

DOLMAGE CAMPBELL & ASSOCIATES (1975) LTD.
CONSULTING GEOLOGICAL & MINING ENGINEERS
1000-1055 WEST HASTINGS STREET
VANCOUVER, CANADA V6E 2E9

A TRENCHING-SAMPLING-GEOLOGICAL REPORT

on the

RAD, DWI and PETRA CLAIMS

in the

PRINCETON-SUMMERLAND AREA, B.C.

Located 50 kilometres northeast of
Princeton, B.C.

(49° 44'N, 120° 05'W)

in the

SIMILKAMEEN MINING DIVISION

Map Sheet: NTS 92H/9/E1/2

OWNER AND OPERATOR: GRANDE TRUNK RESOURCES INC.

by
J.L. Rotzien, P.Eng.

March 1, 1980

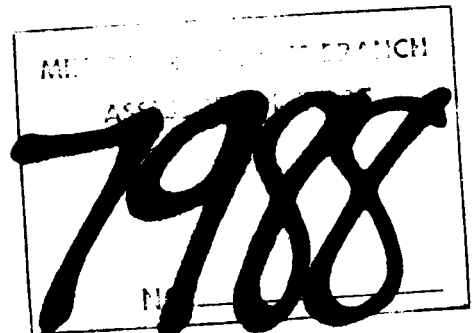


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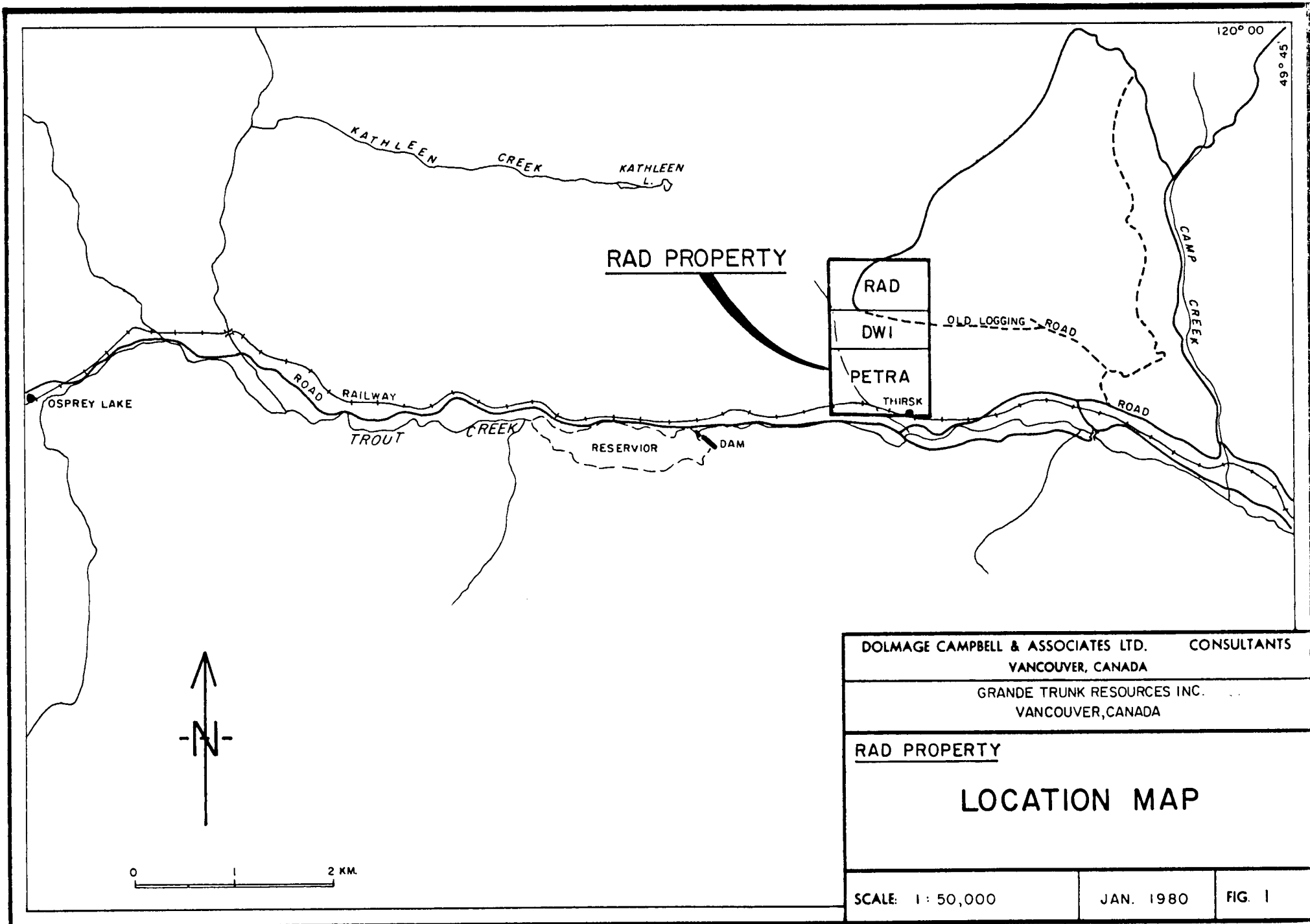
SUMMARY

