ATLAS EXPLORATIONS LIMITED

HESS RIVER PROJECT REPORT

Figures 1 - 28

December, 1967

by

Clyde L. Smith,
Chief Geologist

fig. 1

REGIONAL GEOLOGY - HESS AREA

LANSING (105-N), NIDDERY LAKE (105-O) SHEETS.

LEGEND:

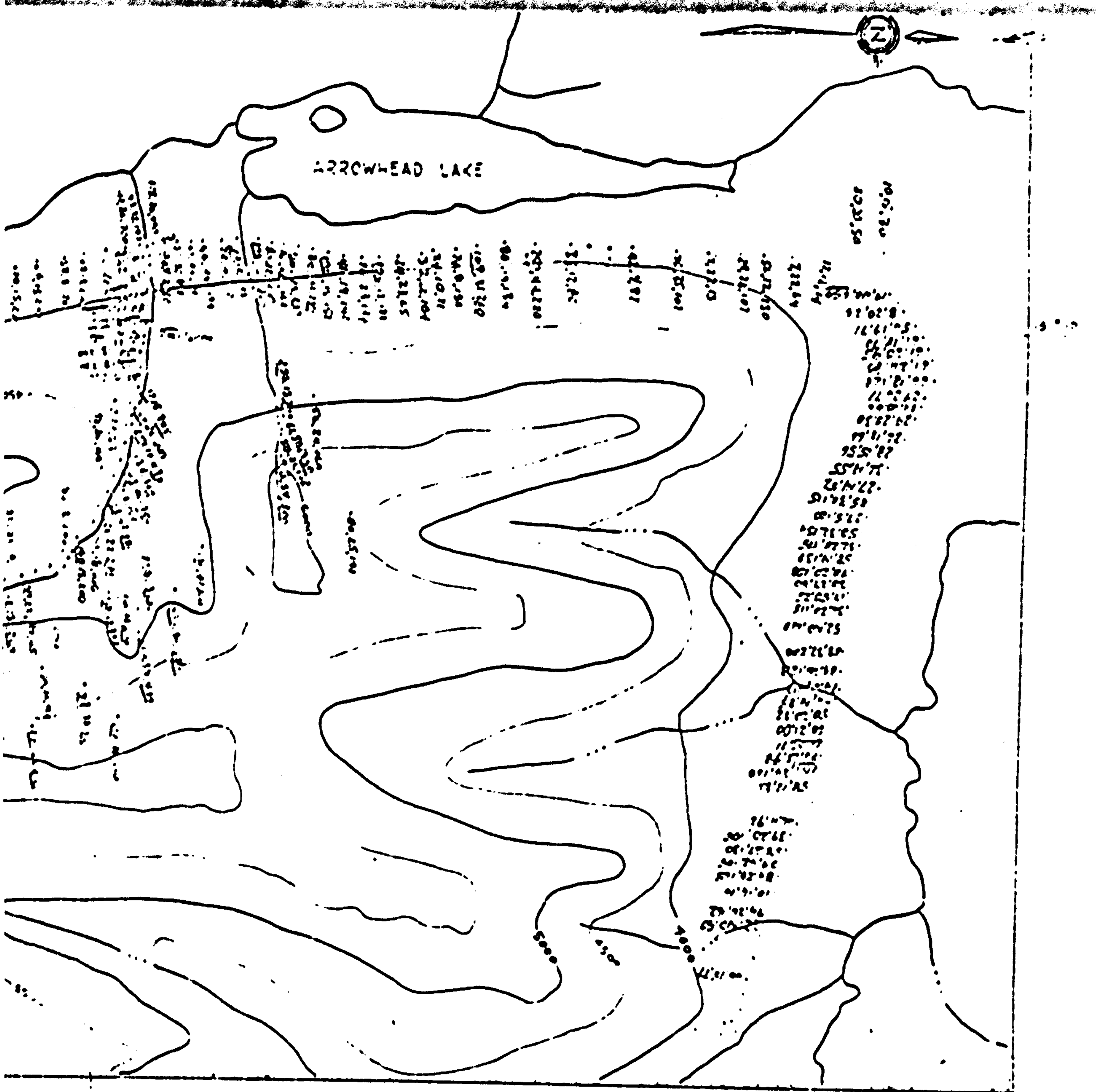
CRETACEOUS	11	GRANITIC INTRUSIVES
ORDOVICIAN-DEVONIAN	3f	GRAY BEDDED CHERT
	3e	ALKALINE BASALT
	3d	CHERT PEBBLE CONGLOMERATE, MINOR QUARTZITE
	3c	PHYLLITE
	3b	DOLOMITE, CALCAREOUS PHYLLITE, MINOR LIMESTONE
	3a	BLACK SLATE - BLACK BEDDED CHERT, ARGILLITE, GREYWACKE.
PROTEROZOIC	1c	VARICOLORED PHYLLITE, MICA SCHIST
	1b	LIMESTONE
	1a	QUARTZITE, FELDSPATHIC QUARTZ SANDSTONE MINOR MICA SCHIST

947

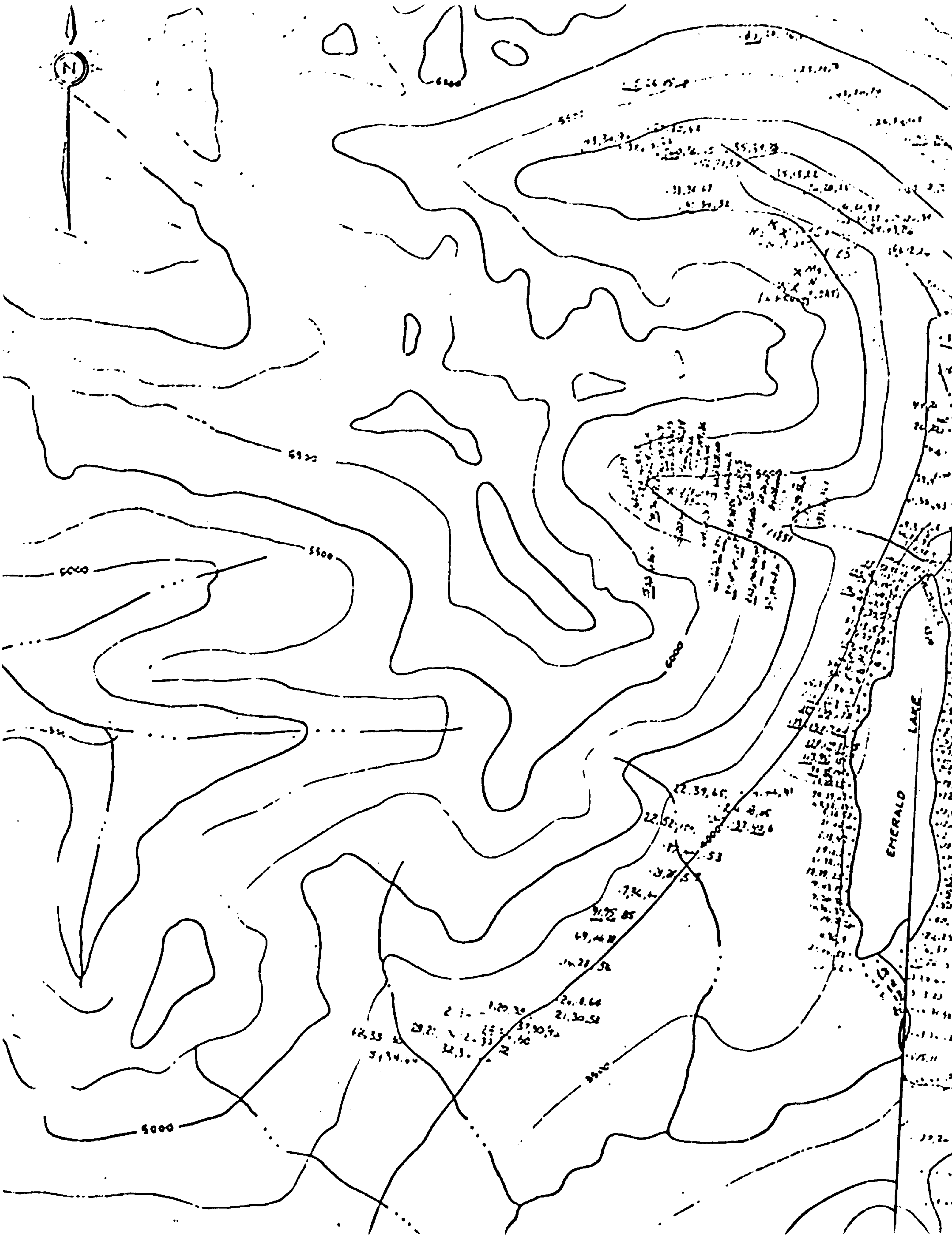
SYMBOLS:

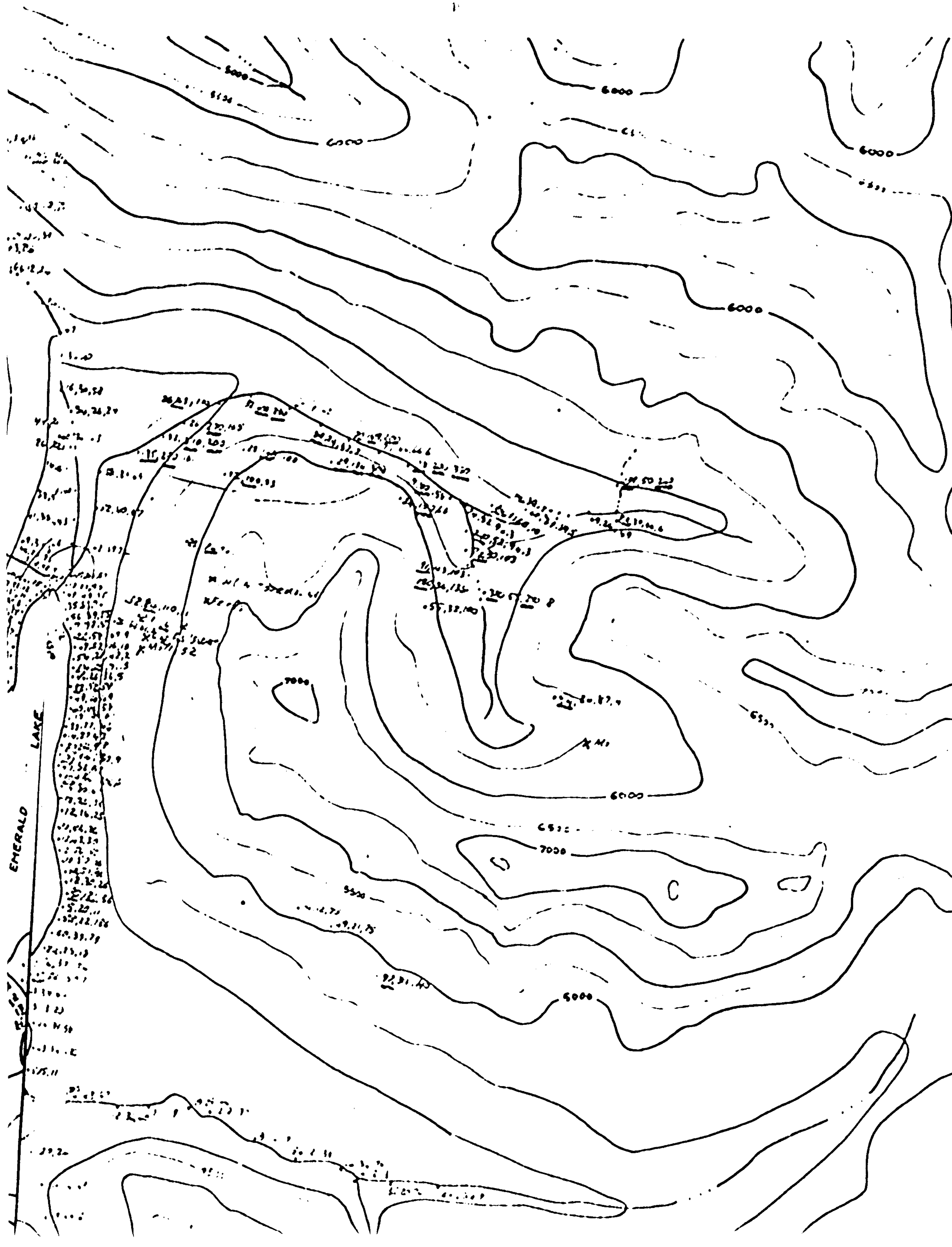
	CONTACTS
	INFERRED FAULT (ARROW, INFERRED THRUST FAULTS)
	FOLIATION BEDDING ALTITUDE
	DRAGFOLD
	SHEAR ZONE
	QUARTZ VEIN
	RUSTY ALTERATION
(RED)	GOSSAN
X (BLACK)	MINERAL SHOWING

GEOCHEM RESULTS - ARROWHEAD L AREA



) L AREA


N
5500
6000
5000
EMERALD
LAKE


6000
7000
6500
5500
EMERALD
LAKE

ATLAS EXPLORATIONS LIMITED

[illegible] WORK SHEET

GEOCHEMICAL

PEGGY GOSSAN RESULTS

Report Number A-71

From HESS PROPERTY #1

Tested For Cu Pb Zn

Date Sept 1/67

Weight of Sample

Extraction

Volume Used

Analyst Blake, RLS.

Sample Number Ours	Sample Number Yours	Cu	PPM	Pb	PPM	Zn	PPM		PPM		PPM		PPM
1	A-RDH 1		19		26		210						
2	2		23		29		220	S. [illegible] 10					
3	3		6[illegible]		7		160						
4	4		2		140		950						
5	5		21		14		2[illegible]						
6	6		10		10		1051	S.E. Vel [illegible]					
7	7		13		7		2300						
8	8		30		17		84						
9	CSH 8	[illegible] SITE 1	16		720		440						
10	9	"	13		340		210						
11	10	[illegible] SITE 2	5		210		480						
12	11	"	5		65		200	N. [illegible] R.					
13	12	STREAM SILT	6[illegible]		200		275						
14	13	[illegible] SITE 3	[illegible]		65		22						
15	14	SOIL IN [illegible]	[illegible]		2[illegible]		190						
16	15		[illegible]		[illegible]		130	[illegible]					
17	16		24		17		135						
18	17		15		43		148	[illegible]					
19	18		12		23		130	S.E. [illegible]					
20	19		25		14		38						
21	20	[illegible]	2		14		200						
22	21	[illegible]	3		10		610						
23	22	[illegible]	3		140		9						
24	23	[illegible]	2		14		630	N. [illegible]					
25	24	[illegible]	24		25		2600						
26	25	[illegible]	40		17		1200						
27	26	[illegible]	43		20		1300						
28	27		8		14		120						
29	28		5		7		190						
30	29		[illegible]		[illegible]		[illegible]						

				[illegible]	[illegible]	130	[illegible]
17		16		14	17	135	[illegible]
18		17		15	13	108	[illegible]
19		18		12	23	120	S.T. [illegible]
20		19		25	14	38	
		20	[illegible]	2	14	200	
22		21	[illegible]	3	10	[illegible]	
23		22	[illegible]	3	10	9	
24		23	[illegible]	2	14	630	N. [illegible]
25		24	[illegible]	14	25	200	
26		25	[illegible]	16	17	120	
27		26	[illegible]	43	21	130	
28		27		8	14	120	
29		28		5	7	120	
30		29		5	10	130	
31		30		11	2	[illegible]	N [illegible]
32		31		10	13	130	
33		32		15	22	130	N. [illegible]
34		33		9	9	[illegible]	N.K. [illegible]
35		34		100	13	[illegible]	[illegible]
36		35		100	21	[illegible]	
37		36		[illegible]	14	[illegible]	
[illegible]		31		[illegible]	10	[illegible]	[illegible]
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]					

ATLAS EXPLORATIONS LIMITED

ANALYTICAL WORK SHEET

GEOCHEMICAL

Report Number A-71

From HESS PRIORITY #1

Tested For Cu Pb Zn

Date Sept 1/67

Weight of Sample

Extraction

Volume Used

Analyst [illegible] R.L.S.

SAMPLE NUMBER													
OURS	YOURS	Cu	PPM	Pb	PPM	Zn	PPM		PPM		PPM		PPM
42	HB[illegible]3		[illegible]		1540	~~NC~~	1400		? Blue Pb [illegible].				
43	H. 15		56		36	~~2.5~~	280						
44	16		8		20	~~2.5~~	205						
45	17		24		17	~~2.5~~	208						
46	18		34		20		47						
47	19		9		38		32						
48	20		29		23		92		— [illegible]				
49	21		24		20		4[illegible]		Gossan [illegible]				
50	22		19		23		540						
51	23		24		23		38						
52	24		46		14		78						
53	25		45		20		162						
54	A.H. 14		27		26		210		— S. [illegible]				
55	15		35		2[illegible]		154						
56	16		19		10		116		— E. Art Lake.				
57	17		47		17		240						
58	18		27		14		42						
59	19		78		20		120						
60	20		5		11		44		— N. [illegible]				
61	21		47		17		28						
62	22		34		14		140		— E. [illegible] L.				
63	23		10		14		200		— E. [illegible] L.				
64	24		16		NC		48						
65	25		82		42		26						ARO
66	26		46		29		52		— [illegible]				
67	27		210		20		21						
68	28		24		17		64		— N. Tom Cr.				
69	29		47		20		260						
70	30		210		14		950						
71	31		[illegible]		[illegible]		[illegible]						

54	A.H.	14	27	20	112	
55		15	35	20	210	— S. Lake H.
56		16	19	2[illegible]	154	
57		17	47	10	116	— E. Art Lake.
58		18	27	17	240	
59		19	72	14	42	
60		20	5	20	130	
61		21	47	11	44	— N. John L. G.
62		22	34	17	25	
63		23	10	14	140	— L. [illegible] L.
64		24	16	14	200	— E. [illegible] L.
65		25	82	NC	42	
66		26	66	42	20	
67		27	210	29	52	— Mi[illegible] — [illegible] H!
68		28	24	20	21	
69		29	47	17	64	— N. Tam. G.
70		30	210	20	2[illegible]	
71		31	[illegible]	14	350	
72		32	47	14	40[illegible]	— Tam [illegible]
73		33	[illegible]	14	20[illegible]	
74		34	31	10	27	?
75		35	[illegible]	17	16	?
76		36	4	27	310	S.E. [illegible] Lake
77		37	6	10	24	
78	1	38	19	10	203	N. P[illegible]
79		39	10	17	205	— S. [illegible]
80		40	11	7	20[illegible]	
81		41	[illegible]	18	20[illegible]	
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	?

ARo

ATLAS EXPLORATIONS LIMITED

ANALYTICAL WORK SHEET

GEOCHEMICAL

Report Number A-71

From HESS PRIORITY #1

Tested For Cu Pb Zn

Date Sept 1/67

Weight of Sample

Extraction

Volume Used

Analyst Bl[illegible], R.L.S.

