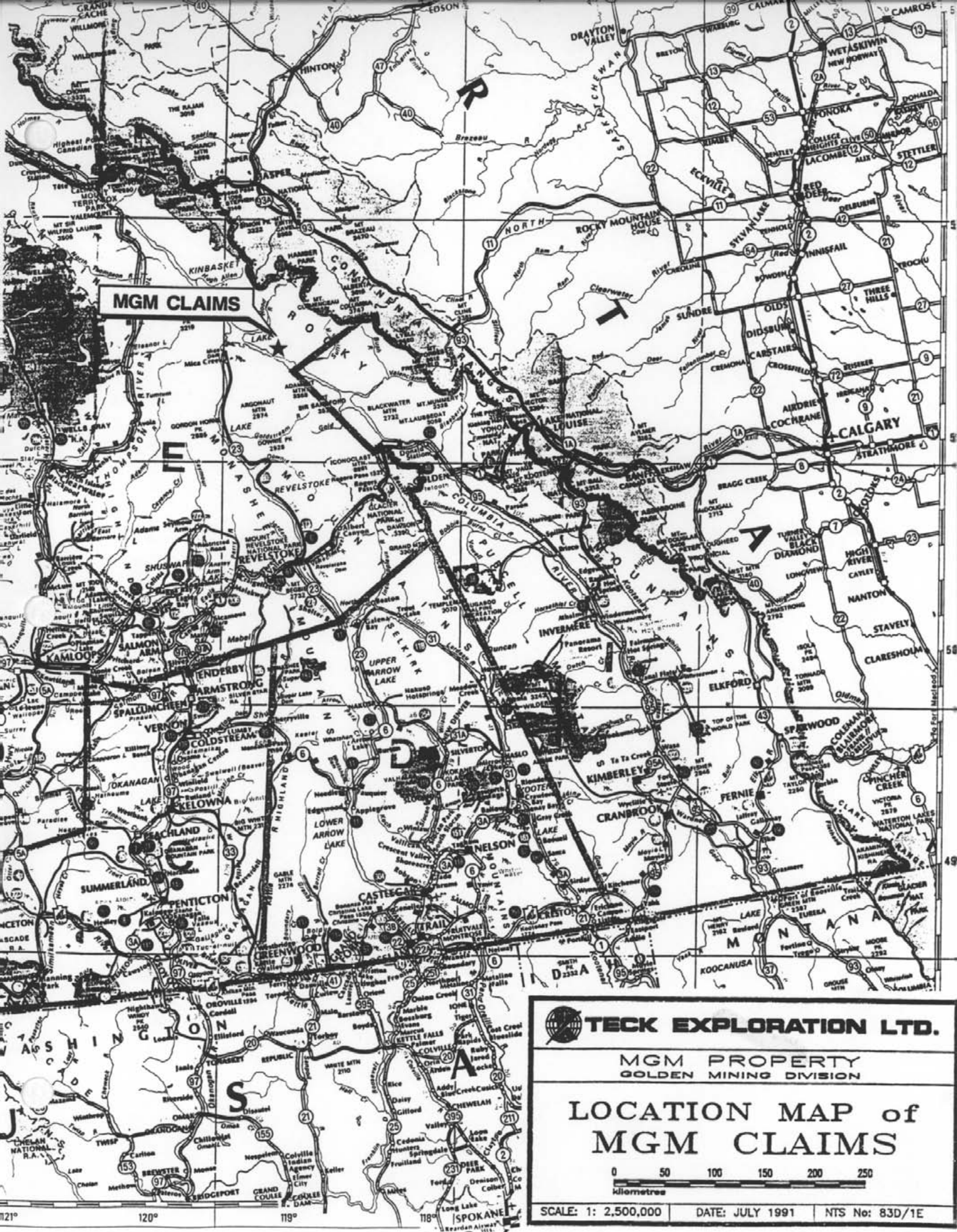
2. Location and Physiography

The claim area lies on the east side of the Rocky Mountain Trench approximately 100km northwest of Golden, B.C. The MGM 8 Claim is a 6 unit claim located near the confluence of Cummins Arm and Columbia Reach. Only a portion of the claim (N.E. corner) occurs above the 2500' waterline and for the most part is covered by thick alluvial cover.

Climatologically the property lies within the Interior Wet Belt where precipitation exceeds 40 inches per year. Vegetation is thick and lush at lower elevations where devil's club constitutes a large portion of the underbrush. Common evergreens are cedar, douglas fir and hemlock at lower elevations giving way to lodgepole pine and balsam fir above 4500 feet.

