820288

GEOCHEMICAL REPORT
LIZARD HEAD CLAIMS
KAMLOOPS, M.D.
NTS 92P 16
KERR ADDISON MINES LTD.
JAN./79 J.W. MURTON, P. Eng.

GEOCHEMICAL REPORT ON THE

LIZARD HEAD CLAIMS - 1, 2, & 3

KAMLOOPS, M.D.

NTS 92 P 16

LAT. 51° 46' - LONG. 120° 15'

ON BEHALF OF

KERR ADDISON MINES LTD.

703 - 1112 W. Pender St.

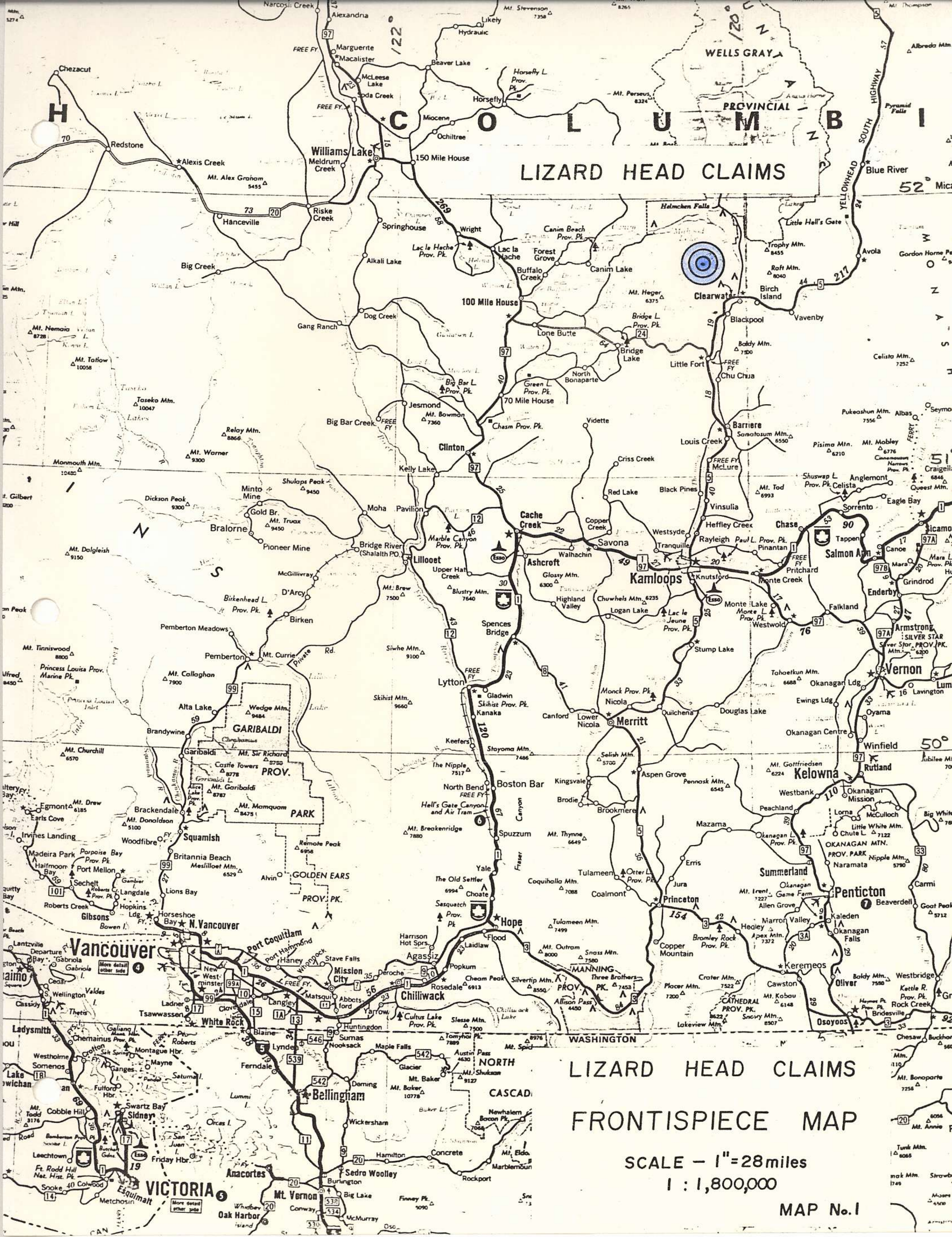
VANCOUVER, B.C., V6E 2S1

by

J.W. MURTON, P. Eng.
January 1979

TABLE OF CONTENTS

LIST OF ILLUSTRATIONS


LIZARD HEAD CLAIMS
LIZARD HEAD CLAIMS
FRONTISPIECE MAP
SCALE – 1" = 28 miles
1 : 1,800,000
MAP No. 1
C O L U M B I
WELLS GRAY PROVINCIAL
Williams Lake
150 Mile House
100 Mile House
Clearwater
Birch Island
Blue River
Avola
Little Fort
Barriere
Clinton
Cache Creek
Ashcroft
Kamloops
Savona
Lillooet
Lytton
Merritt
Salmon Arm
Vernon
Kelowna
Penticton
Princeton
Hope
Chilliwack
Vancouver
N. Vancouver
VICTORIA
Bellingham
WASHINGTON
GARIBALDI PROV. PARK
MANNING PROV. PK.
52°
50°

INTRODUCTION

The area of the Lizard Head claims was covered by reconnaissance silt geochemistry in the spring and early summer of 1978 as part of a uranium program initiated to identify potential source areas of primary uranium.

Several silt samples were found to be anomalous in molybdenum, and check sampling at a later date revealed further anomalous samples, and one piece of float in a creek containing a narrow silicious vein with minor molybdenite, and abundant hydrothermal biotite.