SAMPLE NUMBER OURS	YOURS	Cu	PPM	Pb	PPM	ZN	PPM		PPM		PPM		PPM
83	A.H. 43		102		14		72	N. R[illegible]		E. – S. Hi[illegible]			
[illegible]	44		ND		17		210	N. P[illegible] P					
85	45		ND		ND		47						
86	46		16		14		86	N.W. Emora L.L.					
87	47		92		17		160						
88	48		150		12		78						
89	49		12		10		23						
90	50		92		17		66						
91	51		19		[illegible]		58	S.E. Hill[illegible]		[illegible]			
92	52		21		ND		104						
93	53		5		12		36						
94	54		66		20		74						
95	55		[illegible]		9		62	P[illegible] G.		W. M. P[illegible]			

ATLAS EXPLORATIONS LIMITED

ANALYTICAL WORK SHEET

GEOCHEMICAL

Report Number A-84

From HESS

Tested For

Date Sept 21/67

Weight of Sample

Extraction

Volume Used

Analyst Blake

SAMPLE NUMBER OURS	YOURS	Cu	PPM	Pb	PPM	Zn	PPM		PPM		PPM		PPM
1	A.H 56A		46		—		—						
2	69		43		—		—						
3	70		65		—		116						
4	71		67		—		—						
5	72		177		—		106						
6	73		170		—		170		[illegible]				
7	74		114		—		94		[illegible]				
8	75		67		—		300						
9	76		230		—		230						
10	77		110		—		370						
11	L.L. 471		58		—		410						
12	472		116		—		450						
13	473		56		—		1000						
14	474		65		—		900						
15	475		67		—		370						
16	476		71		—		810						
17	477		63		—		530						
18	478		51		—		400						
19	479		—		—		120						
20	480		37		—		136						
21	481		69		—		239						
22	482		57		—		200						
23	483		—		—		124						
24	484		45		—		136						
25	485		—		—		149						
26	486		110		—		410						
27	487		51		—		240						

9	76	230	—	230
10	77	110	—	570
11	L.L. 471	58	—	410
12	472	116	—	450
13	473	56	—	450
14	474	65	—	400
15	475	61	—	310
16	476	11	—	810
17	477	63	—	530
18	478	51	—	400
19	479	—	—	120
20	480	37	—	136
21	481	69	—	239
22	482	57	—	200
23	483	—	—	124
24	484	45	—	136
25	485	—	—	149
26	486	110	—	410
27	487	51	—	240
28	488	86	—	350
29	489	110	—	710
30	490	75	—	200
31	491	126	—	740
32	492	—	—	—
33	493	45	—	150
34	494	88	—	200
35	495	81	—	790
36	496	—	—	310
37	497	38	—	510
38	498	130	—	500
39	499	38	—	1110
40	500	40	—	500
41	501	[illegible]	—	[illegible]

ATLAS EXPLORATIONS LIMITED

ANALYTICAL WORK SHEET

GEOCHEMICAL

Report Number A-88

From HESS

Tested For Cu, Pb, Zn

Date Sept. 27/67

Weight of Sample

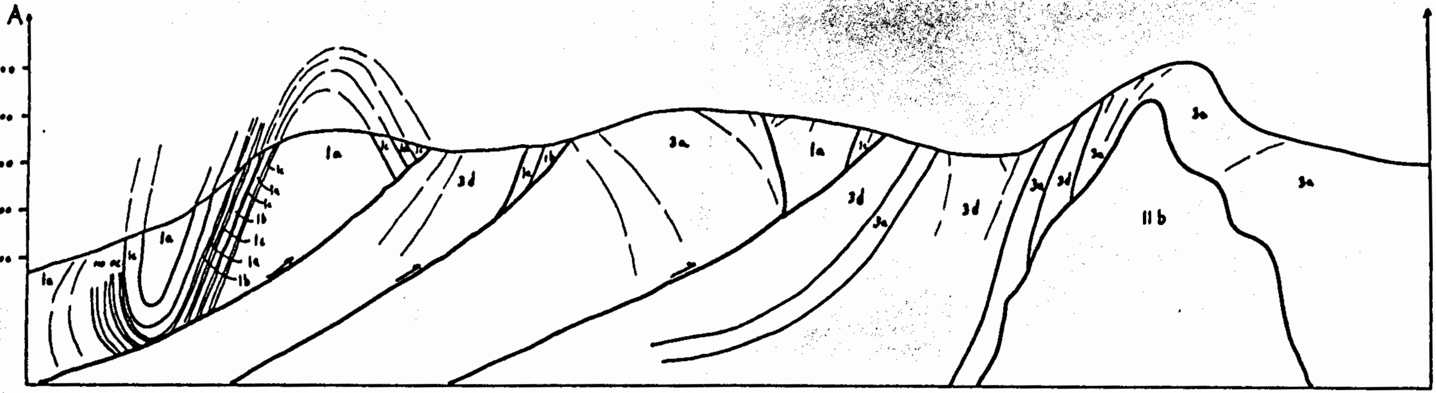
Extraction

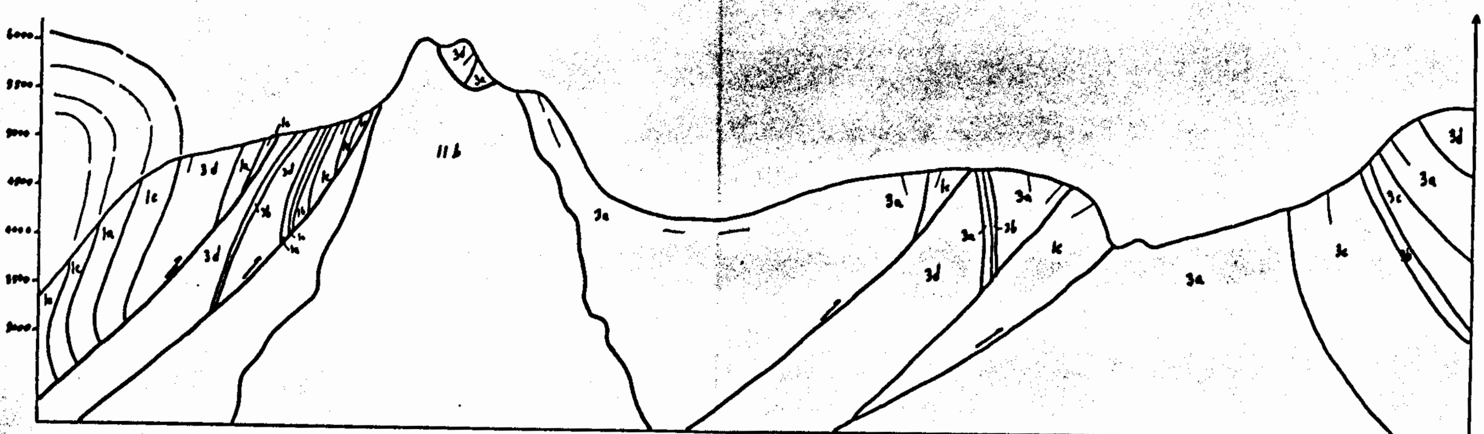
Volume Used

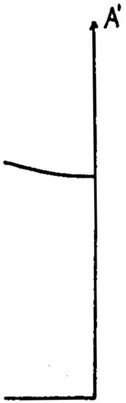
Analyst Blake

SAMPLE NUMBER OURS	YOURS	Cu	PPM	Pb	PPM	Zn	PPM		PPM		PPM		PPM
1	MI.G. 1		—		—		120						
2	2		—		—		192						
3	3		60		—		180						
4	4		38		—		—						
5	5		—		—		—						
6	6		86		—		—						
7	7		—		—		87						
8	8		—		—		—						
[illegible]	9		—		—		170						
10	10		—		—		370						
11	11		45		—		170						
12	MI 183		67		—		152						
13	184		—		—		—						
14	185		37		—	90	[illegible]						
15	186		44		40		123						
16	187		33		—		88						
17	188		30		—		—						
18	189		39		—		124						
19	190		36		—		200						
20	191		36		—		116						
21	192		57		—		103						
22	193		35		—		93						
23	194		44		—		126						
24	195		32		—		108						
25	196		36		—		107						
[illegible]	197		62		—		195						
27	198		56		—		230						
28	199		44		—		170						
29	200		32		—		135						
30	201		33		—		—						

1	1		[illegible]				
5	5		—		—		—
6	6		86		—		—
7	7		—		—		87
9	8		—		—		—
	9		—		—		170
10	10		—		—		370
11	11		44		—		110
12	M.L. 183		67		—		152
13	184		—		—		—
14	185		37		—	90	[illegible]
15	186		44		40		123
16	187		33		—		88
17	188		30		—		—
18	189		39		—		124
19	190		36		—		200
20	191		36		—		116
21	192		57		—		103
22	193		35		—		93
23	194		44		—		126
24	195		32		—		108
25	196		36		—		107
	197		62		—		195
27	198		56		—		230
28	199		44		—		170
29	200		32		—		135
30	201		33		—		—
31	202		—		—		—
32	203		39		—		124
33	204		38		—		120
34	205		—		—		106
35	206		39		—		131
36	207		65		—		200
37	208		—		—		—
38	209		83		—		—
39	210		33		—		—
40	211		[illegible]		—		[illegible]
[illegible]	212		[illegible]				[illegible]


A
A'
1a
1b
1c
3a
3d
11b


B'
11b
3d
3a
1a
1c



ATLAS EXPLORATIONS LTD

ROSS RIVER, Y.T.

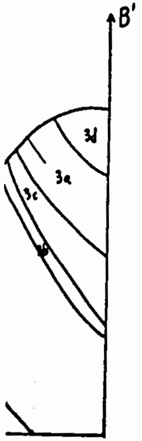
GEOLOGIC CROSS-SECTIONS

FAIRWEATHER LAKE AREA

MAP SHEET 105-N

HORIZONTAL SCALE 1": 1 MILE

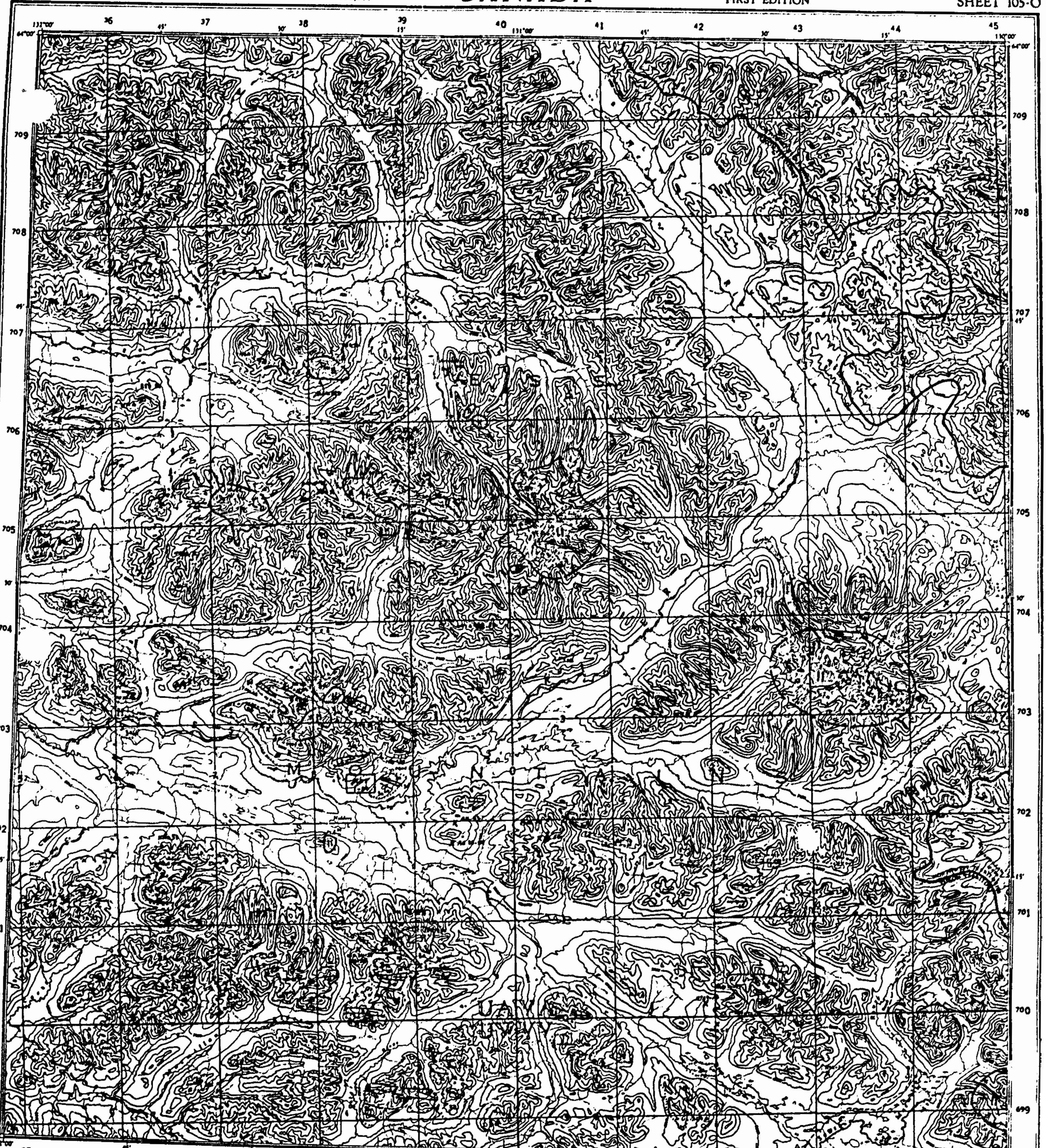
VERTICAL SCALE 1": 1000'



LEGEND:

CRETACEOUS	11	GRANITIC INTRUSIVES
ORDOVICIAN-DEVONIAN	3f	GRAY BEDDED CHERT
	3e	ALKALINE BASALT
	3d	CHERT PEBBLE CONGLOMERATE
	3c	PHYLLITE
	3b	DOLOMITE, CALCAREOUS PHYLLITE, MINOR LIMESTONE
	3a	BLACK SLATE - BLACK BEDDED CHERT, ARGILLITE, GREYWACKE.
PROTEROZOIC	1c	VARICOLORED PHYLLITE, MICA SCHIST
	1b	LIMESTONE
	1a	QUARTZITE, FELDSPATHIC QUARTZ SANDSTONE MINOR-MICA SCHIST