Treeline is approximately 6,000 feet.

Winters in the area are usually long and severe with snowfall often exceeding 30 feet.



MGM CLAIMS

TECK EXPLORATION LTD.

MGM PROPERTY
GOLDEN MINING DIVISION

**LOCATION MAP of
MGM CLAIMS**

0 50 100 150 200 250
kilometres

SCALE: 1: 2,500,000 DATE: JULY 1991 NTS No: 83D/1E

3. History

Mineralization was first discovered in the Cummins River Canyon in the late 1940's. In 1966, Cominco staked 45 units and tested the grade of the Canyon zone with eight short holes and the MGM with five short holes. Cominco still retains twelve claims straddling the Canyon.

Cominco geologists considered the occurrence to be of "fissure vein" type and considered it to have small tonnage potential.

In August 1979, Leask and Associates carried out a preliminary reconnaissance of the McNaughton Lake area and staked the MGM claim group on the strength of evidence which indicated that in fact the occurrence was of the shale-hosted type.

4. Claim status

The MGM 8 claim as described below was optioned from John M. Leask under the terms of an agreement signed April 12, 1991.

Claim	Record No.	Units	Record Date	Expiry Date
MGM 8	2156	6	May 27, 1990	May 27, 1991

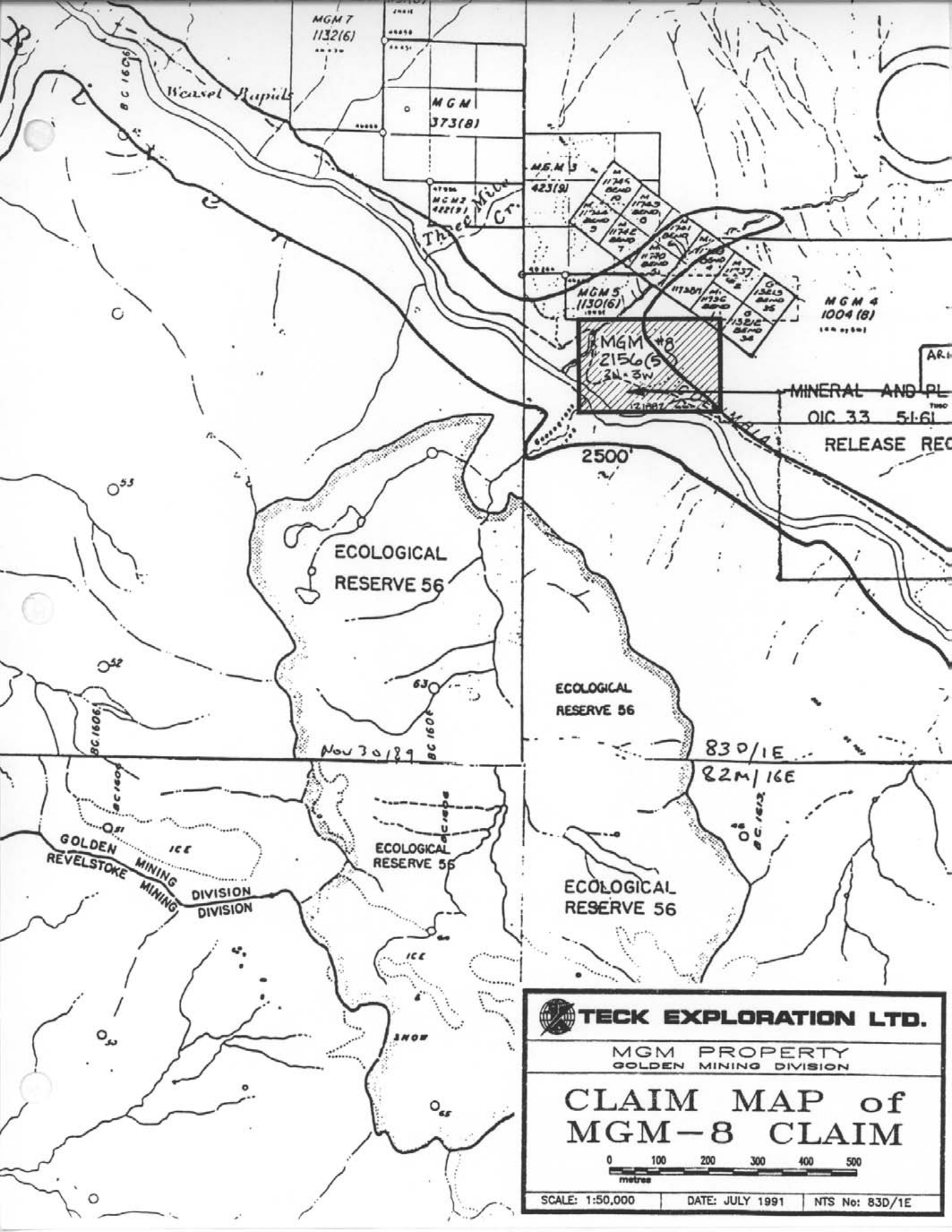
GEOLOGY

1. Regional Geology

The MGM property overlies a Mid-to Lower Cambrian age sequence of metamorphosed clastic sediments.

The Cambrian section is represented by three lithological elements: the Mid to Upper Cambrian Kinbasket Limestone, the Mid to Lower Cambrian Tsar Creek Argillites, and the Lower Cambrian Sullivan Quartzites. All lithologies have been metamorphosed to middle and upper greenschist assemblages. Under