

**GEOLOGICAL REPORT**

**ON THE**

**PAR II CLAIM (15 UNITS)**

**Alberni Mining Division  
Parsons Creek, B.C.  
N.T.S. Ref. 92 F/2**

**Latitude 49° 02' North  
Longitude 124° 43' West**

**RECORDED OWNER - TORO RESOURCES LIMITED**

**OPERATOR - TORO RESOURCES LIMITED**

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**14,520**

**M.P. DICKSON, P. Eng.**

**ADTEC MINING CONSULTANTS INCORPORATED**

**811 - 543 Granville Street**

**Vancouver, B.C. V6C 1X8**

**(604) 669-4545**

**June 17, 1985**

Victoria

15-11-14520



Province of British Columbia

Ministry of Energy, Mines and Petroleum Resources

ASSESSMENT REPORT  
TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S) <b>PROSPECTING</b>	TOTAL COST \$1,231.00
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AUTHOR(S) **N.P. Dickson, P. Eng.** SIGNATURE(S) *[Signature]*

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED **June 17, 1985** YEAR OF WORK **1985**

PROPERTY NAME(S) ~~XXXXXXXXXX~~ **PAR**

COMMODITIES PRESENT ~~XXXXXXXXXX~~

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN

MINING DIVISION **Alberni** NTS **92 F/A ZE**

LATITUDE **49° 00.5' N** LONGITUDE **124° 43.5' W**

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property [Examples: TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)]:

**PAR** (15 Units)

OWNER(S)  
(1) **Toro Resources Limited** (2)

MAILING ADDRESS  
**311-543 Granville St.  
Vancouver, B.C. V6C 1X8**

OPERATOR(S) (that is, Company paying for the work)  
(1) **Toro Resources Ltd.** (2)

MAILING ADDRESS **as above**

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):  
~~North-northwest trending volcanics of Vancouver Group, Karmutsen Formation  
earliest basaltic andesite, dacite, rhyolite, andesite, breccia and tuff.  
Upper Triassic intrusions, rhyolite, andesite, dacite, and tuff.  
Upper Triassic intrusions, rhyolite, andesite, dacite, and tuff.~~

*Intermediate, fine grained flows of the Karmutsen Fm. form steep cliffs along the north-western boundary of the Par 2 claim. No mineralization was discovered during 6 1/2 property examination.*

REFERENCES TO PREVIOUS WORK  
**Hawkins, T.E.G. & Willoughby, H.O., Preliminary Report on Par 2 Claim, Sept. 22/83, Dickson, N.P. Report on Exploration, Par 2 Claim, June 13/84**

*Sept 4 1985, 14520*

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	COST APPORTIONED
GEOLOGICAL (scale, area)	<del>1231.00</del>	<del>PAK 2 II</del>	<del>1231.00</del>
Ground			
Photo			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for ....)			
Soil			
Silt			
Rock			
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralogic			
Metallurgic			
PROSPECTING (scale, area)	PROS 125000 (0.5 km <sup>2</sup> )	PAK 2 II	1231.00
PREPARATORY/PHYSICAL			
Legal surveys (scale, area)			
Topographic (scale, area)			
Photogrammetric (scale, area)			
Line/grid (kilometres)			
Road, local access (kilometres)			
Trench (metres)			
Underground (metres)			
TOTAL COST			1,231.00

FOR MINISTRY USE ONLY	NAME OF PAC ACCOUNT	DEBIT	CREDIT	REMARKS:
Value work done (from report) 1231.00				<i>extremely vague report</i> Proper name of claims is Par 2 - not Par II as referred to in report (checkal & Titles). Certificate lacks engineer's stamp Fig 3 - geol map should be more detailed in the rock descriptions - in volcanic rocks should be identified Information Class (4) Text is extremely vague and poorly describes rocks.
Value of work approved 1231.00				
Value claimed (from statement) 1500.00	Toro Resources Ltd			
Value credited to PAC account 269.00		269.00		
Value debited to PAC account				
Accepted <i>RED</i> Date 24/4/86	Rept. No. 85-544-14520			

*Categorized to prospecting report due to insufficient data for a geological report.*

*and in most part identical to text in R 12735*

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Figure 1: Property Location

Figure 2: Topography and Claim Location Map

Figure 3: Geology Plan

## **INTRODUCTION**

The firm of Adtec Mining Consultants Incorporated was engaged to do a geological mapping of the northwest corner of the Par II claim to get a further understanding of the geology of the property and to fulfill assessment work for the 1982 year.