The Rad, DWI and Petra claims are located immediately north of Trout Creek 50 kilometres northeast of Princeton, B.C. in the Similkameen Mining Division.

The claims are located within a large mass of Jurassic Coast Intrusive granodiorite that is intruded, 1.5 kilometres to the west, by a small granitic stock of upper Cretaceous Otter Intrusives. No regional structures project into or pass through the area of the claims.

Within the property boundaries two, steeply dipping shear zones, striking at approximately N70°E and S70°E are evident. These two shears contain gold and silver values associated with a banded magnetite-manganese mineralization sub-parallel to small lenses and stringers of quartz within the shear zones. There is a distinct possibility that these two shears may both be individuals of two shear sets.

The data obtained from a trenching-sampling program indicates that significant gold-silver mineralization exists within the property boundaries.



120° 00'
49° 45'

RAD PROPERTY

RAD
DWI
PETRA
THIRSK

OLD LOGGING ROAD

CAMP CREEK

ROAD

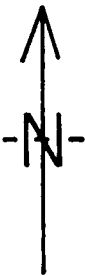
RESERVIOR DAM

TROUT CREEK

RAILWAY

ROAD

OSPREY LAKE



0 1 2 KM.

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VANCOUVER, CANADA

GRANDE TRUNK RESOURCES INC.
VANCOUVER, CANADA

RAD PROPERTY

LOCATION MAP

SCALE: 1 : 50,000

JAN. 1980

FIG. 1

DOLMAGE CAMPBELL & ASSOCIATES (1975) LTD.

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1000-1055 WEST HASTINGS STREET
VANCOUVER, CANADA V6E 2E9

INTRODUCTION

LOCATION AND ACCESS: 49° 44'N, 120° 05'W

The Rad, DWI and Petra claims are located immediately north of Trout Creek 50 kilometres northeast of Princeton, B.C. (Fig. 1).

From Princeton, B.C. access to the property is gained via the Princeton-Peachland gravel road (50 kilometres) and the Kathleen Lake logging road (3 kilometres).

TOPOGRAPHY

The claims cover the slopes to the north of Trout Creek to the top of the rolling plateau topped hills ranging in elevation from 1100 metres just north of Trout Creek to 1460 metres at the north end of the property. Virtually all of the property has been logged off but in some areas merchantable timber still exists.

