

REPORT ON A
BOULDER MAPPING SURVEY
ON PLACER CLAIMS
TURNAGAIN RIVER AREA
BRITISH COLUMBIA
NTS 104 I 9 E
CLAIMS: PLM STAR PLACER CLAIMS
LIARD MINING DIVISION

BY JOHN W. KIELEY
METALLGESELLSCHAFT CANADA LIMITED

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- I STATEMENT OF QUALIFICATION
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LIST OF ILLUSTRATIONS

- 1. GENERAL LOCATION MAP after 2
Scale: appr. 1:2 400 000
Source: B.C. Ministry of Tourism
- 2. CLAIM MAP, Part of Sheet P 104 I/9E
Scale: 1:50 000 , copy of Aug.10,1978 after 2
- 3. SURVEY MAP in pocket
Scale: 1: 6 000

1. INTRODUCTION

On August 23, 24, 25, 26, 1978, Metallgesellschaft Canada Limited carried out a brief boulder mapping survey over nine paced and flagged lines totalling 7.75 km on PLM Star placer claims in the Turnagain River - Cassiar Creek area, Liard Mining Division.

Mapping consisted of visual inspection of surface boulder fields, their lateral extents, and average boulder sizes.

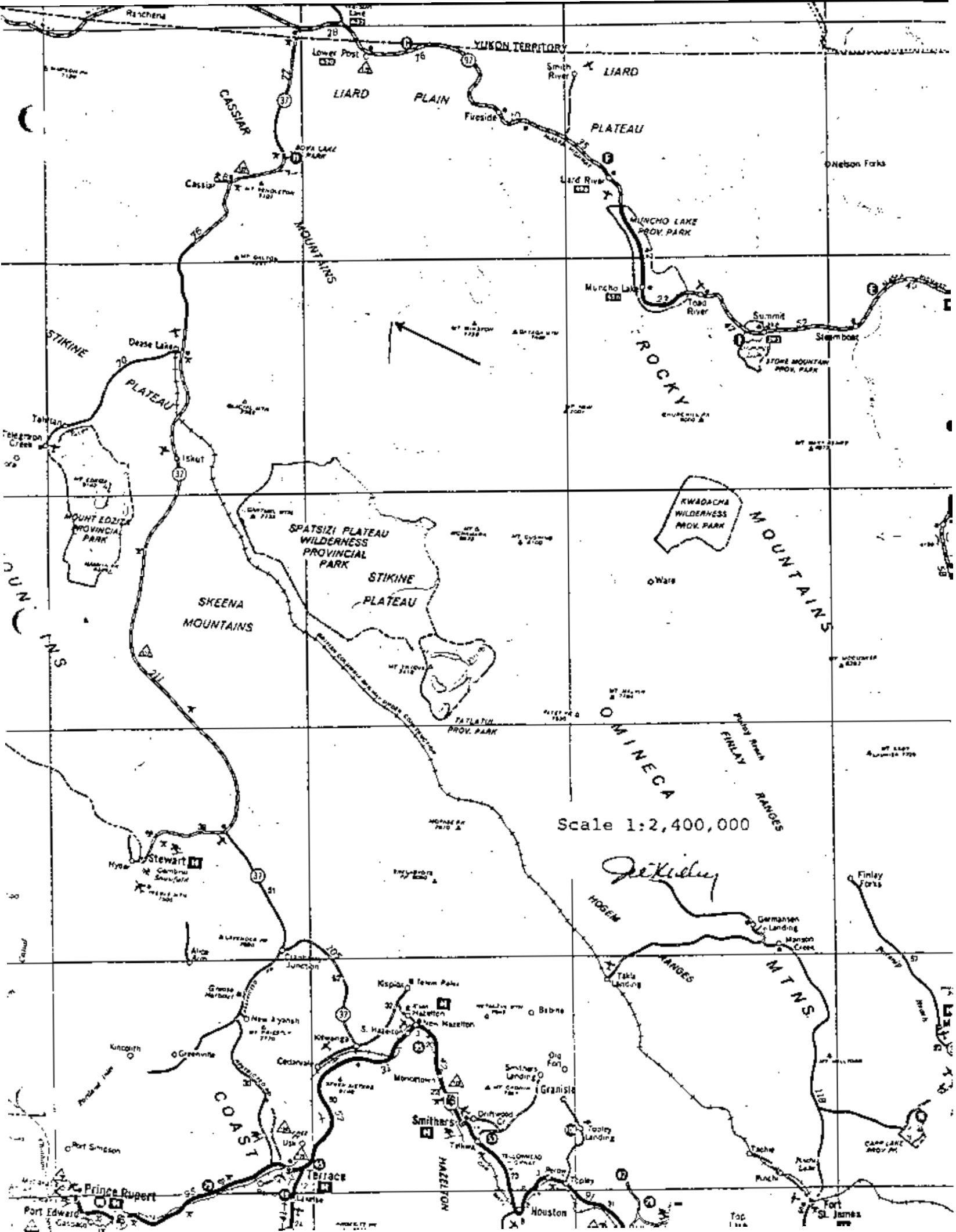
2. PROPERTY, LOCATION AND ACCESS

The property is located in the Liard Mining Division of British Columbia, and consists of the following placer mining leases:

<u>PLM Number</u>	<u>Record Number</u>
74	441933 M
75	441932 M
76	441931 M
77	441934 M
1045	441945 M

The claims are situated slightly north of the confluence of the Turnagain River and Cassiar Creek.

