

APPENDIX 'A'

CONTENTS

Proposed Exploration - 1970

- General
 - Personnel
 - Survey Coverage
 - Coverage and Costs
 - Exploration Schedule

- Budget

- Affidavit

- Preliminary Reports
 - Vina
 - Bid
 - Royale
 - Crown-Leo-Lion
 - Vegas

DYNASTY EXPLORATIONS LIMITED

330 MARINE BUILDING
 355 BURRARD STREET
 VANCOUVER 1, B. C.

VICTOR PROPERTIES PROPOSED EXPLORATION - 1970

GENERAL

Victor Properties are considered as the Dynasty holdings in the Dawson Range. The Bid, Vina, Crown-Leo-Lion, Vegas, Royale claims have been grouped together for a total direct exploration budget of \$151,000 dollars.

Two crews will explore these properties with plans calling for a third crew to prepare the grid, soil sampling and, in some cases, magnetic surveys prior to geologic mapping.

PERSONNEL

Personnel required to explore the Victor Properties are listed below in this report.

<u>Crew</u>	<u>Position</u>	<u>Employee</u>	<u>Area</u>
Victor Properties	Party Chief	K. Dawson	Victor Prop.
Victor Prop. I	Party Chief	P. Dean)
	Geologist	D. Hersak)
	Assistant	J. Britton) Bid, Vina
	Linecutter	J. Jackson) Leo-Lion
	Linecutter	P. James) Crown
	Prospector	T. Skonseng)
	Cook	K. Butler)
Victor Prop. II	Party Chief	W. Karvinen)
	Geologist)
	Assistant	M. Delich) Vegas
	Line Sampler	A. McLeod)
	Line Sampler	F. Charlie) Royale
	Cook	J. Goschl)

<u>Crew</u>	<u>Position</u>	<u>Employee</u>	<u>Area</u>
Victor Prop. III	Party Chief	D. Francis)
	Geologist)
	Assistant	J. Mndala) Max
	Assistant	R. Blake) Mim
	Assistant	T. Reamsbottom)
	Prospector	R. Etzel)
	Cook	C. Harry)

SURVEY COVERAGE

Rule of thumb calculations for survey coverage have been tabled for reference.

Overall Survey Costs/Line Mile

All inclusive

(1) Magnetometer Surveys \$ 50/Line Mile

(2) Geochem Surveys:
@200 ft.. sample spacing =
26 samples/line mile
collection cost plus analysis
for 4 elements - \$5/sample
x 26 = \$130/Line Mile

(3) Geologic mapping \$ 20/Line Mile

(4) Linecutting - grid establishment

Crew of 4 men - wages - \$120/day
Camp Costs - \$ 40/day
Field Expenses - \$ 20/day
Freight & Transp. - \$ 20/day average
\$200/day

Average rate/day -2.5 line miles - \$80/Line Mile

VICTOR PROPERTY EXPLORATION COVERAGE AND RELATIVE COSTS

<u>Property</u>	<u>No. Claims</u>	<u>Line Miles 800' lines .71 LM/cl.</u>	<u>Est.Expl. at cost of \$200/LM</u>	<u>Line-cutting @\$80/LM</u>	<u>Geochem @\$130/LM</u>	<u>Geology @\$20/LM</u>	<u>Magnetics @\$50/LM</u>
Vegas	75	53	15,000	4,300	6,900	1,100	2,700
Royale	66	47	13,200	3,800	6,100	900	2,400
Crown	120	85	24,000	6,800	11,200	1,700	4,300
Bid	220	156	44,000	12,600	20,400	3,100	7,900
Vina	<u>239</u>	<u>170</u>	<u>48,200</u>	<u>13,800</u>	<u>22,300</u>	<u>3,400</u>	<u>8,700</u>
	<u>720</u>	<u>511</u>	<u>144,400</u>	<u>41,300</u>	<u>66,900</u>	<u>10,200</u>	<u>26,000</u>

VICTOR PROPERTIES
COMMENCEMENT AND COMPLETION DATES
OF EXPLORATORY WORK

	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>
Bid	Head Office	Tote Trail-Air-strip Construc.		Ground Survey & Exploration					
Crown- Leo-Lion		Tote Trail-Air-strip Construc.				Ground Survey & Expl.			
Crown Vina	Addit. Staking	Tote Trail-Air-strip Construc.				Ground Survey & Explor.			
Vegas	Addit. Staking					Crew II & V			
Royale		Prelim. studies				Crew II&V			

SUMMARY OF VICTOR PROPERTIES BUDGET

<u>Total Labour @100%</u>	<u>Total Labour @100%</u>	<u>Vanc. Expl. Office</u>	<u>Expediting</u>	<u>Total Direct</u>
\$67,000	\$60,909	\$45,284	\$11,824	\$151,100

ADD: 3% non wage labour costs \$ 1,827
Total Incl. Expediting 164,751
Administration 45,284
Total Allowable Costs \$210,035

DYNASTY EXPLORATIONS LIMITED

330 MARINE BUILDING
355 BURRARD STREET
VANCOUVER 1, B. C.

In the matter of an application
for Northern Mineral Exploration
Assistance for Dynasty Explorations
Limited

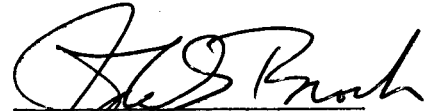
I, JOHN S. BROCK, of the City of Vancouver
in the Province of British Columbia,

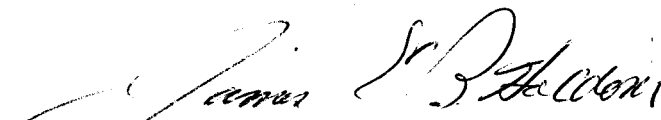
DO SOLEMNLY DECLARE THAT

1. I am the Vice-President Exploration of Dynasty Explorations Limited the applicant Company, and as such have knowledge of the facts herein deposed to.
2. All of the information contained in the documents (Appendices 'A' and 'B') filed in connection with the application hereto attached is true and correct to the best of my knowledge, information and belief.

And I make this solmn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath and by virtue of the Canada Evidence Act.

Declared before me at the City)
of Vancouver, in the Province of)
British Columbia, this 14th day of)
July, 1970)


John S. Brock


Notary Public

VIÑA GROUP

Geological Notes

The geology of the Viña claims is fairly complex with several intrusive phases, two prominent fracture directions and a contact with Yukon Group metasedimentary rocks which underlie the northern part of the group. The main rock type is a fine- to medium-grained biotite granite (Home Granite) which occurs as an irregular sinuous dyke-like stock intruding the regional batholithic hornblende granodiorite and as small plugs and dykes intruding the metasediments. The granite is variable in composition from a fine- to medium-grained alaskite phase commonly showing a strong lineation to medium-grained equigranular biotite granite. Minor diorite, pegmatite, feldspar porphyry and hybrid granite ~~type~~ also occur.

Igneous complexity is greatest near the margins of the stock and all types occur as a profusion of dykes in the adjacent granodiorite.

Two prominent fracture directions, northeasterly and north-northwesterly, occur in the area. These are best developed in the area of the claim group. Nearly all the copper and molybdenum anomalies in the soil and silt occur in the area of the major fracture intersections in the centre of the

group. Two localities where molybdenite was observed are close to one of the northeasterly fractures. In the northeastern part of the group only one molybdenum anomaly occurs, a few copper, and the remainder largely zinc and lead. To the west and southwest zinc anomalies occur exclusively. These indicate a lead-zinc halo around the copper molybdenum mineralization.

A high water anomaly (160 ppb Mo) occurs near the south boundary of the claim group in a spring which drains a down-weathered basin which is reflected by a small magnetic low. The anomaly diminishes to 4 ppb at the mouth of the main stream to the south. Water anomalies of 2 ppb molybdenum were detected in the next drainage to the west.

Pyrite and magnetite mineralization was noted in various localities on the claims.

A well-defined magnetic high low pair occurs in the northern part and a similar pair in the south western part of the group. The central part of the area is occupied by a broad magnetic basin coinciding with the embayment of granodiorite on the east side of the stock.

TABLE OF FORMATIONS

Carmacks Gp. (?) - Tertiary (?)

- 6 Extrusive (a) and Intrusive (b) rhyolite, rhyolite porphyry, aplite, fesslite, etc.
- 5 Intermediate and basic volcanics, mainly andesite, andesite agglomerate and basalt.

Home Granite - Late Mesozoic or Tertiary

- 4 Predominantly fine to medium grained, equigranular biotite granite, quartz monzonite and alaskite, locally miarolitic (a) coarse grained granite complex (west central area of 115-J-14) predominately a biotite granite body with an alaskite core and siliceous leucocratic border phase, possibly unrelated to Home granite.
- 3 Basic and ultrabasic intrusive rocks: minor diabase, gabbro and lamprophyre dykes, larger bodies of peridotite (a) gabbro (b) some of which may include volcanic rocks (c).

Casino Granitic Complex - Mesozoic

- 2 Predominantly medium to coarse-grained, hornblende-rich granodiorite and quartz monzonite. Ranges from granite to diorite, commonly foliated (a) Granitic rock of unknown composition (Cairnes 1917)