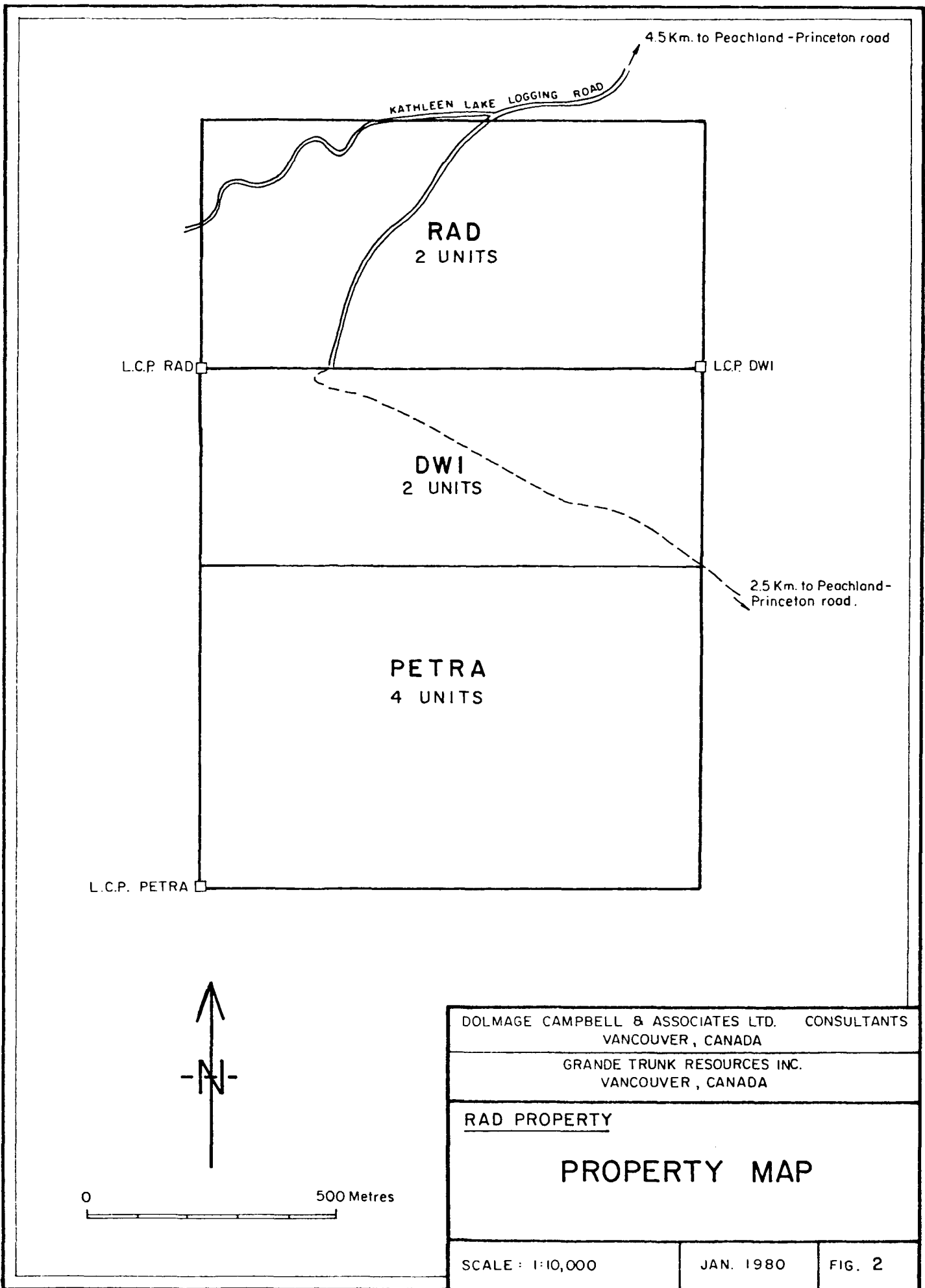
PROPERTY

The property consists of three claims totalling ~~12~~⁸ units (Fig. 2). The following information was obtained from the office of the Ministry of Mines and Petroleum Resources at Vancouver, B.C.

<u>CLAIM NAME</u>	<u>UNITS</u>	<u>RECORD NO.</u>	<u>RECORDING DATE</u>	<u>MINING DIVISION</u>
RAD	2	592	25/05/79	SIMILKAMEEN
DWI	2	631	13/06/79	SIMILKAMEEN
PETRA	4	255	19/08/79	SIMILKAMEEN

The legal corner post for the Petra claim is situated at Thirsk station on the Canadian Pacific Railway Track, 230 metres west of the junction of an unnamed creek and Trout Creek.

