

84-1458- 13234

12/85

ASSESSMENT REPORT
on the
ACILIS GROUP OF MINERAL CLAIMS
Kamloops Mining Division

Claims: Acilis 1; Record No. 5334 (12)
 Acilis 2; Record No. 5336 (12)
 Acilis 3; Record No. 5335 (12)

NTS: 92 I/11

Latitude: 50° 35'; Longitude: 121° 24'

Owner and Operator: ZONE PETROLEUM CORPORATION
 1280-700 4th AVENUE SW
 CALGARY, ALBERTA T2P 3J4

Author: J. S. Kermeen, M.Sc., P.Eng.
 Consulting Geological Engineer
 55 Whiteshield Crescent South
 Kamloops, B. C. V2E 1P3

Report No. C84-22

February 20, 1985

Kamloops, B. C.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

13,234

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SUMMARY AND CONCLUSIONS

The Acilis Group of mineral claims is underlain by alternating bands of fine-grained clastic metasediments and greenstone derived from andesitic volcanics.

No direct evidence of economic mineralization has been identified on the property. However, exploration to date has been inadequate to definitely assess the property and some further work is warranted.

RECOMMENDATION

- | | |
|--|------------|
| (1) Complete analyses on collected samples for gold, silver, copper, lead and zinc.
218 samples @ \$12 | \$2,600 |
| (2) Carry out geological mapping and prospecting on the existing grid of lines, as well as additional reconnaissance traverses on the remainder of the property as directed by outcrop patterns. | \$2,500 |
| (3) Provision for interpretation and reporting. | <u>900</u> |
| Total | \$6,000 |

Additional work will be contingent upon the results of the above-listed program.

INTRODUCTION

The Acilis Group of mineral claims owned by ZONE PETROLEUM CORPORATION . is located 18 kilometers SSW of Ashcroft, B. C.

In November, 1984, reconnaissance geological traverses were conducted over portions of Acilis 2 and 3 by Mr. Marc Bowles, B.Sc., geologist.

Subsequently, a grid of control lines was established over portions of Acilis 2 and 3 which provided control for a soil geochemical survey.

Control lines, soil sampling and logistical control were provided by Amex Exploration Services Ltd.

All field work was monitored by the writer in a consulting capacity.

MINERAL DISPOSITIONS AND OWNERSHIP

<u>Name</u>	<u>Record No.</u>	<u>No. of Units</u>	<u>Anniversary Date</u>
Acilis 1	5534 (12)	18	December 28, 1984
Acilis 2	5536 (12)	20	December 28, 1984
Acilis 3	5535 (12)	<u>15</u>	December 28, 1984
		53	

Total area = 1,325 hectares

The claims are owned outright by:

ZONE PETROLEUM CORPORATION

1280-700 4th AVENUE SW

CALGARY, ALBERTA T2P 3J4

LOCATION, ACCESS, TRANSPORTATION, POWER

The Acilis Group lies 18 kilometers SSW of the town of Ashcroft, B. C., in the KAMLOOPS Mining Division.

A secondary road proceeds west from the Trans Canada Highway from a point 14 kilometers south of the Ashcroft turnoff. Branches of this road and connecting bush trails provide four-wheel-drive access to much of the property.

Ashcroft is served by both the Canadian Pacific and Canadian National Railways.

Hydroelectric power is available within a few tens of kilometers of the property.

PHYSIOGRAPHY

The major topographic feature of the district is a north-south valley occupied by the Thompson River. The Acilis Group lies between three and seven kilometers west of this valley. The property covers part of a steep-sided mountain and part of the adjacent Venables Creek Valley which trends 150° . Elevations on the property range from 685 to 1,510 meters above sea level.

Except where cleared for agriculture or logging, the property is heavily treed with a variety of coniferous and deciduous trees.

HISTORY

The writer is not aware of any documented prior exploration work on the property.

DISTRICT GEOLOGY AND MINERALIZATION

The oldest rocks in the district are metasediments derived from siltstone and limestone of the Permian Cache Creek Group.

The Nicola Group of Triassic age also outcrops extensively in the area; it comprises volcanic rocks of andesitic to rhyolite composition interbedded with lesser amounts of argillite and siltstone.

Plugs and irregular masses of diorite and quartz diorite intrude both Cache Creek and Nicola rocks.

The property lies a few kilometers west of the Guichon Batholith which, in the Highland Valley 20 kilometers ESE of the property, hosts major copper - molybdenum porphyry-type deposits.

The Nicola Group volcanics host important gold-base metal deposits elsewhere in the district.

Numerous occurrences of copper, some with precious metal values, are known within the Cache Creek sediments; none have resulted in major production to date.