NATIONAL TOPOGRAPHIC SYSTEM 1:250,000 **CANADA** FIRST EDITION SHEET 105-O



NIDDERY LAKE

YUKON TERRITORY · NORTHWEST TERRITORIES

Scale 1:250,000

REFERENCE

NATIONAL TOPOGRAPHIC SERIES

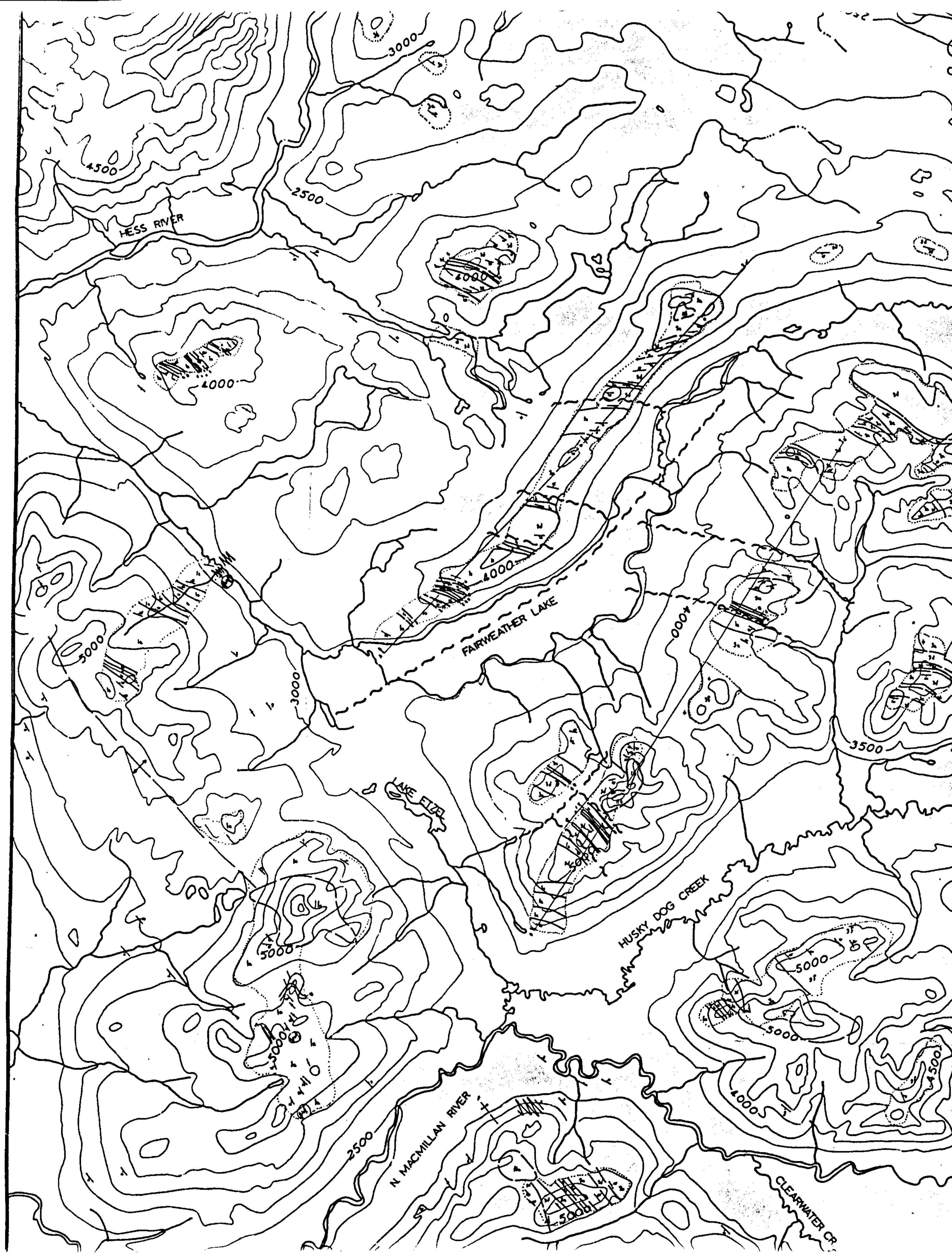
DEPARTMENT OF NATIONAL DEFENCE
ARMY SURVEY ESTABLISHMENT

FIRST EDITION

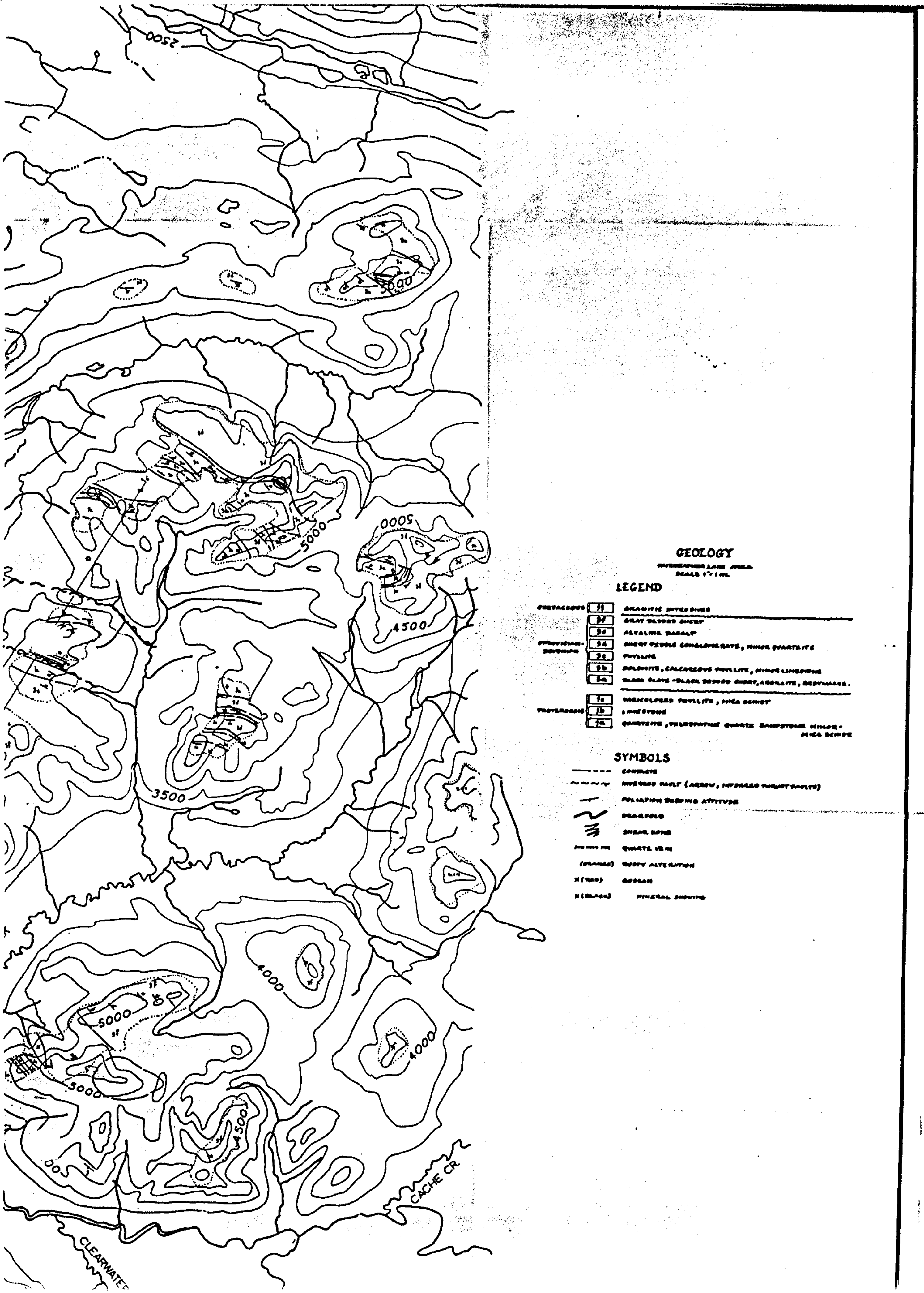
CANADA SHEET 105 N

LANSING

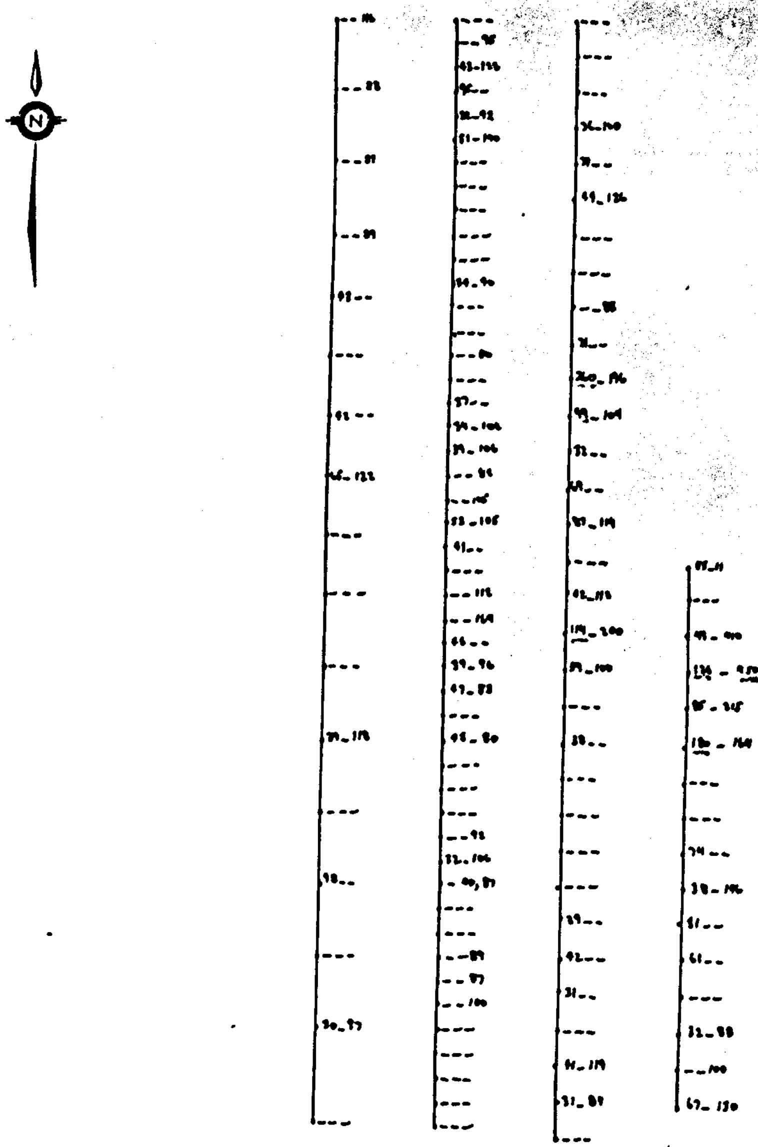
YUKON TERRITORY



4500
3000
2500
HESS RIVER
4000
4000
4000
FAIRWEATHER LAKE
4000
5000
3000
3500
LAKE ETZEL
5000
HUSKY DOG CREEK
5000
5000
5000
4500
4000
2500
N. MACMILLAN RIVER
5000
CLEARWATER CR


2500
5000
4500
3500
4000
CACHE CR.
CLEARWATER
GEOLOGY
SCALE 1" = 1 MI.
LEGEND
CRETACEOUS
GRANITIC INTRUSIVES
GRAY BEDDED CHERT
ALKALINE BASALT
ORDOVICIAN-DEVONIAN
CHERT PEBBLE CONGLOMERATE, MINOR QUARTZITE
PHYLLITE
DOLOMITE, CALCAREOUS PHYLLITE, MINOR LIMESTONE
BLACK SLATE - BLACK BEDDED CHERT, ARGILLITE, GREYWACKE.
VARICOLORED PHYLLITE, MICA SCHIST
PROTEROZOIC
LIMESTONE
QUARTZITE, FELDSPATHIC QUARTZ SANDSTONE MINOR-MICA SCHIST
SYMBOLS
CONTACTS
INFERRED FAULT (ARROW, INFERRED THRUST FAULTS)
FOLIATION BEDDING ATTITUDE
DRAGFOLD
SHEAR ZONE
QUARTZ VEIN
(ORANGE) RUSTY ALTERATION
X (RED) GOSSAN
X (BLACK) MINERAL SHOWING

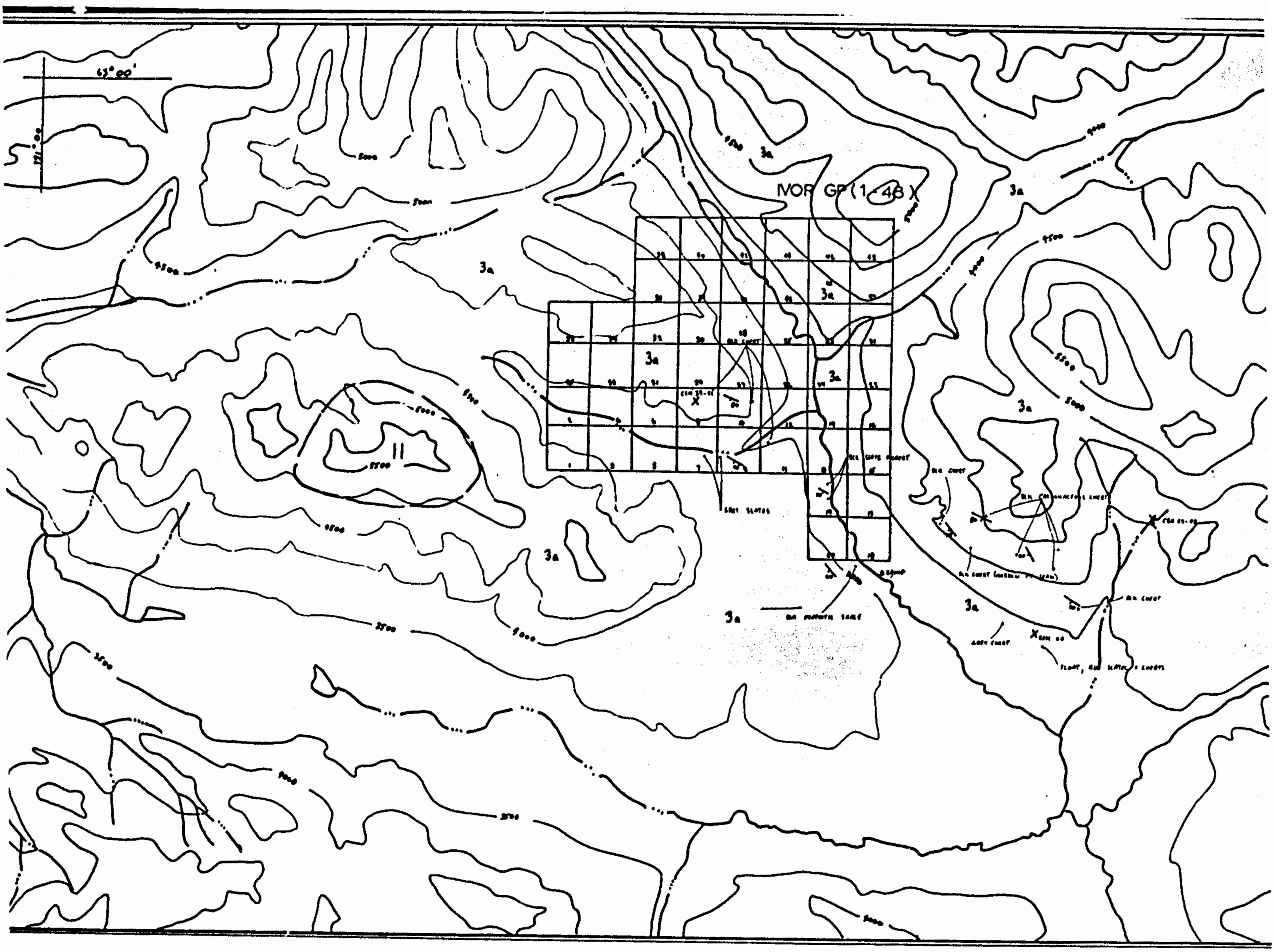
105 J -13



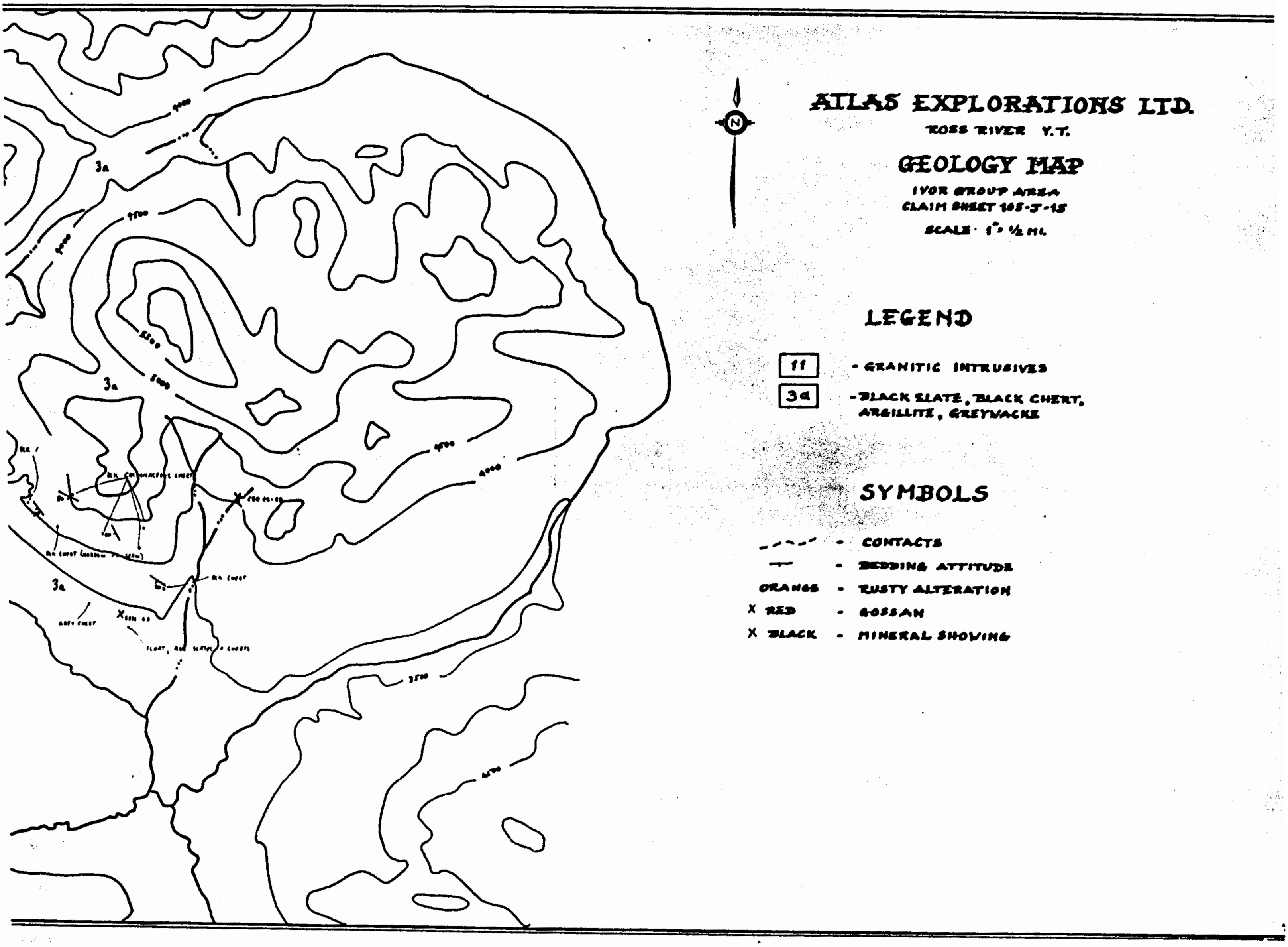
SYL GOSSAN SOIL SAMPLE GRID

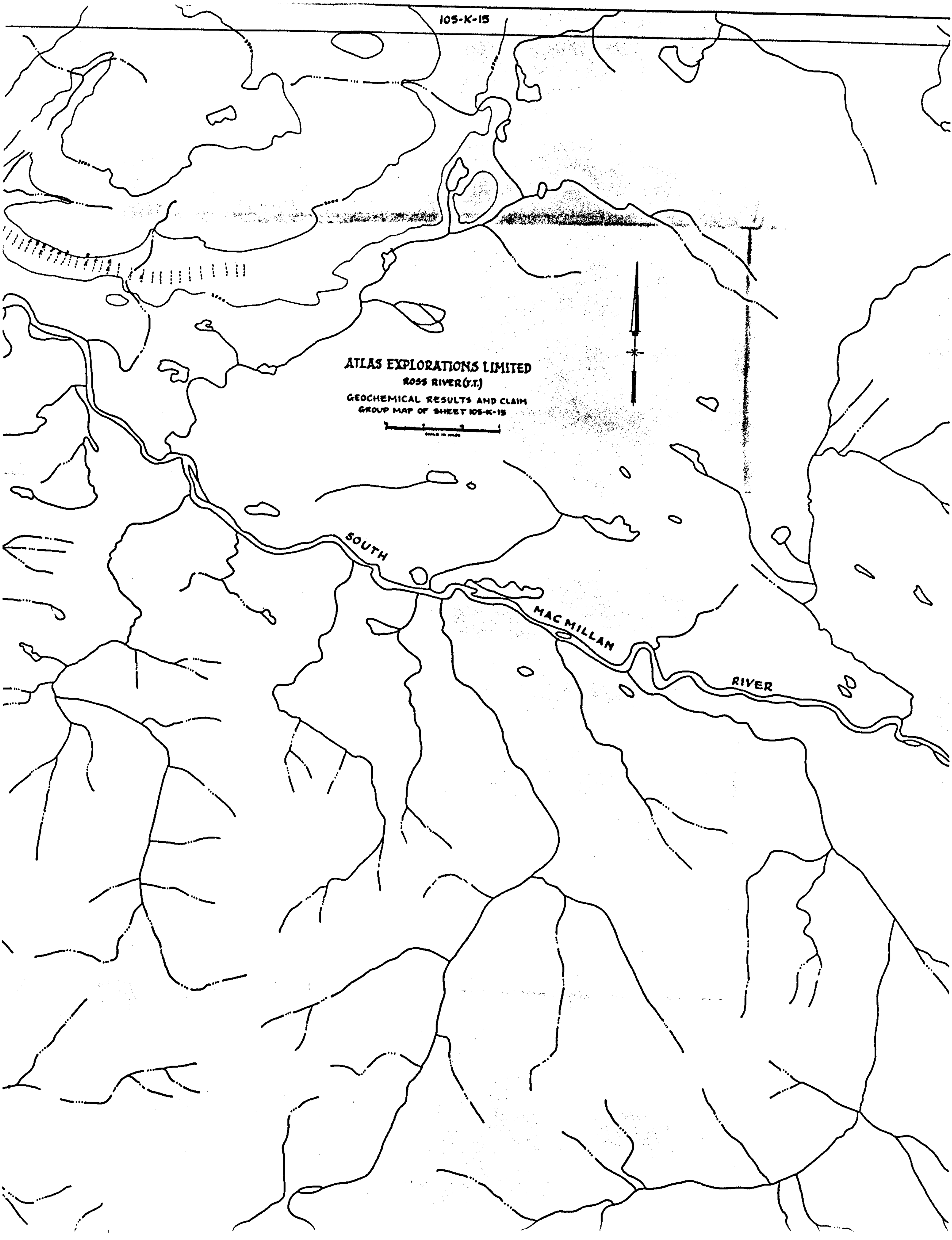
SE. Van Lake Area

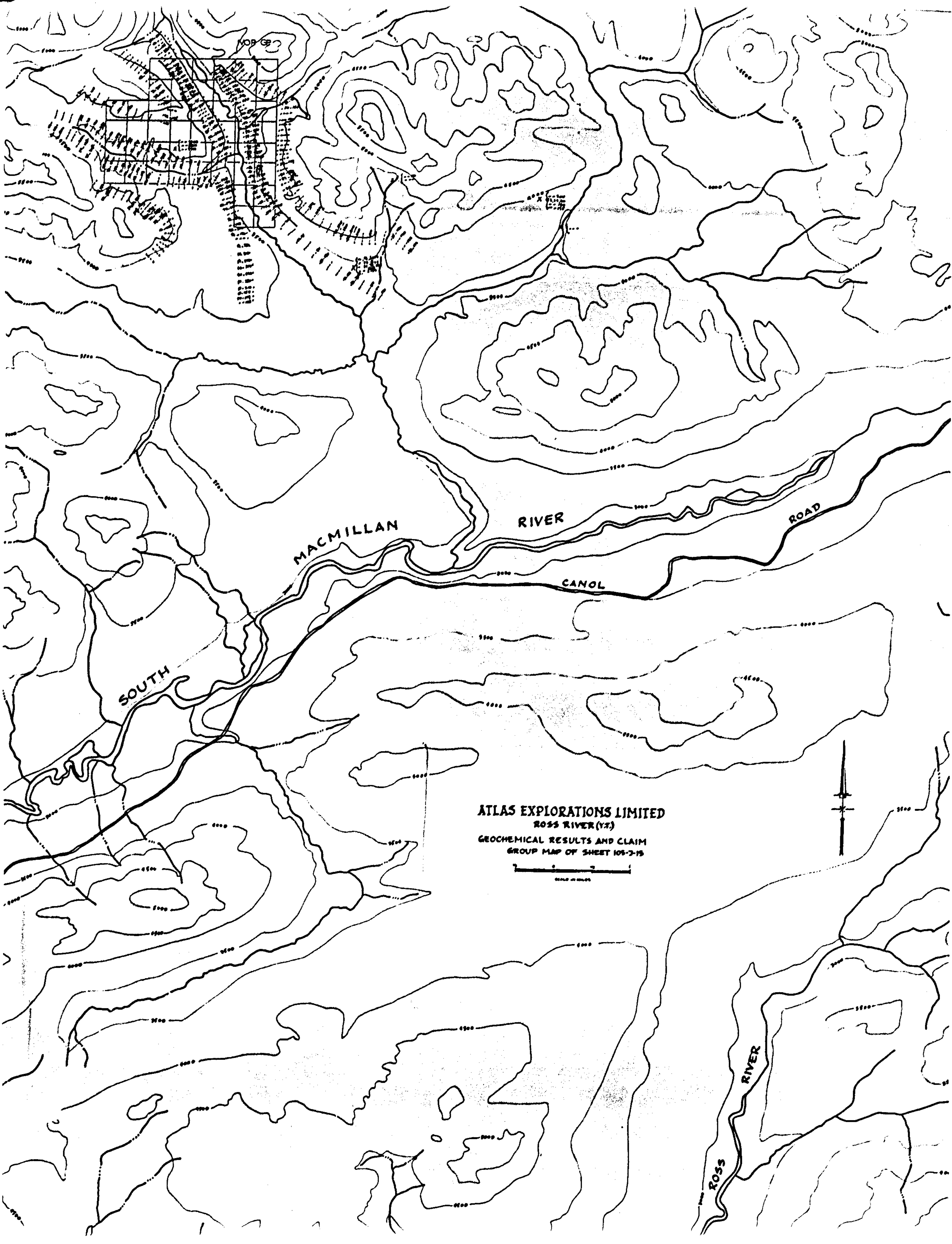
Scale : 1" : 1000'