The work was performed by the author, M.P. Dickson, P. Eng. between June 14th and June 17th, 1984 and consisted of geological mapping. Lines were run by pace and compass using the legal corner post and the north claim boundary as markers (Figure 3).

Six rock specimens were collected for further study in the office by binocular microscope.

Access was by foot on a much overgrown logging trail leading up to the northwest corner of the claim block. This road has a good base, but is overgrown and bridges have either rotted or been washed out.

## **LOCATION**

The Par II claim is situated 25 kms south of Port Alberni on Vancouver Island in the Alberni Mining Division at latitude  $49^{\circ} 02'$  North, longitude  $124^{\circ} 43'$  West on N.T.S. map 92 F/2 (Figure 1).

## **PHYSIOGRAPHY**

The property lies in very steep, rugged and forested terrain. Clearings are minimal but some do occur throughout the property, but particularly at the highest elevations.

## **CLIMATE**

Rain forest conditions exist with snow, although winter temperatures are usually moderate.

## **ACCESS**

Although the old logging road used this year is quite passable by foot, helicopter is really the only practical means of further exploring the remainder of the property at present.

## **PROPERTY**

The Par II claim consists of 15 units. The legal corner post is situated on Parsons Creek on the northwest corner of the group. Record number and date are 1786, June/83.

## **HISTORY**

Although some work is recorded for the years between 1930 and 1940 on the Parsons Creek copper occurrence just north of the north boundary of the property, there is very little on-record for the subject claim group.

From 1963 - 1965, Gunnex Ltd. carried out silt sampling and prospecting. Although anomalous values were found in the creeks no follow-up work was ever conducted on the Par II ground to the author's knowledge.

In September of 1983, the property was visited by G. Hawkins, P. Eng. and N. Willoughby of MPH Consulting Limited. A preliminary geological investigation was carried out with the intent of providing base maps, history, geology and assessment of the properties mineral potential. This work is recorded in their report of September 22, 1983.

In June of 1984, Adtec Mining Consultants Inc. carried out a small program of prospecting, geochemical soil survey (20 samples) and geological mapping. The results of this work are documented in their report of June 13, 1984 and were filed as assessment work for the previous year.

## **ECONOMIC ASSESSMENT**

Past work has located very interesting, although narrow, bands of sulphides carrying good, but spotty, silver values on the adjoining Par I claim to the north. Silt sampling of the property has indicated other anomalous targets similar in magnitude to this on the Par I claim.

Recent cursory mapping by M.P.H. Consulting Limited has indicated that the Sicker Formation, which hosts sulphide and vein type deposits on Vancouver Island, may skirt the eastern boundary of the claim group.

The former producing Thistle Mine (2,667 ozs. Au, 1,667 ozs. Ag, 626,556 lbs. Cu) located 12 kms northeast of the property is now believed to be a volcanogenic massive sulphide deposit.

The work carried out in June of 1984 by Adtec in the northeast area of the claim located narrow shears in the creek beds with minor amounts of quartz with accompanying trace amounts of sulphide. These indicate that somewhat similar structures do exist on the property to that found north of Parsons Creek and in the surrounding area in general.

## **GEOLOGICAL MAPPING**

Geological mapping was carried out in the northwest corner of the claim block by the author by pace and compass survey.

The area covered represents a block of ground running 500 metres south from the legal corner post and 1000 metres east for a total area of some 50 hectares.

It was originally intended to run the lines further south from the north claim boundary, but steep, rugged cliffs were encountered at the 450 metre mark and it was felt that areas south of that point could be covered much easier and more safely by use of helicopter from higher ground.

True outcrop along Parsons Creek and for some 300 metres south of the creek is almost non-existent. The creek bed itself is strewn with a preponderance of quartz-diorite and diorite boulders. This phenomenon can probably best be explained by the fact that diorite occupies the part of the claim east of the northwest tip of Parsons Lake as discovered during mapping in 1984.