LOCATION AND ACCESS

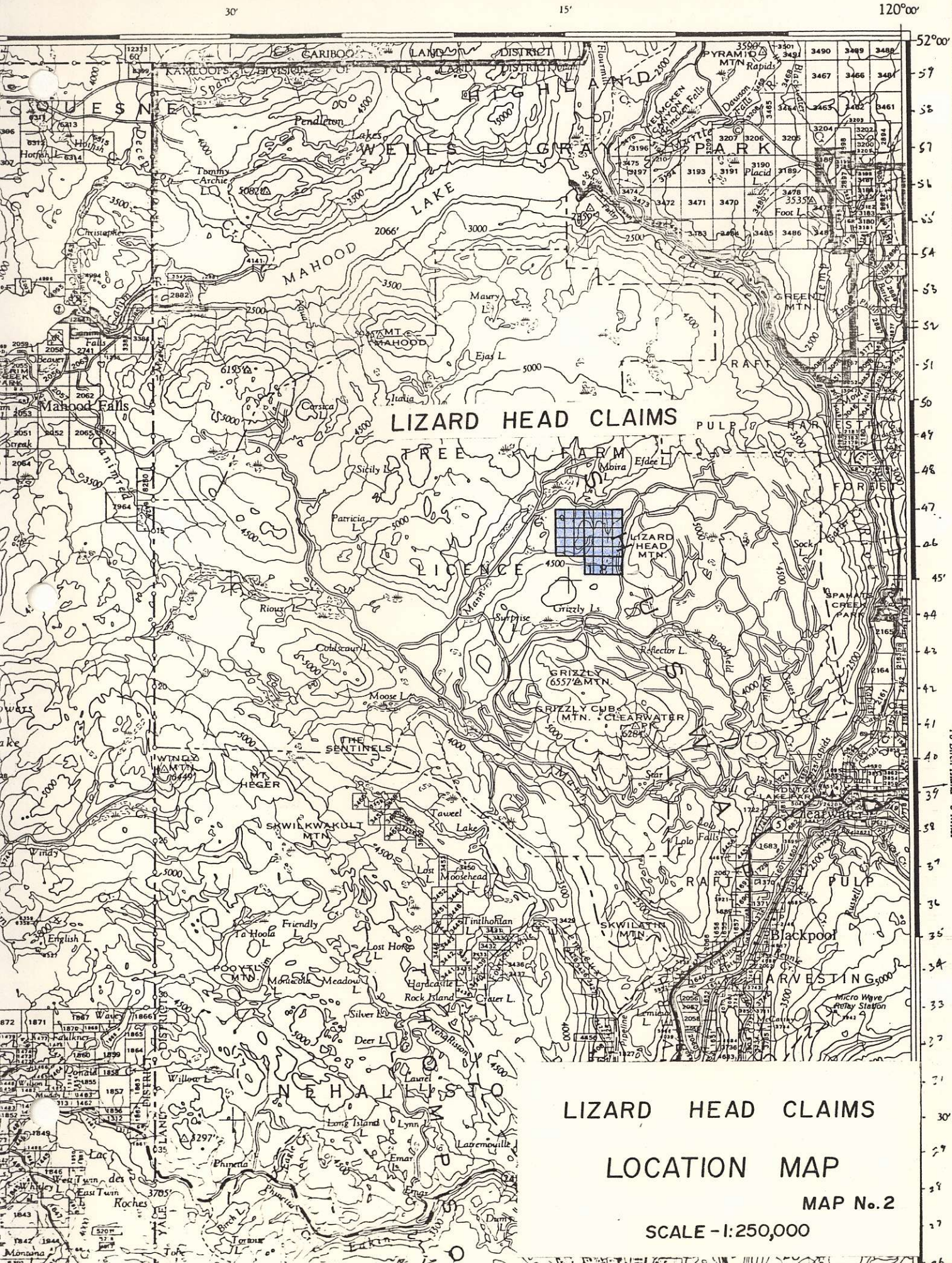
The Lizard Head claims are located in the Kamloops area, 20 km. N45° W from Clearwater, B.C., at Lat. 51° 46' and Long. 120° 15', and NTS 92 P 16. Elevation in Mann Creek Valley is 3900' (1218 m.)

Access is by logging road from Clearwater, with travel permission available at Clearwater Timber Products #2 Sawmill, one mile west of Dutch Lake. From Camp #2, logging road #2 is followed to mile 17½, and then turn north on Road 6 to Road 141, a distance of three miles. The claims lie on Road 141 at Mile 3. All roads are accessible by 2 wheel drive.

CLAIMS

The Lizard Head claims consist of:

			Recording Date
Lizard Head #1	Record #1379 (8)	15 units	Aug. 25/78
Lizard Head #2	Record #1380 (8)	20 units	Aug. 25/78
Lizard Head #3	Record #1381 (8)	8 units	Aug. 25/78
	Total	43 units	

