

YEIP
97-013
1997

**Summary of Work
Hasselberg Lake Area
Yukon Territory, N.T.S. 105 A/13**

for

**Yukon Mining Incentives Program
Economic Development
Government of the Yukon
Box 2703, Whitehorse, Yukon Y1A 2C6**

File Number 97-13

**John Peter Ross, Prospector
December, 1997**

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Chapter One: INTRODUCTION

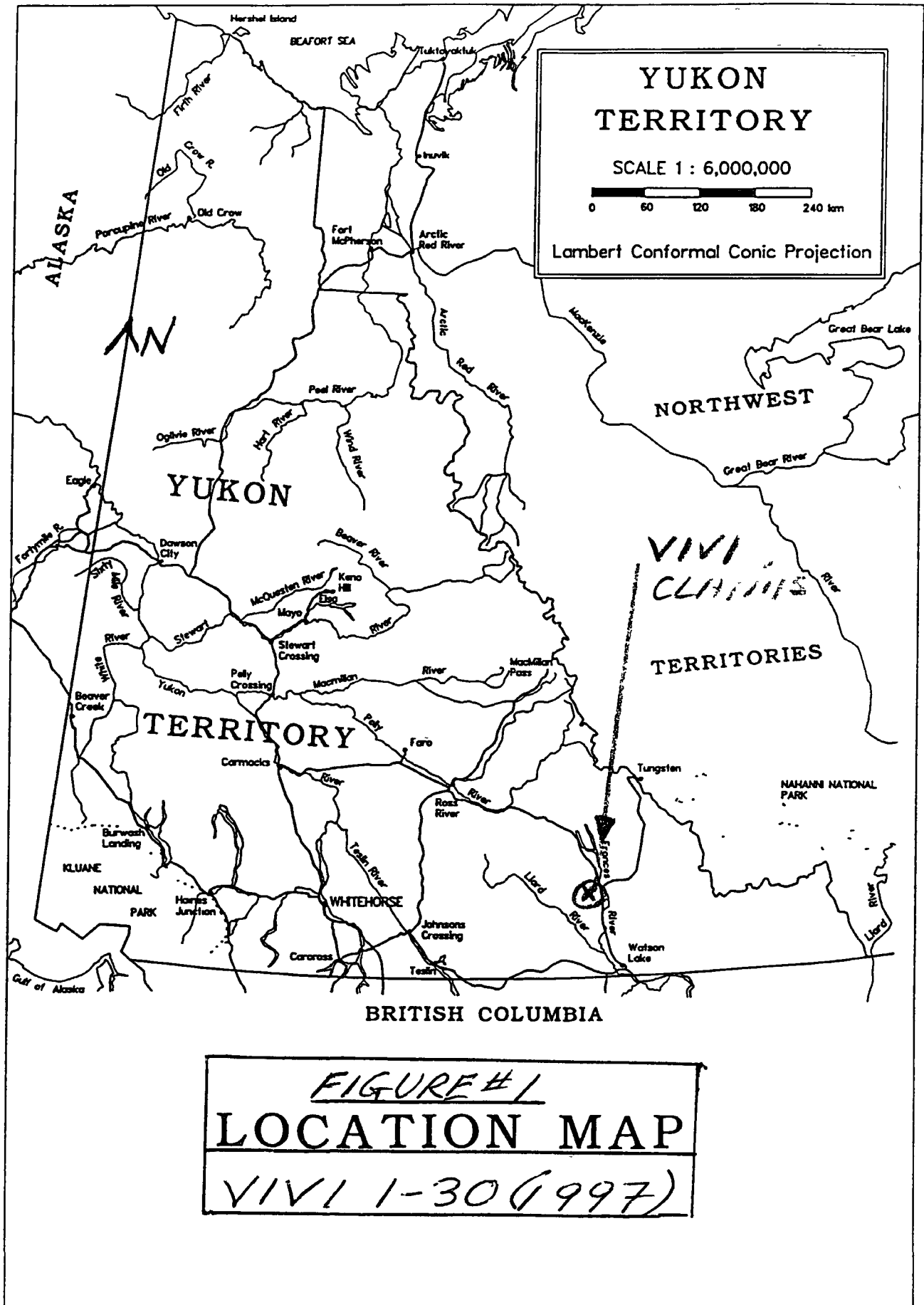
1.1 Introductory Statement

The Hasselberg Lake (VIVI claim group) area, map sheet 105 A/13, was chosen because;

1. There is high exploration activity in the area for VMS and Cominco is also active to the south
2. The area while expensive to access by helicopter is close to the Watson Lake – Ross River highway.
3. A government silt sample survey had 4 anomalous silt samples in one area, suggesting a large gold target might be present
4. The target was thought to be a Carlin type Au deposit, Au skarn, or motherlode type deposit

1.2 Location and Access

Access was by TransNorth helicopter out of Watson Lake, approximately 65 miles (104.6 km) to the northwest.



130°00'
61°00'

55'

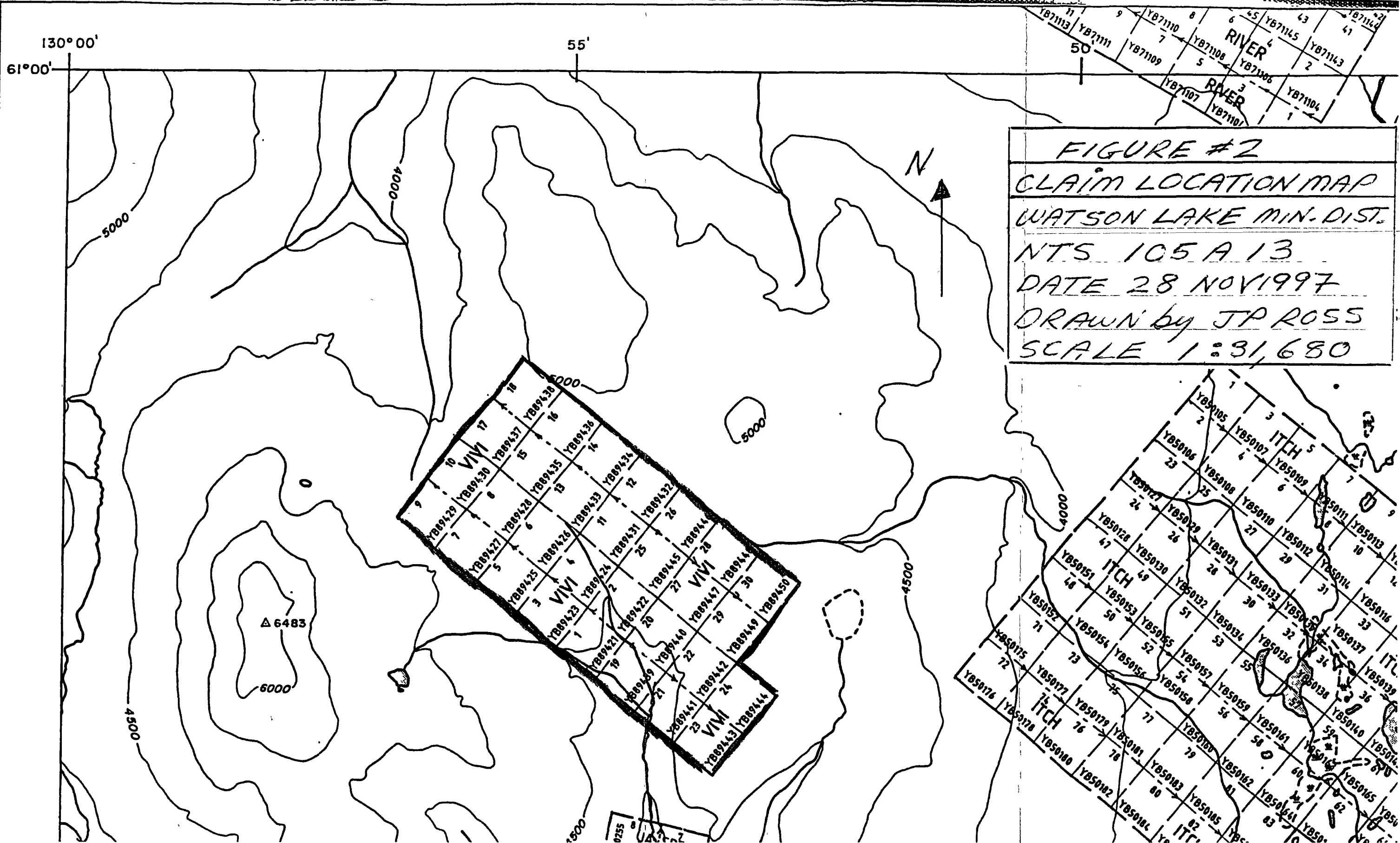
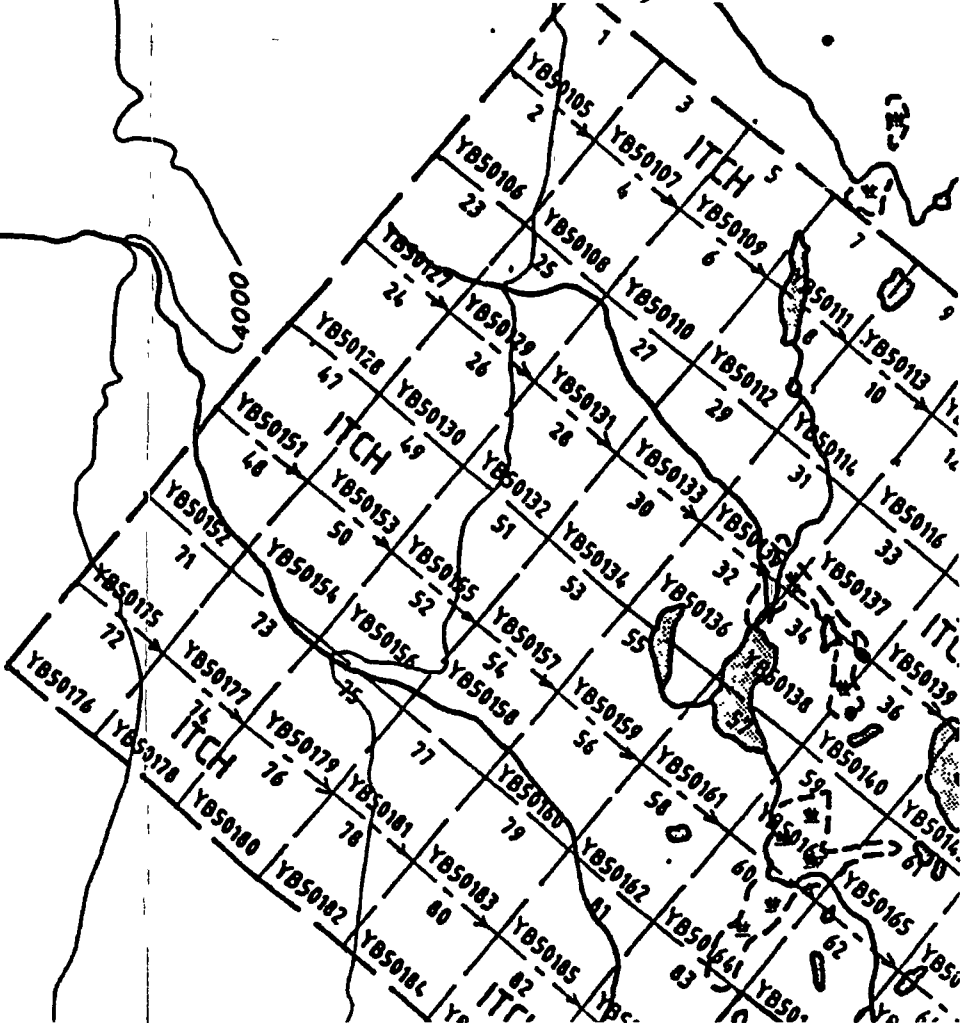


FIGURE #2
CLAIM LOCATION MAP
WATSON LAKE MIN. DIST.
NTS 105 A 13
DATE 28 NOV 1997
DRAWN BY JP ROSS
SCALE 1:31,680



130°00'
61°00'

55'

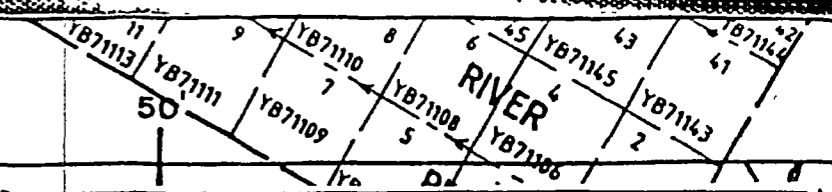
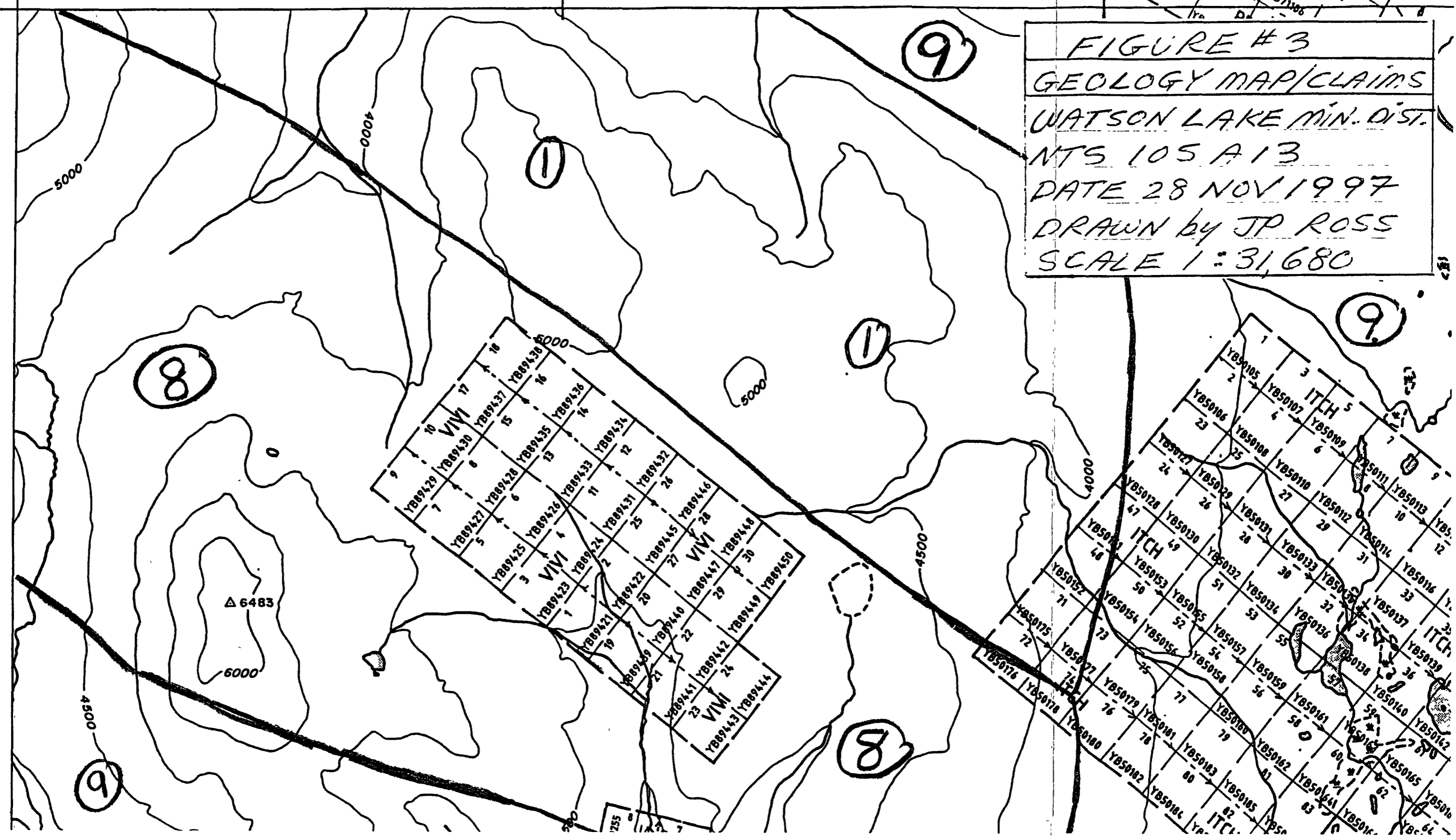


FIGURE #3
GEOLOGY MAP/CLAIMS
WATSON LAKE MIN. DIST.
NTS 105 A 13
DATE 28 NOV 1997
DRAWN by JP ROSS
SCALE 1:31,680



**MAP 1 - NTS 105A
SAMPLE LOCATION
STREAM SEDIMENT
GSC OPEN FILE 3293
SOUTHEASTERN YUKON 1996**

GEOLOGICAL LEGEND

CENOZOIC

11 Felsic to intermediate volcanic rocks; minor tillite and limestone

10 Nonmarine clastic sediments; minor felsic volcanics

PALEOZOIC

9 Mafic to ultramafic rocks and associated marine carbonates and clastics

8 Intermediate to felsic volcanics and associated marine carbonates and clastics

7 Mainly marine carbonates and shales; minor siliceous sediments (chert)

6 Marine and nonmarine clastic sediments; minor limestone and coal

PROTEROZOIC

5 Mainly clastic marine sediments; minor limestone and basalt

4 Mainly siliceous and carboniferous sediments; minor evaporite, mafic volcanics, and iron formation

PLUTONIC ROCKS

3 Granite, leucogranite, alaskite, quartz monzonite, granophyre

2 Granodiorite, leucogranodiorite, quartz monzonite, quartz diorite, tonalite

1 Ultramafic rocks

— Geological Boundary

Geological base modified from Map 1712A, Tectonic Assemblage Map of the Canadian Cordillera, digital map series.

FIGURE #4

FLOAT SAMPLE LOCATION

WATSON LAKE MIN-DIST

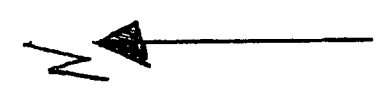
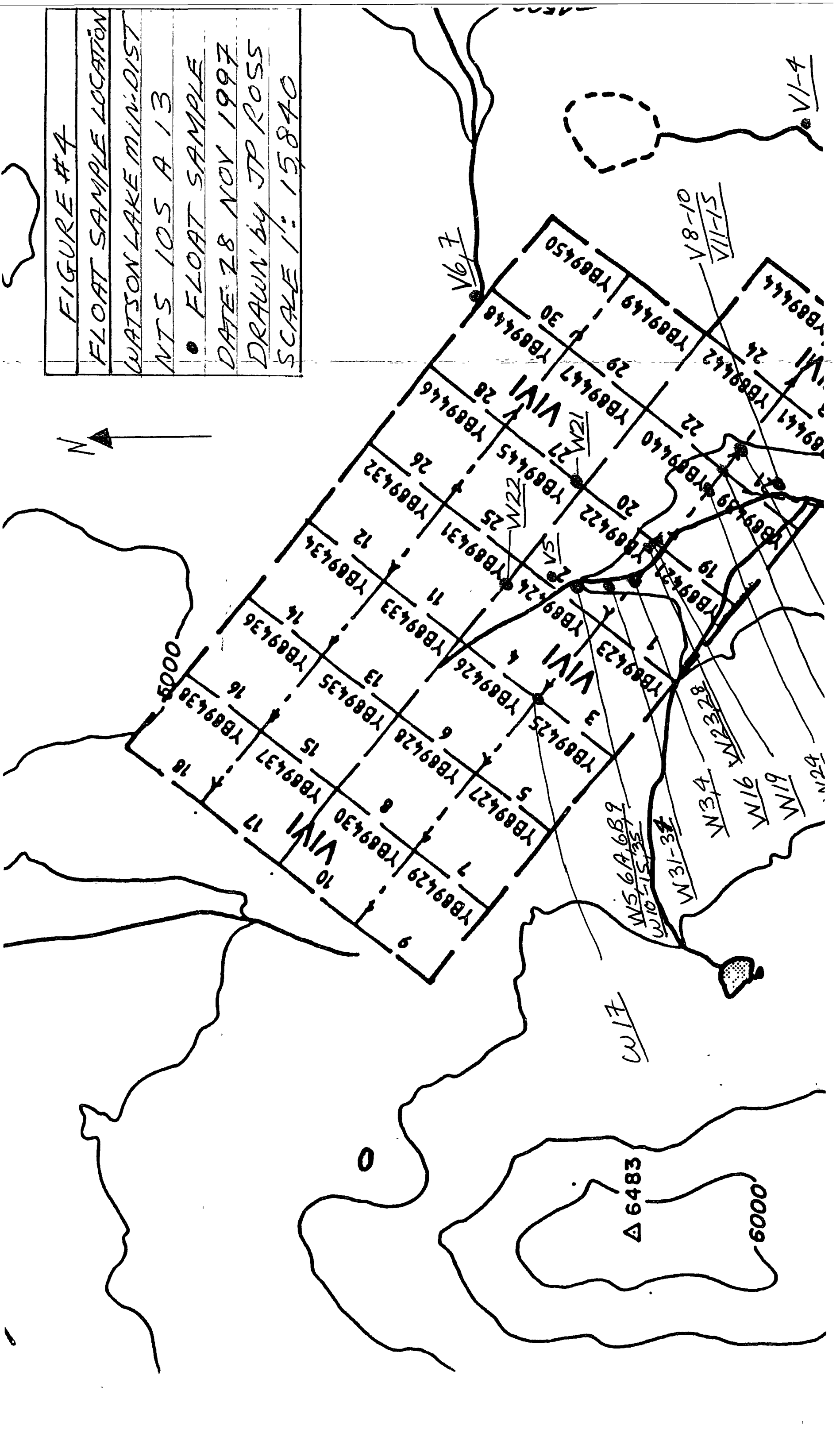
NTS 10S A 13

• FLOAT SAMPLE

DATE 28 NOV 1997

DRAWN BY JP ROSS

SCALE 1" = 15840'



W17

Δ 6483

6000

6000

W56A6B9
W10-15-35

W31-34

W34

W23-28

W16

W19

W24

V8-10

V11-15

V1-4

YB89450

YB89449

YB89448

YB89447

YB89446

YB89445

YB89444

YB89443

YB89442

YB89441

YB89440

YB89439

YB89438

YB89437

YB89436

YB89435

YB89434

YB89433

YB89432

YB89431

YB89430

YB89429

YB89428

YB89427

YB89426

YB89425

YB89424

YB89423

YB89422

YB89421

YB89420

YB89419

YB89418

YB89417

YB89416

YB89415

YB89414

YB89413

YB89412

YB89411

YB89410

YB89409

YB89408

YB89407

YB89406

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YB89205

YB89204

YB89203

YB89202

YB89201

YB89200

YB89199

YB89198

YB89197

YB89196

YB89195

YB89194

YB89193

YB89192

YB89191

YB89190

YB89189

130°00'
61°00'

55'

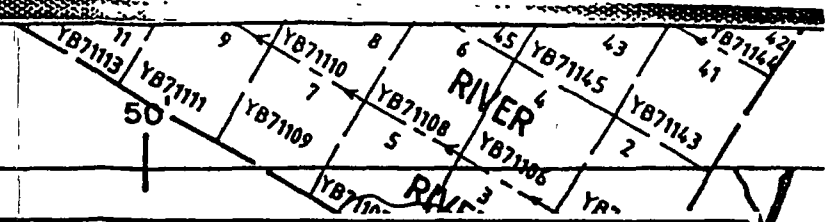
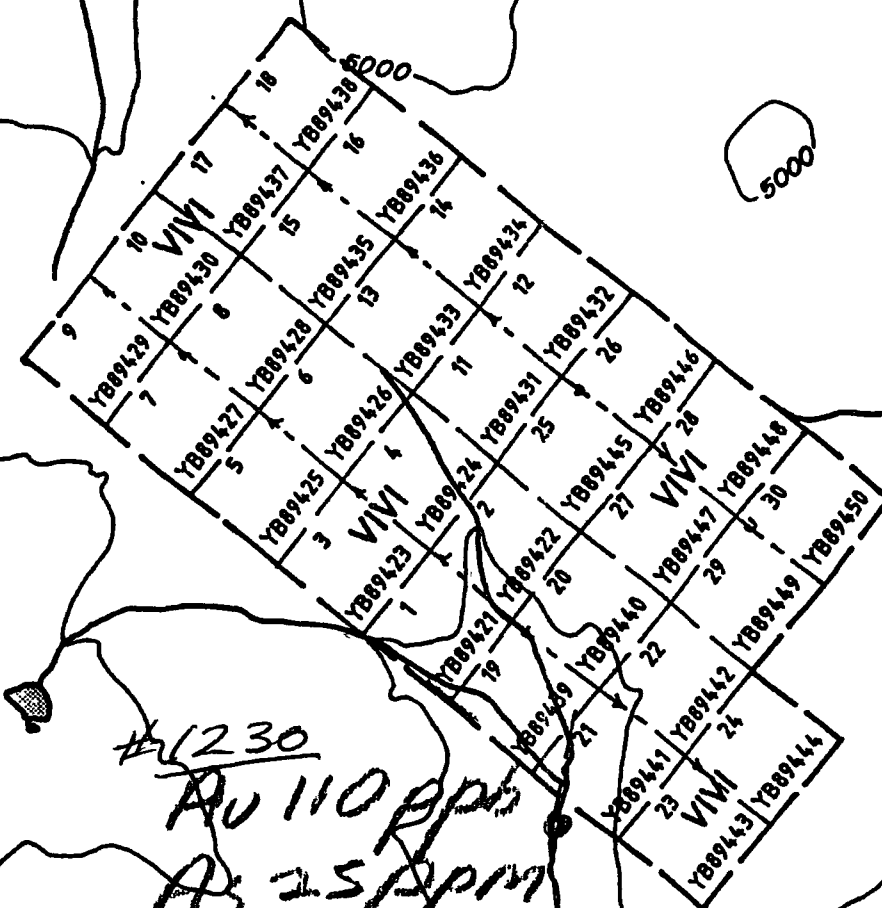


FIGURE #5
 GOVT SILT SAMPLE LOC.
 WATSON LAKE MIN DIST
 NTS 105 A13
 ● GSC SILT SAMPLE
 DATE 28 NOV 1997
 DRAWN by JP ROSS
 SCALE 1:31,680

#1200
 Au 32 ppb
 As 8.9 ppm
 W 11 ppm
 SL 3 ppm

#1214
 LOW
 VALUES

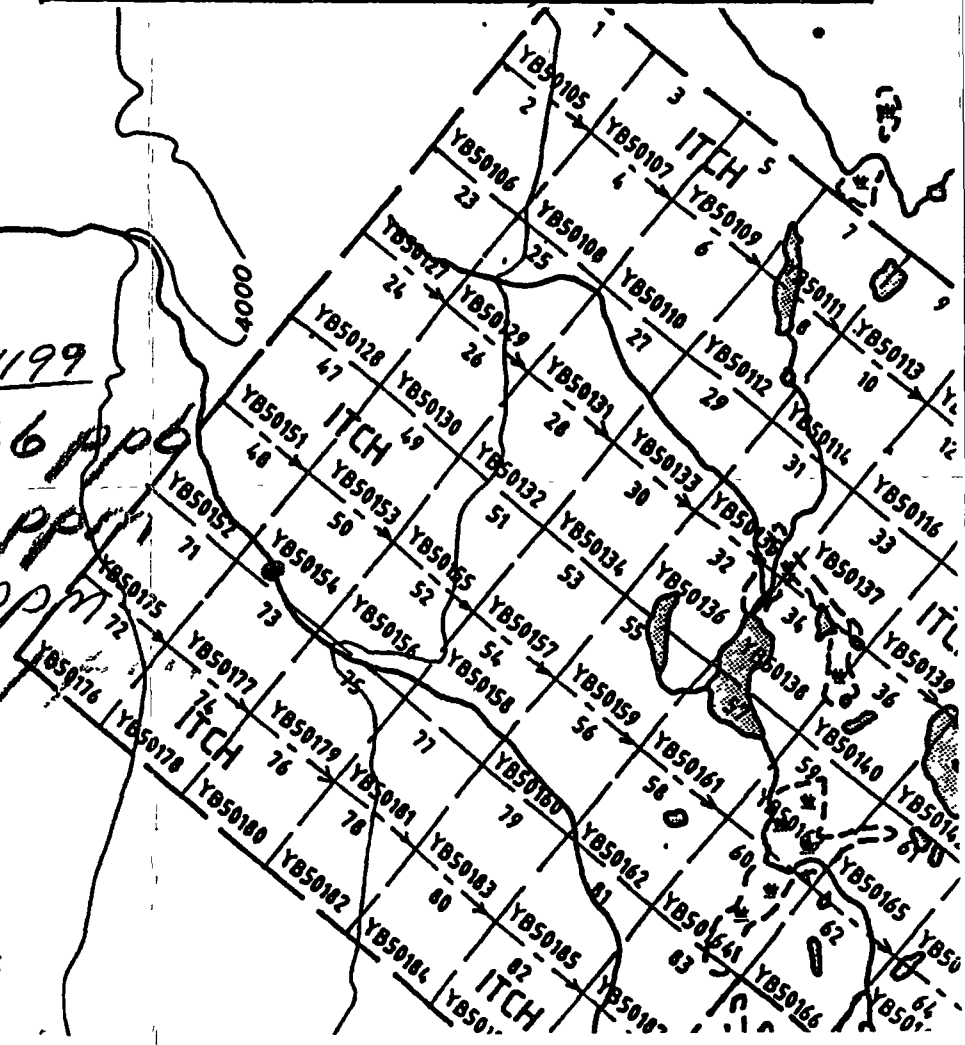
#1215
 LOW
 VALUES



#1199
 Au 36 ppb
 As 99 ppm
 W 2 ppm
 SL 1.0

#1230
 Au 110 ppb
 As 25 ppm
 W 21 ppm
 SL 6 ppm

#1246
 7.2 ppb



Δ 6483

5000

4000

5000

5000

4500

5000

4000

5000

PER

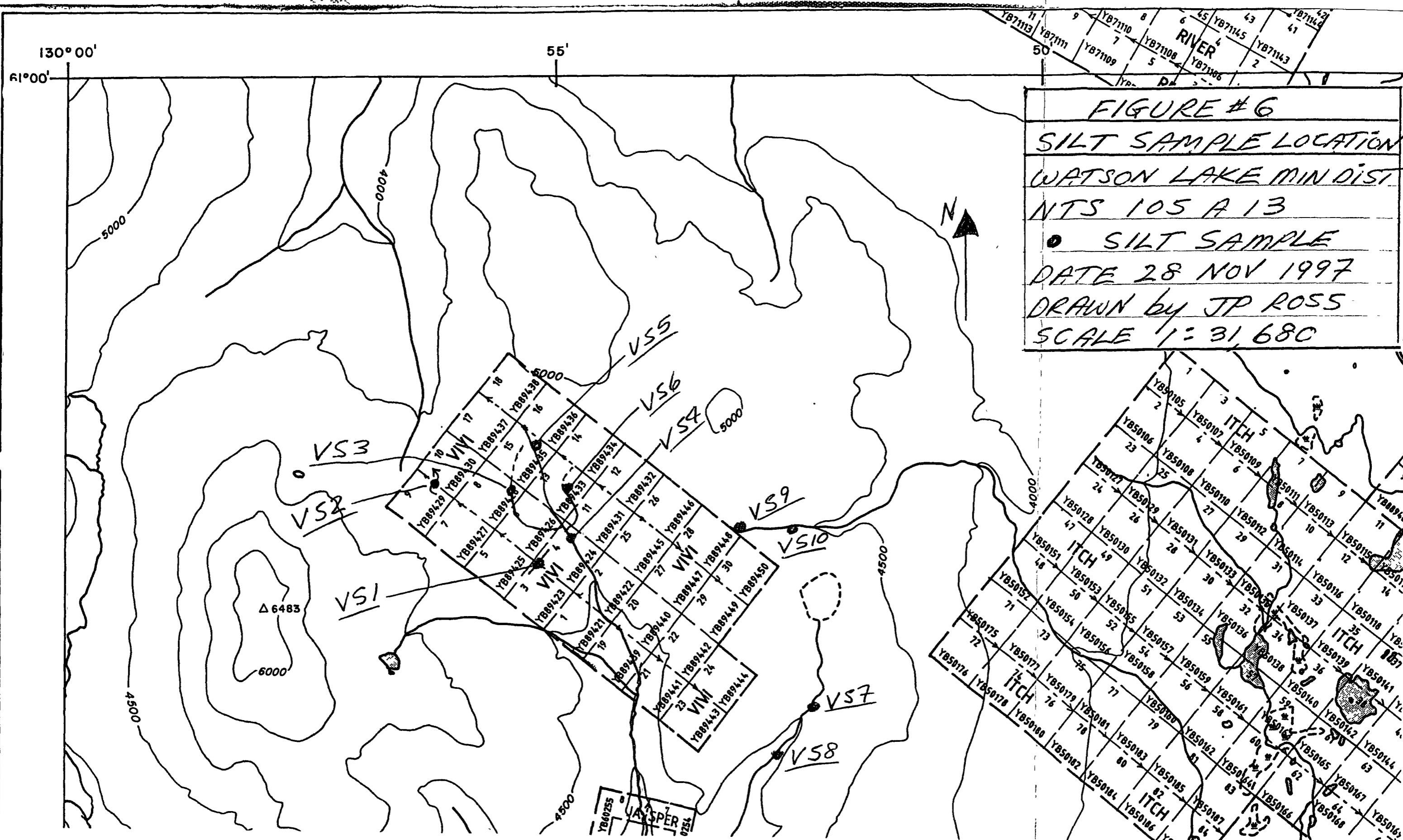


FIGURE #6
 SILT SAMPLE LOCATION
 WATSON LAKE MIN DIST
 NTS 105 A 13
 ● SILT SAMPLE
 DATE 28 NOV 1997
 DRAWN by JP ROSS
 SCALE 1:31,680

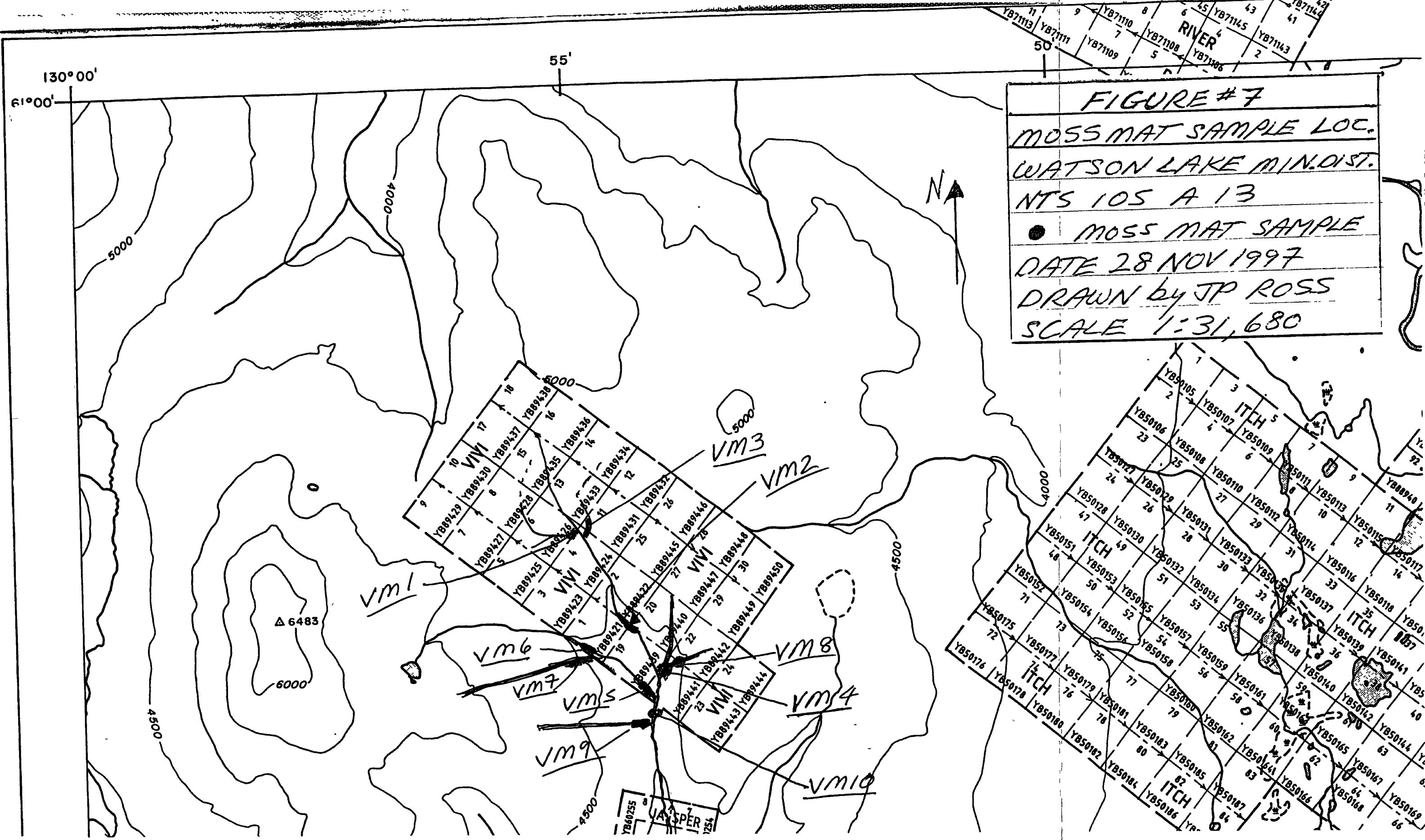
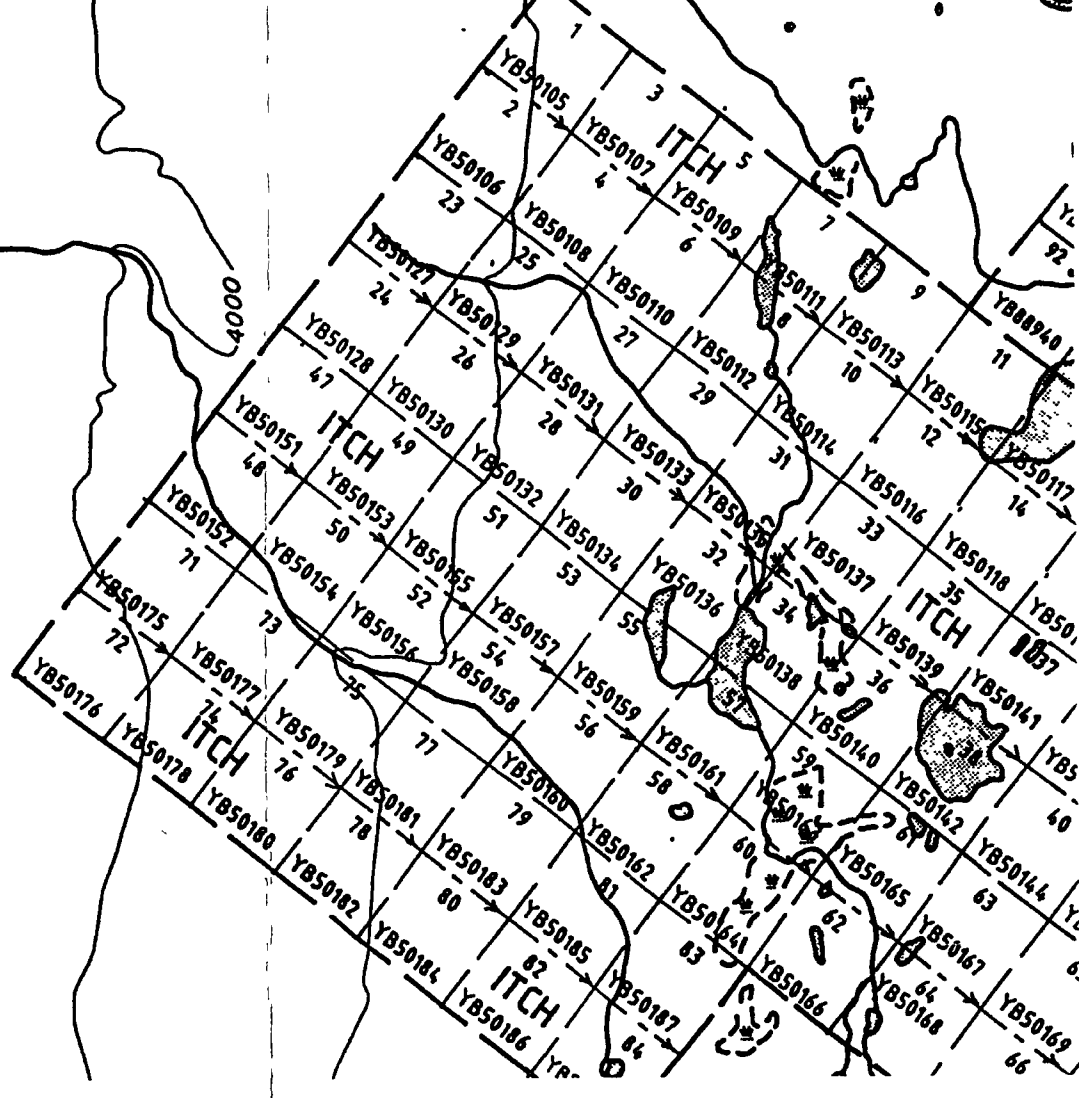
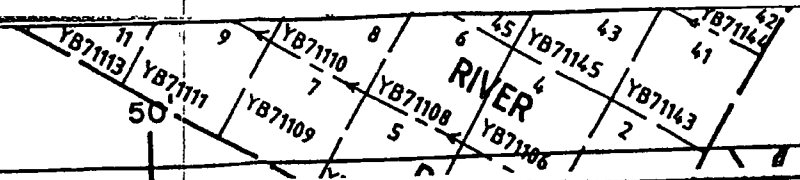


FIGURE #7
 MOSS MAT SAMPLE LOC.
 WATSON LAKE MIN. DIST.
 NTS 105 A 13
 ● MOSS MAT SAMPLE
 DATE 28 NOV 1997
 DRAWN by JP ROSS
 SCALE 1:31,680



YB60255
 JASPER
 254

Chapter Two: SUMMARY

The VIVI 1-30 claims were staked and recorded by J P Ross

Twenty-eight (28) float rock samples were taken and tested on the 1st trip, sixteen (16) float rock samples were taken and tested on the first trip

Ten (10) silt samples were taken on the 2nd trip Active stream sediments were shoveled onto a -8 mesh screen which was positioned over a pail for collection Enough sample material was screened to fill a silt bag.

Ten (10) moss mats were taken from many sites (active areas) and passed through a -8 mesh screen which was positioned over a pail for collection Enough sample material was screened to fill 2-3 silt bags This was enough material to get 100+ grams of -150 mesh for a cyanide leach test for Au (detection limit is 0.2 ppb). As well, moss mat samples were tested for Au by fire assay (-80 to +150 mesh fraction)

The highest gold value detected in float rock was a disappointing 212 ppb.

Some Silt Samples were anomalous

<u>-80 mesh</u>	<u>Au ppb</u>	<u>As ppm</u>	<u>Sb ppm</u>
VS 7	--	130	--
VS 8	431	380	7
VS 9	103	--	15
VS 10	1494	--	17

Some Moss Mat Samples were anomalous

	<u>Au ppb</u>	<u>Au ppb</u>	<u>As ppm</u>	<u>Sb ppm</u>
	<u>-80 +150 mesh</u>	<u>-150 mesh</u>	<u>-80 mesh</u>	<u>-80 mesh</u>
VM 4	1634	307.4	--	14
VM 8	7	1.8	31	6
VM 10	594	118.9	20	5

Dates worked in 1997 were June 15 – July 9 and August 24 to September 10

Chapter Three: GEOCHEMICAL SURVEY

3.1 Soil Geochemistry

No soil samples were taken

3.2 Silt Geochemistry

Ten (10) silt samples were taken. The highest values were from samples VS 8 - 431 ppb Au, VS 9 - 103 ppb Au, VS 10 - 1494 ppb Au

The sample was passed through a -80 mesh screen and assayed for Au and 30 element ICP.

3.3 Moss Mat Geochemistry

Ten (10) moss mat samples were taken. The highest values were from samples VM 4 - 1634 ppb Au (-80 + 150 mesh) and 307.4 ppb Au (-150 mesh), VM 10 - 594 ppb Au (-80 + 150 mesh) and 118.9 ppb Au (-150 mesh)

The sample was passed through an 80 mesh screen and assayed for 30 element ICP. Sample was also passed through a -80 mesh and +150 mesh screen. The +150 fraction was assayed for Au by fire assay, the -80 fraction was assayed for Au by cyanide leach methods.