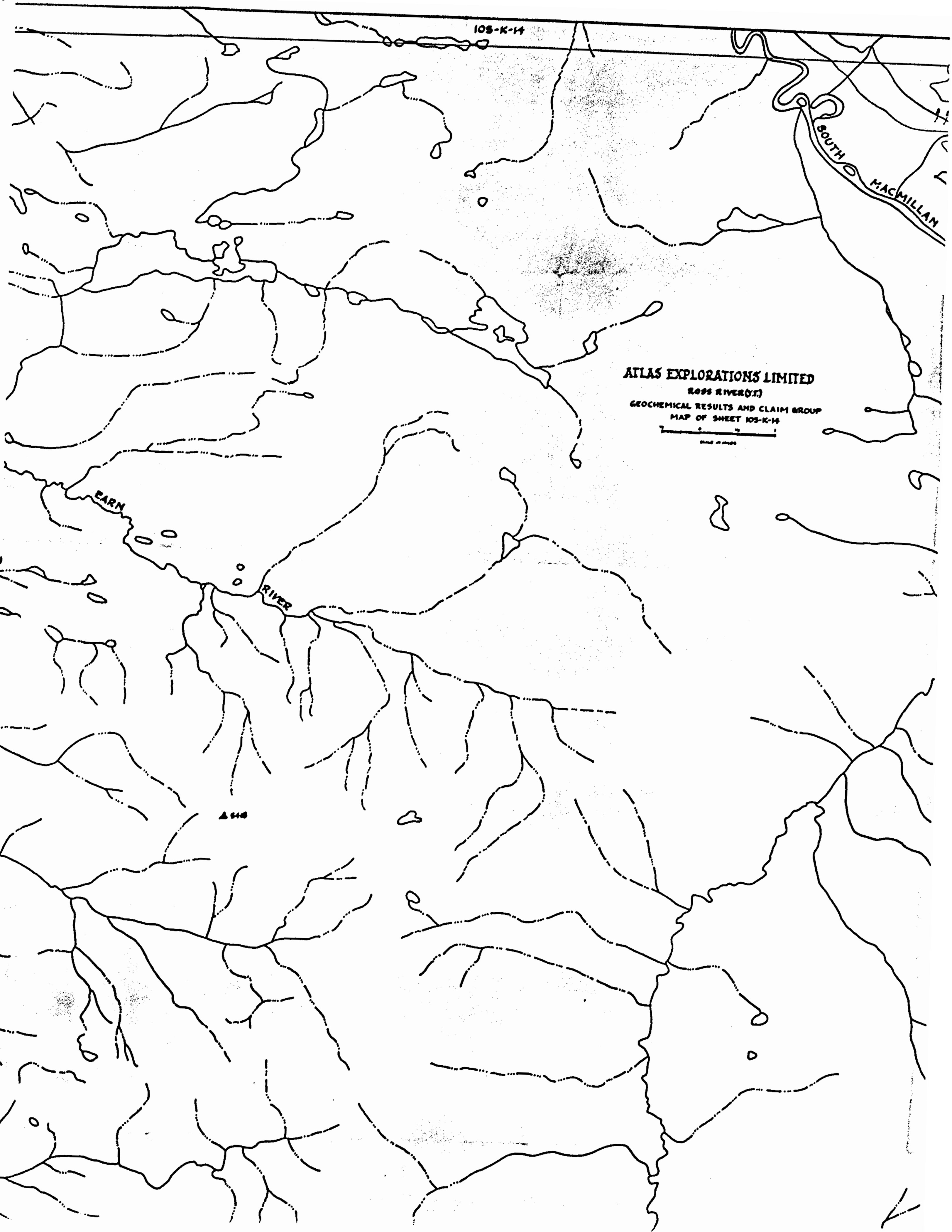
63°00'
IVOR GP (1-48 X)
3a
11

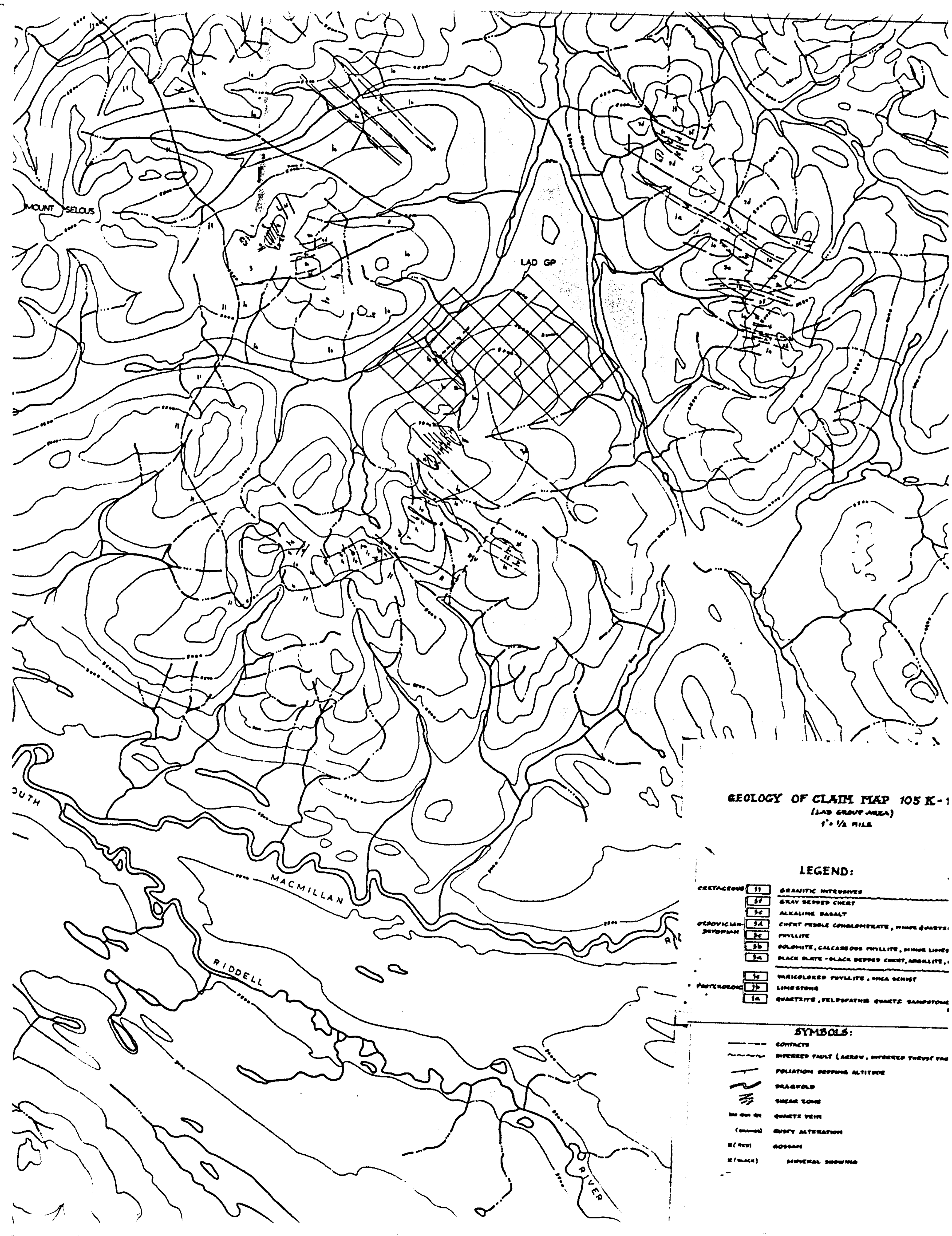

ATLAS EXPLORATIONS LTD.
ROSS RIVER Y.T.
GEOLOGY MAP
IVOR GROUP AREA
CLAIM SHEET 105-J-15
SCALE 1" = 1/2 MI.
LEGEND
11 - GRANITIC INTRUSIVES
3a - BLACK SLATE, BLACK CHERT, ARGILLITE, GREYWACKE
SYMBOLS
- CONTACTS
- BEDDING ATTITUDE
ORANGE - RUSTY ALTERATION
X RED - GOSSAN
X BLACK - MINERAL SHOWING
3a
3a
3a
4000
4500
5000
5500
4500
4000
3500
4500


105-K-15
ATLAS EXPLORATIONS LIMITED
ROSS RIVER (Y.T.)
GEOCHEMICAL RESULTS AND CLAIM
GROUP MAP OF SHEET 105-K-15
SOUTH
MAC MILLAN
RIVER

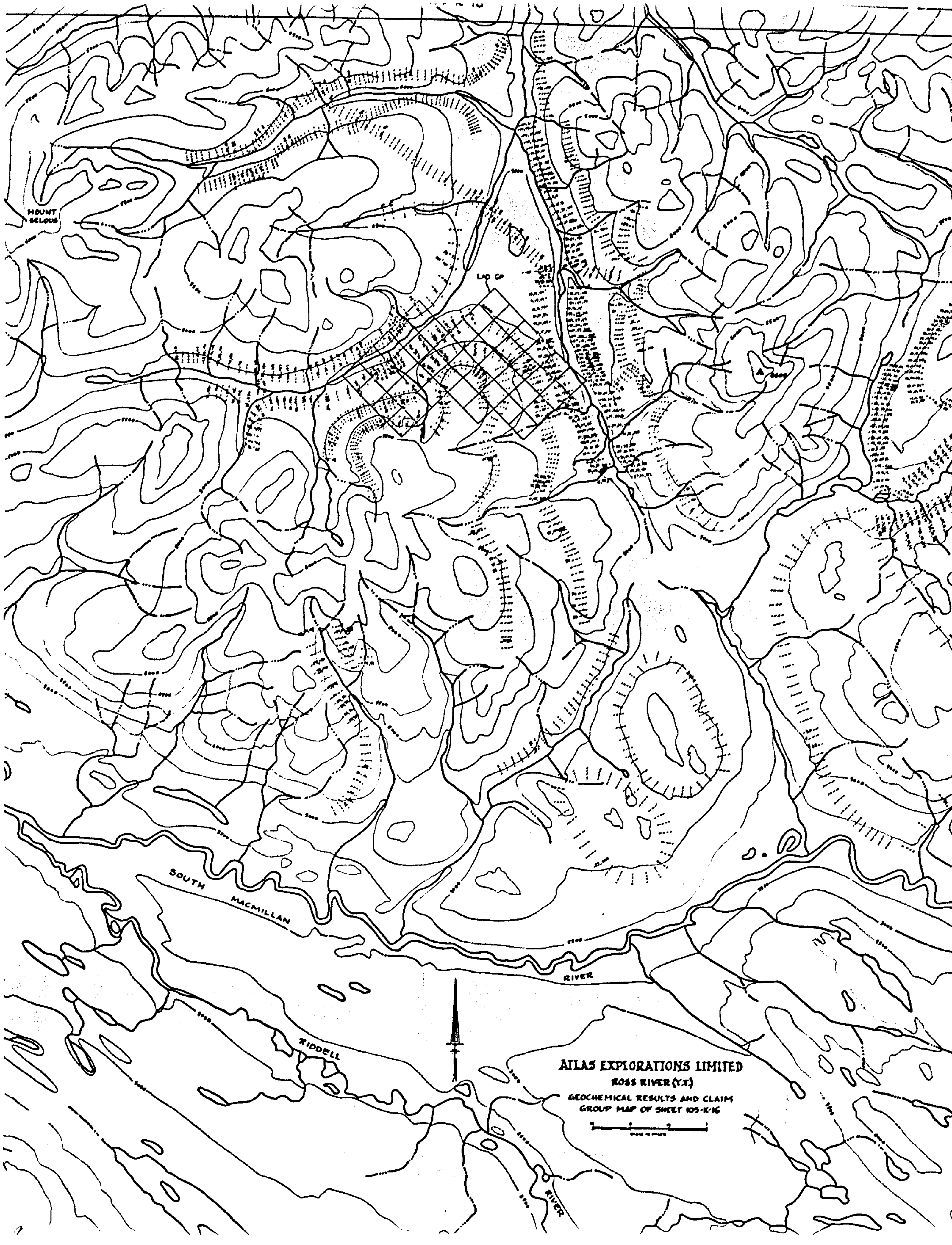


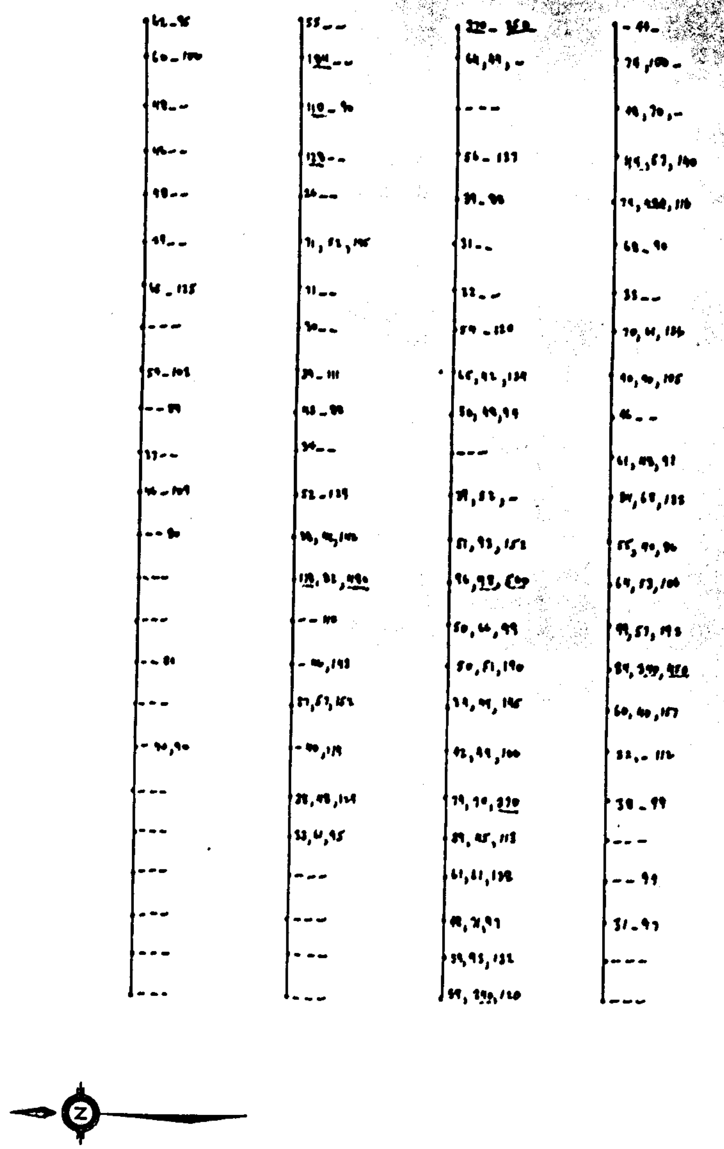
ATLAS EXPLORATIONS LIMITED
ROSS RIVER (Y.T.)
GEOCHEMICAL RESULTS AND CLAIM
GROUP MAP OF SHEET 105-J-15
SOUTH
MACMILLAN
RIVER
CANOL
ROAD
ROSS
RIVER


105-K-14
SOUTH MACMILLAN
ATLAS EXPLORATIONS LIMITED
ROSS RIVER (Y.T.)
GEOCHEMICAL RESULTS AND CLAIM GROUP
MAP OF SHEET 105-K-14
EARN RIVER



MOUNT SELOUS
LAD GP
SOUTH
MACMILLAN
RIDDELL
RIVER
GEOLOGY OF CLAIM MAP 105 K-1
(LAD GROUP AREA)
1" = 1/2 MILE
LEGEND:
CRETACEOUS
11 GRANITIC INTRUSIVES
3f GRAY BEDDED CHERT
3e ALKALINE BASALT
ORDOVICIAN-DEVONIAN
3d CHERT PEBBLE CONGLOMERATE, MINOR QUARTZ
3c PHYLLITE
3b DOLOMITE, CALCAREOUS PHYLLITE, MINOR LIMES
3a BLACK SLATE - BLACK BEDDED CHERT, ARGILLITE,
PROTEROZOIC
1c VARICOLORED PHYLLITE, MICA SCHIST
1b LIMESTONE
1a QUARTZITE, FELDSPATHIC QUARTZ SANDSTONE
SYMBOLS:
CONTACTS
INFERRED FAULT (ARROW, INFERRED THRUST FAU
FOLIATION BEDDING ALTITUDE
DRAGFOLD
SHEAR ZONE
QUARTZ VEIN
(ORANGE) RUSTY ALTERATION
X (RED) GOSSAN
X (BLACK) MINERAL SHOWING

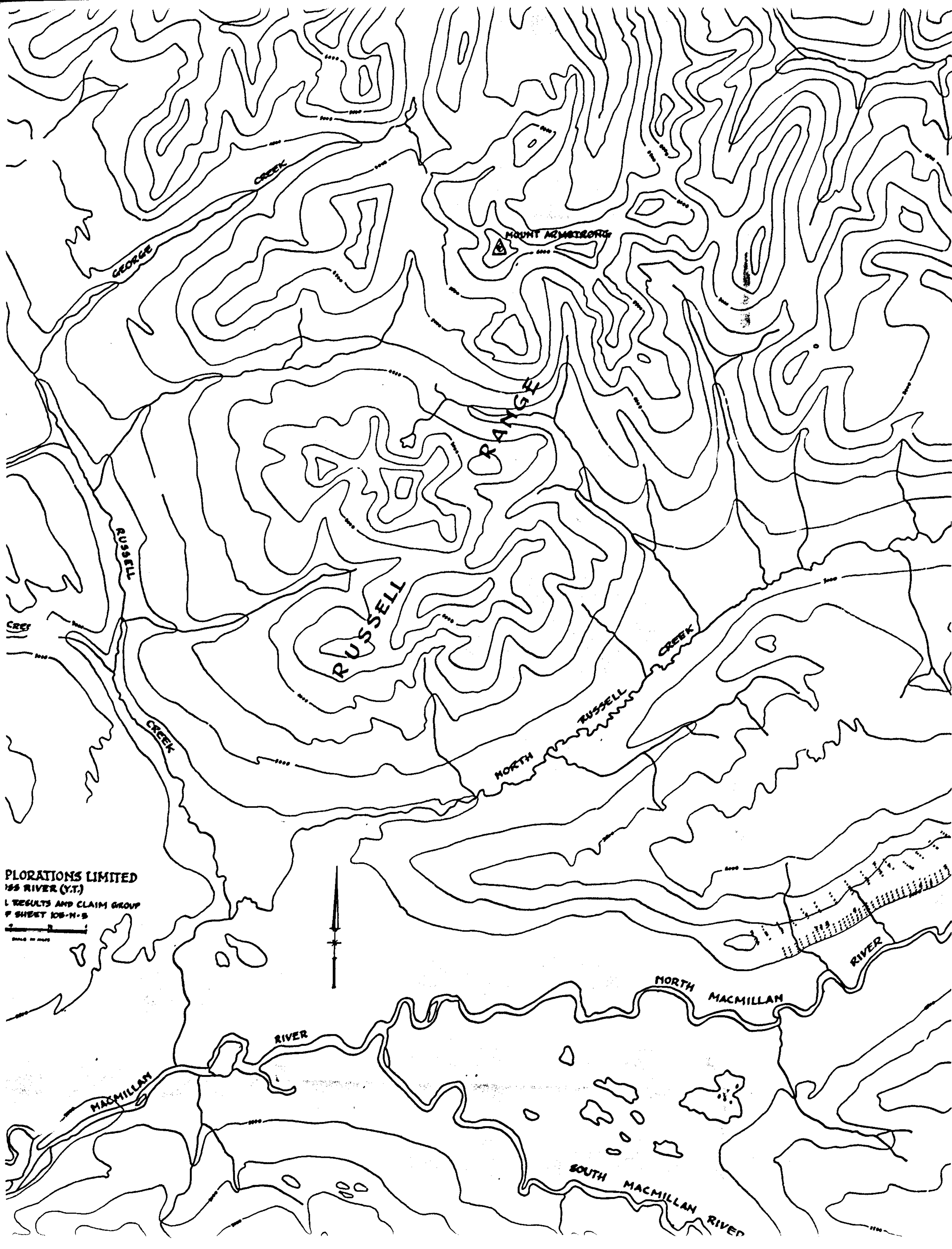

MOUNT SELOUS
LAD GP
SOUTH MACMILLAN RIVER
RIDDELL RIVER
ATLAS EXPLORATIONS LIMITED
ROSS RIVER (Y.T.)
GEOCHEMICAL RESULTS AND CLAIM GROUP MAP OF SHEET 105-K-16