Access is obtained by means of float plane from Watson Lake, Y.T., to Bluesheep Lake, B.C., and thence by helicopter to any of several gravel bars along the Turnagain River.



YUKON TERRITORY

LIARD PLAIN

PLATEAU

ROCKY MOUNTAINS

FINLAY RANGES

OMINECA MOUNTAINS

HOSEM RANGES

FINLAY MOUNTAINS

CASSIAR

STIKINE PLATEAU

SKEENA MOUNTAINS

SPATSIZI PLATEAU WILDERNESS PROVINCIAL PARK

STIKINE PLATEAU

KWADACHA WILDERNESS PROV. PARK

Scale 1:2,400,000

J. H. Kelley

COAST RANGES

COAST RANGES

HAZELTON

Prince Rupert

Houston

Fort St. James

Top 1964

COAST RANGES

COAST RANGES

Port Edward & Gassaco

Nelson Forks

Finlay Forks

Cap Lake Prov. Pk.

ROYA LAKE PARK

MUNCHO LAKE PROV. PARK

STONE MOUNTAIN PROV. PARK

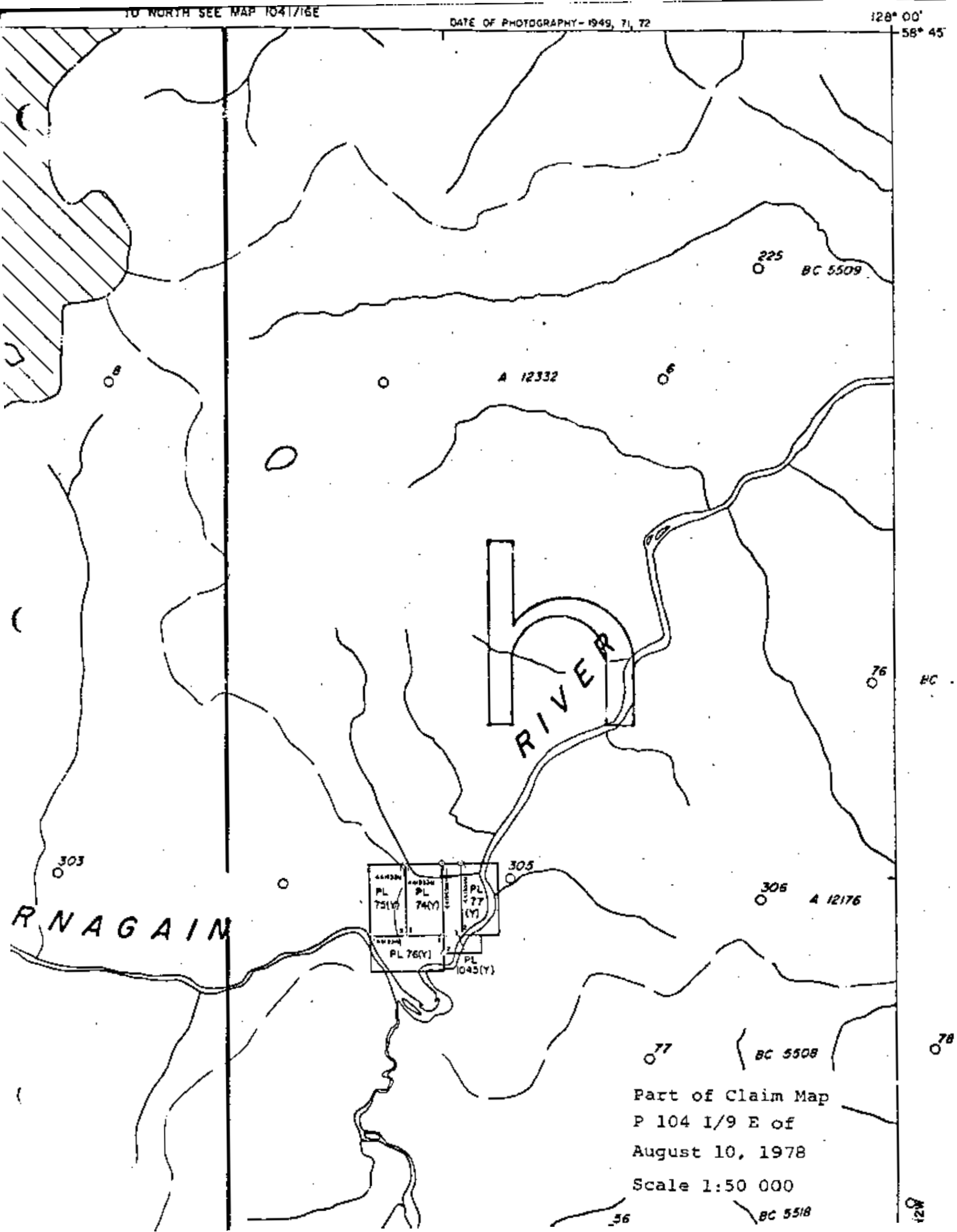
MOUNT EDZIZA PROVINCIAL PARK

SPATSIZI WILDERNESS PROV. PARK

TATLATUI PROV. PARK

Cap Lake Prov. Pk.

Port Edward & Gassaco



R NAGAIN

RIVER

PL 75(Y)	PL 74(Y)	PL 77(Y)
PL 76(Y)		PL 1045(Y)

Part of Claim Map
 P 104 1/9 E of
 August 10, 1978
 Scale 1:50 000

3. PREVIOUS WORK

The property has enjoyed several stages of activity including much trenching and pit sampling. Most recent work included a small refraction seismic survey, completed simultaneously with the boulder mapping.

4. PURPOSE

The purpose of the survey was to outline boulder concentrations of sufficiently large size (72 meter) and thickness (i.e. piled atop on another) to impede the effective usage of a hammer-driven, deep overburden sampling drill system of the Becker type.

5. GEOLOGY

No rock exposure can be observed on the property due to the deep overburden cover. Rock types GSC publications indicate the immediate area to be underlain by the Cassiar Batholith, being Jurassic/Cretaceous rocks including: biotite, quartz monzonite, granodiorite, commonly gneissic and mafic-rich near contacts with Devonian cherts, argillites, quartzites, etc.

6. SUMMARY AND CONCLUSION

Between August 23rd and 26th, 1978, Metallgesellschaft Canada Limited carried out a brief boulder mapping project to map the extent and concentration of several boulder strewn areas on the Star property of Mr. W. Kuhn of Vancouver.

The property is located in the Turnagain River area of British Columbia. The survey indicated the presence of several areas of highly concentrated boulder fields.