3.3 Rock Geochemistry

Some rocks were cut open for study, no visible gold was seen and gold values were all poor, the highest assay was 212 ppb

3.3 Interpretation

The geology of the area staked and prospected is Unit 8 (Paleozoic intermediate to felsic volcanics and associated marine carbonates and clastics). Float to the north of my camp, many were breccias (chemical?? According to Mike Burke, DIAND geologist). V8-VI5 to the south seemed to be brecciated felsic volcanic with low sulphides and small quartz vein (hydrothermally altered) according to Jim McFaul, local Whitehorse geologist. Similar to gold epithermal deposits.

Government silt samples 1199, 1230 and 1246 were confirmed upstream for gold. Sample 1200 was not checked out.

Below the VIVI Claims there are 8 hard rock claims and 5 placer claims. One of the placer claims is called JASPER and may have been called so because of the presence of Jasper mineral in the creek. Jasper is seen in Carlin Type gold deposits.

Chapter Four: PROSPECTING

The placer claims lower in the creek are not for placer gold but for jade, according to the Watson Lake Mining Recorder

It is not known if the Au-Sb anomaly comes from an epithermal, motherlode, skarn or Carlin Type deposit

The area inside of samples VS 7, 8, 9, 10 and VM 4, VM 10 is a gold target for exploration.

Sample VM 4 is high in gold and antimony in both the (-80 +150) and (-150) fractions. This shows that VIVI 20, 22, 27 is the best target area Results for samples VS 9 and VS 10 indicate the next best target area

Sixteen (16) claims should be kept, VIVI 1, 2, 11, 12, 19-30

Future work should include taking silt, moss mat and float samples, and prospecting to find the source of VM 4, VM 8, VS 9 and VS 10

As the price of gold has fallen recently, this project should be shelved until the price rises

APPENDIX 1

References

GSC Open File 3293, NTS 105A, SE Yukon, 1996

Geophysical Paper, Map 1352G, Hasselberg Lake, NTS 105 A/13

New Mineral Deposit Models of the Cordillera, Short Course MDRU 1996. (Gold skarns, motherlode deposits, Carlin Type deposits, epithermal deposits)

Personal Communication,

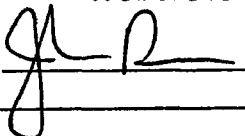
**John Kowalchuk, Geologist, NU-LITE Resources, Vancouver, BC
Trevor Bremner, Geologist, DIAND
Watson Lake Mining Recorder**

APPENDIX 2

Rock Geochemistry - Assay Results

Nu-Lite Industries
& J. Peter Ross

WO# 07843

Certified by 

Sample #	Au ppb
W - 3	<5
W - 4	<5
W - 5	212
W - 6A	60
W - 6B	48
W - 9	32
W - 10	39
W - 11	<5
W - 12	9
W - 13	<5
W - 14	5
W - 15	79
W - 16	66
W - 17	11
W - 19	<5
W - 21	5
W - 22	44
W - 23	<5
W - 24	<5
W - 25	5
W - 26	7
W - 27	<5
W - 28	86
W - 31	76
W - 32	<5
W - 33	33
W - 34	<5
W - 35	<5

Note: Au is 30g F/AAS.





CERTIFICATE OF ANALYSIS
iPL 97J1033

2036 Columbia Street
Vancouver, B C
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Northern Analytical Laboratories

12 Samples

Out: Oct 16, 1997 In: Oct 14, 1997

[103309:35.17:79101697]

Project : WO# 7952
Shipper : Norm Smith
Shipment: PO#: 332340
Analysis:
ICP(AqR)30

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B311	12	Pulp	Received as it is, no sample prep.	12M/Drs	00M/Drs

Analytical Summary

NS=No Sample Rep=Replicate M=Month Dis=Discard

Comment:

Document Distribution

1 Northern Analytical Laboratories EN RT CC IN FX
105 Copper Road 1 2 2 2 1
Whitehorse DL 3D EM BT BL
YT Y1A 2Z7 0 0 0 0 0
Canada Ph: 403/668-4968
Att. Norm Smith Fx: 403/668-4890
Em: NAL@hypertech.yk.ca

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0721	ICP	ppm	Ag ICP	Silver	0.1	99.9
02	0711	ICP	ppm	Cu ICP	Copper	1	20000
03	0714	ICP	ppm	Pb ICP	Lead	2	20000
04	0730	ICP	ppm	Zn ICP	Zinc	1	20000
05	0703	ICP	ppm	As ICP	Arsenic	5	9999
06	0702	ICP	ppm	Sb ICP	Antimony	5	999
07	0732	ICP	ppm	Hg ICP	Mercury	3	9999
08	0717	ICP	ppm	Mo ICP	Molybdenum	1	999
09	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	999
10	0705	ICP	ppm	Bi ICP	Bismuth	2	9999
11	0707	ICP	ppm	Cd ICP	Cadmium	0.1	99.9
12	0710	ICP	ppm	Co ICP	Cobalt	1	9999
13	0718	ICP	ppm	Ni ICP	Nickel	1	9999
14	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	9999
15	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	999
16	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	9999
17	0729	ICP	ppm	V ICP	Vanadium	2	9999
18	0716	ICP	ppm	Mn ICP	Manganese	1	9999
19	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	9999
20	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	9999
21	0731	ICP	ppm	Zr ICP	Zirconium	1	9999
22	0736	ICP	ppm	Sc ICP	Scandium	1	9999
23	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
24	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	9.99
25	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	9.99
26	0712	ICP	%	Fe ICP	Iron	0.01	9.99
27	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	9.99
28	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	9.99
29	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
30	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

EN=Envelope # RT=Report Style CC=Copies IN=Invoices Fx=Fax(1=Yes 0=No) Totals: 2=Copy 2=Invoice 0=3 1/2 Disk
DL=Download 3D=3 1/2 Disk EM=E-Mail BT=BBS Type BL=BBS(1=Yes 0=No) ID=C030901

* Our liability is limited solely to the analytical cost of these analyses.

BC Certified Assayer: David Chiu



INTERNATIONAL PLASMA LABORATORY LTD

CERTIFICATE OF ANALYSIS

iPL 97G0621

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 Vancouver, B C
 Canada V5Y 3E1
 Phone (604) 879-7878
 Fax (604) 879-7898

Client : Northern Analytical Laboratories
 Project: W.O. 7843

28 Samples
 28=Pu1p

[062111:36:05:79072397]

Out: Jul 23, 1997
 In : Jul 17, 1997

Page 1 of 1
 Section 1 of 1

Sample Name	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Tl	Bi	Cd	Co	Ni	Ba	W	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%
W 3	P 0.1	7	<	31	15	<	<	1	<	<	0.1	6	10	58	<	146	12	137	6	1	3	1	<	0.31	0.05	0.90	0.08	0.10	0.02	0.02	
W 4	P <	19	4	35	<	<	<	1	<	<	0.1	3	9	37	<	133	10	168	3	2	1	1	<	0.10	0.07	0.98	0.01	0.04	0.02	0.03	
W 5	P 1.8	10	14	9	130	24	<	2	<	<	<	2	9	24	<	115	5	34	6	10	4	<	<	0.14	0.01	3.65	<	0.11	0.01	0.01	
W 6A	P 0.5	7	10	10	43	23	<	1	<	<	<	3	8	608	<	131	6	44	11	137	1	<	<	0.20	<	1.58	0.01	0.11	0.01	0.04	
W 6B	P 0.5	6	4	13	13	11	<	1	<	<	<	1	7	122	<	145	6	84	18	18	7	<	<	0.22	<	1.69	0.01	0.13	0.01	0.02	
W 9	P 0.7	6	2	10	19	17	<	1	<	<	0.1	1	6	139	<	89	5	46	10	11	3	<	<	0.17	<	1.36	<	0.12	0.01	0.01	
W10	P 0.3	6	6	8	24	23	<	1	<	<	<	1	7	264	<	110	6	31	12	61	1	<	<	0.21	<	1.44	0.01	0.13	0.02	0.03	
W11	P <	21	<	61	<	<	<	1	<	<	<	5	15	82	<	117	29	176	10	16	3	5	<	0.28	0.13	3.54	0.02	0.08	0.01	0.09	
W12	P 0.1	4	151	26	<	27	<	2	<	<	0.1	3	10	26	<	126	17	252	13	3	1	3	<	0.18	0.02	1.72	0.01	0.04	0.01	0.03	
W13	P 0.1	36	10	49	<	<	<	3	<	<	0.3	4	19	43	<	117	15	90	10	4	3	1	<	0.25	0.02	2.12	0.01	0.10	0.01	0.03	
W14	P <	19	2	26	<	6	<	1	<	<	<	2	11	40	<	149	12	44	5	11	2	2	<	0.22	0.12	1.15	<	0.06	0.01	0.07	
W15	P 0.3	5	2	8	35	17	<	1	<	<	<	1	6	133	<	105	5	45	9	14	2	<	<	0.16	<	1.53	<	0.10	0.01	0.02	
W16	P 0.3	11	<	21	443	13	<	1	<	<	<	2	7	272	<	125	7	60	6	41	1	<	<	0.13	<	1.17	<	0.07	0.01	0.02	
W17	P 0.2	35	25	103	40	<	<	3	<	<	<	41	97	190	11	256	167	601	<	138	1	11	0.31	5.65	2.43	3.86	2.75	2.09	0.28	0.03	
W19	P 0.1	21	<	26	<	<	<	1	<	<	<	5	10	51	<	165	42	166	5	11	2	3	0.04	1.00	0.18	1.78	0.46	0.27	0.04	0.03	
W21	P 0.2	16	<	43	<	15	<	3	<	<	<	51	502	85	<	772	25	2157	<	2	1	4	<	0.21	0.05	4.37	5.66	<	0.01	<	
W22	P 0.5	22	<	32	93	9	<	1	<	<	0.5	9	88	48	<	341	16	264	5	3	<	1	<	0.16	0.03	2.03	0.67	0.07	0.01	0.02	
W23	P <	9	<	36	<	<	<	<	<	<	<	6	23	48	<	139	36	150	11	1	2	3	0.06	0.69	0.06	1.68	0.35	0.34	0.02	0.03	
W24	P 0.2	8	5	37	36	8	<	4	<	<	<	94	1937	20	<	361	10	713	<	30	1	5	<	0.18	0.37	4.06	22%	<	0.01	<	
W25	P 0.1	11	6	55	6	6	<	1	<	<	<	8	25	94	<	175	24	205	11	2	4	2	0.08	0.88	0.03	1.96	0.36	0.50	0.03	0.02	
W26	P 0.1	9	<	7	<	<	<	1	<	<	<	1	13	11	<	161	<	38	<	1	<	<	<	0.03	0.02	0.32	0.09	0.01	0.01	<	
W27	P <	5	<	4	<	<	<	<	<	<	0.1	1	6	57	<	172	3	40	<	1	<	<	<	0.03	0.03	0.28	0.01	0.01	0.02	0.01	
W28	P 0.2	10	<	20	113	5	<	2	<	<	<	1	8	42	<	176	4	26	10	3	1	<	<	0.15	<	1.11	0.02	0.12	0.01	<	
W31	P 1.0	3	9	8	37	14	<	<	<	<	<	1	4	85	<	104	4	24	17	10	2	<	<	0.18	0.02	0.50	0.02	0.13	0.02	<	
W32	P 0.1	13	<	13	<	<	<	1	<	<	<	1	5	7	<	199	3	46	4	1	<	<	<	0.03	0.03	0.55	<	<	0.01	<	
W33	P 18.4	24	7304	2285	<	<	<	<	<	55	40.9	1	4	3	<	210	<	33	<	1	<	<	<	0.01	<	0.52	<	<	0.02	<	
W34	P 0.2	3	67	79	<	<	<	1	<	<	0.9	5	10	66	<	164	24	684	19	19	1	3	<	0.19	<	2.37	0.05	0.10	0.02	0.02	
W35	P 0.2	8	42	18	<	<	<	1	<	<	0.2	1	5	42	<	164	3	59	4	2	1	<	<	0.14	0.02	0.70	0.01	0.12	0.02	0.01	

Min Limit 0.1 1 2 1 5 5 3 1 10 2 0.1 1 1 2 5 1 2 1 2 1 1 1 1 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01
 Max Reported* 99.9 20000 20000 20000 9999 999 9999 999 999 9999 99.9 9999 9999 9999 999 9999 9999 9999 9999 9999 9999 9999 9999 9999 1.00 9.99 9.99 9.99 9.99 9.99 5.00 5.00
 Method ICP
 ---No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % P=Pu1p

APPENDIX 3

Rock Sample Descriptions

<u>Sample Number</u>	<u>Description</u>
W3	Blue quartz
W4	Quartz and limonite
W5	Heavy black volcanic (?) rock with sulphides
W6A, B	Grab sample of small pieces
W9	Volcanic with slickensides and sulphides
W10	Volcanic with breccias
W11	Lots of strange sulphides
W12	Volcanic breccia and limonite
W13	Background rock containing sulphides
W14	Orange quartz with sulphide areas
W15	Limonitic volcanic rock
W16	Very complex rock, large angular sulphides and limonite
W17	Green quartz with sulphides
W19	Quartz chip and sulphides
W21	Soft volcanic rock with limonite cavities
W22	White quartz and limonite, interesting texture
W23	Reddish tinge (?)
W24	Blue-black volcanic rock
W25	Volcanic rock with quartz zones
W26	Quartz with many sulphides (black, brown, beige)
W27	As W26, but less sulphides
W28	Stained quartz and vuggy holes
W31	Blue quartz, soft with sulphides
W32	White quartz and sulphides
W33	White orange quartz, 1/5 of rock taken contained limonite and galena
W34	Large, angular and soft, interesting sulphides, quartz (?)
W35	Large angular quartz boulder with vuggy holes and limonite

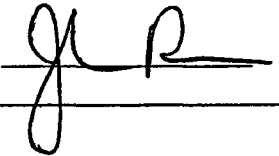
23/09/97

Assay Certificate

Page 1

Nu-Lite Industries
Peter Ross

WO# 07929

Certified by 

Sample #	Au ppb
V -1	13
V -2	<5
V -3	<5
V -4	<5
V -5	73
V -6	10
V -7	<5
V -8	<5
V -9	<5
V -10	<5
V -11A	104
V -11B	5
V - 12	27
V - 13	5
V - 14	<5
V - 15	<5

Note: Au is 30gm FA/AAS.





INTERNATIONAL PLASMA LABORATORY LTD

CERTIFICATE OF ANALYSIS

iPL 97J1001

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Vancouver, B C
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Fax (604) 879-7898

Northern Analytical Laboratories

20 Samples

Out: Oct 09, 1997 In: Oct 06, 1997

[100112:32:34:79100997]

Project : W0# 7918
Shipper : Norm Smith
Shipment: PO#: 332338
Analysis:
ICP(AQR)30

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B311	20	Pulp	Received as it is, no sample prep.	12M/Dis	00M/Dis

NS=No Sample Rep=Replicate M=Month Dis=Discard

Comments:

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Canada
Att: Norm Smith Ph:403/668-4968
Fx:403/668-4890
Em:NAL@hypertech.yk.ca

Analytical Summary						Limit	Limit
##	Code	Method	Units	Description	Element	Low	High
01	0721	ICP	ppm	Ag ICP	Silver	0.1	99.9
02	0711	ICP	ppm	Cu ICP	Copper	1	20000
03	0714	ICP	ppm	Pb ICP	Lead	2	20000
04	0730	ICP	ppm	Zn ICP	Zinc	1	20000
05	0703	ICP	ppm	As ICP	Arsenic	5	9999
06	0702	ICP	ppm	Sb ICP	Antimony	5	999
07	0732	ICP	ppm	Hg ICP	Mercury	3	9999
08	0717	ICP	ppm	Mo ICP	Molybdenum	1	999
09	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	999
10	0705	ICP	ppm	Bi ICP	Bismuth	2	9999
11	0707	ICP	ppm	Cd ICP	Cadmium	0.1	99.9
12	0710	ICP	ppm	Co ICP	Cobalt	1	9999
13	0718	ICP	ppm	Ni ICP	Nickel	1	9999
14	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	9999
15	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	999
16	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	9999
17	0729	ICP	ppm	V ICP	Vanadium	2	9999
18	0716	ICP	ppm	Mn ICP	Manganese	1	9999
19	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	9999
20	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	9999
21	0731	ICP	ppm	Zr ICP	Zirconium	1	9999
22	0736	ICP	ppm	Sc ICP	Scandium	1	9999
23	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
24	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	9.99
25	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	9.99
26	0712	ICP	%	Fe ICP	Iron	0.01	9.99
27	0715	ICP	%	Hg ICP (Incomplete Digestion)	Magnesium	0.01	9.99
28	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	9.99
29	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
30	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

EN=Envelope # RT=Report Style CC=Copies IN=Invoices Fx=Fax(1=Yes 0=No) Totals: 2=Copy 2=Invoice 0=3} Disk

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* Our liability is limited solely to the analytical cost of these analyses.

BC Certified Assayers David Chiu

<u>Sample Number</u>	<u>Description</u>
V1	Large angular, felsic volcanic areas, milk white chalcedony, white quartz, blue grey quartz areas.
V2	??
V3	Similar to V1
V4	Whole rock, less quartz
V5	Black stained and a bit of quartz
V6	Strange quartz, warped with sulphides
V7	Volcanic rock with chalcedony
V8	Orange rock and quartz stringers
V9	Similar to V8
V10	Similar to V8
V11(A)	Large orange bleached, clay breccia of quartz
V11(B)	Large orange bleached, clay breccia of quartz
V12	Complex orange rock
V13	Complex rock and lots of quartz areas
V14	Orange and dark orange vein (can be cut with knife)
V15	Complex orange rock

APPENDIX 4

Silt Geochemistry - Assay Results

07/10/97

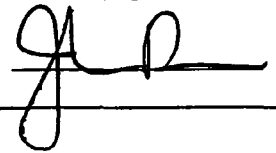
Assay Certificate

Page 1

J. Peter Ross

WO#07918

Certified by



Sample #	Au ppb
Notes: Au is 30gm FA/AAS.	
VS - 1	8
VS - 2	7
VS - 3	<5
VS - 4	<5
VS - 5	10
VS - 6	12
VS - 7	<5
VS - 8	431
VS - 9	103
VS - 10	1494





CERTIFICATE OF ANALYSIS
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Vancouver, B C
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Northern Analytical Laboratories

12 Samples

Out: Oct 16, 1997 In: Oct 14, 1997

[103309:35:17:79101697]

Project : WO# 7952
Shipper : Norm Smith
Shipment: PO#: 332340
Analysis:
ICP(AqR)30

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B311	12	Pulp	Received as it is, no sample prep.	12M/Dis	00M/Dis

Analytical Summary

NS=No Sample Rep=Replicate M=Month Dis=Discard

Comment:

Document Distribution

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Canada Ph: 403/668-4968
Att: Norm Smith Fx: 403/668-4890
Em: NAL@hypertech.yk.ca

##	Code	Method	Units	Description	Element	Limit	Limit
						Low	High
01	0721	ICP	ppm	Ag ICP	Silver	0.1	99.9
02	0711	ICP	ppm	Cu ICP	Copper	1	20000
03	0714	ICP	ppm	Pb ICP	Lead	2	20000
04	0730	ICP	ppm	Zn ICP	Zinc	1	20000
05	0703	ICP	ppm	As ICP	Arsenic	5	9999
06	0702	ICP	ppm	Sb ICP	Antimony	5	999
07	0732	ICP	ppm	Hg ICP	Mercury	3	9999
08	0717	ICP	ppm	Mo ICP	Molydenum	1	999
09	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	999
10	0705	ICP	ppm	Bi ICP	Bismuth	2	9999
11	0707	ICP	ppm	Cd ICP	Cadmium	0.1	99.9
12	0710	ICP	ppm	Co ICP	Cobalt	1	9999
13	0718	ICP	ppm	Ni ICP	Nickel	1	9999
14	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	9999
15	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	999
16	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	9999
17	0729	ICP	ppm	V ICP	Vanadium	2	9999
18	0716	ICP	ppm	Mn ICP	Manganese	1	9999
19	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	9999
20	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	9999
21	0731	ICP	ppm	Zr ICP	Zirconium	1	9999
22	0736	ICP	ppm	Sc ICP	Scandium	1	9999
23	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
24	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	9.99
25	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	9.99
26	0712	ICP	%	Fe ICP	Iron	0.01	9.99
27	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	9.99
28	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	9.99
29	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
30	0719	ICP	%	P ICP	Phosphorus	0.01	5.00



INTERNATIONAL PLASMA LABORATORY LTD

CERTIFICATE OF ANALYSIS

iPL 97J1001

2036 Columbia Street
 Vancouver B C
 Canada V5Y 3E1
 Phone (604) 879-7878
 Fax (604) 879-7898

Client : Northern Analytical Laboratories
 Project: WO# 7918

20 Samples
 20=Pulp

[100112:32:34:79100997]

Out: Oct 09, 1997 Page 1 of 1
 In : Oct 06, 1997 Section 1 of 1

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
VS 1	P 0.3	28	14	45	17	<	<	2	<	<	0.4	9	26	103	6	52	45	190	11	9	1	4	0.08	0.99	0.29	1.44	0.41	0.33	0.03	0.06
VS 2	P 1.0	124	18	91	63	<	<	3	<	<	1.2	18	58	191	7	136	86	710	14	30	1	6	0.07	2.19	1.10	2.80	0.99	0.24	0.04	0.09
VS 3	P 0.5	26	17	117	42	<	<	1	<	<	0.8	16	50	125	6	97	59	337	8	14	<	4	0.12	1.68	0.43	2.23	0.77	0.35	0.03	0.07
VS 4	P 0.6	34	43	173	41	<	<	1	<	<	0.8	16	66	192	47	72	61	660	17	22	1	4	0.12	1.91	0.52	3.32	0.71	0.34	0.03	0.08
VS 5	P 0.6	45	19	177	29	<	<	2	<	<	1.3	16	99	228	5	88	58	873	21	29	<	3	0.10	2.06	0.86	2.86	0.76	0.29	0.03	0.10
VS 6	P 1.2	65	49	232	71	<	<	2	<	<	0.9	20	84	283	<	101	80	568	27	25	1	5	0.13	2.88	0.63	3.76	1.00	0.53	0.03	0.14
VS 7	P 0.3	16	9	110	130	<	<	5	<	<	0.6	56	398	301	15	503	55	3488	11	16	1	3	0.02	1.17	0.25	8.69	1.69	0.05	0.02	0.06
VS 8	P 0.4	37	17	111	388	7	<	3	<	<	0.8	44	497	249	<	350	54	3296	14	19	<	4	0.04	1.37	0.28	4.99	2.60	0.10	0.02	0.06
VS 9	P 0.2	32	16	87	<	15	<	2	<	<	0.4	46	822	97	<	854	44	758	6	9	<	3	0.02	0.80	0.18	4.18	2.77	0.07	0.02	0.09
VS10	P 0.2	26	10	71	<	17	<	2	<	<	0.2	46	748	75	<	1026	50	635	5	7	<	3	0.02	0.70	0.13	4.60	2.63	0.04	0.02	0.04

Min Limit 0.1 1 2 1 5 5 3 1 10 2 0.1 1 1 2 5 1 2 1 2 1 1 1 1 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01
 Max Reported* 99.9 20000 20000 20000 9999 999 9999 999 999 9999 99.9 9999 9999 9999 999 9999 9999 9999 9999 9999 9999 9999 9999 9999 1.00 9.99 9.99 9.99 9.99 9.99 5.00 5.00
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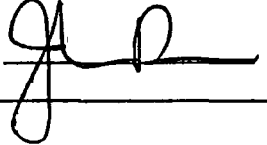
07/10/97

Assay Certificate

Page 1

J. Peter Ross

WO# 07918

Certified by 

Sample #	Au ppb
VM - 1	<5
VM - 2	<5
VM - 3	5
VM - 4	1634
VM - 5	8
VM - 6	<5
VM - 7	14
VM - 8	7
VM - 9	6
VM - 10	594

Notes. Au is 30gm FA/AAS.
For VM series samples, -80+150 mesh fraction was analysed.



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GEOCHEMICAL ANALYSIS CERTIFICATE



Northern Analytical Laboratories PROJECT WO#7918 File # 97-5882

105 Copper Road, Whitehorse YT Y1A 2Z7

SAMPLE#	Au# ppb
VM-1	1.2
VM-2	1.2
VM-3	4.1
VM-4	307.4
VM-5	10.3
VM-6	2.0
VM-7	2.2
RE VM-7	1.6
VM-8	1.8
VM-9	6.5
VM-10	118.9

AL# - 0.5% CYANIDE LEACH, SHAKE 2 MINUTES EVERY HOUR FOR 24 HRS., DIGEST IN AQUA REGIA, EXTRACT INTO MIBK, ANALYSIS BY GRAPHITE AA.

- SAMPLE TYPE: SOIL PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 6 1997 DATE REPORT MAILED: Nov 4/97 SIGNED BY: *C. Long* D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Peter Ross.



CERTIFICATE OF ANALYSIS

iPL 97J1033

2036 Columbia Street
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Northern Analytical Laboratories

12 Samples

Out: Oct 16, 1997 In: Oct 14, 1997

[103309:35:17:79101697]

Project : WO# 7952
 Shipper : Norm Smith
 Shipment: PO#: 332340
 Analysis:
 ICP(AQR)30

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
8311	12	Pulp	Received as it is, no sample prep.	12M/Dis	00M/Dis

Analytical Summary						NS=No Sample	Rep=Replicate	M=Month	Dis=Discard
#	Code	Method	Units	Description	Element	Limit	Limit		
						Low	High		
01	0721	ICP	ppm	Ag ICP	Silver	0.1	99.9		
02	0711	ICP	ppm	Cu ICP	Copper	1	20000		
03	0714	ICP	ppm	Pb ICP	Lead	2	20000		
04	0730	ICP	ppm	Zn ICP	Zinc	1	20000		
05	0703	ICP	ppm	As ICP	Arsenic	5	9999		
06	0702	ICP	ppm	Sb ICP	Antimony	5	999		
07	0732	ICP	ppm	Hg ICP	Mercury	3	9999		
08	0717	ICP	ppm	Mo ICP	Molybdenum	1	999		
09	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	999		
10	0705	ICP	ppm	Bi ICP	Bismuth	2	9999		
11	0707	ICP	ppm	Cd ICP	Cadmium	0.1	99.9		
12	0710	ICP	ppm	Co ICP	Cobalt	1	9999		
13	0718	ICP	ppm	Ni ICP	Nickel	1	9999		
14	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	9999		
15	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	999		
16	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	9999		
17	0729	ICP	ppm	V ICP	Vanadium	2	9999		
18	0716	ICP	ppm	Mn ICP	Manganese	1	9999		
19	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	9999		
20	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	9999		
21	0731	ICP	ppm	Zr ICP	Zirconium	1	9999		
22	0736	ICP	ppm	Sc ICP	Scandium	1	9999		
23	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00		
24	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	9.99		
25	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	9.99		
26	0712	ICP	%	Fe ICP	Iron	0.01	9.99		
27	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	9.99		
28	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	9.99		
29	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00		
30	0719	ICP	%	P ICP	Phosphorus	0.01	5.00		

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* Our liability is limited solely to the analytical cost of these analyses.

BC Certified Assayer: David Chiu



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iPL 97J1001

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 Project: WO# 7918

20 Samples
 20=Pu1p

[100112:32:34:79100997]

Out: Oct 09, 1997
 In : Oct 06, 1997

Page 1 of 1
 Section 1 of 1

Sample Name	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Tl	Bi	Cd	Co	Ni	Ba	W	Cr	V	Mn	La	Sr	Zr	Sc	Ti	Al	Ca	Fe	Mg	K	Na	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
VM 1	P 0.5	29	20	175	53	<	<	2	<	<	1.3	13	48	189	6	86	71	930	12	30	<	2	0.05	2.21	0.80	2.82	0.63	0.31	0.02	0.12
VM 2	P 0.3	51	33	116	39	<	<	2	<	<	1.0	16	71	161	44	129	63	471	16	29	1	4	0.11	1.75	0.68	2.65	0.90	0.37	0.04	0.08
VM 3	P 0.4	59	53	150	39	<	<	2	<	<	1.8	15	49	177	<	51	46	835	21	22	<	2	0.08	1.43	0.55	2.74	0.61	0.45	0.02	0.11
VM 4	P 0.2	25	14	65	<	14	<	3	<	<	<	46	591	64	<	777	47	665	2	13	<	5	0.03	0.71	0.45	4.19	6.40	0.05	0.02	0.03
VM 5	P 0.3	38	18	90	26	<	<	2	<	<	1.2	16	58	202	23	101	63	560	14	17	1	5	0.12	1.49	0.42	2.71	0.62	0.38	0.03	0.08
VM 6	P 0.3	37	13	86	23	<	<	2	<	<	0.9	15	60	192	37	116	65	491	13	17	<	5	0.12	1.45	0.37	2.85	0.60	0.39	0.03	0.08
VM 7	P 0.4	36	21	75	21	<	<	2	<	<	0.8	14	54	178	9	93	60	436	15	14	<	5	0.11	1.46	0.33	2.55	0.60	0.31	0.03	0.08
VM 8	P 0.3	88	14	149	31	6	<	3	<	<	0.9	34	549	243	<	307	58	732	8	19	1	5	0.03	2.79	0.38	3.87	3.13	0.10	0.03	0.09
VM 9	P 0.3	38	16	78	15	<	<	2	<	<	1.0	16	71	261	5	92	60	373	13	17	1	5	0.10	1.59	0.48	2.73	0.73	0.30	0.03	0.07
VM10	P 0.2	29	14	83	20	5	<	3	<	<	0.3	23	217	153	19	323	59	499	10	15	1	5	0.09	1.23	0.38	3.21	2.17	0.29	0.03	0.06

Min Limit 0.1 1 2 1 5 5 3 1 10 2 0.1 1 1 2 5 1 2 1 2 1 1 1 1 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01
 Max Reported* 99.9 20000 20000 20000 9999 999 9999 999 999 9999 99.9 9999 9999 9999 999 9999 9999 9999 9999 9999 9999 9999 9999 9999 1.00 9.99 9.99 9.99 9.99 9.99 5.00 5.00
 Method ICP
 ---No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %-Estimate % NS=No Sample=Pu1p

**Summary of Work
California Creek Area
Yukon Territory, N.T.S. 116 C/1**

for

**Yukon Mining Incentives Program
Economic Development
Government of the Yukon
Box 2703, Whitehorse, Yukon Y1A 2C6**

File Number 97-13

**John Peter Ross, Prospector
December, 1997**

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Appendix 1.	References
Appendix 2	Rock Geochemistry - Assay Results
Appendix 3	Rock Sample Descriptions
Appendix 4.	Silt Geochemistry - Assay Results

Chapter One: INTRODUCTION

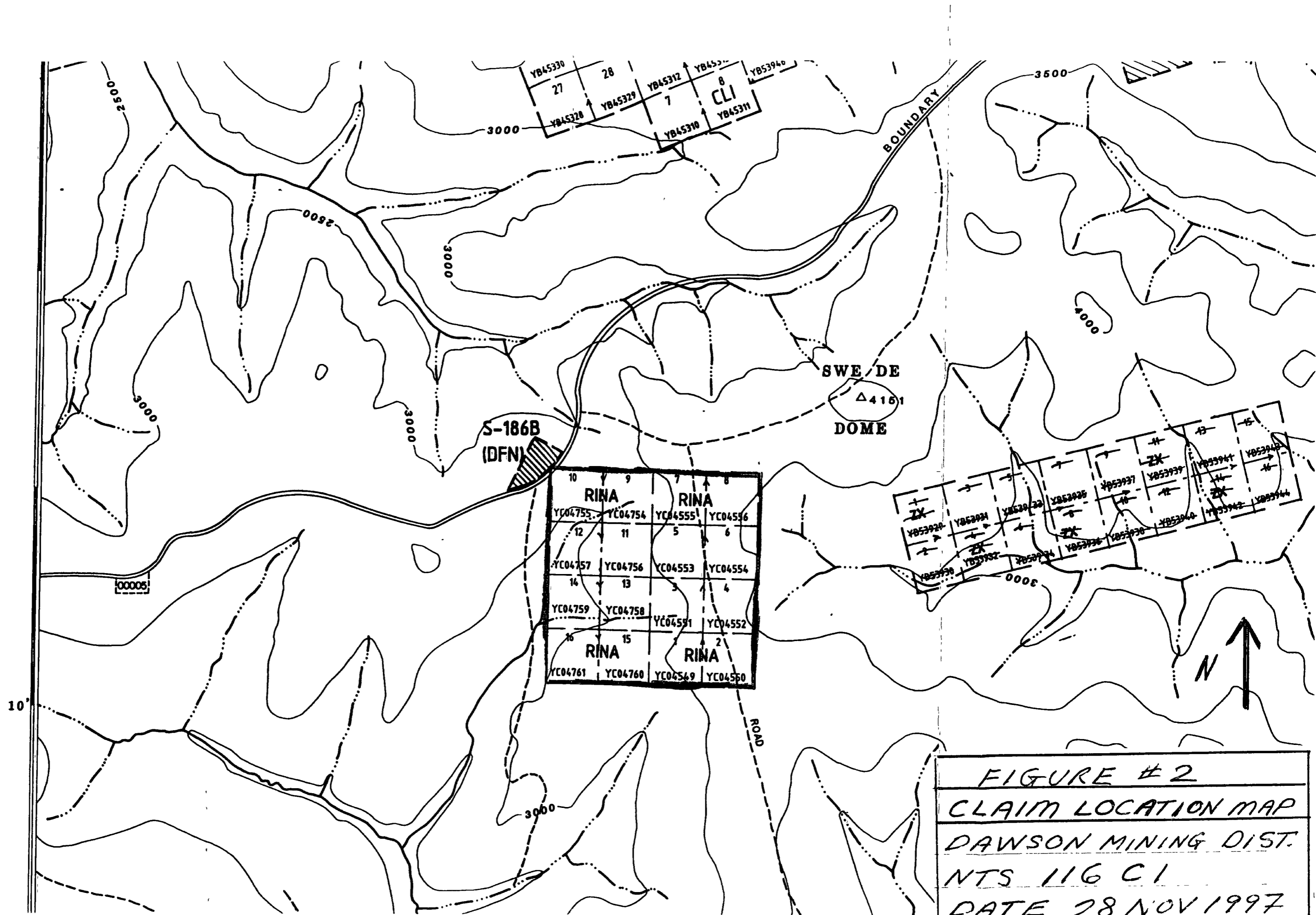
1.1 Introductory Statement

The Swede Dome (RINA claim group) area, map sheet 116 C/1, was chosen because,

1. In 1995, 47 UNI/CICI claims were staked over a magnetic anomaly (placer gold deposits are nearby) and in the spring of 1996, the claims were optioned to Madronna Mining Limited of Calgary.
2. Access is by 2-wheel drive vehicle
3. An interesting magnetic anomaly is present.
4. The geology is Nasina Series schist (Yukon Tanana Terrane) and so is favourable for VMS deposits Basalts and andesites are found in the area and may contain VMS deposits
5. Two VMS occurrences, the ZX claim and CLI claims are nearby A low-grade fine gold placer deposit exists in California Creek
6. It is possible that a linear known on the ZX claim was also inferred on the RINA claims. The western part of the claims had a geochemical high in Cu and Au and was leached like the Murray Brook gossan in New Brunswick This would enable it to liberate fine gold to form the gold placer

1.2 Location and Access

Access was by 2-wheel drive vehicle approximately 40 miles (64.4 km) west of Dawson City via the Top of the World Highway and then 1 mile (1.6 km) west of Swede Dome



YB45330	28	YB45331	YB53940
27	7	8	CLI
YB45328	YB45329	YB45310	YB45311

10	9	8	
RINA	RINA		
YC04755	YC04754	YC04555	YC04556
12	11	5	6
YC04757	YC04756	YC04553	YC04554
14	13	3	4
YC04759	YC04758	YC04551	YC04552
16	15	2	
RINA	RINA		
YC04761	YC04760	YC04549	YC04560

13	14	15
ZK	ZK	ZK
YB53937	YB53938	YB53939
8	9	10
YB53941	YB53942	YB53943
11	12	13
YB53944	YB53945	YB53946
14	15	16
YB53947	YB53948	YB53949
17	18	19
YB53950	YB53951	YB53952

FIGURE #2
 CLAIM LOCATION MAP
 DAWSON MINING DIST.
 NTS 116 C1
 DATE 28 NOV 1997

MAP 1284A

GEOLOGY

DAWSON

YUKON TERRITORY

Scale 1:250,000



21A (AGE CRETACEOUS)
FINE TO COARSE-GRAINED,
UNEVEN TEXTURED, BIOTITE
GRANIDIORITE + BIOTITE
QUARTZ MONZONITE

METAMORPHIC ROCKS SOUTHWEST OF TINTINA TRENCH

(occurs only on Map 1284A Dawson)

- E** Reddish brown-weathering, dark green serpentized ultrabasic rocks
- D** Fine- to medium-grained, granitic textured, quartz-biotite gneiss, minor quartzite, quartz-mica and biotite-chlorite schist, and quartz-feldspar pegmatite
- C** Dark weathering greenstone and banded amphibolite gneiss, minor chloritic quartz-mica schist, graphitic quartz-mica schist, quartzite, and limestone
- B** KLONDIKE "SCHIST" mainly buff weathering, light pale green quartz-muscovite-chlorite schist, and schistose, chloritic quartzite, with all intermediate rock types also present, minor silvery muscovite schist, fine-grained quartz-biotite gneiss, thinly laminated quartz-graphite-sericite schist and quartzite
- A** NASINA "SERIES" grey and grey-green micaceous quartzite, dark grey, light grey and silvery quartz-mica schist, minor fine-grained quartz biotite gneiss, graphitic schist and quartz-muscovite-chlorite schist, Aa, higher rank metamorphic rocks with biotite and garnet, Ab, coarsely crystalline, whitish limestone

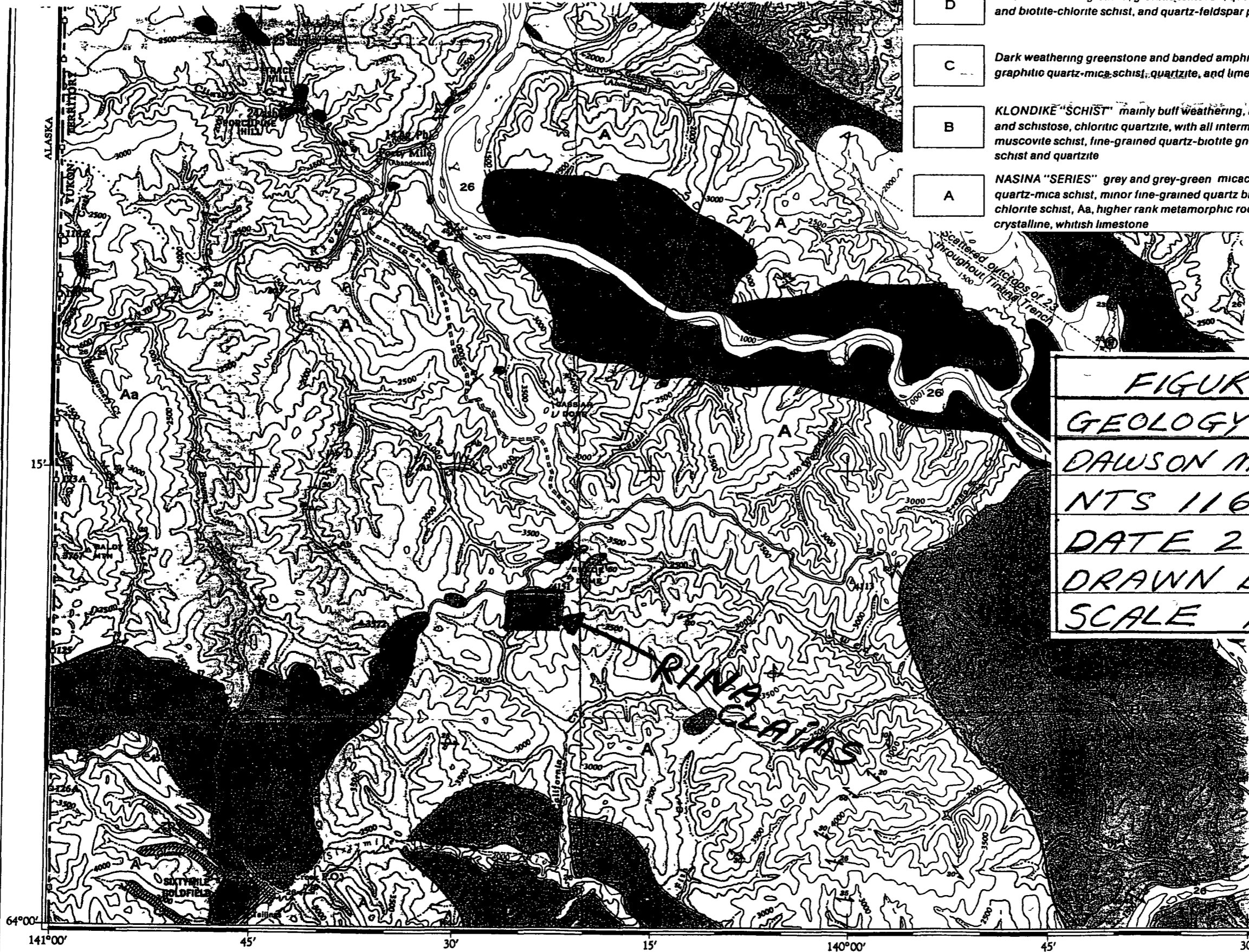


FIGURE #3
GEOLOGY MAP/CLAIMS
DAWSON MINING DIST.
NTS 116 C1
DATE 28 NOV 1997
DRAWN by J P ROSS
SCALE 1:250,000

24 DARK GREY + BROWN ANDESITE + BASALT, COMMONLY PORPHYRITIC; MINOR SHALE, SANDSTONE + CONGLOMERATE (AGE TERTIARY)

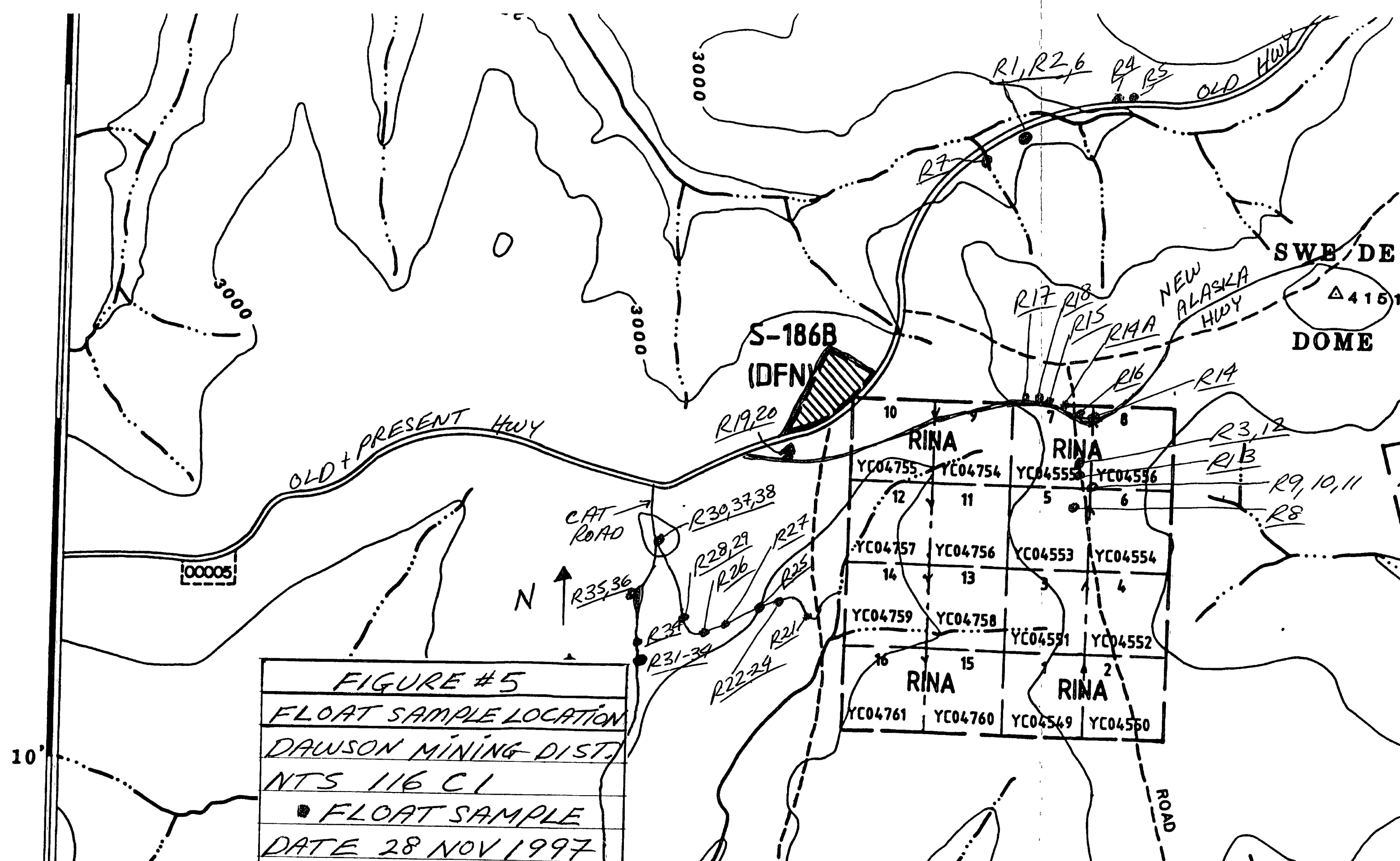
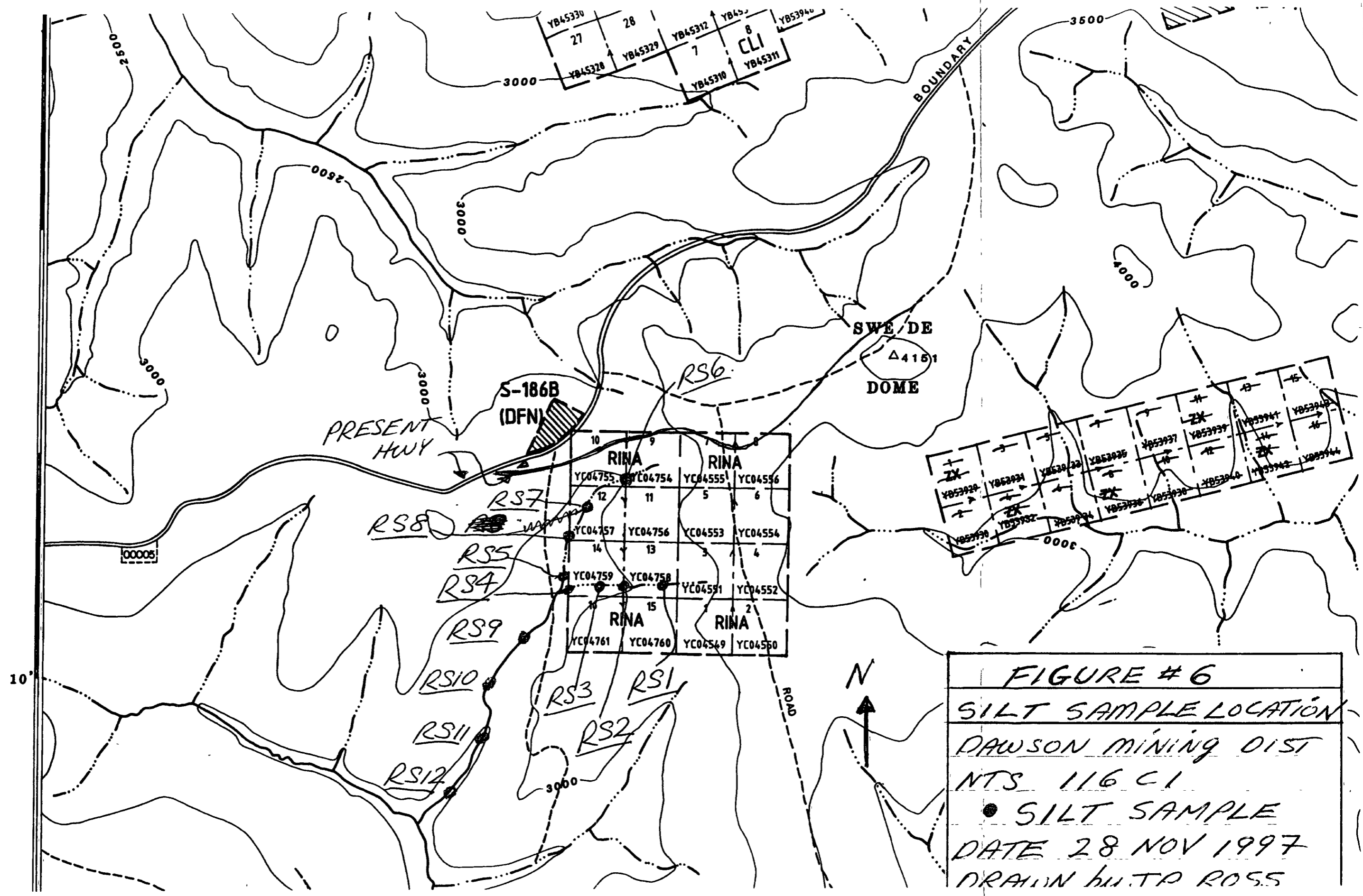


FIGURE #5
 FLOAT SAMPLE LOCATION
 DAWSON MINING DIST.
 NTS 116 C1
 ● FLOAT SAMPLE
 DATE 28 NOV 1997

10'



Chapter Two: SUMMARY

The RINA 1-16 claims were staked and recorded by J P. Ross

Thirty (30) float and rock samples were taken and tested

Twelve (12) silt samples were taken Active stream sediments were shoveled into a pail and put through the -8 mesh screen. Enough sample material was collected to fill 1 silt bag

Nothing of interest was found.