The legal corner post for the Rad claims is situated 500 metres south and 500 metres west of kilometre 32 on the Kathleen Lake logging road. The legal corner post for the DWI claim is situated 1,000 metres east of the legal corner post for the Rad claims.



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VANCOUVER, CANADA

RAD PROPERTY

PROPERTY MAP

SCALE : 1:10,000

JAN. 1980

FIG. 2

HISTORY

Previous work on the Rad property consists of trenching, the driving of a test adit and the drilling of three short plugger holes, all in the immediate area of the original showings.

SUMMARY OF WORK - 1979

During the 1979 field season the old trenches were cleaned out, in some cases extended and mapped by the writer (Fig. 3). A total of 22 rock samples were taken from the trenches. One rock sample was obtained from an outcrop west of the trenches as a result of reconnaissance geological mapping.

FIELD WORK

The field work on the Rad, DWI and Petra claims was conducted on a continuous basis after the initial investigations of the property by the consulting engineer. On July 7th the engineer visited the property and found only one trench. However on July 13th the remainder of the trenches and the adit were examined.

On October 14th the engineer and one helper drove to Princeton to make the final arrangements for the work. On October 15th and 16th the Caterpillar D-7 cleaned out the trenches and the inspection and sampling of the trenches commenced. On October 17th the sampling of the trenches was completed while the consulting engineer traversed the hill to the west of Trench No. 1.

A total of 2000 metres of bulldozer trenches approximately 3 metres wide were completed.

SAMPLING PROCEDURES

Each trench was examined by the engineer who delineated the length and location of each sample. The helper then collected chips (approximately 2 cm diameter) on a continuous basis along the lines designated by the engineer. In all cases the samples were obtained from freshly exposed, sheared granodiorite along a line approximately perpendicular to the apparent attitude of the shear zones.

ASSAY PROCEDURES

All of the samples were assayed by Chemex Labs Ltd. After sample preparation and reduction the samples were analyzed in the following manner:

"0.5 assay ton sub samples were fused in litharge, carbonate and silicious fluxes. The lead button containing the precious metals was cupelled in a muffle furnace. The combined Ag and Au was weighed on a micro balance, parted, annealed and again weighed as Au. The difference in the two weighings is Ag. Low grade samples were analyzed to a detection of 5 parts per billion by a combination fire assay-atomic absorption procedure."

GEOLOGY

REGIONAL GEOLOGY

The Rad, DWI and Petra claims are located within a large mass of Jurassic Coast Intrusive granodiorite that is intruded, 1.5 kilometres to the west, by a small granitic stock of upper Cretaceous Otter Intrusives. No regional structures project into or pass through the area of the claims.

Although the granodiorite is covered by a thin veneer of glacial drift, outcrops are abundant.

PROPERTY GEOLOGY

The property is underlain by Jurassic Coast Intrusive granodiorite.

Two steeply dipping shear zones striking at approximately N70°E and S70°E have been observed in the trenches. These shear zones vary considerably in thickness from 1.1 metres to 9.0 metres.

It is possible that the two shear zones are individuals of shear sets.

MINERALIZATION

Erratic gold and silver values are present within the two shear zones, associated with manganese-magnetite-hematite mineralization (Table 1). The mineralized zones appear discontinuous in nature and may be restricted to areas near the intersections of the two shear zones.