However, part of the creek bed and banks may be underlain by diorite as the author saw diorite in contact with volcanics in an outcrop on the south bank of Parsons Creek, some 300 metres west of the northwest tip of the claim. So, in view of this, it would seem that small intrusions of diorite likely occur in the volcanics west of the diorite contact at Parsons Creek.

Almost immediately back from the creek bed, the ground slopes at approximately 35° and continues to do so for some 400 metres until it steepens up abruptly to almost vertical at the foot of the steep cliffs.

This section south from the north claim boundary to the steeper cliffs is strewn with boulders up to 200 tons in size. These obviously, for the main part, have come off the steep bluffs above and rolled down the hill. A fairly shallow soil covers most of this debris, except for the largest boulders, and supports trees that measure up to 4 metres in diameter in the original forest.

Most of the boulders examined are similar in rock type to that on the cliff faces.

According to government geological reports, the property should be underlain mainly by north-northwest trending volcanic rocks of the Vancouver Group, Karmutsen Formation.

The Karmutsen is made of dark green basalt, andesite volcanics, pillowed volcanics, breccia and tuff. These rocks in general are relatively undeformed.



In the area mapped, the author examined several boulders in the general area as well as most of the rock outcrops along the cliff faces. Most of the rocks examined appear to be fine grained, medium greyish-green in colour, highly fractured and are possibly intermediate flows.

No definite attitude or contacts were noted. The cliff faces run in a N 60° E to N 80° E direction and dip about 80° to the north. This seems to be controlled by a joint pattern which has the overall above attitude.

Another joint plane runs at S 52° E and dips at 80° to west. Most of the creeks appear to follow these joints and the combination of the former and latter form the subsidiary drainage patten with many small waterfalls up to 30 metres in height.

Of particular interest to the author were flat slips up to 7 cms in width that strike N 50° E with a flattish dip to the south.

These contain mainly carbonate with inclusions of volcanics and are identical to those seen in the area to the east side of the claim in work the previous year. To date, sulphides have not been seen associated with these structures. The nature of these structures is uncertain, but they could represent contacts between successive flows.

The reader is further referred to accompanying Figure 3 for location of outcrop and geology map plan.

Further mapping of the above nature is required to reach a clearer understanding of the geology to guide future exploration and activities.

**ITEMIZED COSTS**

**Geological Mapping**

Geologist for 3.6 days @ \$185/day	\$	666
Vehicle rental		120
Gas for vehicle		35
Accommodation		90
Food		50
Ferry fare		38
Field supplies		<u>12</u>
Sub-Total	\$	<u>1,011</u>

**Report Writing**

0.4 days @ \$350/day	\$	140
Typing		25
Copying		4
Binding, etc.		6
Drafting - 3 hours @ \$15/hr		<u>45</u>
Sub-Total	\$	<u>220</u>