Dates worked in 1997 were: July 16 – July 30 and September 18 – October 3.

Chapter Three: GEOCHEMICAL SURVEY

3.1 Soil Geochemistry

No soil samples were taken

3.2 Silt Geochemistry

Twelve (12) silt samples were taken. The highest values were obtained from RS1 (36 ppb Au and 44 ppm As).

No base metal values were of any interest

3.3 Rock Geochemistry

Nothing of interest was found

Chapter Four: PROSPECTING

The source of the placer gold present in California Creek was not found. The results do not warrant any further work and the claims should be allowed to lapse.

STATEMENT OF QUALIFICATIONS

I, John Peter Ross, do hereby certify that I.

- 1 am a qualified prospector with mailing address;
Box 4842
Whitehorse, Yukon
Canada Y1A 4N8
2. graduated from McGill University in 1970 with a B Sc General Science
- 3 have attended and finished completely the following courses,
1974 -- BC & Yukon Chamber of Mines, Prospecting Course
1978 -- United Keno Hill Mines Limited, Elsa, Yukon, Prospecting Course
1987 -- Yukon Chamber of Mines, Advanced Prospecting Course
1991 -- Exploration Geochemistry Workshop, GSC Canada
1994 -- Diamond Exploration Short Course, Yukon Geoscience Forum
1994 -- Yukon Chamber of Mines, Alteration and Petrology for Prospectors
1994 -- Applications of Multi-Parameter Surveys (Whitehorse), Ron Shives, GSC
1994 -- Drift Exploration in Glaciated and Mountainous Terrain, BCGS
1995 -- Applications of Multi-Parameter Surveys, (Vancouver) Ron Shives, GSC
1995 -- Diamond Theory and Exploration, Short Course # 20, GSC Canada
1996 -- New Mineral Deposit Models of the Cordillera, MDRU
1997 -- Geochemical Exploration in Tropical Environments, MDRU
- 4 did all the work and the writing of this report
- 5 have been on the Yukon Prospectors' Assistance and Yukon Mining Incentive Program 1986 - 1997
6. have been on the British Columbia Prospectors' Assistance Program 1989 - 1990
7. have a 100% interest in the claims described in this report at the present time

APPENDIX 1

References

Summary of Work, Walker Fork - Glacier Creek Project, Yukon Territory, N T S. 116 C/2 for Yukon Mining Incentives Program, Economic Development, Government of the Yukon Box 2703, Whitehorse, Yukon Y1A 2C6. John Peter Ross, Prospector. November, 1995

News Release, Madrona Mining Limited, May 27, 1996

Murray Brooks Deposit, Exploration and Mining Journal, Volume 1, p 137-142, 1992

Geophysics Paper 4283G, California Creek, 116 C/1

Geochemical Release 1991, GSC Open File 2365, NTS 116 B,C,F,G

Geochemical Exploration in Tropical Environments, 1997 MDRU short course

Personal Communications,

Bob Stirling, Whitehorse, Yukon

Hugh Copeland, DIAND, Yukon

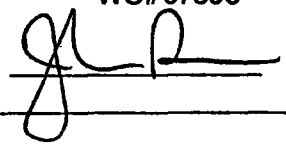
John Kowalchuk, Geologist, NU-LITE, Vancouver, BC

APPENDIX 2

Rock Geochemistry - Assay Results

Peter Ross

WO#07890

Certified by 

Sample #	Au ppb
R1	6
R2	28
R4	<5
R7	7
R8	6
R9	19
R10	7
R12	7
R14	11
R15	<5
R17	11
R18	29
R19	6
R20	8
R21	<5
R22	<5
R23	<5
R24	6
R25	11
R27	13
R28	<5
R29	11
R30	6
R31	8
R32	6
R33	8
R35	<5
R36	<5
R37	<5
R38	7

Note:
Au is 30gm FA/AAS.





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Northern Analytical Laboratories

20 Samples

Out: Oct 09, 1997 In: Oct 06, 1997

[100112:32:34:79100997]

Project : W0# 7918
Shipper : Norm Smith
Shipment: PO#: 332338
Analysis:
ICP(AqR)30

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B311	20	Pulp	Received as it is, no sample prep.	12M/DIs	00M/DIs

NS=No Sample Rep=Replicate M=Month Dis=Discard

Comment:

Document Distribution

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Att: Norm Smith Ph:403/668-4968
Fx:403/668-4890
Em: NAL@hypertech.yk.ca

Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0721	ICP	ppm	Ag ICP	Silver	0.1	99.9
02	0711	ICP	ppm	Cu ICP	Copper	1	20000
03	0714	ICP	ppm	Pb ICP	Lead	2	20000
04	0730	ICP	ppm	Zn ICP	Zinc	1	20000
05	0703	ICP	ppm	As ICP	Arsenic	5	9999
06	0702	ICP	ppm	Sb ICP	Antimony	5	999
07	0732	ICP	ppm	Hg ICP	Mercury	3	9999
08	0717	ICP	ppm	Mo ICP	Molybdenum	1	999
09	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	999
10	0705	ICP	ppm	Bi ICP	Bismuth	2	9999
11	0707	ICP	ppm	Cd ICP	Cadmium	0.1	99.9
12	0710	ICP	ppm	Co ICP	Cobalt	1	9999
13	0718	ICP	ppm	Ni ICP	Nickel	1	9999
14	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	9999
15	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	999
16	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	9999
17	0729	ICP	ppm	V ICP	Vanadium	2	9999
18	0716	ICP	ppm	Mn ICP	Manganese	1	9999
19	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	9999
20	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	9999
21	0731	ICP	ppm	Zr ICP	Zirconium	1	9999
22	0736	ICP	ppm	Sc ICP	Scandium	1	9999
23	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
24	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	9.99
25	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	9.99
26	0712	ICP	%	Fe ICP	Iron	0.01	9.99
27	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	9.99
28	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	9.99
29	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
30	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

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* Our liability is limited solely to the analytical cost of these analyses.

BC Certified Assayers: David Chiu

APPENDIX 3

Rock Sample Descriptions

<u>Sample Number</u>	<u>Description</u>
R1	Schist, quartz and sulphides
R2	unknown
R4	Dark coloured granodiorite dyke
R7	?? Quartz and sulphides
R8	Breccia flow with quartz and sulphides
R9	Blue quartz and sulphides
R10	Quartz (layered) and sulphides
R12	Breccia or flow
R14	Black volcanic rock with sulphides
R15	Quartz
R17	Sugary quartz
R18	Orange-red quartz and sulphides
R20	Folded, lots of sulphides, vugs, Hot water gone through it
R19	As R20, more quartz, less sulphides, Stockworks
R21	Silicified
R22	Large piece of Mn, purple block, Vuggy sulphides, very interesting piece
R23	Large piece of Mn, purple block; Vuggy sulphides
R24	Solid black rock, fine grained quartz and a few sulphides
R25	Blue sugary quartz, limonite, light green tinge
R27	Twisted limonite, some quartz
R28	Breccia
R29	Twisted limonite, some quartz
R30	Volcanic breccia or a flow (?)
R31	Hard rock, interesting stockwork with some siderite zones
R32	Strange quartz
R33	Pebbly breccia
R35	Good sulphides
R36	Altered dyke
R37	Breccia flow with limonite
R38	Sulphides in cracks

APPENDIX 4

Silt Geochemistry - Assay Results

Madrona Resources
(Peter Ross)

WO# 07952

Certified by

Sample #	Au ppb
RS - 1	36
RS - 2	5
RS - 3	<5
RS - 4	<5
RS - 5	5
RS - 6	11
RS - 7	7
RS - 8	7
RS - 9	9
RS - 10	<5
RS - 11	6
RS - 12	7

Note: Au is 30 gm FA/AAS.





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iPL 97J1033

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Vancouver, B C
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Northern Analytical Laboratories

12 Samples

Out: Oct 16, 1997 In: Oct 14, 1997

[103309:35:17:79101697]

Project : WO# 7952
Shipper : Norm Smith
Shipment: PO# 332340
Analysis:
ICP(AQR)30

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B311	12	Pulp	Received as it is, no sample prep.	12M/DIs	00M/DIs

NS=No Sample Rep=Replicate M=Month Dis=Discard

Analytical Summary

Comment:

Document Distribution

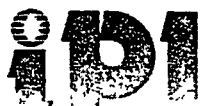
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Whitehorse DL 3D EM BT BL
YT Y1A 2Z7 0 0 0 0 0
Canada Ph: 403/668-4968
Att: Norm Smith Fx: 403/668-4890
Em: NAL@hypertech.yk.ca

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0721	ICP	ppm	Ag ICP	Silver	0.1	99.9
02	0711	ICP	ppm	Cu ICP	Copper	1	20000
03	0714	ICP	ppm	Pb ICP	Lead	2	20000
04	0730	ICP	ppm	Zn ICP	Zinc	1	20000
05	0703	ICP	ppm	As ICP	Arsenic	5	9999
06	0702	ICP	ppm	Sb ICP	Antimony	5	999
07	0732	ICP	ppm	Hg ICP	Mercury	3	9999
08	0717	ICP	ppm	Ho ICP	Molybdenum	1	999
09	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	999
10	0705	ICP	ppm	Bi ICP	Bismuth	2	9999
11	0707	ICP	ppm	Cd ICP	Cadmium	0.1	99.9
12	0710	ICP	ppm	Co ICP	Cobalt	1	9999
13	0718	ICP	ppm	Ni ICP	Nickel	1	9999
14	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	9999
15	0727	ICP	ppm	H ICP (Incomplete Digestion)	Tungsten	5	999
16	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	9999
17	0729	ICP	ppm	V ICP	Vanadium	2	9999
18	0716	ICP	ppm	Mn ICP	Manganese	1	9999
19	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	9999
20	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	9999
21	0731	ICP	ppm	Zr ICP	Zirconium	1	9999
22	0736	ICP	ppm	Sc ICP	Scandium	1	9999
23	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
24	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	9.99
25	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	9.99
26	0712	ICP	%	Fe ICP	Iron	0.01	9.99
27	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	9.99
28	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	9.99
29	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
30	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

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 Phone (604) 879-7878
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Client: Northern Analytical Laboratories
 Project: W0# 7952

12 Samples
 12=Pulp

[103309:35:17:79101697]

Out: Oct 16, 1997
 In: Oct 14, 1997

Page 1 of 1
 Section 1 of 1

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	B1 ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
RS - 1	P 0.2	28	17	67	44	<	<	2	<	<	0.6	9	75	573	<	110	59	213	11	11	1	3	0.07	1.32	0.14	2.14	0.97	0.21	0.02	0.05
RS - 2	P 0.4	32	13	73	27	<	<	2	<	<	0.7	12	52	603	<	69	61	462	14	15	<	3	0.05	1.37	0.18	2.33	0.71	0.15	0.02	0.06
RS - 3	P 0.4	35	12	73	20	<	<	2	<	<	0.6	10	64	564	<	91	58	329	13	13	<	3	0.07	1.34	0.16	2.24	0.85	0.19	0.02	0.05
RS - 4	P 0.3	32	10	78	14	<	<	2	<	<	0.6	9	37	308	<	43	48	270	13	14	1	3	0.06	1.09	0.22	2.10	0.57	0.13	0.02	0.06
RS - 5	P 0.3	30	9	96	13	<	<	2	<	<	0.7	15	38	357	<	31	41	1223	17	19	<	3	0.04	1.20	0.29	2.32	0.50	0.13	0.02	0.06
RS - 6	P 0.6	52	17	104	9	<	<	3	<	<	0.8	11	29	348	<	26	46	791	17	15	<	3	0.04	1.33	0.15	2.69	0.47	0.18	0.02	0.07
RS - 7	P 0.6	39	14	109	6	<	<	2	<	<	0.6	10	28	330	<	24	39	444	16	18	<	2	0.04	1.29	0.25	2.36	0.42	0.14	0.02	0.07
RS - 8	P 0.4	30	13	103	8	<	<	2	<	<	1.1	23	40	390	<	25	39	1819	16	18	<	2	0.04	1.18	0.28	2.37	0.44	0.11	0.02	0.07
RS - 9	P 0.2	23	10	73	8	<	<	1	<	<	0.3	10	32	292	<	34	38	453	14	15	1	2	0.05	0.95	0.22	1.85	0.48	0.12	0.02	0.05
RS - 10	P 0.1	21	9	69	8	<	<	1	<	<	0.1	9	29	263	<	30	36	331	13	14	<	2	0.05	0.92	0.22	1.75	0.48	0.12	0.02	0.05
RS - 11	P 0.2	21	8	69	7	<	<	1	<	<	0.2	9	29	264	<	30	36	340	13	15	1	2	0.04	0.94	0.24	1.78	0.48	0.11	0.02	0.06
RS - 12	P 0.2	26	10	82	8	<	<	1	<	<	0.6	11	33	309	<	38	45	486	14	21	1	3	0.05	1.17	0.35	2.10	0.59	0.12	0.02	0.06

Min Limit 0.1 1 2 1 5 5 3 1 10 2 0.1 1 1 2 5 1 2 1 2 1 1 1 1 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01
 Max Reported* 99.9 20000 20000 20000 9999 999 9999 999 999 9999 99.9 9999 9999 9999 999 9999 9999 9999 9999 9999 9999 9999 9999 1.00 9.99 9.99 9.99 9.99 9.99 5.00 5.00
 Method ICP
 ---=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample P=Pulp

PETER ROSS

YMIIP
97 - 013

Peter Ross

BOX 4842

WHITEHORSE

YUKON TERRITORY

CANADA Y1A 4N8

15

JUNE 97

Left White Rose. No posts.

Saw about 10 30's + 40's trucks
(pickups) in a convoy.

A long, firing drive. Got
to Watson Lake at about 9⁰⁰pm.

188,780

16

JUNE 97₂

Can't get posts until Tuesday
morning. Saw mining recorder.
No split charters. Bad weather.

17

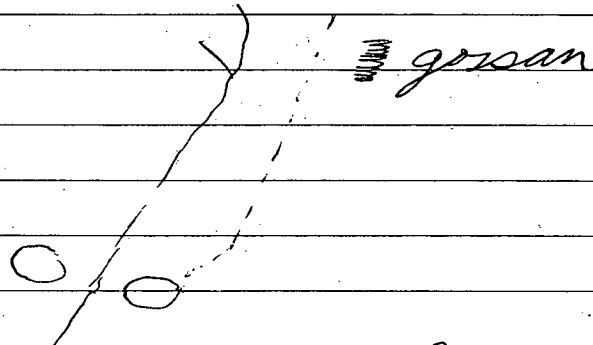
JUNE 97

Bad weather - did not go in

18

JUNE

Went in. A long ride. The
2 knobs south of here look
interesting.



Tree line here is quite high.

Flat area is boggy on top. Exposure
can be seen. Stream clear + high
- saw a shrew in the water. Not
glaciated here?? No big round
rocks.

2 trip - brought in posts +
dropped them. Some tape in
stream - ?? - got glacial samples??

19

JUNE 97

Rain 12-2, 4 or 5 to night

Did not go out.

Stream too high for SILTS.

20/JUNE/97

- W1 quartz / sulphides
W2 Background
W3 Blue quartz
W4 quartz - lots of limonite
W5 Heavy black volcanic rock ?
with sulphides ?
W6 grab bag
W7 quartz
W8 lot of sulphides
W9 sulphides + slickensides
W10 volcanic / breccia ?
W11 lot of STRANGE sulphides
W12 limonite - volcanic breccia ??
W13 Background / sulphides
W14 orange quartz + sulphide areas
W15 limonitic ~~rock~~ VOLCANIC ROCK ?

Blue Rock - quartz
- some volcanic chips?
- or jasper
- what gives it blue colour?

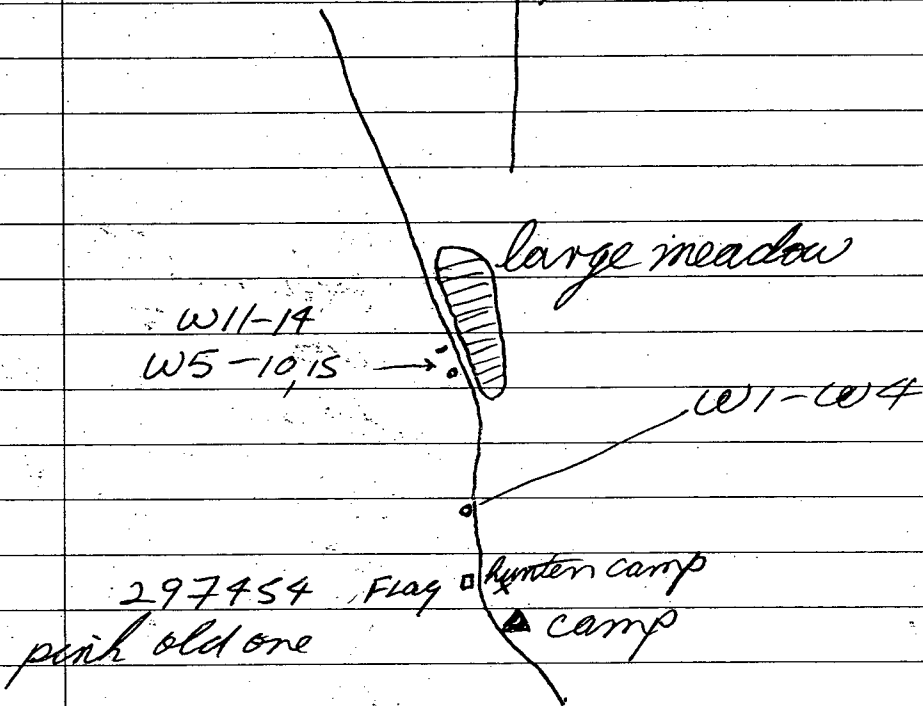
20

JUNE 97

Rain, on + off all day.

Went out.

Miserable day.
NORTH

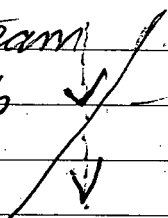


Feel W11

W14 are very interesting
W5

21 JUNE 197

claim line
cross stream
at 85 yards



25' 

21


JUNE 97

NO. 1	NO. 1
VIVI	VIVI
(2)	(1)
W	W
1500'R	1500'L
0'L	0'R
21	21
JUNE	JUNE
1997	1997
JP	JP
ROSS	ROSS

1:30 PM

photos taken

Many areas very wet

307° 

ROSS	ROSS
JP	JP
JUNE 1997	JUNE 1997
16	16
(2)	(1)
VIVI	VIVI
NO. 2	NO. 2

Saw an old post about 500 up stream

6:45 PM

No tag very narrow old, no markings

NO. 1	NO. 1
VIVI	VIVI
(4)	(3)
W	W
1500'R	1500'L
0'L	0'R
21	21
JUNE	JUNE
1997	1997
JP	JP
ROSS	ROSS

307°



485 yards to #2

25'

21

JUNE 97

NO. 1	NO. 1
VIVI	VIVI
(2)	(1)
W	W
1500'R	1500'L
0'L	0'R
21	21
JUNE	JUNE
1997	1997
JP	JP
ROSS	ROSS

1:30 PM

photos taken

Many areas very wet

307°

Saw an old post about 500 up stream
No tag
very narrow old, no markings

6:45 AM

ROSS	ROSS
JP	JP
1997	1997
JUNE	JUNE
16	16
(2)	(1)
VIVI	VIVI
NO. 2	NO. 2

NO. 1	NO. 1
VIVI	VIVI
(4)	(3)
W	W
1500'R	1500'L
0'L	0'R
21	21
JUNE	JUNE
1997	1997
JP	JP
ROSS	ROSS

307°

485 yards to #2

22 JUNE 197.

W16 - 300'

NORTH of TENT on TRAIL

~~*~~ - yellow/red tape

- complex rock

many sulphides, limonite

W17 - at 3/4/5/6 posts

- where getting rocks / cavern

- green quartz / sulphides

22
 JUNE 97

ROSS	ROSS
JP	JP
1997	1997
JUNE	JUNE
22	22
④	③
VIVI	VIVI
NO.2	NO.2
NO.1	NO.1
VIVI	VIVI
⑥	⑤
W	W
1500'R	1500'L
0'L	0'R
22	22
JUNE	JUNE
1997	1997
JP	JP
ROSS	ROSS

POSTS DROPPED
 25-30 yards
 to left
 2³⁰ PM but some distance

yd 485
 ↓
 307°

ROSS	ROSS
JP	JP
1997	1997
JUNE	JUNE
22	22
⑨	⑤
VIVI	VIVI
NO.2	NO.2
NO.1	NO.1
VIVI	VIVI
⑧	⑦
W	W
1500'R	1500'L
0'L	0'R
22	22
JUNE	JUNE
1997	1997
JP	JP
ROSS	ROSS

5⁰⁰ PM

POSTS ALSO
 SAME DIST
 +25-30
 yards
 to left

23/JUNE/197

Rained at about

3³⁰am to 4³⁰am or so

23
JUNE 97

ROSS	ROSS
JP	JP
1997	1997
JUNE	JUNE
23	23
(8)	(7)
VIVI	VIVI
NO.2	NO.2

photos taken
W

Very firing Day!

NO.1	NO.1
VIVI	VIVI
(10)	(9)
W	W
1500'R	1500'L
0'L	0'R
23	23
JUNE	JUNE
1997	1997
JP	JP
ROSS	ROSS

4:00 PM

Left at 12¹⁵
back at 9³⁰

lot of rain
- some missed me
- some did not

485 YD

307°

Damp + miserable

ROSS	ROSS
JP	JP
1997	1997
JUNE	JUNE
23	23
(10)	(9)
VIVI	VIVI
NO.2	NO.2

Thunder forms
7³⁰ PM erratic

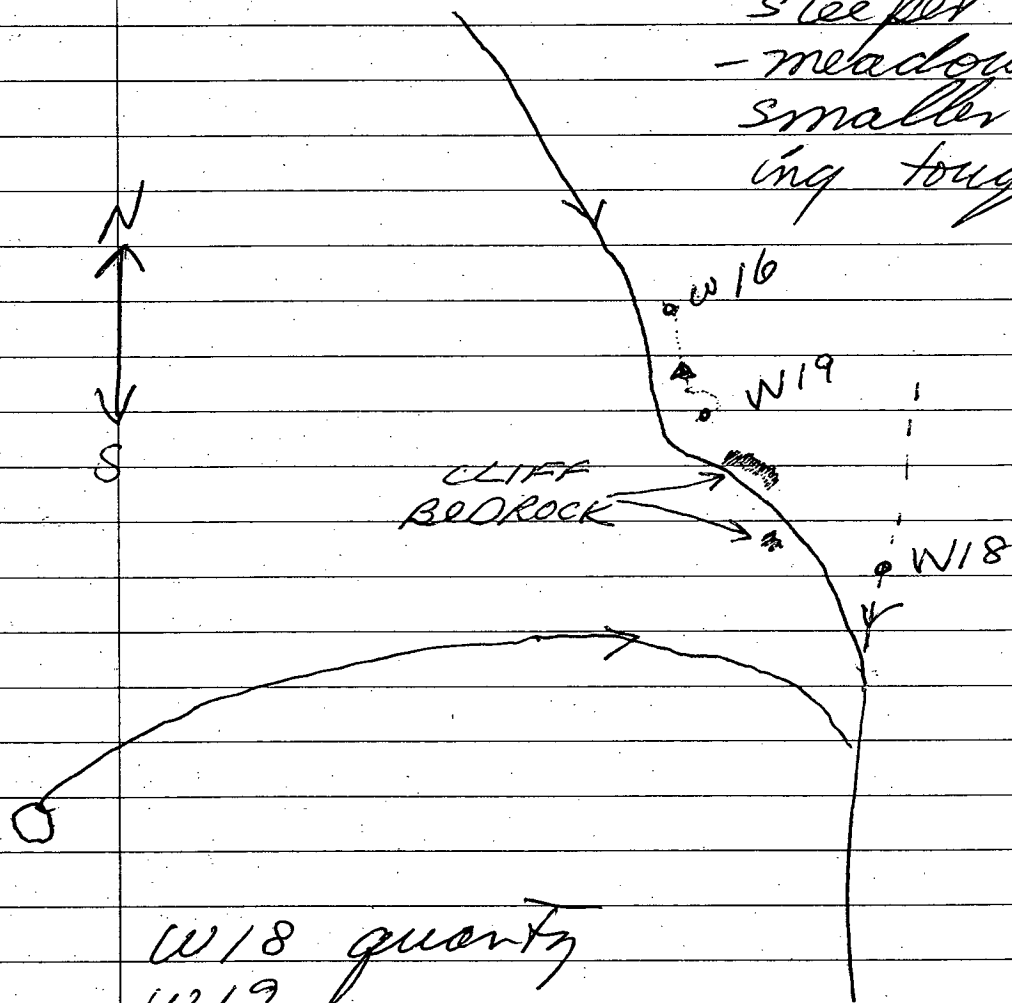
W around #2/9/10
very sloppy ground

24

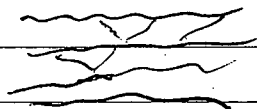
JUNE 97

Sporadic
showers in morn-
ing.

Below tent
stream gets
steeper
- meadows
smaller + walk
ing tough.



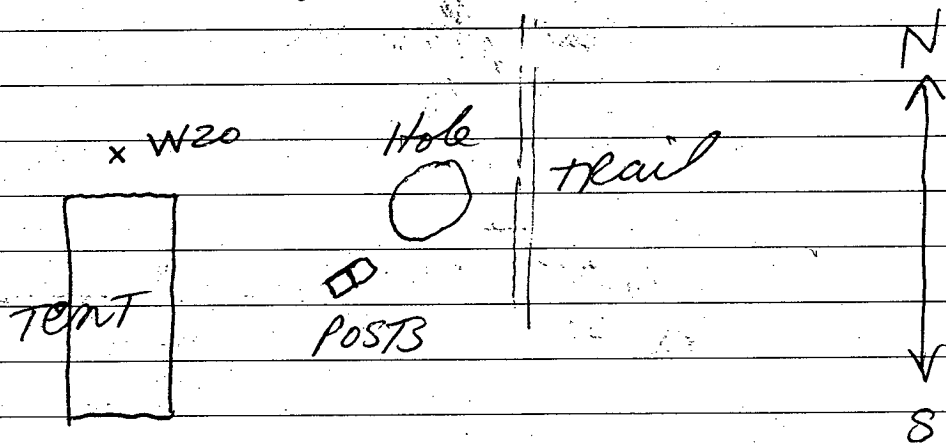
W18 quartz
W19



25

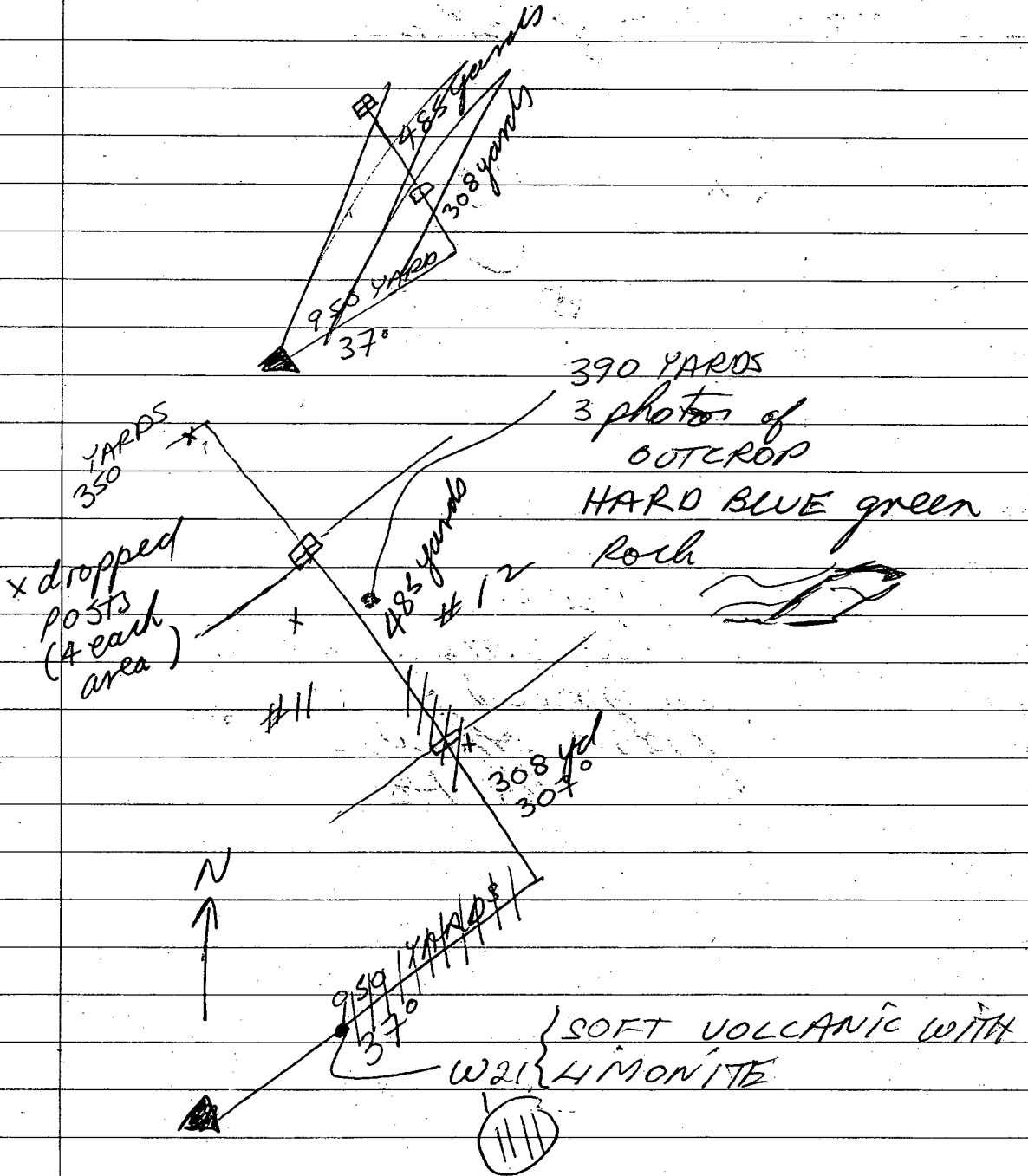
JUNE 97

Took a day off. 1-1st heavy
rain. Lot of clouds.



W20 - small
- blue gray quartz
- on grass
- from off W16?
or Hole?

26/JUNE/97



26
JUNE 97

NO.1	NO.1
VIVI	VIVI
(12)	(11)
W	W
1500'R	1500'L
0'L	0'R
26	26
JUNE	JUNE
1997	1997
JP	JP
ROSS	ROSS

3²⁰PM

VU

485 YARD

307°

ROSS	ROSS
JP	JP
1997	1997
JUNE	JUNE
26	26
(12)	(11)
VIVI	VIVI
NO.2	NO.2
NO.1	NO.1
VIVI	VIVI
(14)	(13)
W	W
1500'R	1500'L
0'L	0'R
26	26
JUNE	JUNE
1997	1997
JP	JP
ROSS	ROSS

26

6³⁰PM

photos taken

VU

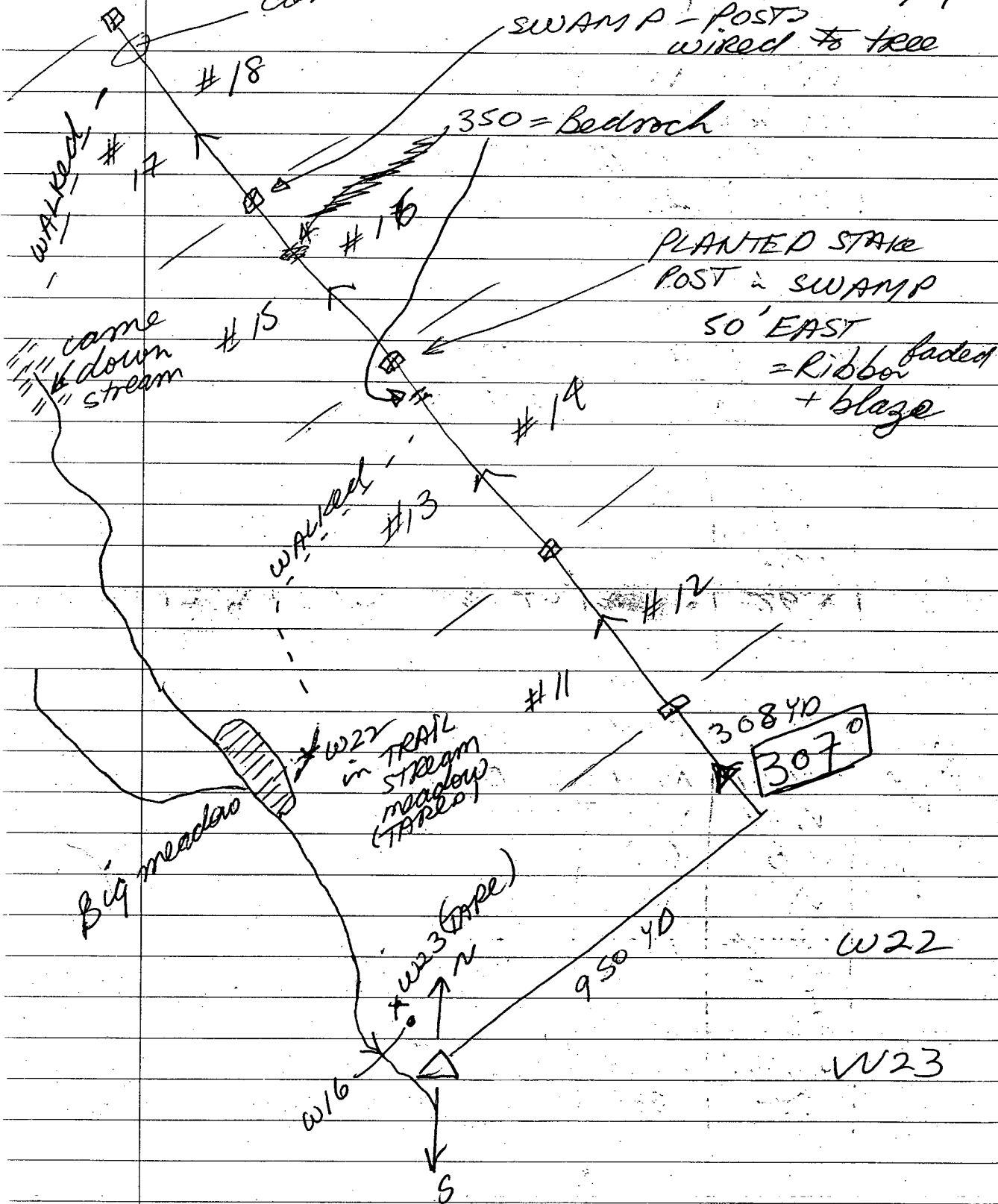
can land here in meadow 27/JUNE 97

SWAMP - posts
wired to tree

350 = Bedrock

PLANTED STAKE
POST in SWAMP

50' EAST
= Ribbon faded
+ blaze



485
YD
307°

ROSS	ROSS
JP	JP
1997	1997
JUNE	JUNE
27	27
(14)	(13)
VIV	VIV
NO.2	NO.2

27
JUNE 97

*PILOT/mechanic

photos came by
8-830

very foggy

to check me
out!!

4¹⁵
PM

NO.1	NO.1
VIV	VIV
(16)	(15)
W	W
1500'R	1500'L
0'L	0'R
27	27
JUNE	JUNE
1997	1997
JP	JP
ROSS	ROSS

ON WAY TO
KUDZEKAYA

48540

307°

ROSS	ROSS
JP	JP
1997	1997
JUNE	JUNE
27	27
(16)	(15)
VIV	VIV
NO.2	NO.2

307°
48540

8⁵⁰
PM

NO.1	NO.1
VIV	VIV
(18)	(17)
W	W
1500'R	1500'L
0'L	0'R
27	27
JUNE	JUNE
1997	1997
JP	JP
ROSS	ROSS

ROSS	ROSS
JP	JP
1997	1997
JUNE	JUNE
27	27
(18)	(17)
VIV	VIV
NO.2	NO.2

white quartz
limonite+?
nice rock
reddish
tinge??

6¹⁵
PM

28

JUNE 97

On-off rain all day.

At nite heavy rain during my
meal. Did not go out.

29

JUNE 97

On-off rain + sunlight.

3 heavy rain periods. Did not

go out.

30

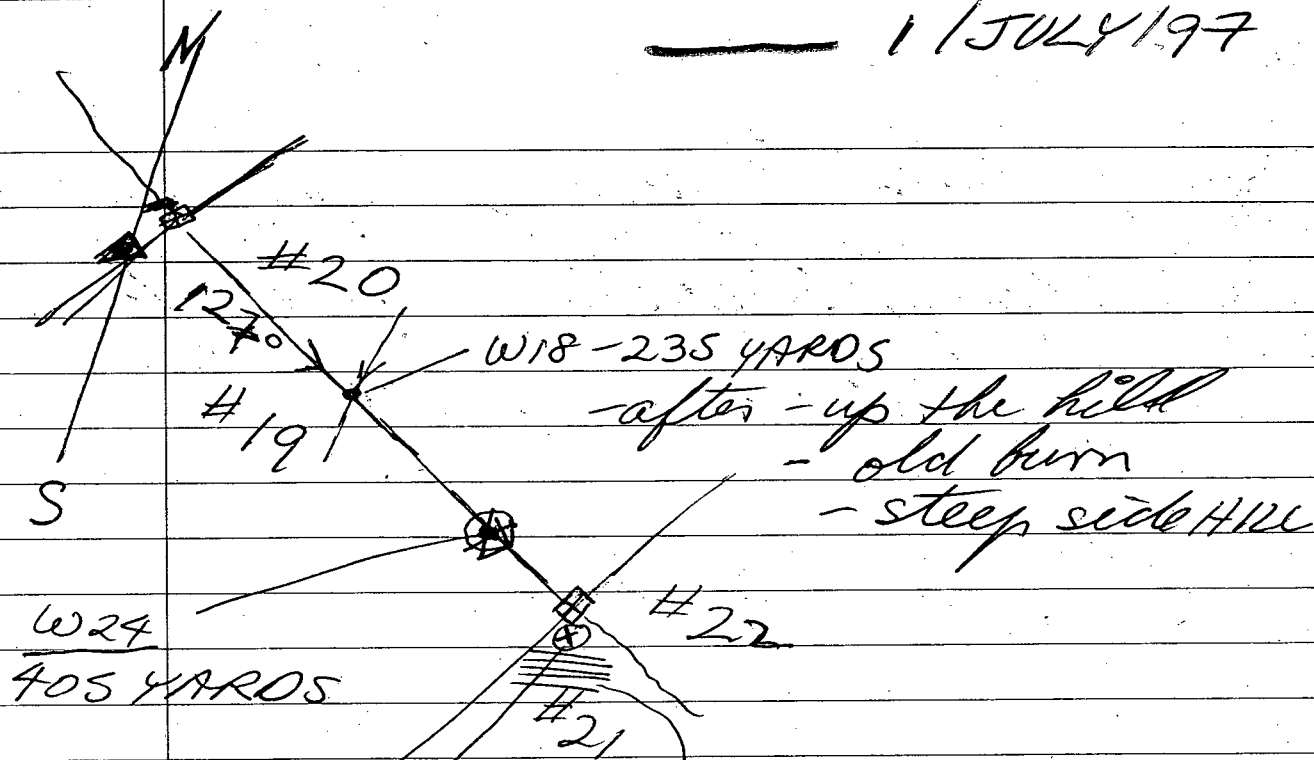
JUNE 97

Rain in morning. Foggy rest

of day. Should have gone out for $\frac{1}{2}$

day but did not go out.