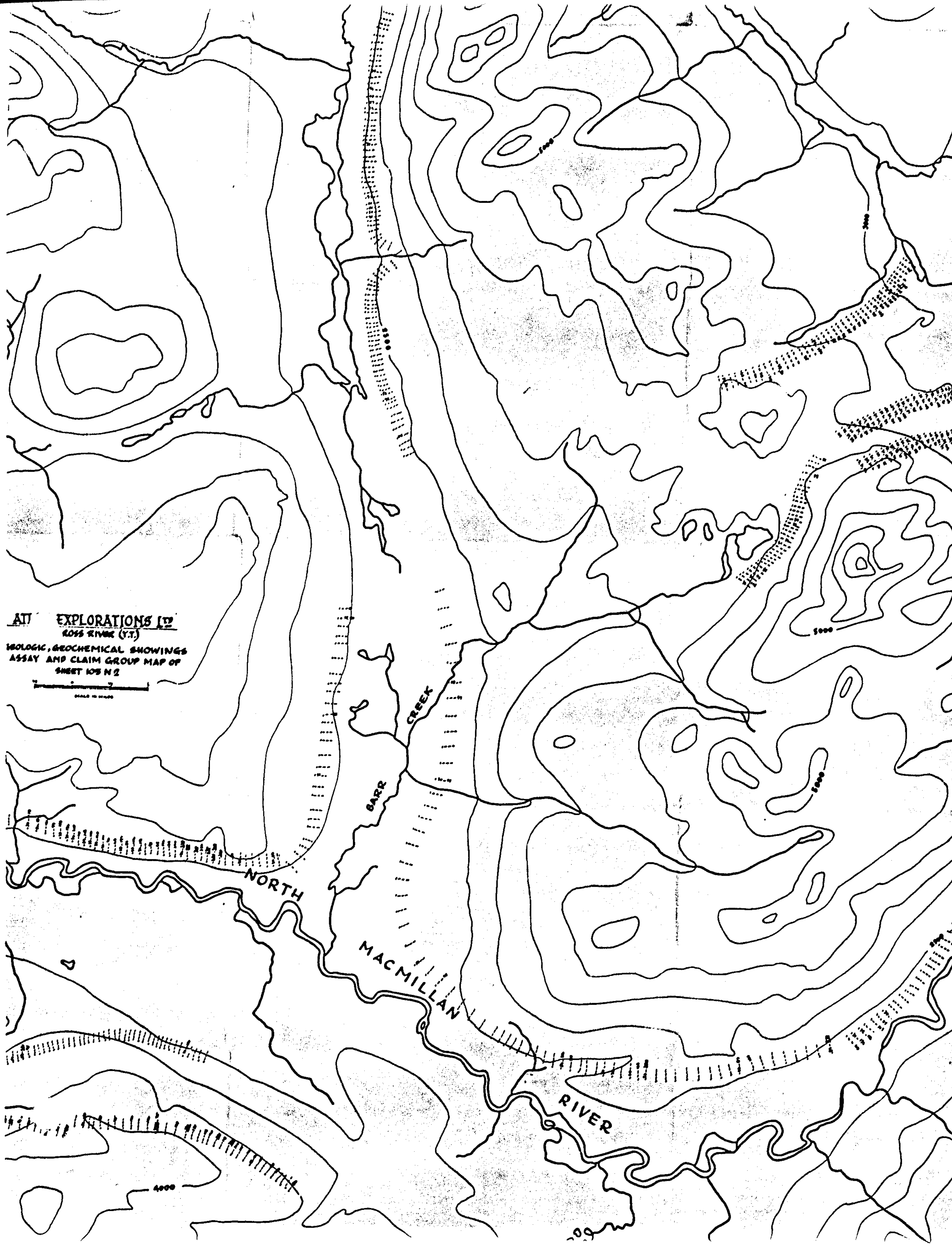


ART LAKE SOIL SAMPLE GRID

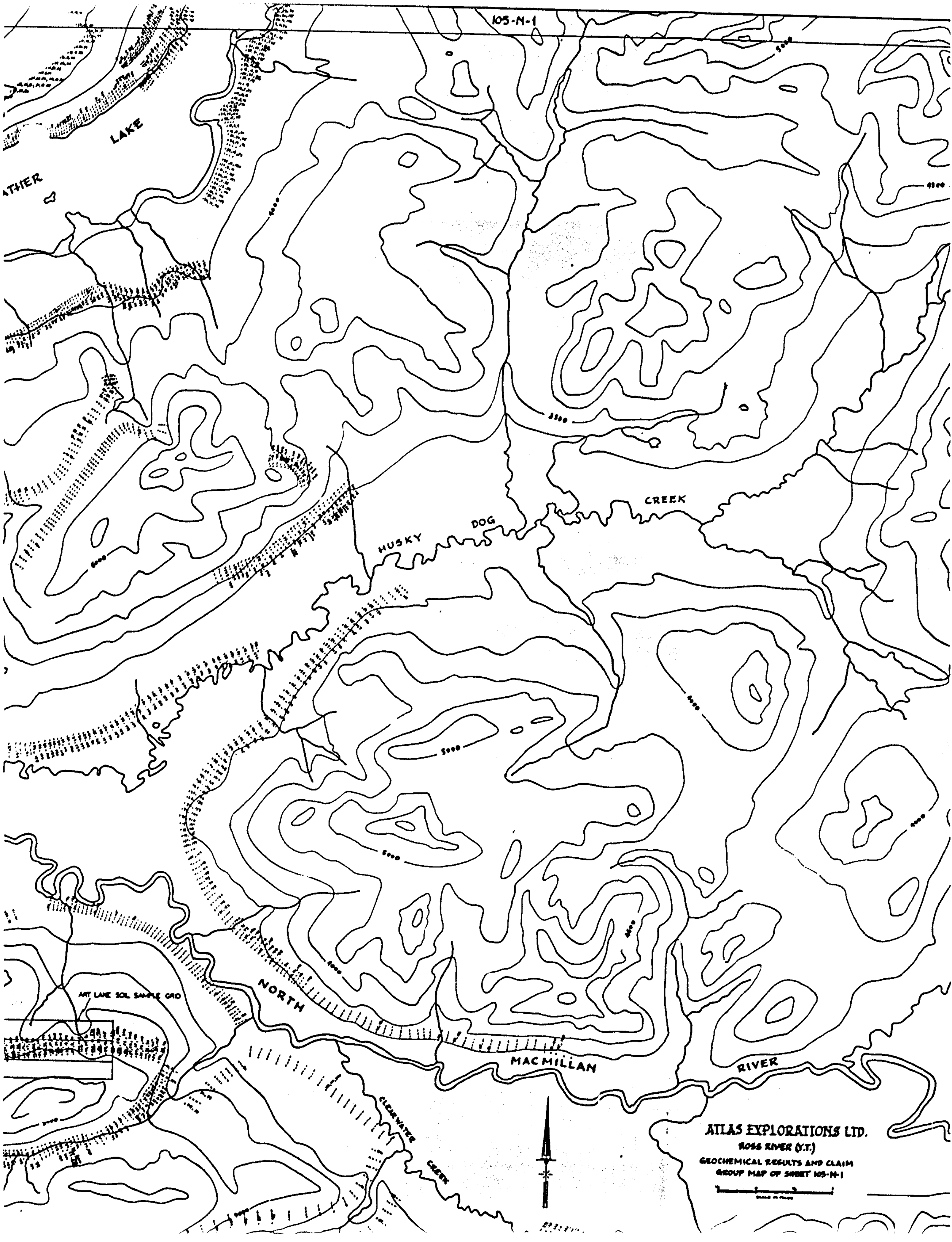
(pace & compass)

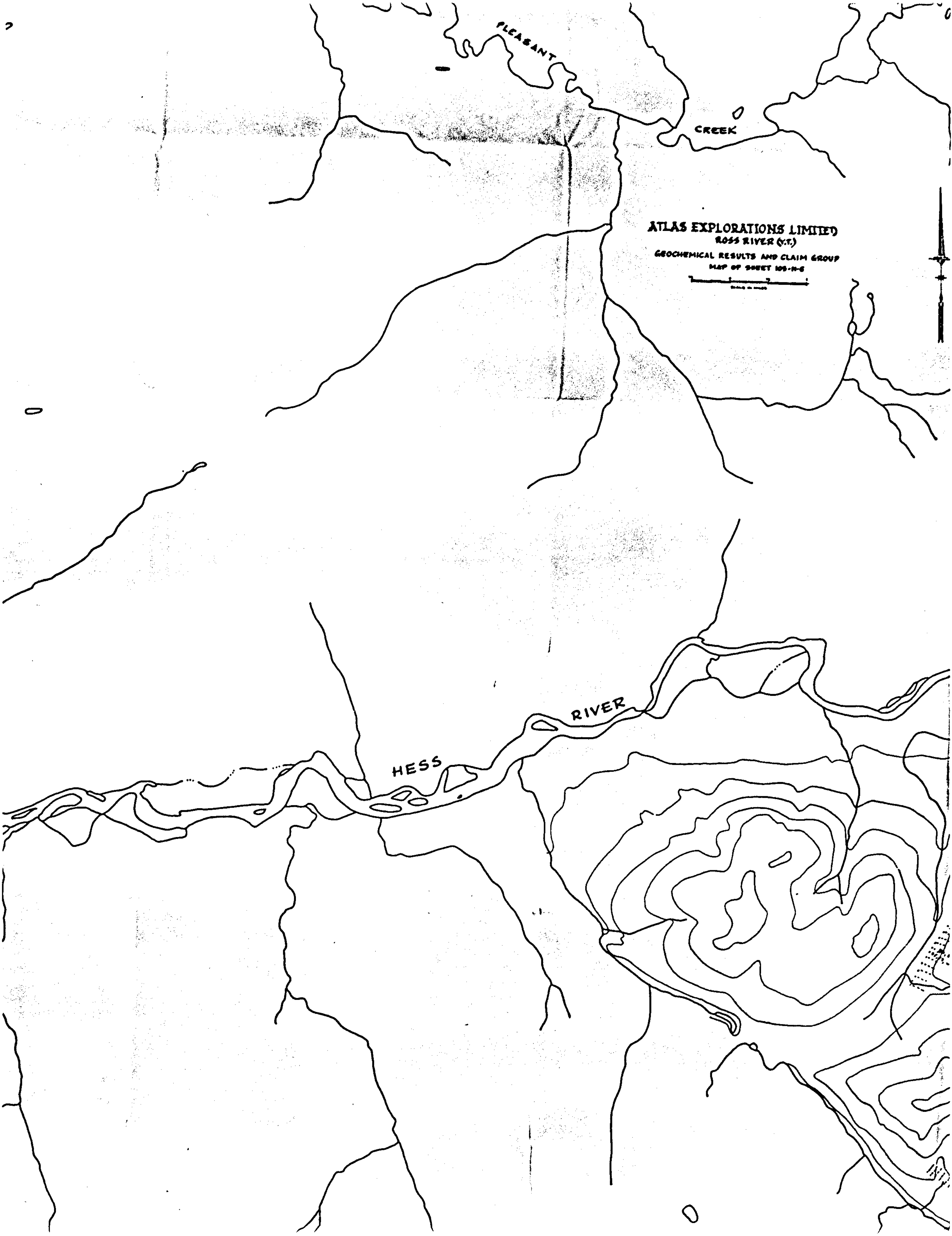
Scale : 1" : 1000'

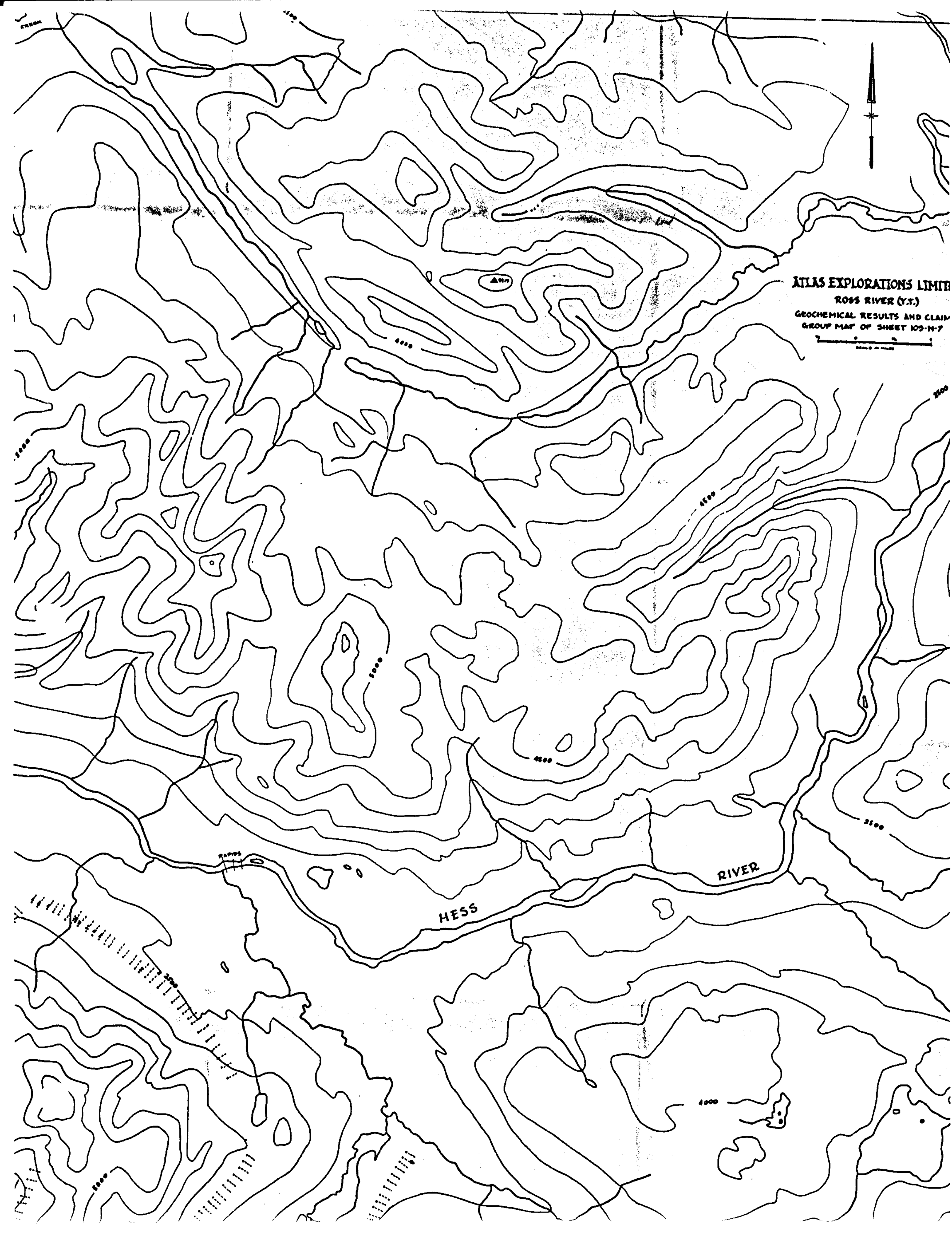

PLORATIONS LIMITED
SS RIVER (Y.T.)
L RESULTS AND CLAIM GROUP
F SHEET 105-H-3
GEORGE CREEK
MOUNT ARMSTRONG
RUSSELL RANGE
RUSSELL CREEK
NORTH RUSSELL CREEK
NORTH MACMILLAN RIVER
MACMILLAN RIVER
SOUTH MACMILLAN RIVER