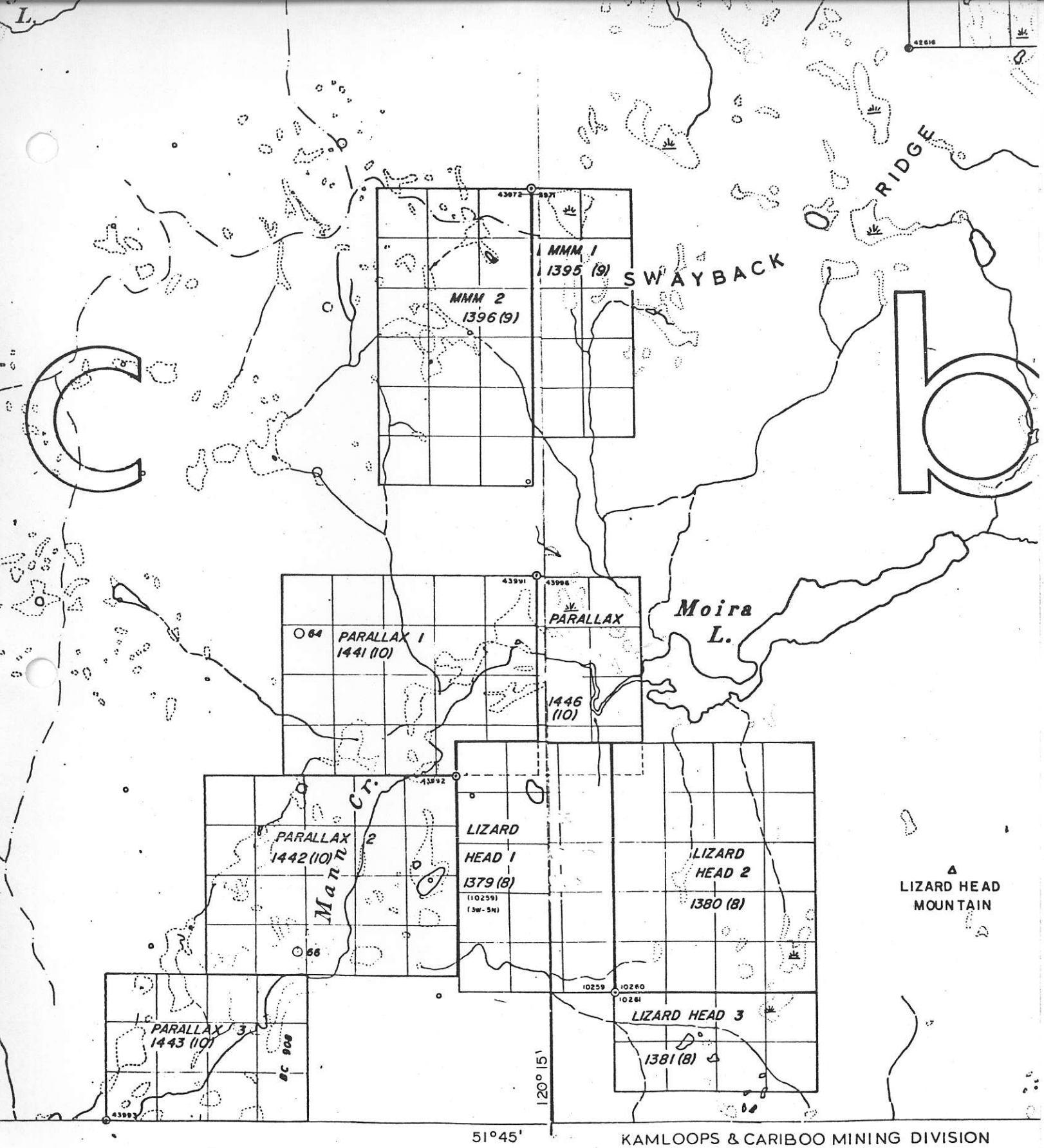


LIZARD HEAD CLAIMS

LOCATION MAP

MAP No. 2

SCALE - 1:250,000



KAMLOOPS & CARIBOO MINING DIVISION

International Boundary — Bridge

LIZARD HEAD CLAIMS MAP

SCALE - 1:50,000

MAP No. 3

All claims are owned by Kerr Addison Mines Ltd., Vancouver, B.C., and lie in the Kamloops Mining Division.