1 JULY 1977



W24
405 YARDS

W25
= pit / mound

ORANGE brown
weathered
volcanic rock
(took some
photos of it)

posts 19/20/21/22

* on top of
Hill

W24 - volcanic rock
- blue black
W25 - quartz zones??

NO.1	NO.1
VIVI	VIVI
(19)	(20)
E	E
1500'R	1500'L
0'L	0'R
1	1
JULY	JULY
1997	1997
JP	JP
ROSS	ROSS

1
— JULY 97

✓
✓
11⁰⁰am

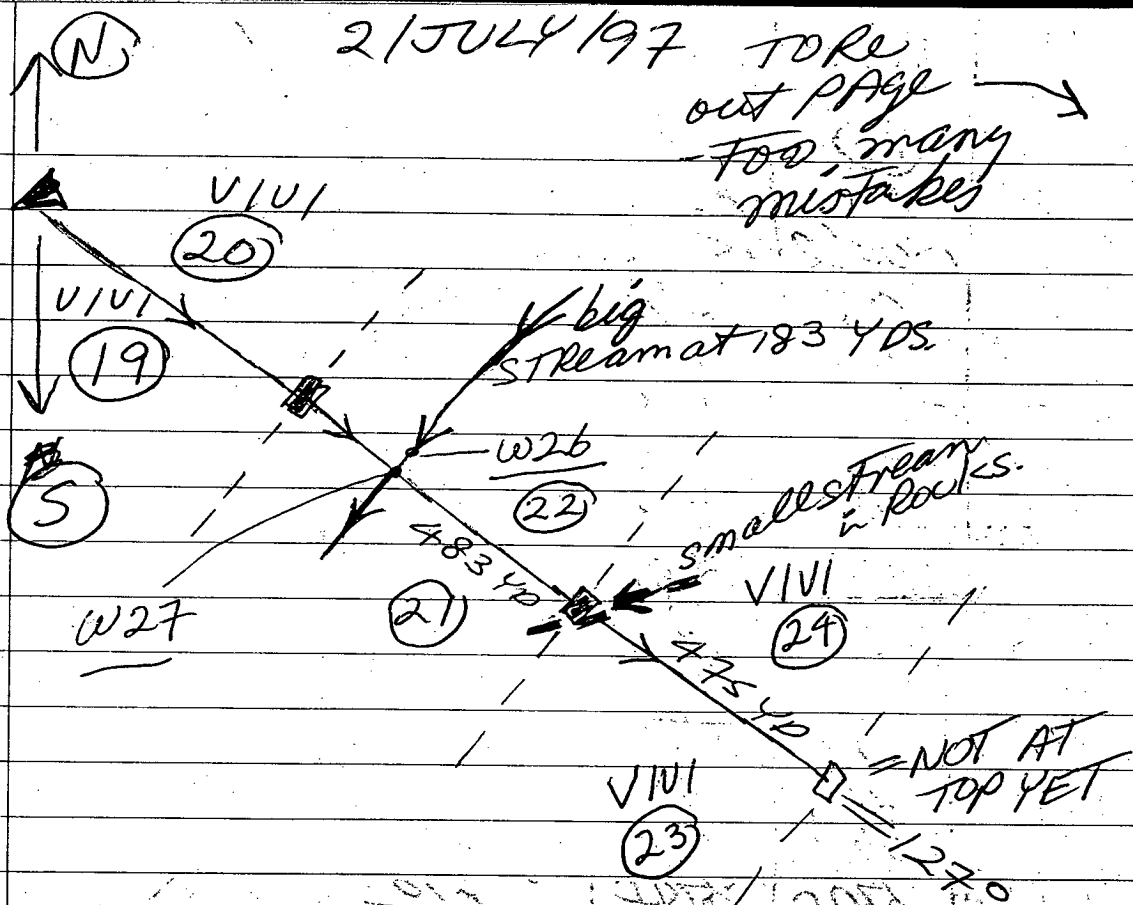
1270
48040

ROSS	ROSS
JP	JP
1997	1997
1700	1700
1	1
(20)	(21)
VIVI	VIVI
NO.2	NO.2

✓
6¹⁰PM

NO.1	NO.1
VIVI	VIVI
(21)	(22)
E	E
1500'R	1500'L
0'L	0'R
1	1
JULY	JULY
1997	1997
JP	JP
ROSS	ROSS

✓



W26 75-100' up stream (flag)
many sulfides - black brown beige
W27 at stream where (flag #)
claim line crosses, fewer sulfides

left at 10⁴⁵ - back at 10³⁰ PM
got wet / but thanks for
Rain gear - OK

2

JULY 97

ROSS	ROSS
JP	JP
1997	1997
JULY	JULY
2	2
(21)	(22)
VIV	VIV
NO.2	NO.2
NO.1	NO.1
VIV	VIV
(23)	(24)
E	E
1500'R	1500'L
0'L	0'R
2	2
JULY	JULY
1997	1997
JP	JP
ROSS	ROSS

N

5²⁵ PM

N

2300'

475 yards

127°

ROSS	ROSS
JP	JP
1997	1997
JULY	JULY
2	2
(23)	(24)
VIV	VIV
NO.2	NO.2

✓ 45
 ✓ 8
 N

3

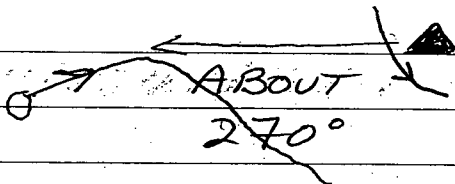
JULY 97

Last night exhausted me.

10³⁰ AM - 11⁰⁰ PM. Thunderstorms on and off. Did not go out.

58.

mt
▲ 6483



Heavy rain at
about 6⁰⁰ PM

4

JULY 97

Almost ready to go up top. Looks
bad. Then 12-12³⁰ drizzle. Almost
ready to prospect on lower elevations
- then lot of rain.

Did not go out.

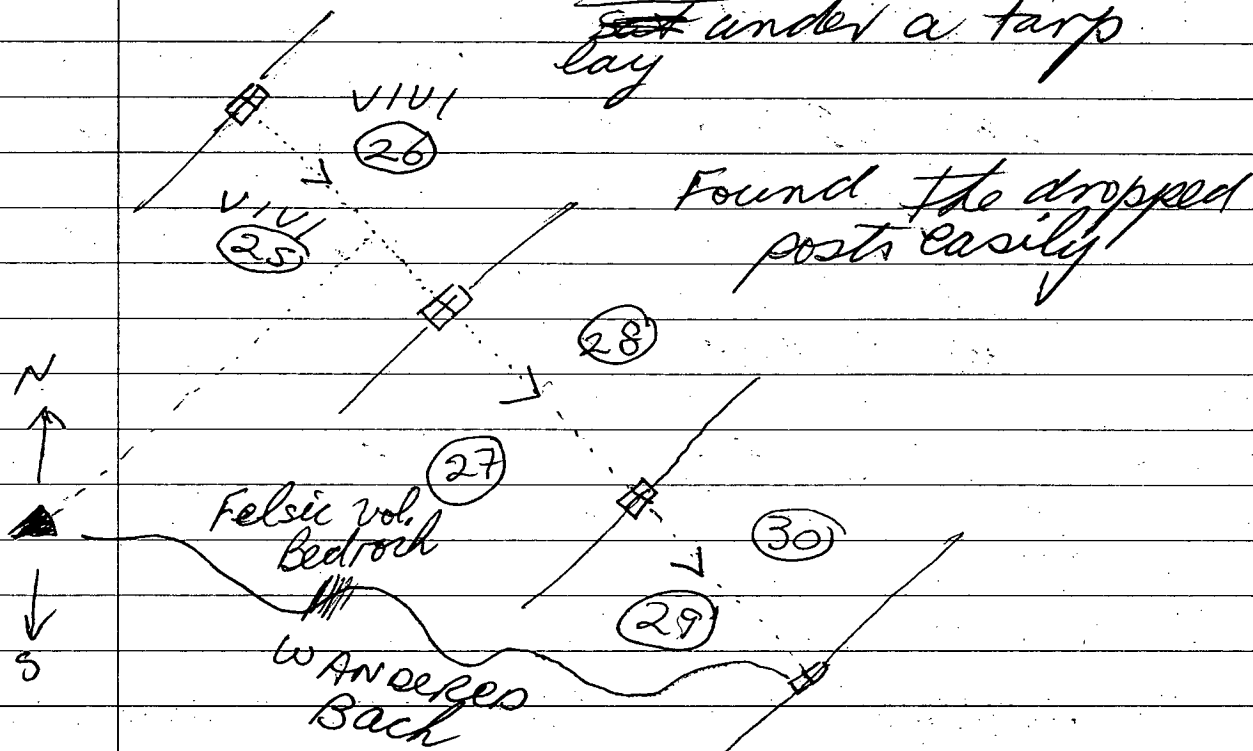
I wonder why Hard rock claims
below in valley are called JASPER.

JASPER is associated with
CARLIN TYPE GOLD DEPOSITS.

5 JULY 1977

3-3³⁰ PM Rain

~~set~~ under a tarp
day



Lot of bush

- had to walk to mt top.
- towards camp.

Along line - no bedrock seen
anywhere

- lot of wet areas 29/30
line

5
JULY 97

NO.1 VIVI (26) E 1500'L O'R 5 JULY 1997 JP ROSS	NO.1 VIVI (25) E 1500'R O'L 5 JULY 1997 JP ROSS
---	---

W
11¹⁵ am

ROSS JP t661 t77E 5 (27) VIVI NO.2 NO.1 VIVI (29) E 1500'R O'L 5 JULY 1997 JP ROSS	ROSS JP t661 t77E 5 (80) VIVI NO.2 NO.1 VIVI (30) E 1500'L O'R 5 JULY 1997 JP ROSS
--	--

W
5¹⁰ PM

48 yard

ROSS JP t661 t77E 5 (26) VIVI NO.2 NO.1 VIVI (27) E 1500'R O'L 5 JULY 1997 JP ROSS	ROSS JP t661 t77E 5 (28) VIVI NO.2 NO.1 VIVI (28) E 1500'L O'R 5 JULY 1997 JP ROSS
--	--

W
2⁰⁰ PM

48 yard

ROSS JP t661 t77E 5 (29) VIVI NO.2 NO.2 VIVI (30)	ROSS JP t661 t77E 5 (30) VIVI NO.2 NO.2 VIVI (30)
---	---

W
7⁰⁰ PM
no mound
of rocks

48 yard
etc

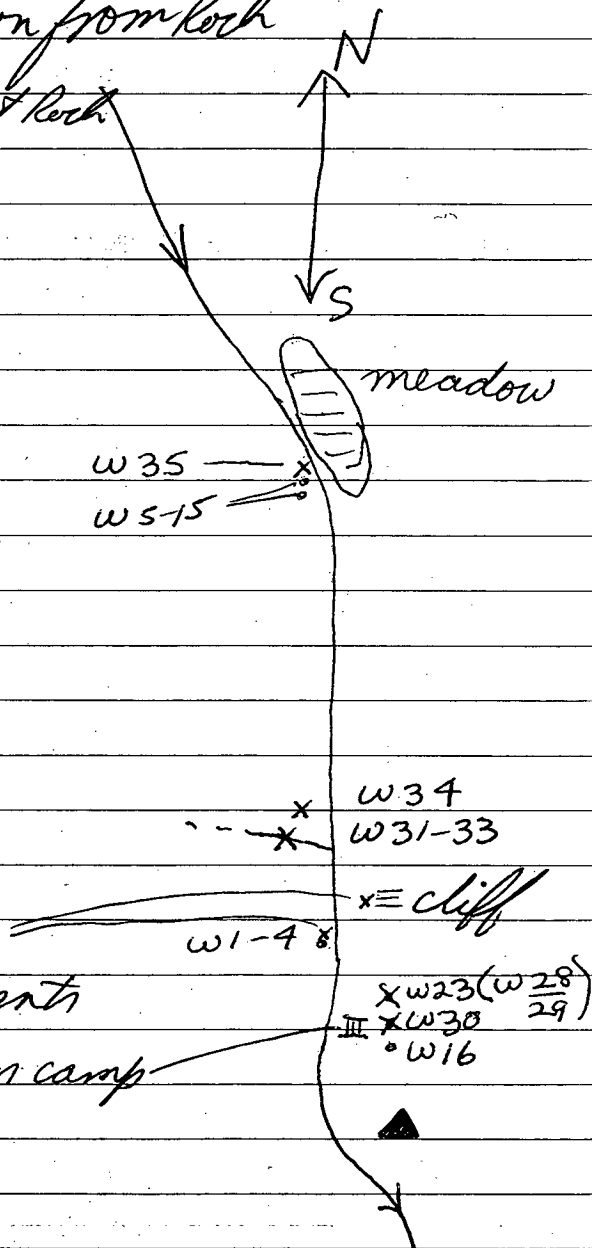
6

JULY 97

- W28 stained quartz
+ wuggy holes
- W29 white quartz + sulfides
- W30 small chips \approx W16
- W31 blue quartz - 10' down from rock
soft & sulfides
- W32 white qt + sulfides ^{at rock}
- W33 10' up from rock
wh-orange qt
limonite + galena
in 1/5 of rock (test)
- W34 large angular
soft - interesting
sulfides, qt, ???
- W35 large angular qt
boulder, wuggy
holes + limonite

saw
2 small
sulphide
vein fragments

old Hunter camp



7

JULY 97

Bad day. Radio to base
and went out.

Placer creek has road (cat)
road up it.

8

JULY 97

In Watson Lake. Recorded

1-30 UIVU claims.

The placer + hard rock
claims are for JADE. Access
is in August by ARGOS 1 or 2 /
horses?!?! According to mine
recorder Staff.

190, 490 WH

188, 780

1, 7 10 Km WH - WL - WH

9
JULY 97

Spent 3 hours cutting
up rocks for study.

16
JULY 97

Left Whitehorse

190,705 km

17

JULY 97

In DAWSON CITY. SOME

RAIN.

18

JULY 97

At site. Lot of rain.

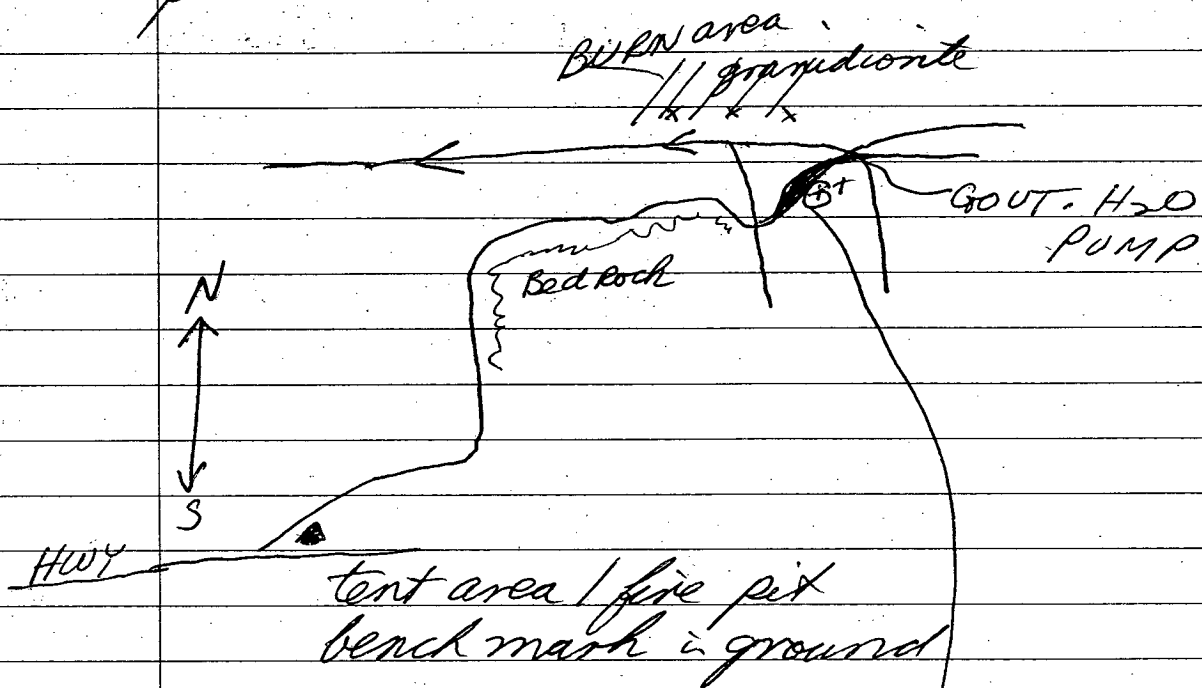
Roads + bush water, logged - did

not go out.

19

JULY 97

Walked along old road. Some
places on bedrock



Morning cloudy but
no rain

Drizzle at night when
coming back

R1 - sulfides
R2 - ???

20

JULY 1997

Heavy rain in morning -

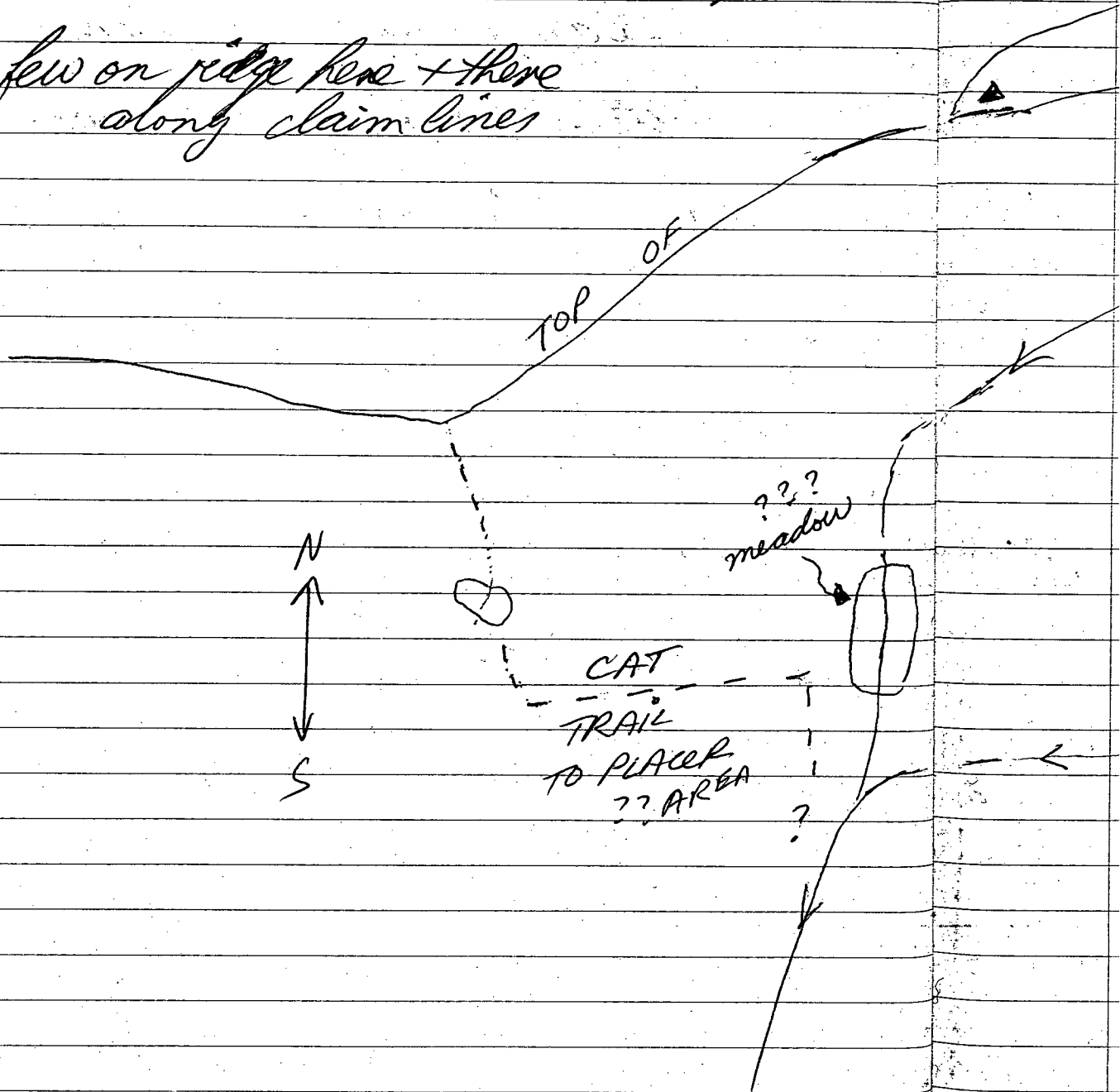
Scattered showers over rest of

day. Did not go out.

21 JULY 1977

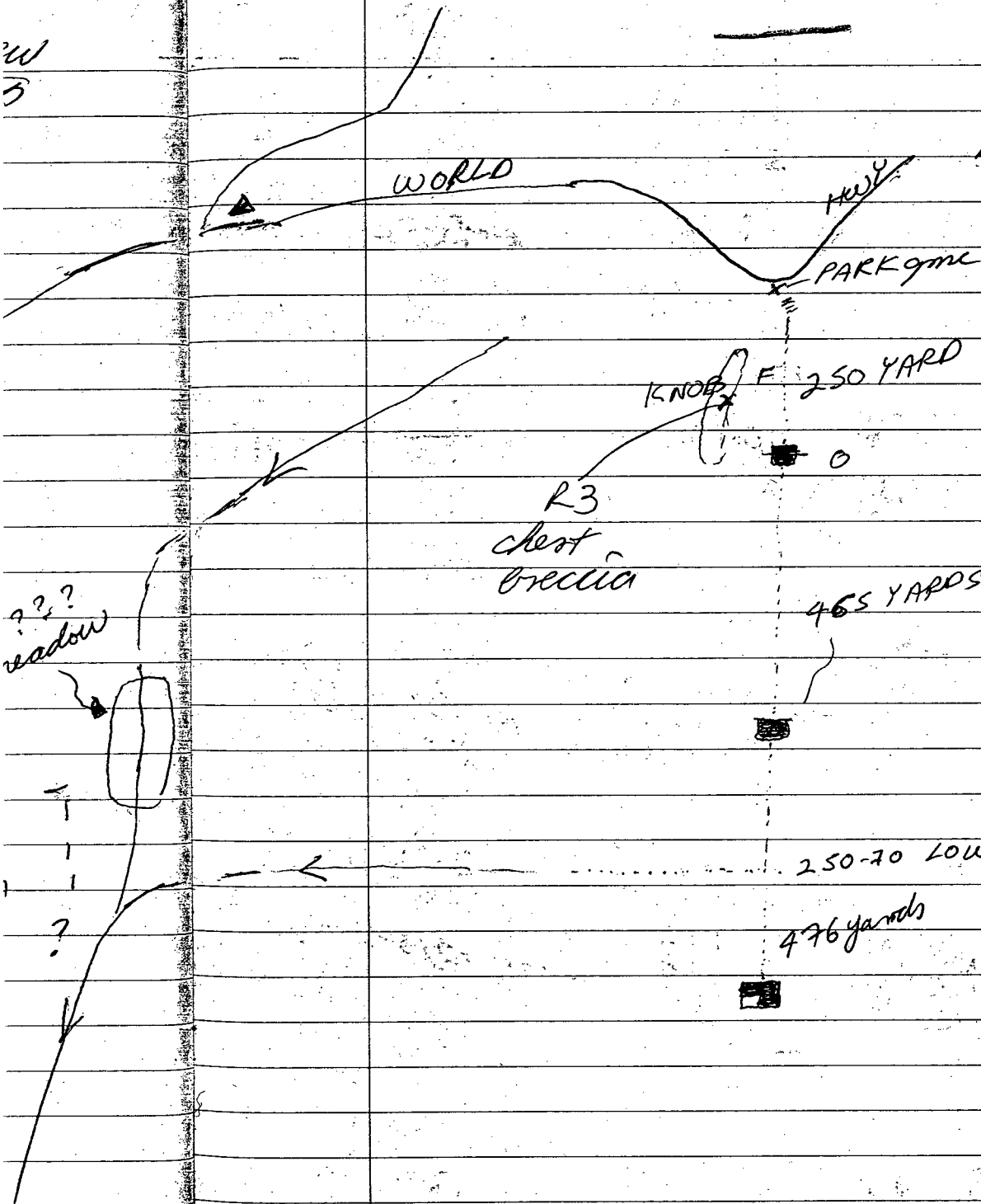
F = flag - 2x2" wood, - nail/screw
+ 3 lathes ?? on top

= few on ridge here + there
along claim lines



21
JULY 97

Rain at noon
+ when I
came back



W
B

???
meadow

?

WORLD

PARK

PARK

KNOB

250 YARD

R3

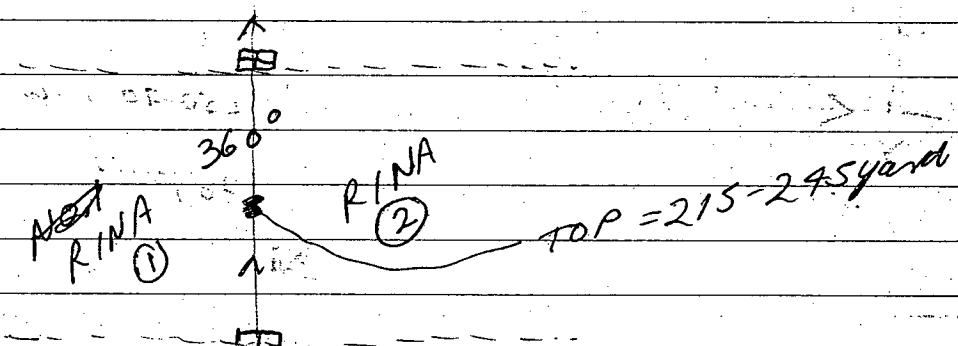
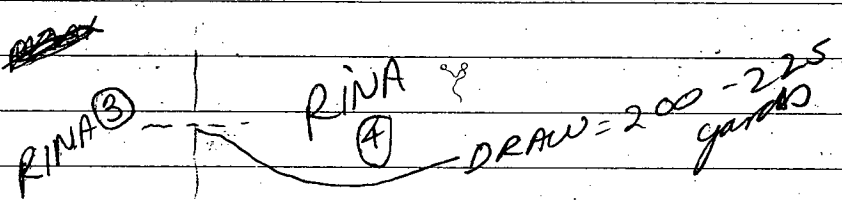
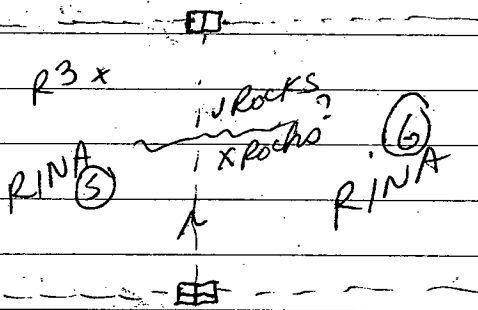
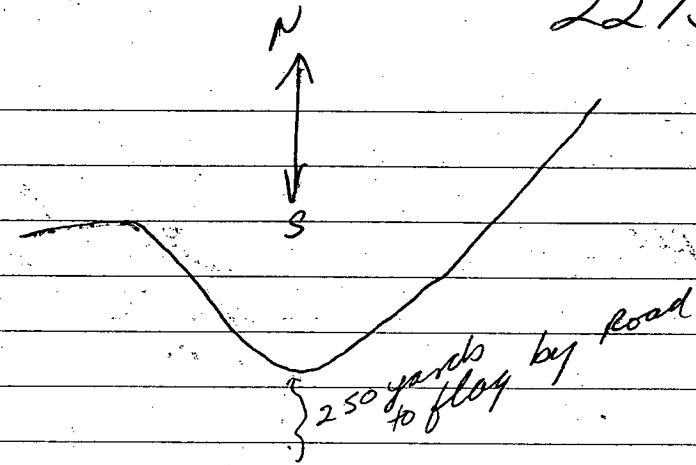
chest
breccia

465 YARDS

250-70 LOW MUSHY
SADDLE

476 yards

22 JULY 197



good trees
waste to
carry 2
paths here

NO.1 RINA ② N 1500'R 0'L 22 JULY 1997 JP ROSS	NO.1 RINA ① N 1500'L 0'R 22 JULY 1997 JP ROSS
---	---

uv photos

22
JULY 97

15
4 PM error
had to go back
add ① ②

(up to Free)

360°

485 yards
top = 215-245

ROSS JP 1997 JULY 22 ② RINA NO.2	ROSS JP 1997 JULY 22 ① RINA NO.2
NO.1 RINA ④ N 1500'R 0'L 22 JULY 1997 JP ROSS	NO.1 RINA ③ N 1500'L 0'R 22 JULY 1997 JP ROSS

WD 9
5 PM

ROSS JP 1997 JULY 22 ④ RINA NO.2	ROSS JP 1997 JULY 22 ③ RINA NO.2
NO.1 RINA ⑥ N 1500'R 0'L 22 JULY 1997 JP ROSS	NO.1 RINA ⑤ N 1500'L 0'R 22 JULY 1997 JP ROSS

(up to Free)
WD 7
20 PM

465 yards

WD 8
10 PM

ROSS JP 1997 JULY 22 ⑥ RINA NO.2	ROSS JP 1997 JULY 22 ⑤ RINA NO.2
---	---

yards
(up to Free)

23

JULY 97

Did not go out.

Yesterday AM - clear → haze
at night. Today rain all day
- maybe 2-3 inches - most I have
seen in a long time. * I am glad
I am in my truck + not a tent.
Puddles are everywhere. This
rain will wash out some roads I
am sure!

24

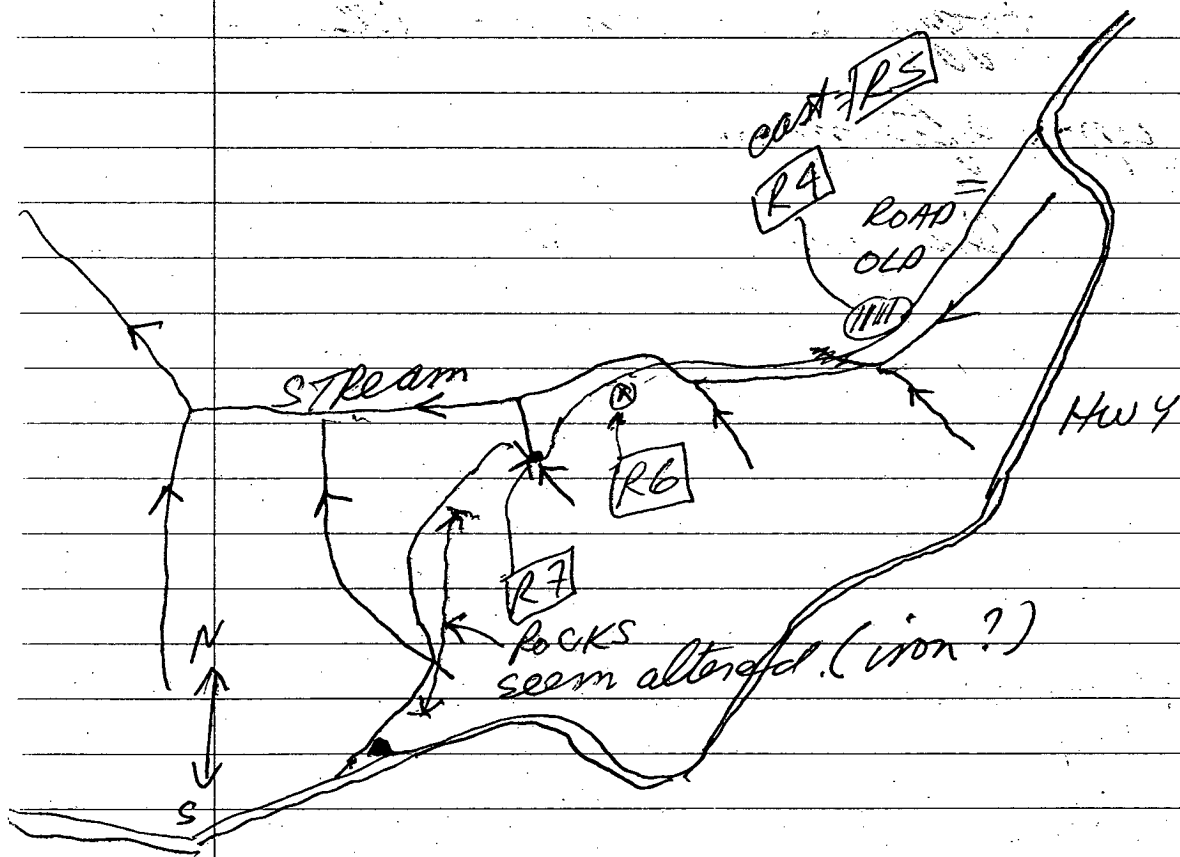
JULY 97

Foggy in morning. Cleared

up in afternoon.

Did not go out.

25/JULY/1977



dash granodiorite dyke R 4
- grab bag

granite to east white R 5

R 6 granite.

R 7 ?? quartz + sulphides

25

JULY 97

Foggy + little rain in morning

Went out in PM.

New (used camera) camera broke

so wasted 1-1/2 hours try to fix it.

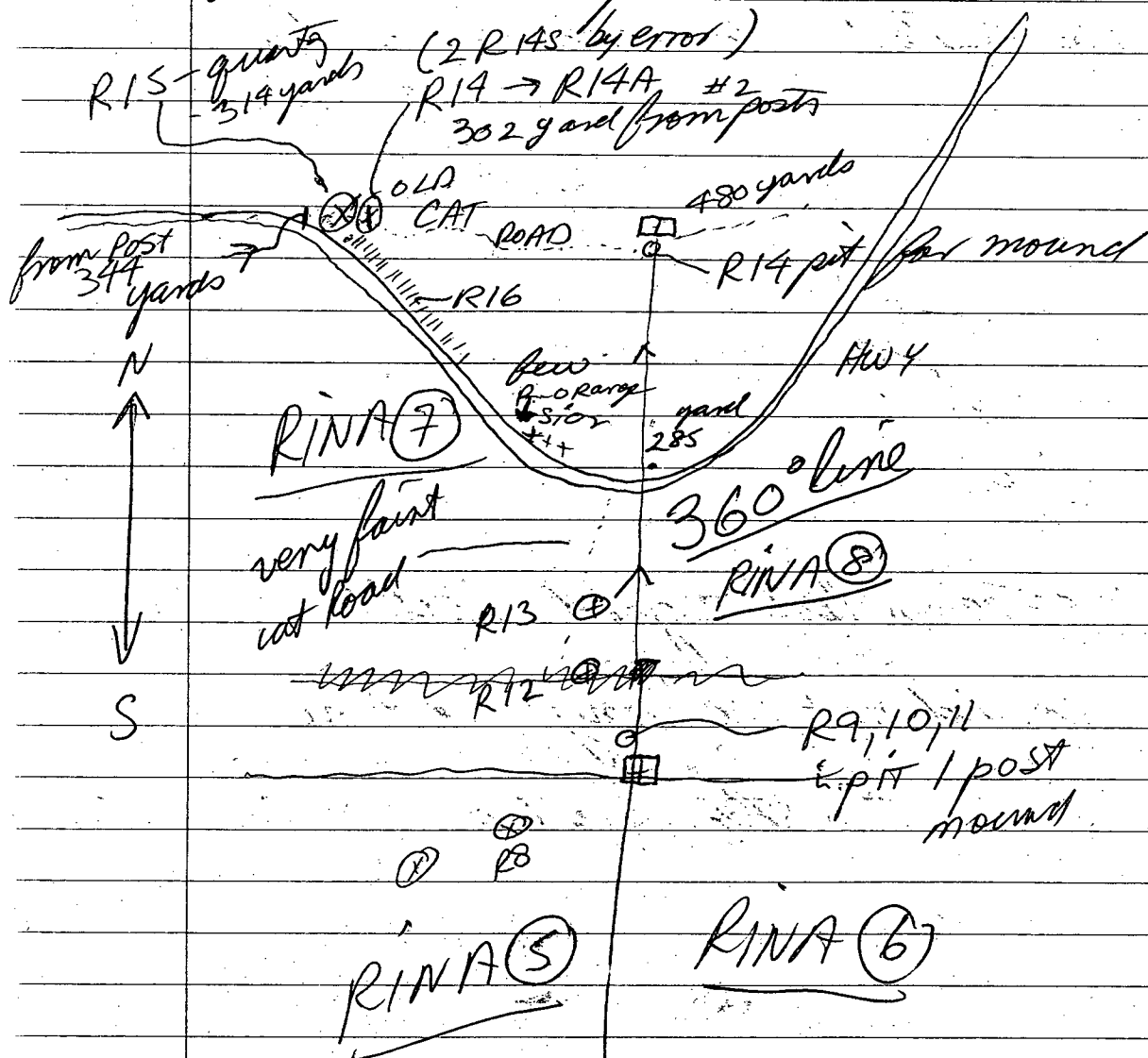
Streams look good / silts

could not see any evidence of

Mo showing (or work on it)

26 JULY 1977

- R8 Breccia / flow ? SiO_2 + sulphides
- R9 blue quartz + sulphides ?
- R10 SiO_2 + layers + sulphides
- R11 blue SiO_2 - + sulphides
- R12 breccia or flow
- R13 " ? ?
- R14 black rock / sulphides



(9) RINA NO. 2	(5) RINA NO. 2
NO. 1 RINA	NO. 1 RINA
(8) N 1500'R 0'L 26 JULY 1997 JP ROSS	(7) N 1500'L 0'R 26 JULY 1997 JP ROSS

26
JULY 97

W

45
3 PM

R15 - ? altered
- limestone
R16 - black bed
rock in ditch

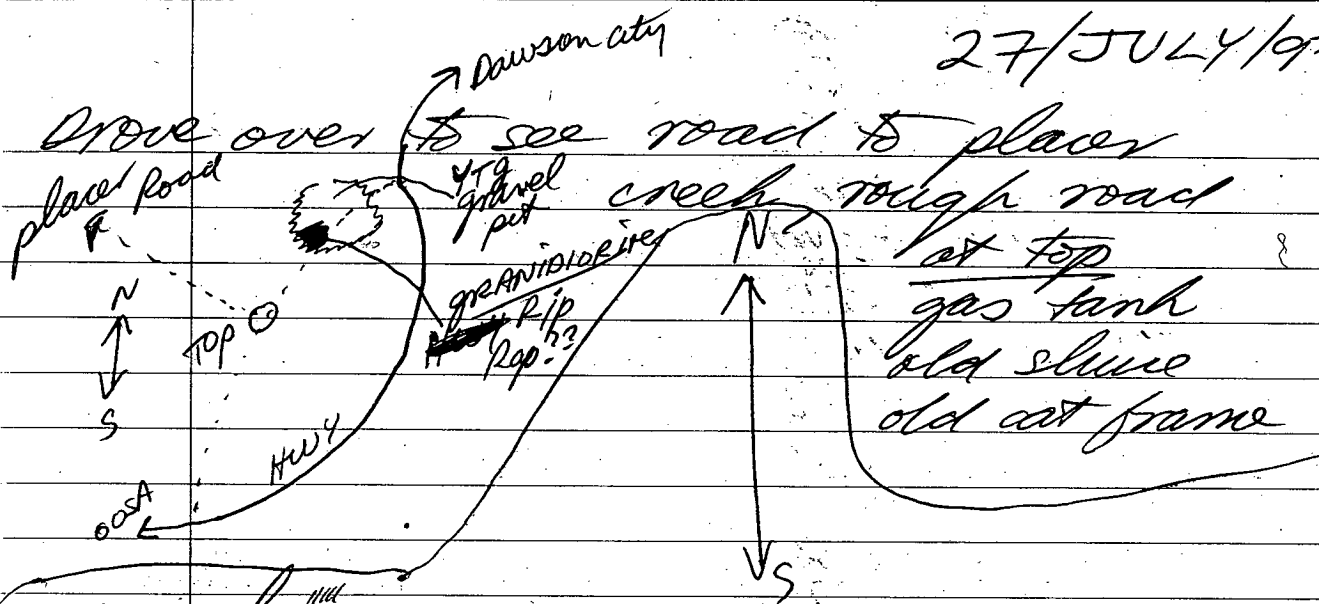
480 yard ↓ 360°

ROSS JP 1997 JULY 26 (8) RINA NO. 2	ROSS JP 1997 JULY 26 (7) RINA RINA NO. 2
--	---

walked back
in ditch
on HWY

45
6 PM

27/JULY/97

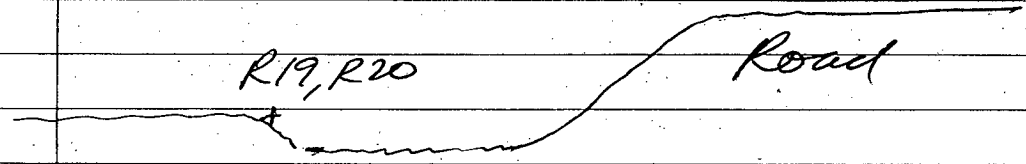


* Bedrock
seems same
at A + B

Bedrock in road

cut road
to upper
california
creek

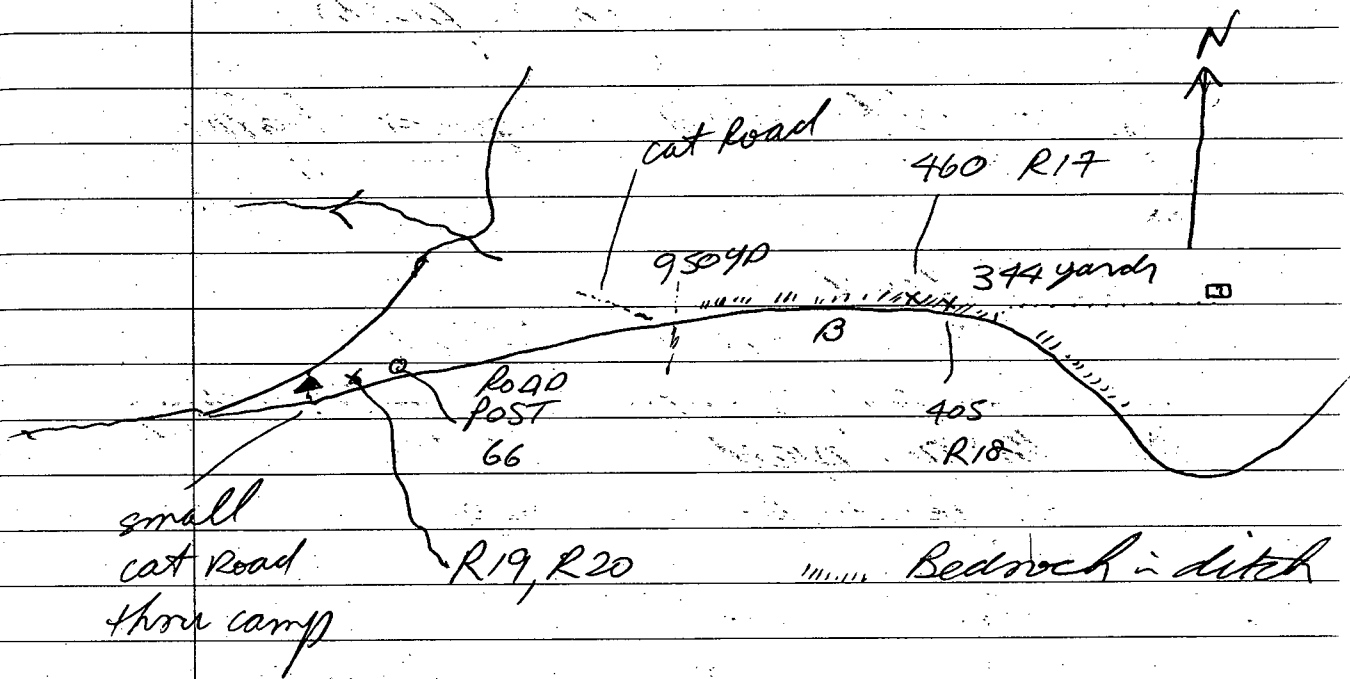
Bedrock in sloping areas
2'-4' deep



* R19, R20 most exciting yet,

27

JULY 97



~~R17 ~~R18~~ strange sugary quartz off hill~~
~~R18 or red gr. + sulphides~~
~~* R19 lot sulphides, folded, vugs, hot H₂O~~
~~* R20~~

R17: strange sugary quartz off hill
 R18 or - red gr. + sulphides
 R19 more Si, O₂ than R20
 less sulphides - stock works
 R20 folded lot sulphides vugs
 Hot water gone thru it

28/JULY/1977

old trees - 2" x 3" x 8"

face posts

past pit road no good / gmc

R21 silicified

R22 * MN - purple black
vegy, sulfides, interesting
large piece
150' below fallen tree

R23 sim R22

R24 solid rock - black
fine grain qt - few ~~limonite~~
sulfides

~~breccia~~ stock works?