SUMMARY OF WORK DONE

- (1) Reconnaissance geological traverses were conducted as indicated on Map C84-22-2.
- (2) A grid of control lines was established by means of chain and compass making slope corrections; lines were marked with flagging and blazing; stations were marked at 50-meter intervals with Tyvek Tags.

Total line kilometers 10.9

- (3) Soil samples were collected in 4" x 12" kraft paper bags, from the B-horizon, at 50-meter intervals along each cross-line. Samples are being held in storage by Amex Exploration Services Ltd. for analysis when funds are available.

Total samples collected 218

DISCUSSION OF RESULTS

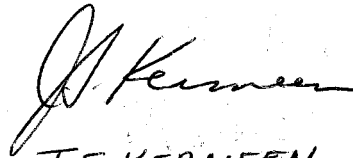
Geology

Mapping was hampered by a scarcity of outcrop and snow cover. Based on the limited observations made, it is tentatively concluded that the Acilis Group is underlain by alternating bands of fine-grained clastic metasediments and massive greenstone derived from andesitic volcanics. These strata appear to strike consistently NW-SE and dip southwesterly at moderate angles.

No significant mineralization was noted.

Soil Geochemical Survey

Collected samples should be analyzes for gold,
silver, copper, lead and zinc.



J.S. KERMEEN M.Sc. P.Eng.

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COST STATEMENT

(SEE FOLLOWING PAGES)

December 21, 1984

Zone Petroleum Corporation
1280-700 4th Ave. SW
Calgary, Alberta T2P 3J4

STATEMENT OF ACCOUNT

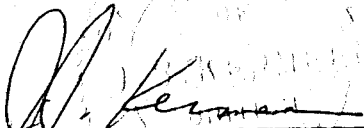
Re: Geological work on ACILIS 1-3 mineral claims, Red Hill area,
Ashcroft, B.C., Kamloops Mining Division.

Our Fees:

4 field days (all costs included) = \$ 1332.00

Total requested \$ 1332.00

Respectfully Submitted,


James S. Kermeen, M.Sc., P.Eng.
Consulting Geological Engineer



Zone Petroleum Corporation
1280-700 4th Ave. SW
Calgary, Alberta
T2P 3J4

December 21, 1984

STATEMENT OF ACCOUNT

Re: Grid preparation on ACILIS 1 (R/N 5334)
ACILIS 2 (R/N 5336) and ACILIS 3 (R/N 5335)
Mineral Claims, Red Hill area, Ashcroft, B.C.,
Kamloops Mining Division.

AMEX FEES

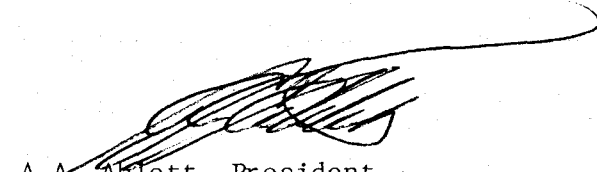
Grid Preparation

10.8 km @ \$375.00/km = \$ 4050.00

Total Requested, = \$ 4050.00

This work includes board, accommodation,
wages, profit, WC, UIC, CPP, HP, insurances,
vehicles, stationing, flagging, field supplies,
etc.

Respectfully submitted,


A.A. Ablett, President
Amex Exploration Services Ltd.