TABLE 1
ASSAY RESULTS

<u>Trench No.</u>	<u>Sample No.</u>	<u>Sample Width</u>	<u>Shear Zone No.</u>	<u>Au (oz./ton)</u>	<u>Ag (oz./ton)</u>	<u>Comments</u>
2	5651	3.80 m	1	0.088	0.05	Magnetite visible.
2	5652	1.85	1	0.144	0.10	Part of 5651, strong magnetite.
3	5653	1.50	1	>0.003	0.14	Minor manganese.
3	5654	1.50	1	>0.003	0.01	Minor manganese.
3	5655	1.80	1	>0.003	0.05	Minor manganese.
3	5656	1.20	1	>0.003	0.01	Minor manganese.
3	5657	1.50	1	>0.003	0.10	Minor manganese.
3	5658	1.50	1	>0.003	0.01	Minor manganese.
3	5659	1.50	1	>0.003	0.01	Minor manganese.
3	5660	1.50	1	>0.003	0.01	Minor manganese.
3	5661	1.50	1	>0.003	0.02	Minor manganese.
4	5662	1.50	1	0.028	0.14	Strong magnetite
4	5663	2.70	1	>0.003	0.05	Weak magnetite.
4	5664	2.70	1	0.040	0.01	Strong magnetite
5	5665	1.10	1	0.042	0.12	Strong magnetite
6	5666	1.50	2	0.374	0.27	Strong magnetite
7	5667	1.50	2	>0.003	0.16	Minor manganese.
7	5668	1.50	2	>0.003	0.08	Minor manganese.
7	5669	1.50	2	>0.003	0.04	Minor manganese.
7	5670	1.50	2	>0.003	0.03	Minor manganese.
7	5671	1.50	2	>0.003	0.01	Minor manganese.
7	5672	1.50	2	>0.003	0.01	Minor manganese.
Outcrop west of creek	5673	4.00 m	2(?)	0.005	0.05	Strong magnetite hematite.

Although the gold and silver values obtained from the chip samples are erratic, it is evident that they are at least loosely associated with visible magnetite mineralization. It also appears that Shear Zone No. 2 may also contain gold and silver values of interest near the intersections of the two shear systems.

CONCLUSIONS

Significant gold and silver values exist within the Rad property, associated with two steeply dipping shear zones over a known horizontal distance of approximately 130 metres. The westerly end of the mineralized zone is open and may extend off the claims to the west. The eastern end of the zone may be limited by Trench No. 7. The existence of mineralization in Shear Zone No. 2 indicates that the northern, southern and eastern limits of the mineralized zone are not yet defined.

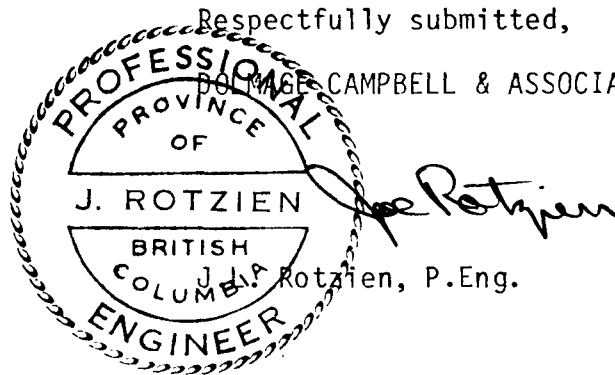
Two modes of occurrence of the mineralization appear to be possible. If shear zone No. 2 is an individual shear of a shear set, the strongly mineralized zone (Shear Zone No. 1) may be offset to the north and/or south in several places. Also, both Shear No. 1 and No. 2 may represent shear sets with the mineralization occurring at or near the junctions of the sets, along individual shears.

The high gold-silver values appear to be associated with the manganese-magnetite mineralization.

At present the property appears to have the potential of two near vertical shoots of significant gold-silver mineralization. Further exploration work is warranted to test for lateral extensions of the shear zones and attempt to identify other zones with significant mineralization.

Respectfully submitted,

DOLMAGE CAMPBELL & ASSOCIATES (1975) LTD.



J. Rotzien, P.Eng.

DOLMAGE CAMPBELL & ASSOCIATES (1975) LTD.

CONSULTING GEOLOGICAL & MINING ENGINEERS

1000-1055 WEST HASTINGS STREET
VANCOUVER, CANADA V6E 2E9

CERTIFICATE

I, Joe L. Rotzien of the city of Vancouver, British Columbia do hereby certify that:

1. I am a consulting geological engineer.
2. I am a graduate of the University of British Columbia in Geological Engineering, 1972.
3. I am a registered Professional Engineer of the Province of British Columbia and a member of the Canadian Institute of Mining and Metallurgy and the Geological Association of Canada.
4. I have practised my profession continuously since 1972 in engineering geology and mining exploration in British Columbia and Saskatchewan.
5. I examined the Rad, DWI and Petra claims on July 13th. I inspected the trenches and supervised the trenching and sampling on these claims.

