

YEMP
97-040
1997

Prospecting Report for the 1997 Yukon Mining Incentives Program

97-040

Prospector: Gary Grant

NTS Map Sheet of Project: Joe Mountain 105D/15

Report Written by Gary Grant, December 28, 1997

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Gold	9
Silver	13
Copper	17
Lead	21
Zinc	25
Arsenic	29
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Project Location

- i) name of area. Joe Mountain
- ii) area: Joe Mountain
mining division Whitehorse
claim map sheet: 105-D-15 Cap Creek
NTS map sheet: The Joe Mountain Map Area (105D/15)
- iii) location map of project area: see figures 1 and 2.
- iv) no work was done on pre-existing claims or leases

Access

The project area is a 12 minute helicopter ride from the city of Whitehorse. The target area lies 25 km due East of the Klondike Highway. Active horse trails from the McClintock Lakes to the target site exist. The Joe Mountain map sheet is not traversed by other roads or known trails (Hart, C J R., and Hunt, J A, 1994 Geology of the Joe Mountain map area (105D/15), southern Yukon territory, In Yukon Exploration and Geology, 1993, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada)

Regional Geology

The Joe Mountain map area is underlain by folded, Upper Triassic and Jurassic sedimentary strata of the Whitehorse Trough which are intruded by north-trending Cretaceous plutons. Volcanic rocks comprise three mappable units dominated by thick accumulations of basaltic and andesitic, aphyric pillowed volcanics. The volcanics and associated sedimentary rocks dominate the eastern part of the map area, which includes the area prospected.

Structure in the Joe Mountain map area is dominated by a series of parallel, continuous, north-trending faults with up to 1-2 km apparent vertical displacements across them (Hart, C J R., and Hunt, J A, 1994 Geology of the Joe Mountain map area (105D/15), southern Yukon territory, In Yukon Exploration and Geology, 1993, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada)

Work Done

The area prospected is shown in figures 1 and 2. A total of 30 days in the field were spent prospecting this area. The work consisted of hardrock prospecting, placer prospecting, and geochemical sampling and analysis of stream silts, soils, and rock. Results from this work are detailed in the following sections.

FIGURE 1: SURROUNDING AREA OF PROSPECTING PROJECT

SCALE 1: 250 000

Canada CONTOUR INTERVAL 100m

MÉTRIQUE FROM NTS MAP SHEET 105 D

Carmacks 138 km
15' 19 135°00' 08 5'0000 mE 45' 2 30' 3

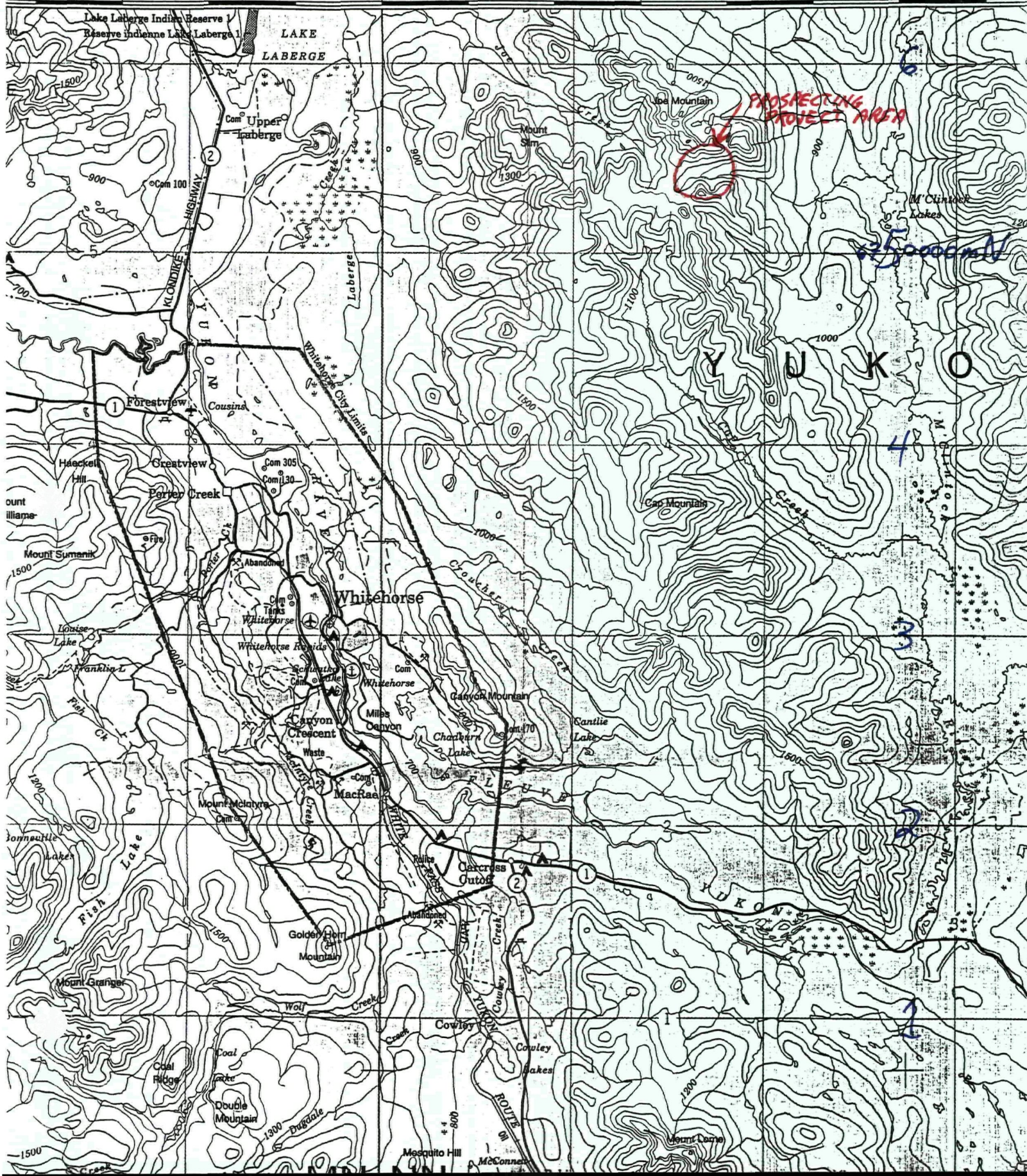
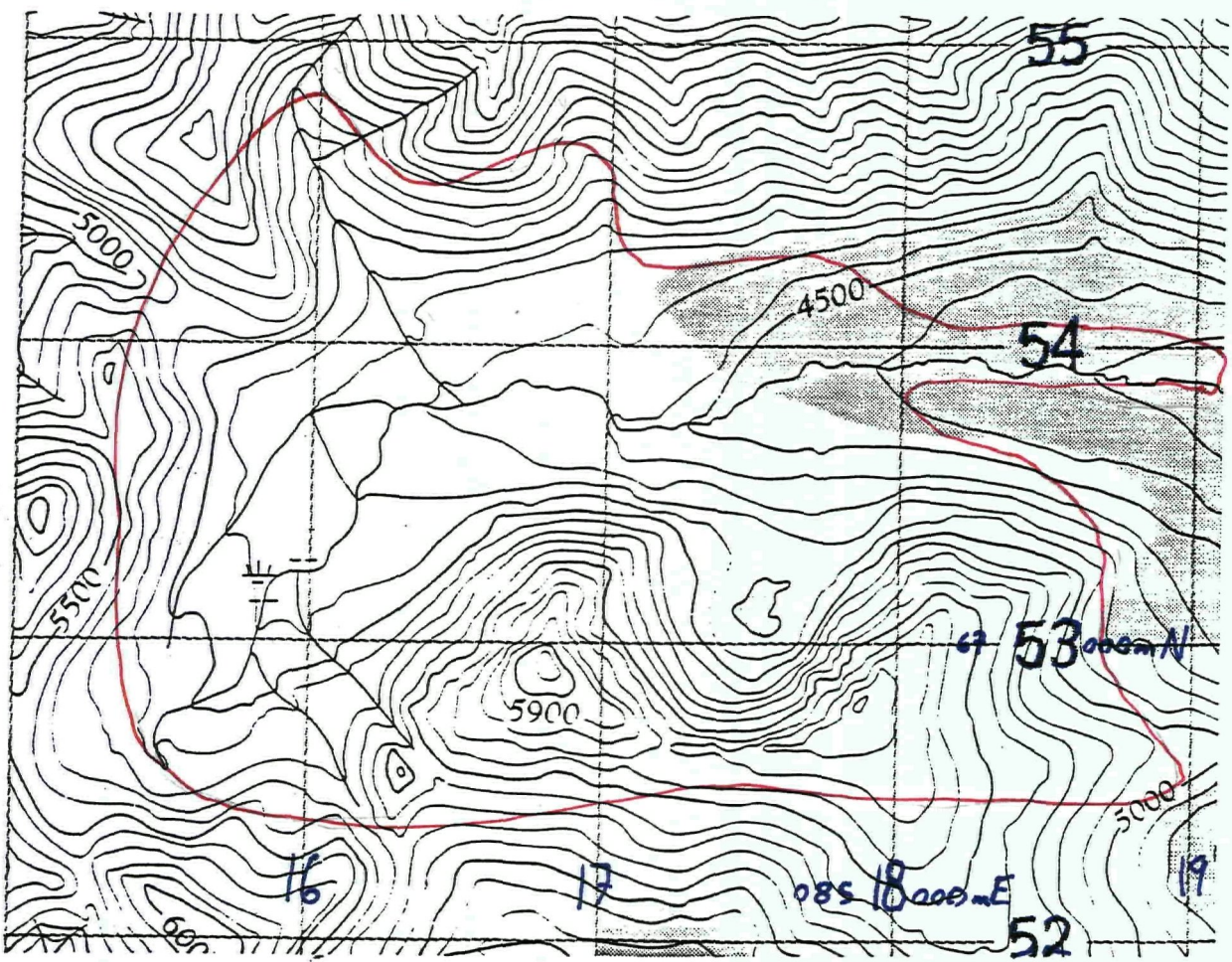


FIGURE 2: THE PROSPECTING PROJECT AREA



LEGEND
ENCLOSED AREA WAS PROSPECTED IN THIS PROJECT

CONTOUR INTERVAL 100 FEET
SCALE 1:25000
FROM NTS MAP SHEET 105D/15

Hardrock Prospecting

A series of rusty, pyrited vein exposures of a volcanic agglomerate were found on the north face of the 6000 foot peak in the lower centre portion of the area prospected (see figures 3, pictures 1 and 2) These veins were discontinuously exposed along the hillside, approximately following a dip of 35° and a strike of 312° The veins ranged in width from a few centimetres to a more than two metres. The smaller width veins often contained in their centre milky quartz veins These quartz veins would pinch and swell, and were solid not vuggy The wider rusty, pyrited vein exposures were usually recessed and collapsed in the centre It is assumed that these are the source of the abundant quartz float found in the talus slopes directly below This float is characterized as quartz vein with arsenopyrite, galena, pyrite, and rusty weathering, and pieces were often greater than one metre in width (see Picture 2) Assayed samples of this quartz float ran as high as 0.568 oz/ton of gold (i.e. samples 105015, 111001, 111002, 113006)

Placer Prospecting

The locations of the placer test pits are shown in Figure 4 The results at each depth of a one pan sample are detailed below Samples were dug from the dry creek bed alongside the creeks

Test pit 1.