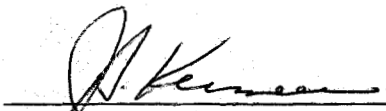
AAA/ca

PAID

CERTIFICATE

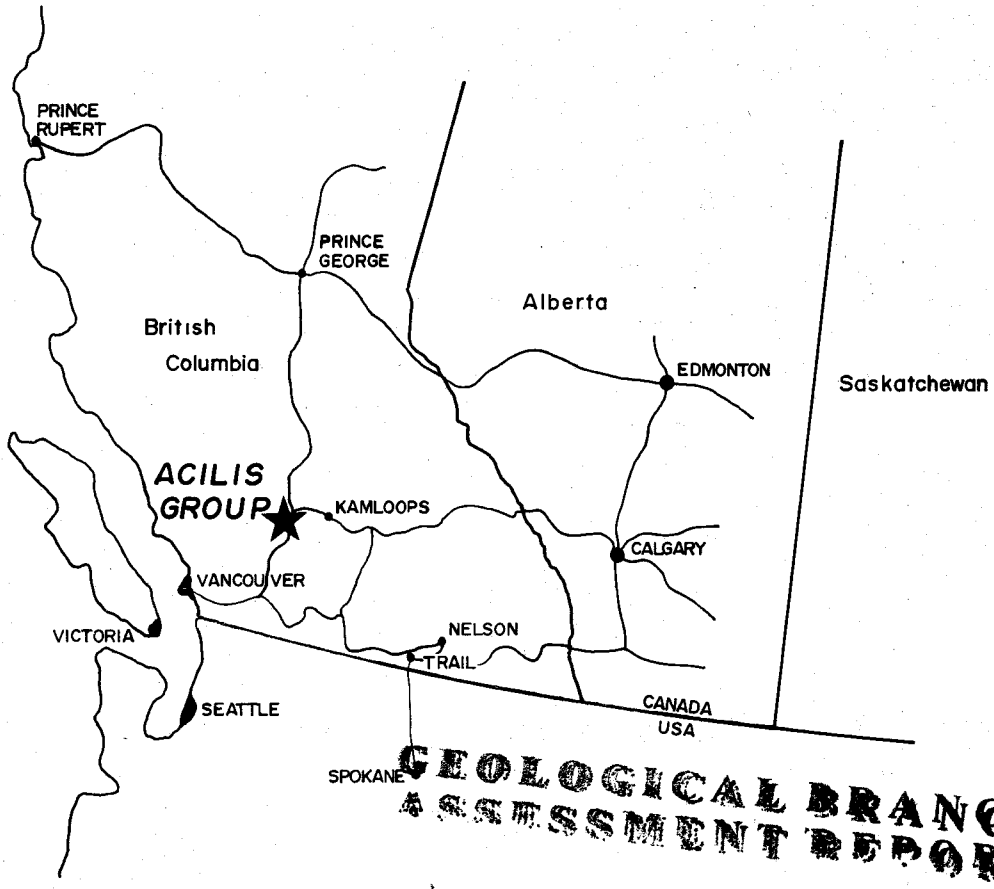
I, James Seaton Kermeen, do hereby certify:

- (1) That I am a Consulting Geological Engineer with offices at 55 Whiteshield Crescent South, Kamloops, British Columbia.
- (2) That I hold the following degrees from the University of Saskatchewan:
Bachelor of Science in Geological Engineering, 1951
Master of Science in Geology, 1955.
- (3) That I am a member in good standing of the Associations of Professional Engineers of British Columbia and Saskatchewan.
- (4) That the attached report on the Acilis Group of mineral claims is based on the results of field work carried out under my supervision; geological observations were made by Mr. Marc Bowles, B.Sc., geologist.
- (5) That I do not have nor do I expect to receive any interest, directly or indirectly, in the said Acilis Group of mineral claims or in any securities relating to the said Acilis Group of mineral claims.


James Seaton Kermeen

APPENDIX I

SOIL GEOCHEMICAL ANALYSES
(NO SOILS ASSAYED)