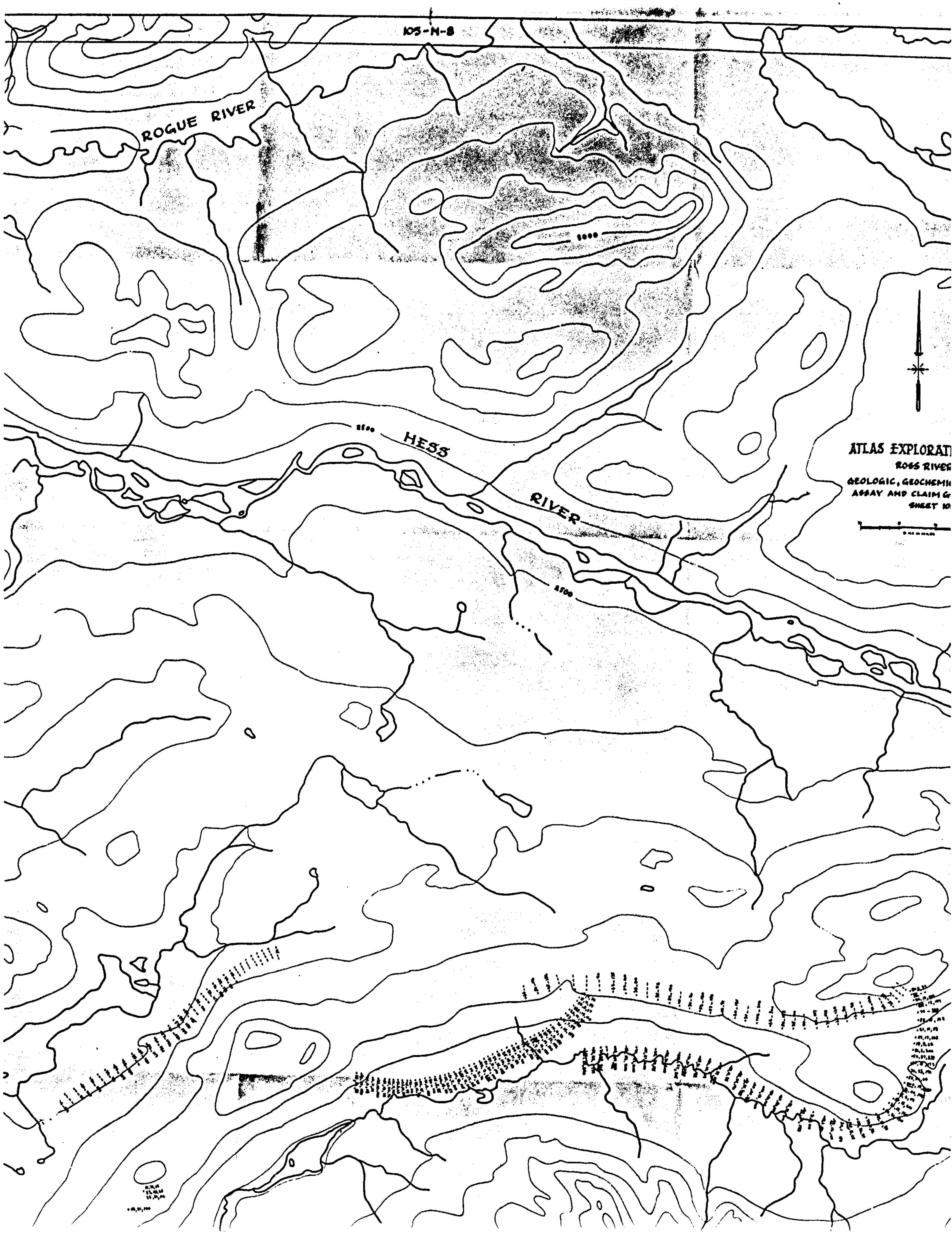


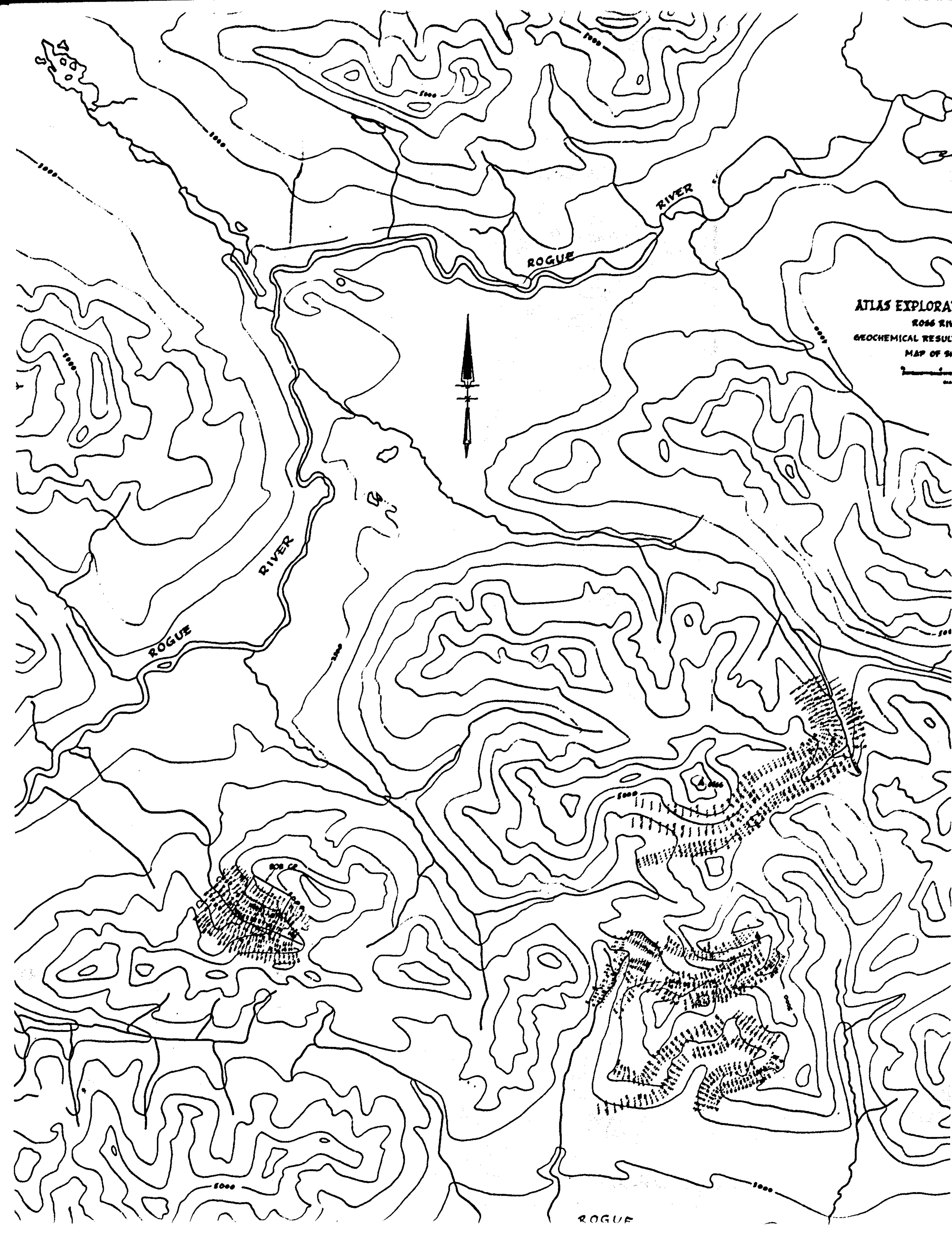
AT EXPLORATIONS LTD
ROSS RIVER (Y.T.)
GEOLOGIC, GEOCHEMICAL SHOWINGS
ASSAY AND CLAIM GROUP MAP OF
SHEET 105 N 2
BARR CREEK
NORTH MACMILLAN RIVER
5000
4000

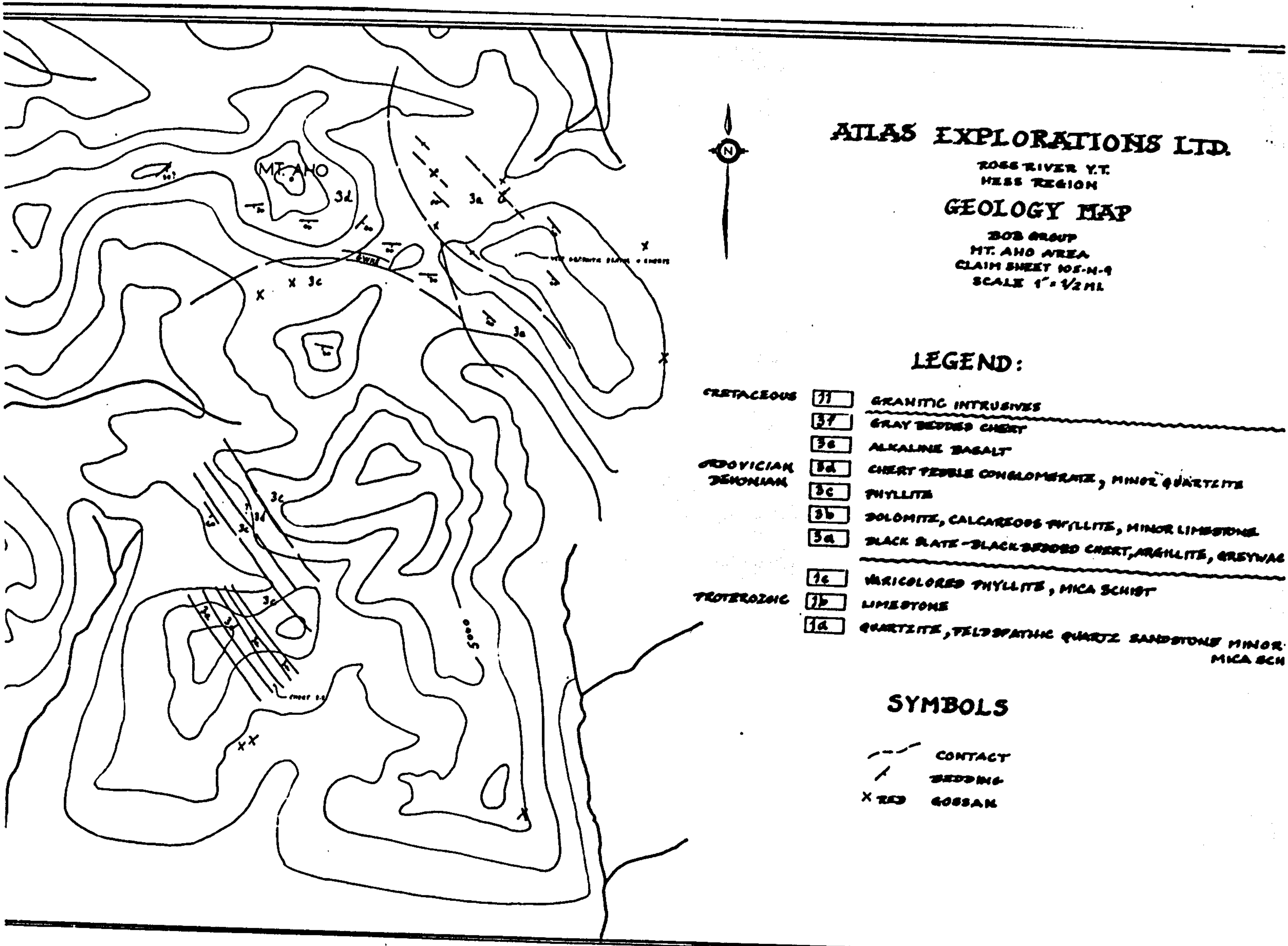

105-N-1
LAKE
HUSKY DOG CREEK
NORTH MACMILLAN RIVER
ART LAKE SOIL SAMPLE GRID
CLEARWATER CREEK
5000
ATLAS EXPLORATIONS LTD.
ROSS RIVER (Y.T.)
GEOCHEMICAL RESULTS AND CLAIM
GROUP MAP OF SHEET 105-N-1


PLEASANT
CREEK
ATLAS EXPLORATIONS LIMITED
ROSS RIVER (Y.T.)
GEOCHEMICAL RESULTS AND CLAIM GROUP
MAP OF SHEET 105-N-6
HESS
RIVER

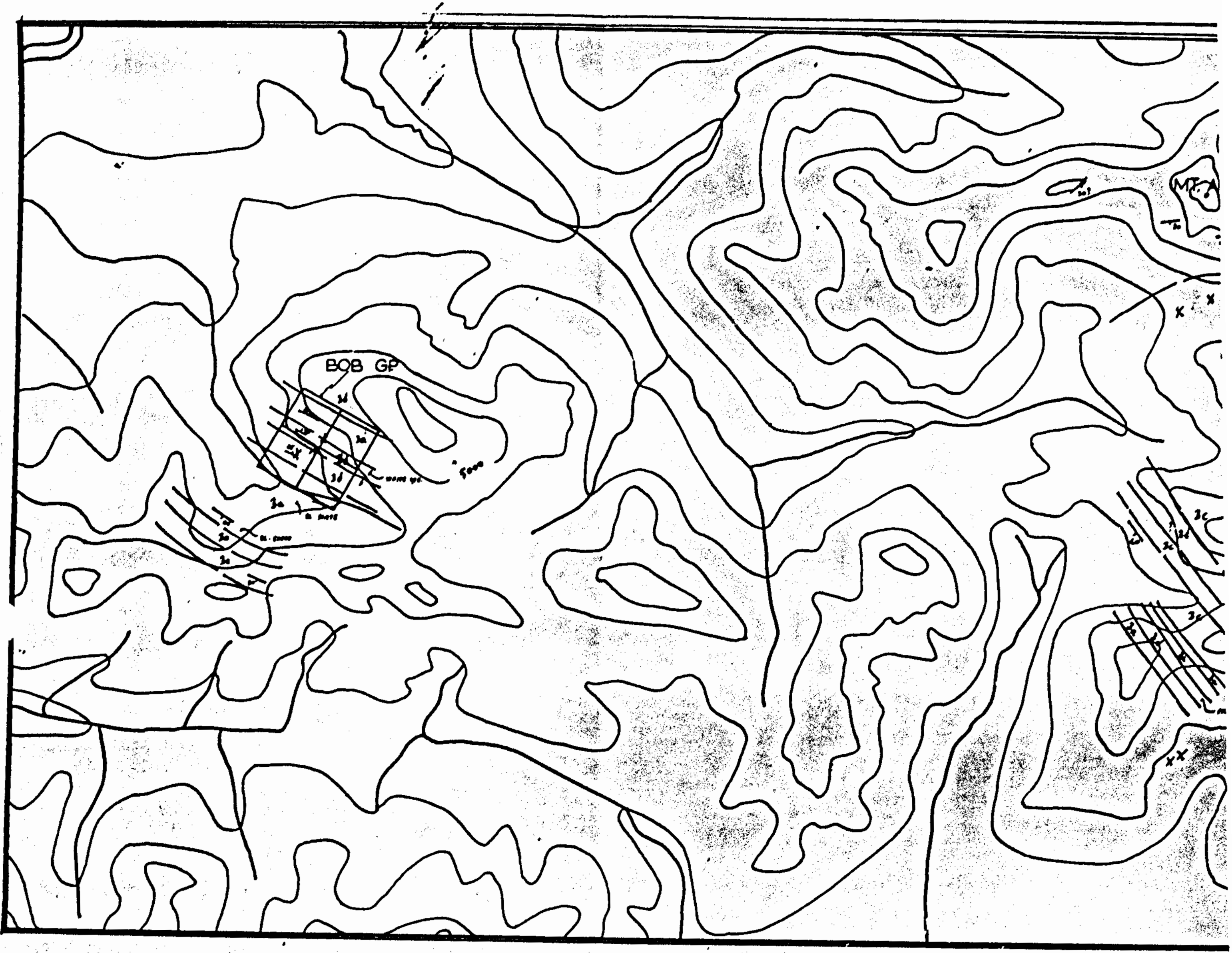

ATLAS EXPLORATIONS LIMIT
ROSS RIVER (Y.T.)
GEOCHEMICAL RESULTS AND CLAIM
GROUP MAP OF SHEET 105-N-7
HESS RIVER
RAPIDS
4000
4500
5000
2500


105-N-8
ROGUE RIVER
5000
2500
HESS
RIVER
2500

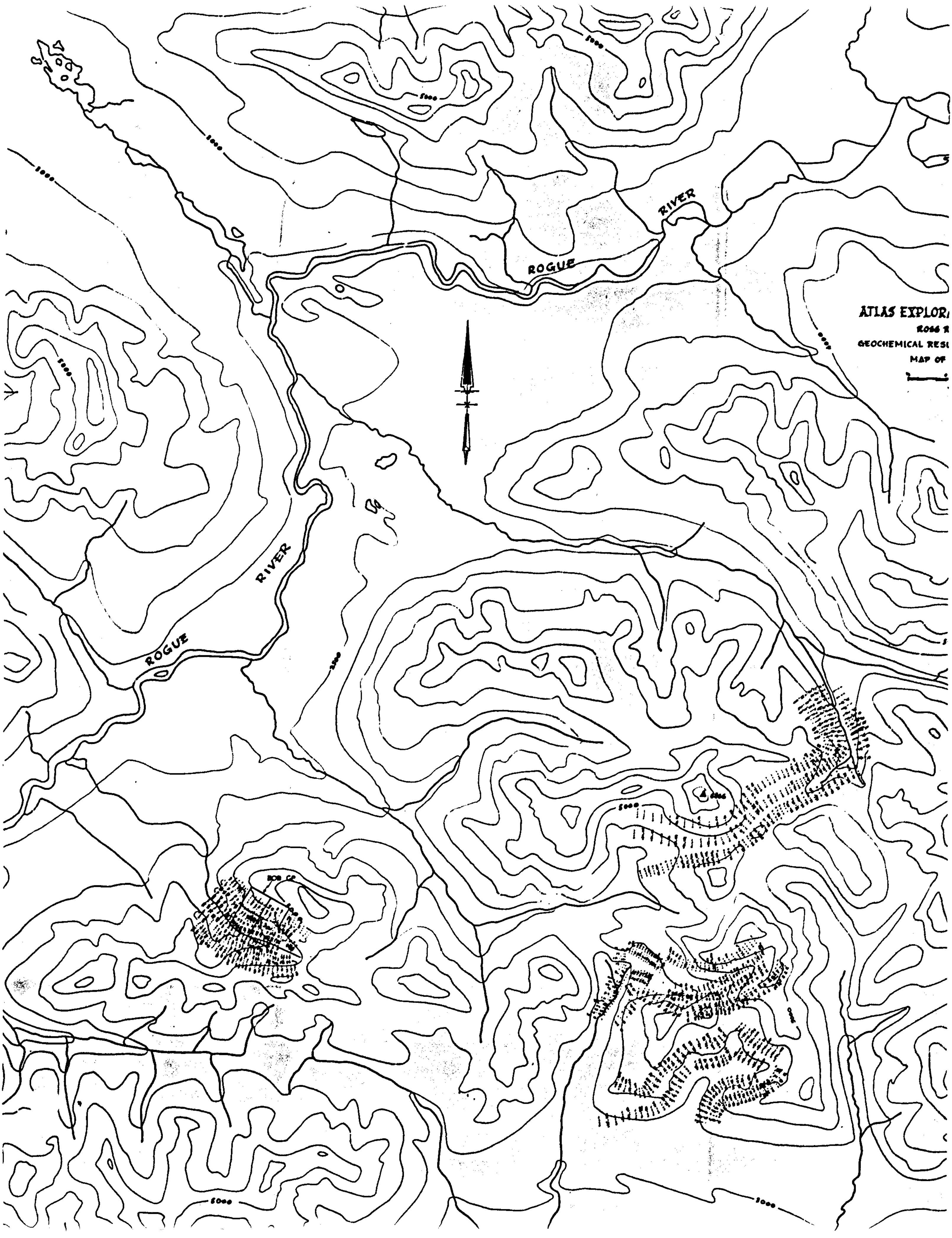

ATLAS EXPLORAT
ROSS RIV
GEOCHEMICAL RESUL
MAP OF S
ROGUE RIVER
ROGUE RIVER
ROGUE
5000
BOB CR



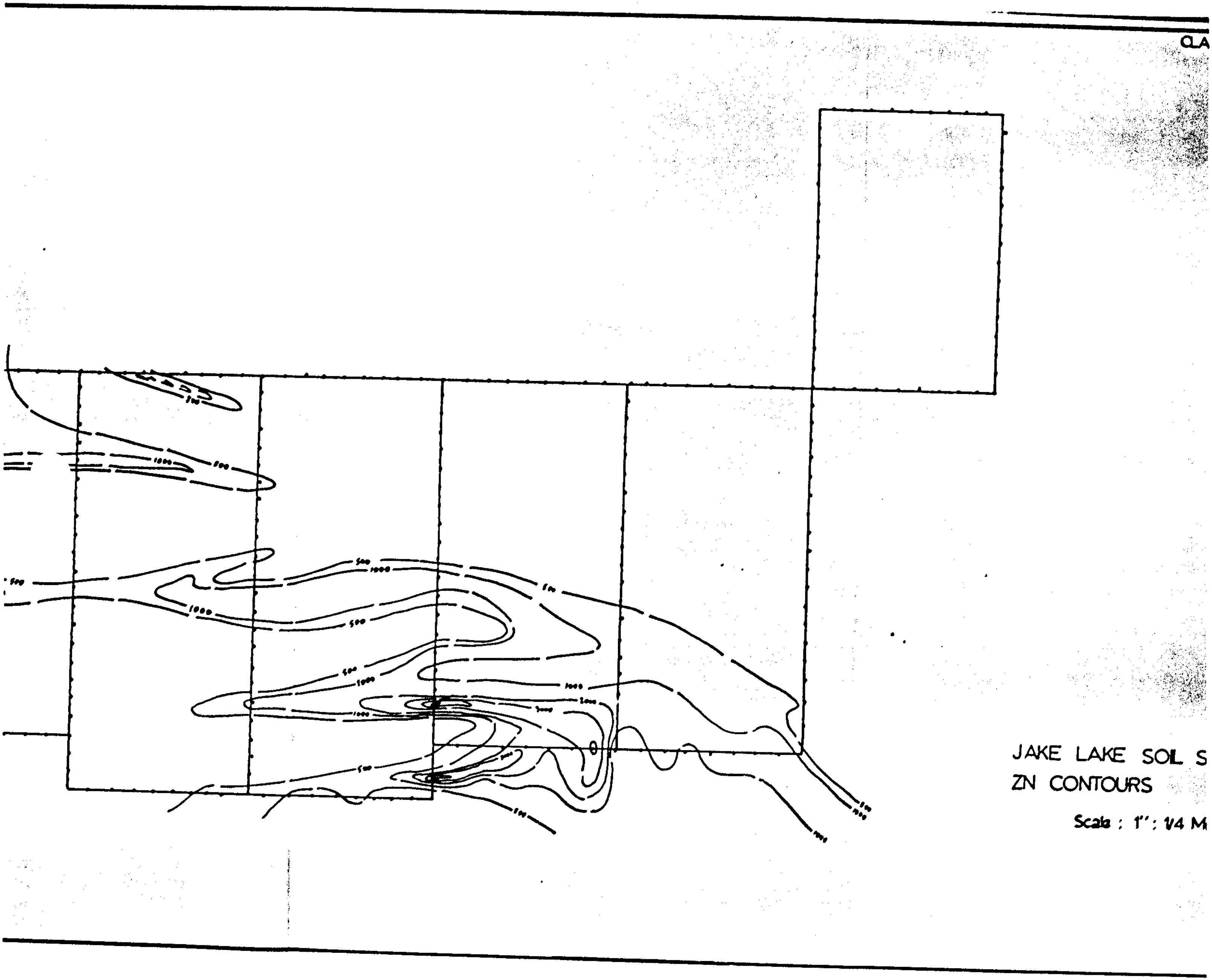
ATLAS EXPLORATIONS LTD.
ROSS RIVER Y.T.
HESS REGION
GEOLOGY MAP
BOB GROUP
MT. AHO AREA
CLAIM SHEET 105-H-9
SCALE 1" = 1/2 MI.
LEGEND:
CRETACEOUS
GRANITIC INTRUSIVES
3f GRAY BEDDED CHERT
3e ALKALINE BASALT
ORDOVICIAN DEVONIAN
3d CHERT PEBBLE CONGLOMERATE, MINOR QUARTZITE
3c PHYLLITE
3b DOLOMITE, CALCAREOUS PHYLLITE, MINOR LIMESTONE
3a BLACK SLATE – BLACK BEDDED CHERT, ARGILLITE, GREYWAC
1c VARICOLORED PHYLLITE, MICA SCHIST
PROTEROZOIC
1b LIMESTONE
1a QUARTZITE, FELDSPATHIC QUARTZ SANDSTONE MINOR MICA SCH
SYMBOLS
CONTACT
BEDDING
X RED GOSSAN
MT. AHO
3d
3a
3c
5000



