

886292

DEPT. OF MINES
AND PETROLEUM RESOURCES

Rec'd MAR 16 1979

SMITHERS, B. C.

Visited adjacent property
- Gold Dome
Aug. 5/79

See BCM 1945

REPORT

ON

TERRACE-BELL MINES LIMITED (N.P.L.)

PADDY-MAC GOLD GROUP

OMINECA MINING DIVISION

BRITISH COLUMBIA

BY

D.C. MALCOLM, P. Eng.,
Consultin Geologist

Vancouver, B.C.
January 15, 1974

#112

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SMITHERS, B. C.

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TERRACE-BELL MINES LIMITED (N.P.L.) SMITHERS, B. C.

PADDY-MAC GOLD GROUP

OMINECA MINING DIVISION

BRITISH COLUMBIA

SUMMARY

The Paddy-Mac Gold Group contains two gold and silver bearing quartz veins in the Terrace area of British Columbia. Surface values of the main vein average 2.26 oz. gold per ton and 4.2 oz. silver per ton. The second vein is narrower and lower grade.

Underground work is proposed to outline tonnage and grade by bulk sampling the main vein.

OWNERSHIP

James M. McLuity

LOCATION

Latitude: 54°46' North
Longitude: 128°23' West
Elevation: 3,800 to 5,300 Feet

The claims are reached by a 9 mile trail along Carpenter Creek from the C.N. Railway near Pacific. They are 20 minutes by helicopter from Terrace.

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CLAIMS

Thirteen located claims as follows:

- Paddy-Mac 1 to 10 inclusive
- Terrace-Bell 1 to 3 inclusive.

TOPOGRAPHY

The claims are along the south fork of Carpenter Creek between elevations of 3,800 to 5,300 feet west of the Skeena River Valley at elevations of 300 to 350 feet. Carpenter Creek is a typical mountain stream from an old glacial cirque. The claims are in the cirque with talus slides in the creek valley and rock bluffs above them.

The veins outcrop at the base of the bluffs and in the talus.

GENERAL GEOLOGY

The district is on the eastern part of the Coast Range Mountains with irregular granodiorite batholyths intruding Triassic sediments and Jurassic-Hazelton Group Volcanics.

Mineral deposits are numerous and many gold quartz veins with or without base metals have been explored. Some of these have produced rich gold ore.

CLAIM GEOLOGY

The claims are in Triassic argillites cut by granite and syenite dikes. These sediments are in a large embayment along the north contact of a Coast Range pluton.

Younger QFP dykes

The Paddy-Mac vein is in a north 70 degree west 100 foot wide breccia or shear zone which strikes across the north trending metamorphosed argillites and dips 40 to 50 degrees to the south west into the hill. Quartz, with variable amounts of chalcopyrite and arsenopyrite, occurs on both walls of the shear zone. Some galena and sphalerite have been seen and the sulphides contain gold and silver.

*Native gold in qtz veins
Powellite also (fluorescent yellow)*

DEVELOPMENT

The quartz veins and the breccia or shear zone follow along the base of bluffs above and partly in talus slopes. They are developed by two thirty foot long tunnels, one in each vein and by numerous test pits along the bluffs. The workings follow the veins intermittently over a length of 3,500 feet between elevations of 3,800 feet at the tunnels and 5,300 foot elevation to the northwest.

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The hanging wall vein was sampled and averaged 3.24 feet in width, 2.26 oz. gold and 4.2 oz. silver per ton.

The footwall vein averaged 2.23 feet in width, 0.03 oz. gold per ton and 3.6 oz. silver per ton.

CONCLUSION

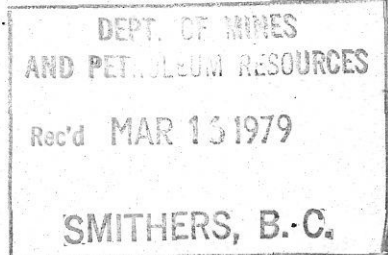
The Paddy-Mac hanging wall vein is a strong high grade gold quartz vein.

It should be developed by drifting with the quartz shipped to a smelter for bulk sampling and treatment and freight rates.