3" -no colours
 6" -1 colour
 10" -1 colour
 18" -no colours
 bouldery clayey bottom hit, too much water to continue

Test pit 2

2" -no colours
 10" -no colours
 14" -no colours
 16" -no colours
 too much water and large rocks to go any deeper.

Test pit 3

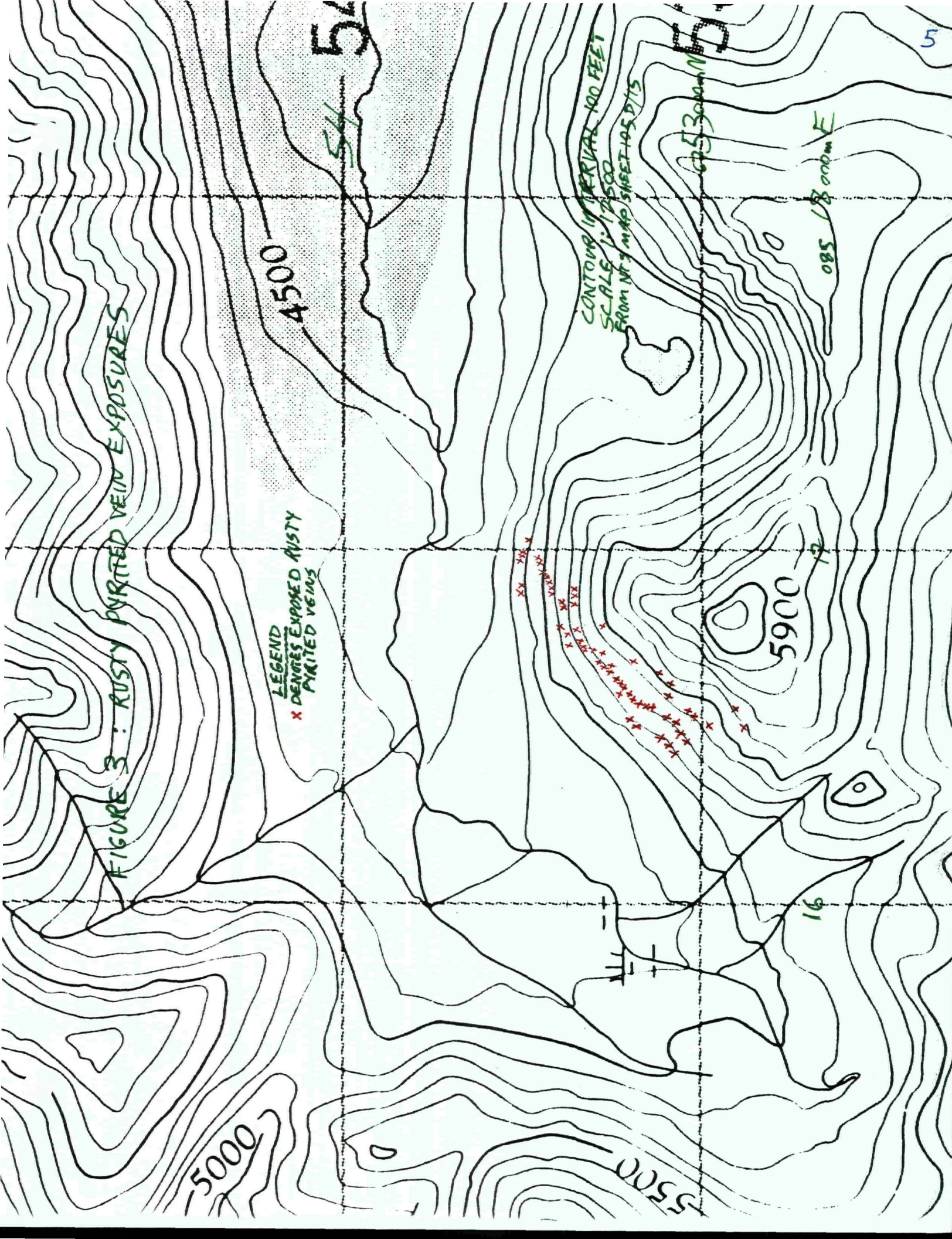
2" -1 colour
 8" -2 colours
 12" -no colours
 14" -no colours
 18" -no colours
 22" -1 colour
 could have dug deeper

Bedrock was never reached in any of the pits

FIGURE 3: RUSTY PYRITED VEIN EXPOSURES

LEGEND
X DENOTES EXPOSED RUSTY
PYRITED VEINS

CONTOUR INTERVAL 100 FEET
SCALE 1" = 12500
FROM N.T. MAP SHEET 105 D/15



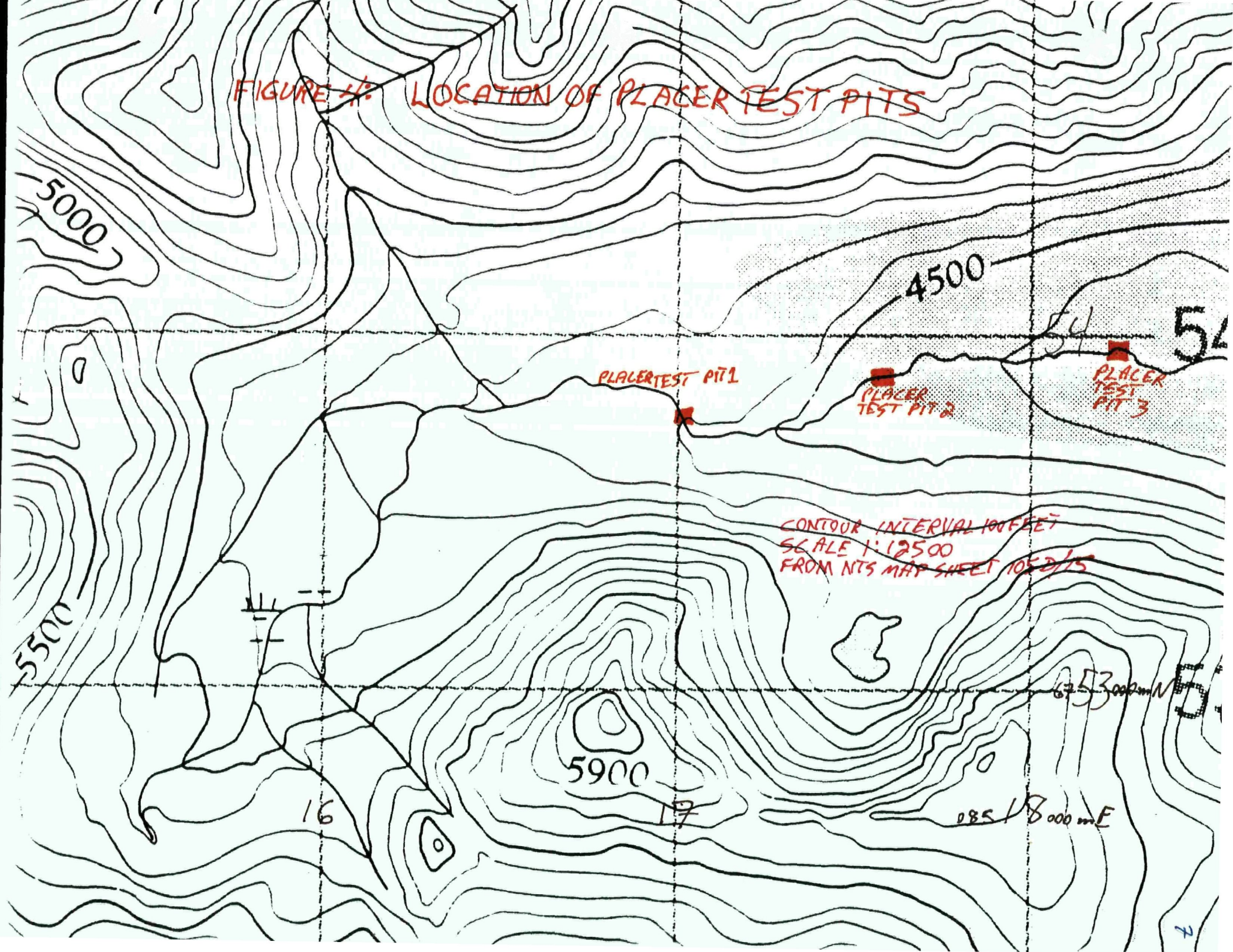
PICTURE 1: HILLSIDE SHOWING RUSTY, PYRITED VEINS

