

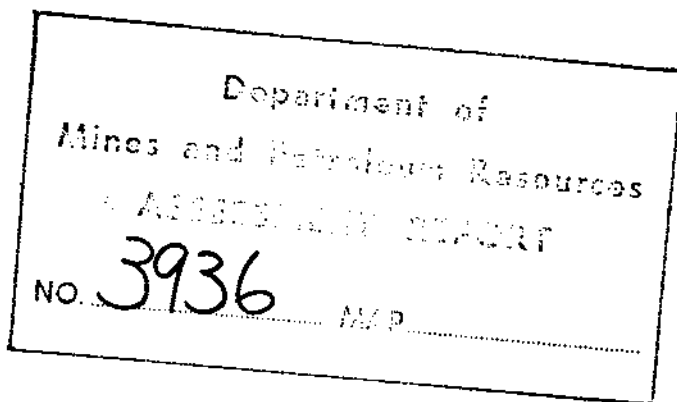
ADAR RESOURCES LTD.
MAGNETOMETER SURVEY
LO CLAIMS, SWAKUM MOUNTAIN
By: 921/7E
C.H. Donaldson, P.Eng.

3936

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REPORT ON
MAGNETOMETER SURVEY
OF
LO CLAIMS
SWAKUM MOUNTAIN
MERRITT AREA, B. C.
FOR
ADAR RESOURCES LTD.
BY
C.H. DONALDSON, P. ENG.

Vancouver, B.C.
November 9th, 1972.



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#1 Claim map

#2 Magnetometer Survey map

PART A

INTRODUCTION

The writer was requested by the directors of Adar Resources Ltd., of 330 - 850 West Pender St., to submit a report on the magnetometer survey recently completed and recorded as assessment work on the L0 1 - 12 mineral claims.

This report is submitted in support of the recorded assessment work for the issuance of the "Certificate of Work" under the Mineral Act of B.C.

SUMMARY AND RECOMMENDATIONS

The work was done between February 20, 1972, and March 28th, 1972, by Brent Oldheiser and assistants.

The readings were submitted to Siegel Associates Ltd. of Scintrex Ltd. for mapping and interpretation.

The results do not show any pronounced magnetic highs but do indicate lineations of the underlying rocks. Three lineations are shown on the map with a west-of-north strike which may indicate fault zones. Other zones, especially of low intensity, are noted with a north-easterly strike.

In the western section of the mid-portion of the grid an area of increased magnetic reaction is noted. The significance of these higher readings remains to be ascertained, as overburden obscures any visual geology.

No definite conclusions can be offered nor can any drill targets be submitted on the magnetic survey alone.

I recommend that the lines be extended both East and West and the following work be done:

PHASE I

(a) Magnetometer Survey

Extend lines 1 - 13, 500' East and 1000' West.

Extend line 14, 1000' East and 1000' West.

Conduct the magnetometric survey over the extended lines, taking readings at 100' spacing.

(b) Geochemical Survey

Carry out a geochem survey over the total length of all lines.

Take samples from the "B" horizon at 100' spacing along the lines.

Have all samples assayed from p.p.m. of copper, lead, zinc and tungsten.

(c) Electromagnetic Survey

Carry out an E.M. survey over the full length of all lines.

PHASE II

On completion of Phase I, there should be sufficient data available for setting out some preliminary percussion drilling: - possibly 5 - 400' holes.

COSTS

Phase I

(a) Magnetometric Survey

Line cutting:

13 lines @ 1500' }
1 line @ 2000' } = 21,500'

Say, 4 miles @ \$150.00/mile \$600 \$ 600

Truck rental, 3 days @ \$25.00 75

Camp, 2 men, 3 days @ 15.00 90

Travel 100

Labour: 2 men, 3 days @ \$40.00 240

505

Equipment rental 65 570

COSTS - Phase I - (Cont'd.)