PROPOSAL

It is proposed to crosscut to the hanging wall vein and to drift and bulk sample this vein at elevation 3,800 feet.

Equipment can be ferried from the road in the Skeena Valley by helicopter for this test.



ESTIMATED COSTS

Tunnelling 200' @ \$100/Ft.	\$20,000.00
Transportation	5,000.00
Camp & Equipment	10,000.00
Surveying	2,000.00
Assessment Work	3,000.00
Sampling & Assaying	1,000.00
Supervision	3,000.00
Consulting & Geology	1,000.00
Contingencies	<u>5,000.00</u>
ESTIMATED TOTAL	<u>\$50,000.00</u>

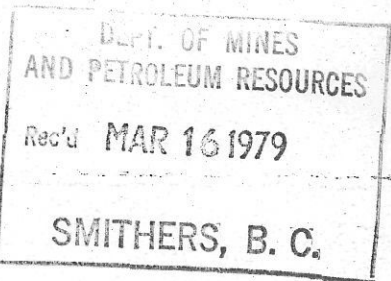
Report by

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 BRITISH COLUMBIA
 ENGINEER

Vancouver, B.C.
January 15, 1974

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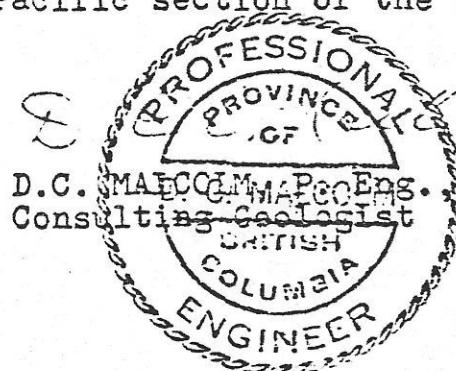
C E R T I F I C A T E



This is to certify that:

1. I, DOUGLAS COLE MALCOLM am a resident of Vancouver, B.C., and live at 2290 West 23rd Avenue.
2. I am a graduate of the University of British Columbia with the degree of Bachelor of Applied Science in Geological Engineering (1935).
3. I am a member of the Association of Professional Engineers of British Columbia and Ontario and have practised my profession continuously since graduation.
4. I have not, directly or indirectly, received or expect to receive any interest, direct or indirect, in the property of TERRACE-BELL MINES LIMITED (N.P.L.), or of any affiliate; or beneficially own, directly or indirectly, any securities of the company or of any affiliate.
5. This report is based on information supplied by Mr. J.D. McNULTY and by several years prospecting in the Fiddler Creek-Pacific section of the Terrace area.