R25 200' above fallen tree
blue sugary quartz
limonite + light green tinge

R26 small sim R23

R27 twisted - limonite - some quartz

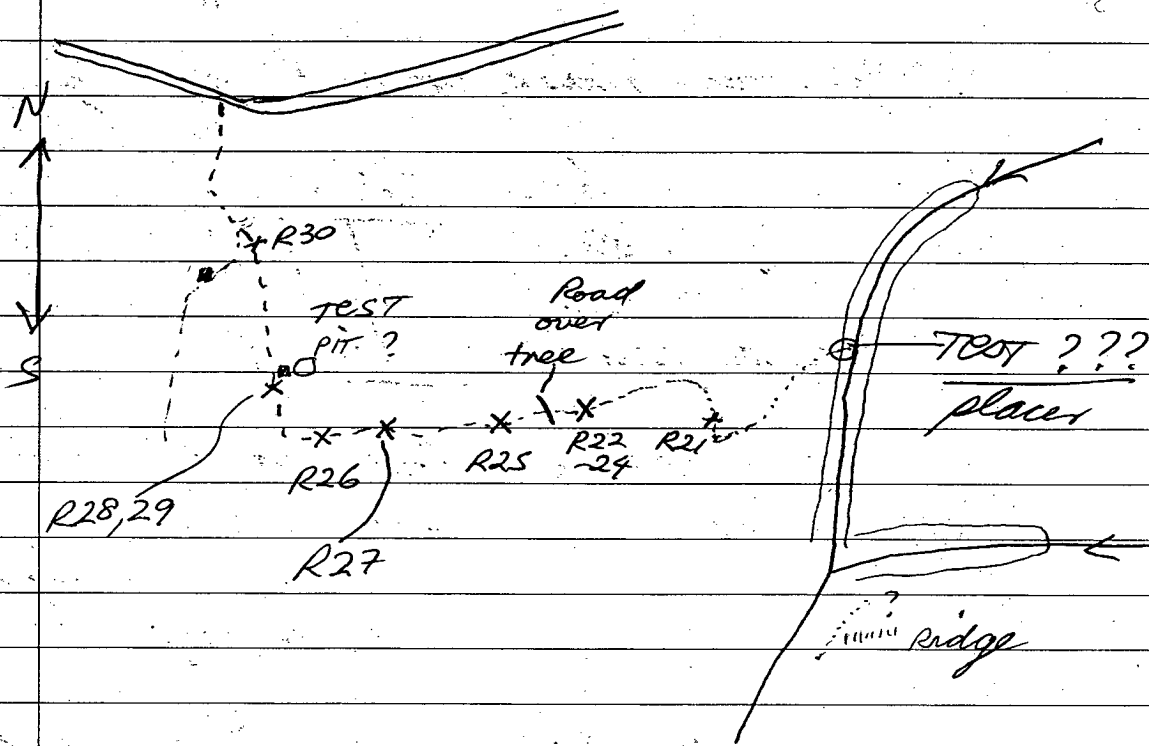
R28 breccia for saw

R29 twisted limonite + qt / saw

R30 volcanic - breccia or flow / saw

28

~~WATER~~ JULY 97



- TOOK 4 passes at end of cat road
- no BS - no Au
 - looks as if no large test was done
 - maybe pit fell in / bad hole
 - road ends
 - valley not wide + a swampy meadow

Rocks look more exciting here!

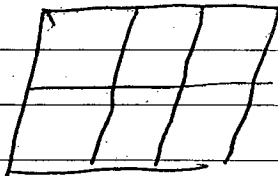
Unless road or ground disturbed
= almost no rock to see
= grass + moss + scrub

29 / JULY 197

Road: better than one 28 July

Steep area washed out badly

Saw 4 old brake shoes
(on road) + 1 window
(6 panes)
no cabin seen



No cat testing (but trail
No pits seen goes to SE
over stream
(no bridge)

4 pans - BSU

- Au - saw 1 silver + few too small?
- not too deep
- nice meadow at JCT (land belt)

R31 hard, interesting + side zones
Stock work

*R32 STRANGE quartz (large boulder)

R33 pabbly breccia

R34 B+ fragment / sulphides

R35 sulphides

R36 altered dyke??

R37 breccia of flow / limonite

R38 sulphide cracks

29
JULY 97



HILL dome

old
ROAD

game
park

R36

R35

R37-38

CAT
TRAIL

BULL
BT
outcrop

R31-33

R34

FLAT
area

Some 6' high
bushes on road.

very steep area

CALIFORNIA
creek

meadow

trail

went to here
+ 4 pans

30

JULY 97

Drove back to White Horse.

Recorded RINA 1-8. Checked up
data on old claims.

192,114 WH

- 0,705

1409 KM Round trip.

18

AUGUST 97

192,472

Went to Athin to see
status of claims.

NOT on YMIP

19
August 97

Back from Athin

192,885

472

413 Round trip

Km

not on IMIP

24
AUGUST 97

Left Whitehorse

193,015

25

AUGUST 97

Into site at 5⁰⁰ PM,

Water low + cold,

26 / AUG / 97

* NB

quality of US1
US2 } questionable
US3 }

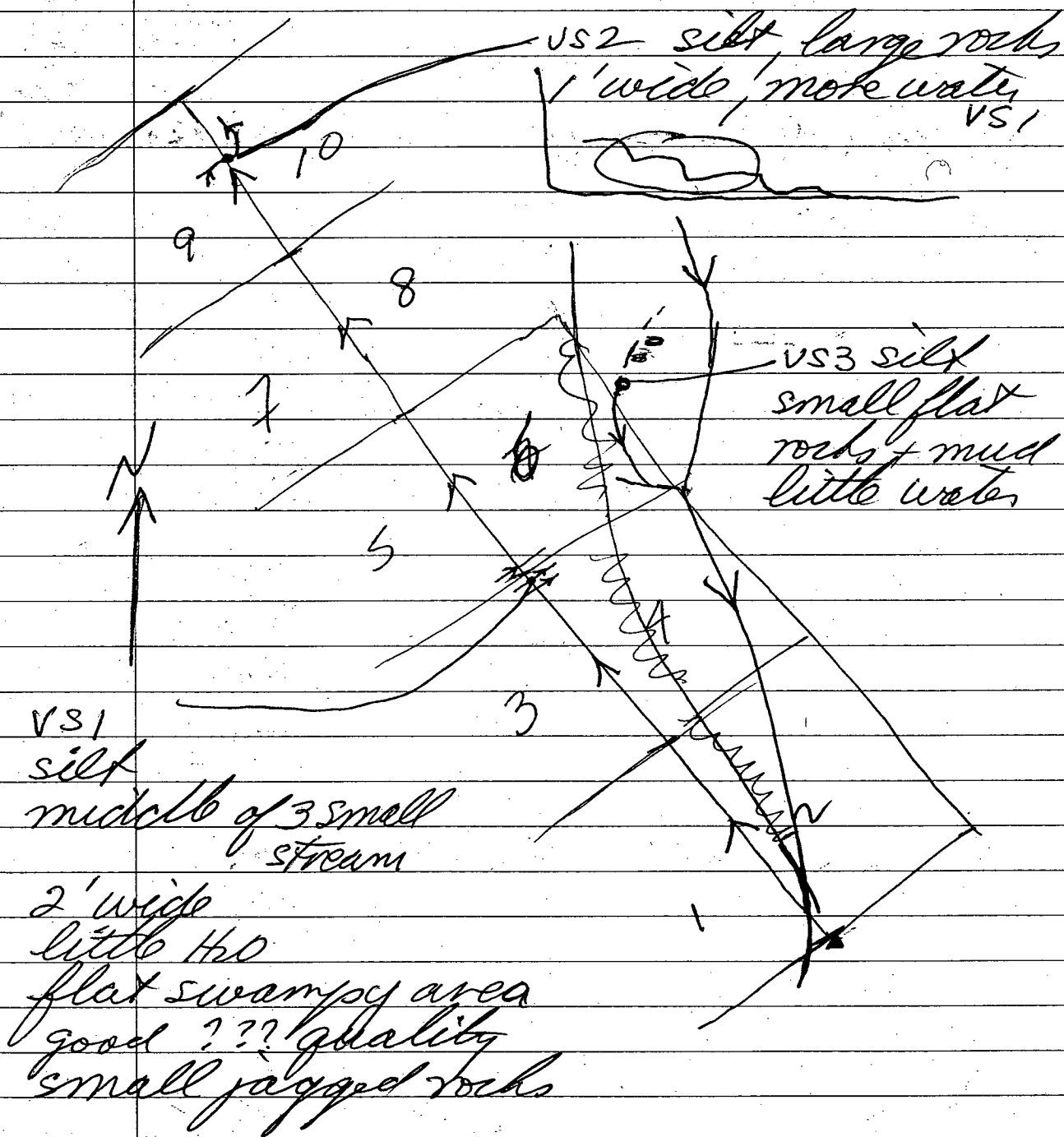
Put tags on #1-#10 claims
wandered along line to sides
to see new areas.

Drizzle: PM

SILTS - use a shovel
- under water usually
- thru a 8 mesh screen
- marked by flag tape
or paint
- active stream area

26

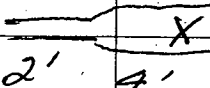
AUG 97



27

AUG 97

VSS silt



 2' 4'

fast slow

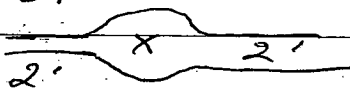
sim VS4

Bedrock

MEADOW

lot flat ones 12"
 Rocks up to 18"
 hard to get silt

VS4 SILT

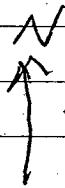


 2' X 2'

6-8' wide

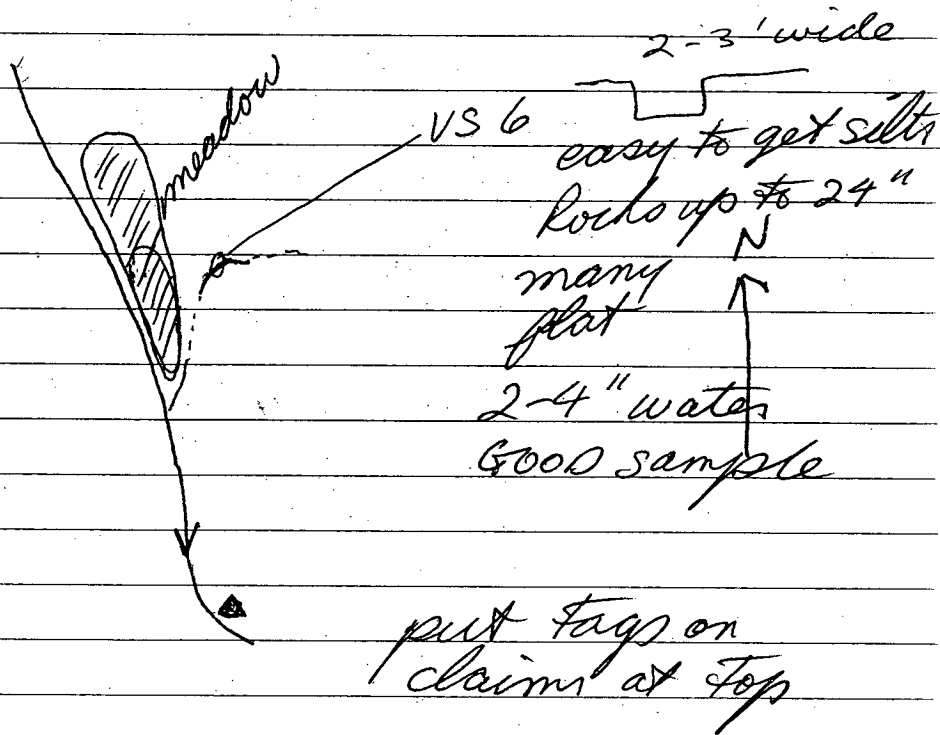
VM | 2 bags (mesh AU)
 of moss / some
 dry area

4-6' deep
 Not done
 finished



8-10 am rained heavily.

28
AUG 97

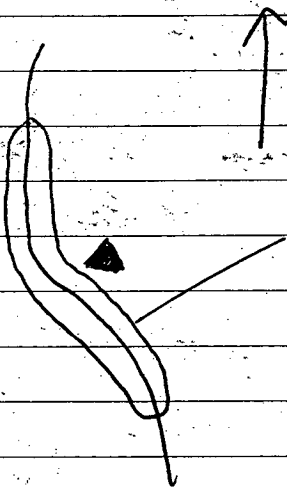


A rain storm missed
me - passed to south

NB some interesting linears
on Top = felsic
volcanic areas

28

AUG 97

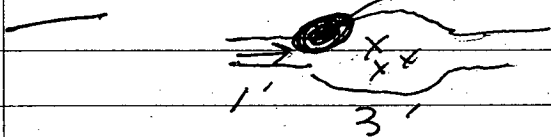


VM 2 - moss mats

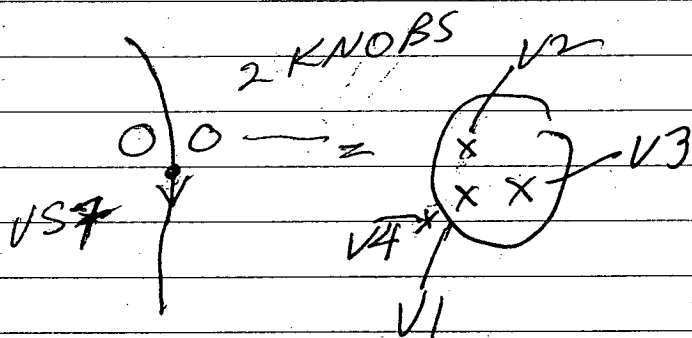
- not many
- a long time
to do it
- fingers are
numb
now at nite

30/AUG 197

US7 - silt rock

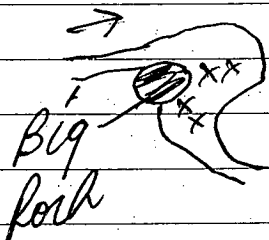


- brown water / lot algae /
+ rocks



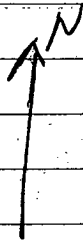
US8 - silt

- 2/3 way down meadow



30
AUG 97

very tiring
day!!



V1 large rock
angular
felsic vol areas
milk white chal.
white quartz
sulphides
blue grey SiO2
lot of orange SiO2
V2 ?
V3 sim to V1
V4 whole rock



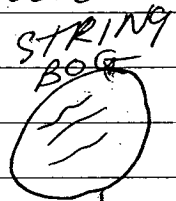
walked from
last 2 posts
on 3080

- same as claim #
line

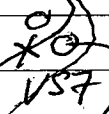
x about 2
claim length
to stream
= estimate

last 2 posts

TOP
of Hill



Recent
Algo?
Tracks



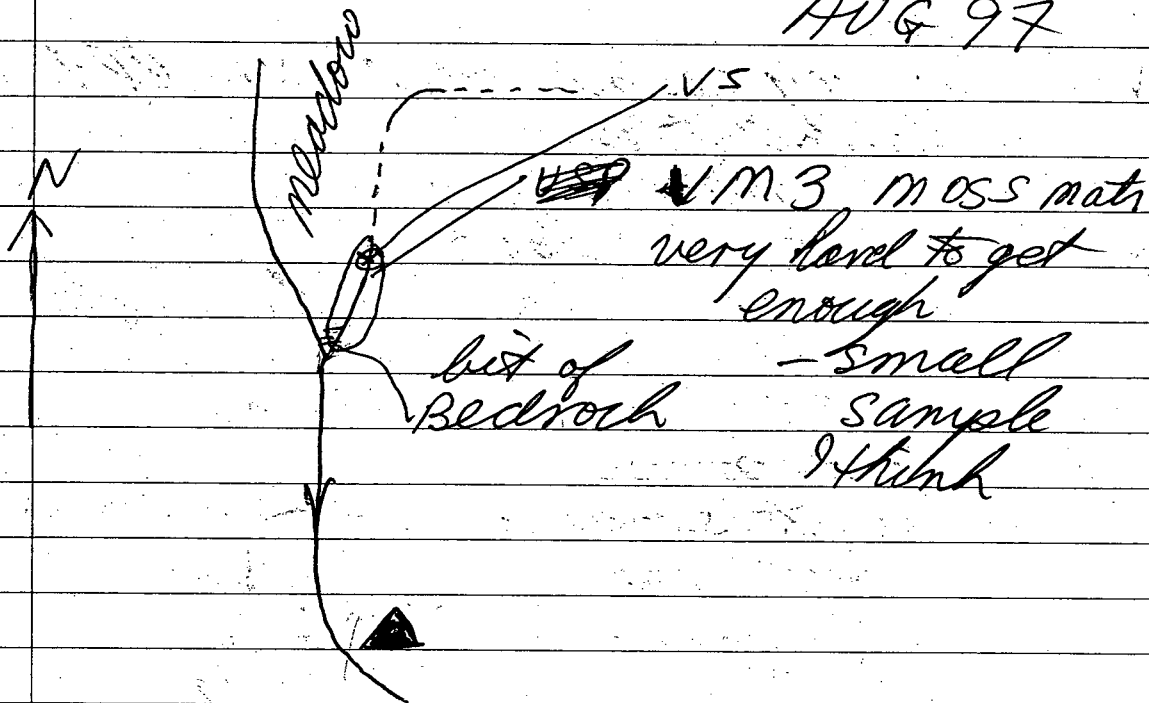
V1-V3

meadow

lower
down = goat silk

AU 22
AS 152
W 7

31
AUG 97

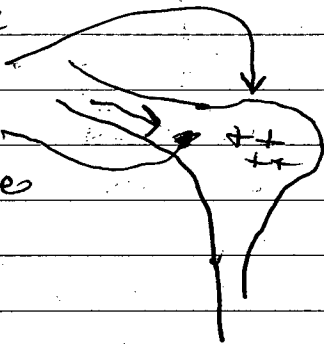


- black
VS - stained
- bit quartz

1/SEPT/97

VS 9 many round rocks small to large
glacial till
mix moss
roots
under rocks

VS 10 1500' down stream
bit moss
center stream
but most
saw serpentine
in stream here



VS 6 strange quartz
warped sulphides
VS 7 volcanic / with chalcocite?

SEPT 97

POSTS



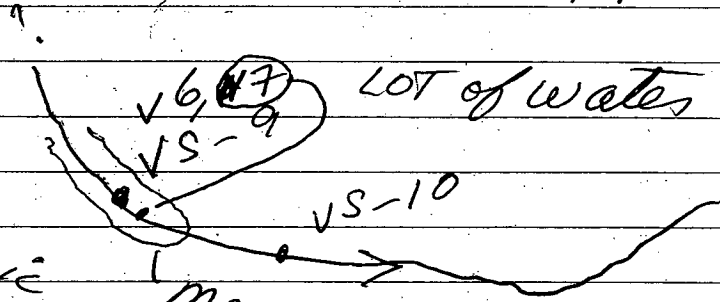
MAFIC
VOLCANICS



meadow
corn land
helicopters



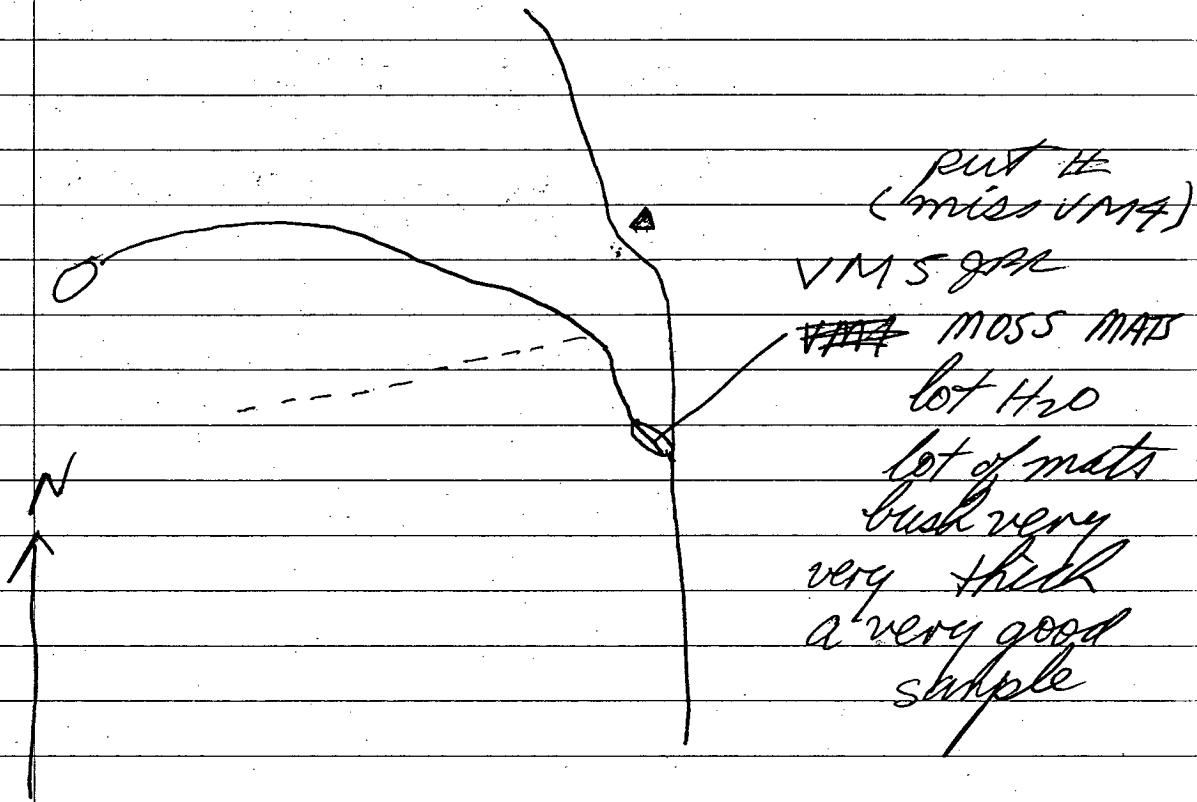
STRING
BOG



PUT ALL TAGS on notes

2

SEPT 97



put in
(miss VM4)

VM5 GAC

~~VM4~~ MOSS MATS

lot H₂O

lot of mats

bush very

very thick

a very good

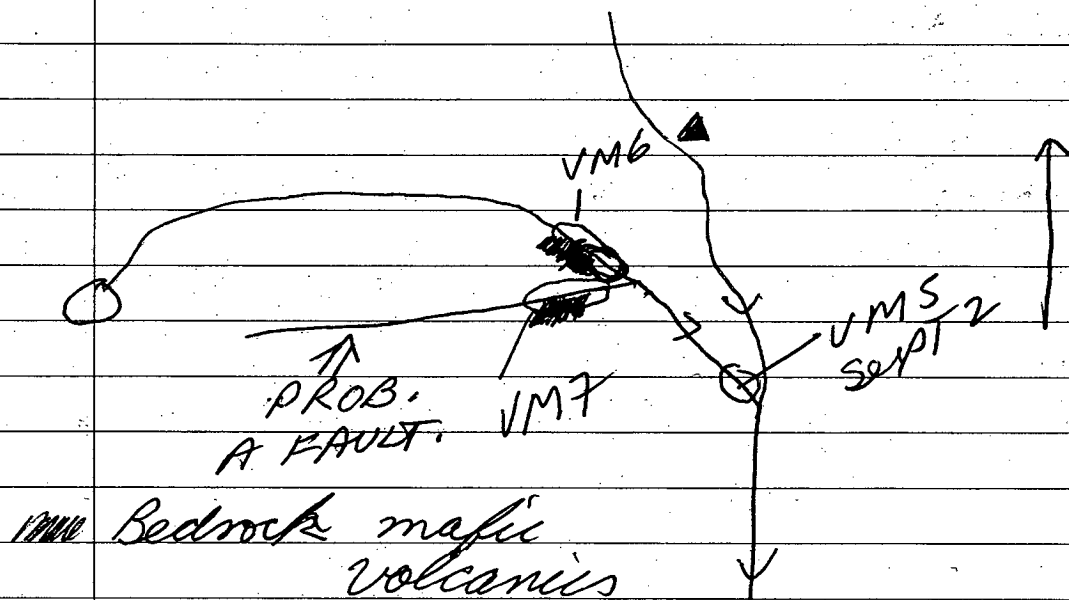
sample

3
SEPT 97

TOOK A REST.

8 DAYS IN A ROW OF WORK.

4
SEPT 97



VM6 GOOD moss mat
4' wide lot of water
1/6-1/8 moss on bedrock / sample

VM7 2' wide
1/6 / 1/8 moss on bedrock / sample

STARTED to rain at 7³⁰pm
light on/off

a Nice Rainbow, too

5

SEPT 97

V11 { large orange
bleached clay
breccia gt ?

V12 { orange
complex
gt

V14

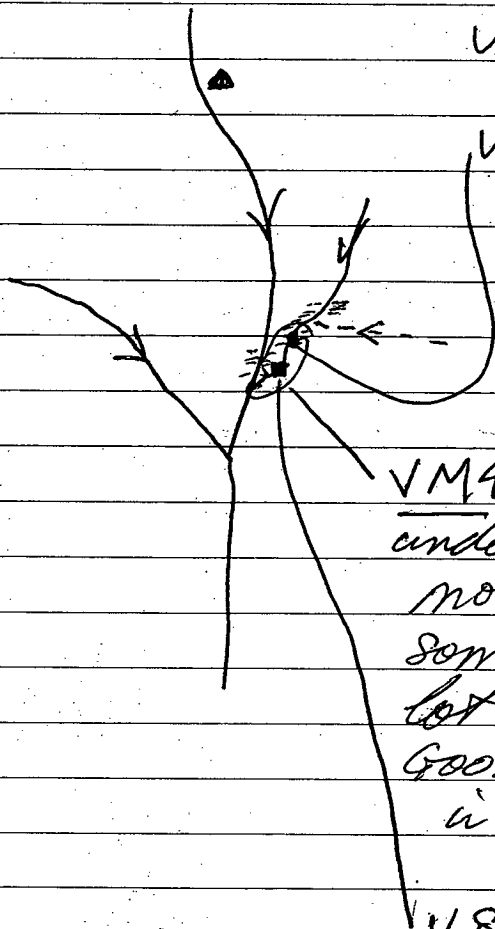
under line bag
moss mats

some on bedrock
lot of large rocks
Good sample
in canyon

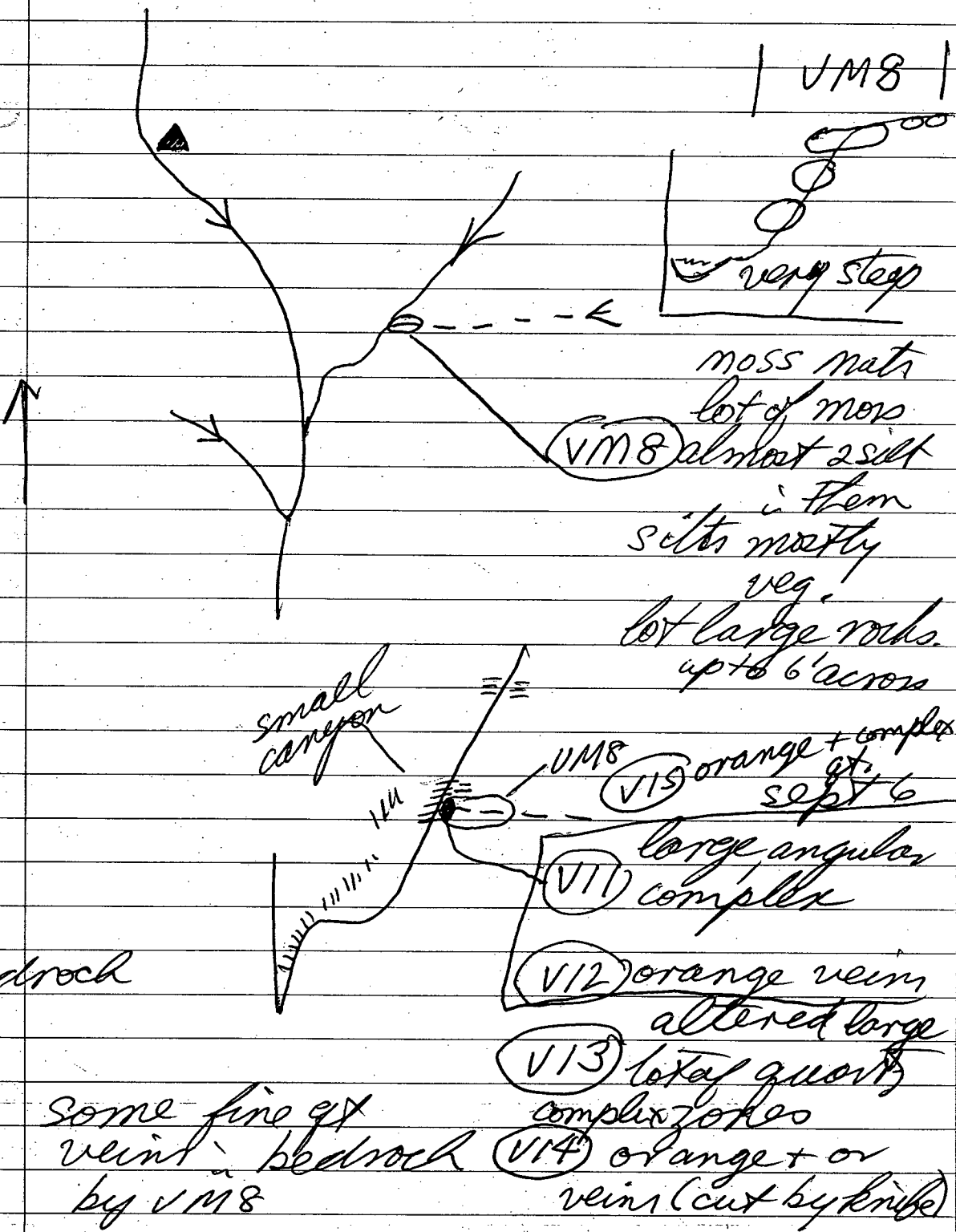
V8 orange + gt.
veining

V9 "

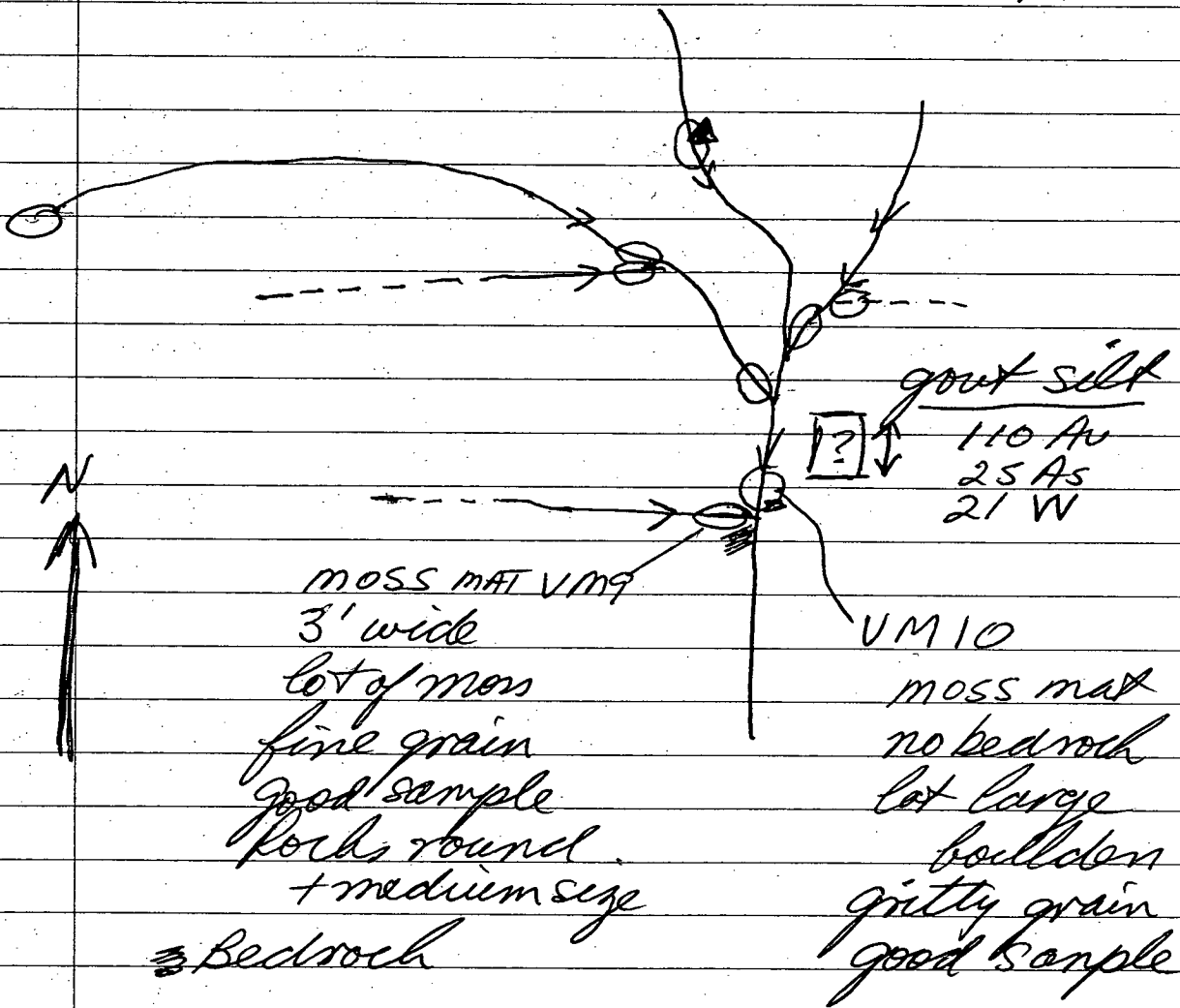
V10 small + m



6
SEPT 97



7
SEPT 97



○ moss mat / for 100 gm Au
samples / -150 mesh
cyanide leach

some very thick bush

8

SEPT 97

Sunny, windy, cloudy on +
off + many showers.

Did not go out. Finished
VM1 + VM10.

9

SEPT 97

Flew out day early. Left

at 7⁰⁰ PM.

10

SEPT 97

Drove back to Whitehorse

194,053 in WH

193,015

1,038 Round trip

tiring drive!!!

18

SEPT 97

left to go to DAWSON
CITY.

194,276

19.

SEPT 97

Arrived in Dawson City. Got

tags - looked at claims. Saw Hans

20

SEPT 97

Drove out to California Creek.

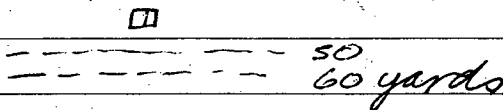
21/Sept 198

Went by truck to check out
road south of Suede Dome,
Can not drive on it!!

21
SEPT 97

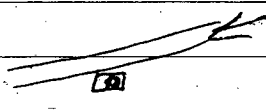
NO.1	NO.1
RINA	RINA
(10)	(9)
S	S
1500'R	1500'L
0'L	0'R
21	21
SEPT	SEPT
1997	1997
JP	JP
ROSS	ROSS

2⁴⁵ PM



180°

485 YARDS

 stream
OK / silt

ROSS	ROSS
JP	JP
1997	1997
SEPT	SEPT
21	21
(10)	(9)
RINA	RINA
NO.2	NO.2

6¹⁰ PM

some sloppy
ground
in valley

No bedrock anywhere

22/Sept/97

AM - windy cold overcast.
Thought snow was coming - went
out.

Was robbed of some gear
by ? - probably a hunter.

Went to Dawson City to
report it. Talked to police.

22

SEPT 97

Put tags on RINA #1 - #8.

Saw no rocks worth testing.

23

SEPT 97

Stayed in Dawson City. Too
upset to do anything. Drove back
out at night part-way.

24/SEPT/97

2

Little worried
today about security
of my truck, even when locked!

Stream

Found almost
no rocks to even
test or crack.
No Bedrock seen!

R1NVA

(11)

(12)

POSTS
ON TOP
FLAT
AREA

R1NVA

(13)

(14)

Flagged
stop
above stop
hill for
last section
486 yds
APE in 19000

5

24
SEPT 97

NO. 1	NO. 1
RINA	RINA
(12)	(11)
S	S
1500'R	1500'L
0'L	0'R
24	24
SEPT	SEPT
1997	1997
JP	JP
ROSS	ROSS

✓
✓
11³⁰ PM

482 YARDS
180° SOUTH

ROSS	ROSS
JP	JP
6661	6661
1405	1405
24	24
(12)	(11)
RINA	RINA
NO. 2	NO. 2
NO. 1	NO. 1
RINA	RINA
(14)	(13)
S	S
1500'R	1500'L
0'L	0'R
24	24
SEPT	SEPT
1997	1997
JP	JP
ROSS	ROSS

✓
✓
✓

3⁴⁵ PM

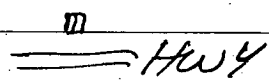
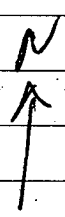
25
SEPT 97

ROSS JP 1997 SEPT 25 (14) RINA NO.2	ROSS JP 1997 SEPT 25 (13) RINA NO.2
ROSS JP 1997 SEPT 25 (16) S 1500'R 0'Z 25 SEPT 1997 JP ROSS	ROSS JP 1997 SEPT 25 (15) S 1500'L 0'R 25 SEPT 1997 JP ROSS

photos
✓

LONG HARD
DAY Down

up
down!!!
up



4:45 PM

ROSS JP 1997 SEPT 25 (16) RINA NO.2	ROSS JP 1997 SEPT 25 (15) RINA NO.2
--	--

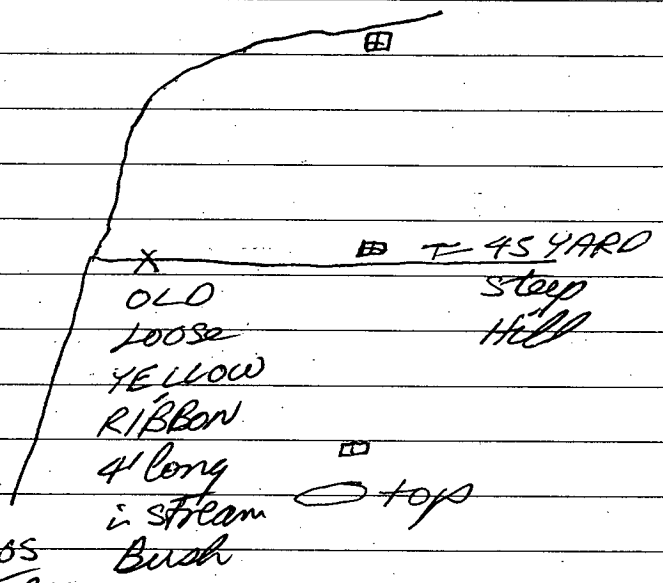
180°
486

✓

7:05 PM

cut tree

close to top



26
SEPT 97

Recorded RINA 9-16.

Check up on claims. Sawen

cut 12 trucks at A/Cs TOP

VMS project 30 km west of

Dawson City (WEST BANK).

heard yesterday

DC +7°C day. * Better make
-5°C nite next 2 days

COUNT!!!

27/SEPT/97

Drizzle started at 1³⁰ PM
or so.

Heavy at night

I was miserable

almost everything
in damp
or dirty
long undies
eq. coat
pants

lost my small shovel at

RSS
Basically a boggy

all 5 silk

swamp,
seem good quality

shovel (med) + 8 mesh screen
into pail → Bag.

27

SEPT 97



SILTS TODAY

to test for
Pb Zn Cu
As Ba (UMS)

150' upstream

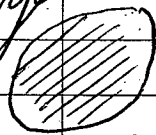
med
RS4 rocks
good H₂O flow

500' up
stream

RS3 large
rocks

RS1
large
rocks

RS5
good flow
1 1/2' deep H₂O
largest rock



1000'

750'

2 old
weathered
yellow
tape

RS2 small
rocks

small outcrop
black smooth outcrop
12' x 5' high
fac NW

28

SEPT 97

Snow, rain, mist, at 4⁰⁰ PM

start to clear up ?? I went to
clean
town to dry out gear.

Only really need 3 more
silt on N fork.

2-3 on main = OPTIONAL.

29

SEPT 97

In Dawson. Clear up today

Now clear + cold for 3-4

days. Better act quickly now.

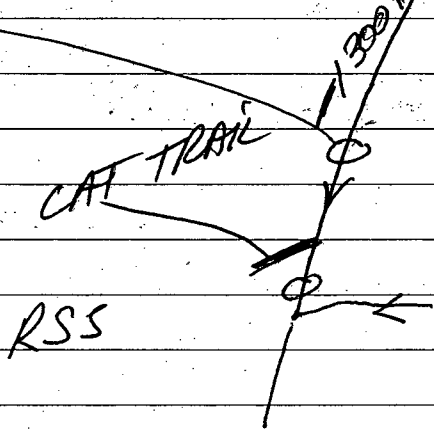
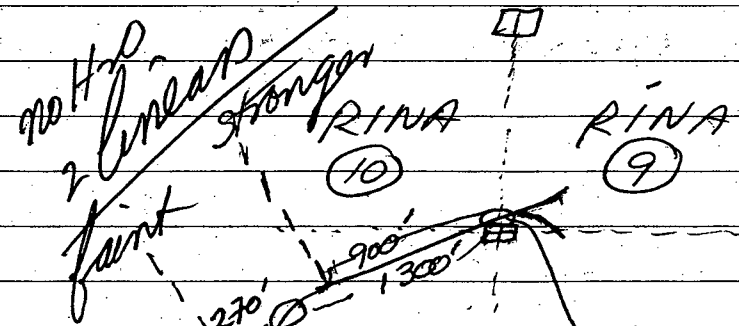
30/SEP/1977

~~1st day~~
put a hole

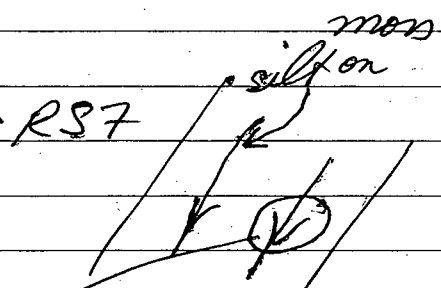
in my brand
new felt rubber
2" from top
(sheep
branch)

RS8 jungle of alders
under roots
bit of moss
quality of
sample doubtful
some big roots
few big rocks
1/2" deep

30
SEPT 97



RS6
 mod size
 rocks
 lot of sticks
 mud/rocks
 good sample



Stream splits
 2-3 XU
 small stones
 up to 5/16"
 loose sticky
 mud
 good sample

OCT

1 1997

Used 2 bags - summer

+ winter.