(b) Geochemical Survey

576 samples to be taken @ \$1.50	\$ 864	
Truck rental, 15 days @ \$25/day	375	
Camp (2 men, 15 days @ \$15 (1 man, 3 days @ \$15 (casual))	495	
Travel	200	
Casual labour, 1 man 3 days @ \$40	120	
Assaying 576 samples @ \$4.80	<u>2,770</u>	4,824

(c) E.M. Survey

Truck rental, 10 days @ \$25.00	250	
2 days skidoo @ \$25.00	50	
Camp, 10 days, 2 men @ \$15.00	300	
Travel	150	
Instrument & equipment rental	150	
	<u>900</u>	
Survey 9 miles @ \$150.00/mile	1,350	<u>2,250</u>
		8,244
Engineering	1,200	
Draughting, printing, typing, etc.	<u>800</u>	<u>2,000</u>
		10,244
+ 15% contingencies ±		<u>1,456</u>
		<u>11,700</u>

Phase II

Percussion drilling:

5 - 400' holes = 2000' @ \$4/ft.	8,000	
Water haulage = @ \$1/ft.	2,000	
Bulldozer, 10 days @ \$200/day	2,000	
	<u>12,000</u>	
1 sampler, 10 days @ \$40	400	
Assaying	300	
Engineering	500	
Camp	150	
Truck rental, 10 days @ \$25	250	
	<u>13,600</u>	
+ 15% contingencies ±	<u>1,800</u>	<u>15,400</u>
		<u>\$27,100</u>

COSTS - Phase II - (Cont'd.)

On completion of Phase II, all the data to be correlated and Phase III set out. This to be covered by a separate report, but for the present it is advisable to allow for an I.P. survey and subsequent diamond drilling. The amount should be \$14,000 for the I.P. Survey and \$10,000 for diamond drilling, i.e. \$24,000.

PART B

INTRODUCTION

The magnetometer survey was carried out between February 20 and March 28, 1972, by B. Oldheiser of Mission, B.C. The assistants were G. Oldheiser of Ioco, B.C. and K. Oldheiser of Mission, B.C.

LOCATION & ACCESS

The survey was done on the mineral claims designated as LO 1 to 6 inclusive:-

<u>Claim</u>	<u>Record No.</u>
LO 1	43382
LO 2	42467
LO 3	43383
LO 4	42468
LO 5	43384
LO 6	42469

The claims are situated on Swakum Mountain in the South Western section of Highland Valley, B.C. at co-ordinates of approximately 50° 18' N. Latitude and 120° 41' W. longitude.

Access is from the settlement of Nicola, which is 6 1/2 miles East of Merritt on No. 5 Highway. At the Eastern edge of Nicola a dirt road turns off northerly through the Indian Reserve and continues about 15 miles to the property.

The claim group is at an elevation from 5300' to 5666'. The latter being the peak of Swakum Mountain.

GEOLOGY

The claim group is underlain by the Paleozoic Nicola Series of rocks of Upper Triassic Age. These consist chiefly of basalts, and esites, tuffs, limy tuffs, limestone and some conglomerates.

Six miles to the East the massive Highland Valley Guichon Batholith occurs and 3 miles to the East the Central Nicola Batholith is evident. Both

GEOLOGY - (Cont'd.)

batholiths contain copper deposits, but the Guichon is the more important.

The Nicola series on the claim group has been intruded by an unclassified igneous intrusion consisting of diorite, quartz diorite, granodiorite, quartz porphyry, etc. of the Jurassic Age.

Coincidental with the Jurassic intrusion, the Nicola strata was warped, folded, sheared and faulted; thus creating channels for mineralizing solutions.

WORK DONE

The magnetometer survey which was carried out between February 20 and March 28, 1972, was as follows:

A base line was run North from the Alameda shaft, with 13 lines run 1000' East and 1000' West from the base line at 300' intervals.

A 14th line was run East and West through the Mike shaft to the North.

Readings were taken at 100' intervals along the E-W lines.

The instrument used was a Sharpes M.F. 1 Fluxgate magnetometer. The digital readouts are accurate to ± 10 gammas.

All readings were corrected for diurnal fluctuations.

The crew consisted of 3 men: Party chief - B. Oldheiser; assistants G. Oldheiser and K. Oldheiser.

All crew members have had many years as technicians and technical assistants on mining exploration projects.

The readings were submitted to Seigel Associates Ltd. for mapping and interpretation. The enclosed map was prepared by them.

WORK DONE - (Cont'd.)

The costs of the Survey was as follows:

Labour: B. Oldheiser, 10 days @ \$60		\$ 600
G. Oldheiser, 10 days @ \$40		400
K. Oldheiser, 10 days @ \$30		300
Camp - board and room, etc.		<u>300</u>
		1,600
Magnetometer rental	\$100	
Truck rental, 10 @ \$25	250	
Mapping & interpretation	195	
Engineering	200	
Typing, etc.	<u>50</u>	<u>795</u>
		<u>\$2,305</u>

C. Donaldson



Declared before me at the

of

VANCOUVER, B. C. the

Province of British Columbia, this

NOV 20 1972

of

A. Huopli, A.D.
Sub - Mining Recorder

C. Donaldson

.....
A Commissioner for taking Affidavits within British Columbia or
A Notary Public in and for the Province of British Columbia.