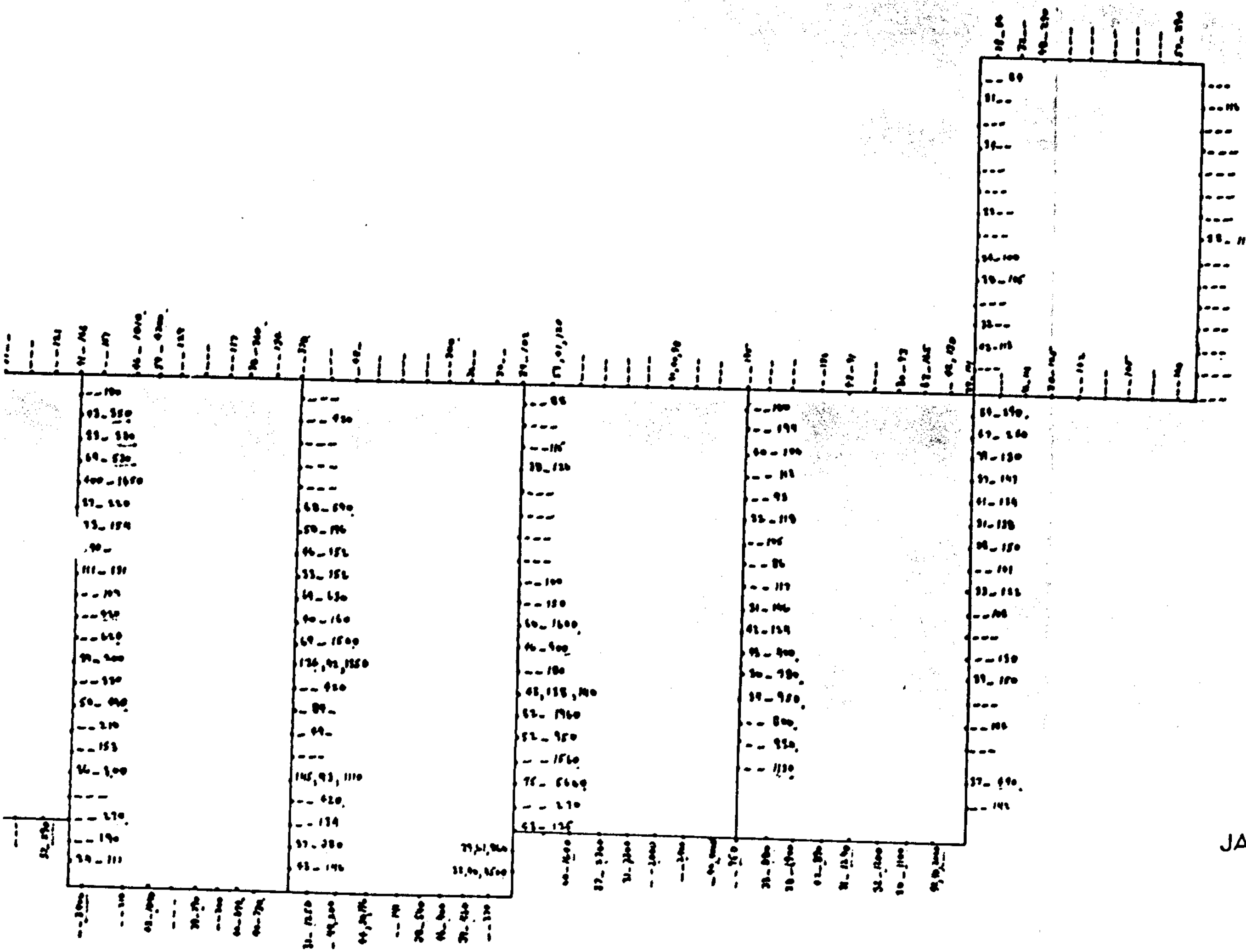
BOB GP
MT. A



ATLAS EXPLOR
GEOCHEMICAL RES
MAP OF
ROGUE
RIVER
ROGUE
RIVER


CLA
JAKE LAKE SOIL S
ZN CONTOURS
Scale : 1'' : 1/4 M

CLAI

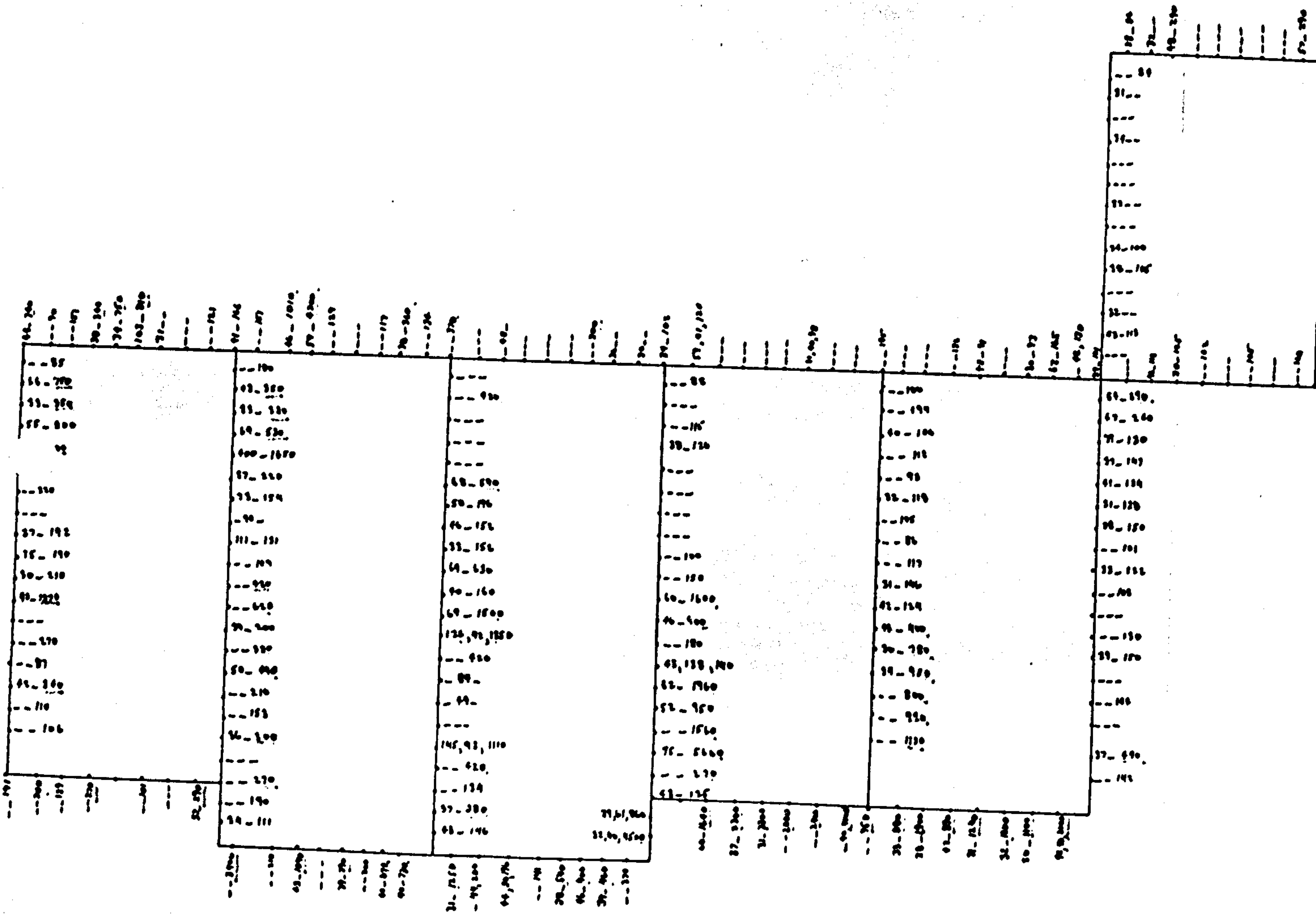


JAKE LAKE SOIL SA

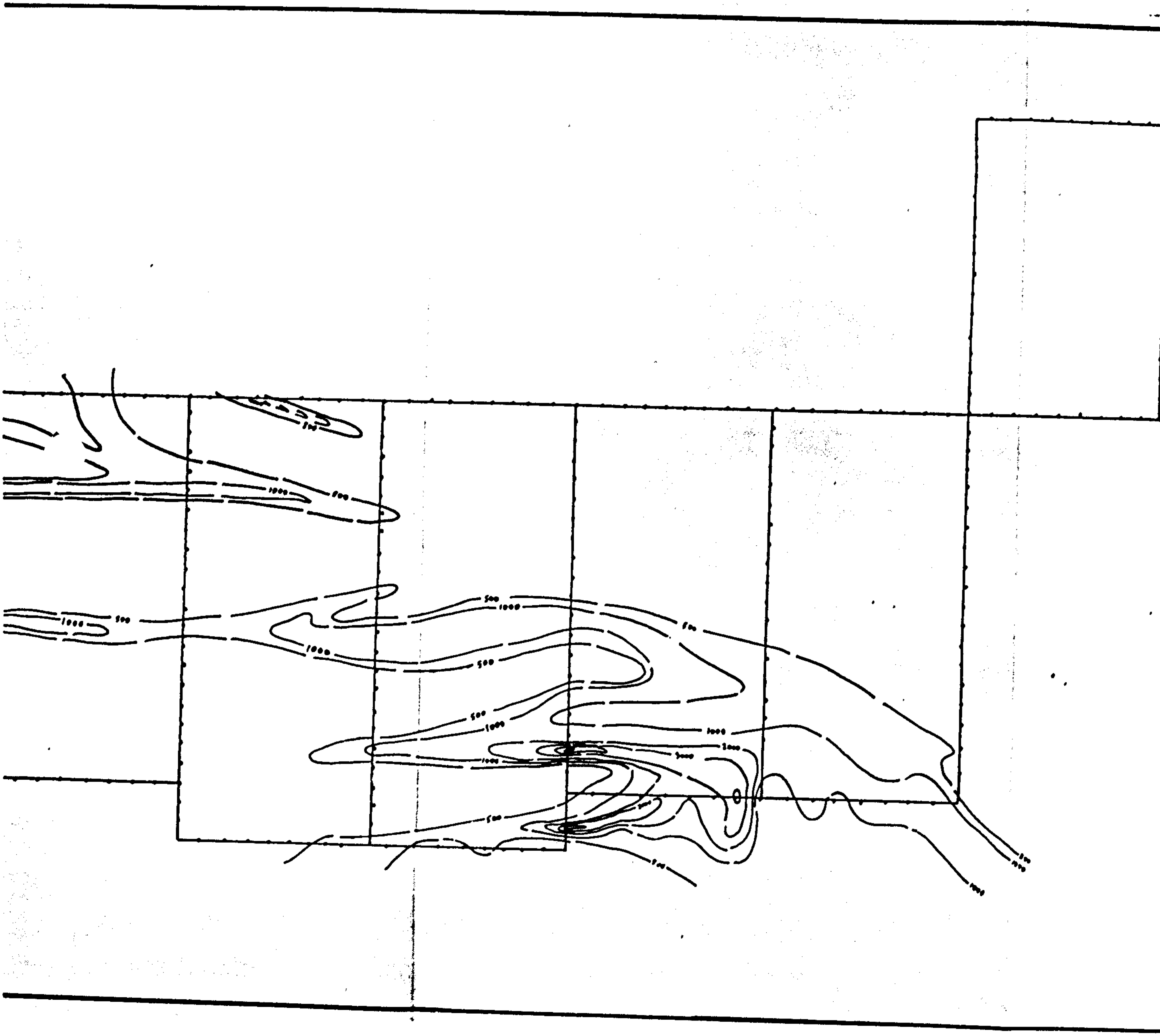
(pace & compass)

Scale : 1" : 1/4 Mile

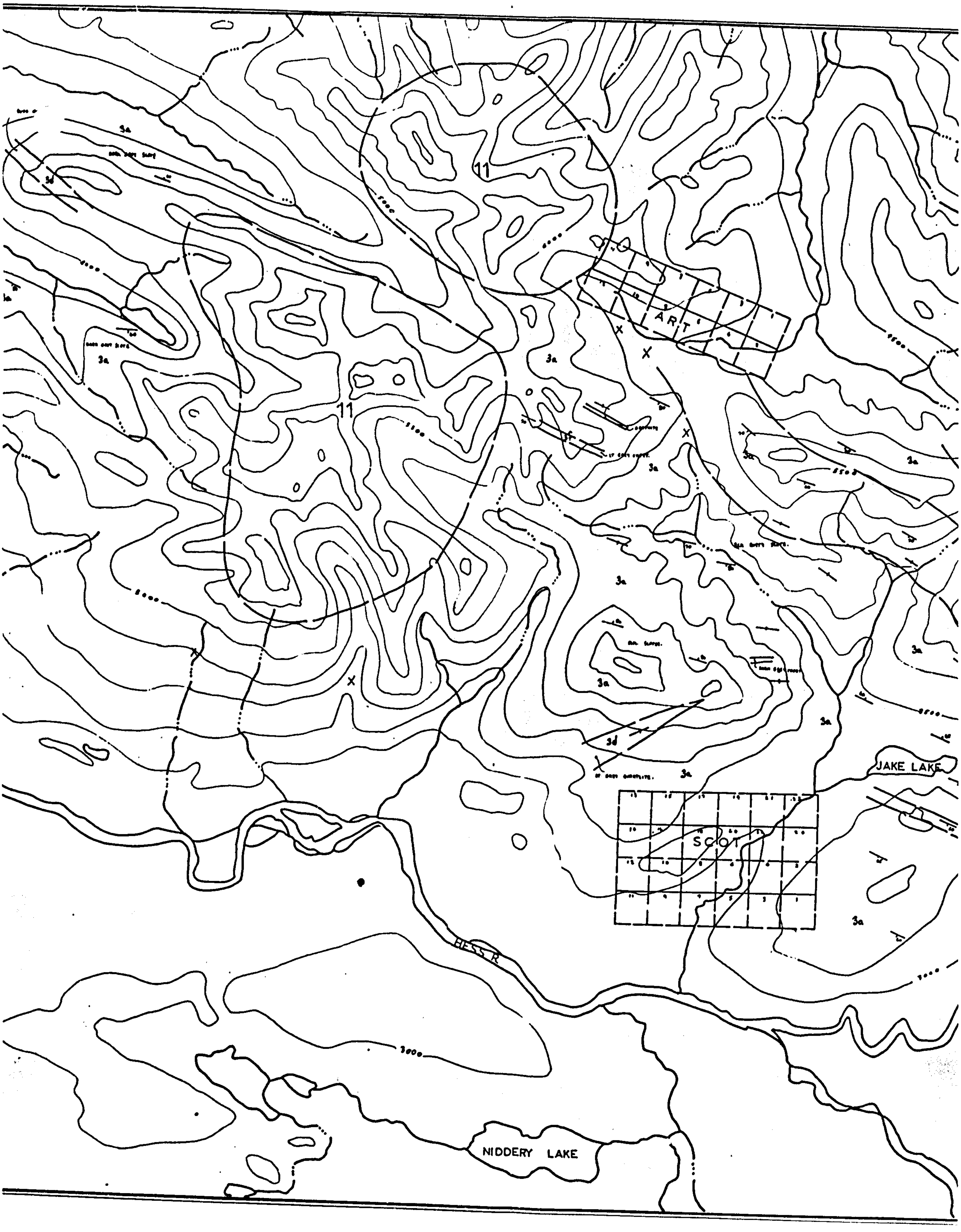

105-O-6
EMERALD
RIVER
ART GR
SCOT GR
JAKE LAKE SOIL GRID
Jake Lake
HESS
RIVER
ATLAS EXPLORATIONS LIMITED
ROSS RIVER (Y.T.)
GEOCHEMICAL RESULTS AND CLAIM GROUP MAP OF SHEET 105-O-6

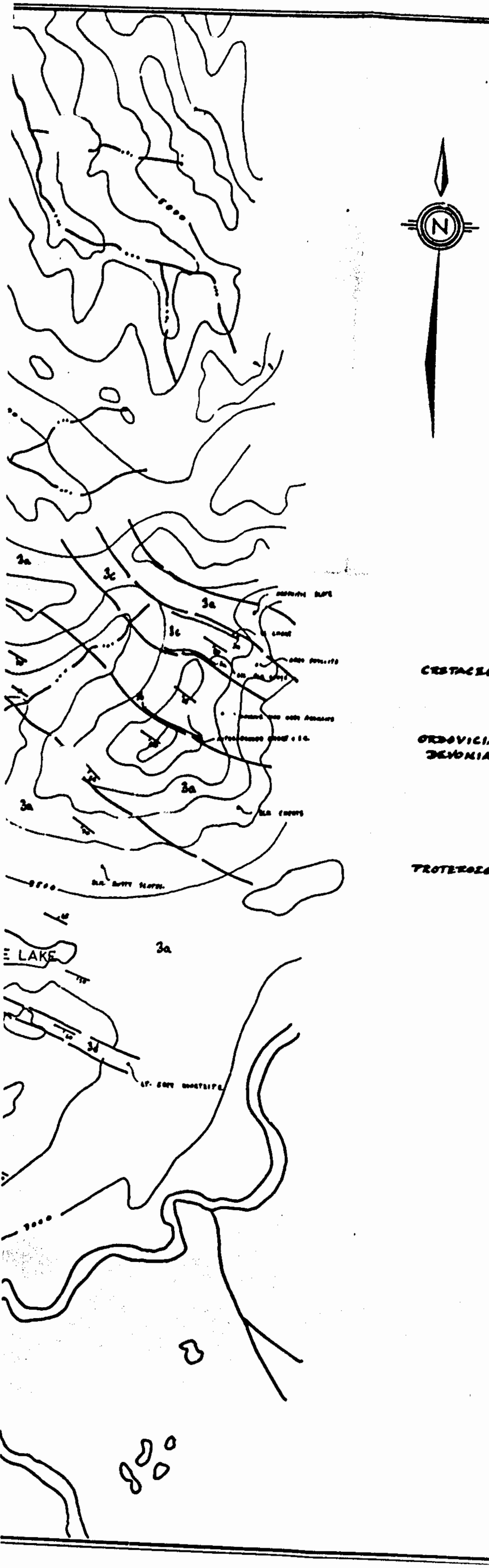


JAKI



JAKE LA
ZN CONT
Scal


11
11
ART
SCOT
JAKE LAKE
HESS R.
NIDDERY LAKE
3000
3a
3d



ATLAS EXPLORATIONS LTD.