these conditions, the Kinbasket Limestone appears as a buff weathering, biotitic and locally garnet-rich unit. Dark to reddish grey mica schists characterize the Tsar Creek metapelites. Quartz mica schists, garnetiferous quartzites, pale pink grits and quartz wackes remain as the vestiges of the metamorphosed Sullivan Quartzite.

Regional structure in the area is dominated by the presence of the Columbia River -



MGM 7
1132(6)

MGM
373(8)

MGM 2
422(9)

MGM 3
423(9)

MGM 5
1130(6)

MGM 4
1004(8)

MGM #8
2156(5)
3N-3W
121007

ECOLOGICAL
RESERVE 56

ECOLOGICAL
RESERVE 56

ECOLOGICAL
RESERVE 56

ECOLOGICAL
RESERVE 56

Nov 30/89

83D/1E

82M/16E

GOLDEN MINING DIVISION
REVELSTOKE MINING DIVISION



TECK EXPLORATION LTD.

MGM PROPERTY
GOLDEN MINING DIVISION

**CLAIM MAP of
MGM-8 CLAIM**



SCALE: 1:50,000

DATE: JULY 1991

NTS No: 83D/1E

Purcell Fault systems. Within the Cummins River area, at the Purcell Thrust juxtaposes Hadrynian Windermere Group lithologies against Cambrian sequences east of the Rocky Mountain Trench.

2. Property Geology (MGM 8)

The property was devoid of rock outcrop except along the south wall of Cummins Arm and immediately north of the MGM 8 Claim boundary. Lithologies present were pelitic schists and minor quartz feldspathic psammities possibly belonging to the Upper Proterozoic Age Windermere Supergroup. These rocks are interpreted to be emplaced by means of a thrust fault onto micaceous and locally garnetiferous micritic limestones of the Middle Cambrian Age Kinbasket Formation. These buff to rusty weathering limestones make up the major proportion of float boulders observed throughout logging cuts on the MGM 8 claim.