REFERENCES

1. Geological Survey of Canada, Memoir 249 by W.E. Cockfield.
2. Report by Sherwin F. Kelly, P. Eng.
3. Map and interpretation by Seigel Associates Ltd.
4. Information from B. Oldheiser, Party Chief.

C E R T I F I C A T I O N


I, Clarence H. Donaldson, of the City of Vancouver, in the Province of British Columbia, hereby certify as follows:

- 1] That I am a Registered Professional Engineer of the Province of British Columbia and reside at Suite 101, Brentwood Apartments, 2050 Barclay Street, Vancouver 5, B.C.

- 2] That my mining experience embraces all phases of the mining industry and I have worked throughout Canada, Australia, South Seas and parts of U.S.A. and Mexico.

- 3] That I have no interest either directly or indirectly in the claims or securities of Adar Resources Ltd., nor do I expect to receive any.

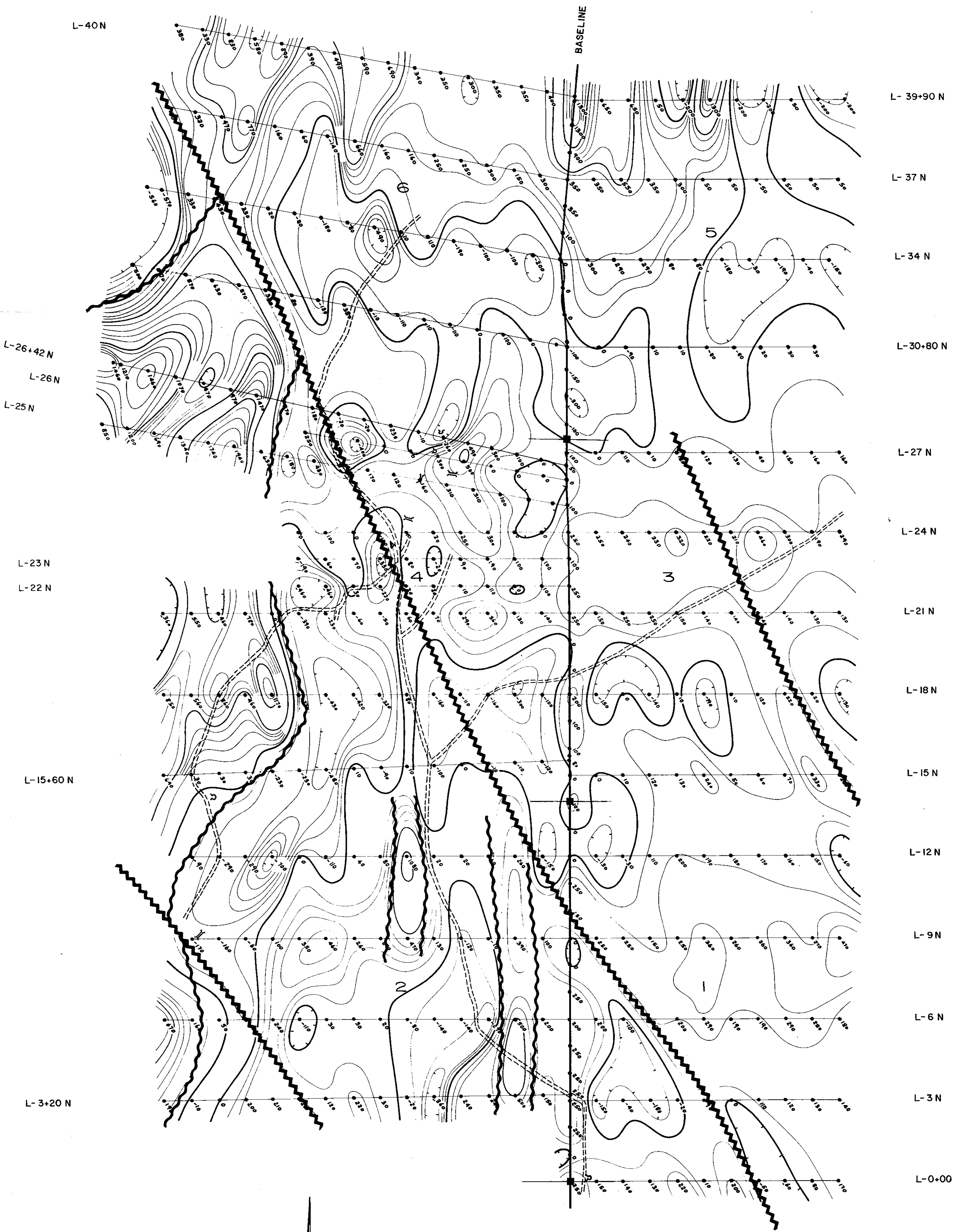
- 4] That the information contained herein was obtained from perusal of the reports as listed in "References", as well as a personal knowledge of the area.