1 Yukon Group - Proterozoic

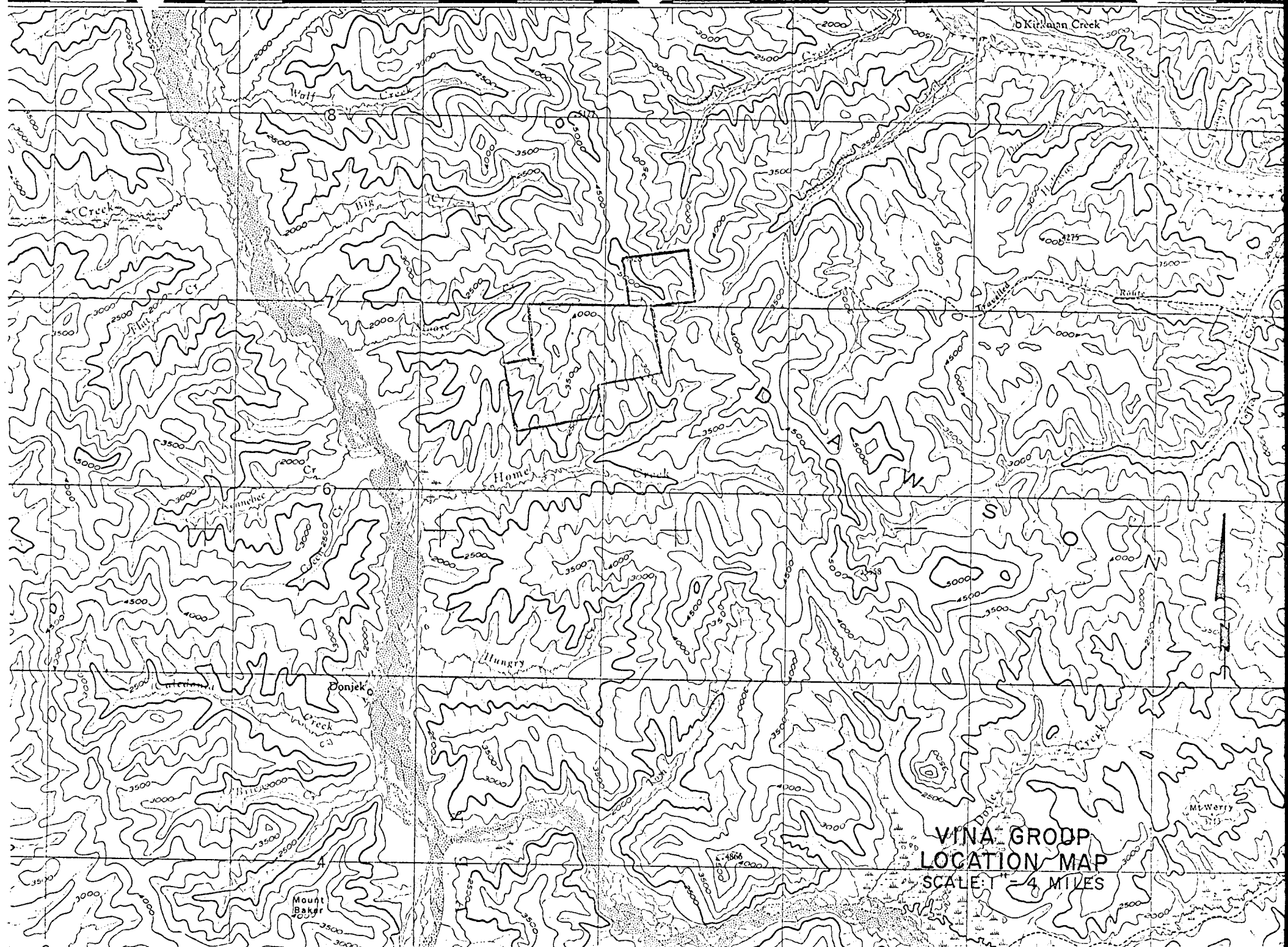
Schist, gneiss and quartzite

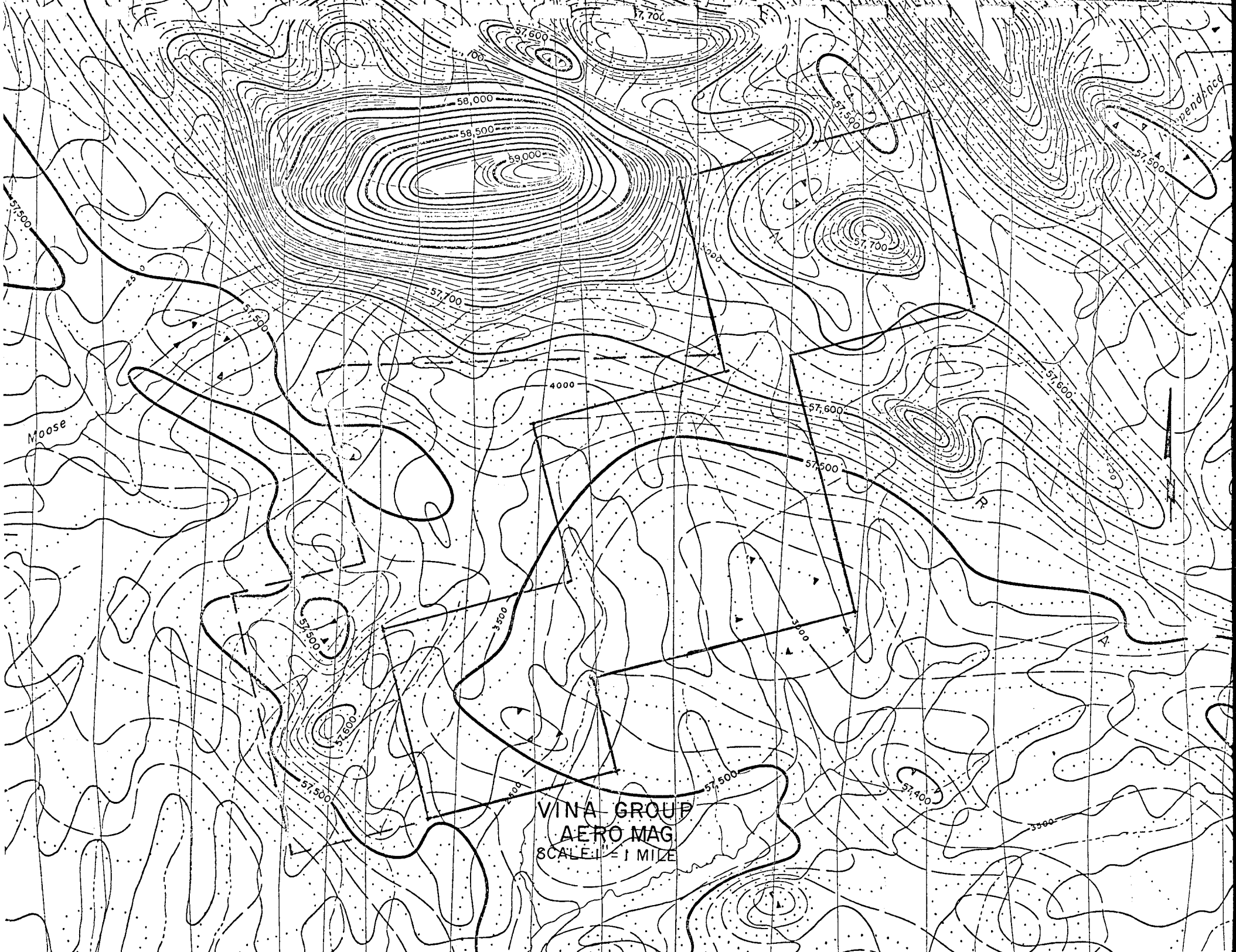
Foliation

Lineation

Faulting

Contacts - controlled





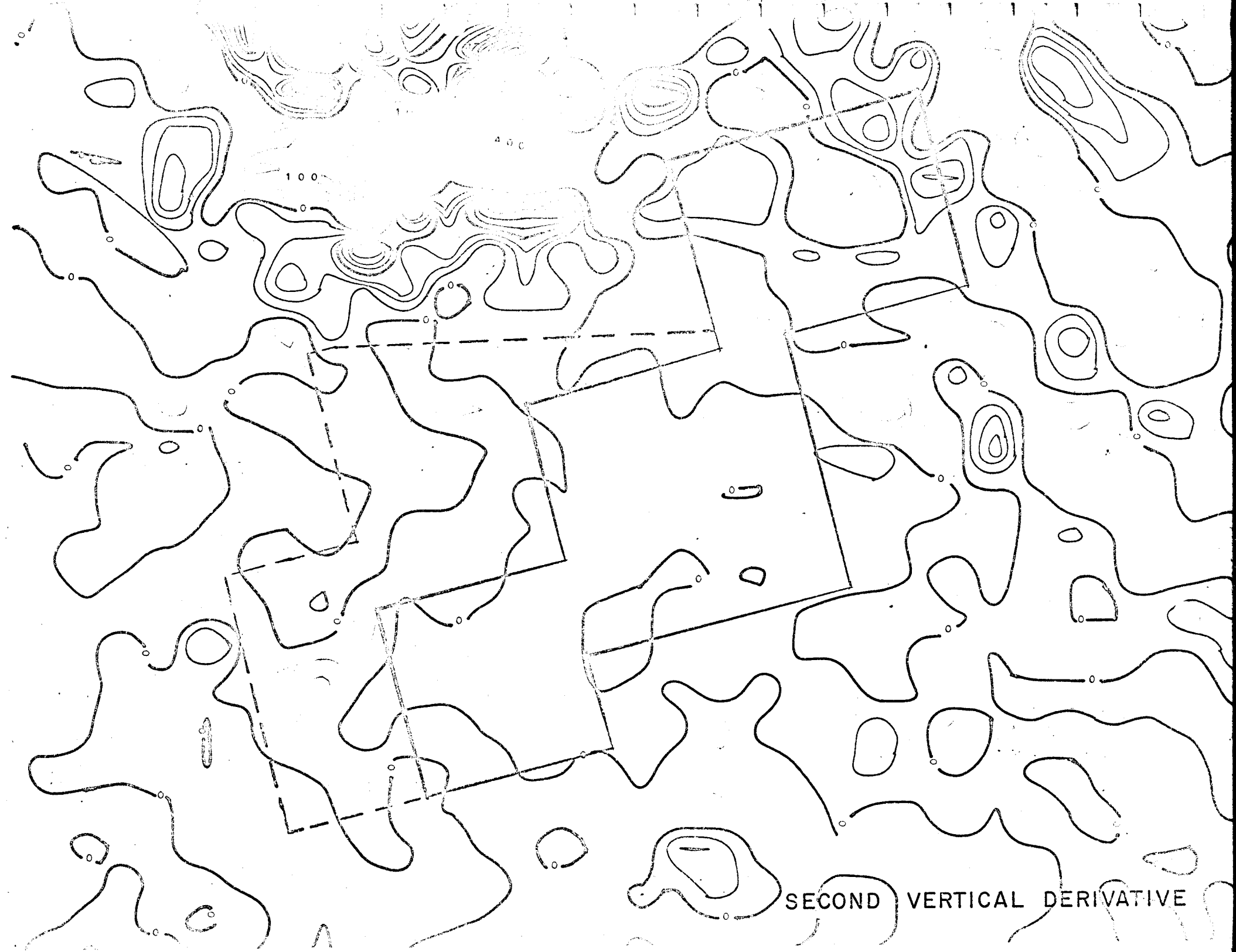
VINA GROUP
AERO MAG
SCALE 1" = 1 MILE

Moose

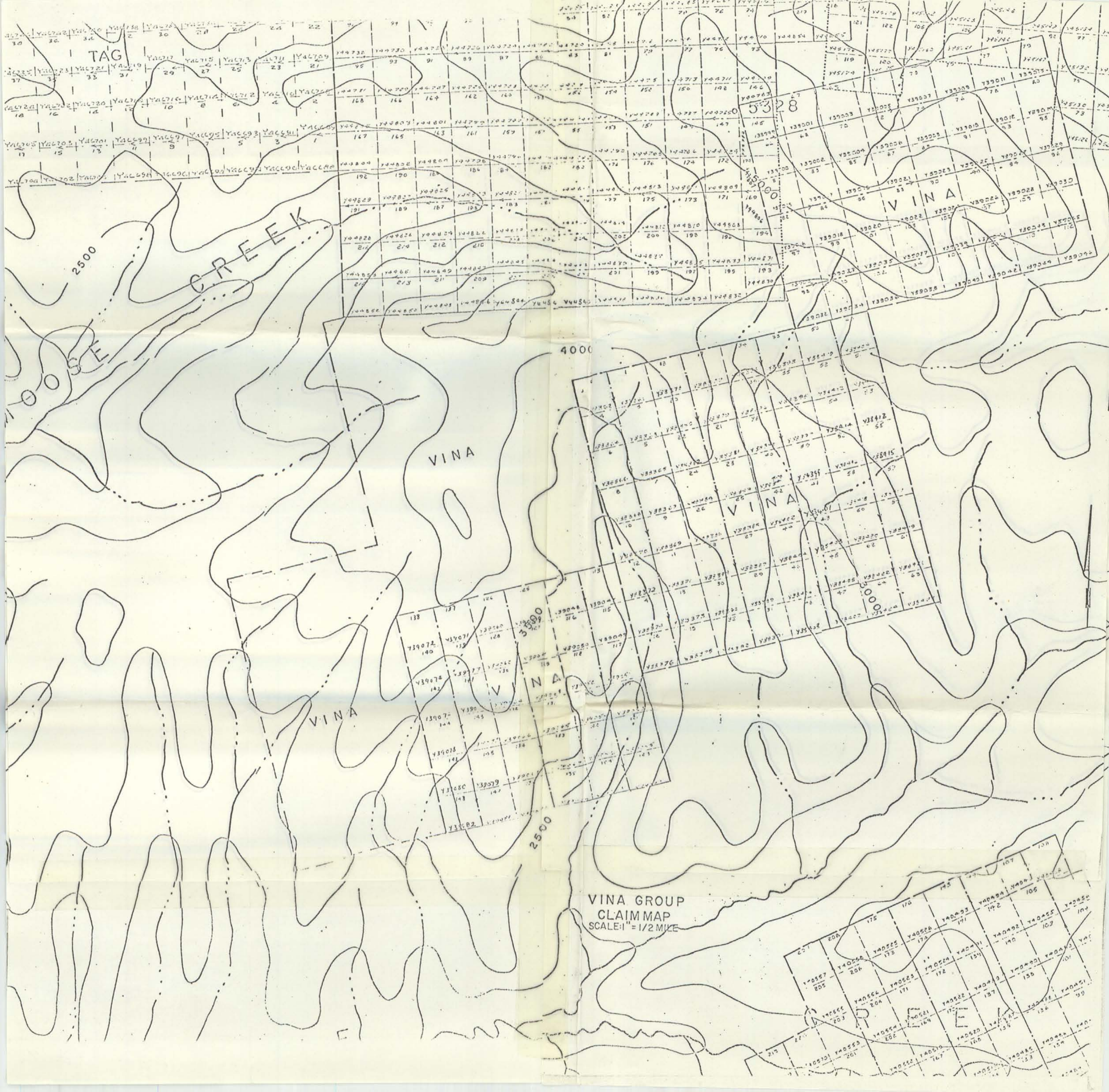
pendance

R

A



SECOND VERTICAL DERIVATIVE



TAG

2500

CREEK

VINA

4000

3500

VINA

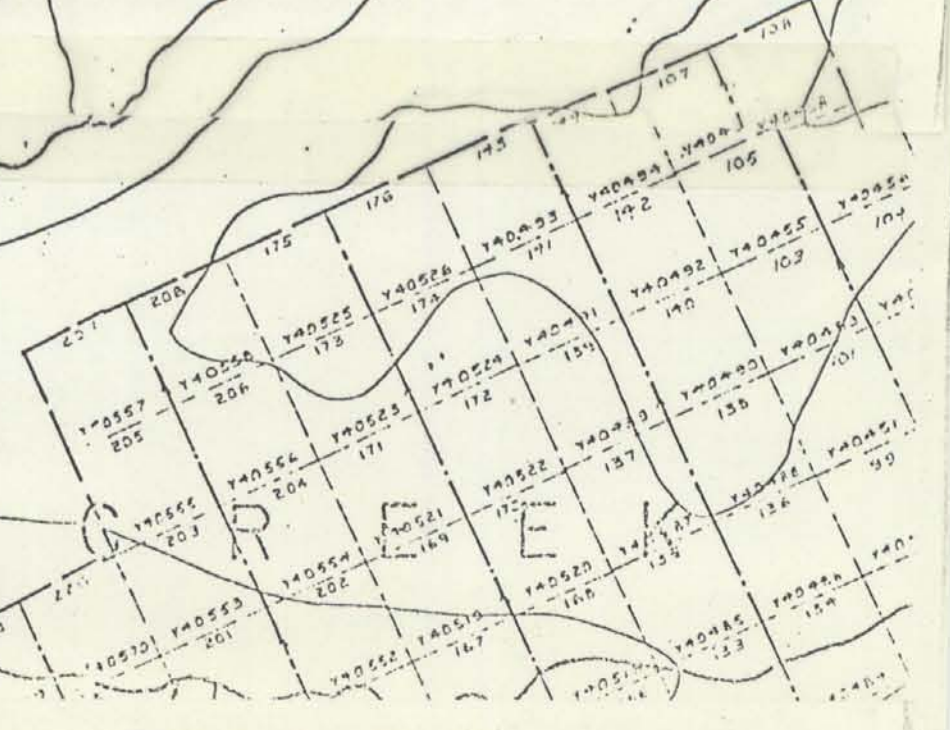
VINA

VINA

3000

2500

VINA GROUP
CLAIM MAP
SCALE: 1" = 1/2 MILE



BID GROUP

Geological Notes:

The Bid claims are underlain by the southern lobe of an irregular stock of fine- to medium-grained equigranular biotite granite (Home Granite) which intrudes the regional batholithic coarse-grained hornblende granodiorite (Casino granitic complex). Dykes of rhyolite composition cut both rock types commonly near the contact zone. Rhyolite, dacite and andesite flows and pyroclastics outcrop in a discontinuous northwest trending belt immediately to the east and north of the claims. Two areas of rhyolite occur to the west.