6



PICTURE 2: RUSTY WEATHERING QUARTZ FLOAT WITH
ARSENOPYRITE, GALENA AND PYRITE

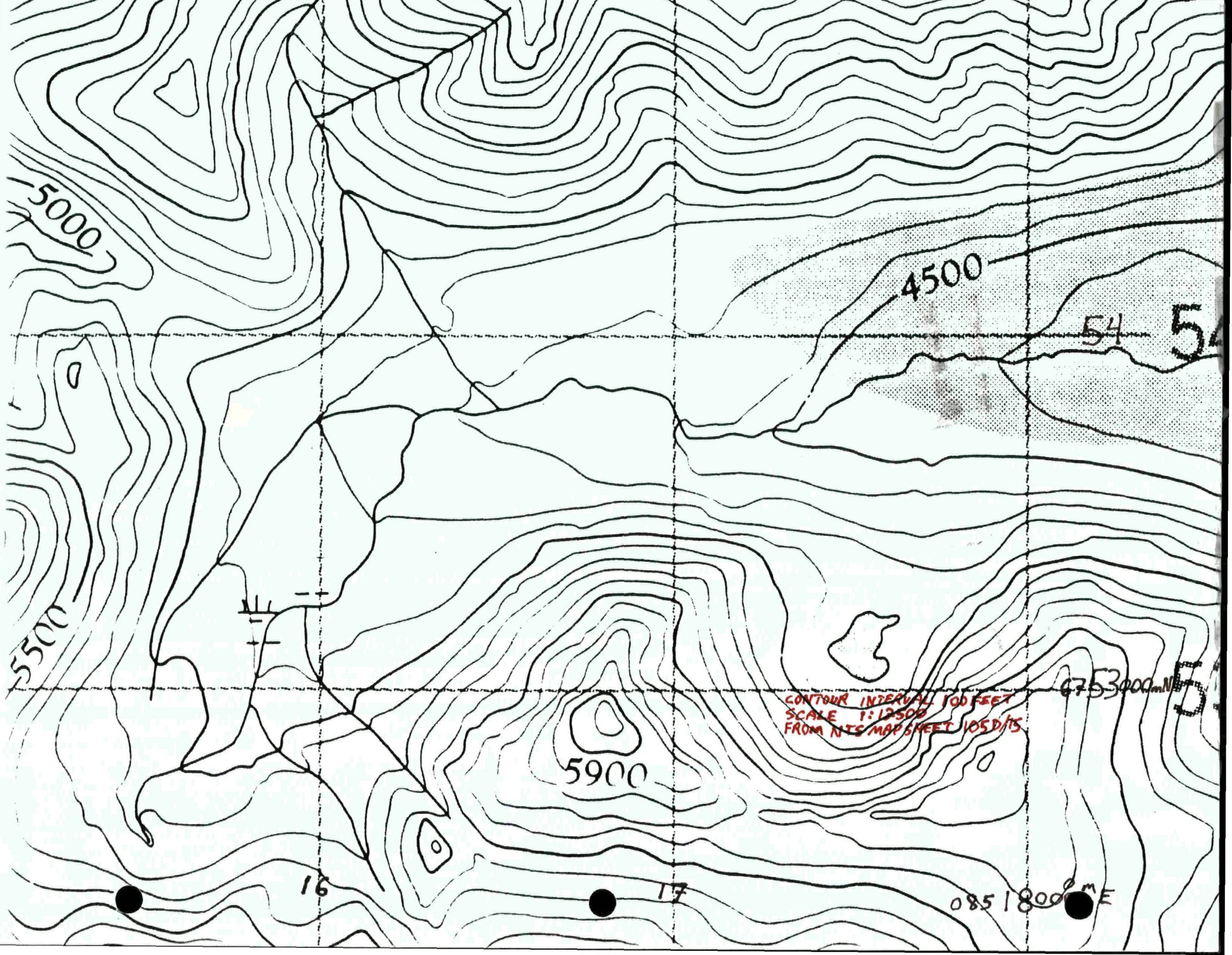
FIGURE 4: LOCATION OF PLACER TEST PITS



Results: Geochemical Analysis, Maps, and Tables

Geochemical analysis was performed on rock, soil, and stream silt samples taken during the prospecting project. Please note the following points when viewing the resultant geochemical maps and tables.

- ▶ There are six series of overlays, for each of gold, silver, copper, lead, zinc, and arsenic. Listed in Appendix 2 are the geochemical tables from which the overlays are based.
- ▶ Each unit in the series contains one overlay for rock samples, one overlay for soil samples, and one overlay for stream silt samples, followed by the topographic map.
- ▶ The rock samples 111004, 111005, 111006, 111007, 111008, 111009, 111010, 111011, 111020, 111021, 111022, and 111023 are all spatially coincident within the scale of the overlays. Thus the group is designated on the maps by the sample "111022", and marked as the highest elemental concentration value in this group.
- ▶ The rock samples 112001, 112002, and 112003 are all spatially coincident within the scale of the overlays. Thus the group is designated on the maps by the sample "112001", and marked as the highest elemental concentration value in this group.
- ▶ The rock samples 115001, 115002, 115003 are all spatially coincident within the scale of the overlays. Thus the group is designated on the maps by the sample "115001", and marked as the highest elemental concentration value in this group.
- ▶ The following conventions were used in numbering the samples: a prefix of "1" designates a rock sample, a prefix of "2" designates a soil sample, and a prefix of "3" designates a stream silt sample.
- ▶ The following samples (and their locations in Eastings and Northings) did not fit within the boundaries of the overlays: 112004 (08 519 108 E, 6 751 401 N), 350001 (08 520 111 E, 6 753 675 N), 350002 (08 519 785 E, 6 753 950 N), 350003 (08 519 306 E, 6 753 641 N), 350004 (08 519 132 E, 6 753 860 N), 350005 (08 518 957 E, 6 754 010 N); 350006 (08 518 632 E, 6 754 140 N), 350007 (08 518 638 E, 6 754 927 N).



5000

4500

54

55

5500

5900

CONTOUR INTERVAL 100 FEET
SCALE 1:12500
FROM NTS MAP SHEET 105D/15

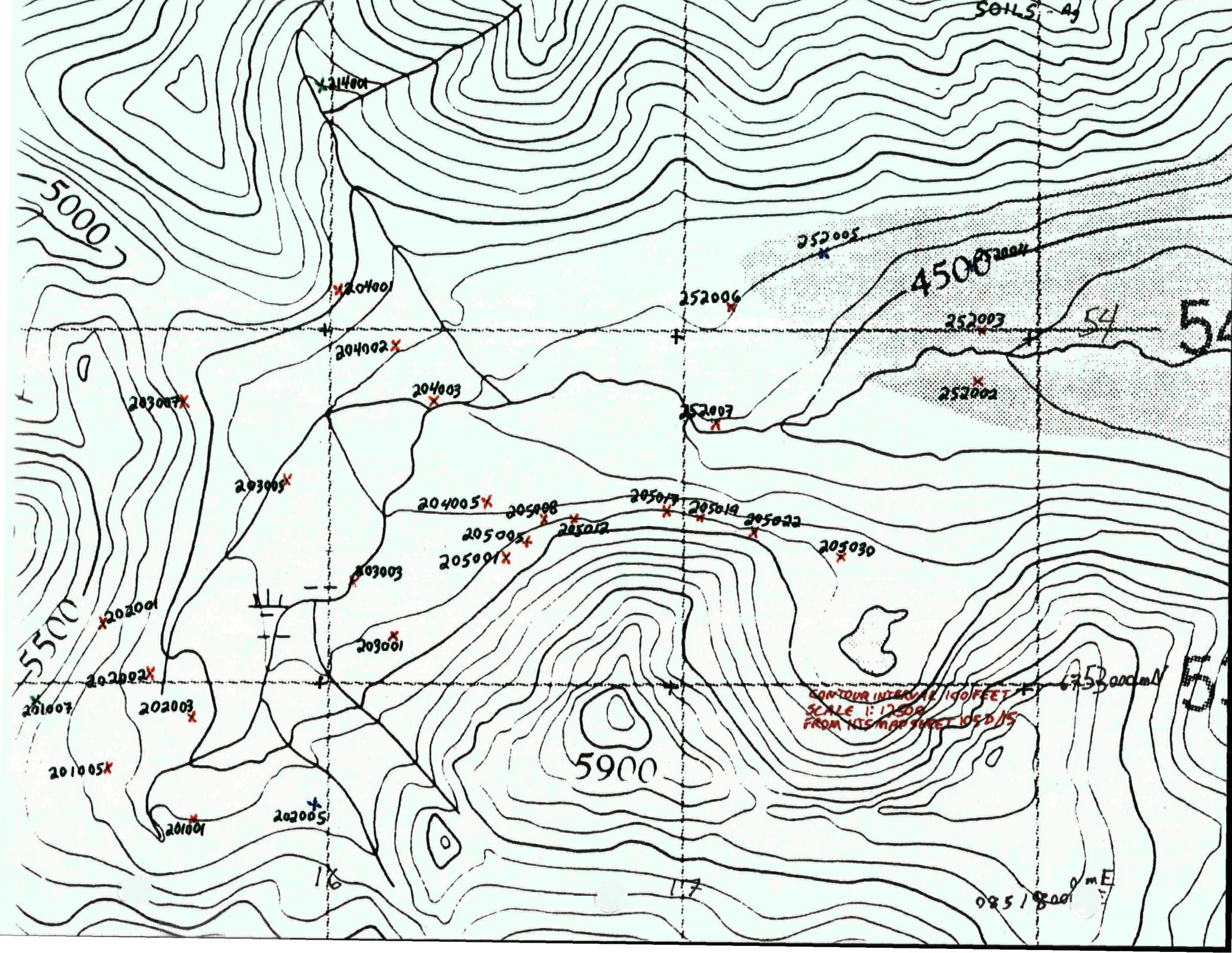
0753000 ME

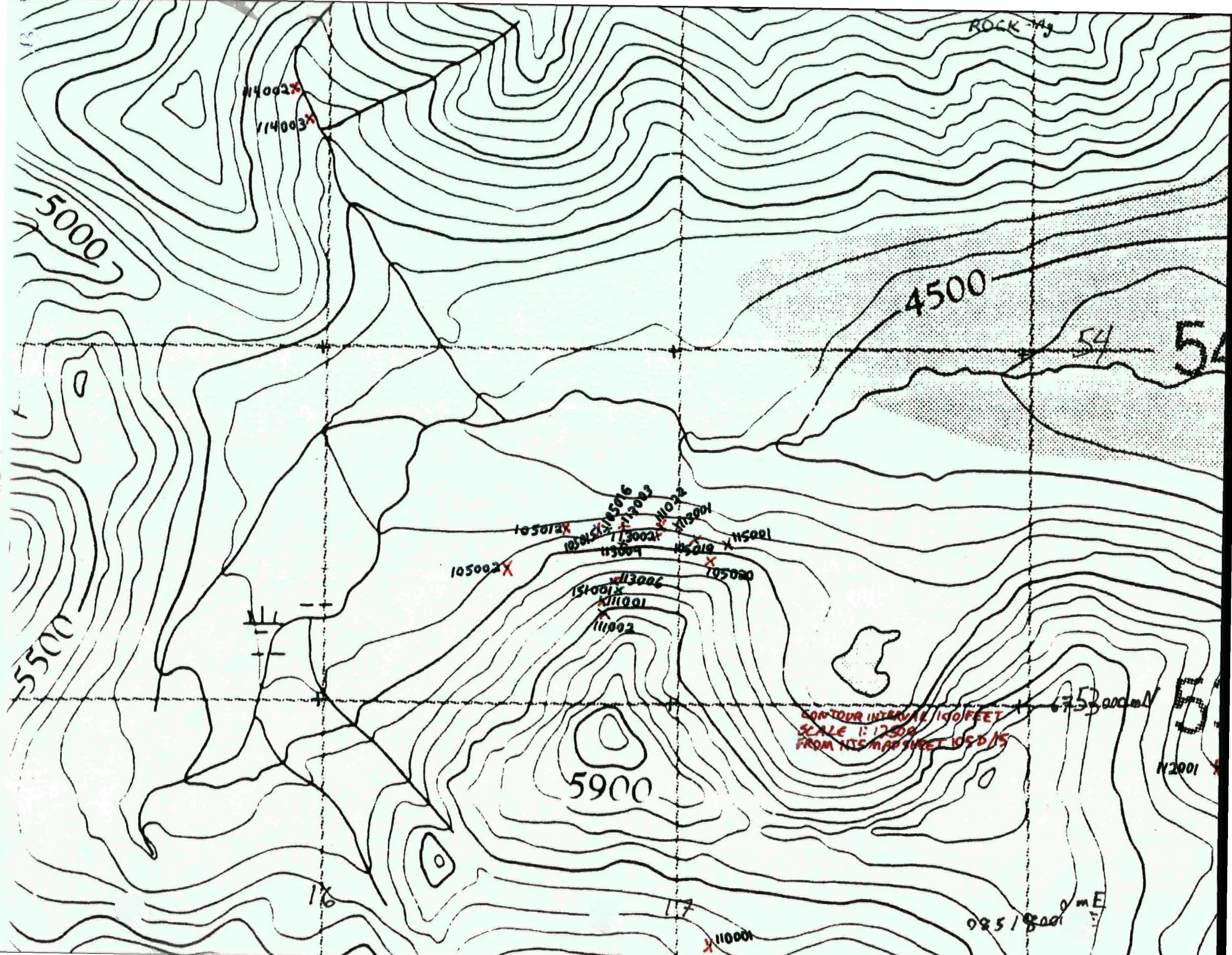
55

16

17

0851800 ME





ROCK

114002 X

114003 X

5000

4500

54

54

105072 X
105051 X
105052 X
105050 X
105051 X
105052 X
105053 X
105054 X
105055 X
105056 X
105057 X
105058 X
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105060 X
105061 X
105062 X
105063 X
105064 X
105065 X
105066 X
105067 X
105068 X
105069 X
105070 X
105071 X
105072 X
105073 X
105074 X
105075 X
105076 X
105077 X
105078 X
105079 X
105080 X
105081 X
105082 X
105083 X
105084 X
105085 X
105086 X
105087 X
105088 X
105089 X
105090 X
105091 X
105092 X
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105100 X

