

6153

REPORT ON THE GEOCHEMICAL
AND GEOLOGICAL SURVEY
OF THE
TASHA - SHANNON CLAIM GROUPS
AND
RUPERT - DOG CLAIM GROUPS

LOCATION: ALBERNI MINING DIVISION; PORT ALBERNI, B.C.
FROM ROGERS CREEK IN THE NORTH OVER
MCLAUGHLIN RIDGE TO CHINA CREEK AND
BEYOND TO LIZARD LAKE IN THE SOUTH.
N.T.S. 92F 2E
LATITUDE $49^{\circ} 08'$ N BETWEEN
 $124^{\circ} 38'$ W AND $124^{\circ} 42'$ W LONGITUDE

REPORT BY: R.K. TSCHACH, DIPL. GEOL.
SUPERVISED BY: B.E. SPENCER, B.A. Sc., P. ENG.
WORK DONE BY: WESTERN MINES LTD.
WORK PERIOD: AUG. 7 & 8, 12 to 31, 1976.
SEPT. 1 to 7, 14 to 24, 1976.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

NO. 6153

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RUPERT CLAIM.
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INTERIM REPORT ON THE PORT ALBERNI PROJECT

(Sicker Group Volcanics)

October 1, 1976.

1. HISTORY:

Western Mines Ltd., 1103 Three Bentall Centre, P.O. Box 49066, Vancouver, B.C., V7X 1C4, owned a twelve claim group (Amy) near Port Alberni, north of McLaughlin Ridge, where sheared Siliceous Pyroclastics were tested for anomalous Cu, Zn, Pb concentrations in 1973/74.

This work was encouraging enough to look for and find similar rock-types south of McLaughlin Ridge and locate under the new staking system (500 m or 1640 Ft. for one side) in June '76 a 20 claim group (Tasha) south of China Creek near Williams Creek and a 20 claim group (Shannon) north of China Creek in the Mineral Creek area.

Purpose of our work in August - September '76 was to map these claim groups in sufficient detail to track Acidic Suits (Rhyolitic Rocks) and Coarse Pyroclastics (Breccias) and soil or rock sample favourable zones or even slopes with poor outcrop conditions for anomalous Cu-Zn values.

Also the gap between Amy and Shannon claim group was to be closed by staking if the favourable Sicker sequences could be observed in this region.

2. LOCATION AND ACCESS:

The chain of claim groups is about 9 airmiles or between 11 and 16 road miles south-east of the town of Alberni. The northern part is best reached via the main Alberni - Parksville - #4 road turning off toward Mt. Arrowsmith; the southern part is accessible by logging roads after checking with the MacMillan Bloedel Office outside Port Alberni for safety reasons.

The claims extend from Rogers Creek in the north, Latitude $49^{\circ}14'N$ to Lizard Lake in the south, Latitude $49^{\circ}08'N$ between $124^{\circ}38'W$ and $124^{\circ}42'W$ Longitude on N.T.S. 92F2E.

3. TOPOGRAPHY AND VEGETATION:

The North-Westerly trending McLaughlin Ridge, 4000 Ft. plus in its highest portions, divides the property in rugged north sloping (toward Cameron and Rogers Creeks) and rugged south sloping (toward China Creek) terrain. The ridge is deeply incised by Yellow Creek on the north and Mineral Creek on the south side, creating North-East and South-West facing slopes respectively on parts of the staked ground.

South of China Creek the north and north-west into Williams Creek facing slopes rise ruggedly to Lizard and Duck Lakes (2 and 3000 Ft. elevation) below Douglas Peak.

Pacific Coast Rainforest with mostly Douglas Fir and Hemlock prevails on the property including the high parts of McLaughlin Ridge.

It may be said that generally the lower quarter or lower third of any given slope and broad terraces in higher portions of the slopes are logged off. The higher slope locations are being prepared for a first cut now. Road building with rock drilling and blasting (check with MacMillan Bloedel!) are in progress.

4. CLAIM STAKING:

The Amy-Group was abandoned and restaked under the new claim staking system as a 18 claim group (Sultan), recorded on 24 August 1976.

- Adjoining to the south and starting from the same legal corner post (BCP) is a 20 claim group (Rupert), recorded on 24 August 1976.
- A third, 18 claim group (Dog) is adjoining the Rupert to the south-east and was recorded on 14 September 1976.
- All legal corner posts are in the Alberni Mining Division, but the Dog - Claims penetrate to the east into the Nanaimo Mining Division.
- There is an unstaked gap on McLaughlin Ridge between Dog and Shannon Claims.

Part of it is occupied by Sam 4 and Sam 11 Claims which are in good standing to March 29/77. All other Sam Claims in the gap were forfeited, (one claim in the Tasha Group - see 92 F2E Map, 55G Claim - is also privately owned).