In the south central part of the claim group, rubble of acid breccia occurs. The rock is composed of angular fragments of felsite and granite cemented with an aphanitic siliceous matrix. Minor cavities occur in the rock which appear to be of solution origin.

Minor copper and molybdenum mineralization was noted at several localities primarily near the granite-granodiorite contact. Pyrite and magnetite also occur associated with it in places.

Geochemical anomalies are largely molybdenum, either alone or with lead and zinc. Only a few copper anomalies were detected.

Anomalies outwards from the intrusive contact are nearly all zinc and lead. A general separation of lead and zinc seems evident with lead remaining close to and within the stock, and zinc anomalies occurring from a mile to four or five miles away from the contact, both in silts and soils.

Detailed soil and rock chip sampling along four claim lines in the eastern part of the claim group was done. The easternmost line has only a few lead and zinc anomalies and the rock is hornblende granodiorite. The second line, which is three claim lengths west of the eastern boundary, has a series of rock chips anomalous in copper, lead and zinc in the southern part, a series of predominantly zinc soil anomalies in the central part, and a few copper, lead and zinc anomalies in the northern part. The third line (5 claim lengths west of the eastern boundary) has the first molybdenum anomalies - a series south of the center and 3 in the northern half; all are low. In the fourth line, near the contact, only one anomaly of interest occurs - a 195 ppm Mo. in a rock chip. The lack of anomalies along this line is surprising in view of the anomalous lines on either side. The sampler on this line, who

was new and inexperienced, and who quit after one day's work, may not have taken samples very carefully in the mossy terrain in this area.

Two oblong magnetic highs occur in the eastern part of the group. A low over the contact in the south western part is drained by a stream with molybdenum silt anomalies, and minor visible molybdenum and copper occur on the ridge to the south and the east.

TABLE OF FORMATIONS

Carmacks Gp. (?) - Tertiary (?)

6 Extrusive (a) and Intrusive (b) rhyolite, rhyolite porphyry, aplite, fesslite, etc.

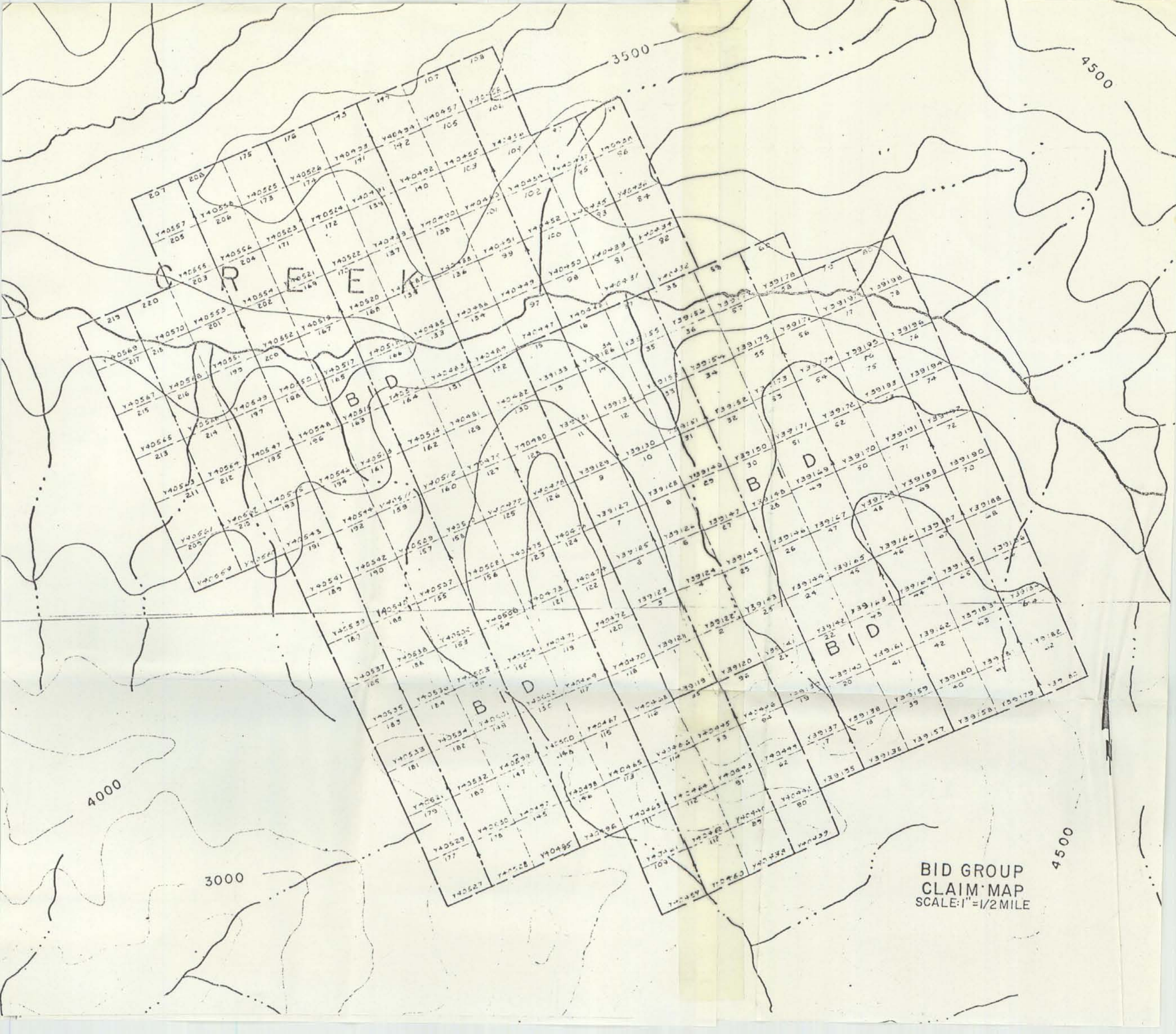
5 Intermediate and basic volcanics, mainly andesite, andesite agglomerate and basalt.

4 Home Granite - Late Mesozoic or Tertiary

Predominantly fine to medium grained, equigranular biotite granite, quartz monzonite and alaskite, locally miarolitic (a) coarse grained granite complex (west central area of 115-J-14) predominately a biotite granite body with an alaskite core and siliceous leucocratic border phase, possibly unrelated to Home granite.

2 Casino Granitic Complex - Mesozoic

Predominantly medium to coarse-grained, hornblende-rich granodiorite and quartz monzonite. Ranges from granite to diorite, commonly foliated (a) Granitic rock of unknown composition (Cairnes 1917)



C R E E K

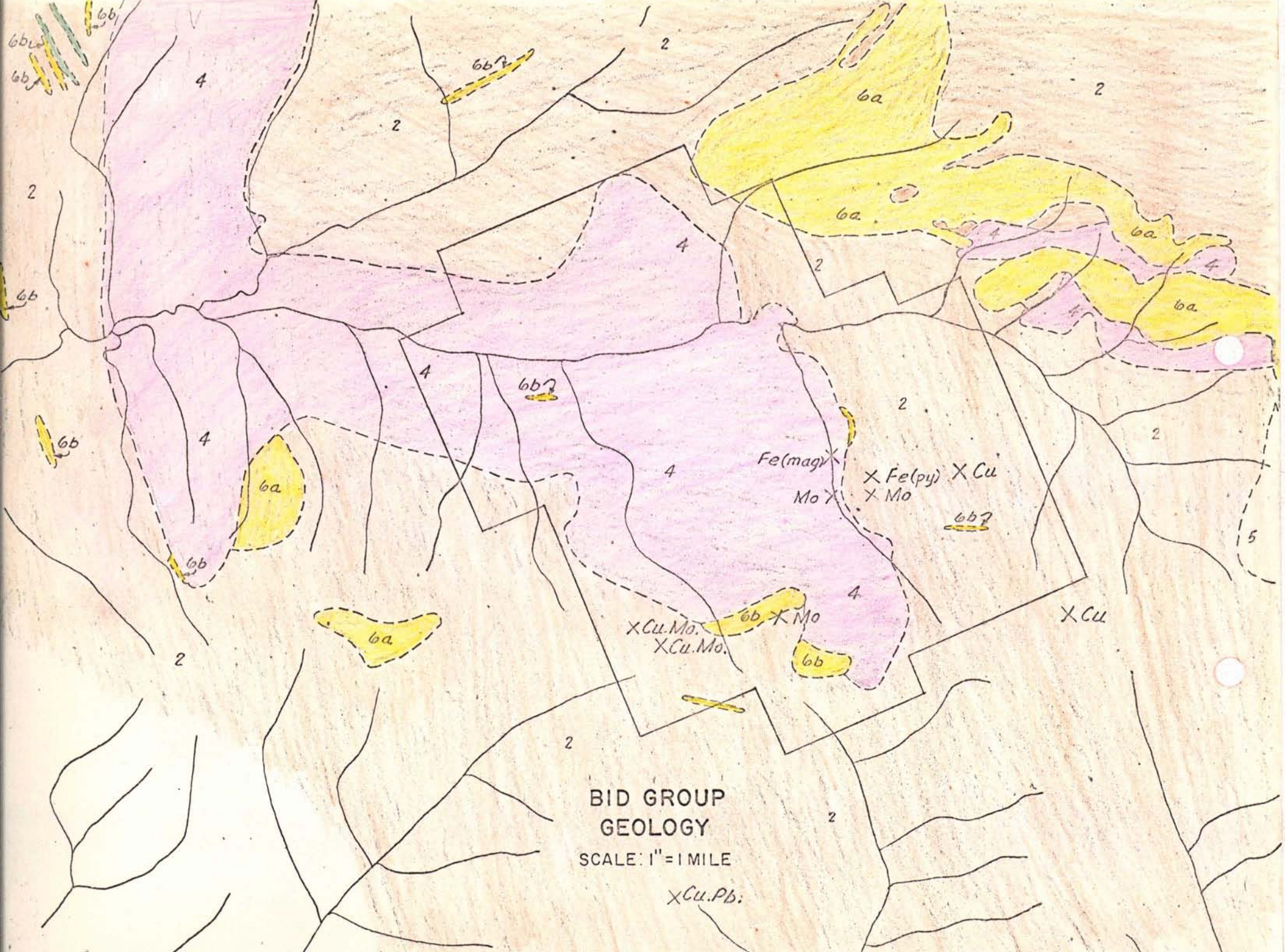
B I D

B I D

B I D

B I D

BID GROUP
CLAIM MAP
SCALE: 1" = 1/2 MILE

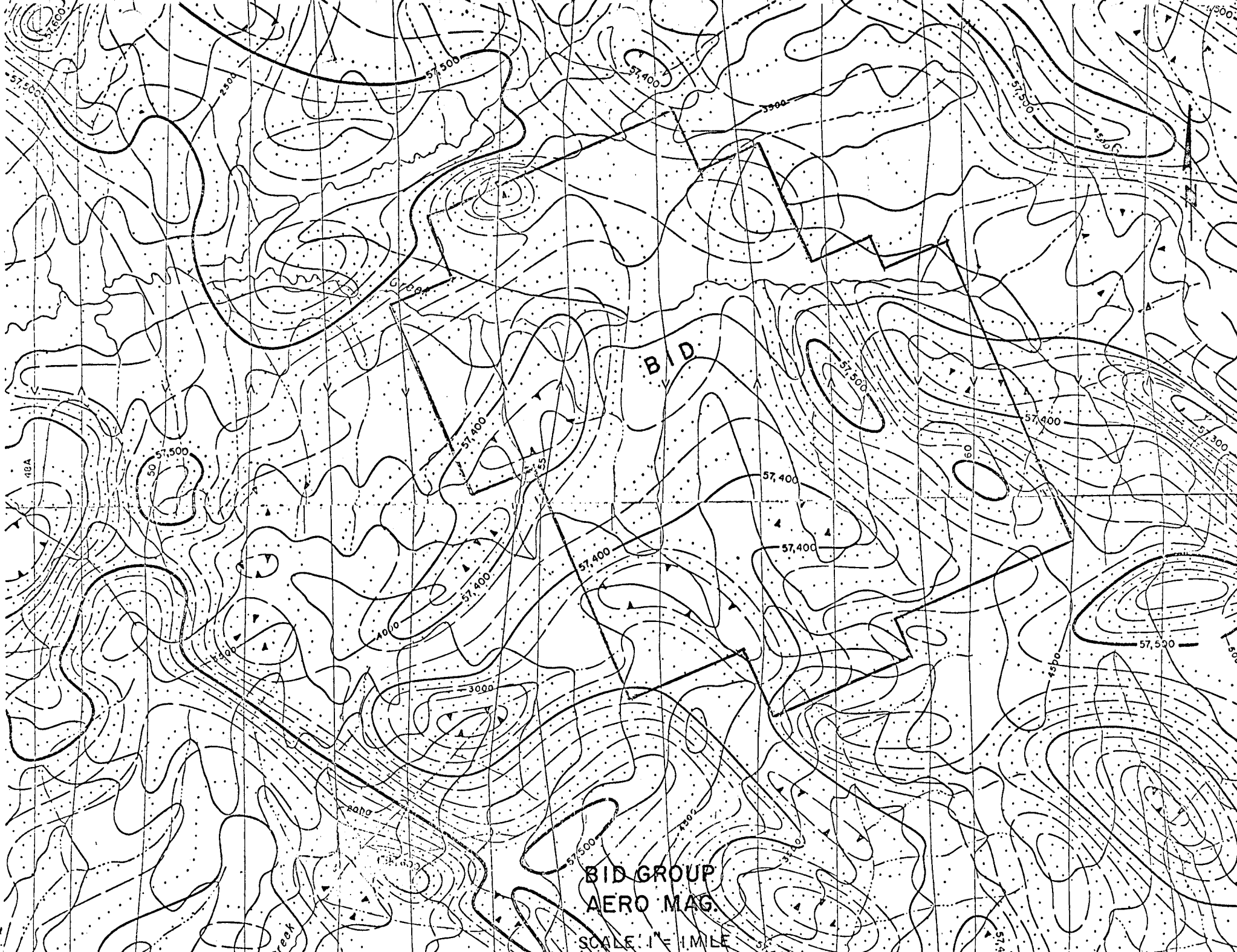


BID GROUP
GEOLOGY
SCALE: 1" = 1 MILE

X Cu.Pb.