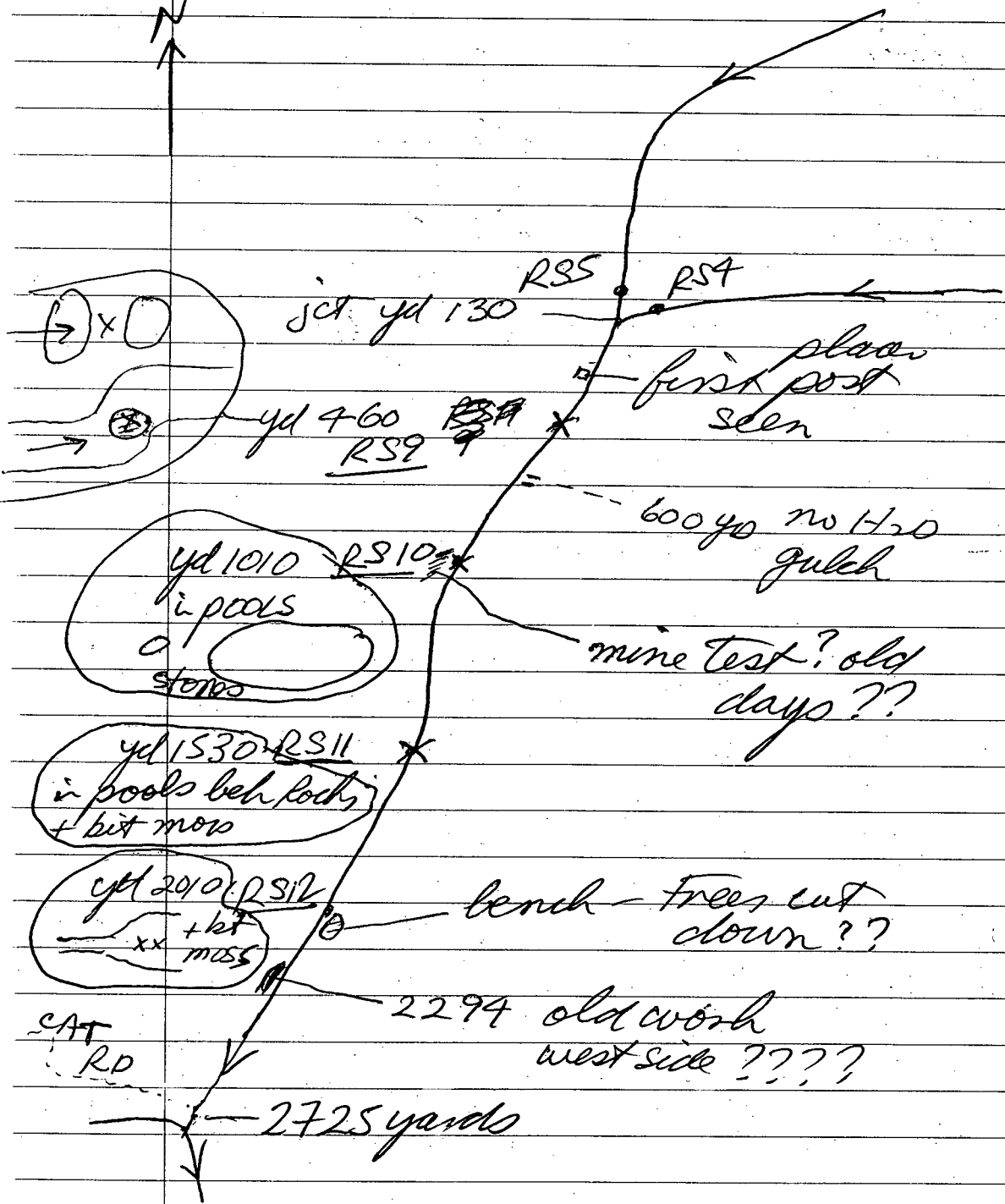
Snowed at night to about 11 ^{pm} am

Most has now melted.

Did not go out. Just need 1
more day.

21 OCT 197

N
↑



ydl 130

RS5

RS4

first place seen

ydl 460
RS9

600 yd no H2O
gulch

ydl 1010 RS10

in pools
stones

mine test? old
days??

ydl 1530 RS11

in pools beh rocks
+ bit more

ydl 2010 RS12

xx + bit
mass

bench - trees cut
down??

cat
RD

2294 old work
west side ????

2725 yards

2
OCT 97

Snow in morning only a bit.

Maybe -10 -12 at night. Went
out at 12 - when sun melted

somewhat - got back at 8³⁰ PM.

Ground frozen + moose trail
helped a lot. Ice some places
3-5" thick.

Finished

3

OCT 97

Drove to whitehorse.

^{5''}
194,228 km END

194,276 WH start

1,952 Round trip

20 JUNE 1997

W1 FLOAT

W2 "

W3 "

W4 "

W5 "

W6 "

W7 "

W8 "

W9 "

W10 "

W11 "

W12 "

W13 "

W14 "

W15 "

22 JUNE

W16 float

W17 "

24 JUNE

W18 "

W19 "

25 JUNE

W20 "

26 JUNE

W21 "

27 JUNE

W22 "

W23 "

1	<u>JULY 1997</u>
W 24	float
W 25	"

2	<u>JULY</u>
W 26	"
W 27	"

6	<u>JULY</u>
W 28	float
W 29	"
W 30	"
W 31	"
W 32	"
W 33	"
W 34	"
W 35	"

19 JULY 1997

R1 float

R2 "

21 JULY ~~19~~

R3 float

25 JULY

R4 bedrock

R5 "

R6 bedrock / float

R7 float

26 JULY

R8 float

R9 "

R10 "

R11 "

R12 "

R13 "

R14 "

R14A "

R15 "

R16 Bedrock

27 JULY

R17 float

R18 "

R19 "

R20 "

28 JULY

R21 float

R22 "

R23 "

R24

float

R25

"

R26

"

R27

"

R28

"

R29

"

R30

"

29 JULY 97

R31

float

R32

"

R33

"

R34

"

R35

"

R36

"

R37

"

R38

"

26 AUG 97

VS1 silt

VS2 "

VS3 "

27 AUG

VS4 "

VSS "

VM1 MOSS MATS

28 AUG

VS6 silt

29 AUG

VM2 MOSS MATS

30 AUG

V1 float

V2 "

V3 "

V4 "

VS7 silt

VS8 "

31 AUG

VM3 moss mat

V5 float

1 SEPT

V6 float

V7 "

VS9 silt

VS10 "

2 SEPT

~~V11~~ Moss mat

VMS

4 SEPT 97

VM6 MOSS MAT

VM7 " "

5 SEPT

VM4* MOSS MAT (omitted before) *

V8 float 2 sept

V9 "

V10 "

V11 "

V12 "

6 SEPT

VM8 MOSS MAT

V13 float

V14 "

V15 "

7 SEPT

VM9 MOSS MAT

VM10 " "

27 SEPT 1977

RS1 silt

RS2 "

RS3 "

RS4 "

RS5 "

30 SEPT 1977

RS6 silt

RS7 "

RS8 "

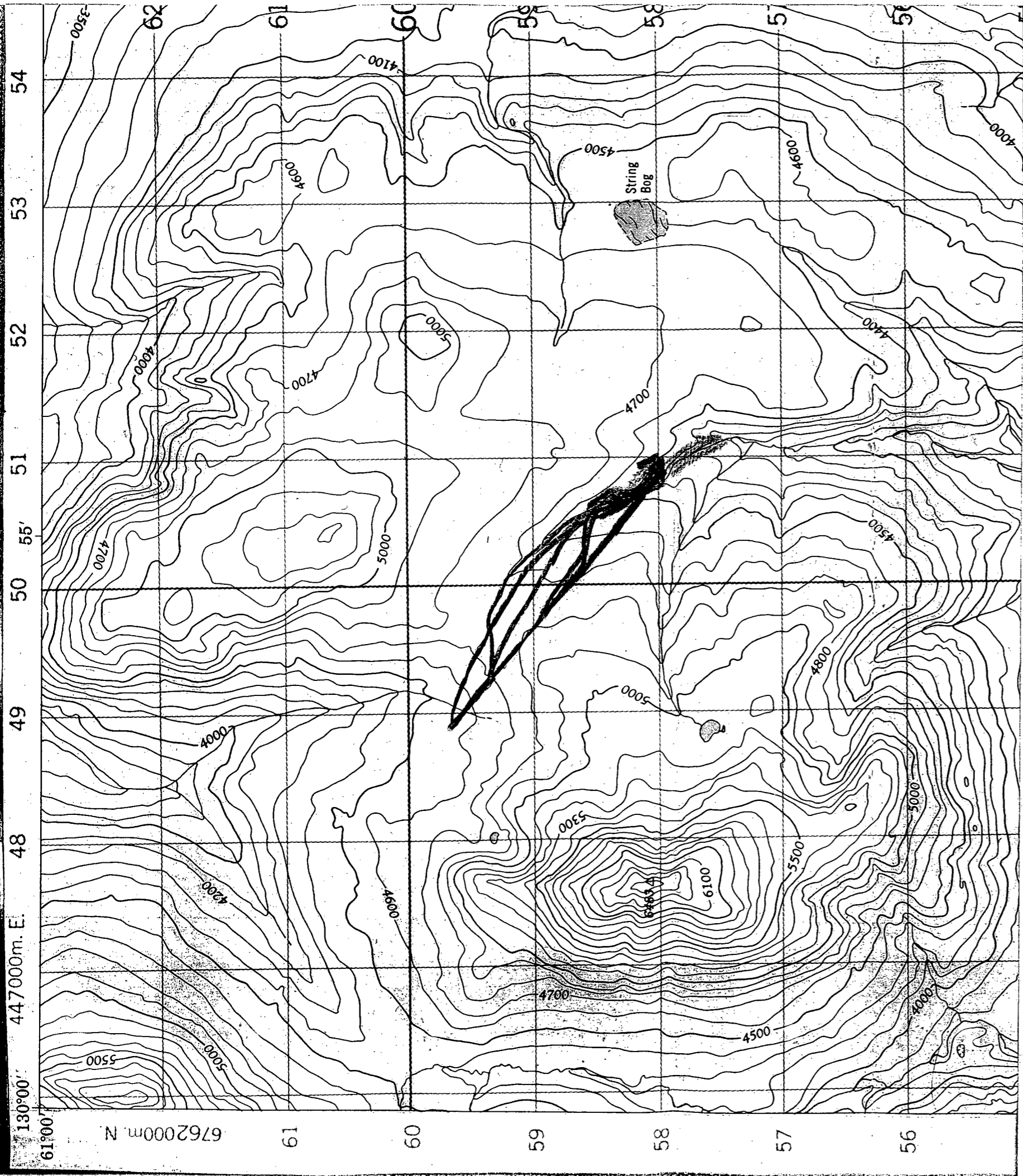
2 OCT 1977

RS9 silt

RS10 "

RS11 "

RS12 "