**GRAND TOTAL** \$ 1,231

**CERTIFICATE**

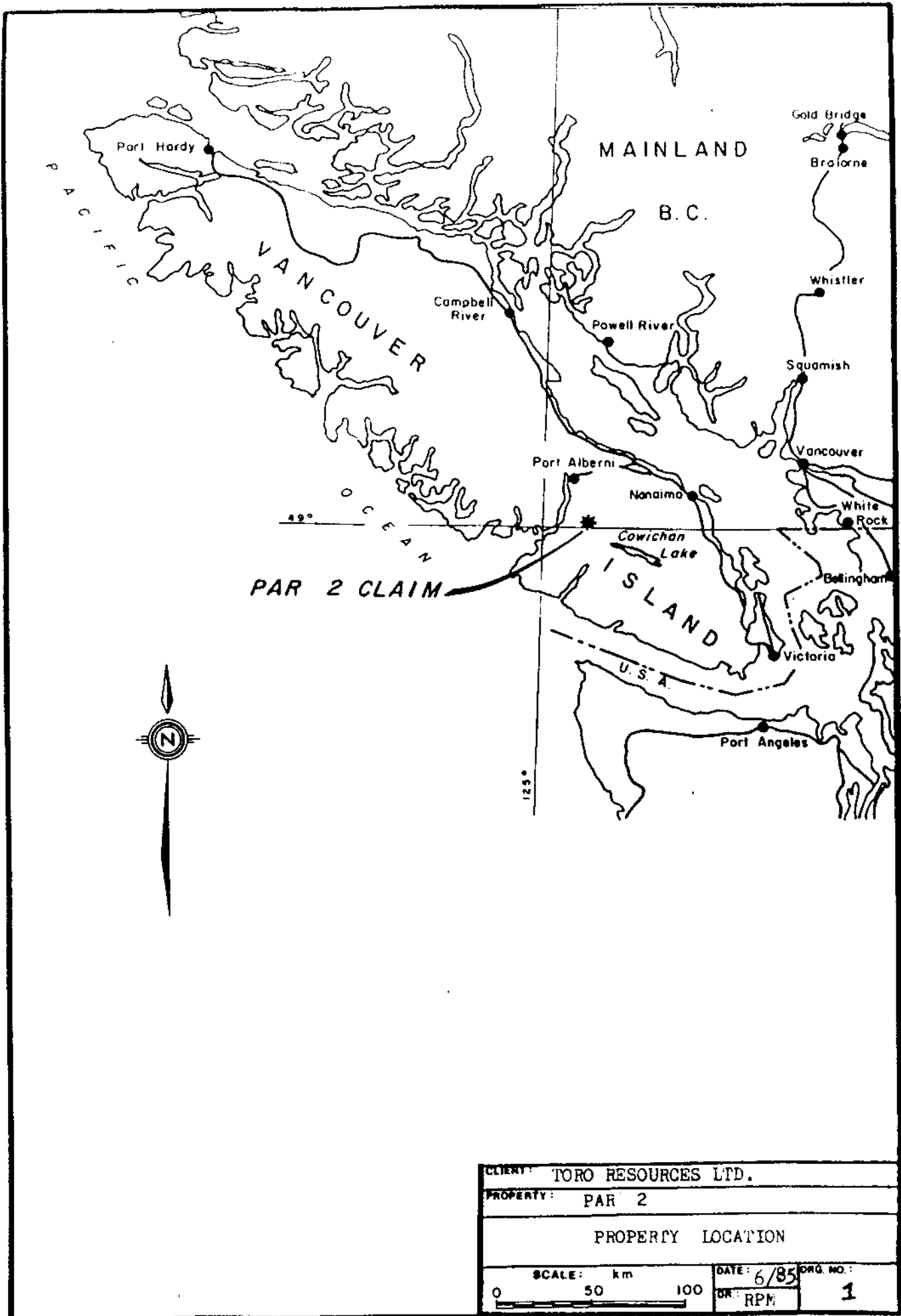
I, Melvin Plenny Dickson of 2731 Mathers Avenue, in the City of Vancouver, in the Province of British Columbia, Canada hereby certify as follows:

1. I am a graduate of Mount Allison University, Sackville, New Brunswick and hold a Bachelor of Science Degree in Geology.
2. I am a Registered Professional Engineer of the Province of British Columbia Registration No. 11456.
3. I have actively practised my profession on a full-time basis in mineral exploration, mine development, production, management and consulting since graduation in 1965.
4. That the information contained in this report is based on published and unpublished reports on the property, and work performed by the author on the property between June 14th and June 17th, 1985.