Vancouver, B.C.
January 15, 1974



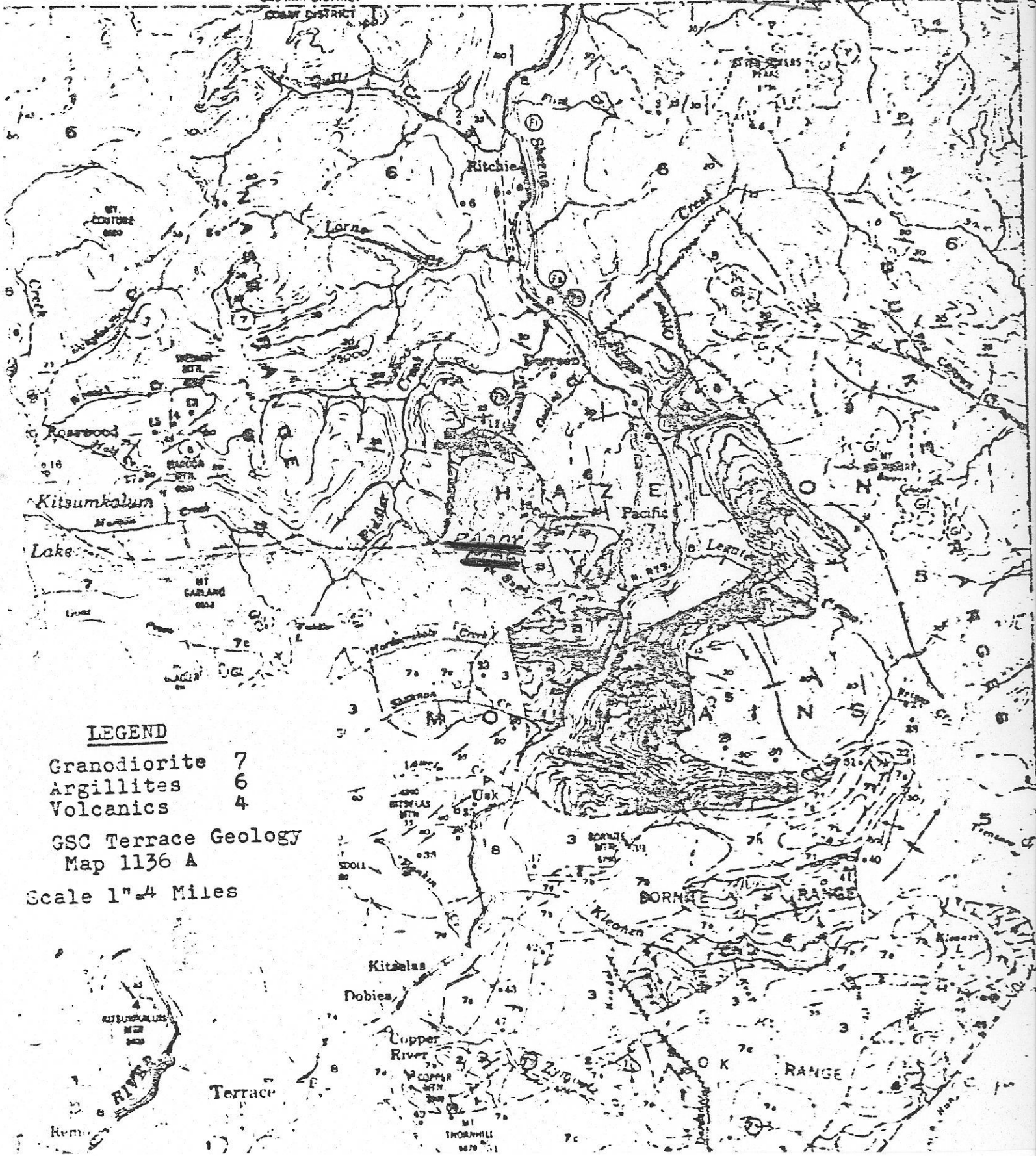


GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

Rec'd MAR 16 1979
SHEET 031 (East)
SMITHERS, B. C.