20 JUNE 97

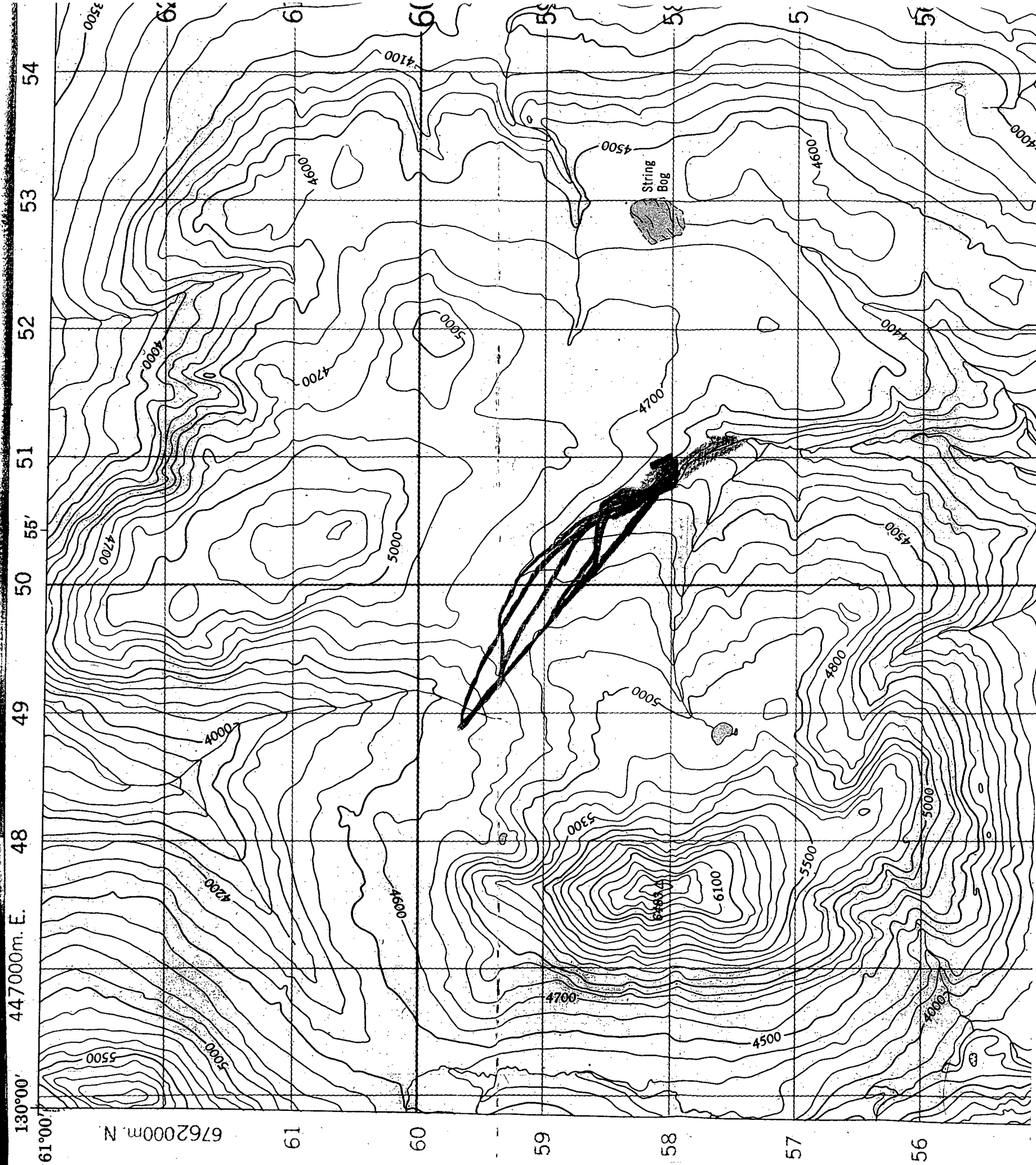
21 JUNE 97

22 JUNE 97

23 JUNE 97

24 JUNE 97

25 JUNE 97



20 JUNE 97

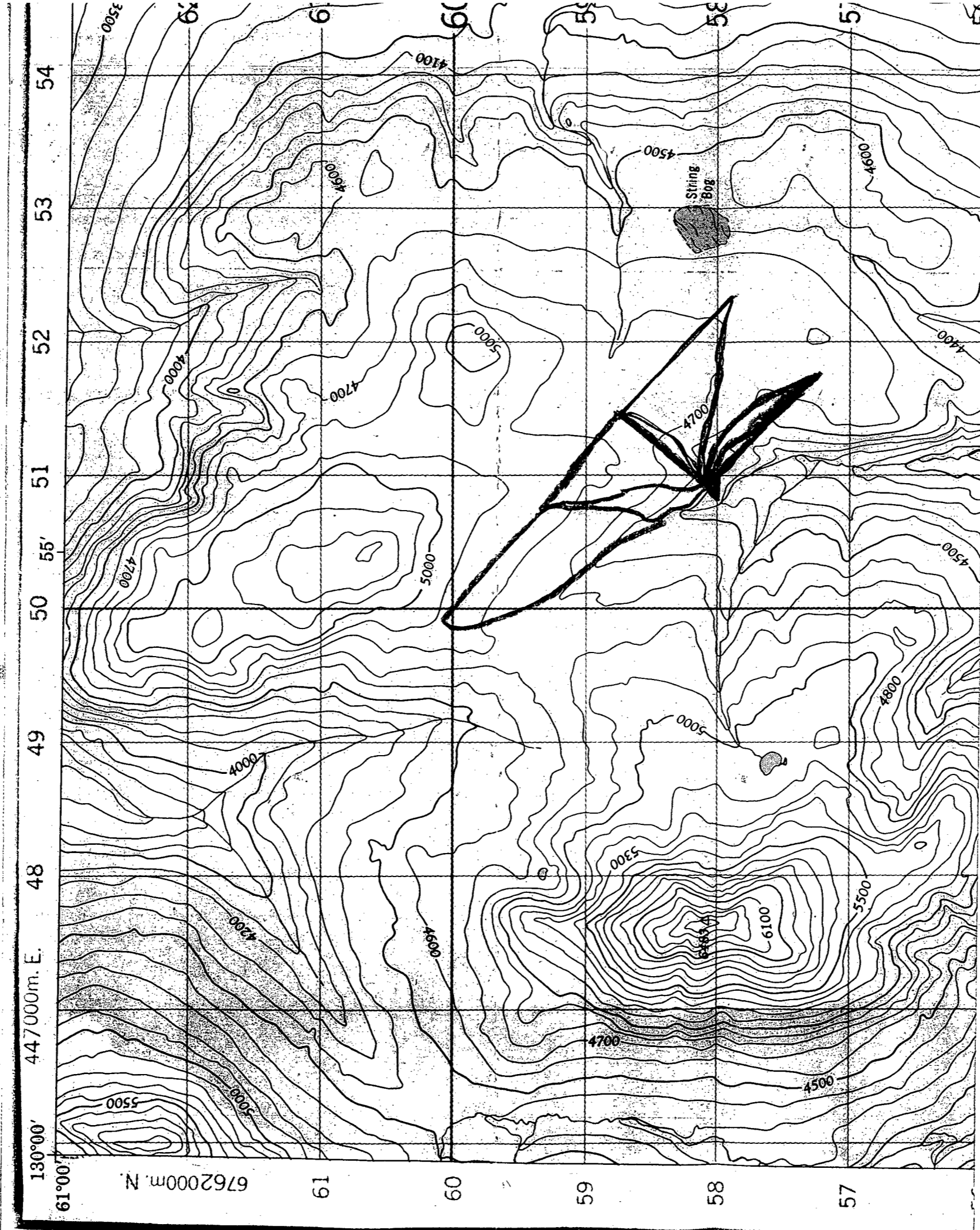
21 JUNE 97

22 JUNE 97

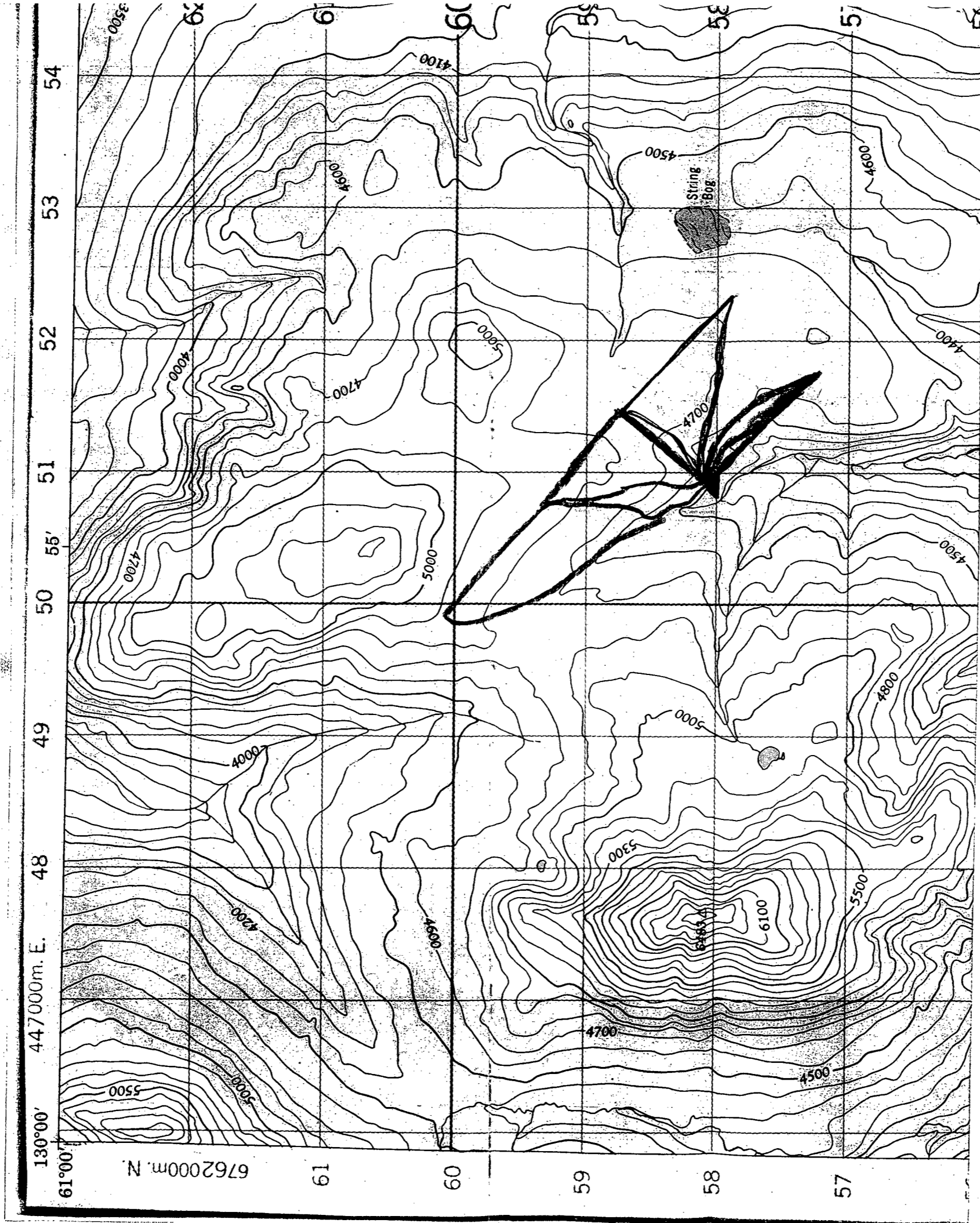
23 JUNE 97

24 JUNE 97

25 JUNE 98



- 26 JUNE 97
- 27 JUNE 97
- 1 JULY 97
- 2 JULY 97
- 5 JULY 97



26 JUNE 98

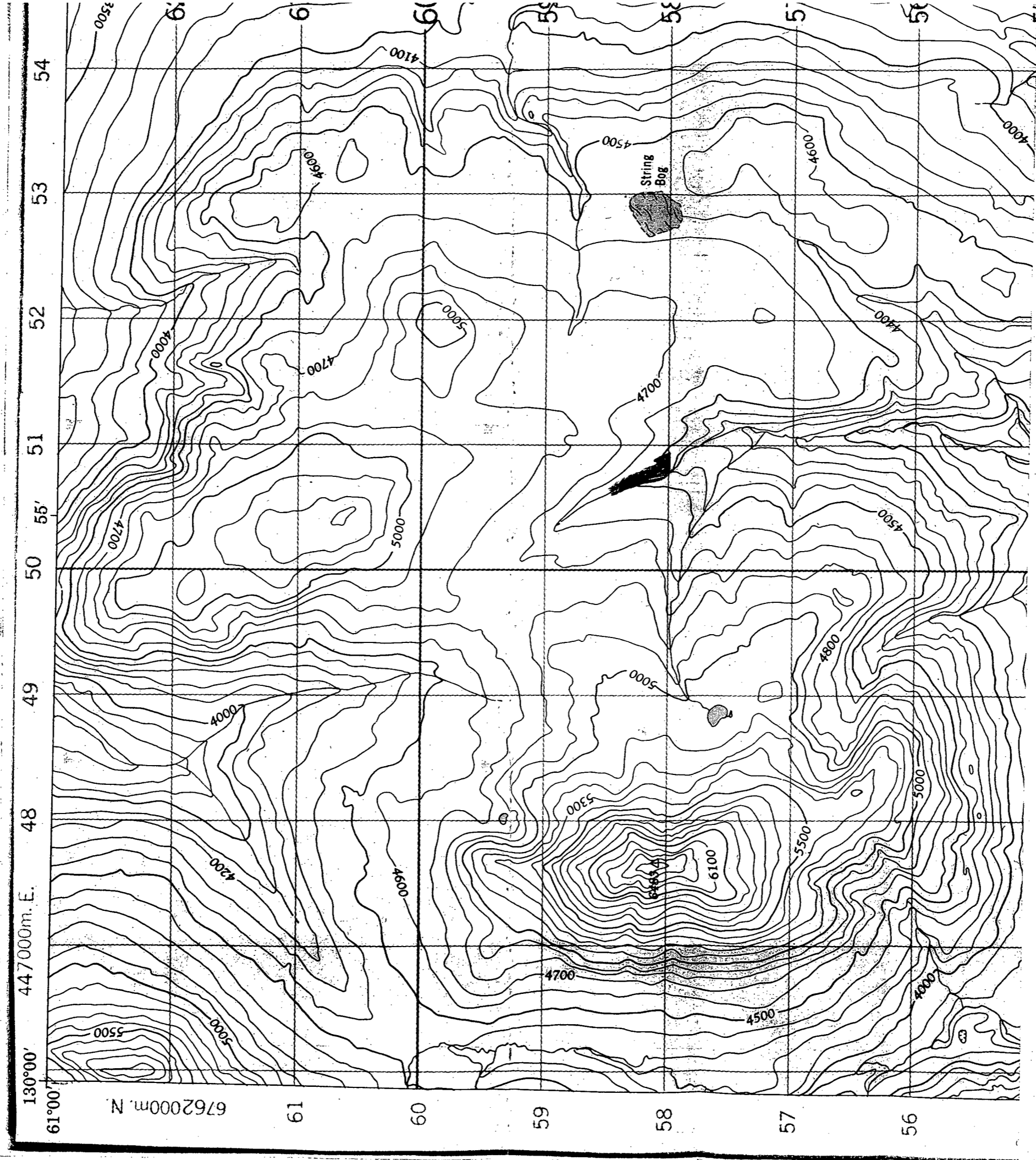
27 JUNE 98

1 JULY 98

2 JULY 98

5 JULY 98

6 JULY 98



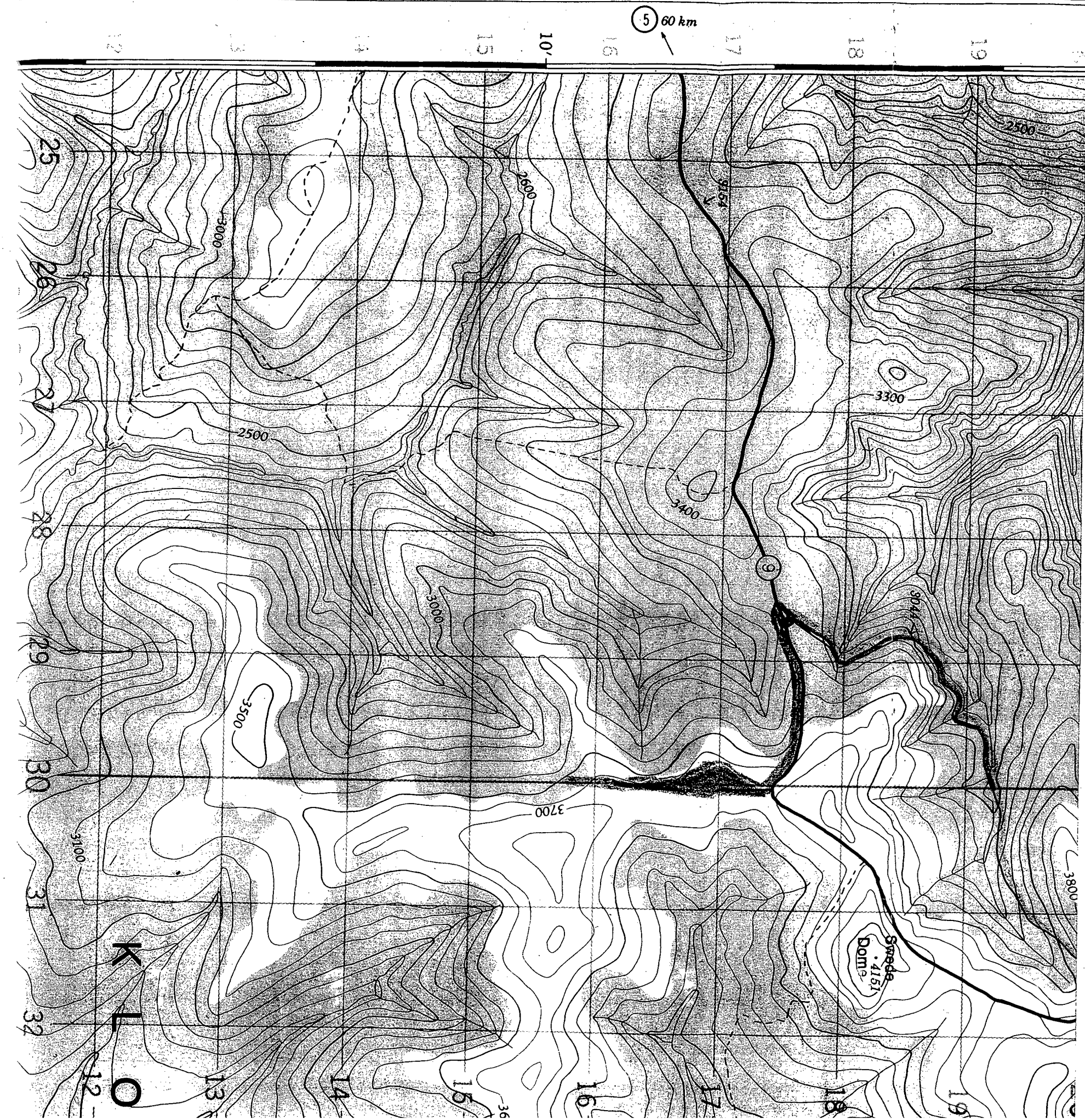
IN THE
OFFICE OF
THE
SURVEYOR

19 JULY 97

21 JULY 97

22 JULY 97

25 JULY 97

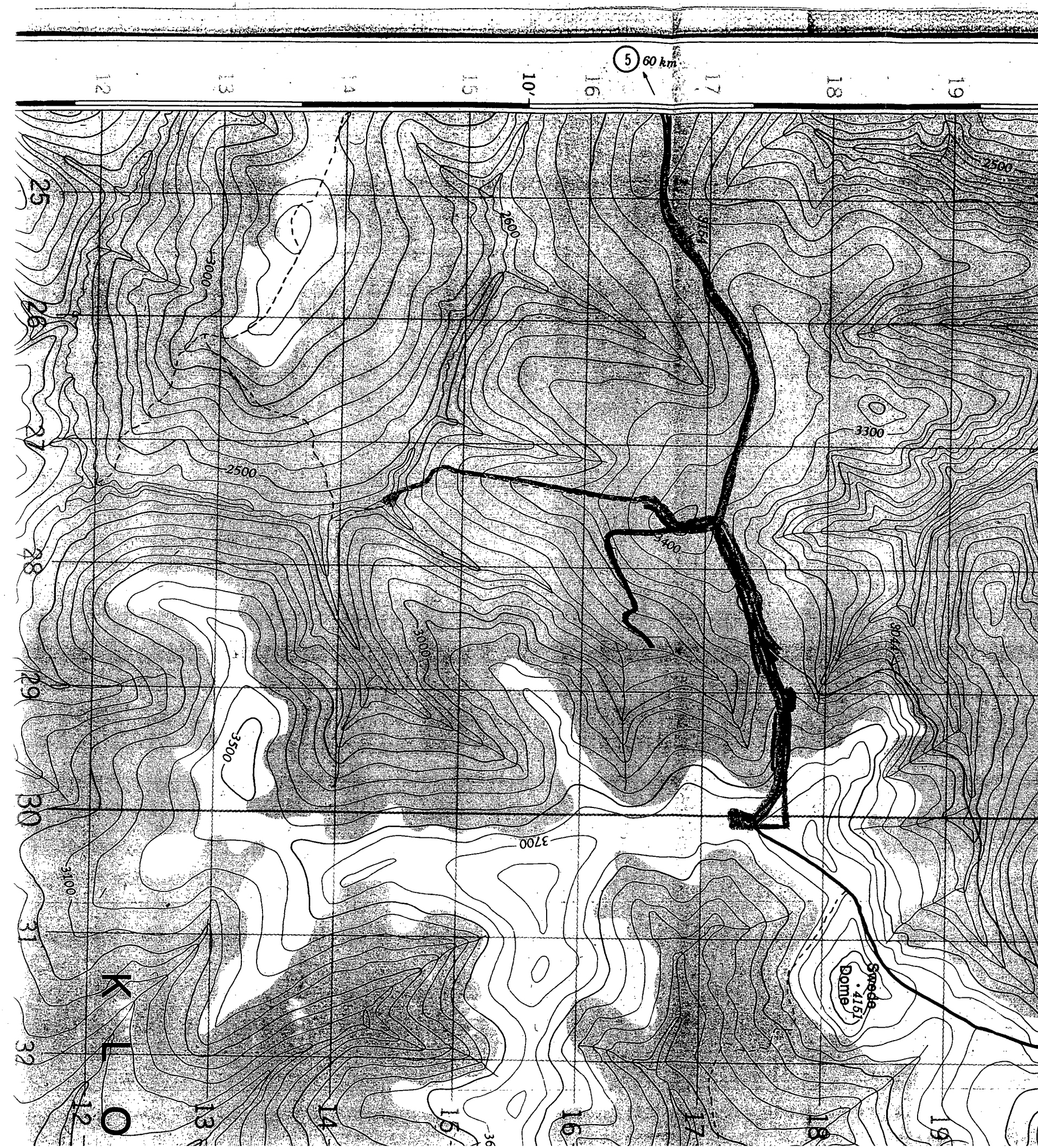


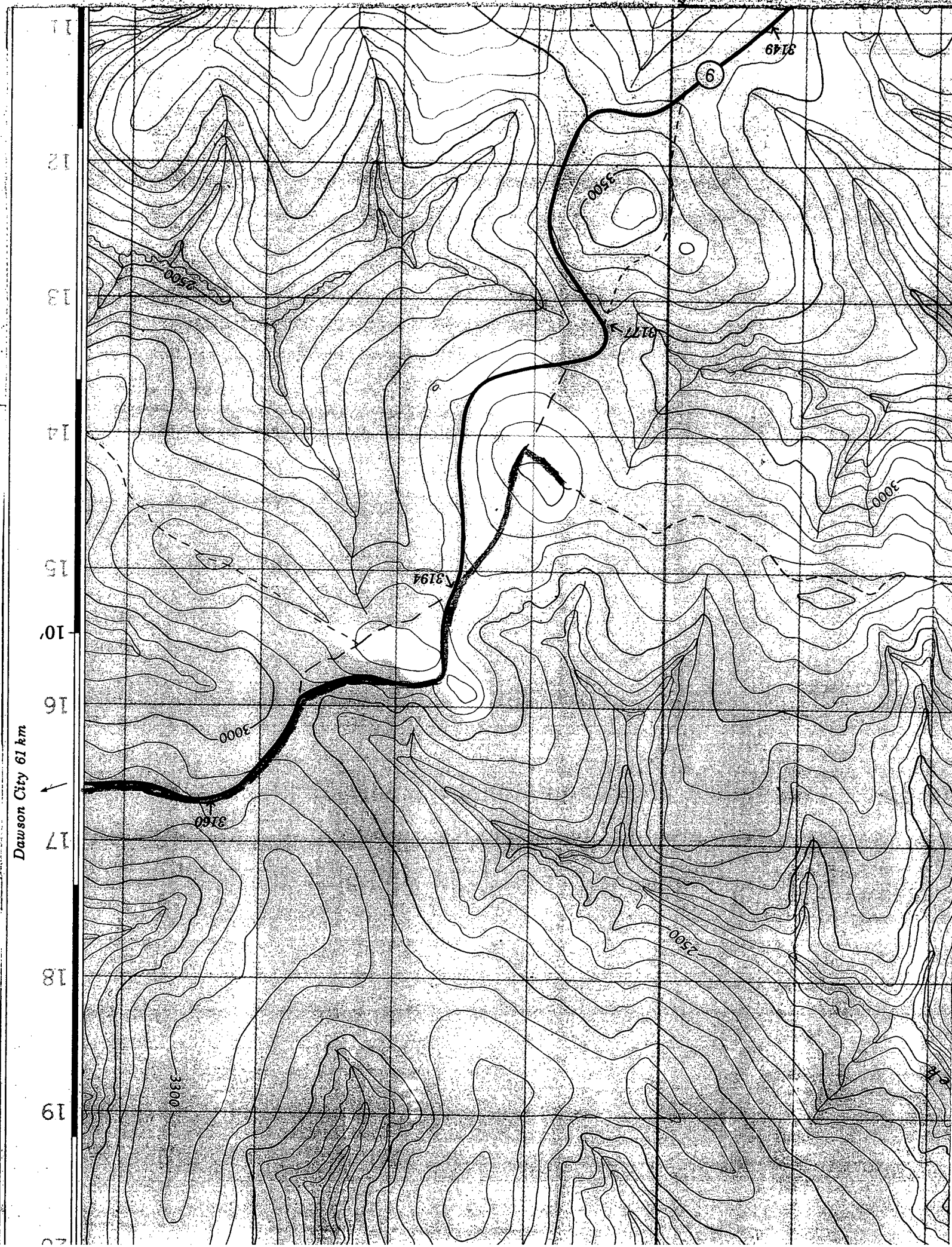
26 JULY 97

27 JULY 97

28 JULY 97

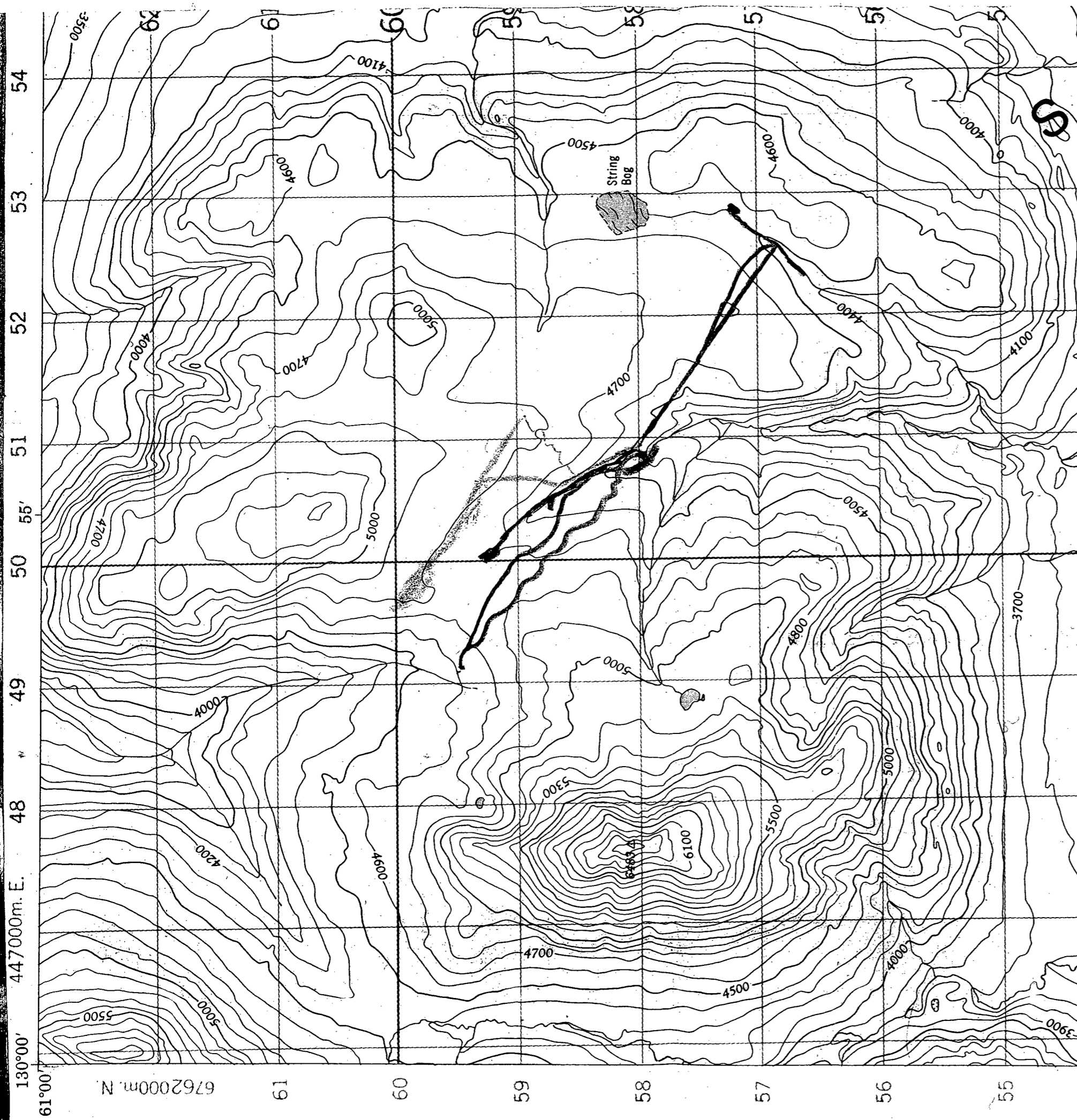
29 JULY 97





27 JULY 97

~~27 JULY 97~~
27



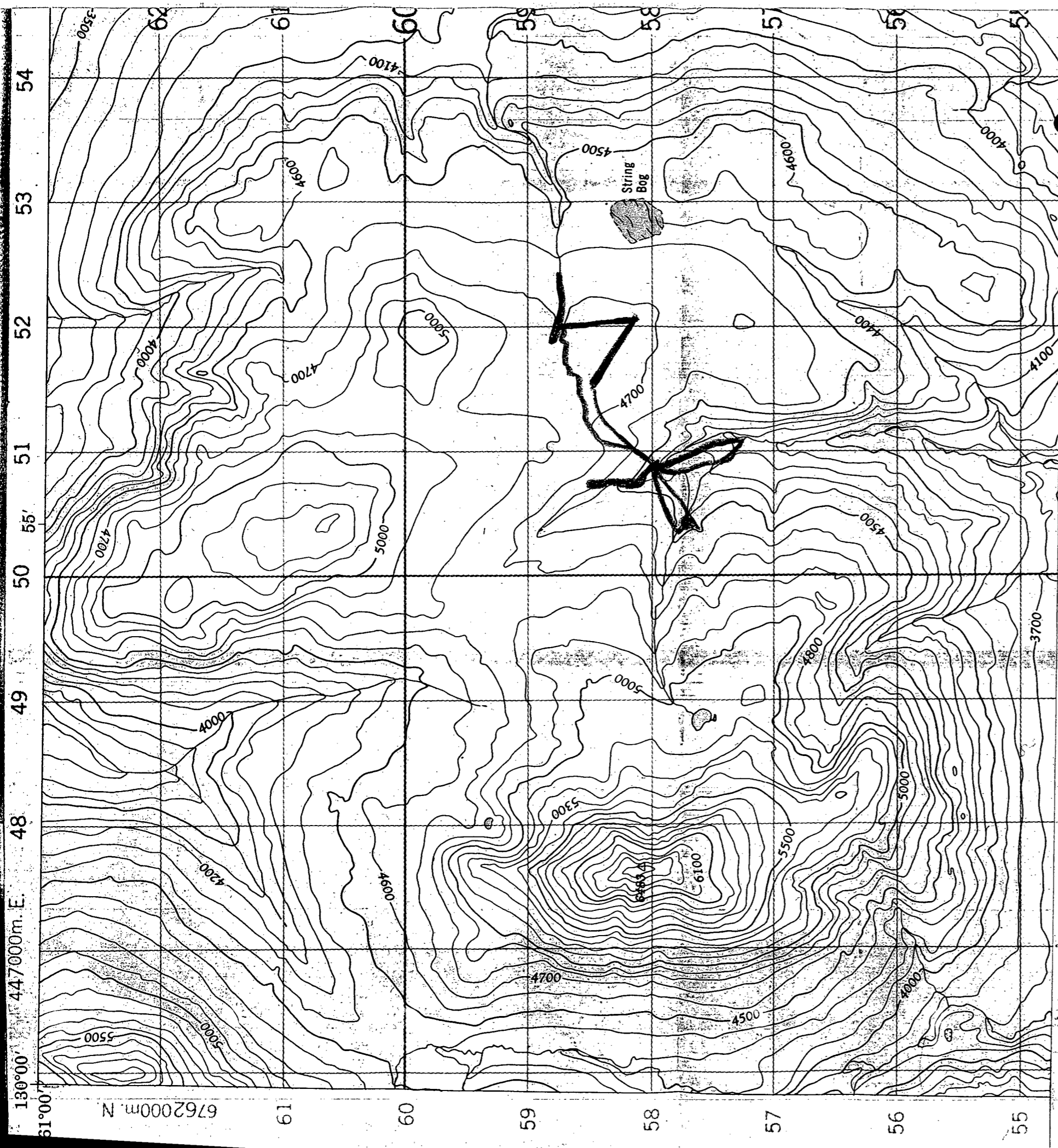
26 AUG 97

27 AUG 97

28 AUG 97

29 AUG 97

30 AUG 97



31 AUG 97

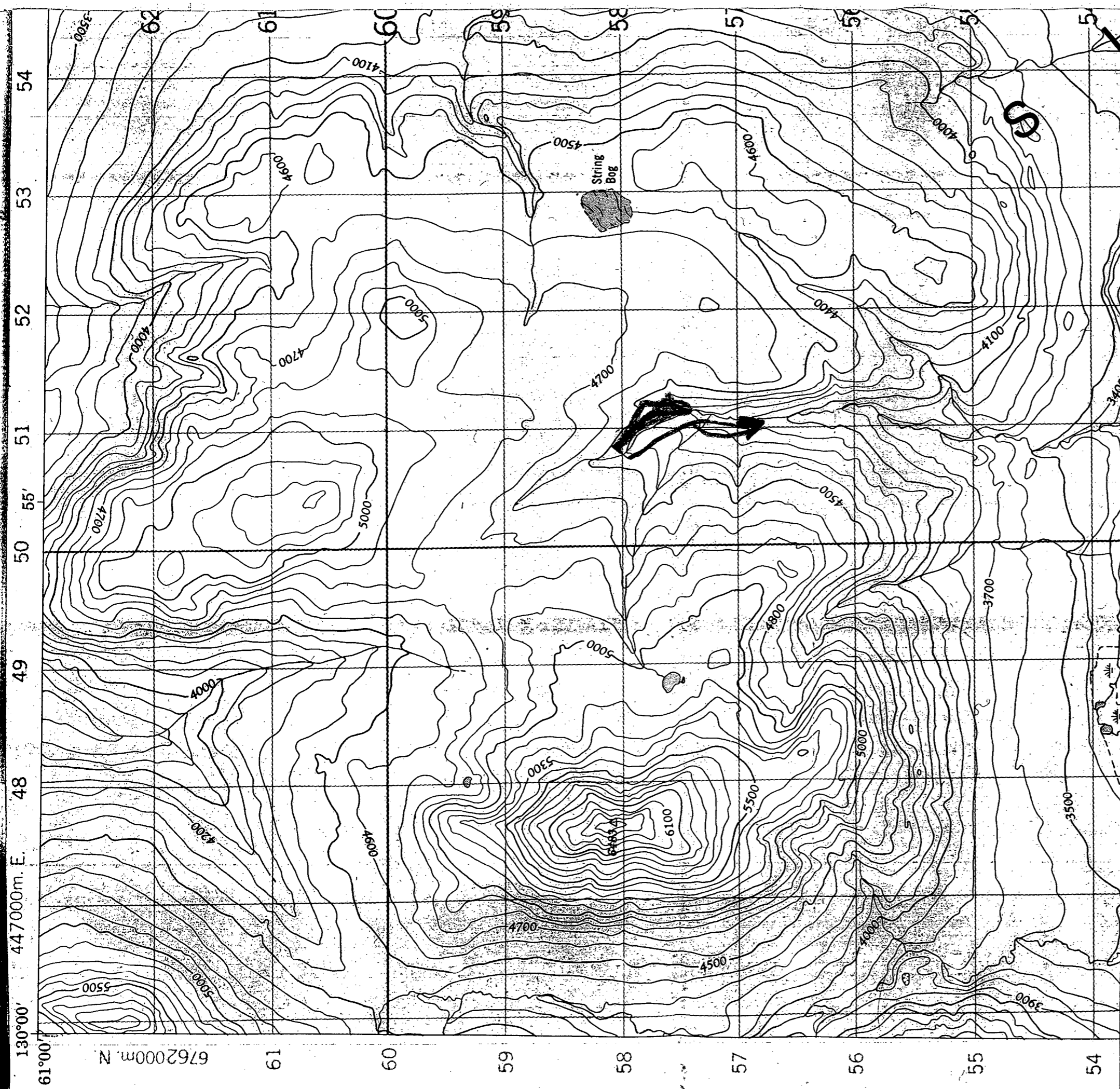
1 Sept 97

2 SEPT 97

4 Sept 97

61°00' N
6762000m N

130°00' E
447000m E

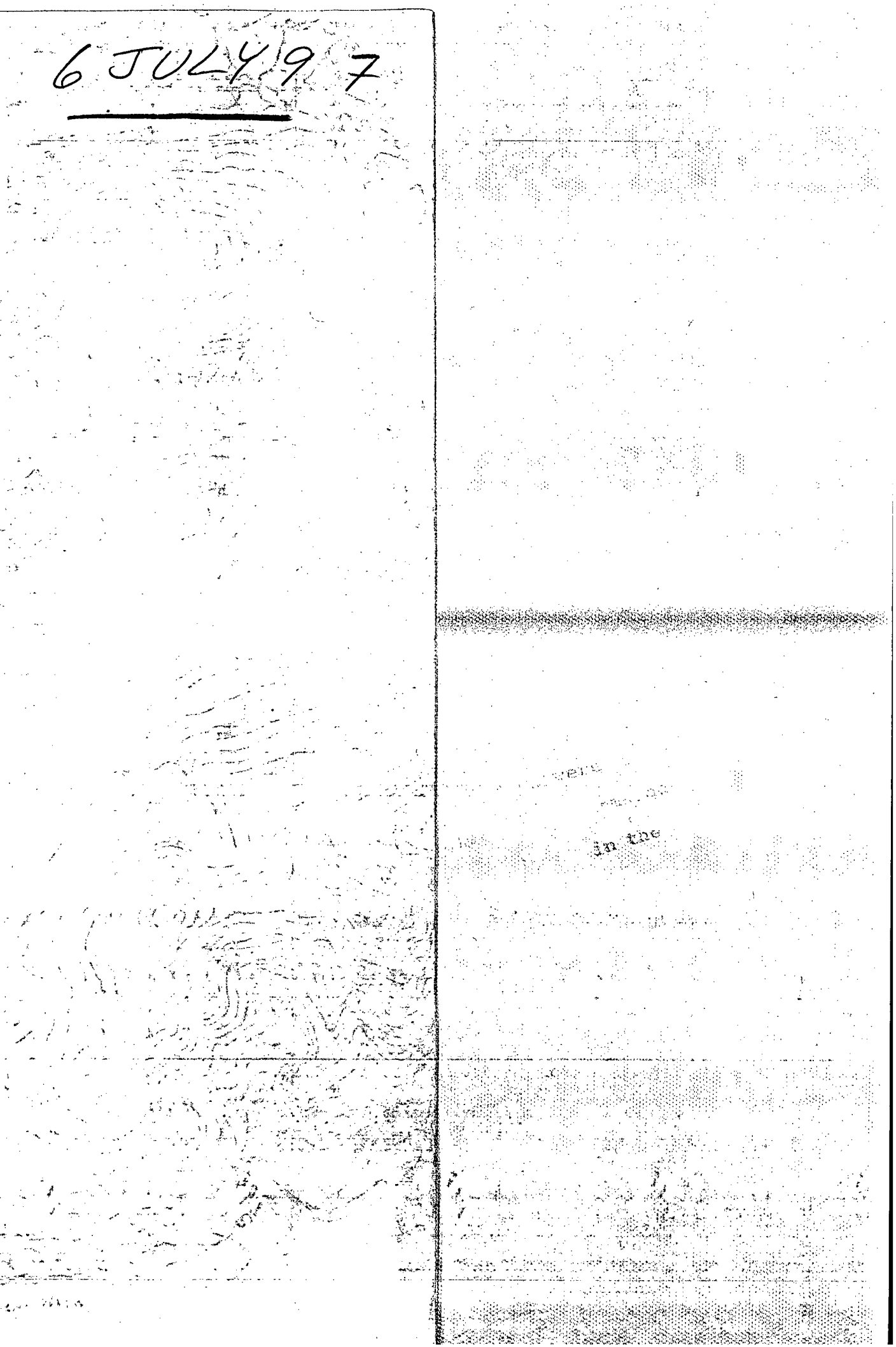
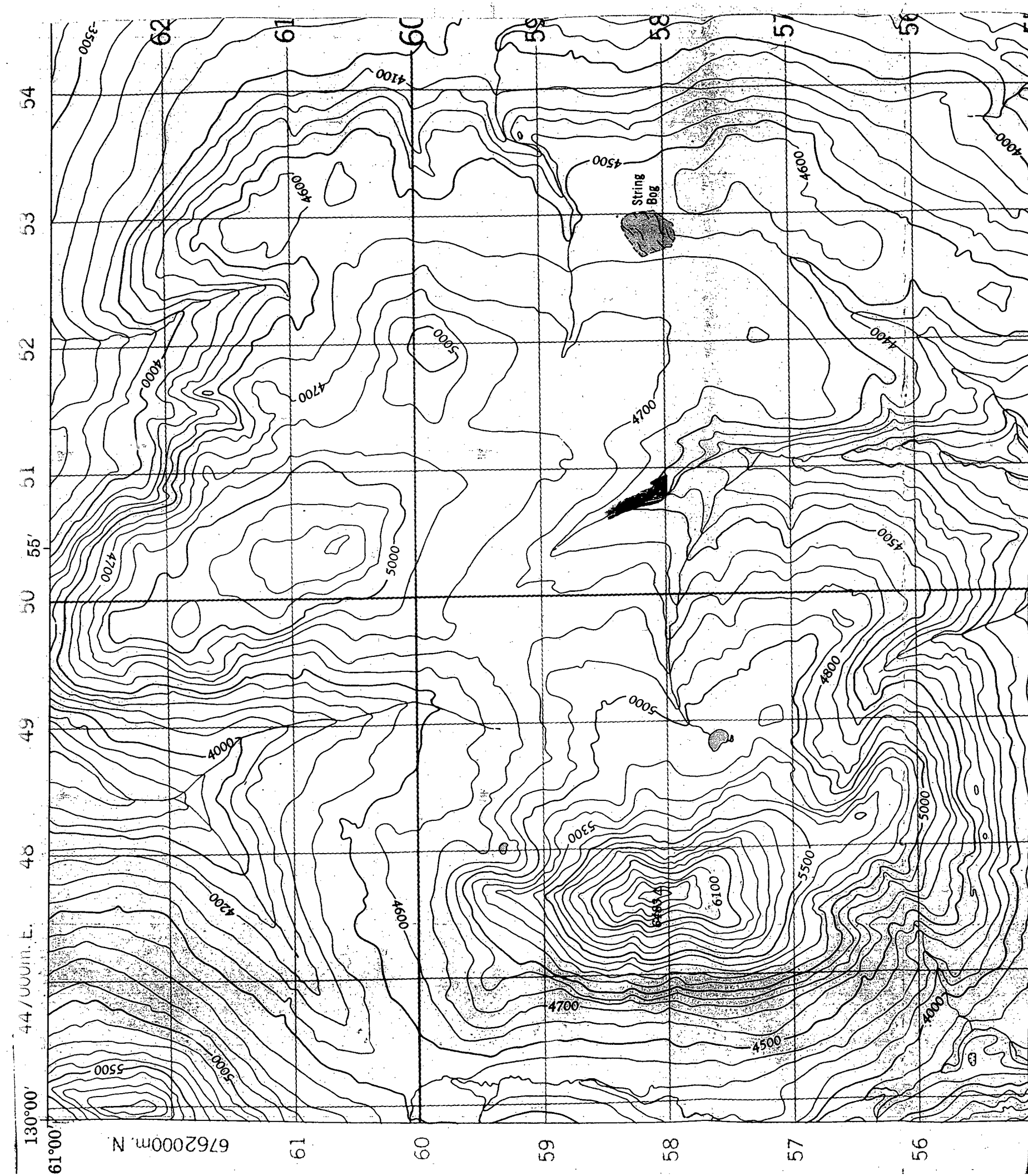


5 SEPT 97

6 SEPT 97

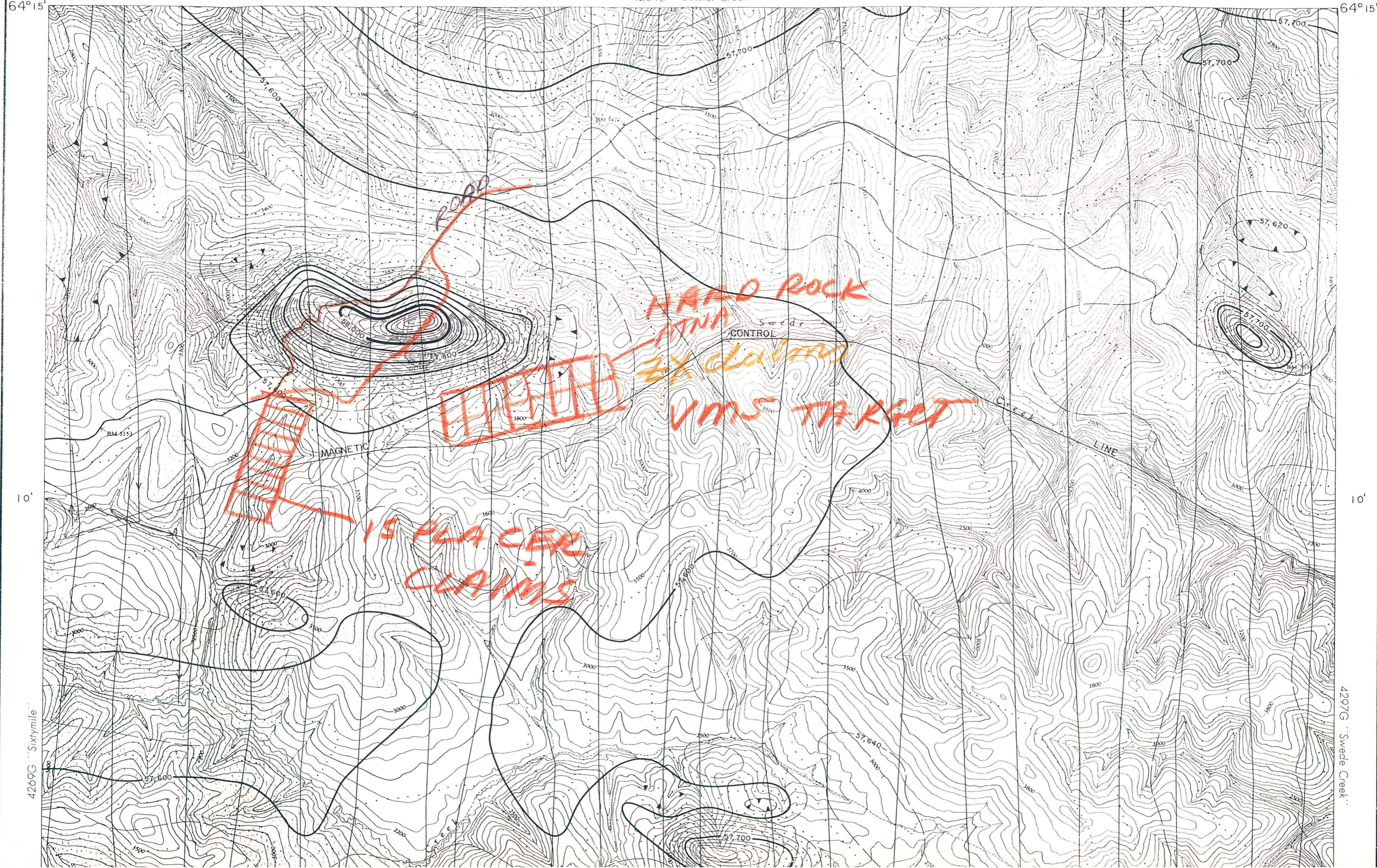
7 SEPT 97

6 JULY 97



140°30' 25' 20' 10' 05' 140°00' 64°15' 64°15'

4284G "Cassiar Creek" **MAP** 4283G



ROAD

HARD ROCK ATNA

ZK CLAIMS

VMS TARGET

IS PLACER CLAIMS

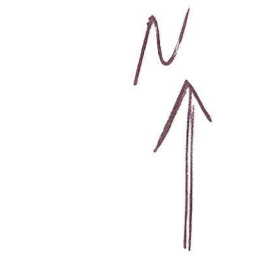
MAGNETIC

CONTROL

LINE

4269G "Sixty Mile"

4297G "Swede Creek"



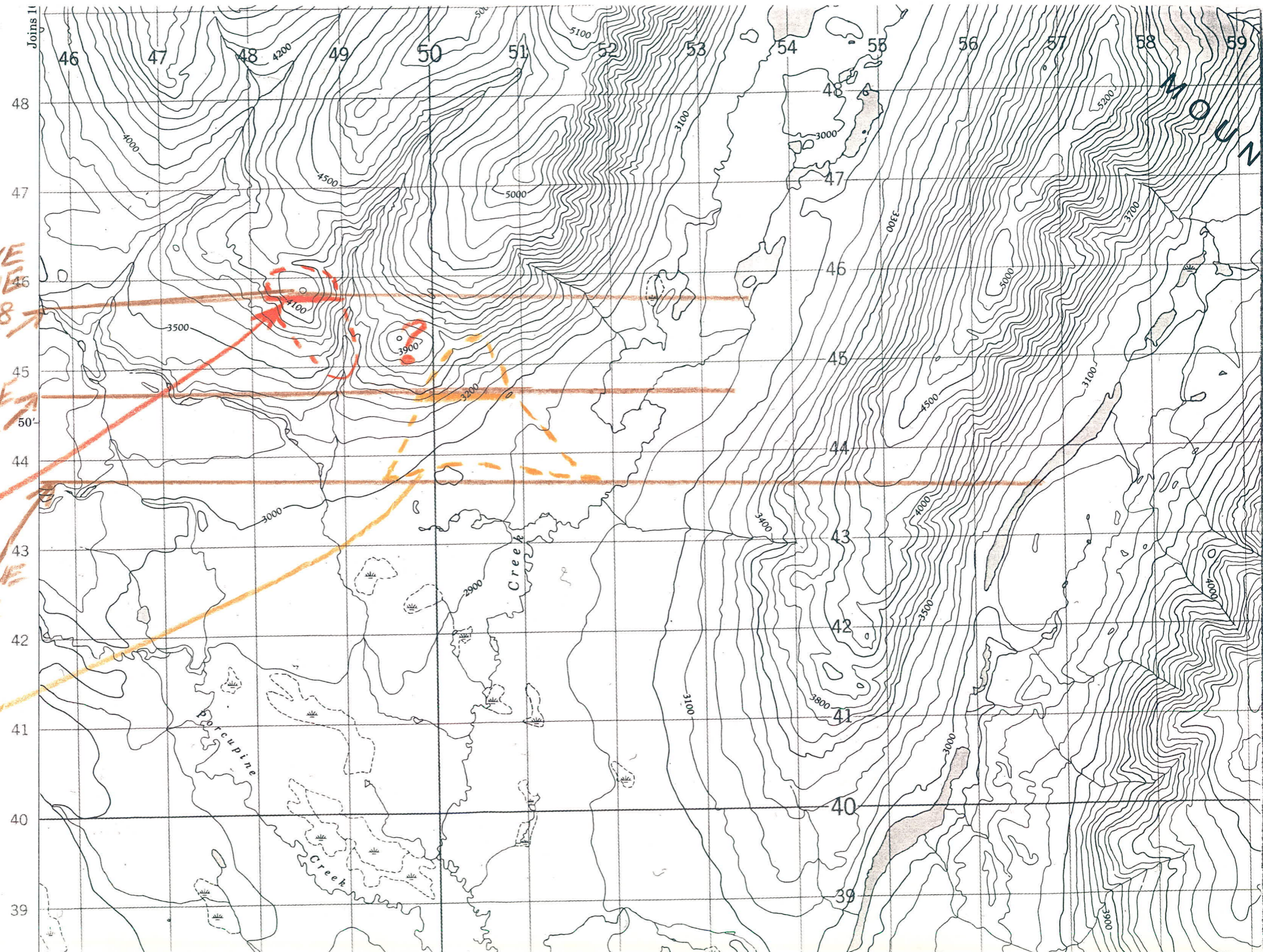
PLANE
LINE
118

10 S A 13 PL
LINE
117

MAG
HIGH

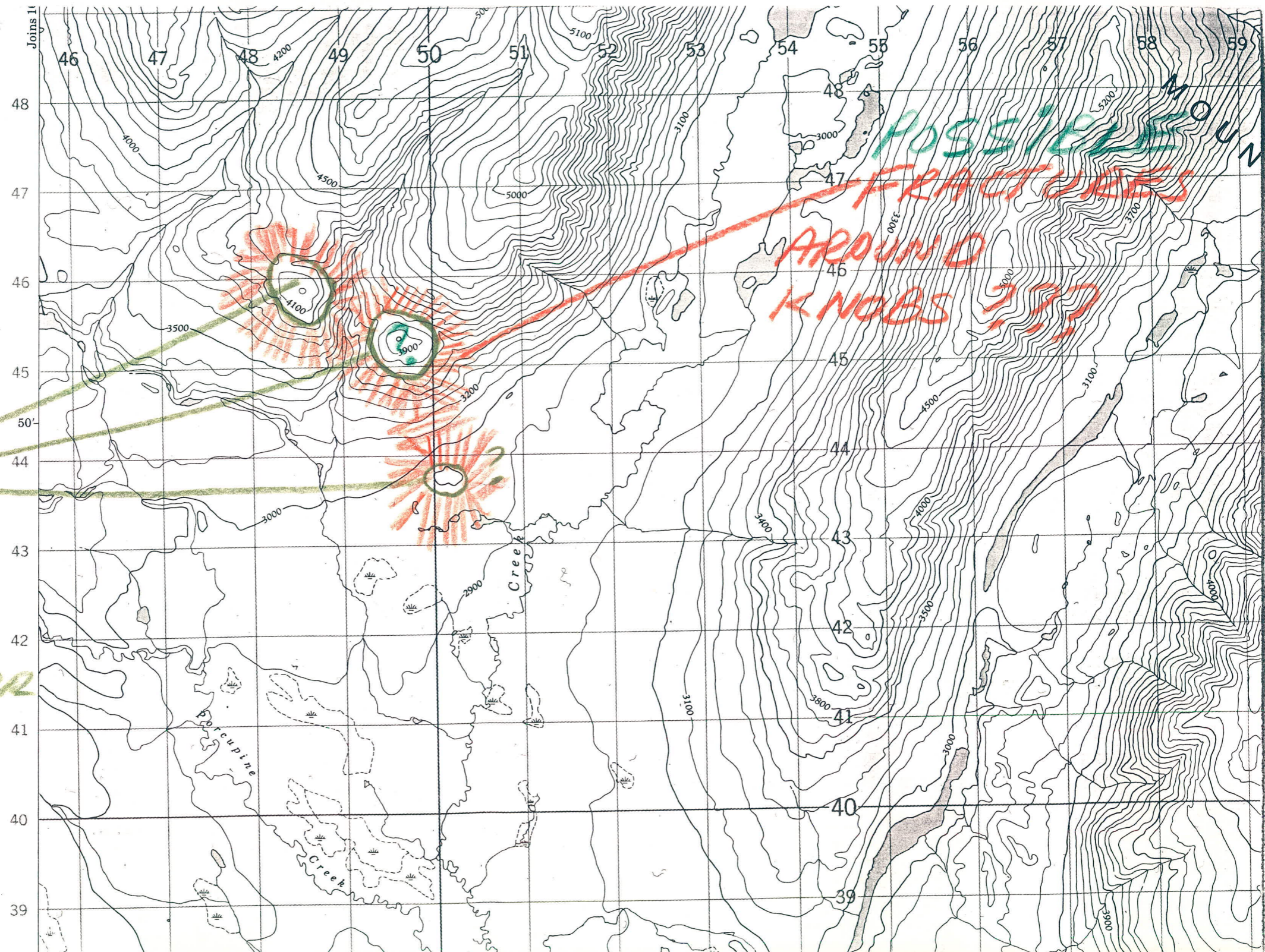
PLANE
LINE
116

MAG
LOW



N
↑
↓
S
105 A13

AREAS
THAT ARE
RESISTANT
TO WEATHERING



MAP 1 - NTS 105A
SAMPLE LOCATION
STREAM SEDIMENT
GSC OPEN FILE 3293
SOUTHEASTERN YUKON 1996

GEOLOGICAL LEGEND

CENOZOIC

11 Felsic to intermediate volcanic rocks; minor tillite and limestone

10 Nonmarine clastic sediments; minor felsic volcanics

PALEOZOIC

9 Mafic to ultramafic rocks and associated marine carbonates and clastics

8 Intermediate to felsic volcanics and associated marine carbonates and clastics

7 Mainly marine carbonates and shales; minor siliceous sediments (chert)

6 Marine and nonmarine clastic sediments; minor limestone and coal

PROTEROZOIC

5 Mainly clastic marine sediments; minor limestone and basalt

4 Mainly siliceous and carboniferous sediments; minor evaporite, mafic volcanics, and iron formation

PLUTONIC ROCKS

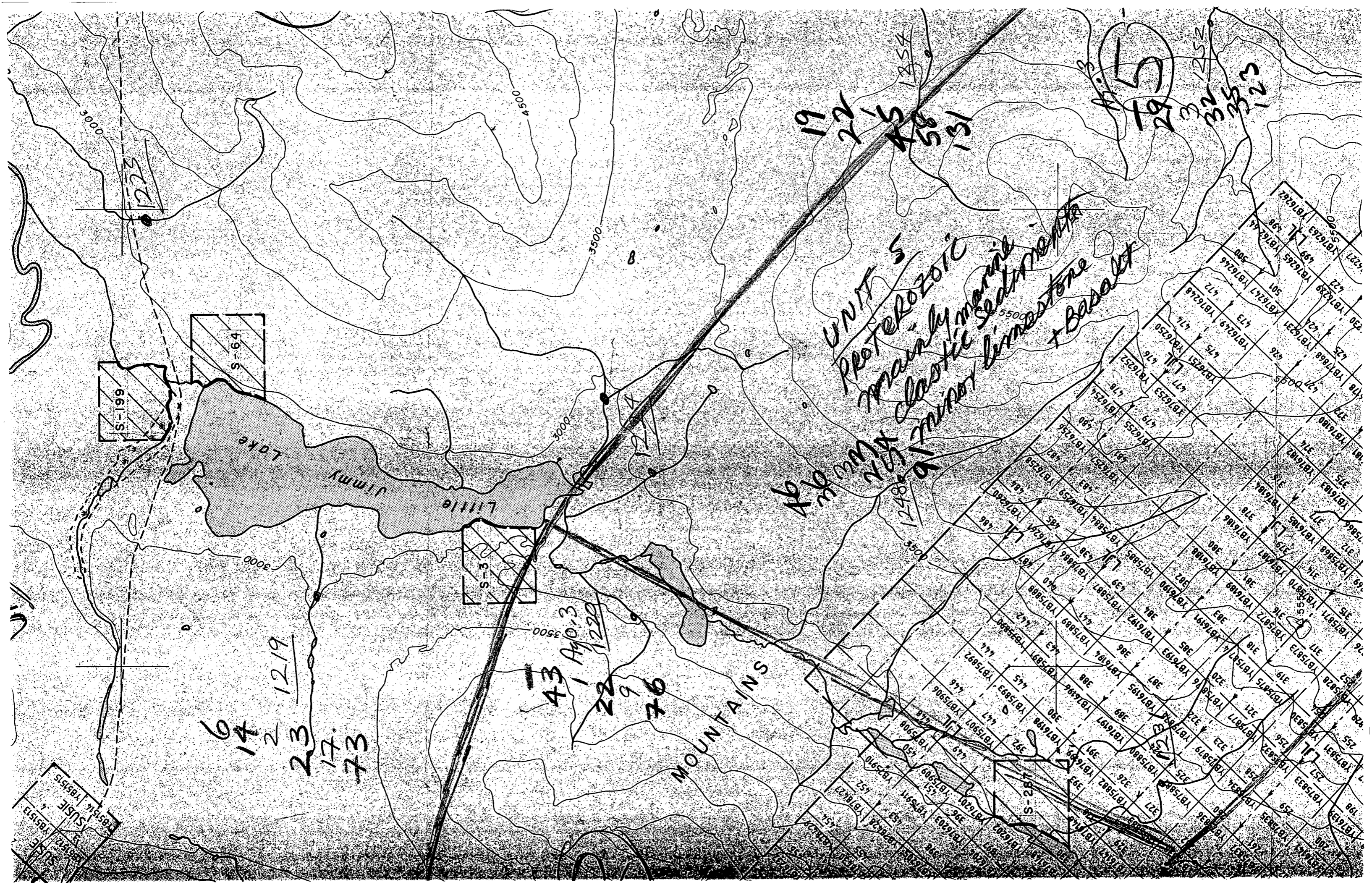
3 Granite, leucogranite, alaskite, quartz monzonite, granophyre

2 Granodiorite, leucogranodiorite, quartz monzonite, quartz diorite, tonalite

1 Ultramafic rocks

— Geological Boundary

Geological base modified from Map 1712A, Tectonic Assemblage Map of the Canadian Cordillera, digital map series.



6
14
2
23
17
73

43
22
9
76

19
22
45
58
131

15
22
32
35
23

UNIT 5
Proterozoic
mainly marine
clastic sediments
+ minor limestone
+ Basalt

MOUNTAINS

Dike

SURFACE
S-199
S-64
S-3
S-2
S-8

Little Jimmy Lake

Grid section numbers: 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

Indian and Northern
Affairs Canada

Affaires indiennes
et du Nord Canada

Northern Affairs
Program

Programme des
affaires du Nord

Mineral Rights

Droits miniers

Canada

Au PPb
As
W } PPM
Cu
Pb
Zn

SILT
CODE

- 28 OCT 94
- 12 OCT 94
- 1 SEPT 94
- 16 AUG 94
- 17 MARCH 93
- 26 NOV 92
- 28 AUG 92
- 19 JUNE 91
- 31 MAY 90
- 10 JAN 90
- 8 NOV 89
- 7 MAY 88
- 1 NOV 88
- 21 SEPT 88
- 16 JAN 88
- 22 OCT 87
- 13 OCT 87
- 5 JAN 87
- 27 OCT 86
- 19 SEPT 86
- 17 MAR 86
- 4 MAR 86
- 14 SEPT 85
- 30 MAY 85
- 25 FEB 85
- 23 JAN 85
- 8 JAN 85
- 24 DEC 84
- 11 DEC 84
- 1 NOV 84
- 2 OCT 84
- 18 SEP 84
- 17 AUG 84
- 26 MAR 96
- 11 MAR 96
- 06 MAR 96
- 29 FEB 96
- 07 DEC 95
- 18 OCT 95
- 19 SEPT 95
- 17 AUG 95
- 14 AUG 95
- 06 FEB 95

UNIT 1
ULTRAMAFIC
ROCKS
Plutonic

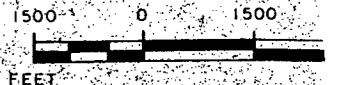
1200 32
8.9

23 Aug 84
12 Jan 73
18 March 63

WATSON LAKE

SHEET
QUA

LATI
LONGI



ISSUED UNDER
INDIAN AFFAIR

130000
51000

UNIT 8

5000
PALEOZOIC
UNIT
VOLCANICS
+ ASSOC
CARBONATES
& CLASTICS
MARINE

8

1

1

1

1213
7
25 Ag 0.7
1
51
12
149

36
49
1199
480
N

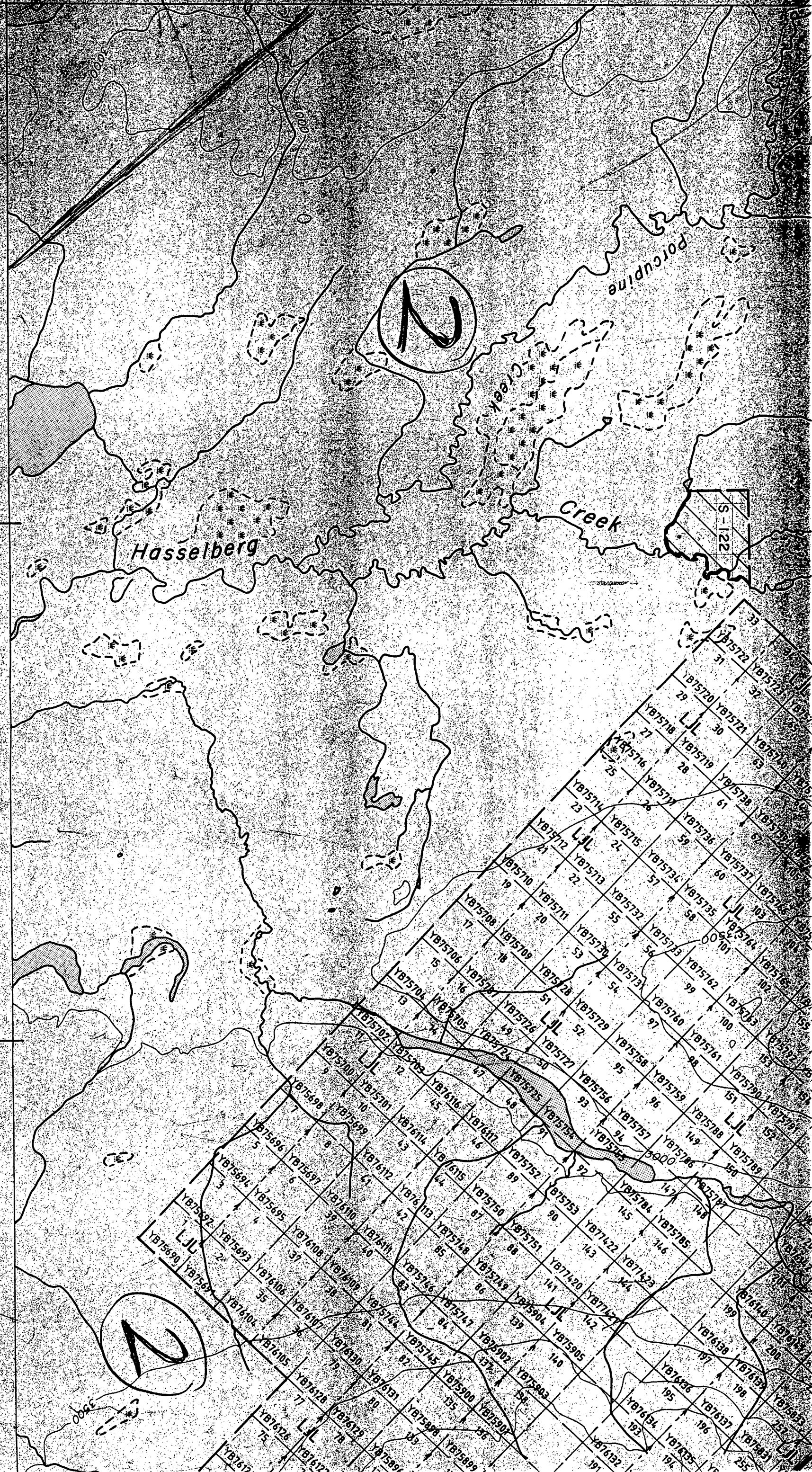
ITCH



30°00'

55'

50'

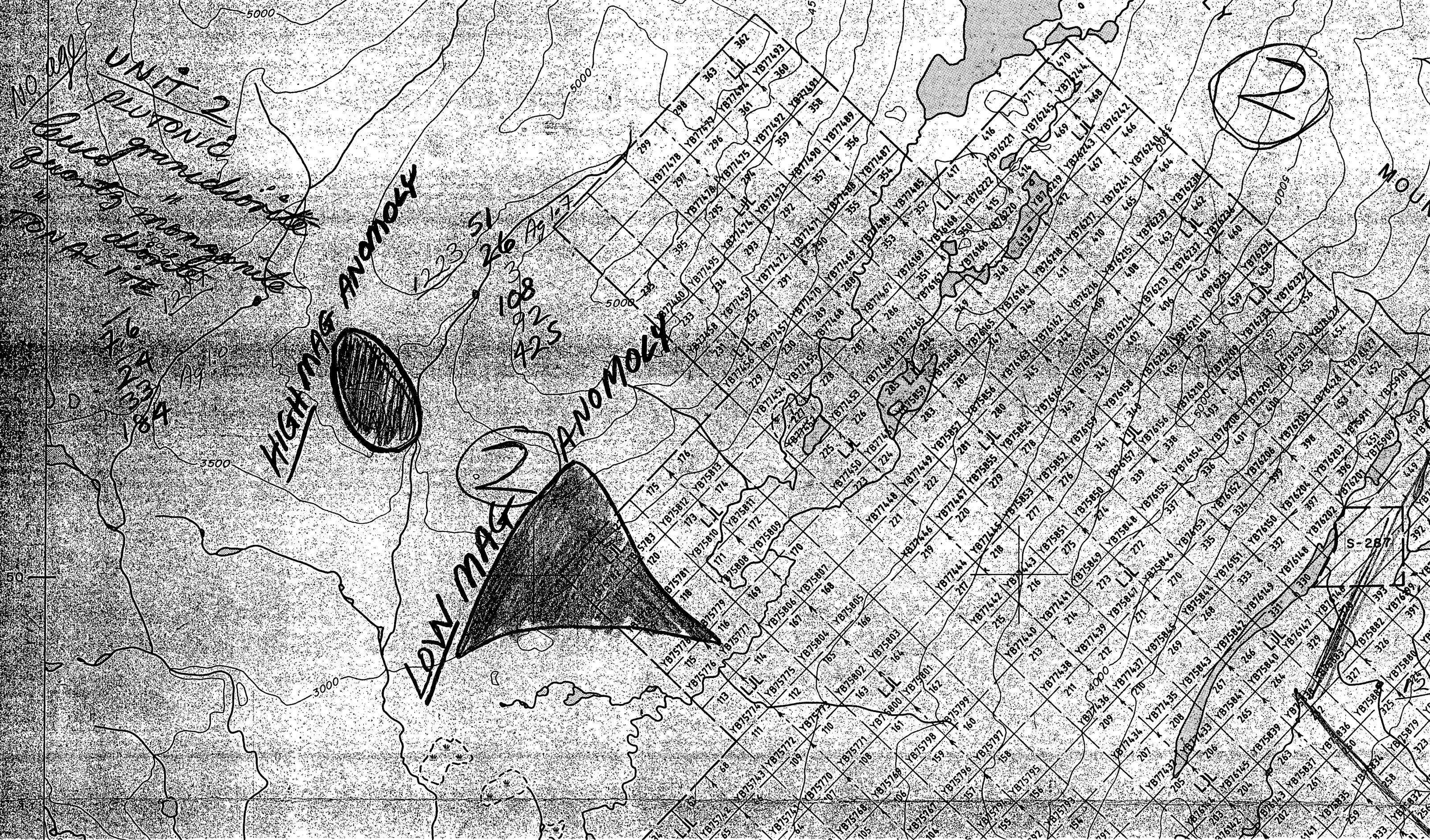


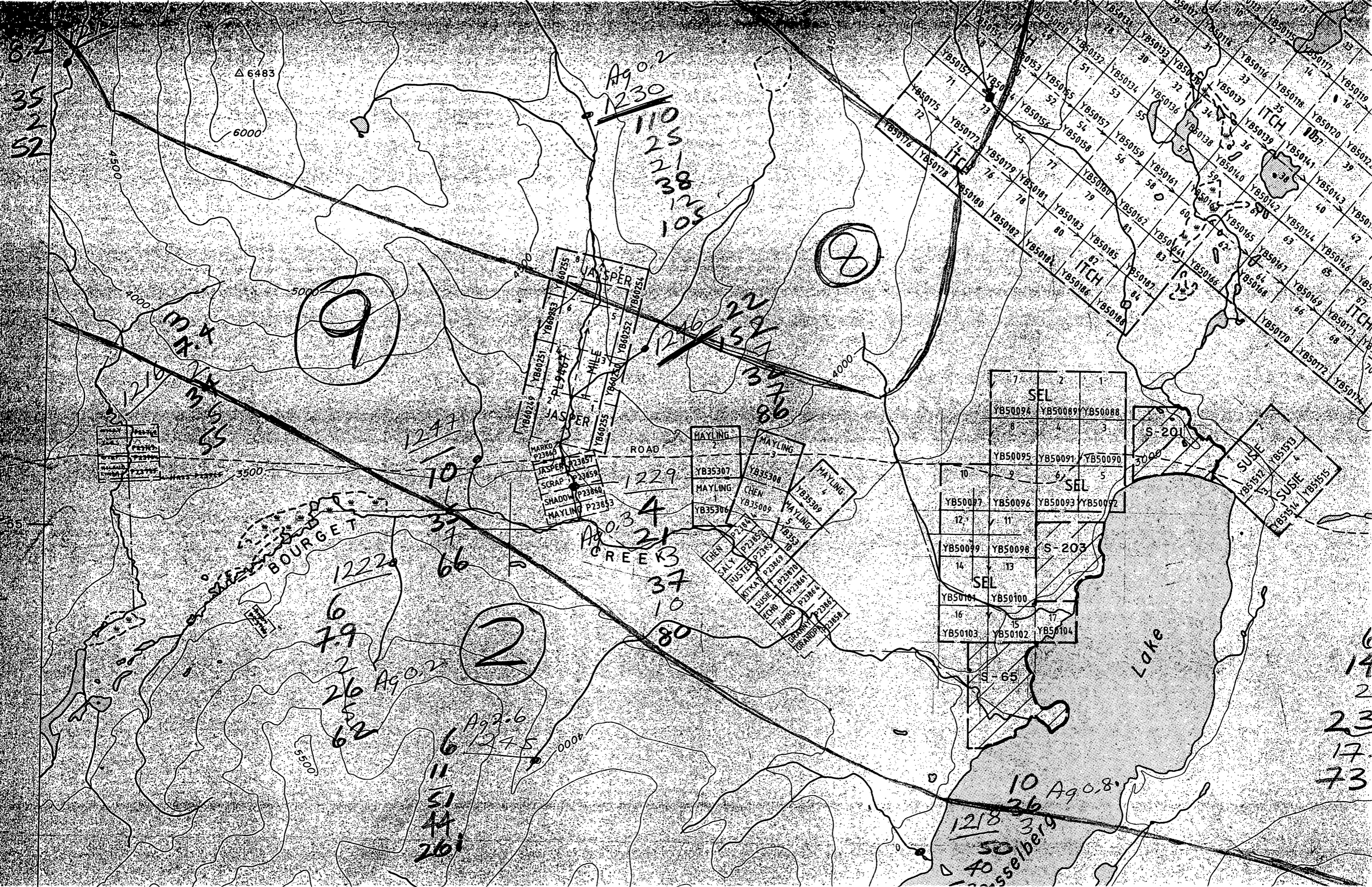
UNIT 2
Quaternary
glacial drift
in anomalous
area

HIGH MAG ANOMALY

LOW MAG ANOMALY

1223
26
108
92
42 S





6.2
35
2
52

Ag 0.2
1230
110
25
21
38
105

9

8

1218
35
2
52

JASPER
MARKO P23865
JASPER P23857
SCRAP P23859
SHADOW P23860
MAYLING P23853

MAYLING
YB35307
MAYLING
YB35308
MAYLING
YB35309
CHEN
YB35009
MAYLING
YB35306
CHEN
P23864
CALY
P23859
RUSTEN
P23863
MAYLING
YB35310
MAYLING
YB35311
MAYLING
YB35312
MAYLING
YB35313
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YB35317
MAYLING
YB35318
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YB35319
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YB35393
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YB35394
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YB35395
MAYLING
YB35396
MAYLING
YB35397
MAYLING
YB35398
MAYLING
YB35399
MAYLING
YB35400

1	2	1
SEL	YB50089	YB50088
6	4	3
YB50095	YB50091	YB50090
10	2	6
SEL	YB50097	YB50096
12	11	5
YB50099	YB50098	S-203
14	13	
SEL	YB50104	YB50100
16	15	17
YB50103	YB50102	YB50104

1	2	1
S-201	YB50152	YB50153
6	4	3
YB50154	YB50151	YB50150
10	2	6
S-202	YB50157	YB50156
12	11	5
YB50159	YB50158	S-203
14	13	
S-204	YB50164	YB50160
16	15	17
YB50163	YB50162	YB50164