5. ROCKTYPES:

1. GENERAL:

Geological mapping was carried out concurrent with the soil sampling and by itself in certain areas not sampled. There are all the known Pyroclastics of the Sicker Group: Tuff, Lithic and Lapilli, and Breccia (Agglomerate) fragment sizes 2mm., 2 to 15 mm and more than 15 mm respectively; from Rhyolitic, Rhyodacitic, Dacitic to Andesitic composition, interbedded with Andesite and Dacitic flows.

- Shearing was observed in some areas with Quartz-Sericite-Schist = QSS, Quartz-Chlorite-Sericite-Schist = QCSS, Quartz-Chlorite-Schist = QCS.
- Extensive, heavily Amygdaloidal, Dacite flows occur on and about McLaughlin Ridge extending down to COP 130 and 132.
- The uppermost member of the Sicker Group, Permian Limestone, was encountered above Duck Lake.
- The south part of the property and the total slope west of Williams Creek borders into and consists of Karmutsen Basalt flows and Pillow Breccias.

2. RHYOLITIC ROCKS AND SHEAR ZONES:

The most persistent Rhyolitic sequence on the property with sheared portions increasing toward the foot wall was tracked from Yellow Creek Main, a logging road to and through the platform between YC200 and YC300 (Elevation 2300) to the top part of YC100 near Yellow Creek; a horizontal extent of about 8000 Ft.

The gently sloping Rhyo-Dacitic debris between YC200 and 300 is rimmed with partly foliated Rhyolites for a total width of roughly 1000 Ft. The bearing of the foliated portions is 330° with 70° south-westerly dip.

- The Dacitic Breccias south-west of the Rhyolite zone carry fine grained, sparsely disseminated Pyrite.
- Near the top part of YC100 the sheared part in the F.W. of the Rhyolites is exposed for a true widths of 93 feet at 330° and dip 65° south-west (elevation 2950 Ft.) QCSS, QSS, and some Pyrite are present.
- The Iron stained Rhyolites are exposed again in the 330° south-east extension in a branch of Yellow Creek (above the top part of YC100) from elevation 3260 to 3400 Ft. for a true width of about 150 Ft. This gives an additional 2000 Ft. horizontal extension for a total length of 10,000 Ft.

The Rhyolitic sequence is no longer traceable above elevation 3580 Ft. due to extensive, Dacitic, Amygdaloidal Flows which can be tracked right up to McLaughlin Ridge. But 5000 Ft. away almost on the 310 to 330° bearing there is a 30 Ft. wide Rhyolite showing just beyond McLaughlin Ridge on the China Creek Slope at elevation 3740 Ft.

On the Tasha-Group of claims there is one 15 Ft. wide Rhyolite Dyke at elevation 3050 Ft., but there are numerous Rhyolitic occurrences in the Talus sloping north-westerly toward Williams Creek on elevation 2050 Ft.

The Shannon-Group with Mineral Creek shows almost exclusively Dacitic Tuffs. There are Cherty, Banded, Rhyolitic Tuffs at elevation 2150 Ft.

6. GEOCHEMISTRY AND MINERALIZATION:

Chain and altimeter or topofil and altimeter traverses along certain elevations were chosen in the rugged Talus slopes of the Tasha and Shannon Group to avoid a time consuming Grid-System in unproven portions of the property. Soil samples from the "B" Horizon were taken every 200 Ft. along these lines.

The wide Rhyolitic platform between YC200 and YC300 was sampled with a regular Grid System because structure and rock types are known and promising. The baseline follows the bearing of the foliation at 330° , the sample lines start on the baseline every 400 Ft on 240° .

Sample intervals on the sample lines are 200 Ft., some 100 Ft. There are presently 10 lines, from 0 to 36+00, sampled at an average to 10N and 10S from the baseline (about 20 samples on each line). This is the Rupert Group.

On the Dog Claims one line was sampled on elevation line, other samples taken at increasing elevations ± along upper Yellow Creek in the Rhyolite showings and beyond.

Isolated small Rhyolite occurrences were rock - sampled throughout the property.

- All samples were sent to Min - En Labs Ltd., 705 West 15 Street, North Vancouver, B.C., V7M 1T2.

The samples were reportedly dried, screened to -80 mesh, digested in hot Nitric and hot Perchloric acids and tested with an Atomic Absorption Unit. Results are in parts per million.

(Copper = Cu and Zinc = Zn).

- The following values were used for marking the Anomalous samples on the soil sample maps:

	<u>COPPER</u>	<u>ZINC</u>
Background Level	65 ppm	90 ppm
Anomalous	>110 ppm	>140 ppm

There were anomalous values on all Claim Groups:

I. TASHA:

Elevation 2050 Ft. (S800) has the best geochemical results at the present time. F.I. six samples in a chain of 7 are anomalous, five of them are both, anomalous for Cu and Zn. There are additional isolated highs in the vicinity.