SECOND VERTICAL DERIVATIVE



BID

BID GROUP
AERO MAG
SCALE 1" = 1 MILE



**BID GROUP
LOCATION MAP**
SCALE: 1" = 4 MILES

ROYALE GROUP

Geological Notes

Detailed geology was not done on the Royale Claims. The geology mapped in the course of the regional program (1"=1 mi) shows the claims to be underlain by Casino Granitic Complex Rocks of Mesozoic Age (Unit 2) in contact with Yukon Group metamorphic rocks. Handsamples from the Royale Claims of leucocratic granite (Alaskite) containing abundant pyrite and rusty fractures were brought in by G. Lishy, prospector. This rock may be related to Home Granite, and similar rocks were mapped to the north on the Vegas Claims. An acid intrusive porphyry dyke was mapped at the above mentioned contact in the eastern half of the Claim group. This body is centered in a magnetic high.

A topographic rounded dome, similar to that at Casino, occurs $\frac{1}{2}$ mile north of the acid porphyry dyke.

A second magnetic high elongated northwesterly lies in the west half of the Claim group.

Dykes and plugs of latite porphyry were mapped a mile north of the northwest corner of the Royale Claim group and within and around the Vegas group, some three miles northwest. Latite

porphyry is abundant on the Casino property five miles to the southeast. It is partly mineralized and lies adjacent to some of the best mineralization. The regional trend is northwesterly and it is possible that this rock occurs on the Royale Claims.

Four soil sample lines across the mag highs did not outline any geochemical anomalies.

TABLE OF FORMATIONS

6 Carmacks Gp. (?) - Tertiary (?)

Extrusive (a) and Intrusive (b) rhyolite, rhyolite porphyry, aplite, fesslite, etc.

4 Home Granite - Late Mesozoic or Tertiary

Predominantly fine to medium grained, equigranular biotite granite, quartz monzonite and alaskite, locally miarolitic (a) coarse grained granite complex (west central area of 115-J-14) predominately a biotite granite body with an alaskite core and siliceous leucocratic border phase, possibly unrelated to Home granite.

2 Casino Granitic Complex - Mesozoic

Predominantly medium to coarse-grained, hornblende-rich granodiorite and quartz monzonite. Ranges from granite to diorite, commonly foliated (a) Granitic rock of unknown composition (Cairnes 1917).

1 Yukon Group - Proterozoic

Schist, gneiss and quartzite

15' 59

139° 00

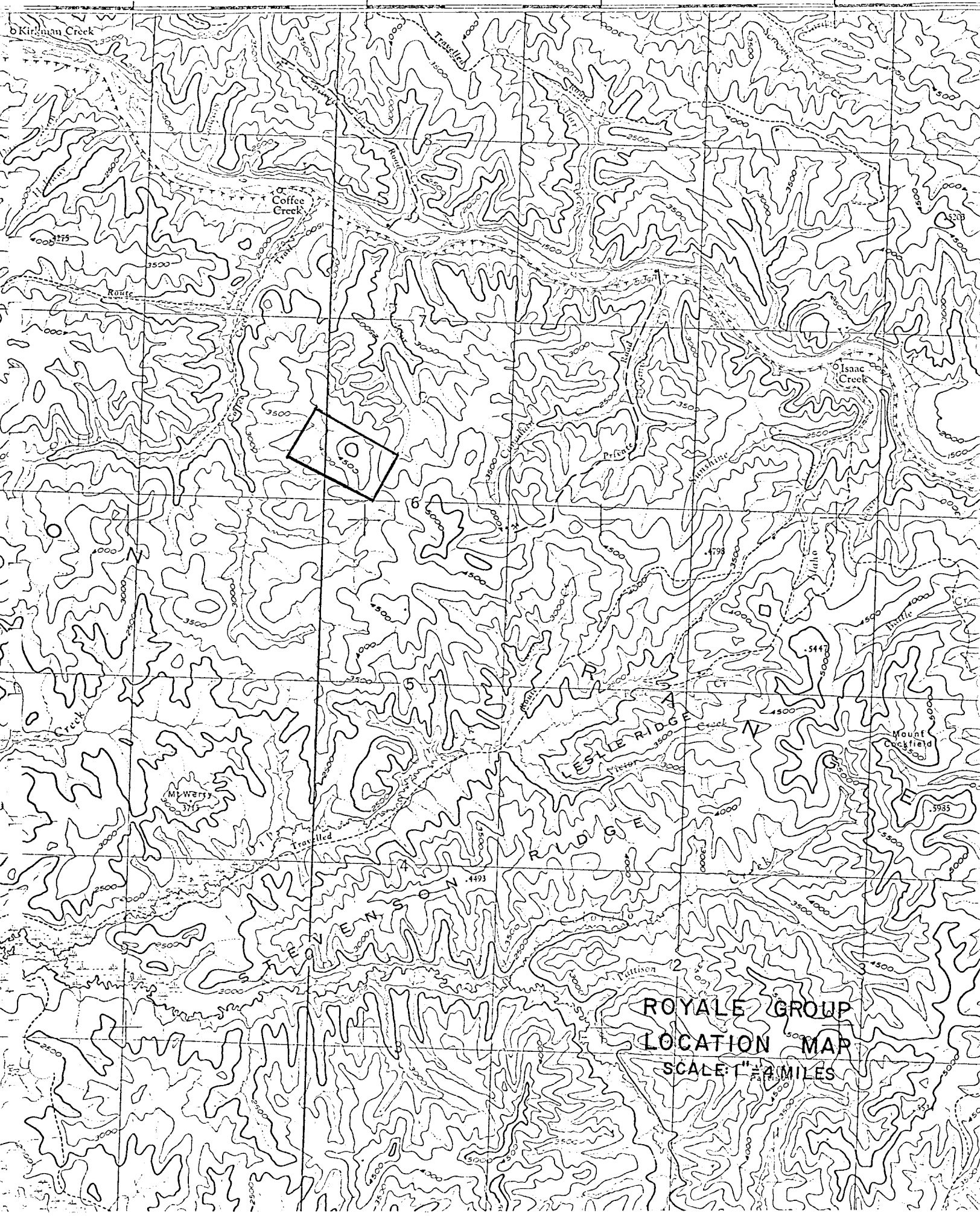
61

45'

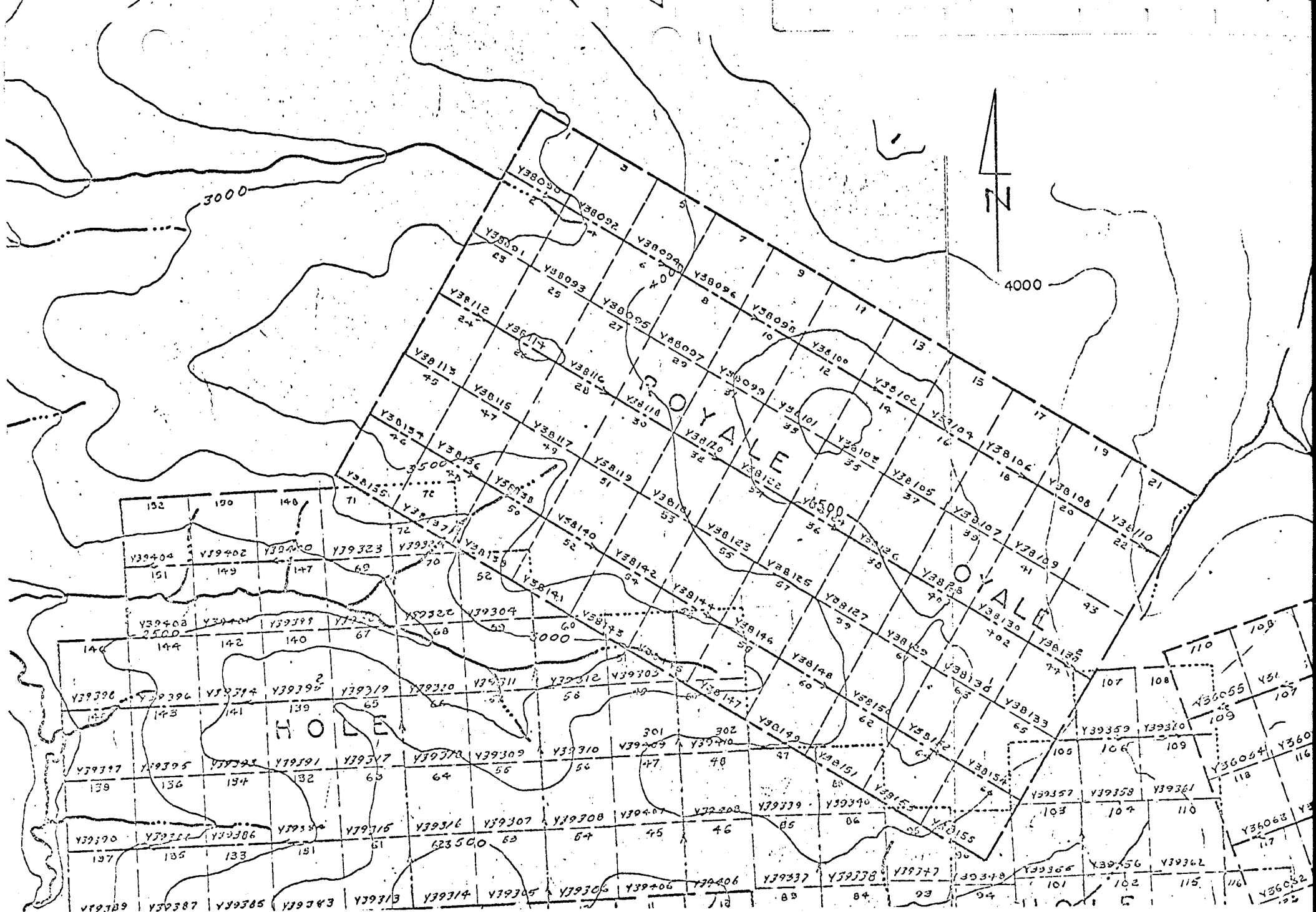
62

30'

63



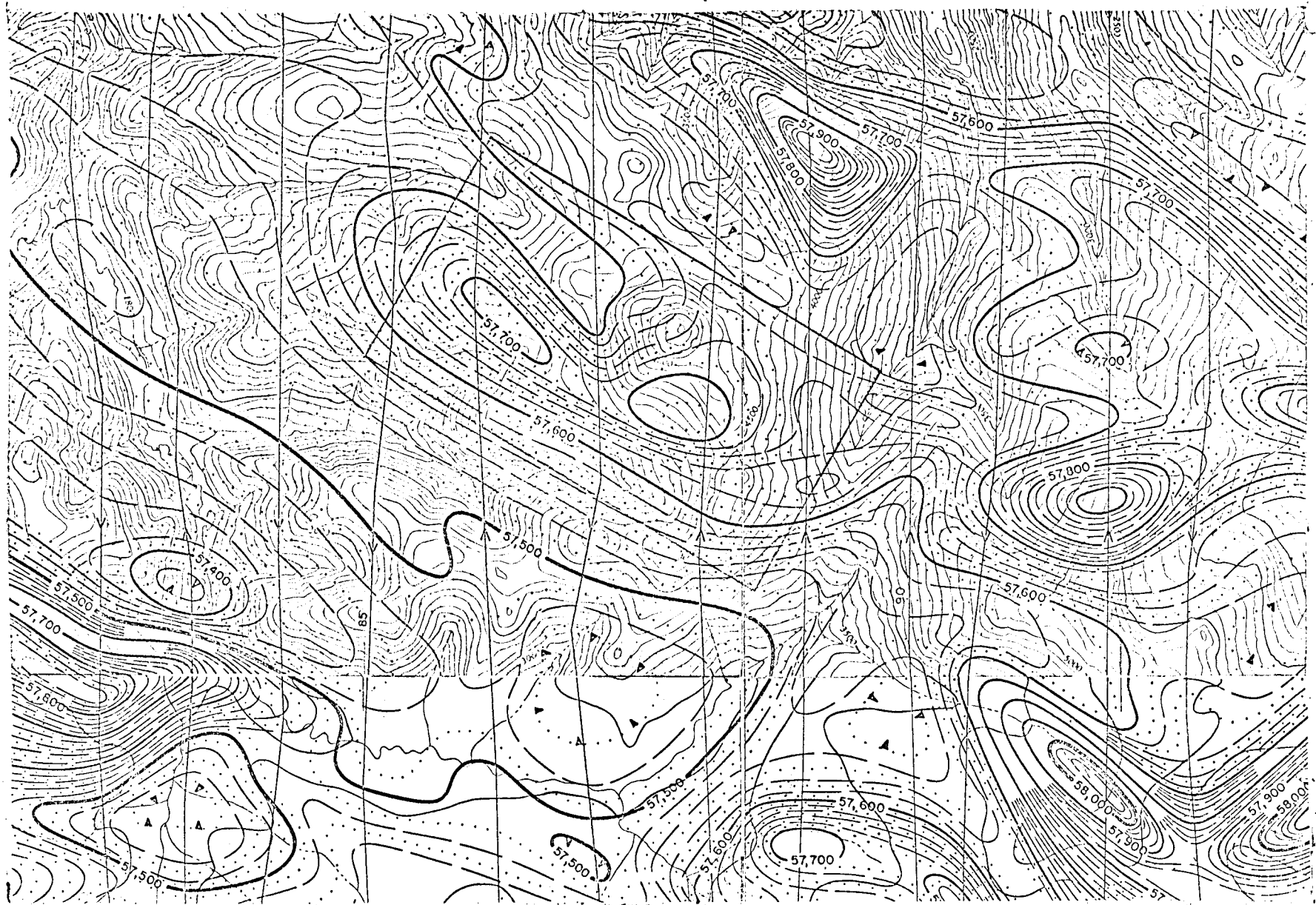
ROYALE GROUP
 LOCATION MAP
 SCALE: 1" = 4 MILES