The writer recommends that any deep overburden sampling be confined to areas:

1. east of Line 200 W and to the river,
2. Line 500 W (100 N to 150 S) to Line 300 W (100 N to 100 S), where a generally flat and non-descript topography plus the presence of the sandy Grizzly pit could indicate a relatively boulder free terrain.

STATEMENT OF QUALIFICATION

I, John W. Kieley, with residence at 4237 West 16th Avenue, Vancouver, B.C., declare:

1. that I graduated from Cambrian College of Applied Arts and Technology, Sudbury (Ontario) with a diploma in geology in 1974.
2. that since graduation I have been employed as exploration technician in 7 provinces and both territories.
3. that at the time of surveys I was employed as exploration technician for Metallgesellschaft Canada Limited of 824-602 West Hastings Street, Vancouver, B.C.
4. that I have no interest whatsoever in the claims under consideration.
5. that I performed the surveys during the period August 23 to August 26, 1978, and collected data on which this report is based.


John W. Kieley

Vancouver, B.C.
September 25, 1978

STATEMENT OF COSTS

Salaries and wages

a) Senior geological technician

- field days	4 days
- travel time	6 days
- report writing & drafting	1 day

11 days @ \$ 75.00/day = \$ 825.00

b) Helper

- field days	4 days
- travel time	6 days

10 days @ \$ 50.00/day = \$ 500.00

c) Secretary

\$ 25.00

Other

Mileage 4,220 miles @ 20 ¢/mile \$ 844.00

Fixed Wing \$ 460.00

Rotary Wing \$ 2537.00

Supplies \$ 290.30

Total costs : \$ 5481.30

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F. W. Wellmer

Dr. F.-W. Wellmer
Exploration Manager - Western Canada
METALLGESELLSCHAFT CANADA LTD.

LEGEND

- CB CONCENTRATED BOULDERS, TOUCHING & OFTEN PILED SEVERAL DEEP
- SB SCATTERED BOULDERS, AVERAGE 3+4 METERS APART
- LSB LIGHTLY SCATTERED, " 5-9 " "
- VLSB VERY LIGHTLY SCATTERED, " 10 " "
- NB NO BOULDERS
- 30cm. PITS & DEPTH
- △ CLAIM POST

NO **6927**

METALLGESELLSCHAFT CANADA LTD.

PROJECT:

SCHEELITE PLACER

TURNAGAIN RIVER AREA
LIARD MINING DIVISION

DWG. NO. 1

SCALE: 1:6000

DRAWN BY:
J. KIELEY

N.T.S. 10419E

DATE: 08/78

UPDATED:

AUTHOR: JWK