Scale 1" = 4 Miles

CASSIAR DISTRICT
COOMBS DISTRICT



LEGEND

- Granodiorite 7
- Argillites 6
- Volcanics 4

GSC Terrace Geology
Map 1136 A

Scale 1" = 4 Miles



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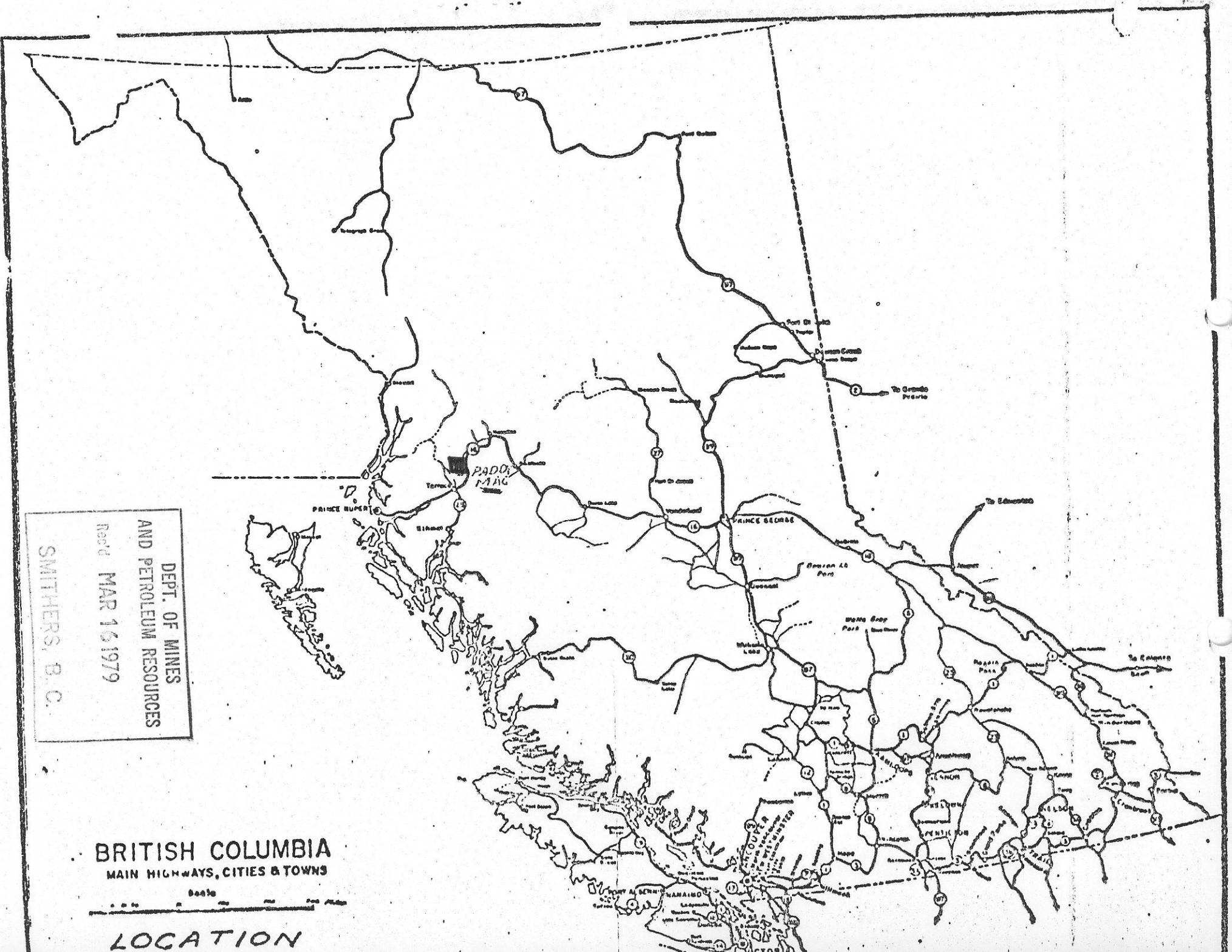
Revised MAR 16 1979

DEPT. OF MINES
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BRITISH COLUMBIA
MAIN HIGHWAYS, CITIES & TOWNS

Scale

LOCATION



MOUNTAINS

Dorreen

River

Amn...

...

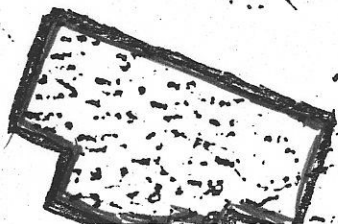
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FADDY-MAC GROUP



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HEAVY SULPHIDE ONE
 02. 02.
 WD. RU. AG.
 3.5 1.55 41.8 1.80 1.70

"Malachite Zone"

UNABLE TO CHECK

WD. RU. AG.
 4.0 0.55 4.25
 4.0 0.02 2.70

OLD POST
 8L3854

STEEP BLUFFS

Middle Zone
 (native Au)

WD.	RU.	AG.
1.3	0.55	0.10
1.2	17.58	7.78
2.5	0.23	1.50
1.3	1.66	1.60
2.8	3.41	4.60
3.5	2.34	7.44
3.5	0.38	1.35
1.8	0.17	

WD.	RU.	AG.
1.6	0.23	1.08
1.3	28.30	10.8
4.0	0.02	0.10
1.0	1.68	2.03
5.0	0.13	0.43
5.0	0.08	0.45
4.0	0.37	0.85

ADIT
 8L3710

Lower Zone



1945
 DEPT. OF MINES

WD.	RU.	AG.
1.2	5.02	3.56
1.8	0.36	5.40

LEGEND

- ARGILLITE
- DIKE
- ADIT
- QTZ. VEIN
- FAULT

CUTTING LINE

SCALE
 1" = 200'