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CONTOUR INTERVAL 100 FEET
SCALE 1:12500
FROM ITS MAP SHEET 105 D/15

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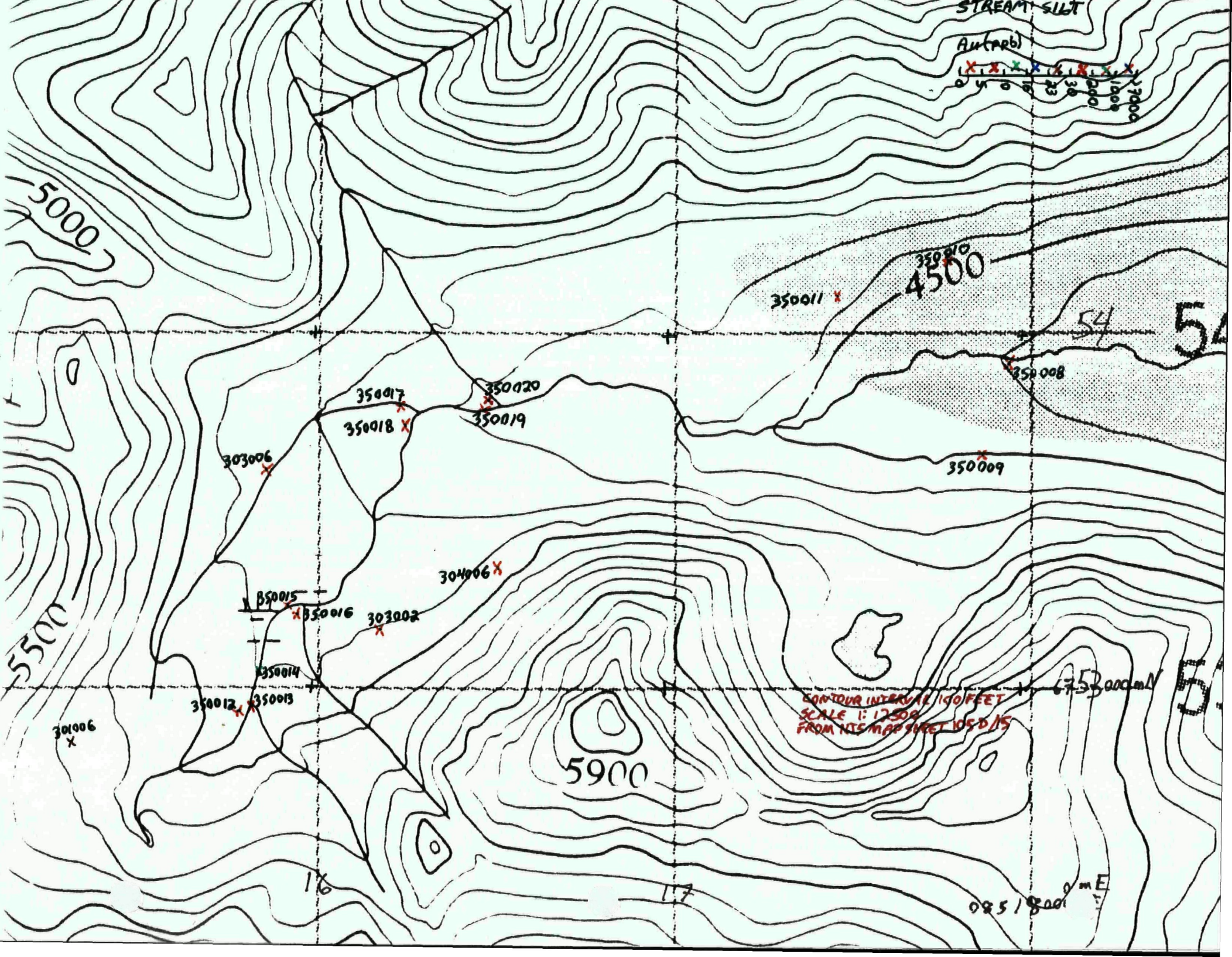
112001 X