Dated at Vancouver, B.C. this 1st day of March, 1980.

Respectfully submitted,



Joe L. Rotzien, P.Eng.

APPENDIX I

CERTIFICATE OF ASSAY



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
 NORTH VANCOUVER, B.C.
 CANADA V7J 2C1
 TELEPHONE: 984-0221
 AREA CODE: 604
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ASSAY

TO: Dolmage Campbell & Assoc. Ltd.
 1000 - 1055 W. Hastings St.
 Vancouver, B.C.
 V6E 2E9
 ATTN: J. L. Rotzlien

CERTIFICATE NO. 66790
 INVOICE NO. 33791
 RECEIVED Oct. 24/79
 ANALYSED Nov. 12/79

SAMPLE NO. :	oz/ton Silver	oz/ton Gold
5651	0.05	0.088
5652	0.10	0.144
5653	0.14	< 0.003
5654	0.01	< 0.003
5655	0.05	< 0.003
5656	0.01	< 0.003
5657	0.10	< 0.003
5658	0.01	< 0.003
5659	0.01	< 0.003
5660	0.01	< 0.003
5661	0.02	< 0.003
5662	0.14	0.028
5663	0.05	< 0.003
5664	0.01	0.040
5665	0.12	0.042
5666	0.27	0.374
5667	0.16	< 0.003
5668	0.08	< 0.003
5669	0.04	< 0.003
5670	0.03	0.003
5671	0.01	< 0.003
5672	0.01	< 0.003
5673	0.05	0.005



MEMBER
 CANADIAN TESTING
 ASSOCIATION

Star Amadori

REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA

APPENDIX II

STATEMENT OF COSTS

STATEMENT OF COSTS

RAD PROPERTY

SAMPLING	
L. Gladue, Field Helper	
4 days at \$74.25	\$ 297.00
FIELD SUPERVISION	
J. Rozienn, Consulting Engineer	
6 days at \$175.00	1,050.00
BULLDOZER TRENCHING	
Invoice from Herrick Enterprises Ltd.	1,049.50
CREW MAINTENANCE	
8 days at \$32.00	256.00
ASSAYS	
23 samples at \$8.10	186.30
TRANSPORTATION	
4 x 4 Pickup	
5 days at \$30.00	150.00
TRAVEL	
Oct. 14/79 own car Vernon to Princeton	
20¢/mile x 140 miles = \$28.00	
Oct. 17/79 own car Princeton to Vernon	
20¢/mile x 140 miles = \$28.00	
TOTAL TRAVEL	56.00
REPORT AND MAP PREPARATION	<u>500.00</u>
<u>TOTAL COSTS</u>	\$3,544.80 =====

Herrick Enterprises LTD.

Box 156
Princeton, B.C.
VOX1W0

Oct. 16 79

Grande Trunk Resources Inc.

630-470 ~~and~~ Granville St.

Vancouver, B.C.