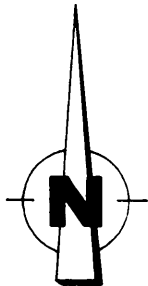
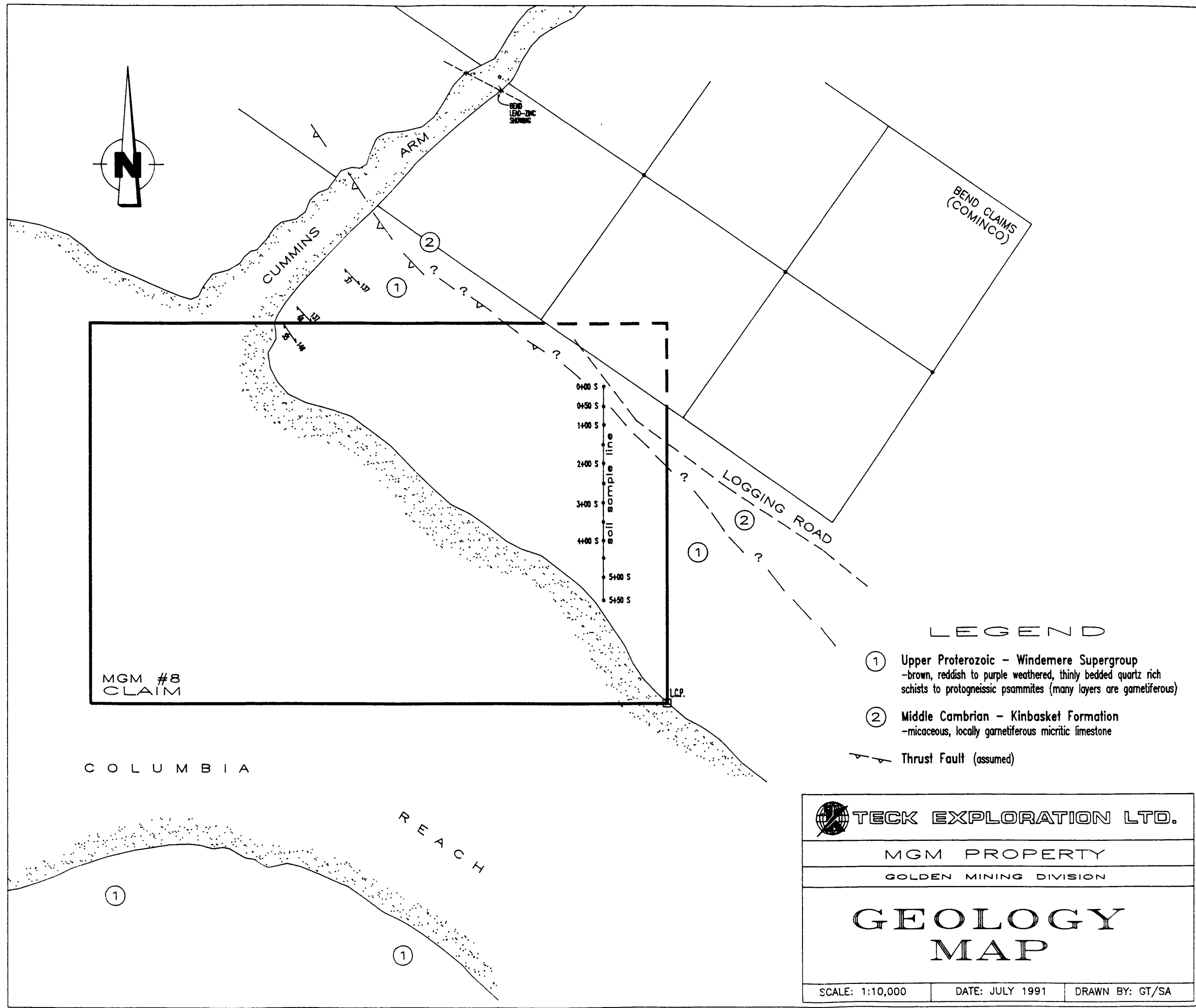
It is assumed that Kinbasket limestones underlie a portion of the MGM 8 claim, however, this is difficult to substantiate as much of the claim lies below the 2500' water level of the Mica Dam reservoir.

WORK DONE

General prospecting was carried out through the logging cut which occurs at the northeast corner of the MGM 8 claim. A north-south line of soil sampling was carried out from a logging road to lake level to test the background geochemical signature of soils on the claim area.

RESULTS

No rock outcrop or mineralization were observed on the MGM 8 mineral claim. Of the twelve soil samples taken for analysis, no indication of prospective mineralization was detected.



MGM #8 CLAIM

C O L U M B I A

R E A C H

BEND CLAIMS (COMINCO)

CUMMINS ARM

LOGGING ROAD

L.C.P.

LEGEND

- ① Upper Proterozoic - Windemere Supergroup
-brown, reddish to purple weathered, thinly bedded quartz rich schists to protogneissic psammites (many layers are garnetiferous)
- ② Middle Cambrian - Kinbasket Formation
-micaceous, locally garnetiferous micritic limestone
- Thrust Fault (assumed)

TECK EXPLORATION LTD.

MGM PROPERTY
GOLDEN MINING DIVISION

**GEOLOGY
MAP**

SCALE: 1:10,000 DATE: JULY 1991 DRAWN BY: GT/SA

COST STATEMENT

MGM 8 Mineral Claim

1. Wages (1 Day - May 13, 1991)		
Fred Daley (Exploration Mgr.)	\$ 300.00	
Greg Thomson (Geologist)	252.48	
Bing Lovang (Prospector)	<u>236.90</u>	
		\$ 789.38
2. Helicopter (Canadian Helicopters - Revelstoke)		
2.6 Hours		\$2,186.81
3. Soil Sampling Analyses (Eco-Tech Laboratories Ltd.)		
12 Samples @ \$6.16 (30 Element I.C.P.)		\$ 73.92
4. Report Preparation, Drafting		
2 Days @ \$252.45		<u>\$ 504.96</u>
	TOTAL	\$3,555.07

STATEMENT OF QUALIFICATIONS

I, Gregory R. Thomson, hereby certify that:

1. I am currently employed as a geologist by Teck Explorations Ltd. with offices at #960-175 Second Ave., Kamloops, B.C.
2. I graduated from the University of British Columbia in 1970 with a major in Geology.
3. I have worked continuously as a geologist in British Columbia.
4. The work described herein was done under my direct supervision.