- 50 Ft. beyond sample S814 and 50 Ft. up, on elevation 2100 Ft., is one adit to a flooded winze of the old Regina Group located with stringers and fracture-fillings of Sphalerite, Chalcopyrite, Pyrite and Galena in Daco - Rhyolitic Breccia with Quartz - Stringers. The winze follows a fracture plane with bearing 246°, inclined 55° south-easterly.
- Elevation line 1500 Ft. (S700) has also anomalous values.
- The copper-highs west of Williams Creek are caused by sparsely disseminated Pyrite-Chalco Pyrite grains in Amygdaloidal Karmutsen Basalts and should be ignored.

477-28
 (L.586) S-771 v-1 A
 S-771 v-1 B
 S-771 v-1 C
 S-771 v-1 D

II. SHANNON:

The soil sample results reflect the scarcity of Rhyolitic Rocks on this slope. There is only one anomalous value of both Cu and Zn, close to Mineral Creek, coinciding with one of the small Rhyolitic showings. There are quite a number of Cu - Anomalous values irregularly distributed.

Three Zinc anomalous samples west of Mineral Creek on the lower slope might represent the extension of the Tasha Highs.

- The upper slopes are consistently barren but the central part of SS 600, elevation 3300 Ft., has a number of Cu - anomalous values in the projected extension of the Rhyolite zone from Yellow Creek.
- Vancouver Island Gold Mine's main portal and mill remnants were encountered on elevation 2520 Ft. just west of Yellow Creek. Quartz outcrops in a westerly branch of Yellow Creek indicate that Gold-Quartz veins or lenses of 290° bearing and 55° south-westerly dip were mined.

Mineral ?

III. RUPERT - DOG:

The grid on the Rhyolite rimmed plateau between YC 200 and YC 300 returned irregularly distributed anomalies partly aligned in the 330° direction. Only a few are both Cu and Zn anomalous. There is increased frequency of anomalous samples in the north-east corner of the grid and one extreme high isolated in untested surroundings at the north-west boundary of the grid.

The shear zone at the top end of YC 100 had some anomalous values.

The Iron stained Rhyolites on the Dog Group, above the top end of YC 100, had one anomalous assay. All the others were at median value or lower.

7. RECOMMENDATION:

I. TASHA:

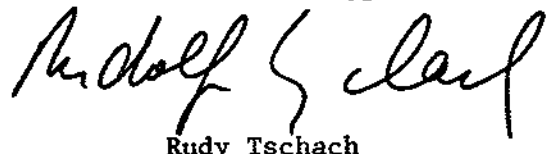
The soil sample results on both lines east of Williams Creek merit additional work. One line between S-700 and S-800 on elevation 1750 Ft., one line below S-700 on elevation 1250 Ft. and one line above S-800 on elevation 2300 Ft. are recommended for mapping and soil sampling.

II. EAST OF SHANNON:

There is still the chance that the upper Yellow Creek Rhyolites (Dog group of claims) which could not be confirmed on SS 600 will show up in a lower elevation below the anomalous Copper values of line SS 600. A soil sample and mapping line on elevation 1650 (S100) below SS 1600 is recommended.

III. RUPERT:

North-west and north-east corners of the YC 200 - Yc 300 grid are anomalous and open. Additional lines to the north-west and the extension of some short, sampled lines to the vicinity and beyond the anomalous values are suggested.



Rudy Tschach

EXPENDITURES APPLICABLE FOR ASSESSMENT WORK

A. TASHA CLAIM GROUP

1. FIELD WORK

1.1 MAPPING

Sue Campbell, Aug.	12-16, 5 days @ \$ 71.00	.....\$	355.00
Kim Baldry , Aug.	12-16, 5 days @ \$ 35.50	.....\$	177.50
Rudy Tschach, Aug. 8,	12-16, 6 days @ \$120.00	.....\$	720.00

1.2 SOIL SAMPLING AND MAPPING COMBINED

Grant Crooker, Aug.	27-29, 3 days @ \$ 60.00	.....\$	180.00
Brian Laing , Aug.	27-29, 3 days @ \$ 35.50	.....\$	106.50
Rudy Tschach , Aug.	27-29, 3 days @ \$120.00	.....\$	360.00
Kim Baldry , Aug.	27-29, 3 days @ \$ 35.50	.....\$	106.50

2. DRAFTING AND REPORT WRITING

Sue Campbell, Aug.	27-29, 3 days @ \$ 71.00	.....\$	213.00
Grant Crooker, Sept.	19 , 1 day @ \$ 60.00	.....\$	60.00
Rudy Tschach , Sept.	19 , 1 day @ \$120.00	.....\$	120.00

3. ROOM (2 AND 3 ROOMS RESPECTIVELY)

Aug. 12-16, 5 days @ \$24.00\$	120.00
Aug. 27-29, 3 days @ \$35.00\$	105.00

4. BOARD

30 Man-days @ \$15.00\$	450.00
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5. TRANSPORATION (\$140/WEEK PLUS GAS)