GEOLOGY

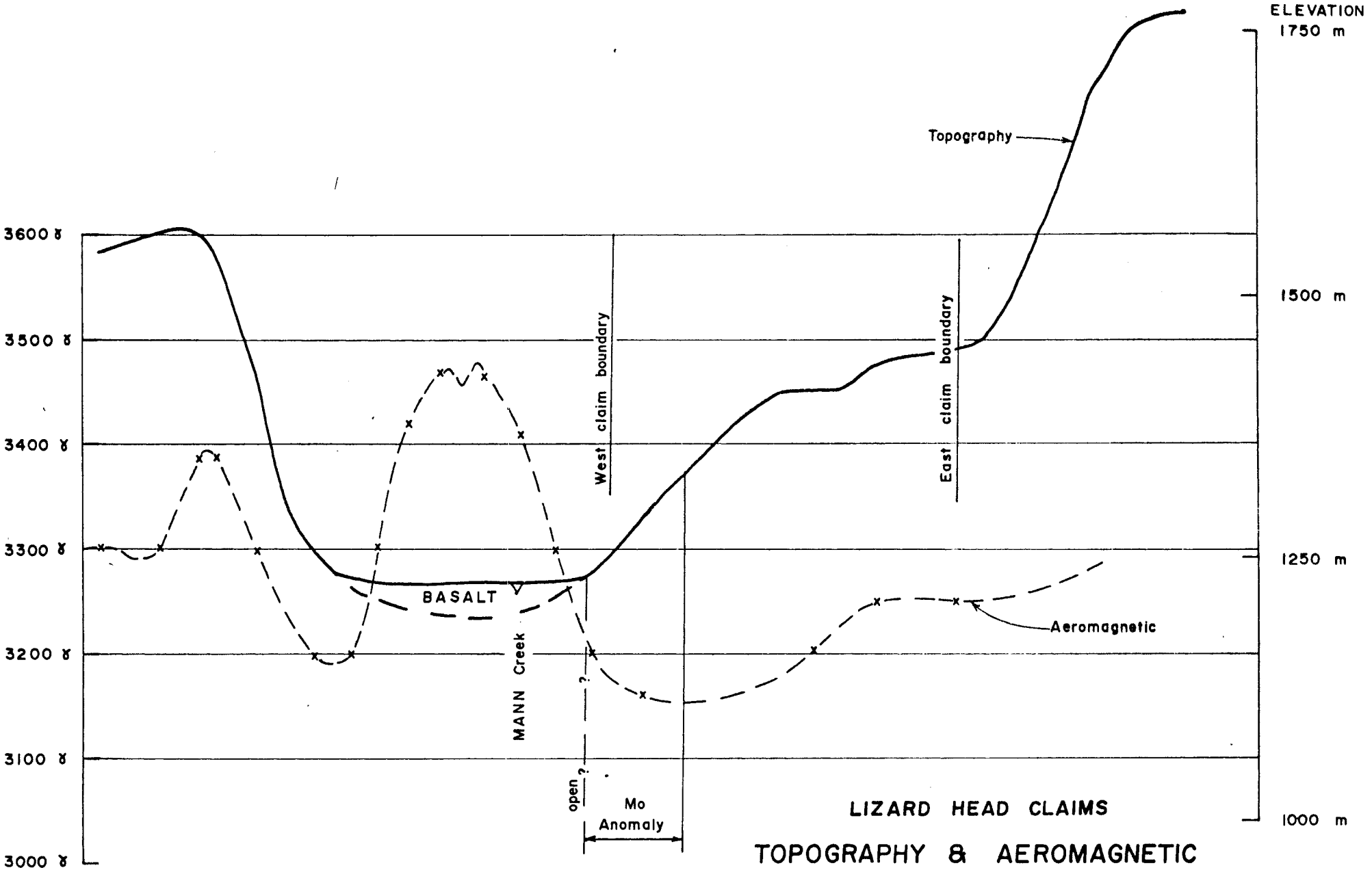
The Lizard Head claims are staked entirely within the Raft batholith of Cretaceous age, and granodiorite to quartz monzonite to granite composition.

An area of o/c was located while staking the claims, in the north central part of the property near OBL @ 3000 N, and several specimens collected. These are of quartz monzonite composition: equigranular, slightly K - Feldspar porphyritic, clear quartz 20%, plagioclase feldspar 30%, orthoclase feldspar 40%, biotite 9%, magnetite 1%. No alteration was noted in the specimens.

A piece of angular float was located in a creek at 1100 N, 200 W, in the followup silt sampling program. This float is of quartz monzonite composition, and is cut by several directions of fractures from hairline to 1 cm in width, that have been healed by quartz, containing hydrothermal biotite and slight molybdenite.