16

17

0 25 50 m E

110001 X



50765 Aa

5000

214001

204001

204002

204003

203007

203005

204005

205008

205005

203009

203001

202001

202002

201007

202003

201005

201001

202005

252006

252005

252003

252002

252007

205017

205019

205022

205030

5900

4500

54

54

CONTOUR INTERVAL 100 FEET
SCALE 1:17500
FROM HIS MAP SHEET 1050/15

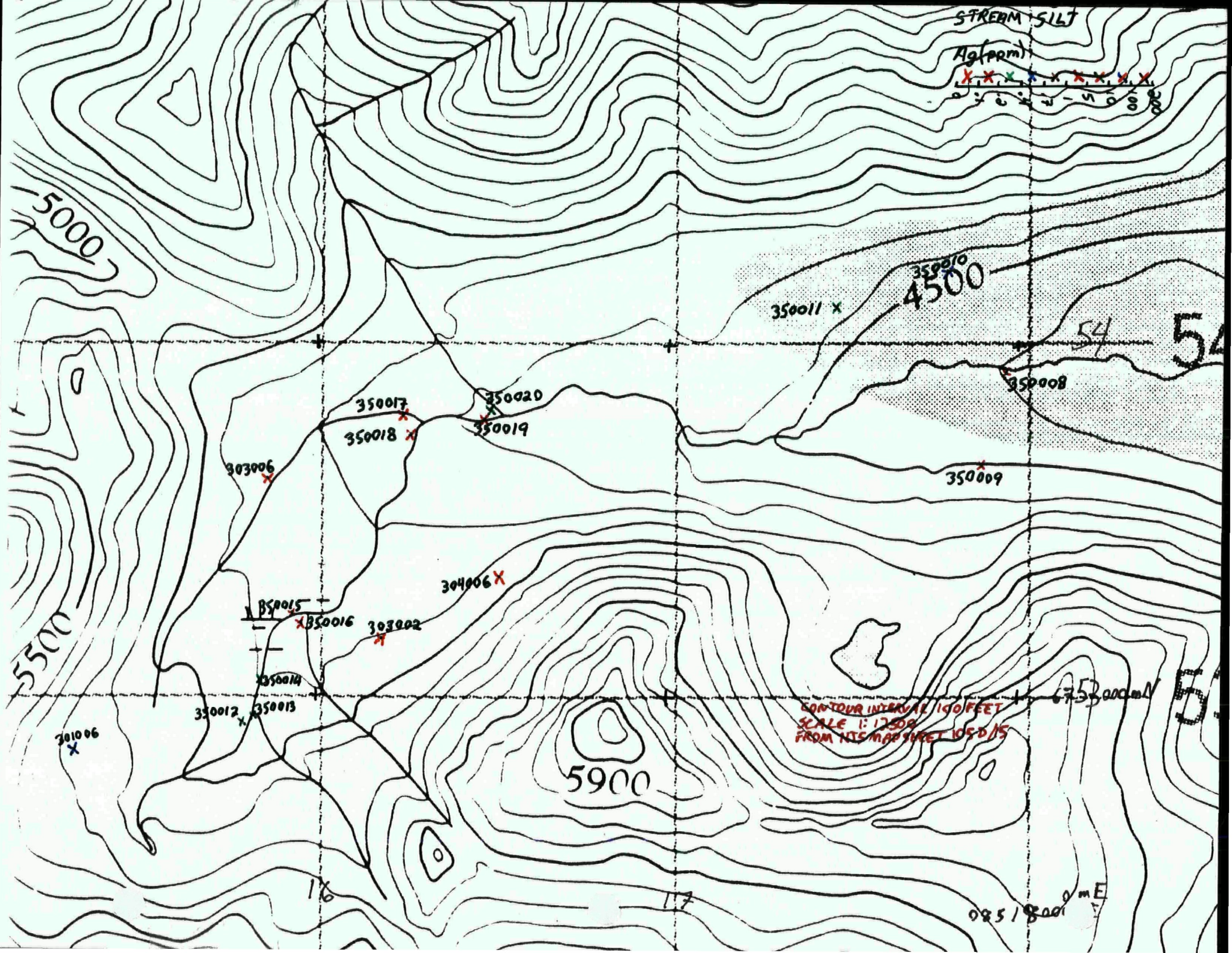
675000 mN

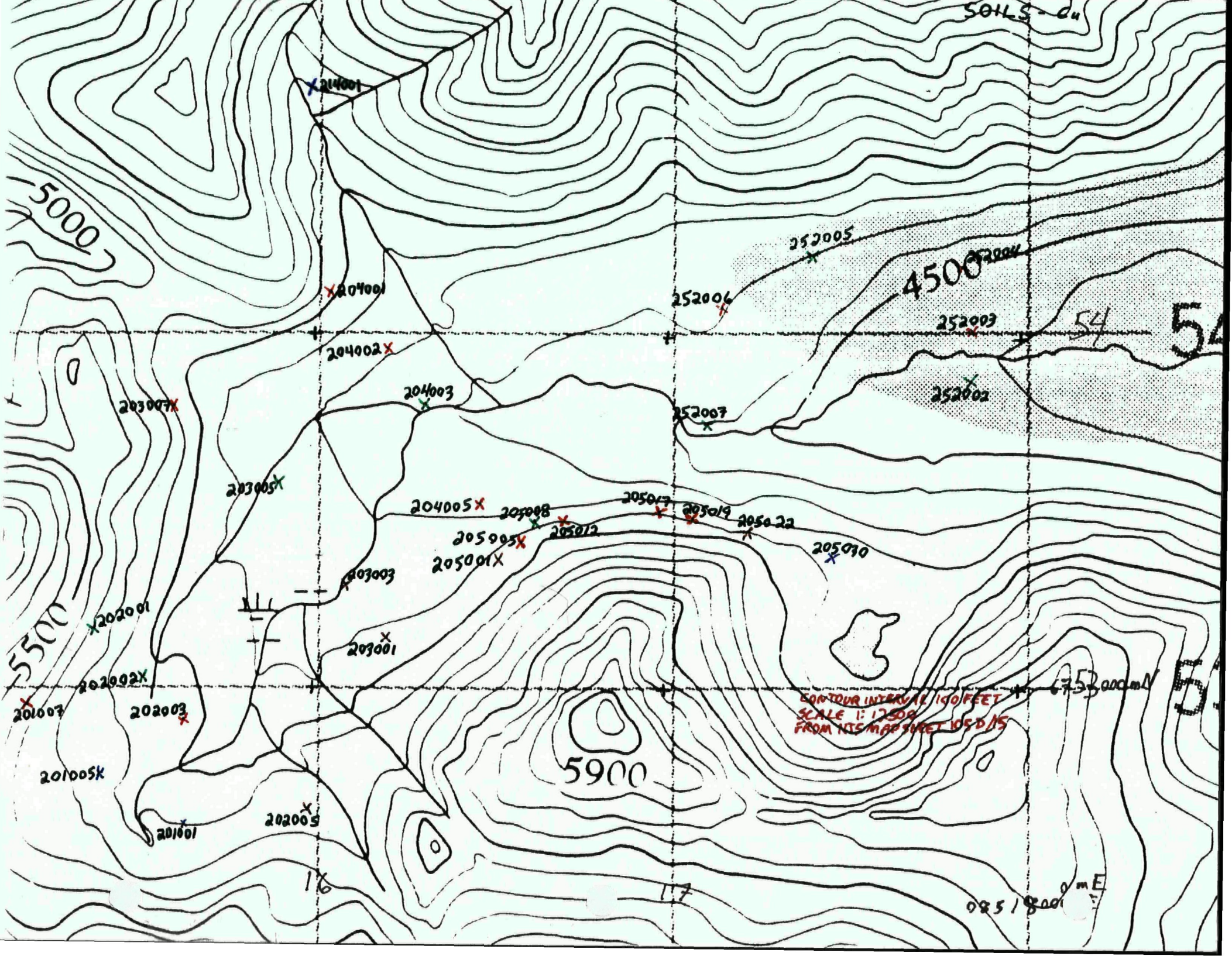
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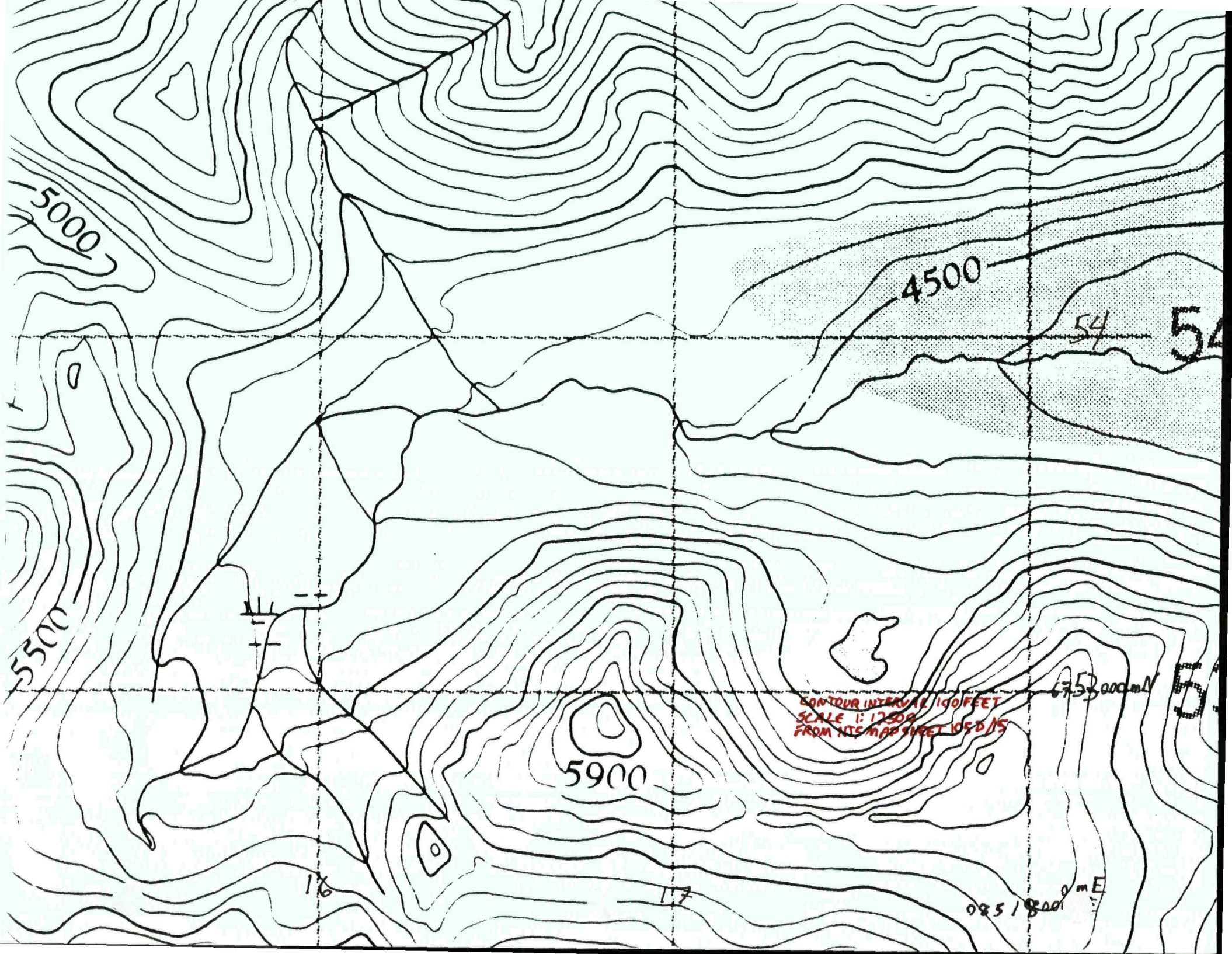
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0851000 mE







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CONTOUR INTERVAL 100 FEET
SCALE 1:12500
FROM HIS MAP SHEET 1050/15

5900

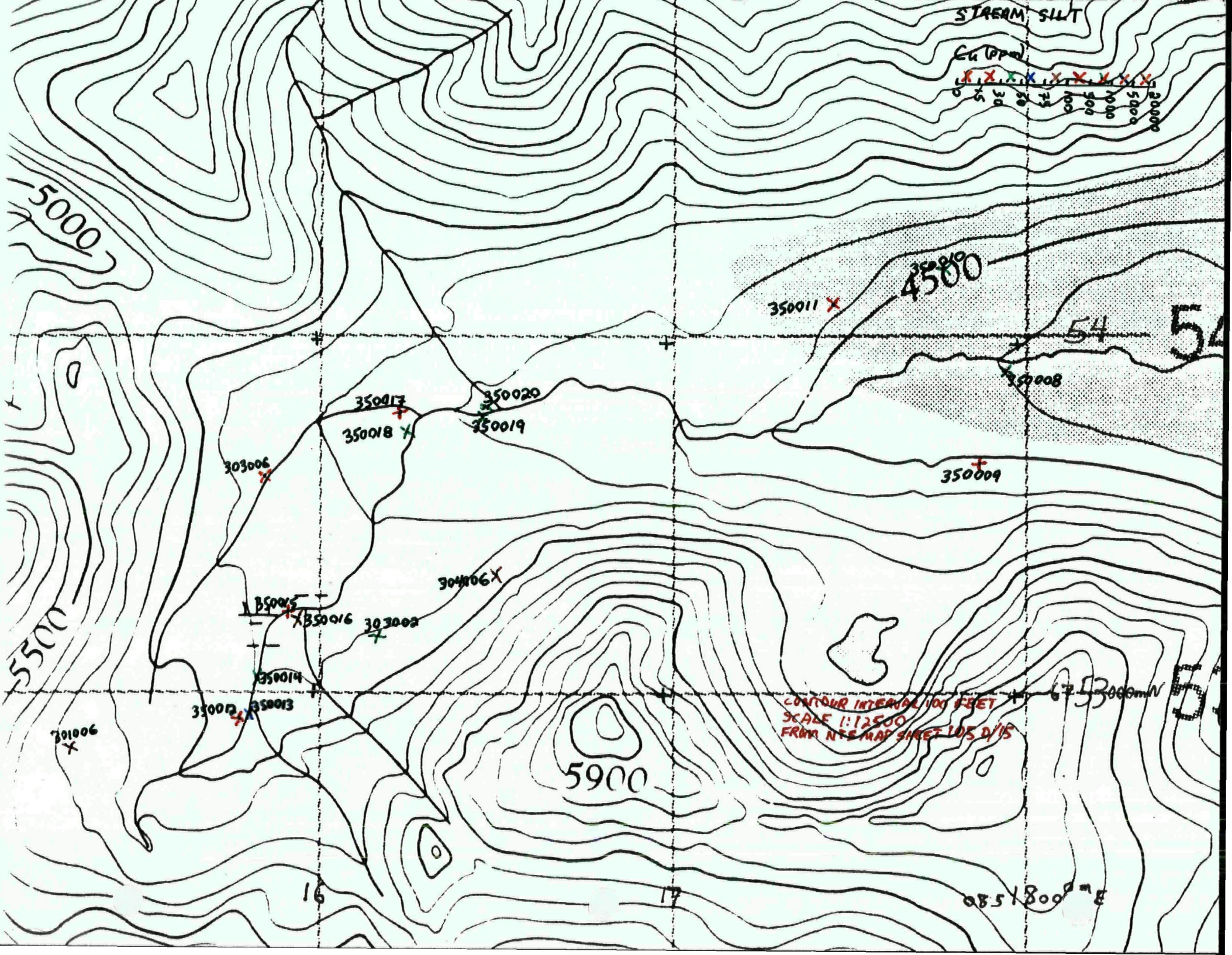
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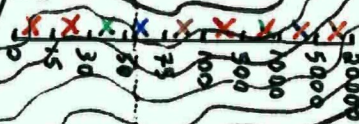
17

0851800 m E



STREAM SILT

Cu (PPM)



5000

4500

54

54

350011 X

350017 X

350020 X

350019 X

350018 X

303006 X

350008 X

350009 X

304006 X

350005 X

350016 X

303002 X

350014 X

350013 X

301006 X

5900

CONTOUR INTERVAL 100 FEET
SCALE 1:12500
FROM NTS MAP SHEET 105 D/15

3000m N

16

17

3000m E

ROCK - PL

114002
114003

5000

4500

54

105012
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CONTOUR INTERVAL IN FEET
SCALE 1:12500
FROM NTS MAP SHEET 1050/15