8 days @ \$25.00\$	200.00
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6. ASSAYING (GEOCHEMISTRY)

28 Samples @ \$2.20\$	<u>61.60</u>
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TASHA - TOTAL \$ 3335.10

B. SHANNON CLAIM GROUP

1. FIELD WORK

1.1 MAPPING

Sue Campbell, Aug.	17-19, 3 days @ \$ 71.00\$	213.00
Kim Baldry , Aug.	17-21, 5 days @ \$ 35.50	.....\$	177.50
Rudy Tschach, Aug. 7, 17-21, 6 days @ \$120.00	.....\$		720.00

1.2 SOIL SAMPLING AND MAPPING COMBINED

Grant Crooker, Aug.	22-26, 5 days @ \$ 60.00	.....\$	300.00
Brian Laing , Aug.	22-26, 5 days @ \$ 35.50	.....\$	177.50
Rudy Tschach , Aug.	22-26, 5 days @ \$120.00	.....\$	600.00
Kim Baldry , Aug.	22-26, 5 days @ \$ 35.50	.....\$	177.50
Sue Campbell , Aug.	24-26, 3 days @ \$ 71.00	.....\$	213.00

2. DRAFTING AND REPORT WRITING

Grant Crooker, Sept.	4- 6, 3 days @ \$ 60.00	.....\$	180.00
Sue Campbell , Aug.	20-23, 4 days @ \$ 71.00	.....\$	284.00
Rudy Tschach , Sept.	20 , 1 day @ \$120.00	.....\$	120.00

3. ROOM (2 AND 3 ROOMS RESPECTIVELY)

Aug. 22-26, 5 days @ \$24.00\$	120.00
Aug. 17-21, 5 days @ \$35.00\$	175.00

4. BOARD

40 Man-days @ \$15.00\$	600.00
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5. TRANSPORTATION (\$140/WEEK PLUS GAS)

10 days @ \$25.00\$	250.00
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6. ASSAYING (GEOCHEMISTRY)

222 Samples @ \$2.20\$	<u>488.40</u>
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SHANNON - TOTAL \$4795.90

TASHA PLUS SHANNON CLAIM GROUPS - TOTAL \$8,131.00

Rudolf S. Clark

C. RUPERT CLAIM GROUP

1. FIELD WORK

1.1 MAPPING

Sue Campbell, Aug. 30-Sept. 1, 3 days @ \$ 71.00	\$ 213.00
Kim Baldry , Aug. 30-Aug. 31, 2 days @ \$ 35.50	\$ 71.00
Rudy Tschach, Aug. 30-Sept. 2, 4 days @ \$120.00	\$ 480.00
Grant Crooker, Sept. 2 , 1 day @ \$ 60.00	\$ 60.00

1.2 SOIL SAMPLING

Grant Crooker, Aug. 30-Sept. 1, 3 days @ \$ 60.00	\$ 180.00
Brian Laing , Aug. 30-Sept. 1, 3 days @ \$ 35.50	\$ 106.50
Grant Crooker, Sept. 7 , 1 day @ \$ 60.00	\$ 60.00

2. DRAFTING AND REPORT WRITING

Rudy Tschach, Sept. 21-23 , 3 days @ \$120.00	\$ 360.00
Grant Crooker, Sept. 20-22 , 3 days @ \$ 60.00	\$ 180.00

3. ROOM (3 AND 1 ROOMS RESPECTIVELY)

Aug. 30-Sept. 1, 3 days @ \$35.00	\$ 105.00
Sept. 2, Sept. 7, 2 days @ \$14.00	\$ 28.00

4. BOARD

17 Man-days @ \$15.00	\$ 255.00
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5. TRANSPORTATION (\$140/WEEK PLUS GAS)

4 days @ \$25.00	\$ 100.00
1 day @ \$23.00	\$ 23.00

6. ASSAYING (GEOCHEMISTRY)

164 Samples @ \$2.20	\$ 360.80
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RUPERT - TOTAL \$2,582.30

D. DOG CLAIM GROUP

1. FIELD WORK

1.1 MAPPING AND SOIL SAMPLING COMBINED

Grant Crooker, Sept. 14-18, 5 days @ \$ 60.00\$ 300.00
Rudy Tschach, Sept. 14-18, 5 days @ \$120.00\$ 600.00

2. DRAFTING AND REPORT WRITING

Rudy Tschach, Sept. 24 0.5 day @ \$120.00\$ 60.00

3. ROOM (\$100/WEEK)

Sept. 14-18, 5 days @ \$14.00\$ 70.00

4. BOARD

10 Man-days @ \$15.00\$ 150.00

5. TRANSPORTATION (\$19/DAY PLUS \$0.14/MILE PLUS GAS)

5 days @ \$23.00\$ 115.00

6. ASSAYING (GEOCHEMISTRY)

78 Samples at \$2.20\$ 171.60

DOG - TOTAL \$1,466.60

RUPERT PLUS DOG CLAIM GROUPS - TOTAL \$4,048.90

Rudolf { *Chauf*

STATEMENT OF QUALIFICATION

Rudolf K. Tschach,
R.R. #3,
Courtenay, B.C.
V9N 5M8.