C.H. Donaldson, P. Eng.

Vancouver, B.C.

November 9th, 1972.



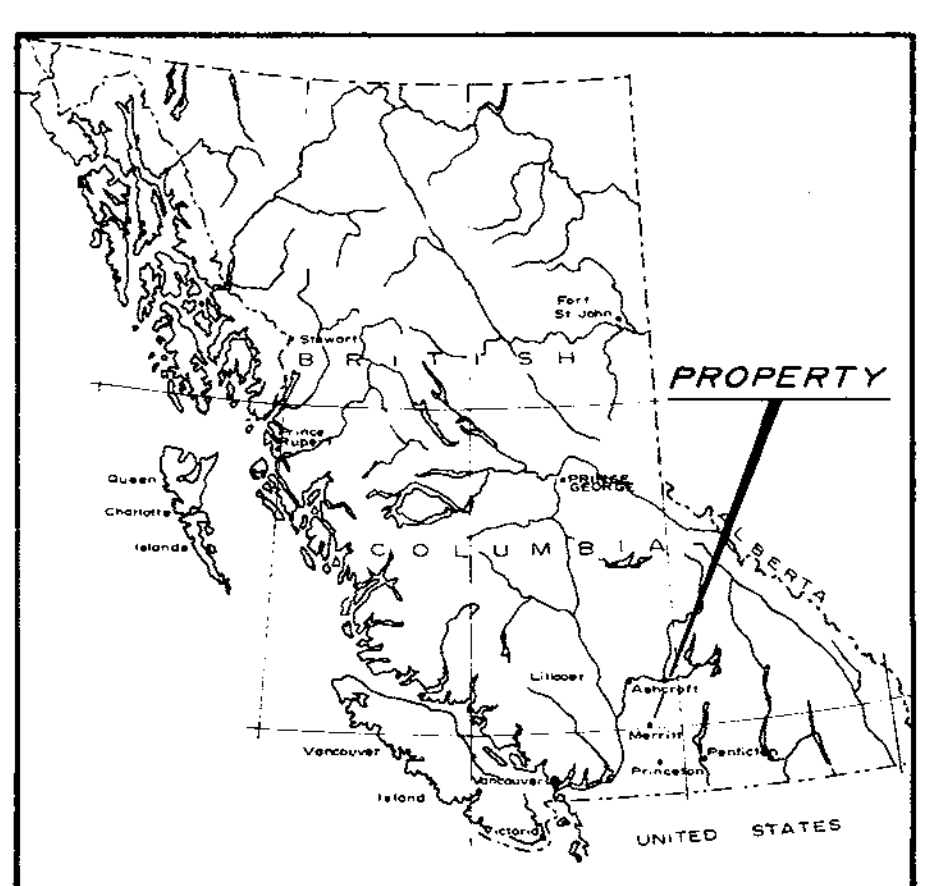


LEGEND

MAGNETIC CONTOURS

- GAMMA CONTOUR LINE
- 500 GAMMA CONTOUR INTERVAL
- 100 GAMMA CONTOUR INTERVAL

INTERPR. FAULT
 INTERPR. MAGNETIC CONTACT



3936 M-2

ADAR RESOURCES LTD.
 LO GROUP
 SWAKUM MTN., MERRIT B.C.
 LO 1-6

Donaldson

SCALE 1" = 200'

Department of
 Mines and Petroleum Resources
 ANNUAL REPORT
 NO. 3936 A.P. #2



39.36 M-1

Department of
Aines and Petroleum Resources
ASSESSMENT REPORT

3936 MAP #1