1222
6
7.9
2
26
62

2

Ag 0.34
1229
34
21
37
10
80

Ag 2.6
1245
11
51
44
261

10 Ag 0.8
1218
35
2
52
50
40
50

6
14
2
23
17
73

③

105 A 13

Hasselberg Lake

Hasselberg Lake ③

OF THE WORLD
ZN(Ag) VMS
prospect

4
18
12
84
7.6

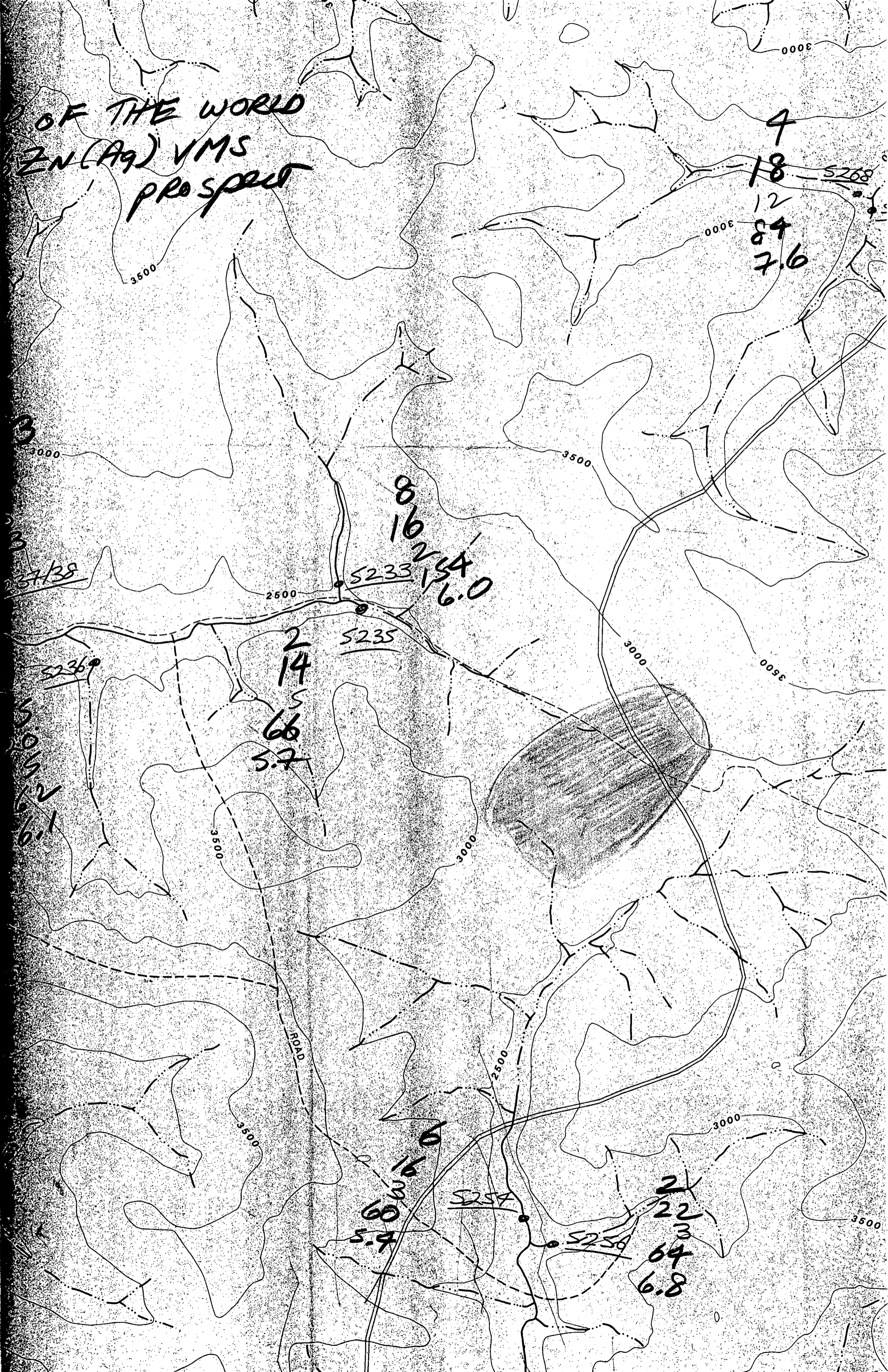
8
16
24
154
6.0

2
14
5
66
5.7

6
16
19
5.9

22
69
6.8

3
37/38
52369
30
62
6.1

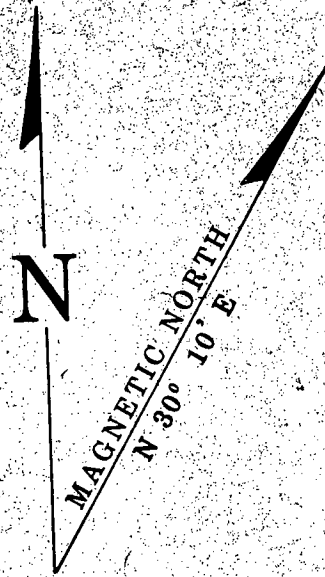
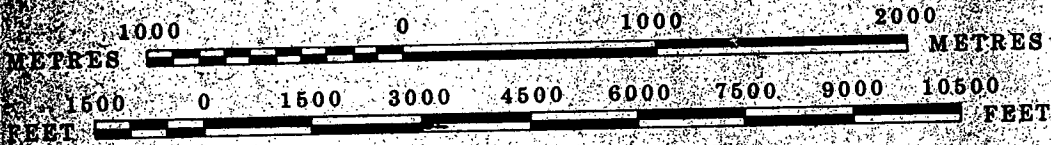


116C-1 QUARTZ

LATITUDE 64° 00' TO 64° 15'
LONGITUDE 140° 00' TO 140° 30'

ISSUED UNDER THE AUTHORITY OF THE MINISTER
OF
INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

SCALE 1:30,000



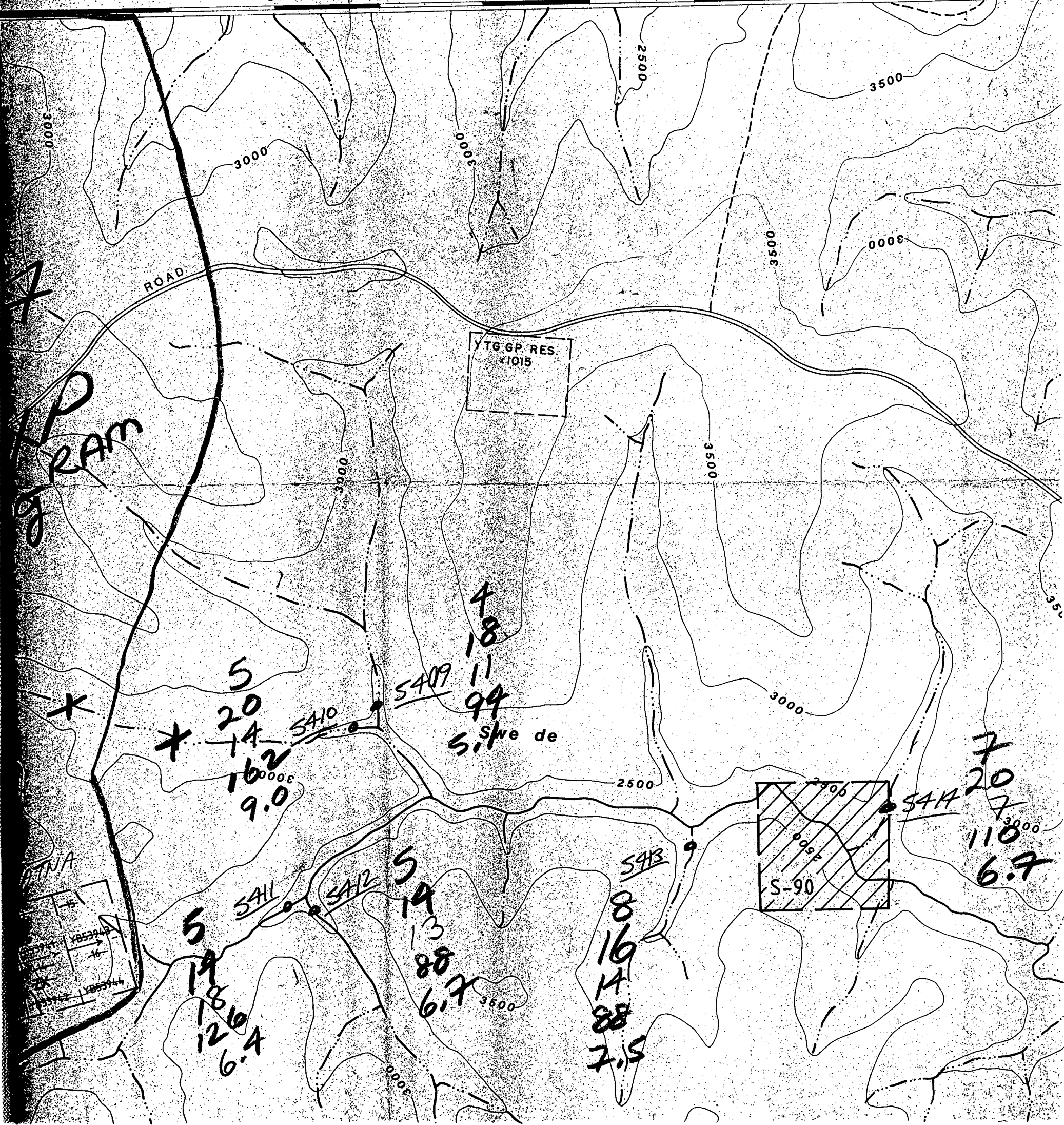
NOTE:

THIS MAP IS FOR WHICH AND NORTH RESPONSIBI OR OMISSIO TOPOGRAPH NATIONAL 7 CONTOUR 11 SURVEY IN) LEGAL SURV

Note: Entry or in cross-hatch of Native Land Surface and S

NOTE: FOR

ILT SAMPLES TO BE TAKEN, IF TIME AVAILABLE



4 SWED DOME



Indian and Northern Affairs Canada
Affaires indiennes et du Nord Canada

1997

Northern Affairs Program

Programme des affaires du Nord

HARD ROCK EXPLORATION

Mineral Rights Droits miniers

Canada

UNIT 24

DARK GREY + BROWN ANDESITE AND BASALT, commonly PORPHYRITIC, minor SHALE, SANDSTONE + CONGLOMERATE

UNIT 21 A

fine to coarse grained uneven texture biotite granodiorite + biotite quartz monzonite

UNIT D

- 28 OCT 96
- 31 JULY 95
- 14 MAY 95
- 11 OCT 93
- 27 AUG 93
- 22 FEB. 93 L
- 27 JULY 92
- 13 NOV 91
- 12 NOV 91
- 03 NOV 90
- 17 SEPT 90
- 06 SEPT 90
- 16 AUG 90

Au PPM
Cu PPM
Pb "
Zn "
As "

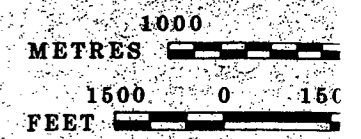
core
SILT
#

all test

13 AUG 90
DAWSON 26 SEPT 86

UNIT NASINA series

SILT SAND



ISSUED UNDER INDIAN ACT

140° 30'
64° 15'



4
30
5
94
52
6
36
3
92

122
7
100
6.9

CLIP
Zn Pb (Ba)
STRABOUND

16
26
23
250
280

1997

EXP RAM
0209

YTG MC.
RES. 1009
Lot 2
YTG GP. RES.
7288

116 C1

④ Swede Dome

Swede dome ④

26 OCT 92
 25 SEP 92
 24 AUG 92
 23 JUL 92
 22 JUN 92
 21 MAY 92
 20 APR 92
 19 MAR 92
 18 FEB 92
 17 JAN 92
 16 DEC 91
 15 NOV 91
 14 OCT 91
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 05 JAN 91
 04 DEC 90
 03 NOV 90
 02 OCT 90
 01 SEP 90
 31 AUG 90
 30 JUL 90
 29 JUN 90
 28 MAY 90
 27 APR 90
 26 MAR 90
 25 FEB 90
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 23 DEC 89
 22 NOV 89
 21 OCT 89
 20 SEP 89

1 **BROWNS CREEK**
1997
PLACER
EXPLORATION
YMIP

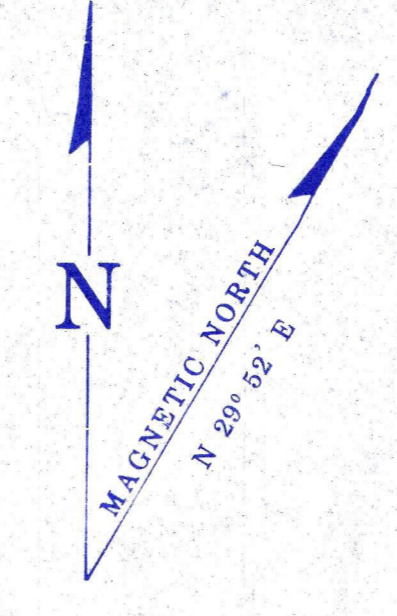
116C-2 PLACER

LATITUDE 64° 00' TO 64° 15'
 LONGITUDE 141° 00' TO 141° 30'

ISSUED UNDER THE AUTHORITY OF THE MINISTER OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

SCALE 1:30,000

METRES 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
 FEET 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000



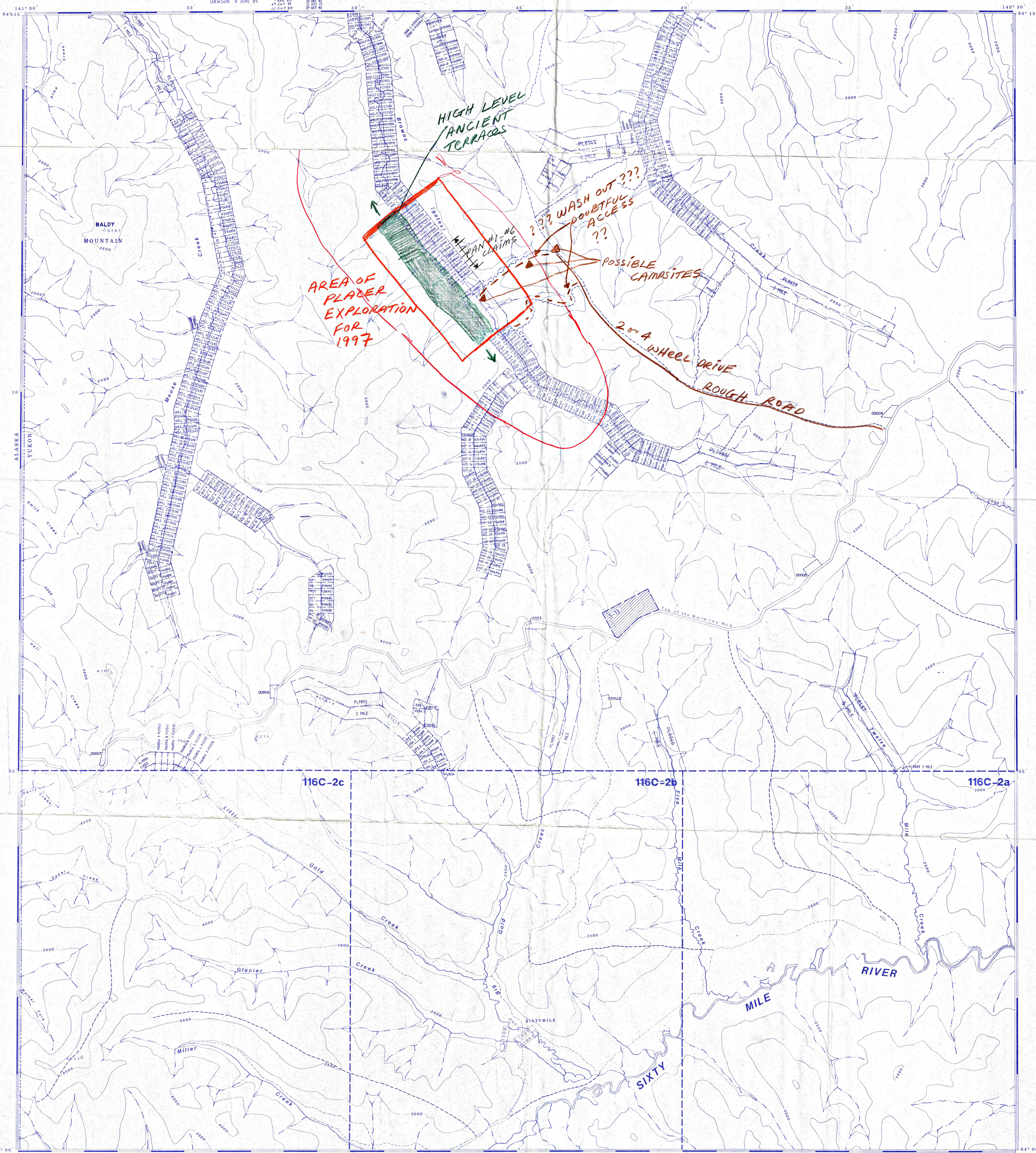
NOTE:
 THIS MAP IS ISSUED AS A PRELIMINARY GUIDE FOR WHICH THE DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT WILL ACCEPT NO RESPONSIBILITY FOR ANY ERRORS, INACCURACIES OR OMISSIONS WHATSOEVER.

TOPOGRAPHY COMPILED FROM 1:50,000 NATIONAL TOPOGRAPHIC SERIES. CONTOUR INTERVAL 500 FEET. SURVEY INFORMATION COMPILED FROM LEGAL SURVEYS, BY DRAFTING SERVICES.

Note: Entry on certain lands is withdrawn from staking in cross-hatched areas to facilitate the settlement of Native Land Claims without prejudice to Existing Surface and Subsurface Rights.

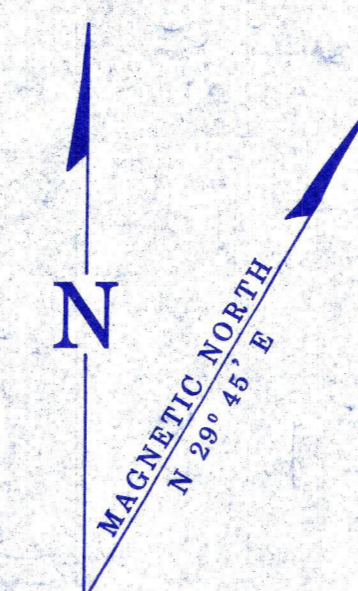
FOR QUARTZ SEE 116C-2
 FOR PLACER WITHIN DASHED LINES SEE 1:30,000

ALASKA	116C-7	116C-8
	116C-2	116C-1
	116N-15	116N-16



(2) SUNSHINE
Recent CREEK
1997
HARD
ROCK
EXPLORATION

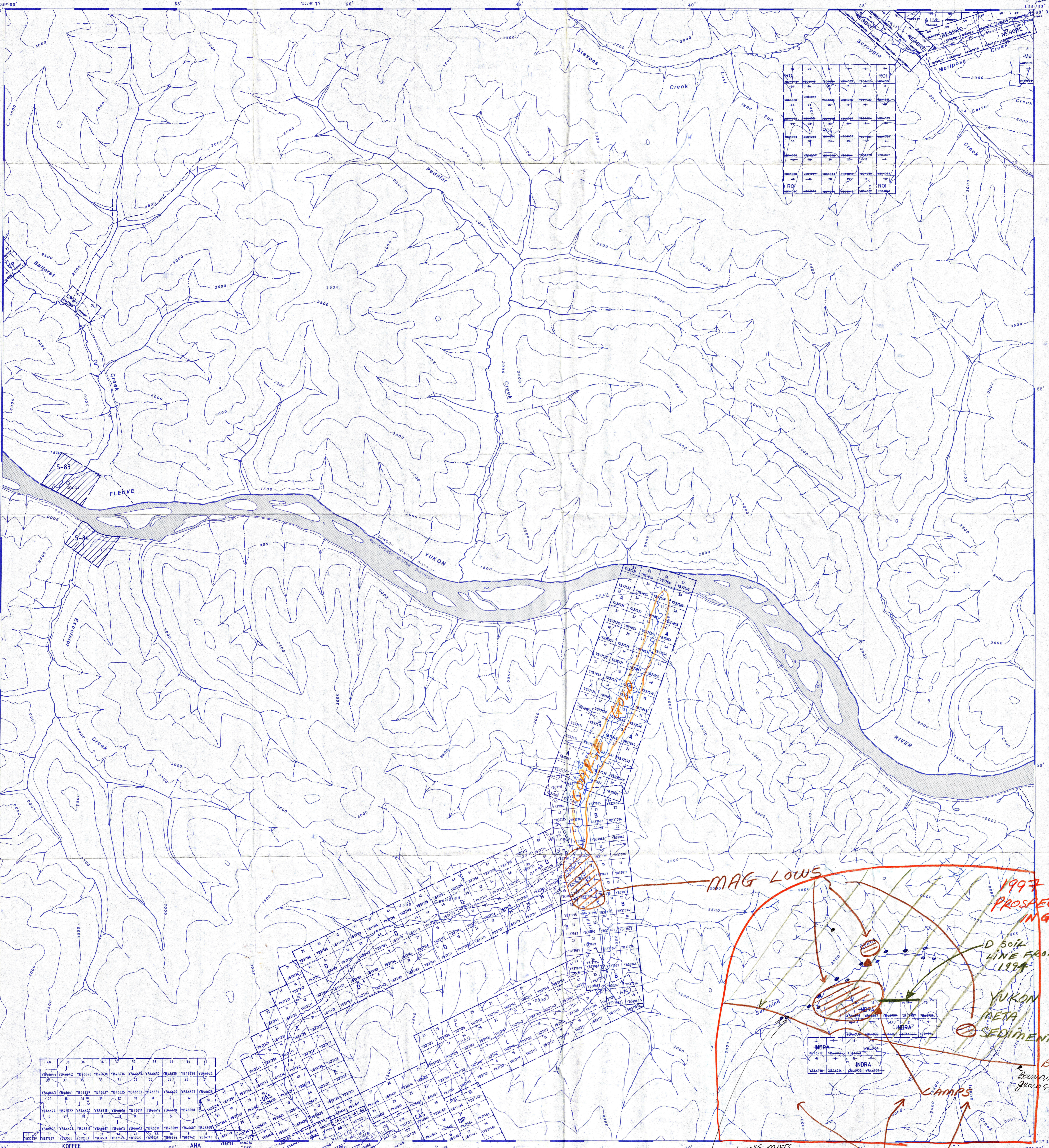
115J-15
QUARTZ
 LATITUDE 62° 45' TO 63° 00'
 LONGITUDE 138° 46' TO 139° 00'
 ISSUED UNDER THE AUTHORITY OF THE MINISTER
 OF
 INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
 SCALE 1:30,000



NOTE:
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 FOR WHICH THE DEPARTMENT OF INDIAN AFFAIRS
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 TOPOGRAPHY COMPILED FROM 1:50,000
 NATIONAL TOPOGRAPHIC SERIES.
 CONTOUR INTERVAL 500 FEET.
 SURVEY INFORMATION COMPILED FROM
 LEGAL SURVEYS, BY DRAFTING SERVICES.
 Note: Entry on certain land is withdrawn from staking
 in cross-hatched areas to facilitate the settlement
 of Native Land Claims without prejudice to Existing
 Surface and Subsurface Rights.

1150-3	1150-2	1150-1
1153-14	1153-15	1153-16
1153-11	1153-10	1153-9

FOR PLACER SEE 115J-16p1.



10	8	36	34	32	30	28	26	24	22
YB44644	YB44642	YB44640	YB44638	YB44636	YB44634	YB44632	YB44630	YB44628	YB44626
39	37	35	33	31	29	27	25	23	21
YB44624	YB44622	YB44620	YB44618	YB44616	YB44614	YB44612	YB44610	YB44608	YB44606
20	18	16	14	12	10	8	6	4	2
YB44604	YB44602	YB44600	YB44598	YB44596	YB44594	YB44592	YB44590	YB44588	YB44586
1	1	1	1	1	1	1	1	1	1
YB44584	YB44582	YB44580	YB44578	YB44576	YB44574	YB44572	YB44570	YB44568	YB44566
19	17	15	13	11	9	7	5	3	1
YB44564	YB44562	YB44560	YB44558	YB44556	YB44554	YB44552	YB44550	YB44548	YB44546
10	8	6	4	2	1	1	1	1	1
YB44544	YB44542	YB44540	YB44538	YB44536	YB44534	YB44532	YB44530	YB44528	YB44526
19	17	15	13	11	9	7	5	3	1
YB44524	YB44522	YB44520	YB44518	YB44516	YB44514	YB44512	YB44510	YB44508	YB44506
10	8	6	4	2	1	1	1	1	1
YB44504	YB44502	YB44500	YB44498	YB44496	YB44494	YB44492	YB44490	YB44488	YB44486
19	17	15	13	11	9	7	5	3	1
YB44484	YB44482	YB44480	YB44478	YB44476	YB44474	YB44472	YB44470	YB44468	YB44466
10	8	6	4	2	1	1	1	1	1
YB44464	YB44462	YB44460	YB44458	YB44456	YB44454	YB44452	YB44450	YB44448	YB44446
19	17	15	13	11	9	7	5	3	1
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10	8	6	4	2	1	1	1	1	1
YB44424	YB44422	YB44420	YB44418	YB44416	YB44414	YB44412	YB44410	YB44408	YB44406
19	17	15	13	11	9	7	5	3	1
YB44404	YB44402	YB44400	YB44398	YB44396	YB44394	YB44392	YB44390	YB44388	YB44386
10	8	6	4	2	1	1	1	1	1
YB44384	YB44382	YB44380	YB44378	YB44376	YB44374	YB44372	YB44370	YB44368	YB44366
19	17	15	13	11	9	7	5	3	1
YB44364	YB44362	YB44360	YB44358	YB44356	YB44354	YB44352	YB44350	YB44348	YB44346
10	8	6	4	2	1	1	1	1	1
YB44344	YB44342	YB44340	YB44338	YB44336	YB44334	YB44332	YB44330	YB44328	YB44326
19	17	15	13	11	9	7	5	3	1
YB44324	YB44322	YB44320	YB44318	YB44316	YB44314	YB44312	YB44310	YB44308	YB44306
10	8	6	4	2	1	1	1	1	1
YB44304	YB44302	YB44300	YB44298	YB44296	YB44294	YB44292	YB44290	YB44288	YB44286
19	17	15	13	11	9	7	5	3	1
YB44284	YB44282	YB44280	YB44278	YB44276	YB44274	YB44272	YB44270	YB44268	YB44266
10	8	6	4	2	1	1	1	1	1
YB44264	YB44262	YB44260	YB44258	YB44256	YB44254	YB44252	YB44250	YB44248	YB44246
19	17	15	13	11	9	7	5	3	1
YB44244	YB44242	YB44240	YB44238	YB44236	YB44234	YB44232	YB44230	YB44228	YB44226
10	8	6	4	2	1	1	1	1	1
YB44224	YB44222	YB44220	YB44218	YB44216	YB44214	YB44212	YB44210	YB44208	YB44206
19	17	15	13	11	9	7	5	3	1
YB44204	YB44202	YB44200	YB44198	YB44196	YB44194	YB44192	YB44190	YB44188	YB44186
10	8	6	4	2	1	1	1	1	1
YB44184	YB44182	YB44180	YB44178	YB44176	YB44174	YB44172	YB44170	YB44168	YB44166
19	17	15	13	11	9	7	5	3	1
YB44164	YB44162	YB44160	YB44158	YB44156	YB44154	YB44152	YB44150	YB44148	YB44146
10	8	6	4	2	1	1	1	1	1
YB44144	YB44142	YB44140	YB44138	YB44136	YB44134	YB44132	YB44130	YB44128	YB44126
19	17	15	13	11	9	7	5	3	1
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YB44104	YB44102	YB44100	YB44098	YB44096	YB44094	YB44092	YB44090	YB44088	YB44086
19	17	15	13	11	9	7	5	3	1
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YB44064	YB44062	YB44060	YB44058	YB44056	YB44054	YB44052	YB44050	YB44048	YB44046
19	17	15	13	11	9	7	5	3	1
YB44044	YB44042	YB44040	YB44038	YB44036	YB44034	YB44032	YB44030	YB44028	YB44026
10	8	6	4	2	1	1	1	1	1
YB44024	YB44022	YB44020	YB44018	YB44016	YB44014	YB44012	YB44010	YB44008	YB44006
19	17	15	13	11	9	7	5	3	1
YB44004	YB44002	YB44000	YB43998	YB43996	YB43994	YB43992	YB43990	YB43988	YB43986

SILT / MOSS MATS SAMPLES
 GRANODIORITE
 BOY BOUNDARY GEOLOGY
 CAMP
 YUKON META SEDIMENTS
 D SOIL LINE FROM 1994
 1997 PROSPECTING
 MAG LOWS

• SILT SAMPLES (OR MOSS MATS)

③ HASSELBERG LAKE
1997
HARD ROCK EXPLORATION (A+B)

SHEET 105A-13
QUARTZ & PLACER
 LATITUDE 60° 45' to 61° 00'
 LONGITUDE 129° 30' to 130° 00'
 SCALE 1:31,680
 ISSUED UNDER THE AUTHORITY OF THE MINISTER OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

NOTICE

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 TOPOGRAPHY COMPILED FROM 1:50,000 NATIONAL TOPOGRAPHIC SERIES. CONTOUR INTERVAL 500 FEET.
 Note: Entry on certain lands is withdrawn from staking in cross-hatched areas to facilitate the settlement of Native Land Claims without prejudice to Existing Surface and Subsurface Rights.

105G-1	105H-4	105H-3
105B-16	105A-13	105A-14
105B-9	105A-12	105A-11

18 OCT 74
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 DAWSON 28 SEPT 86

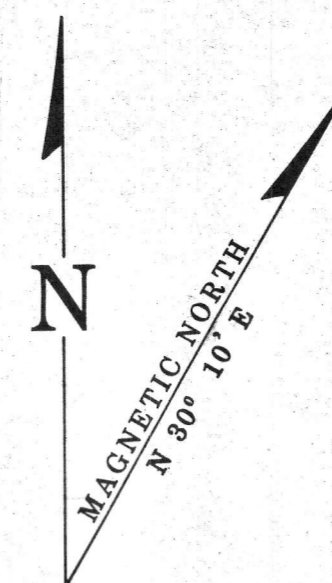
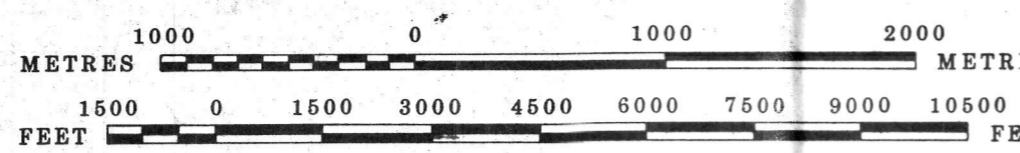
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116C-1 PLACER

LATITUDE 64° 00' TO 64° 15'
 LONGITUDE 140° 00' TO 140° 30'

ISSUED UNDER THE AUTHORITY OF THE MINISTER
 OF
 INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

SCALE 1:30,000



NOTE:

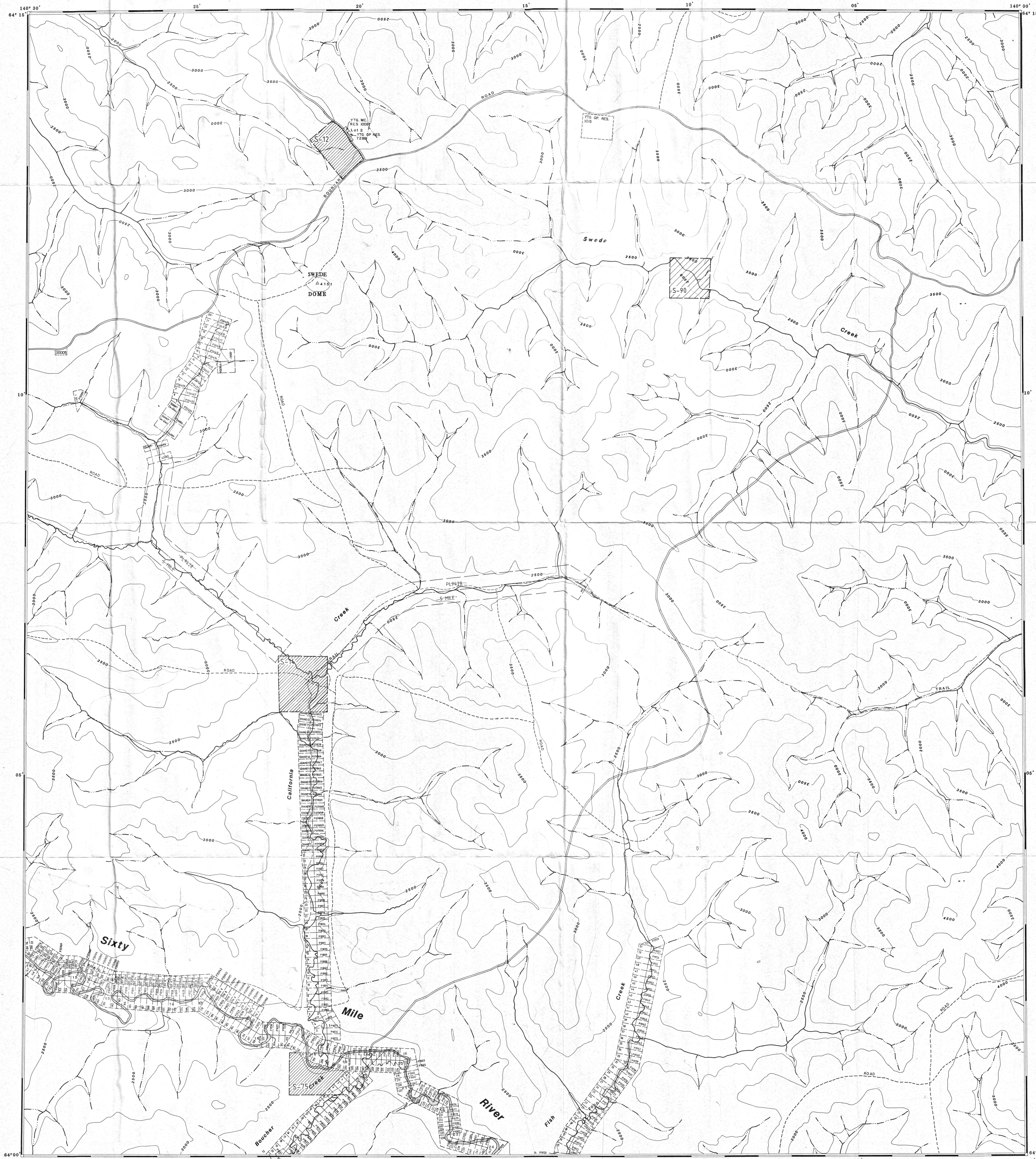
THIS MAP IS ISSUED AS A PRELIMINARY GUIDE FOR WHICH THE DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT WILL ACCEPT NO RESPONSIBILITY FOR ANY ERRORS, INACCURACIES OR OMISSIONS WHATSOEVER.

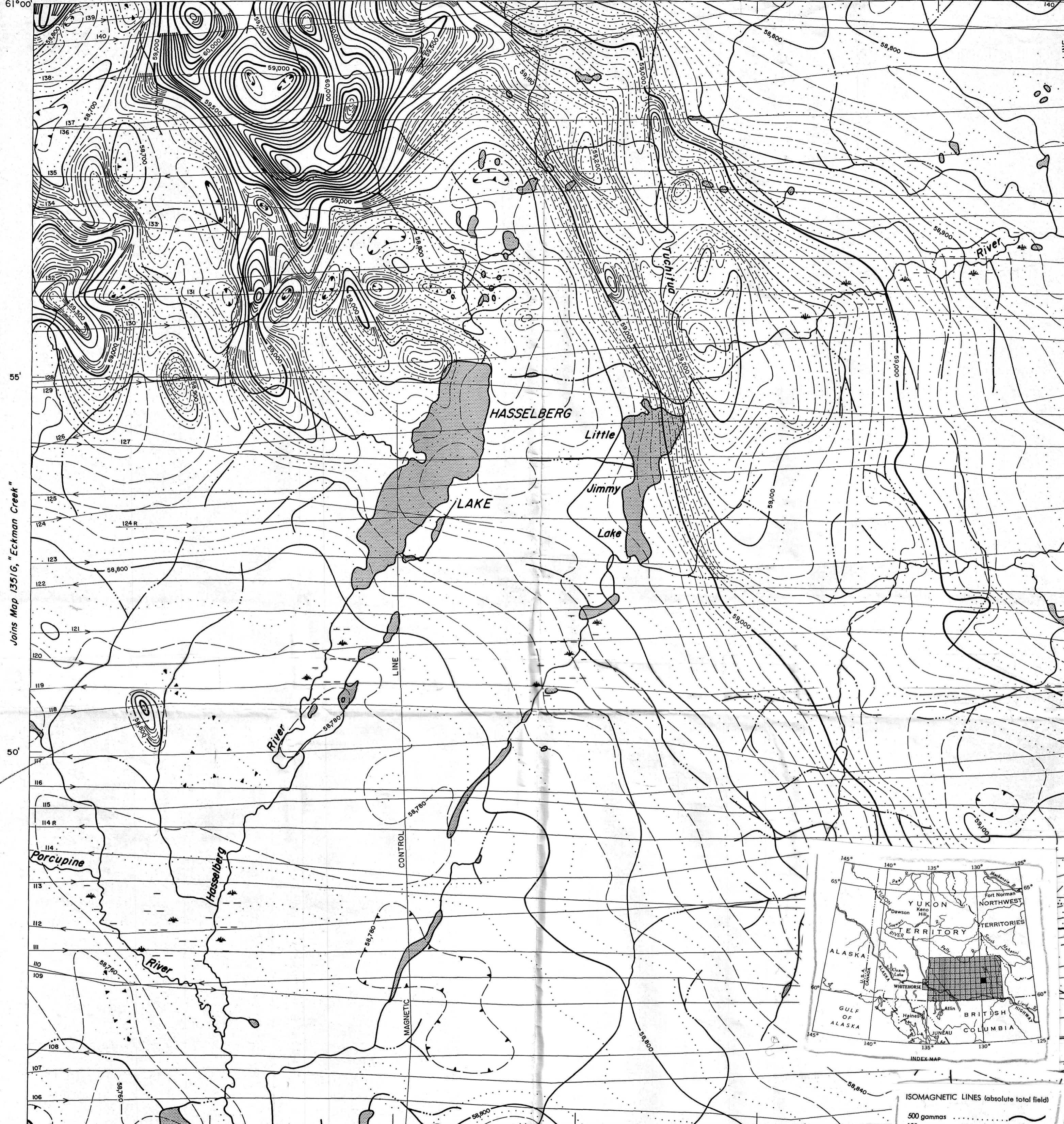
TOPOGRAPHY COMPILED FROM 1:50,000 NATIONAL TOPOGRAPHIC SERIES. CONTOUR INTERVAL 500 FEET. SURVEY INFORMATION COMPILED FROM LEGAL SURVEYS, BY DRAFTING SERVICES.

Note: Entry on certain lands is withdrawn from staking in cross-hatched areas to facilitate the settlement of Native Land Claims without prejudice to Existing Surface and Subsurface Rights.

NOTE: FOR QUARTZ CLAIMS SEE 116C1

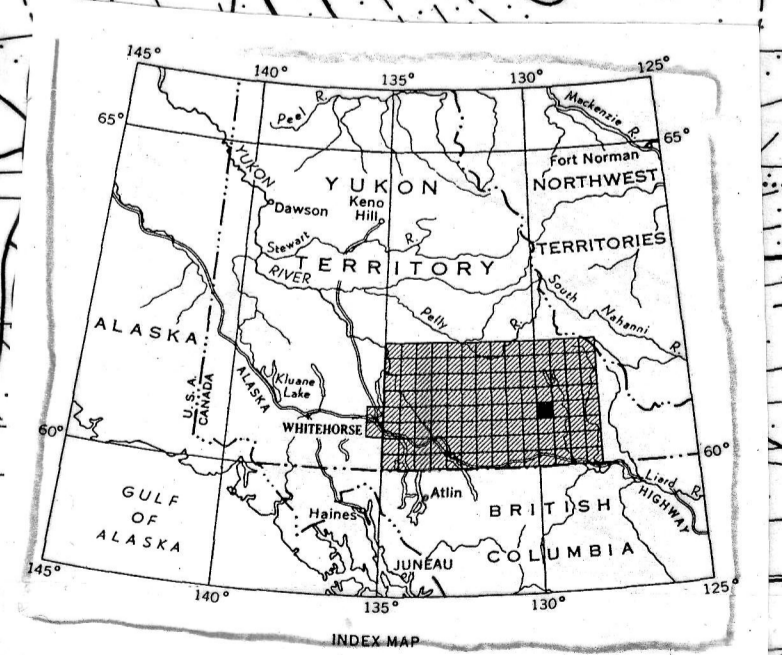
116C-7	116C-8	116B-6
116C-2	116C-1	116B-4
116N-15	116N-16	116O-13





Joins Map 1351G, "Eckman Creek"

Joins Map 1331G, "Twin Lakes"



ISOMAGNETIC LINES (absolute total field)

- 500 gammas
- 100 gammas
- 20 gammas
- 10 gammas
- Magnetic depression

Flight lines

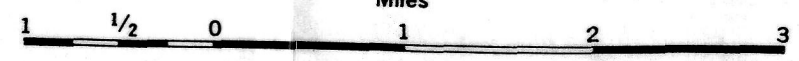
Flight altitude: nominally 1000 feet above ground level where terrain permitted.

MAP 1352G

HASSELBERG LAKE

YUKON TERRITORY

Scale: One Inch to One Mile = $\frac{1}{63,360}$ Miles



105 A 13

Airborne Magnetic Survey, June to September, 1961, by Aero Surveys Ltd.

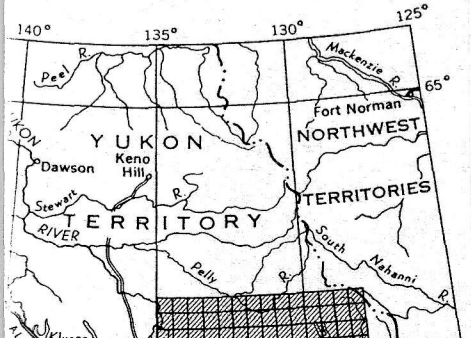
No correction has been made for regional variation.

The planimetry for this map was obtained from topographical map sheets, published by the Department of Mines and Technical Surveys.

The magnetic data recorded along the flight magnetic contours are depths below the surface the presence of basic rock have a relatively high iron or partly due, to concern the magnetic anomalies.

ISOMAGNETIC LINES (absolute total field)

- 500 gammas
- 100 gammas
- 20 gammas
- 10 gammas
- Magnetic depression



Mineral Rights Droits miniers

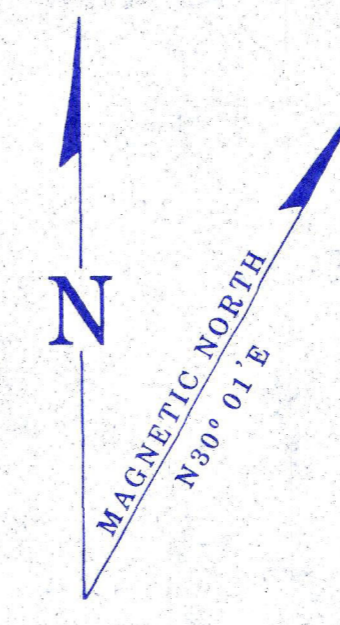
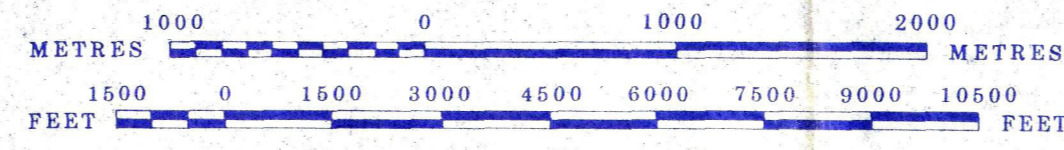
Canada

UNPUBLISHED
 GEOLOGY FROM
 MORTENSON
 METAVOLCANICS

115N-15 QUARTZ

LATITUDE 63° 45' TO 64° 00'
 LONGITUDE 140° 30' TO 141° 00'
 ISSUED UNDER THE AUTHORITY OF THE MINISTER
 OF
 INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

SCALE 1:30,000



NOTE:

THIS MAP IS ISSUED AS A PRELIMINARY GUIDE FOR WHICH THE DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT WILL ACCEPT NO RESPONSIBILITY FOR ANY ERRORS, INACCURACIES OR OMISSIONS WHATSOEVER.

TOPOGRAPHY COMPILED FROM 1:50,000 NATIONAL TOPOGRAPHIC SERIES. CONTOUR INTERVAL 500 FEET. SURVEY INFORMATION COMPILED FROM LEGAL SURVEYS, BY DRAFTING SERVICES.

115N-15	115N-16
115N-10	115N-9

DAWSON 28 JULY 89

FOR PLACER WITHIN DASHED LINES SEE 1:10,000
 FOR PLACER SEE 115N-15PL