ROSS RIVER Y.T.
HESS REGION

GEOLOGY MAP

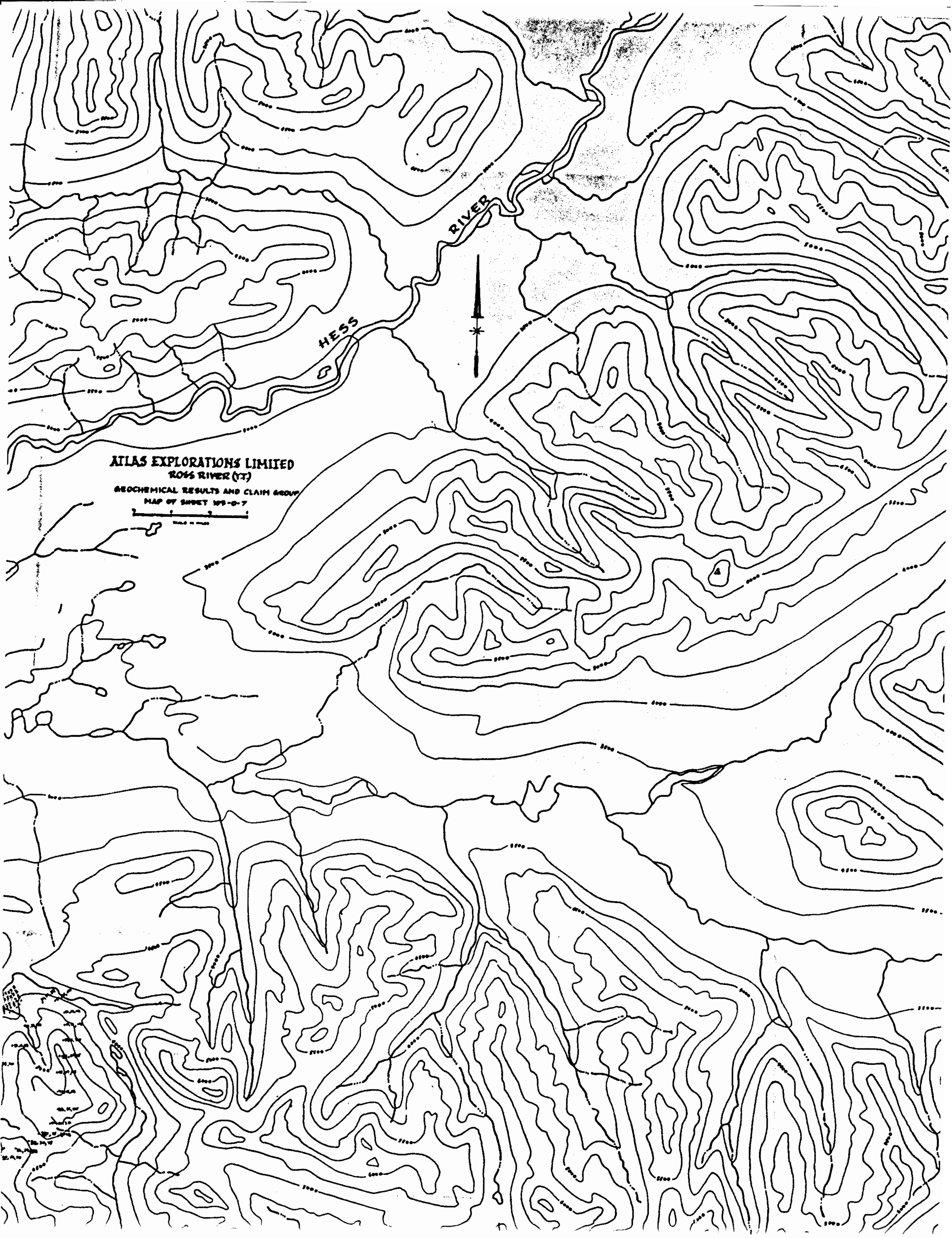
SCOT GROUP
ART GROUP AREA
CLAIM SHEET 105-O-6
SCALE 1" = 1/2 MI.

LEGEND:

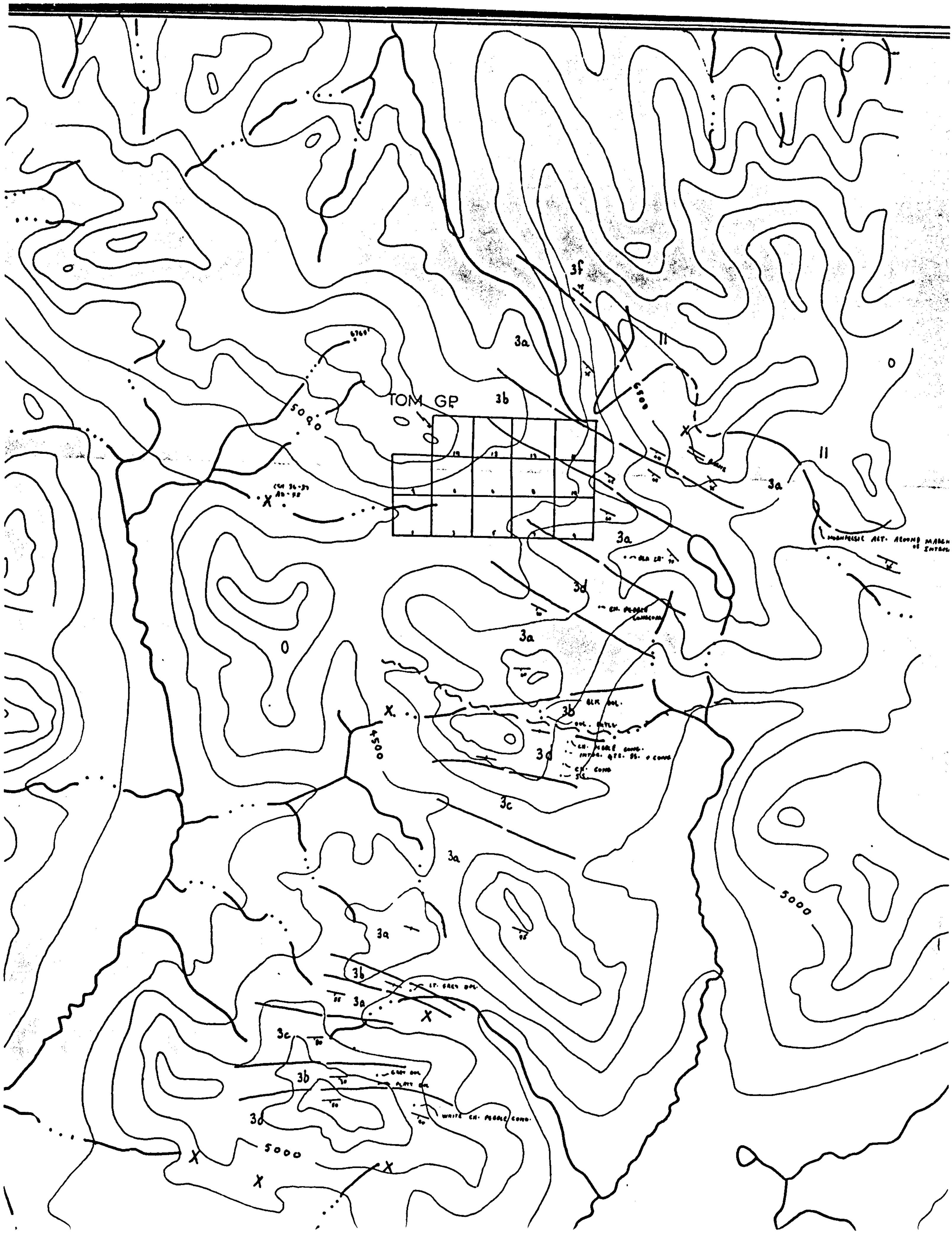
CRETACEOUS	11	GRANITIC INTRUSIVES
	3f	GRAY BEDDED CHERT
	3e	ALKALINE BASALT
ORDOVICIAN DEVONIAN	3d	CHERT PEBBLE CONGLOMERATE, MINOR QUARTZITE
	3c	PHYLLITE
	3b	DOLOMITE, CALCAREOUS PHYLLITE, MINOR LIMESTONE
	3a	BLACK SLATE - BLACK BEDDED CHERT, ARGILLITE, GREYWACKE
	1c	VARICOLORED PHYLLITE, MICA SCHIST
PROTEROZOIC	1b	LIMESTONE
	1a	QUARTZITE, FELDSPATHIC QUARTZ SANDSTONE MINOR - MICA SCHIST.

SYMBOLS

- CONTACT
- BEDDING
X RED - GOSSAN
ORANGE - RUSTY ALTERATION
X BLACK - MINERAL SHOWING



RIVER
HESS
ATLAS EXPLORATIONS LIMITED
ROSS RIVER (Y.T.)
GEOCHEMICAL RESULTS AND CLAIM GROUP
MAP OF SHEET



TOM GP.
3a
3b
3c
3d
3f
11
0
5000
4500
BLK DOL.
LT. GREY DOL.
WHITE CH. PEBBLE CONG.

ATLAS EXPLORATIONS LTD.

ROSS RIVER Y.T.
HESS REGION

GEOLOGY MAP

TOM GROUP
MT. PRATICO AREA
CLAIM SHEET 105-0-3
SCALE 1": 1/2 MI.

LEGEND:

CRETACEOUS	11	GRANITIC INTRUSIVES
	3f	GRAY BEDDED CHERT
	3e	ALKALINE BASALT
ORDOVICIAN DEVONIAN	3d	CHERT PEBBLE CONGLOMERATE, MINOR QUARTZITE
	3c	PHYLLITE
	3b	DOLOMITE, CALCAREOUS PHYLLITE, MINOR LIMESTONE
	3a	BLACK SLATE - BLACK BEDDED CHERT, ARGILLITE, GREYWACKE
	1c	VARICOLORED PHYLLITE, MICA SCHIST
PROTEROZOIC	1b	LIMESTONE
	1a	QUARTZITE, FELDSPATHIC QUARTZ SANDSTONE MINOR-MICA SCHIST

SYMBOLS

- CONTACT
- BEDDING
- × RED · GOSSAN
- ORANGE · RUSTY ALTERATION
- × BLACK · MINERAL SHOWING
- FAULT

GEOLOGY

SHEETS 105 K (TAY R.), 105 J (SHELDON L)

LEGEND

CENOZOIC

QUATERNARY

15	15a, modern unconsolidated alluvial deposits; 15b, unconsolidated glacial and alluvial deposits

TERTIARY

14	Grey and dark grey andesite, dacite, and basalt, commonly massive and porphyritic; minor pyroclastic material
13	Granodioritic quartz and feldspar porphyry, probably plutonic equivalent of 14

PALEOCENE

12	Brown-weathering, brown, impure sandstone with plant remains, grey and brown conglomerate, and brown shale; 12a, rusty weathering conglomerate; minor sandstone and shale, may be equivalent to 12 but age not established, locally interbedded with part of 14

MESOZOIC

CRETACEOUS (?)

11	Medium-to coarse-grained quartz monzonite and granodiorite, commonly porphyritic; minor diorite and gneiss

TRIASSIC

10	Interbedded, dark grey to black, friable, micaceous sandstone, and shale; minor conglomerate and concretionary shale

MISSISSIPPIAN (?) AND/OR LATER (?)

9	9a, greenish grey quartzite, commonly thin-bedded; micaceous and silvery graphitic schists; minor dark grey siliceous slate, silty limestone, and grey micaceous quartzite; 9b, conglomerate with pebbles of chert, andesite, quartzite, chlorite schist, and limestone
8	Altered, dark green andesite and basalt flows and tuffs, commonly schistose, rarely porphyritic; minor phyllite, dark argillite, and light grey quartzite
7	Banded quartzose granulite, green and purplish banded skarn, quartz-sericite schist, hornfels and phyllite; chlorite schist and thin altered andesite (8) common in upper part; minor crystalline limestone

MISSISSIPPIAN

MISSISSIPPIAN

6 Dark grey massive limestone

Ordovician-Devonian

3f Gray Bedded Chert

3e Alkaline Basalt

3d Chert Pebble Conglomerate, Minor Quartzite

3c Phyllite

3b Dolomite, Calcareous Phyllite, Minor Limestone.

3a Black Slate-Black Bedded Chert, Argillite, Greywacke

CAMBRIAN (?)

MIDDLE AND UPPER CAMBRIAN (?)

2 Buff-and grey-weathering, grey, green, and black shales, slates, and phyllites; silty limestone and siltstone

PROTEROZOIC

1 1a, light grey and whitish quartzite, banded hornfels and granulite, grey quartzite, skarn; minor chert and crystalline limestone; 1b, crystalline limestone; 1c, green and maroon shale, slate, phyllite, quartzite; minor andesite; 1d, gritty massive, quartz-pebble quartzite, medium-grained, grey quartzite, and dark slate

---

A Quartz-biotite schist, micaceous quartzite, banded, altered, sedimentary and volcanic rocks, hornfels; minor gneiss and crystalline limestone

Geological boundary (defined, approximate, assumed). . .

Bedding (horizontal, inclined, vertical, tops unknown). . . . . .

Foliation (inclined) . . . .

Fault (defined, approximate, assumed). . . . .

Anticline (arrow indicates direction of plunge). . . . . . .

Fossil locality. . . . . Ⓕ

Mineral occurrence or prospect (lead, Pb; zinc, Zn). . . . . ×Zn

Geology by J.A. Roddick, 1958, 1960, and L.H. Green, 1960

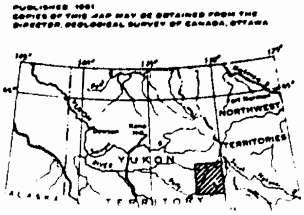
Cartography by the Geological Survey of Canada, 1961

GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

SHEET 105 J

PRELIMINARY SERIES

PUBLISHED 1961
COPIES OF THIS MAP MAY BE OBTAINED FROM THE DIRECTOR, GEOLOGICAL SURVEY OF CANADA, OTTAWA



PRINTED BY THE SURVEYS AND MAPPING BRANCH

MAP 12-1961

GEOLOGY

SHELDON LAKE

YUKON TERRITORY

Scale: One Inch to Four Miles = $\frac{1}{253,440}$

Miles

4 2 0 4 8 12

LEGEND

Road (abandoned)

Horizontal control point

Intermittent stream

Marsh

Contours (interval 500 feet)

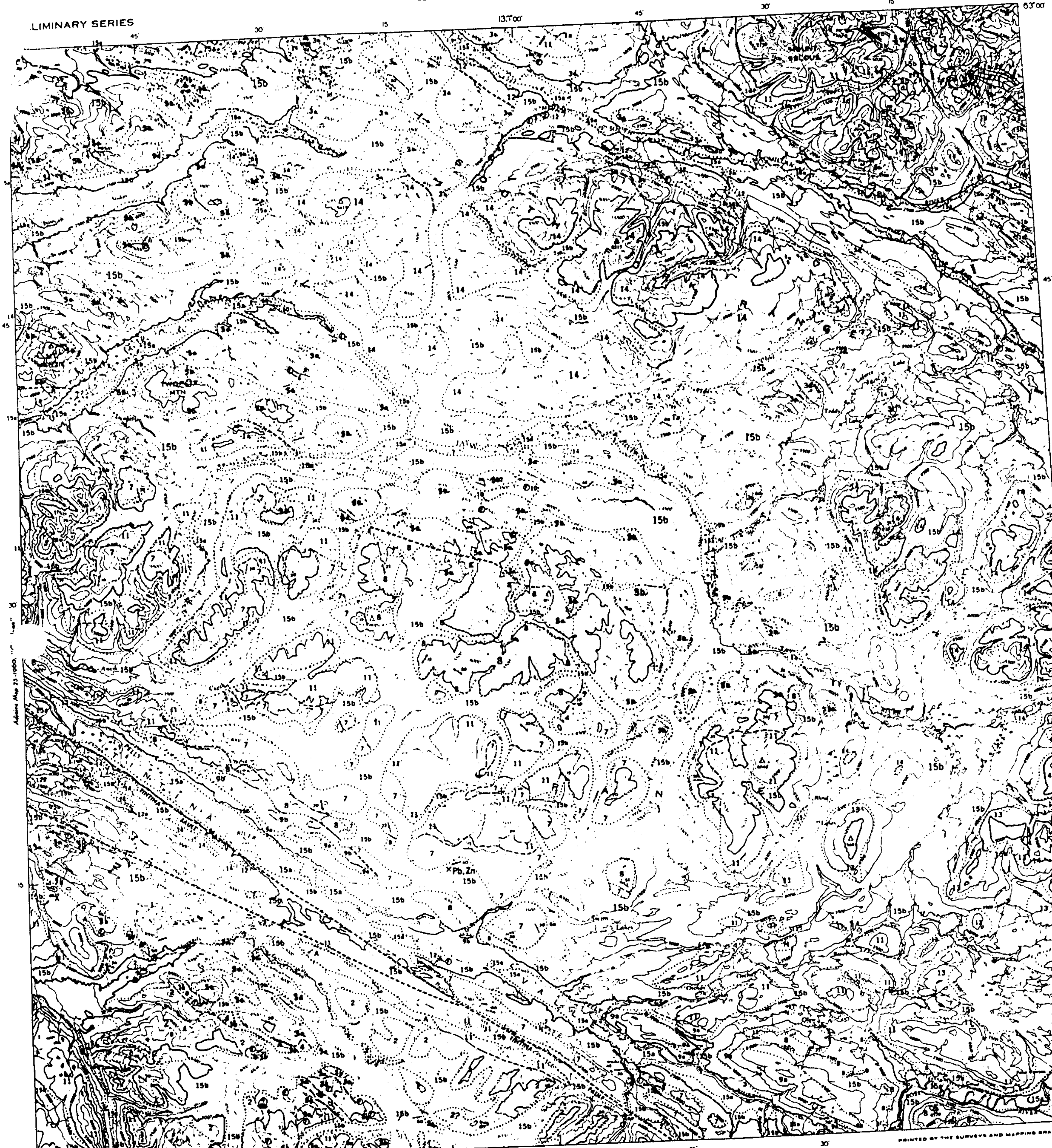
Height in feet above mean sea-level

... prepared by the Army Survey Establishment

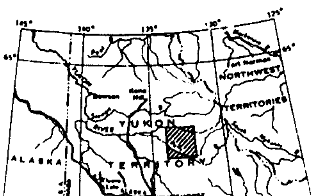
GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

SHEET 105 K

LIMINARY SERIES



PUBLISHED, 1961
COPIES OF THIS MAP MAY BE OBTAINED FROM THE DIRECTOR, GEOLOGICAL SURVEY OF CANADA, OTTAWA



MAP 13-1961
GEOLOGY
TAY RIVER
YUKON TERRITORY

Scale: One Inch to Four Miles = $\frac{1}{253,440}$

Miles

4 2 0 4 8 12

2 8461

LEGEND

Road (dry weather)
Horizontal control point
Intermittent stream
Marsh
Contours (interval 500 feet)
Height in feet above mean sea-level

Base-map prepared by the Army Survey Establishment, R.C.E., Dept. of National Defence, 1949-1951