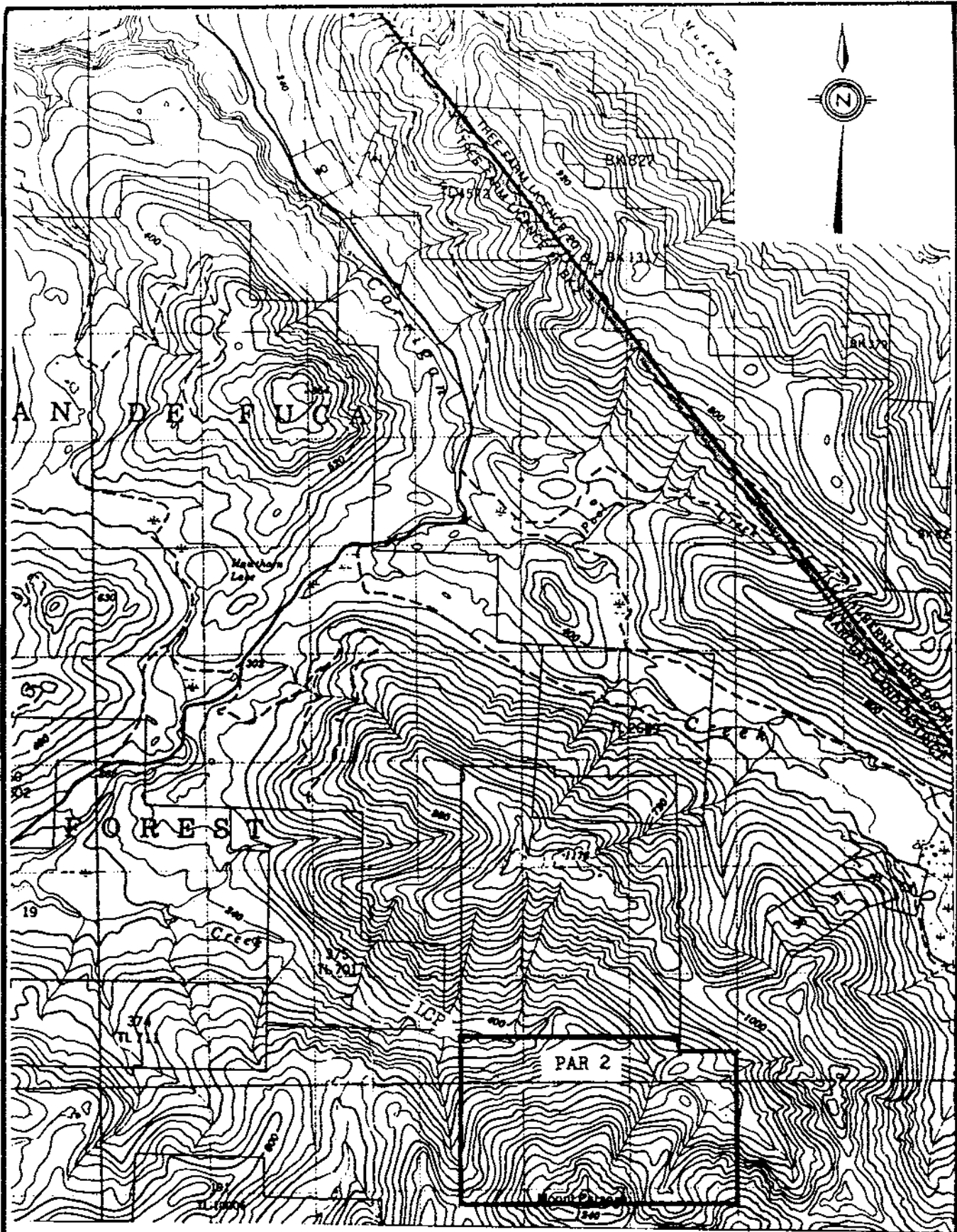
Dated at Vancouver, B.C., this 17th day of June, 1985.