Greg Thomson

APPENDIX I

Soil Sample Geochemical Certificate

ECO-TECH LABORATORIES LTD.

10041 EAST TRANS CANADA HWY.
KAMLOOPS, B.C. V2C 2J3
PHONE - 604-573-5700
FAX - 604-573-4557

MAY 23, 1991

VALUES IN PPM UNLESS OTHERWISE REPORTED

TECK EXPLORATIONS LTD.- ETK 91-285

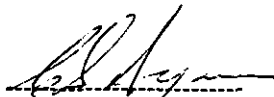
960, 175 SECOND AVENUE
KAMLOOPS, B.C.
V2C 5R1

ATTENTION: FRED DALEY

PROJECT NUMBER: 1703
12 SOIL SAMPLES RECEIVED MAY 22, 1991

STD	DESCRIPTION	AU(ppb)	AG AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	NH	MO	NA(%)	NI	P	PB	SH	SD	SR	TI(%)	U	V	W	Y	ZN
205 - 1	0 + 00 S	<5	<.2 3.17	5	8	60	<5	.50	<1	14	20	8	3.03	.00	20	.49	202	<1	<.01	21	660	20	<5	<20	23	.12	<10	21	<10	1	100
205 - 2	1 + 00 S	5	<.2 2.31	<5	8	65	<5	.15	<1	13	14	9	3.11	.04	20	.45	244	<1	<.01	20	930	20	<5	<20	7	.14	<10	24	<10	<1	89
205 - 3	2 + 00 S	<5	<.2 4.07	<5	8	45	<5	.30	<1	10	15	8	2.07	.04	20	.35	200	<1	<.01	16	1590	16	<5	<20	13	.13	<10	10	<10	1	72
205 - 4	3 + 00 S	5	<.2 3.50	<5	6	90	<5	.67	<1	13	22	10	2.79	.07	20	.50	547	1	.01	32	710	16	<5	<20	35	.11	<10	22	<10	1	92
205 - 5	4 + 00 S	<5	<.2 1.50	<5	8	60	<5	.23	<1	10	12	7	1.93	.06	10	.30	493	<1	<.01	17	790	12	<5	<20	10	.00	<10	22	<10	<1	96
205 - 6	5 + 00 S	<5	<.2 3.11	<5	8	50	<5	.19	<1	10	14	7	2.64	.04	20	.34	264	<1	<.01	16	1130	16	<5	<20	12	.14	<10	21	<10	1	70
205 - 7	5 + 30 S	<5	<.2 3.75	<5	8	70	<5	.26	<1	20	20	10	3.34	.07	20	.54	101	<1	.01	35	600	16	<5	<20	24	.13	<10	21	<10	<1	120
205 - 8	0 + 50 S	<5	<.2 3.44	<5	10	55	<5	.00	<1	11	12	6	3.11	.03	20	.20	196	1	<.01	13	1260	10	<5	<20	7	.19	<10	20	<10	1	77
205 - 9	1 + 50 S	<5	<.2 3.22	<5	8	110	<5	.10	<1	14	21	12	3.27	.06	20	.49	203	1	<.01	25	1070	16	<5	<20	10	.12	<10	29	<10	<1	115
205 - 10	2 + 50 S	<5	<.2 5.29	<5	10	50	<5	.37	<1	9	14	7	3.30	.03	30	.20	<1	<1	<.01	14	790	20	<5	<20	12	.19	<10	12	<10	7	55
205 - 11	3 + 50 S	<5	<.2 1.79	<5	10	80	<5	.13	<1	12	16	9	2.66	.05	20	.47	192	<1	.01	19	900	12	<5	<20	10	.00	<10	24	<10	<1	91
205 - 12	4 + 50 S	<5	<.2 2.40	<5	10	70	<5	.12	<1	12	13	7	2.62	.04	20	.20	137	<1	<.01	15	1110	14	<5	<20	9	.11	<10	24	<10	<1	87

NOTE: < = LESS THAN


ECO-TECH LABORATORIES LTD.
CLINTON AYRES
LABORATORY MANAGER

SC91/TECK1