Time did not permit a program of geological mapping, but it was felt that initially, a geochemical program would indicate whether we wished to continue work on the ground.

Immediately to the west of the claims in the valley bottom of Mann Creek, Miocene - Pliocene basaltic lavas occur. These do not outcrop in the vicinity of the claims, but airborne magnetics indicate their presence.



LIZARD HEAD CLAIMS

TOPOGRAPHY & AEROMAGNETIC X-SECTION 1600 N

Looking North

SCALE – 1:50,000

MAP No. 5

Specimens of the flows were collected, three miles south west of the claims and indicate abundant (30%) grey white feldspar laths (probably plagioclase) with 5 - 10% olivine and pyroxene? phenocrysts and slight magnetite, set in a very fine grained grey-brown matrix. The flows are probably Pliocene, and do not appear to have any underlying sediments.

Glaciation is approximately from north to south on the property.

A series of arcuate lineaments are apparent from air photos, and these lineaments are superimposed on the geochemical map. No features are apparent south of the E - W lineament along the road nor to the east of the map. These lineaments appear to be unique to the area of the claims, and may be cut off by block faulting which is prevalent in the general area.

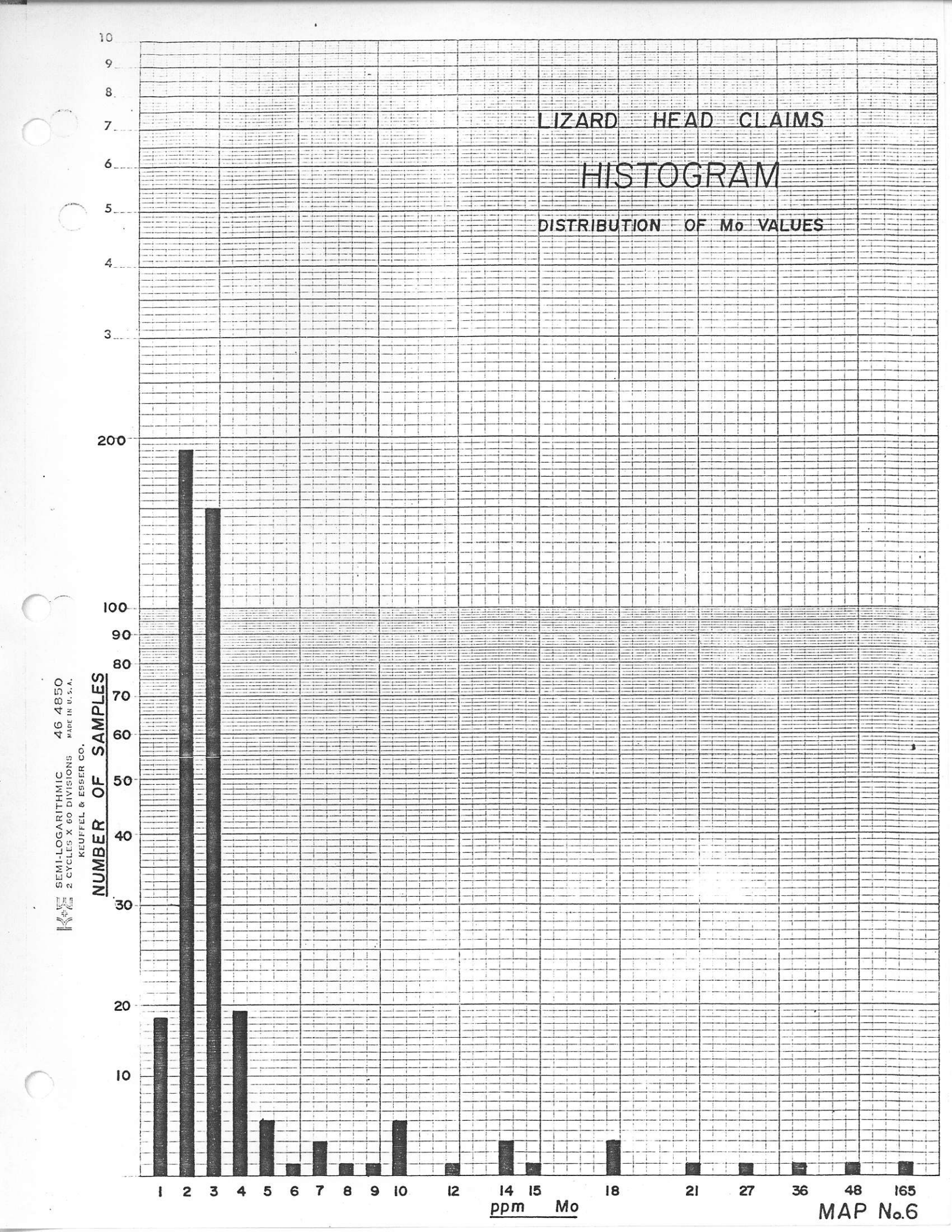
GEOCHEMISTRY

All sample data have been plotted on the enclosed map, and as is obvious, a clustering of anomalous Mo soil values occur in the vicinity of the anomalous silt values in the SW corner of the claims.

296 soil samples were collected on a chained, compassed and flagged grid. The claim line between Lizard Head 1 and 2 was used as a base-line, and lines were run roughly at right angles to the B.L.

Approximately 36 silt samples were collected on and around the property.

Soil samples were taken from the "B" horizon, where it was developed, at a depth of from 15 - 30 cm. All samples were collected in brown Kraft paper bags and shipped to Vangeochem Labs. Ltd. in North Vancouver, B.C.


LIZARD HEAD CLAIMS
HISTOGRAM
DISTRIBUTION OF Mo VALUES
NUMBER OF SAMPLES
10
9
8
7
6
5
4
3
200
100
90
80
70
60
50
40
30