1. I am a graduate geologist of the University of Freiberg in Germany. My title bestowed in 1960 is "Diploma Geologist" which is about equal to an M.A.
2. I have practiced my profession in Canada with Giant Yellowknife Gold Mines Ltd. from 1963 to 1965, and with Western Mines Ltd., of Campbell River from 1965 to the present time.



Rudolf K. Tschach

1

124°45'

INDEX MAP

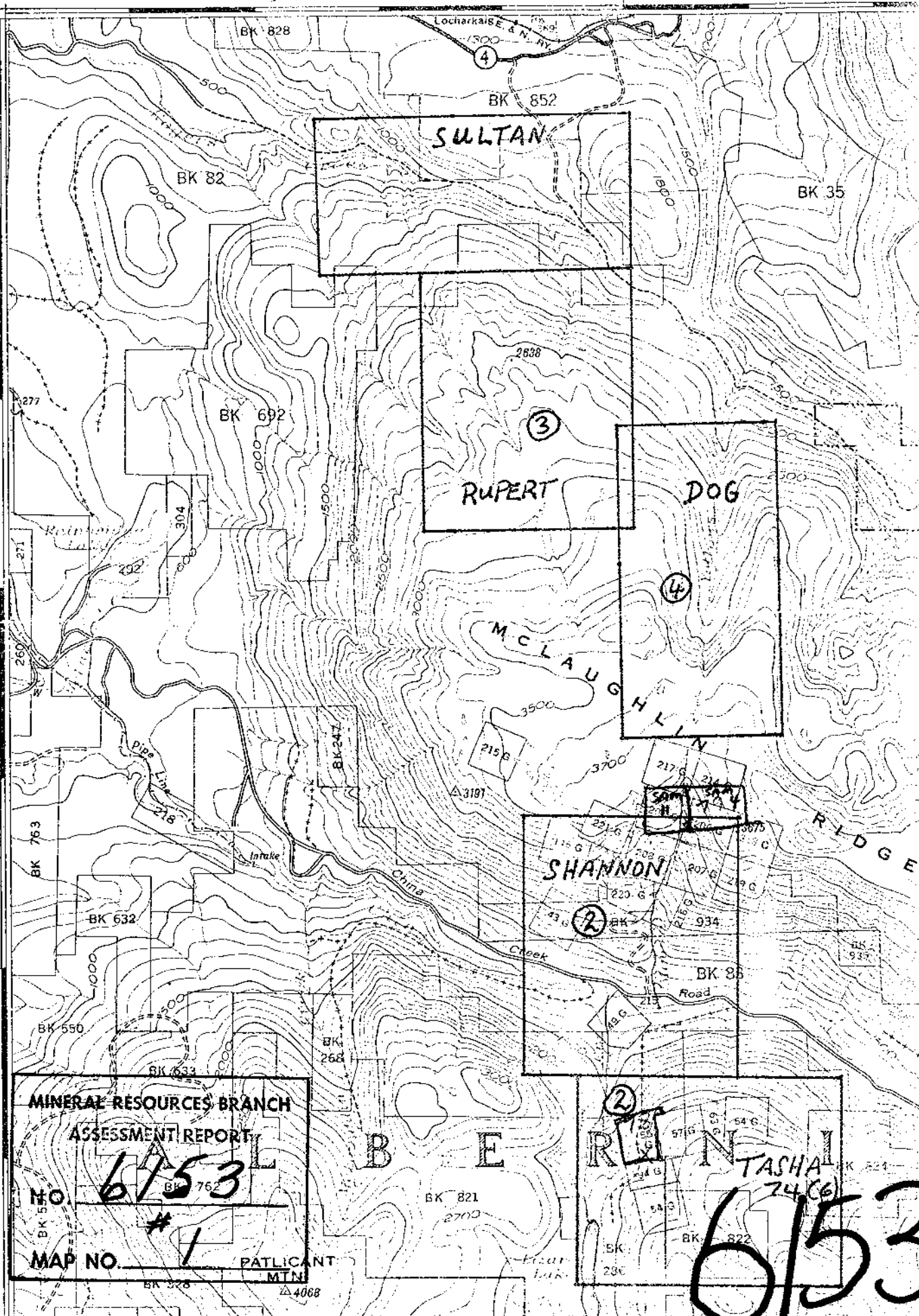
Alberni 5 1/2 m

92 F 2 E

To Parksville Parksville 22m

40' 1 1

49°15'