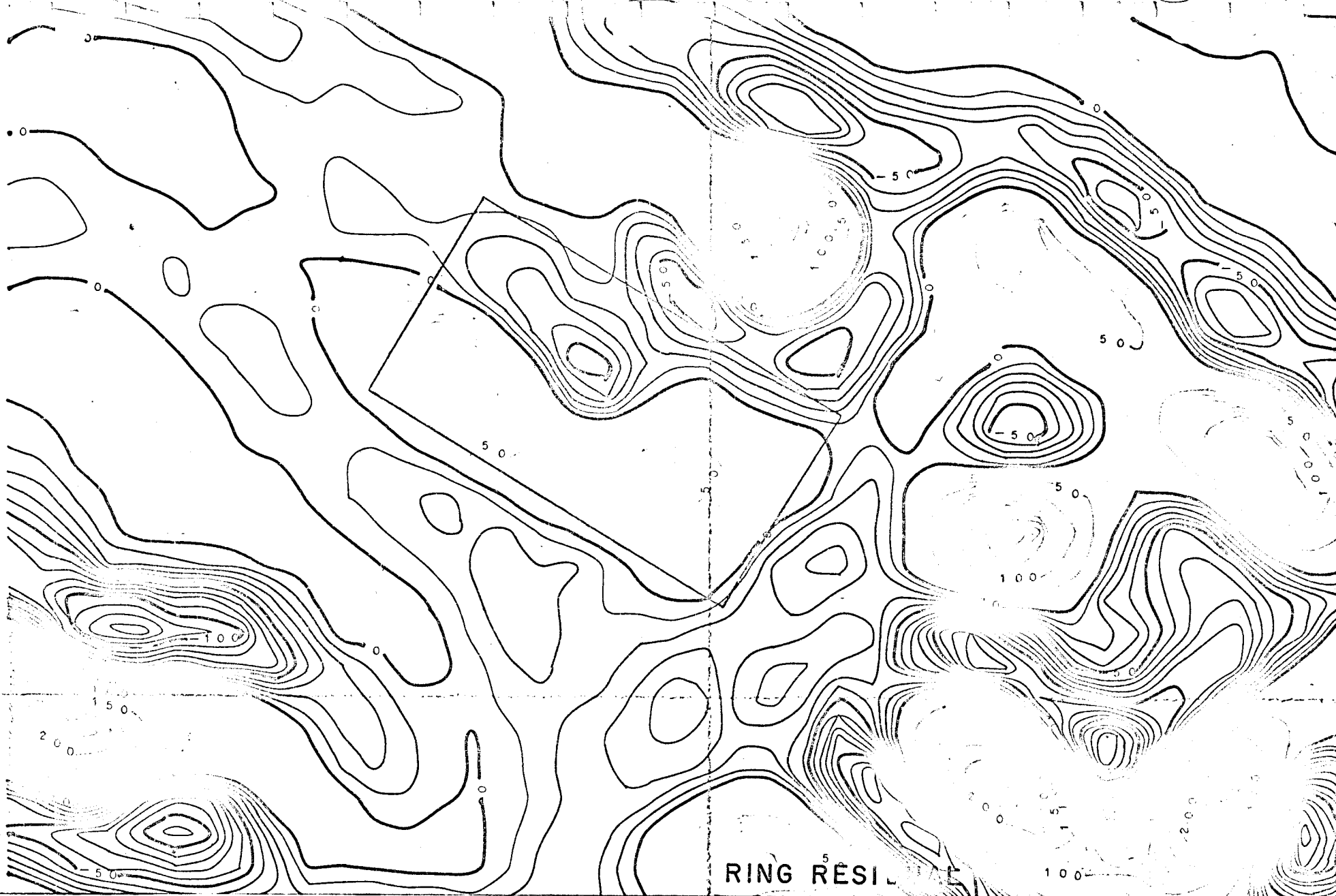
ROYALE GROUP
CLAIM MAP
SCALE: 1" = 1/2 MILE