20
10
1 2 3 4 5 6 7 8 9 10 12 14 15 18 21 27 36 48 165
ppm Mo
MAP No.6
SEMI-LOGARITHMIC 46 4850
2 CYCLES X 60 DIVISIONS MADE IN U.S.A.
KEUFFEL & ESSER CO.

All samples were dried, sieved to 80 mesh and .5 grain samples digested for four hours in a mixture of HNO3 and HCLO. After cooling, samples were diluted to standard volume and aluminium chloride was added, and the solution analyzed by A.A. methods for Mo.

Silt sample values ranged from 1 - 80 ppm and soils from 1 - 165 ppm. The following values have been used for threshold and anomalous:

ppm Molybdenum

	Background	Threshold	Weakly Anomalous	Strongly Anomalous
Silt	1 - 4	5 - 9	10 - 20	> 20
Soil	1 - 4	5 - 9	10 - 30	> 30

The soil anomalous area in the SW corner of Lizard Head #1 claim is on a west facing slope with shallow relief and near valley bottom. No outcrop was found on the sampled lines and vegetation and deadfall are thick. Extensive Mn precipitate is evident in all creeks sampled, and the general environment is "soggy rain forest".

Because of the wide spacing of the sampled lines, it is difficult to form any valid conclusions regarding the "Mo anomaly". One can say however, that an area roughly 1500 m x 800 m has returned sporadic anomalous samples, up to 165 ppm Mo, with indications that the area is open to the west and possibly to the south. To the south, it is probable that outcrop will be located south of the road within 500 m, but to the west, no exposures of monzonite are expected, and overlying basalt will mask surface observations, both geological and geochemical.

CONCLUSIONS AND RECOMMENDATIONS

An area 1500 m x 800 m contains anomalous but erratic soil Mo values in a probably quartz monzonite host. In view of the terrain and environment, further work is warranted, in the form of:

1. Closer spaced sampling on a controlled grid over the anomalous area, and extending to the west for at least 500 m. A B.L. could be run north and south from the SW post of Lizard Head #1 for 1500 m and lines turned off every 100 m with samples taken every 50 m on these lines. This would involve 450 soil samples if an E.W. direction of 1500 m is covered.