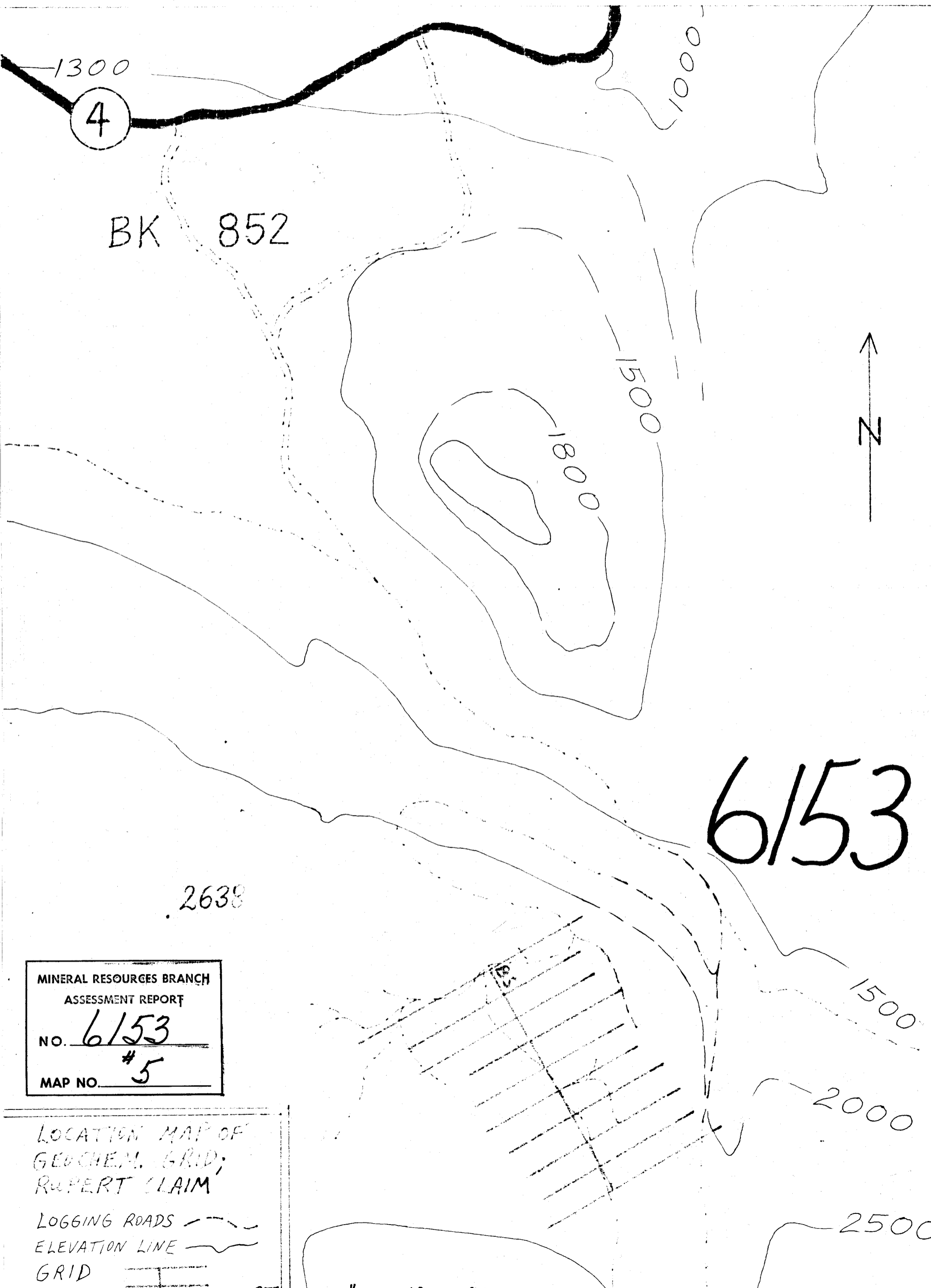
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 # **1**
 MAP NO. **1**
 PATLICANT
 MTN.

6153

92 F 2 E

PARKSVILLE 22 m

49° 15'



BK 852

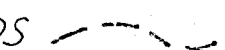

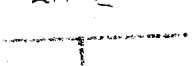


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 MAP NO. #5

LOCATION MAP OF
 GEOCHEM. GRID;
 ROBERT CLAIM

LOGGING ROADS 
 ELEVATION LINE 
 GRID 
 366m. 366m. RT

1" ~ 1200 FT

RUPERT
CLAIM
GROUP

2000

2500

YELLOW CREEK

3000

COP CREEK

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MINERAL RESOURCES BRANCH
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MAP NO. #4

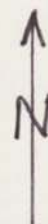
DOG
CLAIM
GROUP

3500

LAUGHLIN

RIDGE

47 59
11 16



WESTERN MINES LTD.