Oct. 12 6 hrs. loaded at \$43.00 per hr. 258 00

Oct. 15 6 1/2 hrs cut work at \$48.50 per hr. 315 25

Oct. 16 4 1/2 hrs cut work at \$48.50 per hr. 218 25

Oct. 17 6 hrs. loaded at \$43.00 per hr. 258 00

TOTAL \$1049 50

ADVANCE 1600 00

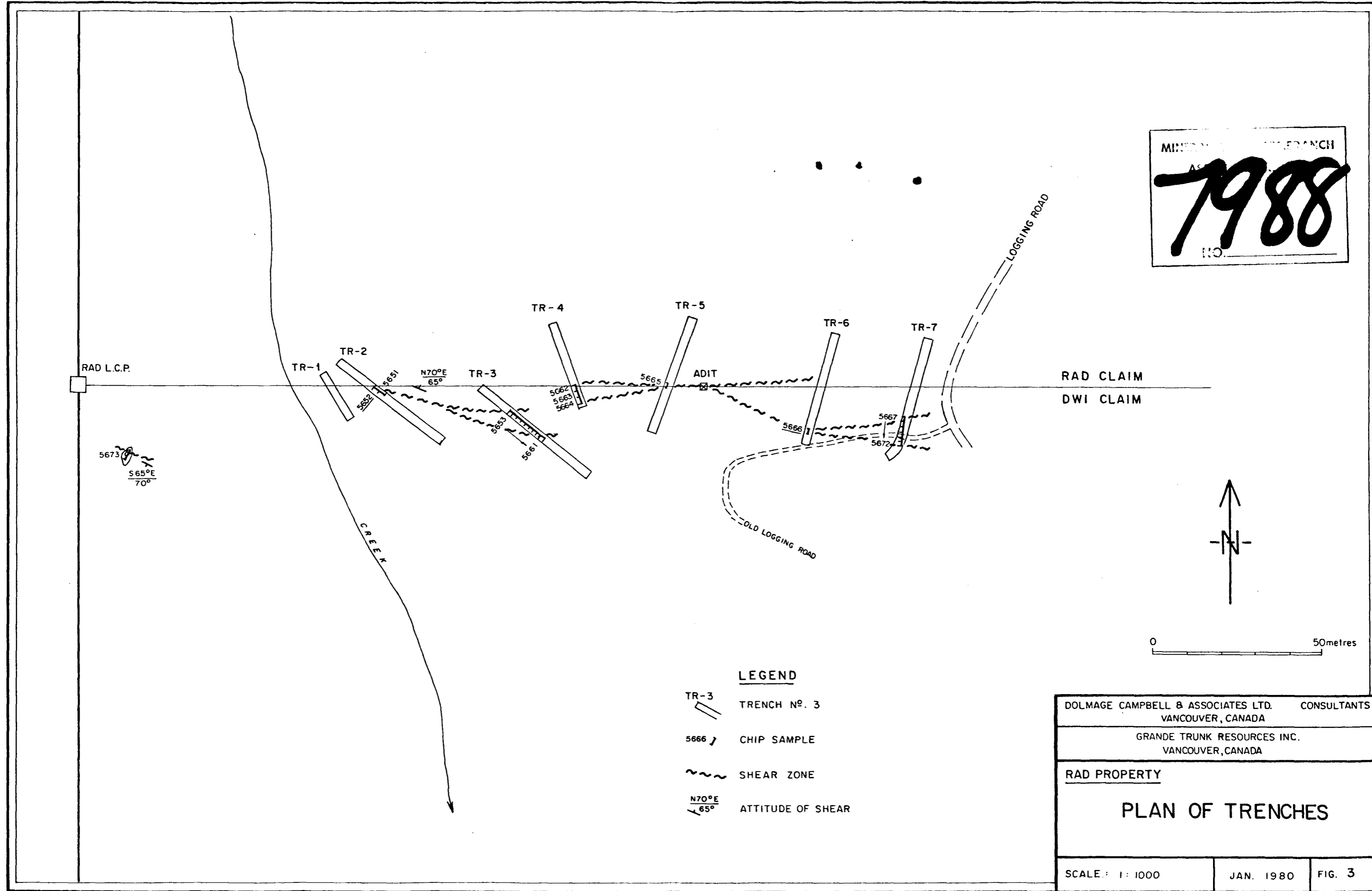
CLIENT Grande Trunk Resources Ltd.
PROJECT Bad Property
COST GROUP 11.2 Trenching
APPROVED _____

[Handwritten signature]

Balance owing \$49 50

4885

MINERAL CLAIM NO. **7988** BRANCH



LEGEND

- TR-3 TRENCH NO. 3
- 5666 CHIP SAMPLE
- ~~~~ SHEAR ZONE
- N70°E / 65° ATTITUDE OF SHEAR

DOLMAGE CAMPBELL & ASSOCIATES LTD. CONSULTANTS VANCOUVER, CANADA	
GRANDE TRUNK RESOURCES INC. VANCOUVER, CANADA	
RAD PROPERTY	
PLAN OF TRENCHES	
SCALE: 1:1000	JAN. 1980 FIG. 3