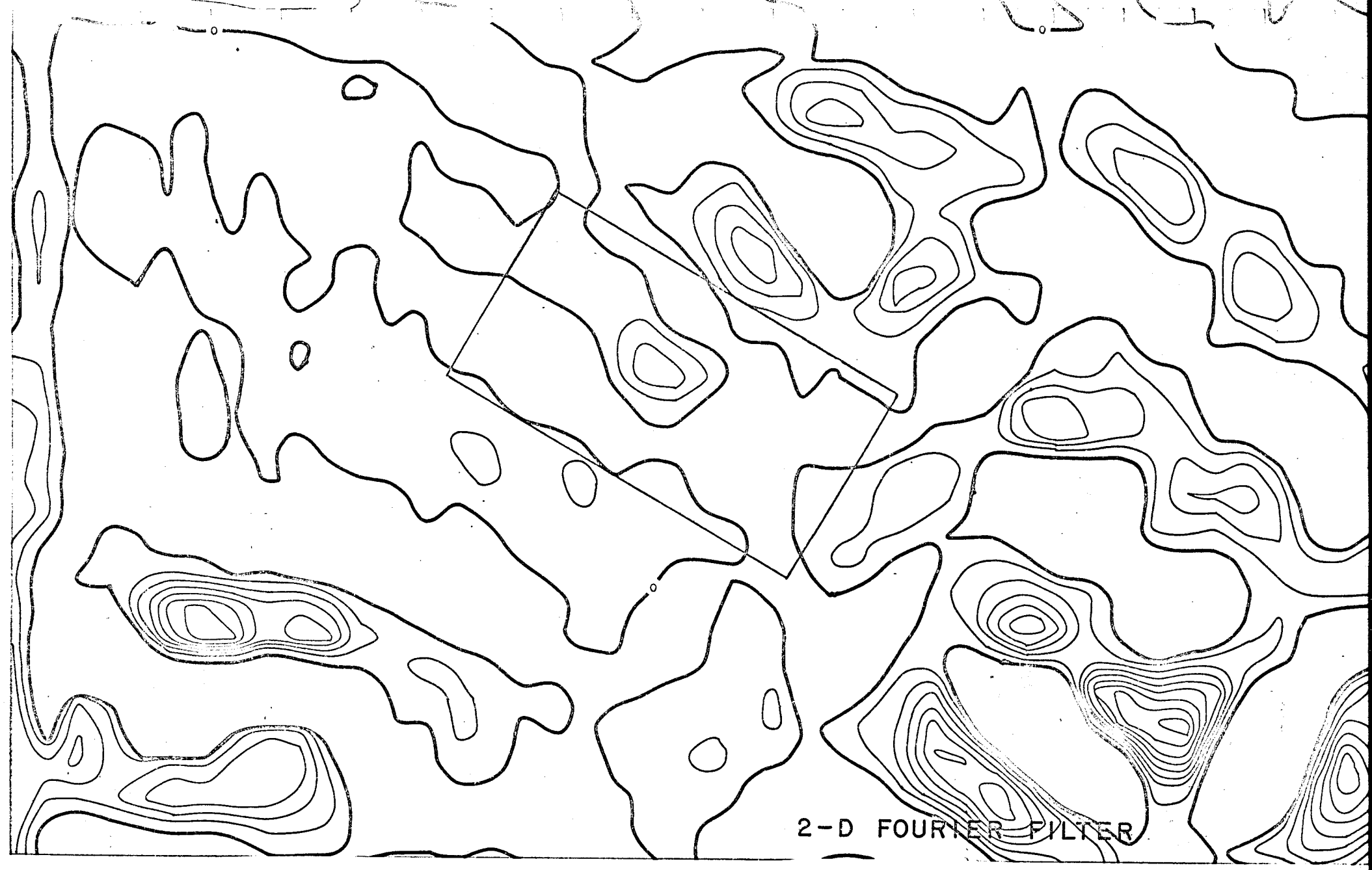


ROYALE GROUP
GEOLOGY
SCALE: 1" = 1 MILE

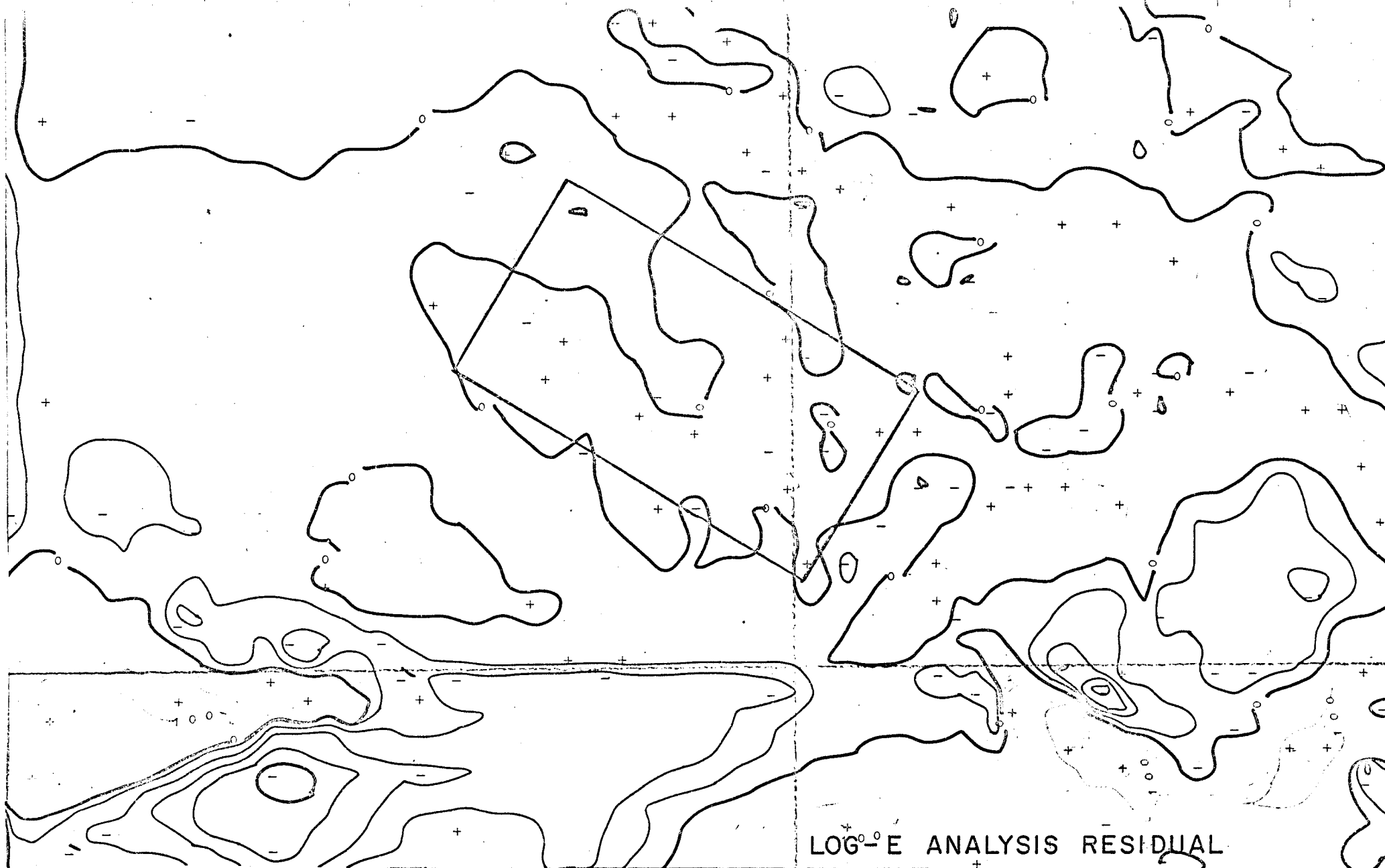


ROYALE GROUP
AERO MAG.
SCALE: 1" = 1 MILE

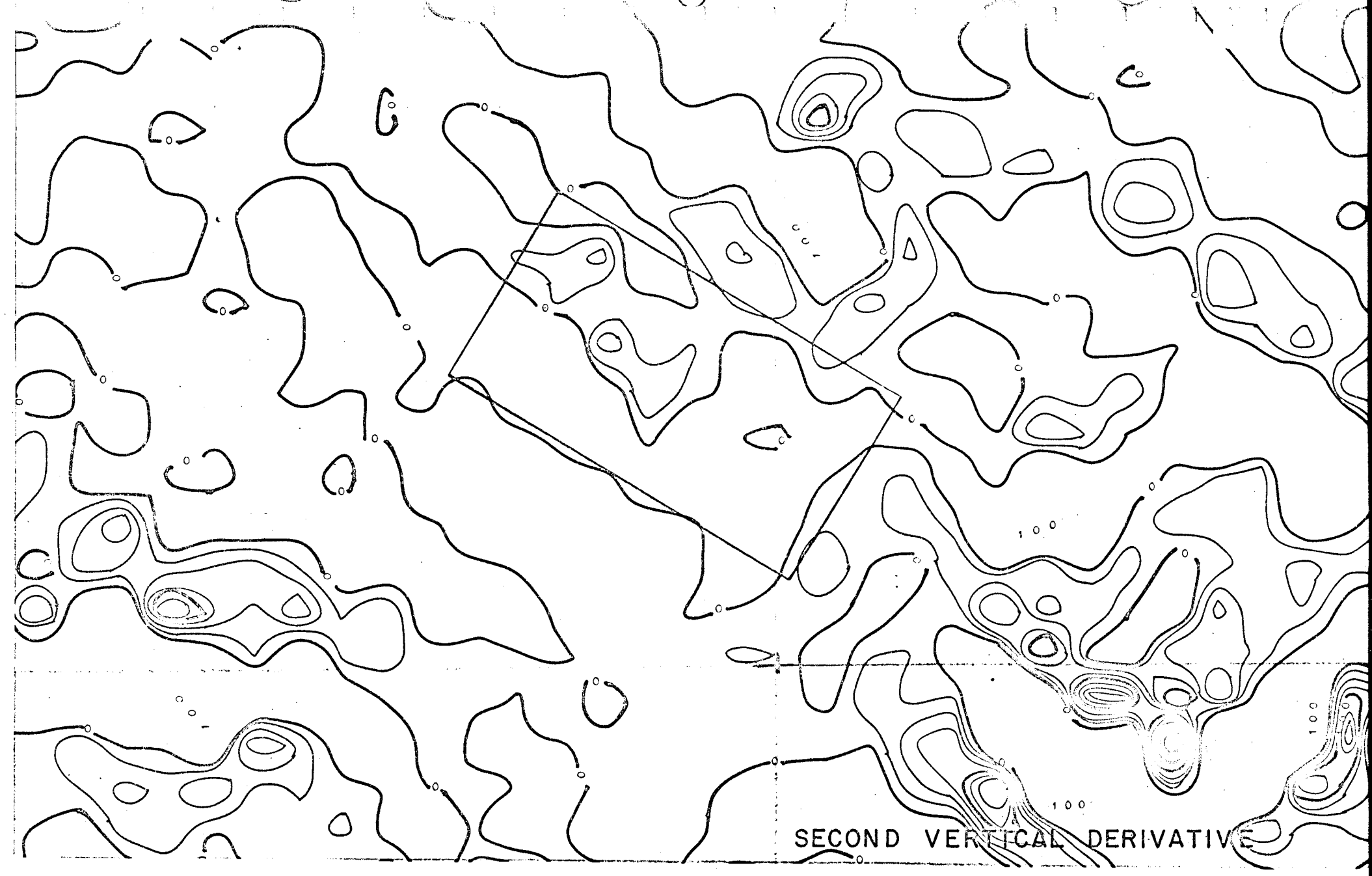




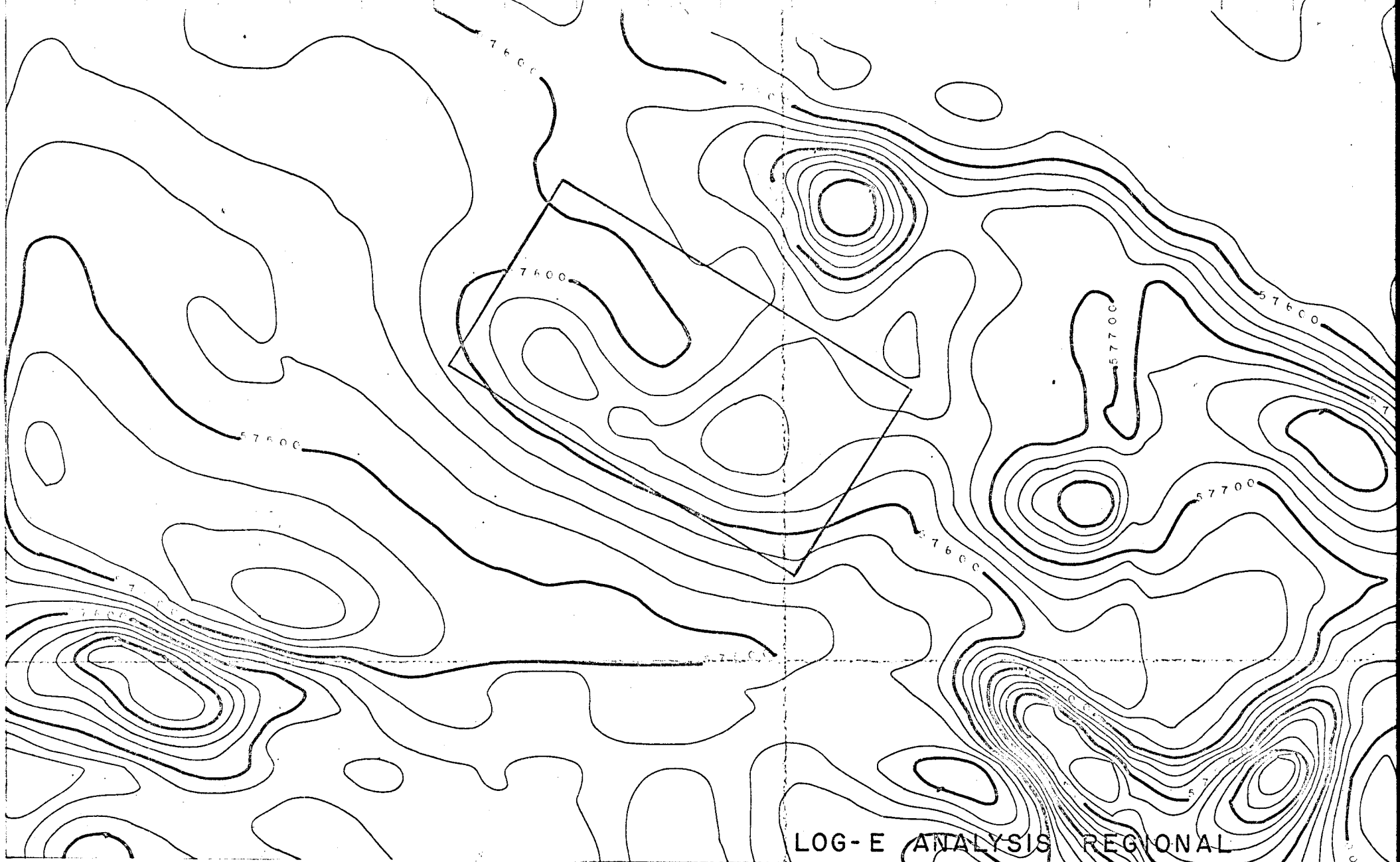
2-D FOURIER FILTER



LOG⁰-E ANALYSIS RESIDUAL



SECOND VERTICAL DERIVATIVE



LOG-E ANALYSIS REGIONAL

LEO LION & CROWN GROUPS

Geological Notes

Leo Lion and Crown claims adjoin Toni Tygre claims on the north and east sides, respectively, and cover part of the south contact area of a large lensoid composite granite stock intruded into Yukon group metasediments.

The pluton is predominantly a coarse-grained biotite granite with a notably more siliceous core and a medium-grained leucocratic border phase. A small feldspar porphyry intrusion was mapped on the north side of the central siliceous granite core and feldspar porphyry dykes are abundant both in the granite and the metasediments.

Pyrite mineralization is widespread and particularly abundant in the metasedimentary rocks covered by the claim groups. Arsenopyrite occurs in a few localities in the granite. High copper and molybdenum anomalies were detected in soils, silts and water samples.

Oblong magnetic highs, separated by low troughs, form a magnetic belt trending northwesterly in coincidence with the regional strike of the Yukon group rocks and the contact zone.

TABLE OF FORMATIONS

Carmacks Gp. (?) - Tertiary (?)

- 6 Extrusive (a) and Intrusive (b) rhyolite, rhyolite porphyry, aplite, fessite, etc.
- 5 Intermediate and basic volcanics, mainly andesite, andesite agglomerate and basalt.

4 Home Granite - Late Mesozoic or Tertiary

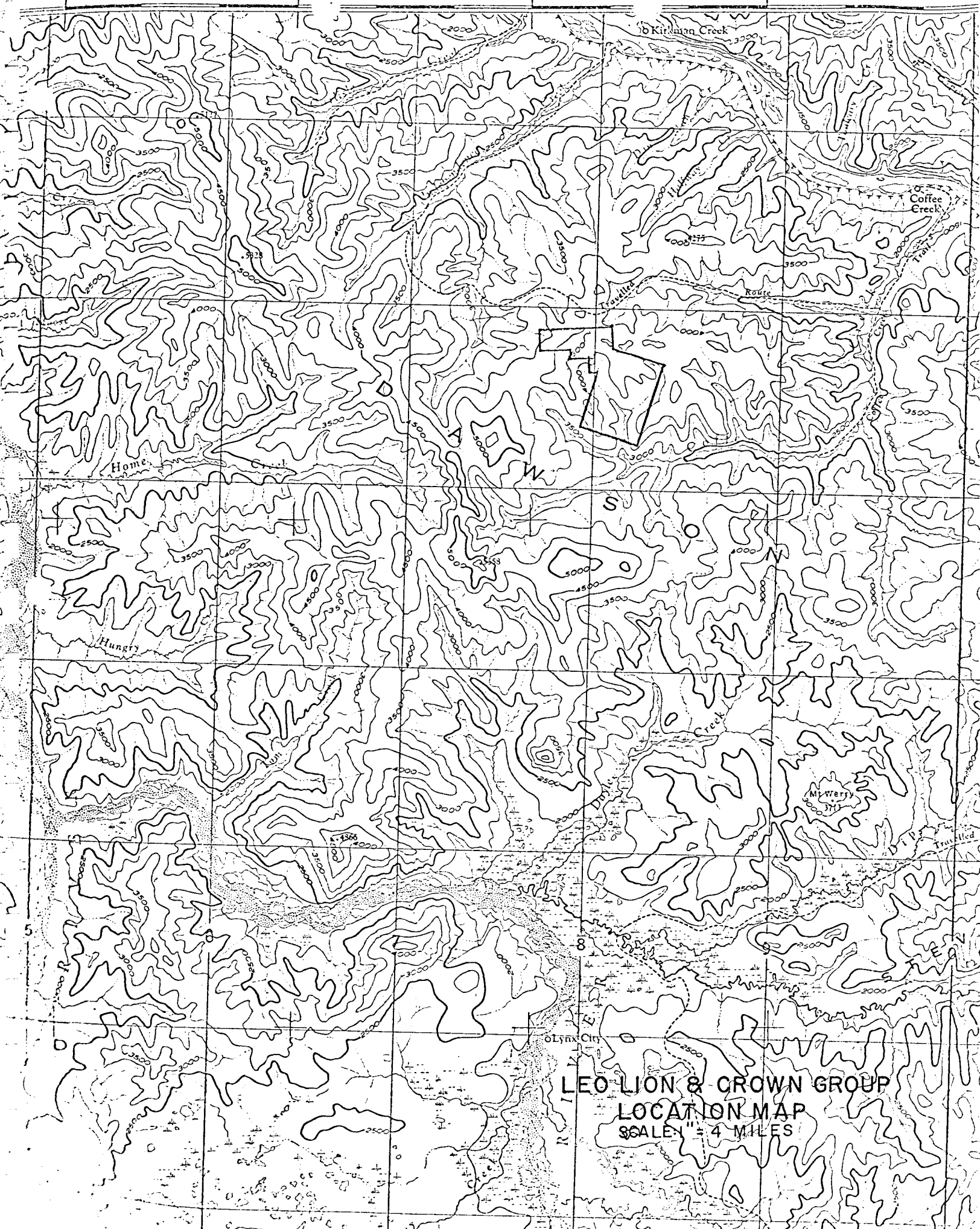
Predominantly fine to medium grained, equigranular biotite granite, quartz monzonite and alaskite, locally miarolitic (a) coarse grained granite complex (west central area of 115-J-14) predominately a biotite granite body with an alaskite core and siliceous leucocratic border phase, possibly unrelated to Home granite.