DOG CLAIM

92F - 2E

GEOCHEMISTRY

Cu
● = SOIL SAMPLE, p.p.m. S.C.
Zn

381 m | 381 m | 381 m

4

9123



3

MINERAL RESOURCES BRANCH
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 MAP NO. #3

WESTERN MINES
 RUPERT CLAIM
 92F-2E

Geochemistry

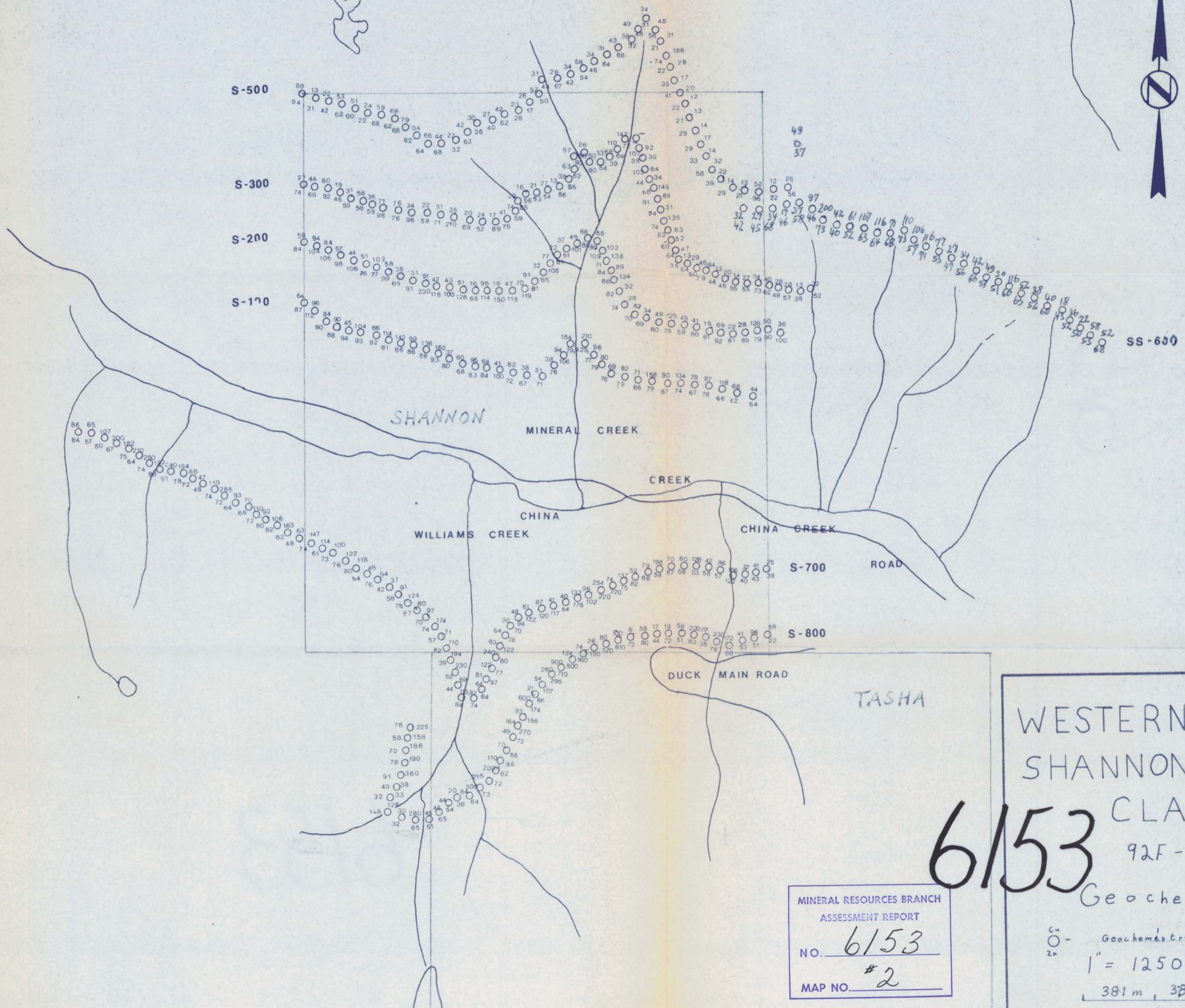
$\frac{Cu}{Zn}$ geochem. sample, p.p.m.
 logging roads
 G.C.