2. At the same time as the soil sampling program, and preferably before the sampling is completed to the west of the B.L., a ground magnetic survey should be completed to define the edge of the basalt cover, as well as any intrusive variations.

3. Reconnaissance with soil sample lines over the west side of the valley approximately 2 km. west of the Mo anomaly, to check for any extension of the anomalous condition in that area. Admittedly this is a long shot, but worth one day with two men.

4. If encouragement of any sort is encountered, additional claims will have to be staked to the west and south of Lizard Head #1. Lizard Head #2 and #3 can be allowed to lapse, but at least one year's assessment (geochemical) should be filed on the 15 units of Lizard Head #1.

5. An I.P. survey would be the next logical step if further interest continues on these claims. A hidden mineralized zone is possible to the west of the "Mo anomaly", underneath the basalt, and we may be only seeing the fringe of such a zone.

COST STATEMENT FOR ASSESSMENT PURPOSES

Costs Incurred for Geochemical Survey on Lizard Head Claims During Period August 10th - September 5th, 1978, (25 days).

Personnel - Line Chaining and Soil Sampling

M. Lowrie	-	August 10th - September 5th 25 days @ $30.00 day	$ 750.00
W. Murton	-	Supervision - 3 days @ $100.00 day	300.00
G. Dawson	-	August 10th - September 5th 25 days @ $30.00 day	750.00
Camp Supplies	-	25 days @ $15.00 day	375.00
Vehicle Rental	-	25/30 x $600.00 month	500.00
Gas and Repairs	-		75.00
Assaying Charges	-	Mo Analysis for 332 samples x $1.85 /sample	614.00
Miscellaneous	-	@ 10%	336.00
		TOTAL	$ 3,700.00

J.W. Murton, P. Eng.

CERTIFICATION

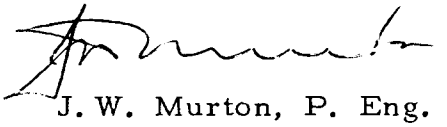
I, J. W. Murton, of North Vancouver, British Columbia, do hereby certify that:

I am a member of the Association of Professional Engineers of the Province of British Columbia, registered in 1972, No. 8324.

I am a graduate of the University of Manitoba with a B. Sc. in Geology.

I have been a practising Engineer and Geologist since 1960 in Manitoba, Saskatchewan, British Columbia, South Western U. S. A. and Alaska.

Vancouver, B. C.
JANUARY, 1979



J. W. Murton, P. Eng.


MOIRA LAKE
MANN CREEK
LAKE
LAKE
L 3000 N
L 2800 N
L 2400 N
L 2200 N
L 2000 N
L 1800 N
L 1600 N
L 1400 N
L 1200 N
L 1000 N
L 800 N
L 400 N
L 200 N
L 0+00
LIZARD HEAD 1
LIZARD HEAD 2
LIZARD HEAD 3
LCP
120° 18' 00"
51° 45' 00"
N
LEGEND
Mo value in ppm — soil sample
Mo value in ppm — silt sample
Air photo lineament
Outcrop — quartz monzonite
10 – 19 ppm
20 – 29 "
30 – 39 "
+ 40 "
Claim post & claim outline.
Lizard Head claim no.
Grid line — chained, compass & flagged.
Lake
Creek
Roads
Ground contour lines, elevation in feet.
0 50 100 200 300 400 500 m
KERR ADDISON MINES LTD
GEOCHEMISTRY – Mo
LIZARD HEAD CLAIMS
CLEARWATER AREA, B.C.
SCALE – 1:5000 metres
DATE :
DRAWN BY.
DATA BY :
inches
centimetres
BRITISH COLUMBIA GEOLOGICAL SURVEY
This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.