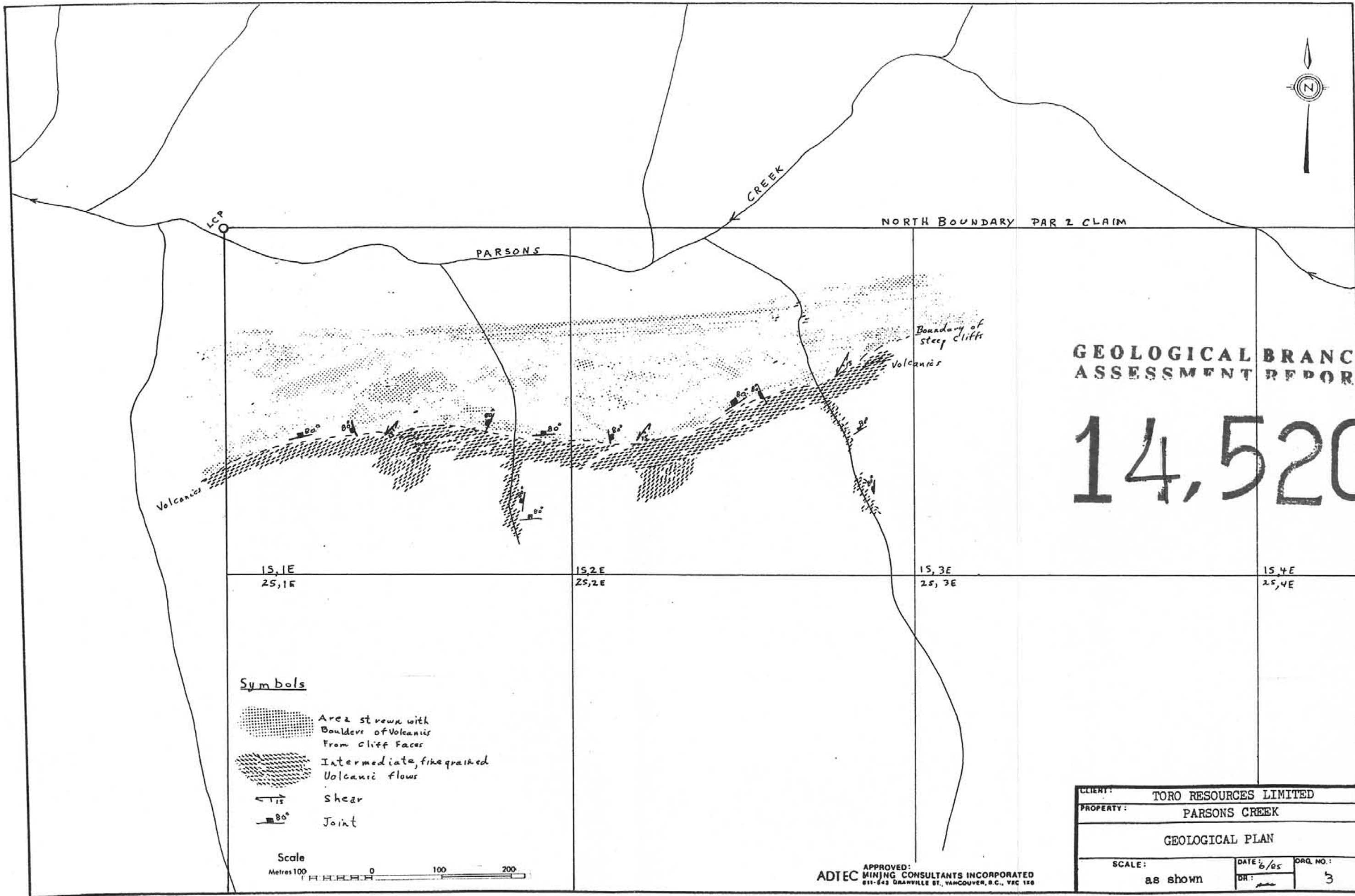
M.P. Dickson, P. Eng.



CLIENT: TORO RESOURCES LTD.	
PROPERTY: PAR 2	
PROPERTY LOCATION	
SCALE: km 0 50 100	DATE: 6/85 DR: RPM
	DRG. NO.: <b>1</b>



CLIENT: TORO RESOURCES LTD.	
PROPERTY: PAR 2	
TOPOGRAPHY & CLAIM LOCATION MAP	
SCALE: 1:1000	Metres
DATE: 6/85	DRG. NO.: 2
1000	RPM







**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**14,520**

15,1E 25,1E 15,2E 25,2E 15,3E 25,3E 15,4E 25,4E

Symbols

-  Area strewn with Boulders of Volcanics From cliff faces
-  Intermediate, fine grained Volcanic flows
-  Shear
-  Joint



APPROVED:  
**ADTEC** MINING CONSULTANTS INCORPORATED  
811-843 GRANVILLE ST., VANCOUVER, B.C., V6C 1K8

CLIENT:	TORO RESOURCES LIMITED		
PROPERTY:	PARSONS CREEK		
GEOLOGICAL PLAN			
SCALE:	DATE: 6/85	DRG. NO.:	
as shown	DR:	3	