2 Casino Granitic Complex - Mesozoic

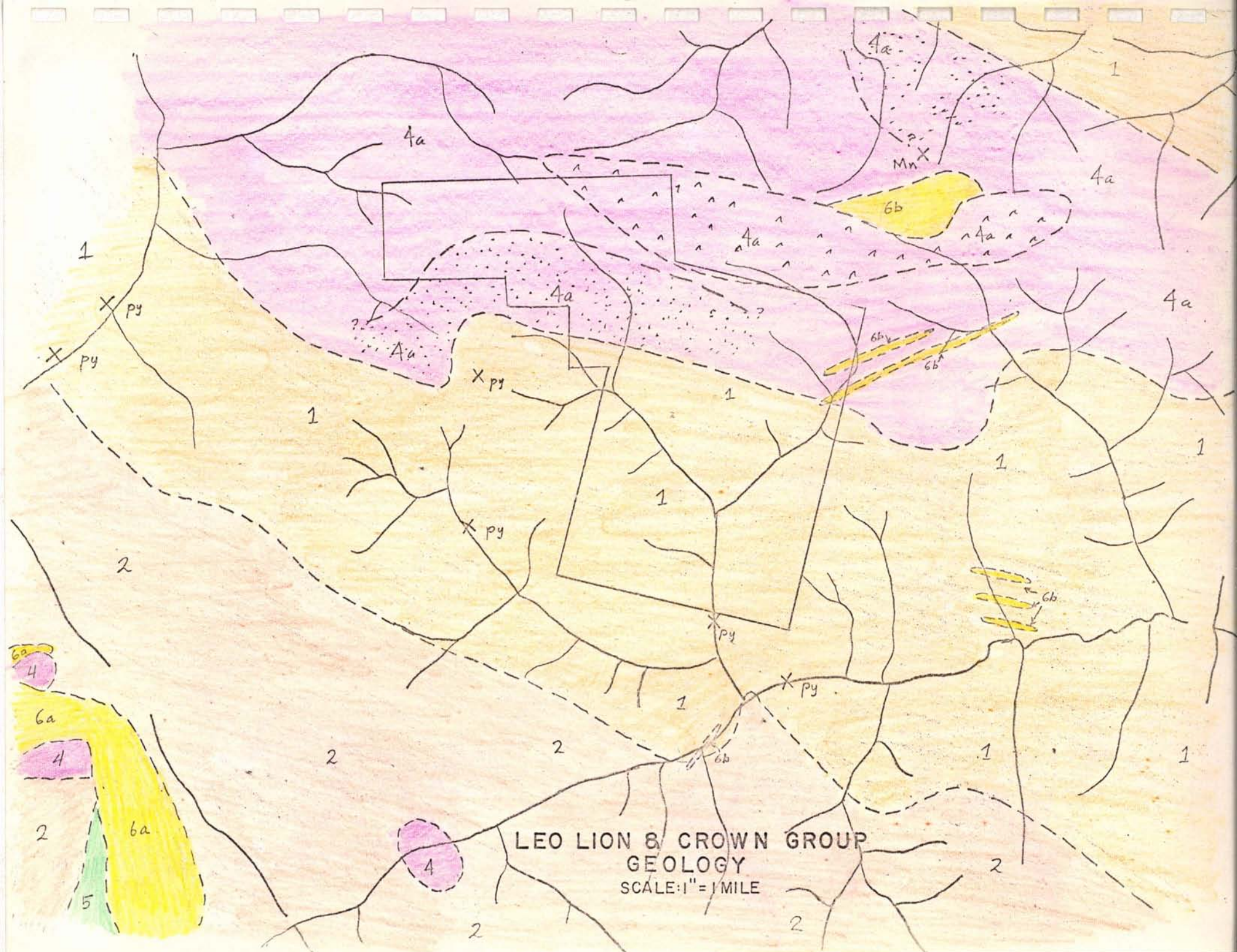
Predominantly medium to coarse-grained, hornblende-rich granodiorite and quartz monzonite. Ranges from granite to diorite, commonly foliated (a) Granitic rock of unknown composition (Cairnes 1917)

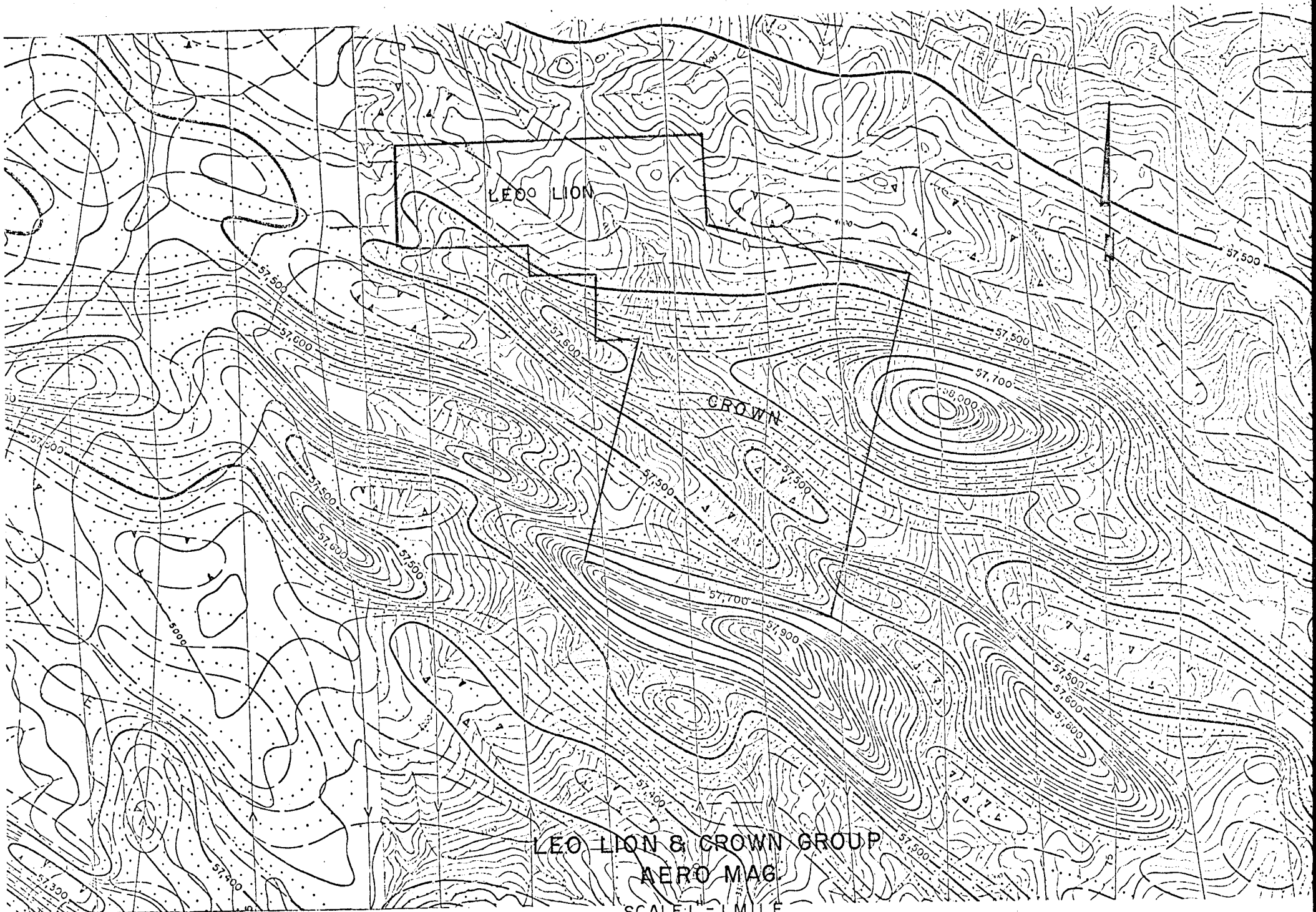
1 Yukon Group - Proterozoic

Schist, gneiss and quartzite



LEO LION & CROWN GROUP
 LOCATION MAP
 SCALE = 4 MILES



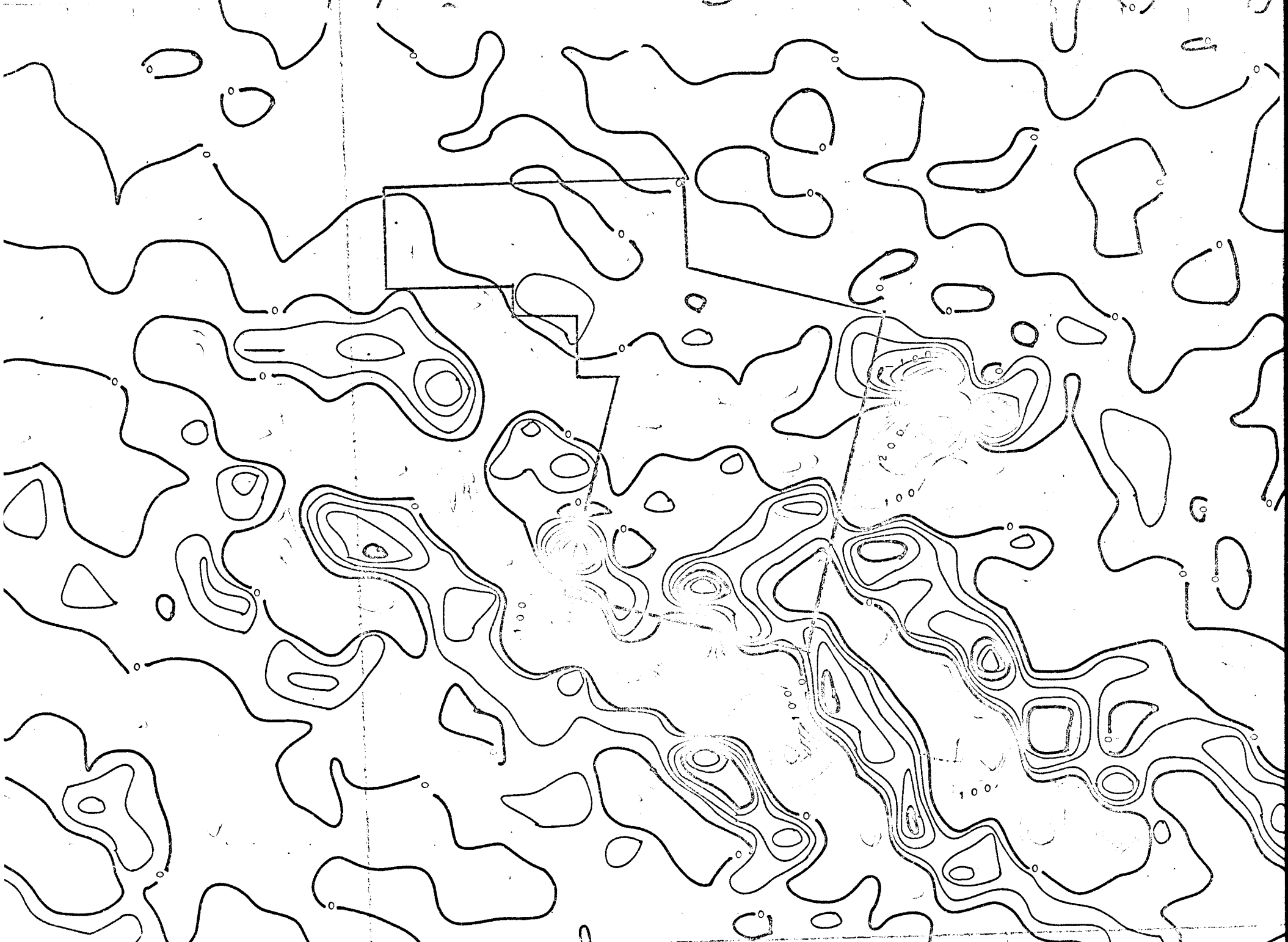


LEO LION

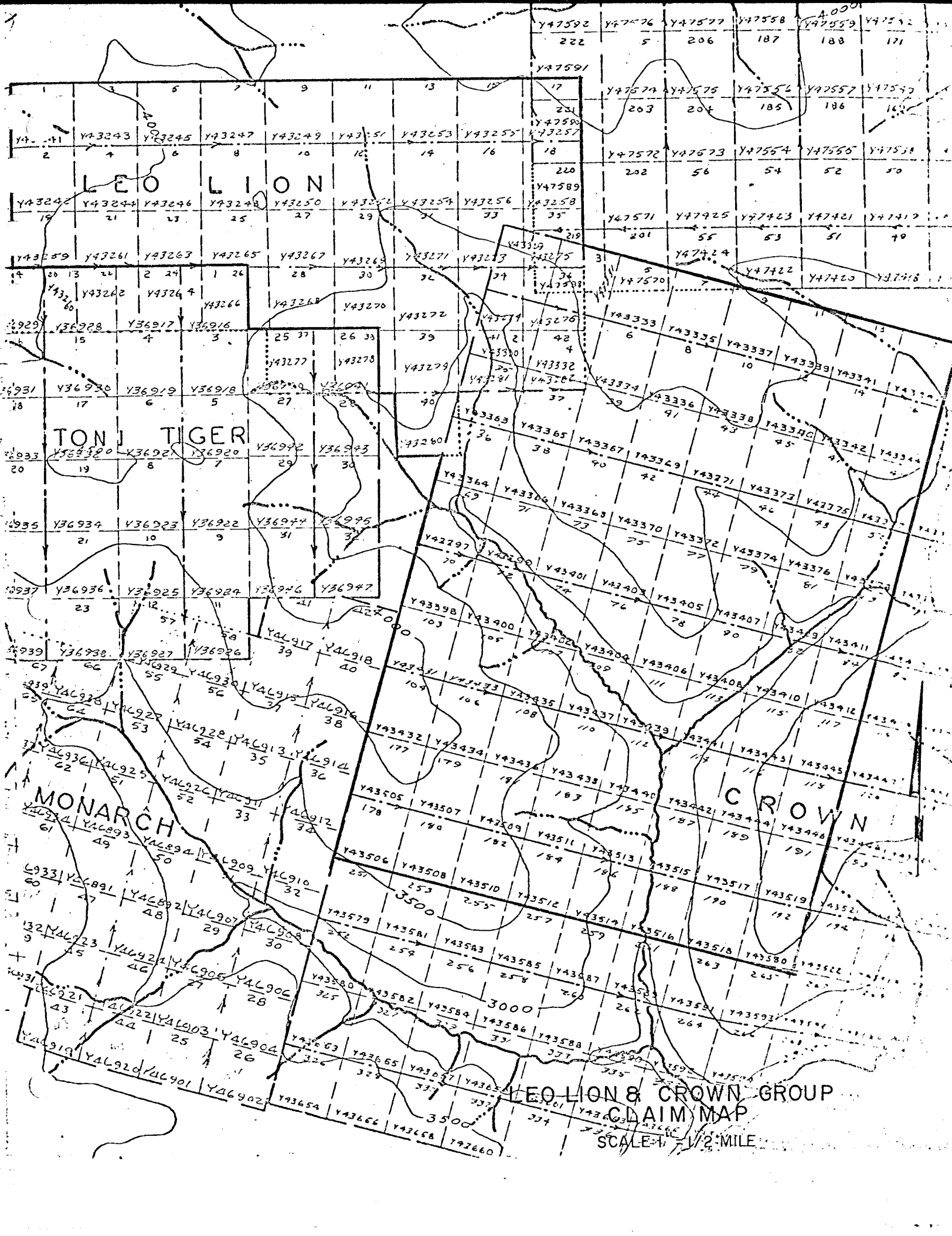
CROWN

LEO LION & CROWN GROUP
AERO MAG

SCALE: 1" = 1 MILE



SECOND VERTICAL DERIVATIVE



LEO LION

TON TIGER

MONARCH

CROWN

LEO LION & CROWN GROUP
CLAIM MAP

SCALE 1/2 MILE

VEGAS GROUP

Geological Notes

The southern half of the Vegas Claim group is underlain by a sill-like granite body (Unit 4) enclosed in Yukon Group gneisses, schist and quartzite. The intrusion is about seven miles long and up to 3/4 mile wide, and is coincident with the regional northwesterly trend. Only the western half of the body is covered by the Vegas Claims.