1" = 400'

61m 61m 122m 122m

Y.C. 11
 to
 Y.C. 16

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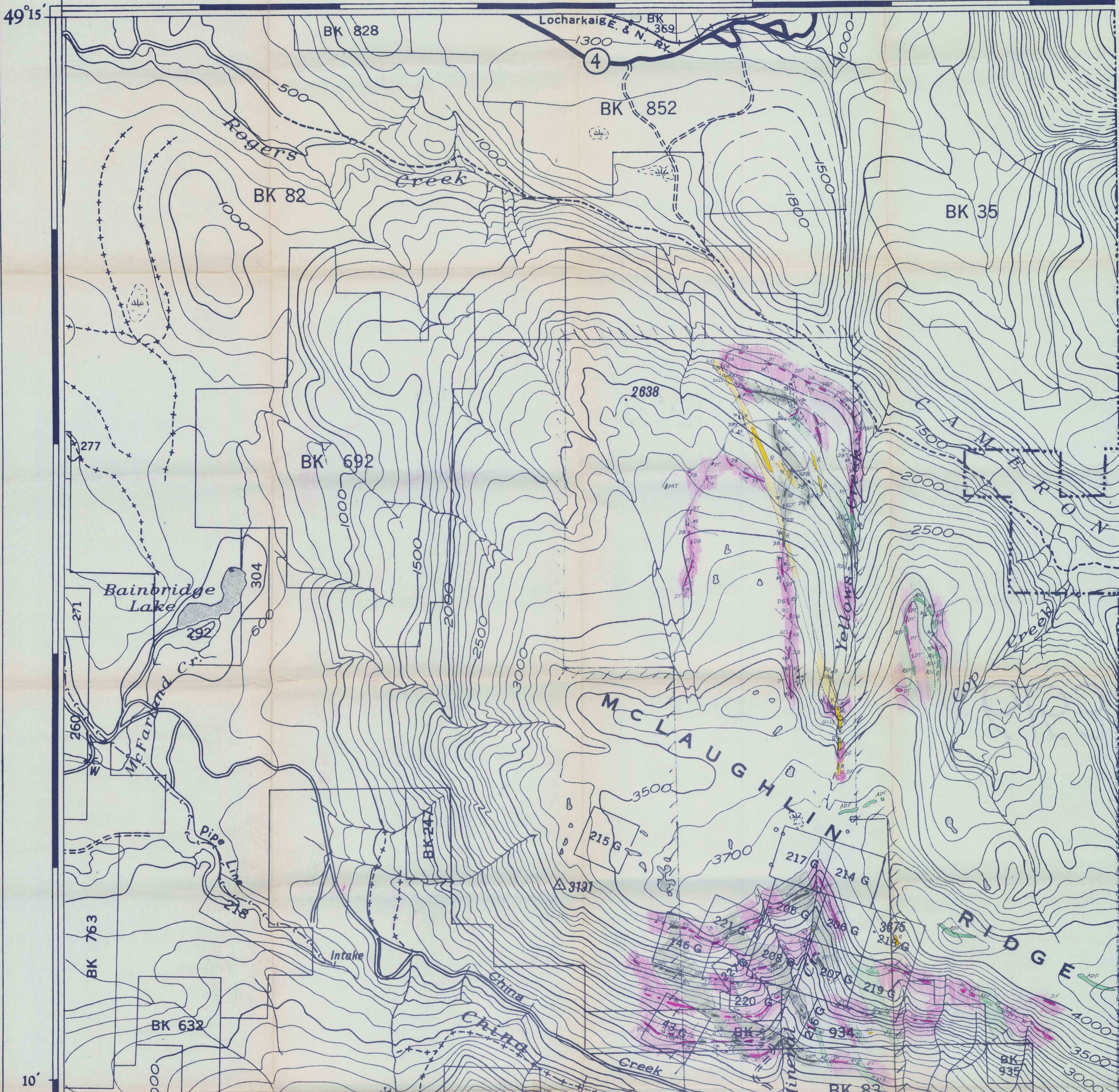
WESTERN MINES
 SHANNON + TASHA
 CLAIMS
 92F-2E (2)
 Geochemistry

○ - Geochemistry soil sample, p.p.m.
 1" = 1250' G.C.
 381 m 381 m 381 m

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 #2
 MAP NO.

6153

124°45' Alberni 5 1/2m To Parksville Parksville 22m
 49°15' 40' 40'



GEOLOGY MAP 1976
 RUPERT, DOG, TASHA, SHANNON CLAIMS

RHYOLITE	R	[Color swatch]
RHYODACITE	RD	[Color swatch]
DACITE	D	[Color swatch]
ANDESITE	A	[Color swatch]
BASALT	BAS	[Color swatch]
LIMESTONE	L	[Color swatch]
GREYWACKE	G	[Color swatch]

TUFF	T	[Symbol]
BRECCIA	B	[Symbol]
FLOW	F	[Symbol]
FILLOWS	P	[Symbol]

OUTCROP	[Symbol]
BEDDING	[Symbol]
FOLIATION (SCHISTOSITY)	[Symbol]
DYKES	[Symbol]
CONTACT (DEFINED, APPROX., ASSUMED)	[Symbol]
FAULT (DEFINED, APPROX., ASSUMED)	[Symbol]

TALUS	[Symbol]
FRACTURE	[Symbol]
VEINING	[Symbol]
LINATION	[Symbol]

1" = 1200 FT.
 366 m 366 m 366 m

MINERAL RESOURCES BRANCH
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 #6
 MAP NO.

SOUTH BORDER 6153