6153000mN

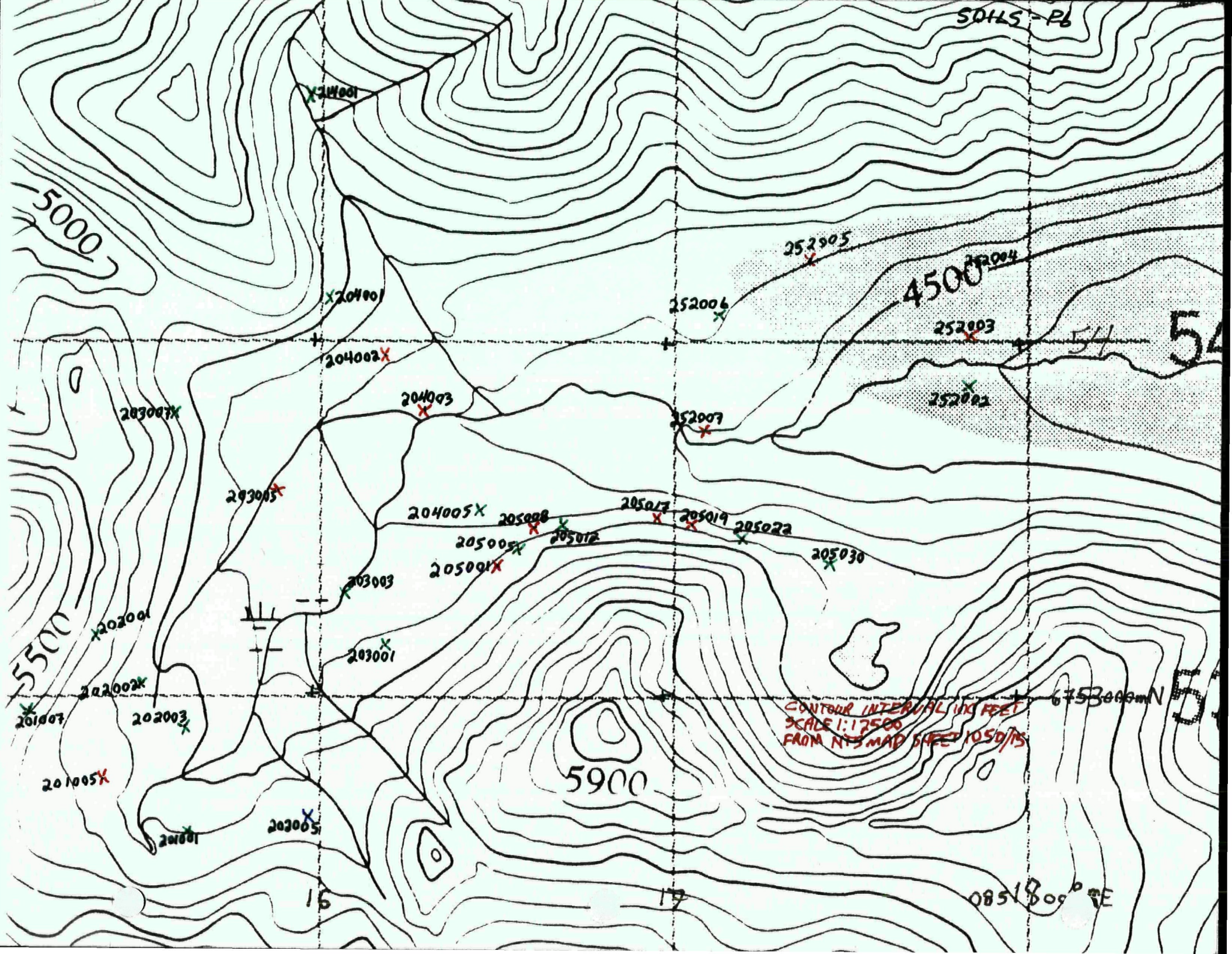
112001

16

17

0851809° E

10001



CONTOUR INTERVAL IN FEET
 SCALE 1:12500
 FROM N.T.S. MAP SHEET 1050/15

0851809° SE

16

17

675300mN

54

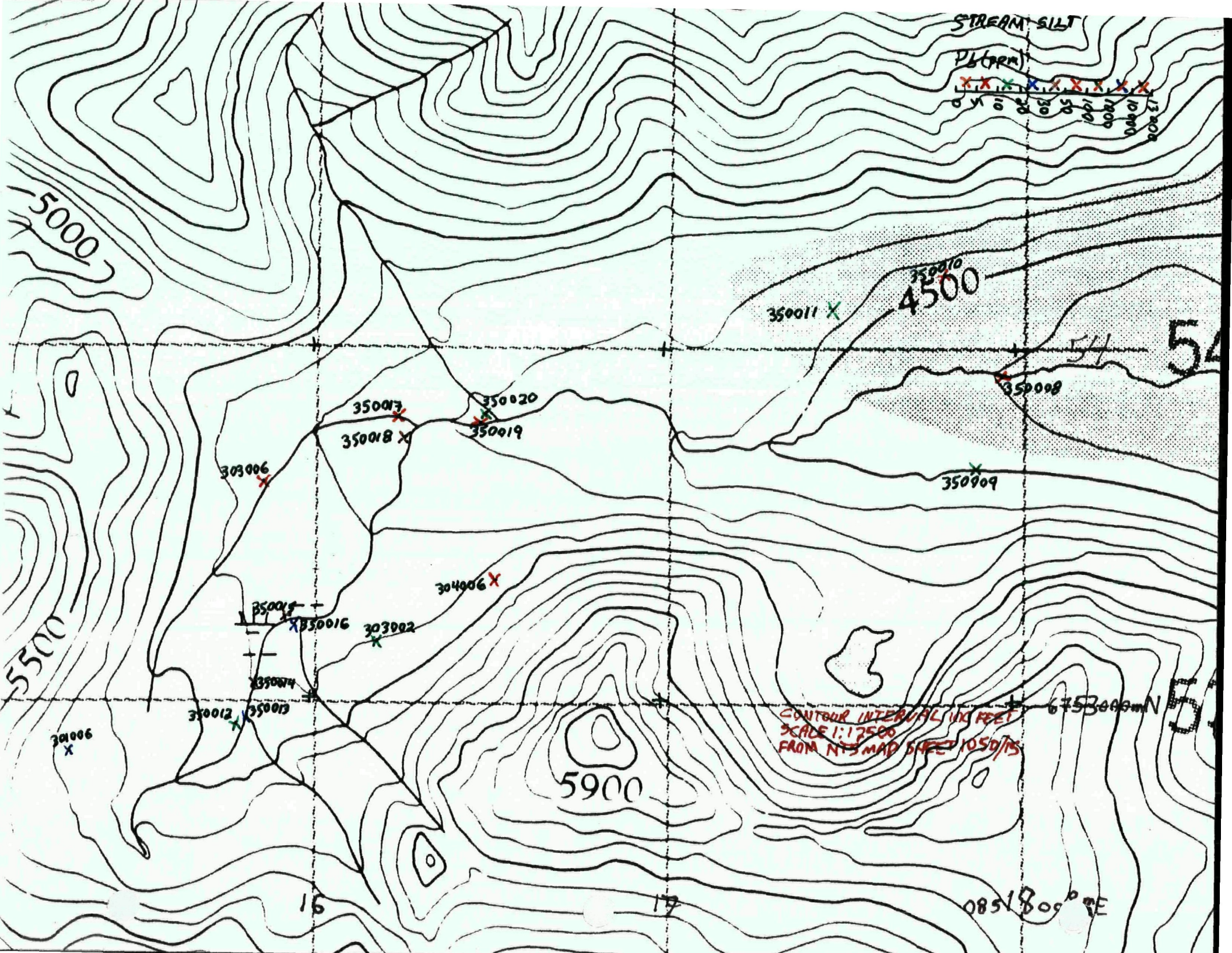
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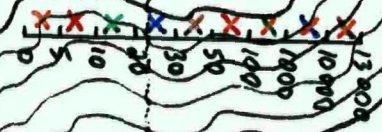
5900