A belt of magnetic highs coincides with the intrusion.

The granite is zoned and grades from a coarse-grained alaskite in the central part to biotite granite (typical Home Granite (4)) in the peripheral parts. In places the rock is microlitic with minor pyrite and limonite.

A swarm of latite porphyry and rhyolite porphyry dykes, sub-parallel to the granite body, were mapped in the northern half of Vegas Group, and a small stock of latite porphyry occurs a mile southeast of the claims. The latter is abundant on the Casino property to the southeast and appears to be an important phase of the ore bearing intrusive complex.

No detailed geochemical sampling has been done on the claim group. A tributary stream to Coffee creek, which drains the eastern part of the claim group, is anomalous in lead.

TABLE OF FORMATIONS

6 Carmacks Gp. (?) - Tertiary (?)

Extrusive (a) and Intrusive (b) rhyolite, rhyolite porphyry, aplite, felsite, etc.

4 Home Granite - Late Mesozoic or Tertiary

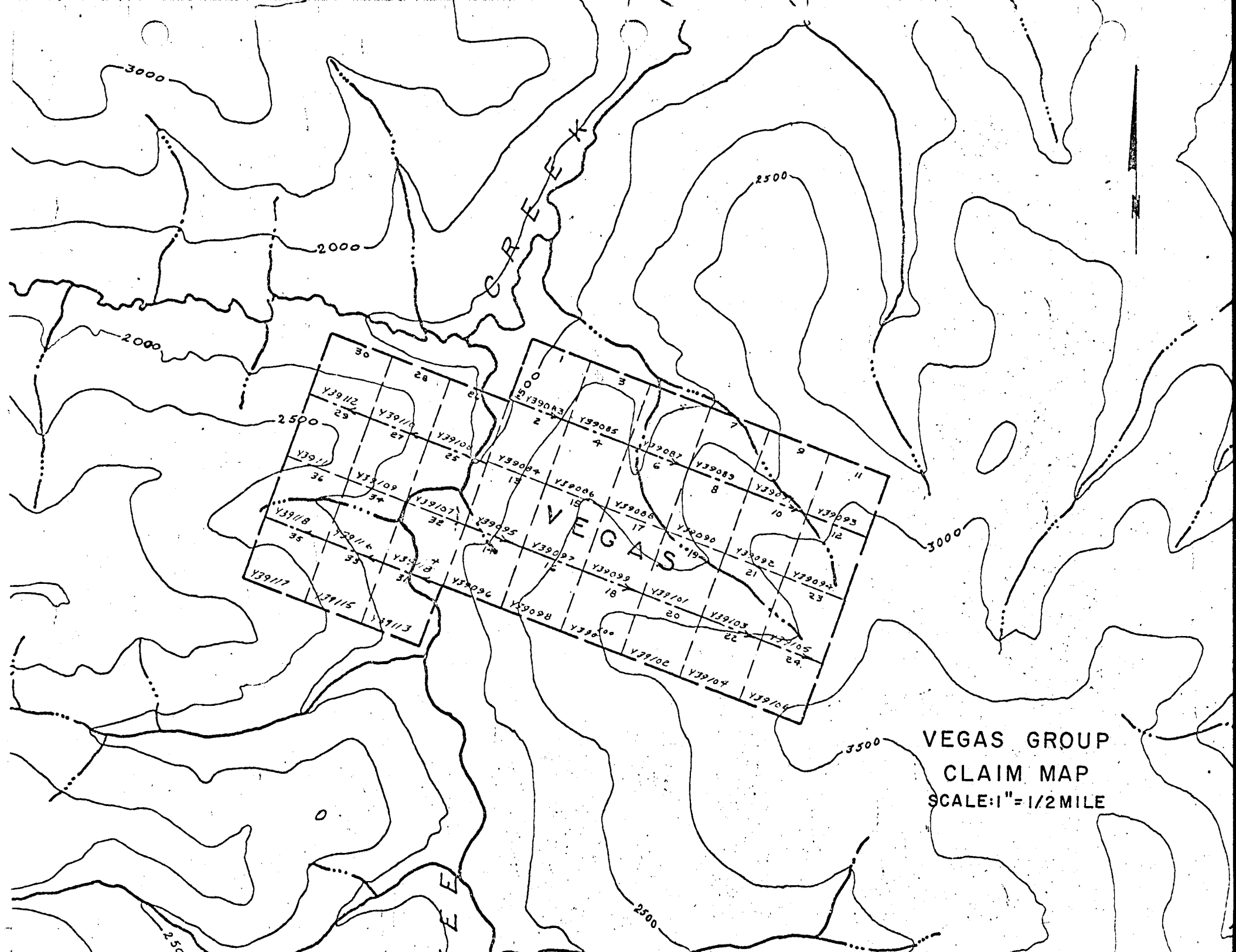
Predominantly fine to medium grained, equigranular biotite granite, quartz monzonite and alaskite, locally miarolitic (a) coarse grained granite complex (west central area of 115-J-14) predominately a biotite granite body with an alaskite core and siliceous leucocratic border phase, possibly unrelated to Home granite.

2 Casino Granitic Complex - Mesozoic

Predominantly medium to coarse-grained, hornblende-rich granodiorite and quartz monzonite. Ranges from granite to diorite, commonly foliated (a) Granitic rock of unknown composition (Cairnes 1917)

1 Yukon Group - Proterozoic

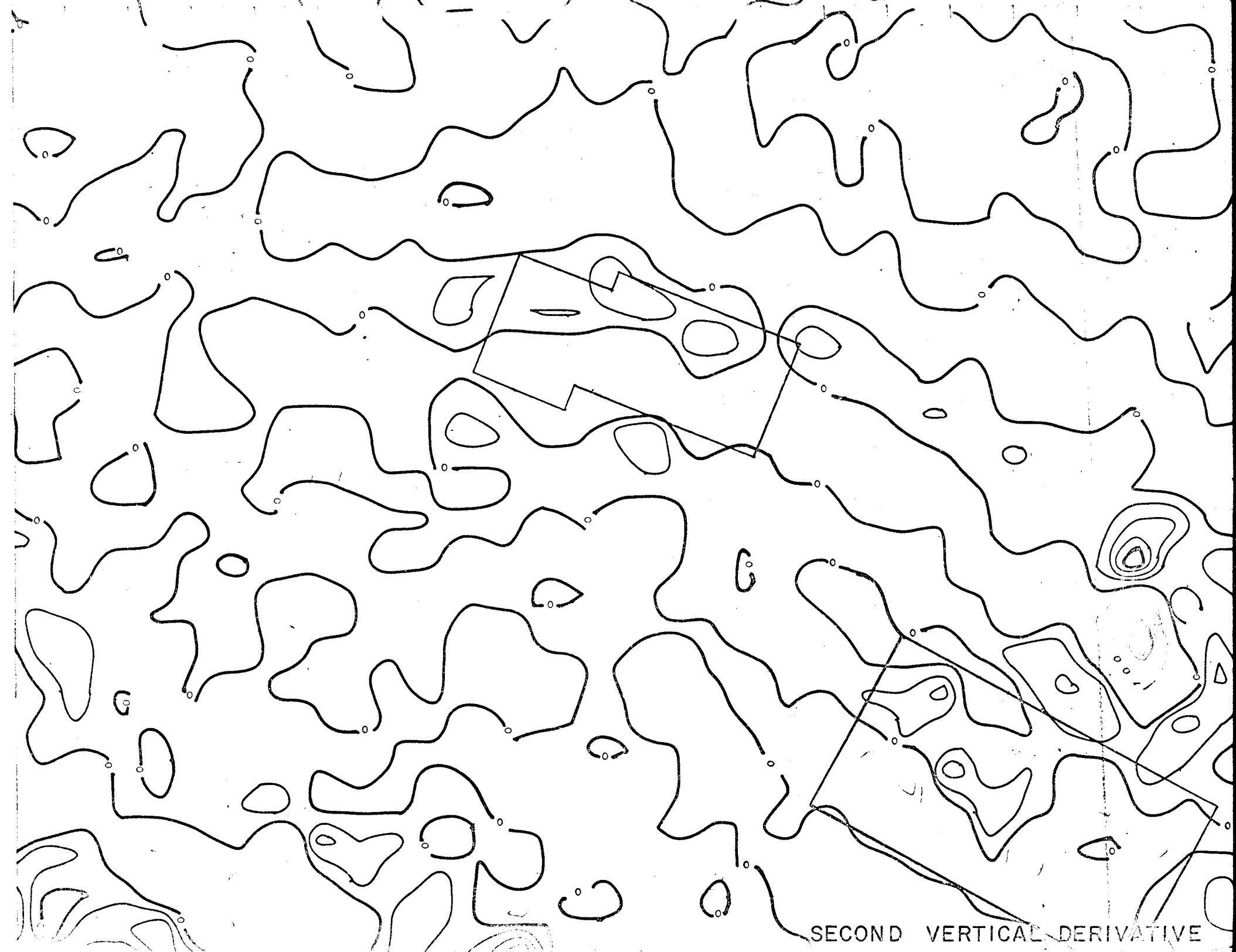
Schist, gneiss and quartzite



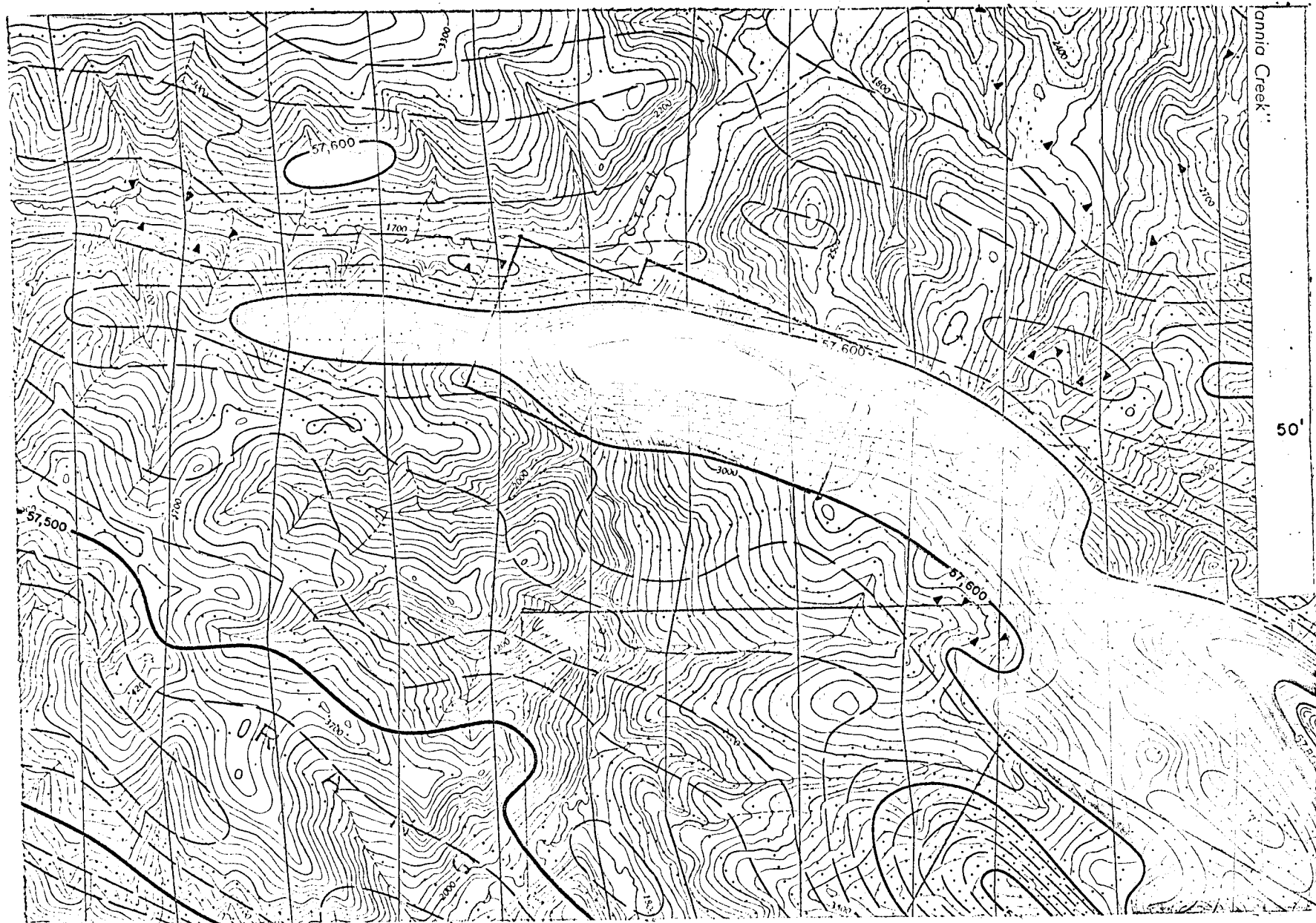
VEGAS GROUP
CLAIM MAP
SCALE: 1" = 1/2 MILE



VEGAS GROUP
LOCATION MAP
 SCALE 1:24 MILES



SECOND VERTICAL DERIVATIVE



VEGAS GROUP
AERO MAG.
SCALE: 1" = 1 MILE



VEGAS GROUP
 GEOLOGY
 SCALE: 1" = 1 MILE