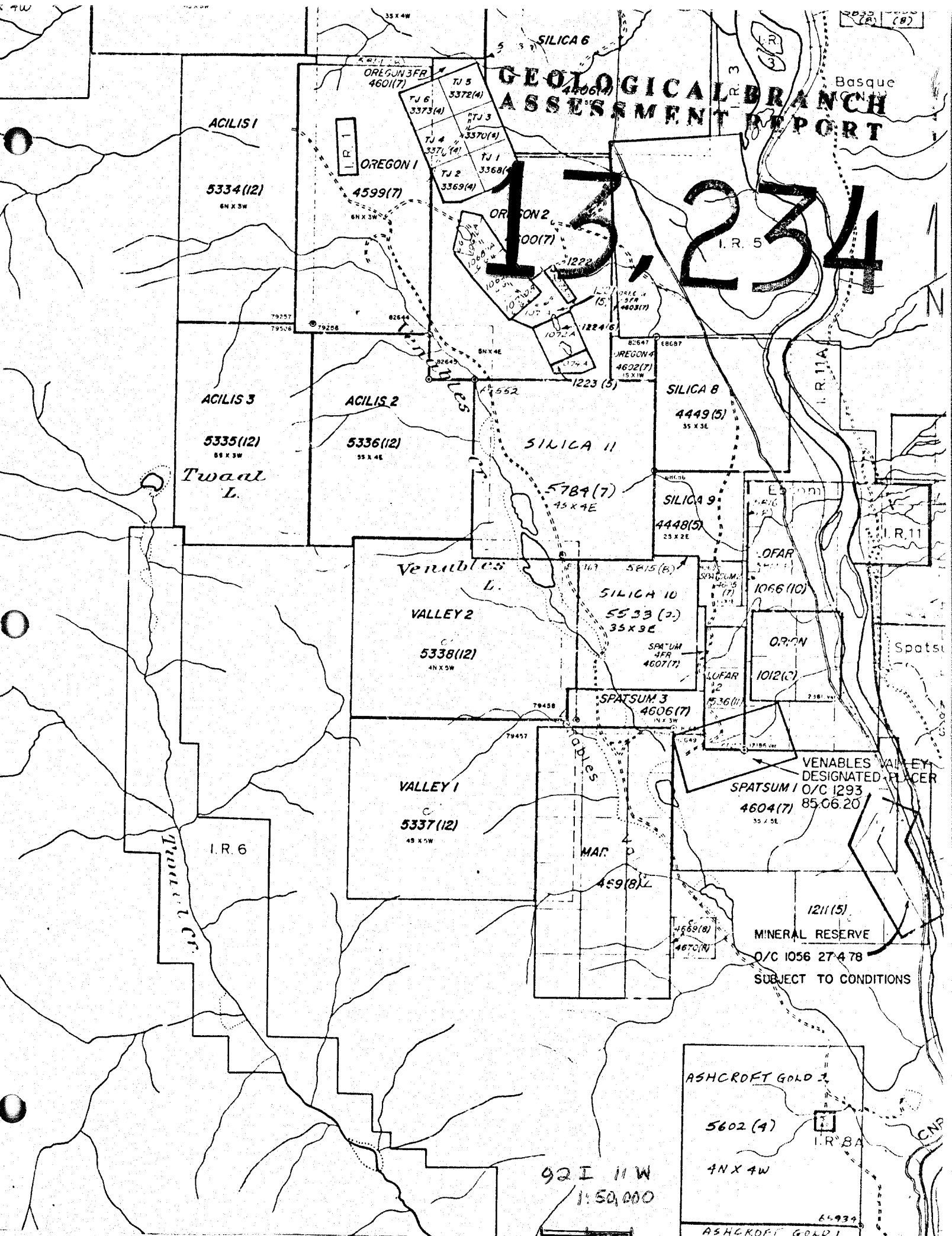
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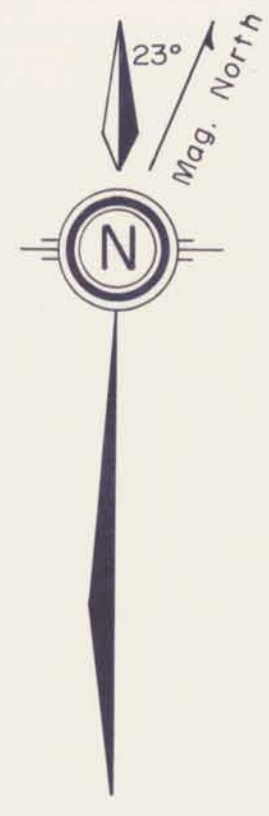
J.S. KERMEEN <small>INC. P. ENG.</small> CONSULTING GEOLOGICAL ENGINEER		
CLIENT: XXXXXXXXXX ZONE PETROLEUM CORPORATION		
PROJECT/PROPERTY: ACILIS GROUP		
TITLE: LOCATION MAP		
PREP BY:	N.T.S. No:	DATE DWN: 84-12
DWN BY: R.J.M.	AREA:	DATE REVISED:
SCALE:		DRAWING NO: C84-22-1

GEOLOGICAL BRANCH ASSESSMENT REPORT

Basque

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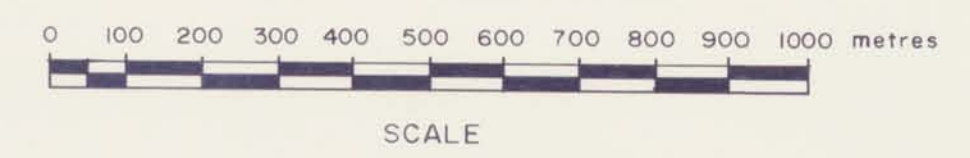


LEGEND

	Road
	Geological traverse line
	Creek
	Geological contact, assumed
	Area of outcrop
	Bedding, vertical, inclined, inclined with dip
	Cleavage, schistosity, dip unknown, inclined, inclined with dip

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

13,234



J.S. KERMEEN <small>W. Eng.</small> CONSULTING GEOLOGICAL ENGINEER			
CLIENT: SCHL <small>2000 TETRAPOLEUM CORPORATION</small>			
PROJECT/PROPERTY: ACILIS GROUP			
TITLE: PROPERTY		GEOLOGY	
PREP BY: M.B.	NTS No:	DATE DWN: 84-12	
DWN BY: P.J.M.	AREA: ADAMS PLATEAU / BARRIERE	DATE REVISED:	
SCALE: 1:2500	DRAWING NO: C84-22-2		