4500



STREAM SILT

PLAN



5000

35011 X
35010
4500

35007 X
35008 X
35019
35020

35006 X

35008

35009

35006 X

35015
35016 X
35016
35022

35012 X
35013

35006 X

CONTOUR INTERVAL SIX FEET
SCALE 1:12500
FROM NTS MAP SHEET 1050/15

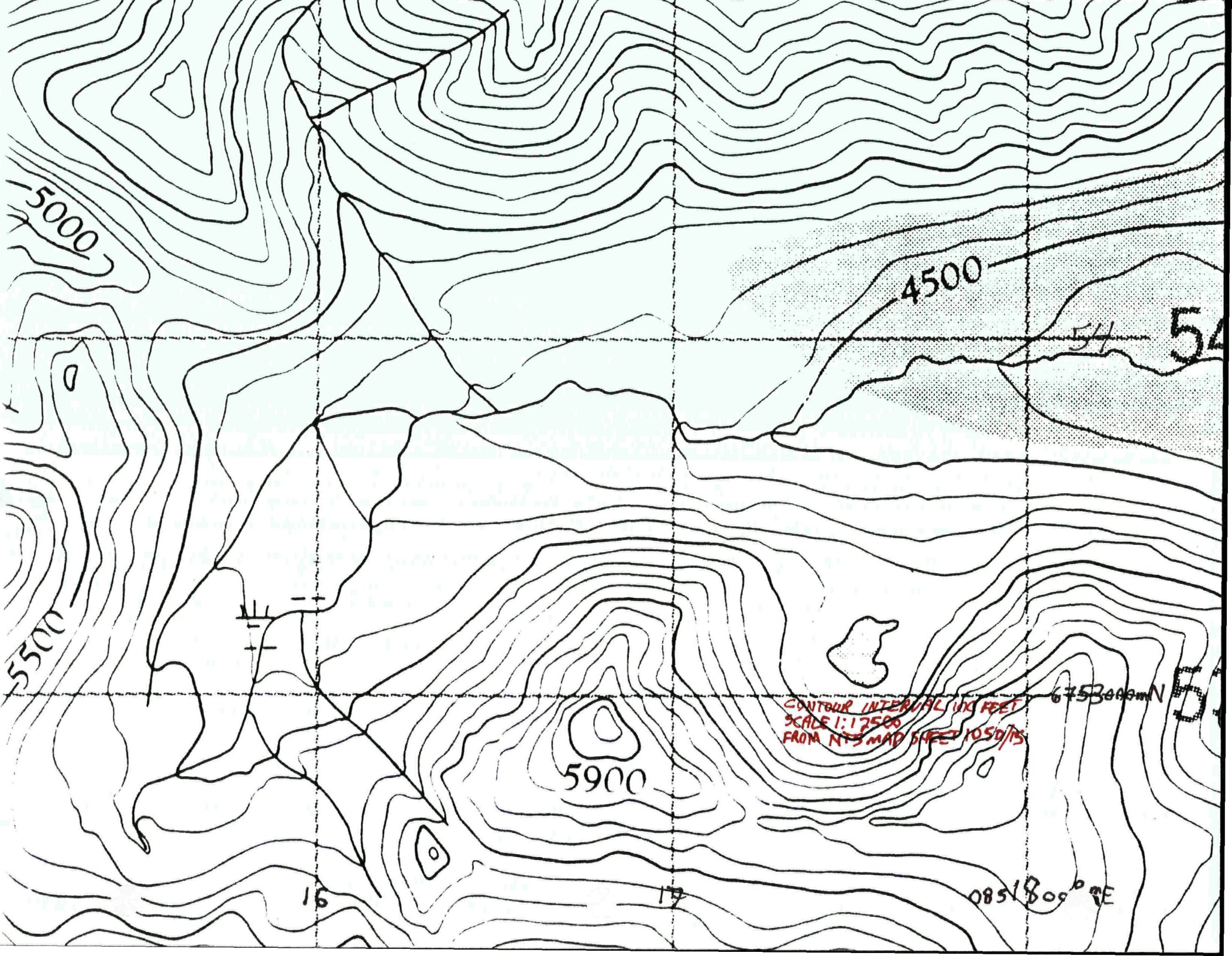
5900

6753000N

16

17

0851809° E



5000

4500

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5500

5900

CONTOUR INTERVAL 100 FEET
SCALE 1:12500
FROM NTS MAP SHEET 1050/15

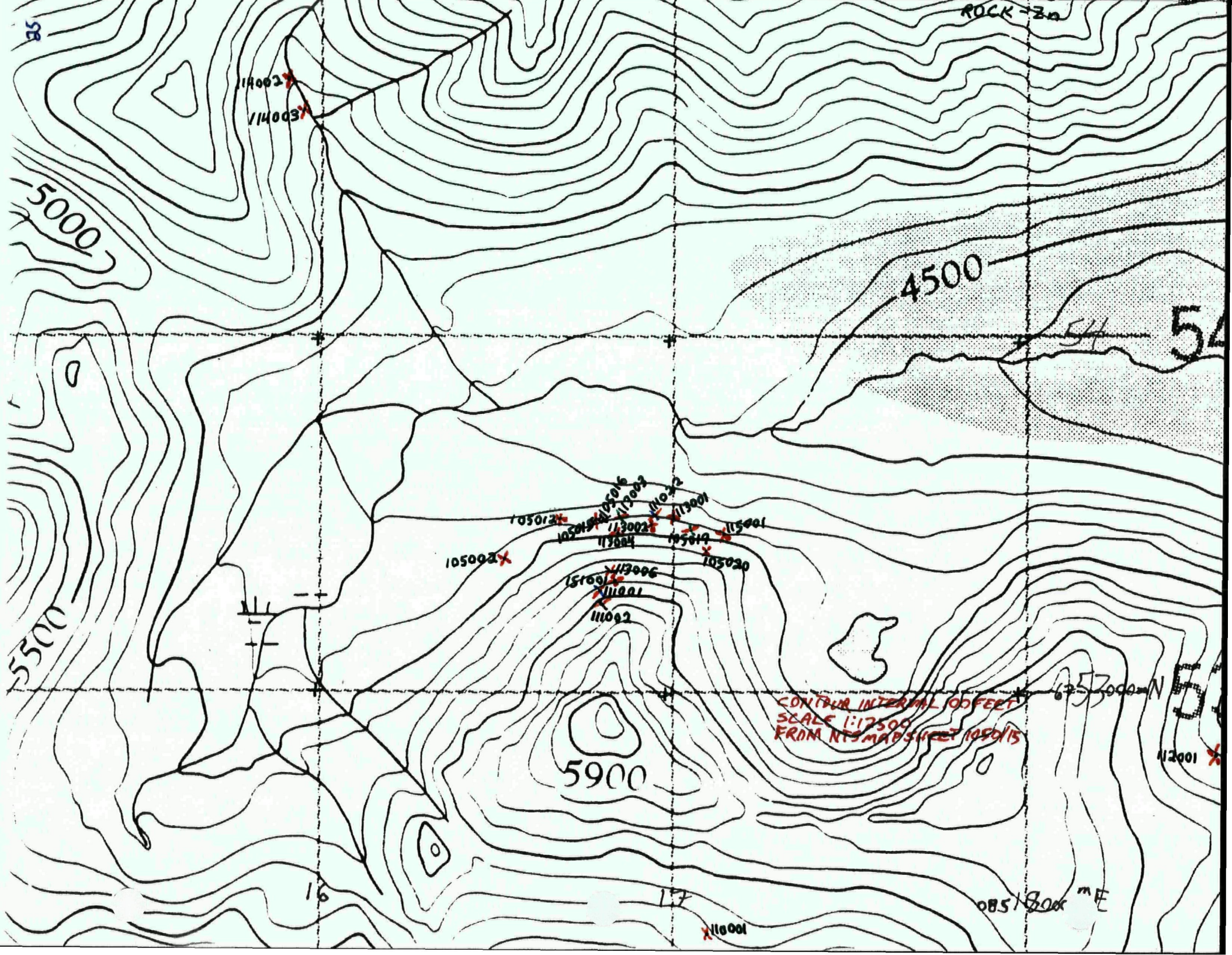
675300mN

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17

0851809° NE



ROCK-3a

114002
114003

5000

4500

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105012
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105099
105100

5500

16

5900

CONTOUR INTERVAL 100 FEET
SCALE 1:17500
FROM NTS MAP SHEET 105015

6257000N

55

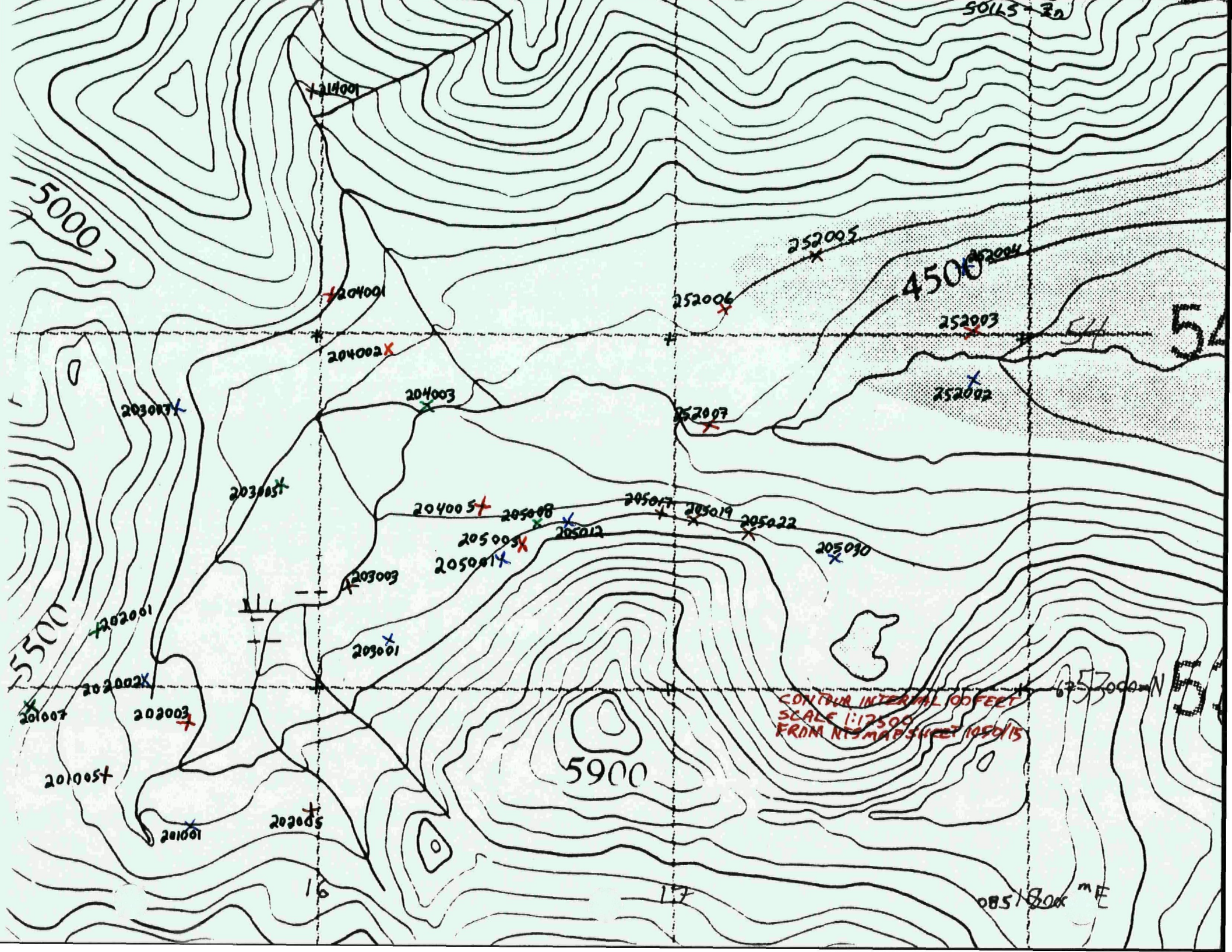
112001

16

17

0851800 E

110001



SOILS 20

5000

214001

204001

204002

203007

203008

203009

203001

202001

202002

202003

201001

202005

16

204003

204005

205005

205008

205011

5900

252006

252007

205007

205012

205019

205022

252005

4500

252003

252002

205030

CONTOUR INTERVAL 100 FEET
SCALE 1:17500
FROM NTS MAP SHEET 1050/15

54

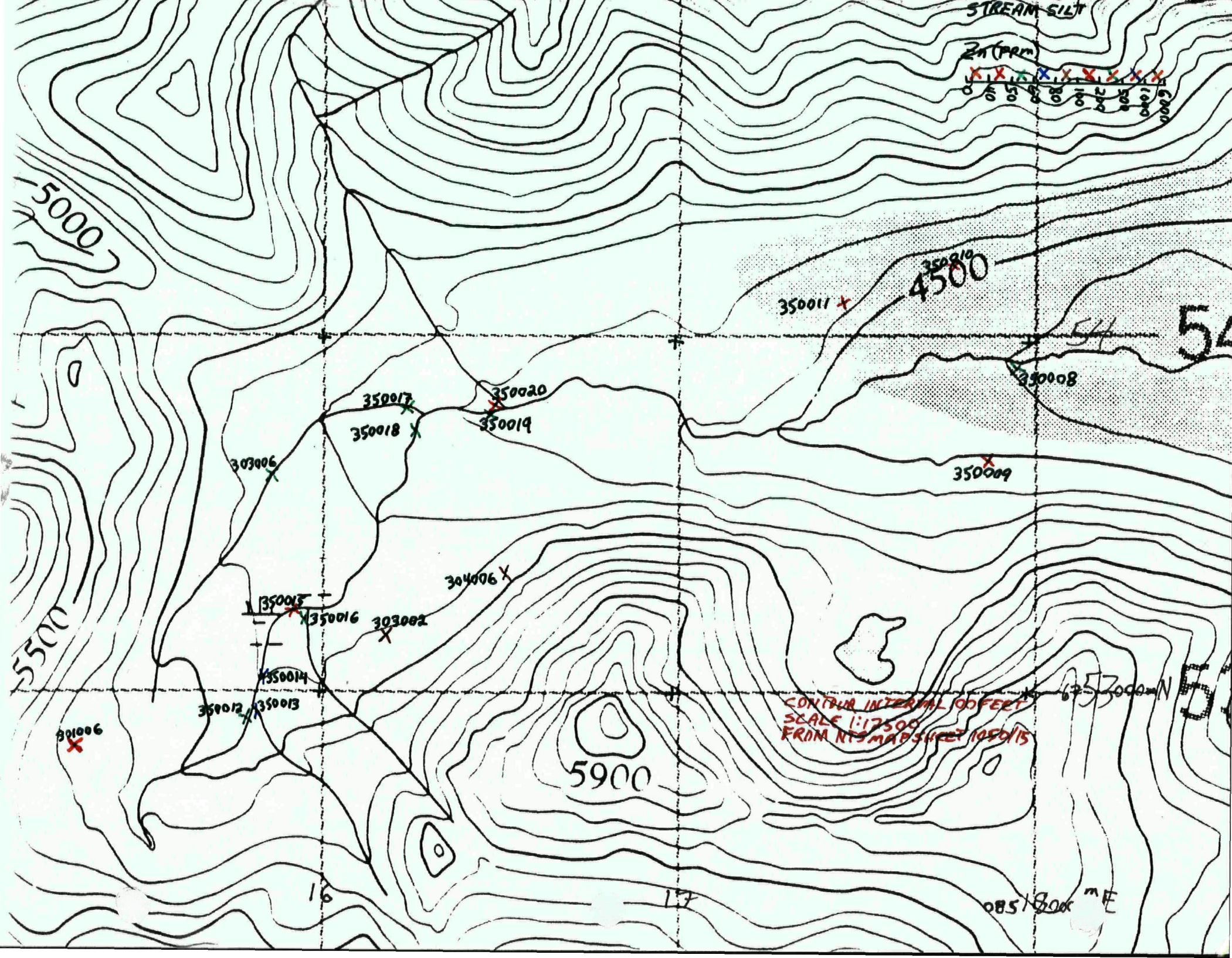
54

55

55

17

085/8000 m E



STREAM SILT

Zn (ppm)



5000

350011 X

350010
4500

350008

350009

350017 X

350020 X

350019 X

350018 X

303006 X

304006 X

350015 X

350016 X

303002 X

350014 X

350012 X

350013 X

301006 X

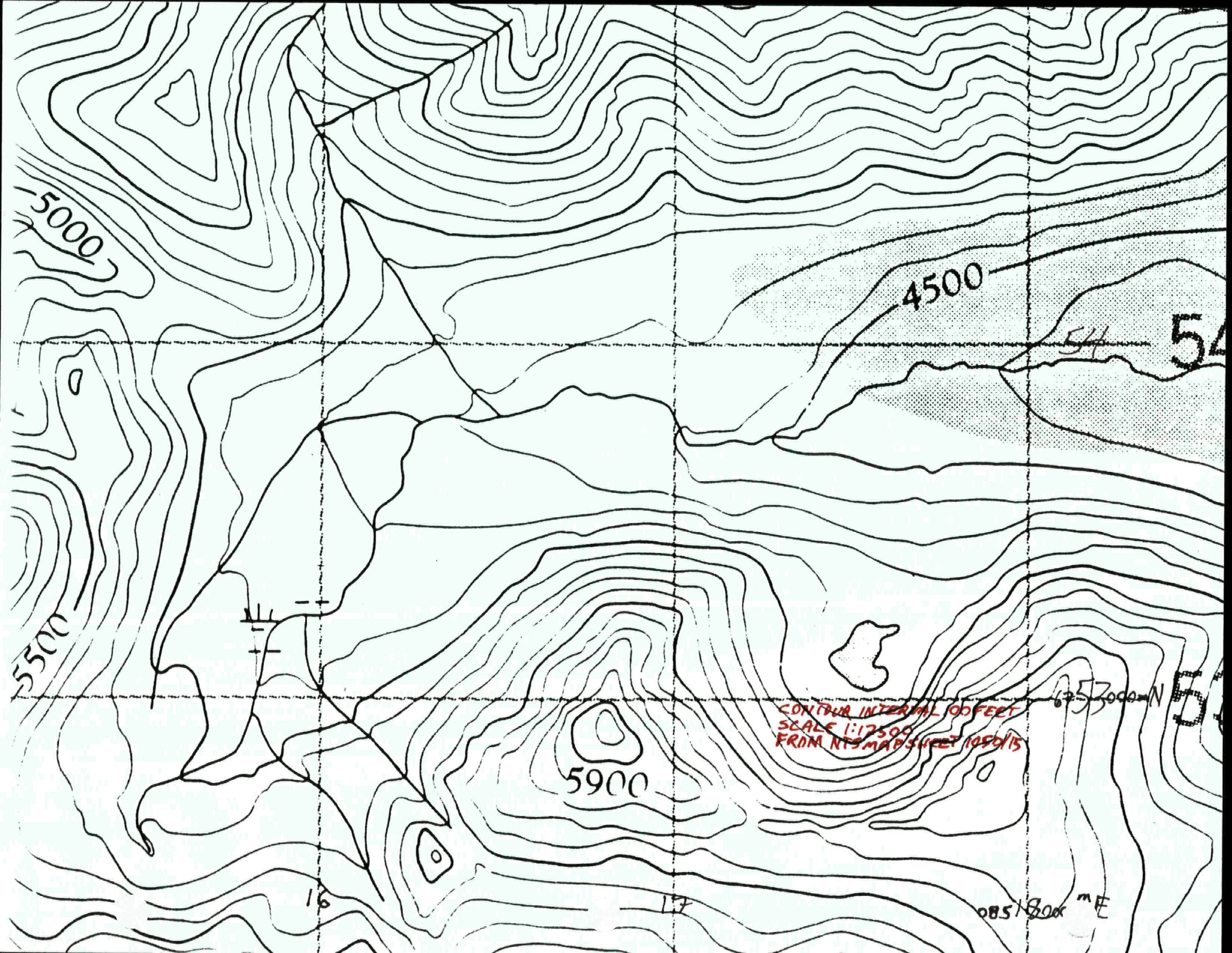
CONTOUR INTERVAL 100 FEET
SCALE 1:17500
FROM NIS MAP SHEET 1056/15

5900

16

17

08518000 m E



5000

4500

5500

5900

CONTOUR INTERVAL 100 FEET
SCALE 1:12500
FROM NTS MAP SHEET 1056/15

6253000 N

16

17

08518000 ME

ROCK - A₅

114002 X
114003 X

5000

4500

54

54

5500

105012 X
105013 X
105014 X
105015 X
105016 X
105017 X
105018 X
105019 X
105020 X
105021 X
105022 X
105023 X
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105025 X
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105099 X
105100 X

111001 X
111002 X
111003 X
111004 X
111005 X
111006 X
111007 X
111008 X
111009 X
111010 X
111011 X
111012 X
111013 X
111014 X
111015 X
111016 X
111017 X
111018 X
111019 X
111020 X
111021 X
111022 X
111023 X
111024 X
111025 X
111026 X
111027 X
111028 X
111029 X
111030 X
111031 X
111032 X
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111035 X
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111041 X
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111076 X
111077 X
111078 X
111079 X
111080 X
111081 X
111082 X
111083 X
111084 X
111085 X
111086 X
111087 X
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111096 X
111097 X
111098 X
111099 X
111100 X

5900

CONTOUR INTERVAL - 100 FEET
SCALE 1:12500
FROM NTS MAP SHEET 105D/15

675300m N

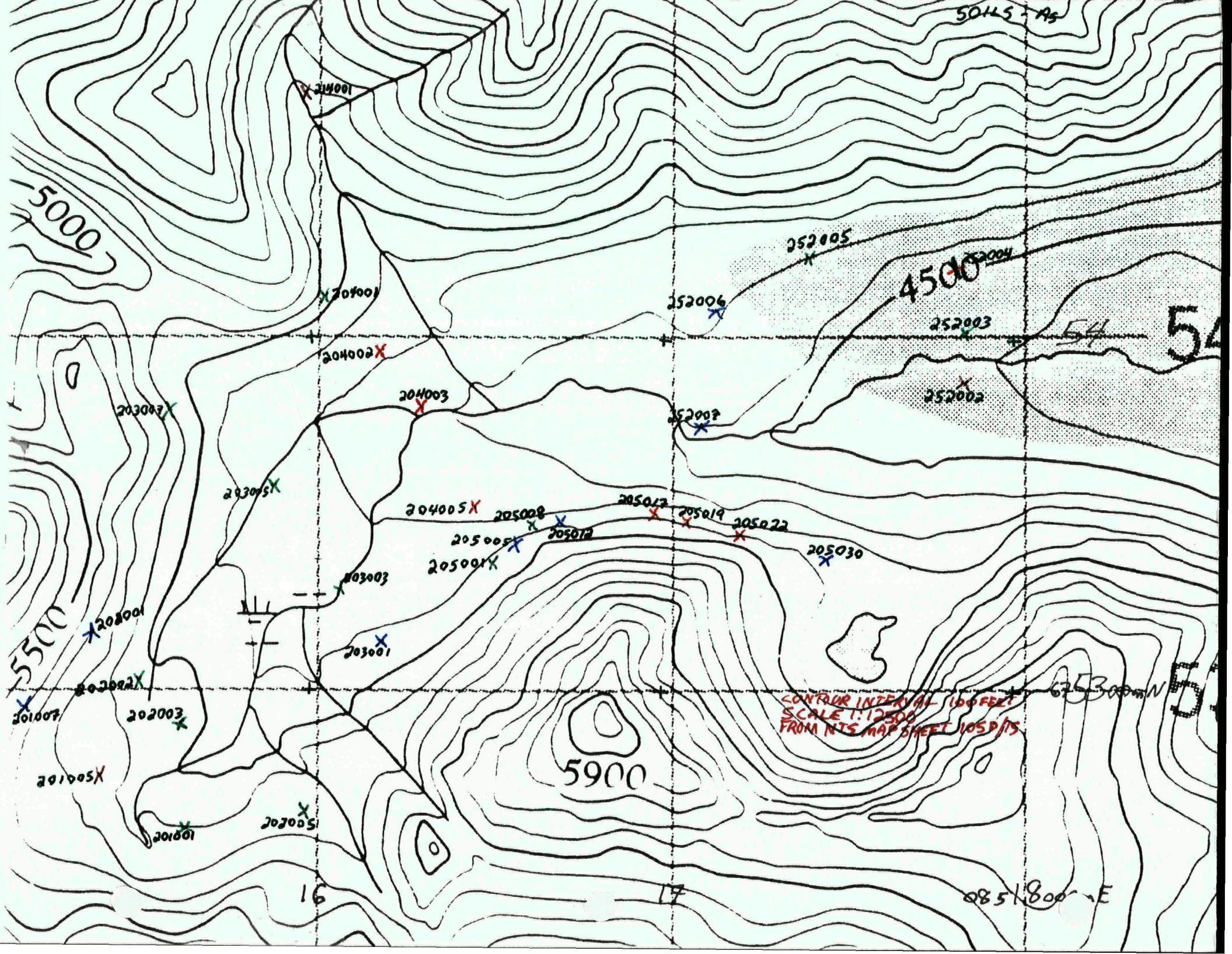
112001 X

16

17

0851800m E

110001 X



50115-A5

5000

214001

207000

252006

252005

4500

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54

204002

252007

252002

203007

204003

203005

204005

205008

205012

205019

205022

205030

205005

205012

203003

205052

5500

202001

203001

203001

202002

202003

CONTOUR INTERVAL 100 FEET
SCALE 1:12500
FROM NTS MAP SHEET 105D/15

675300m N

201005

5900

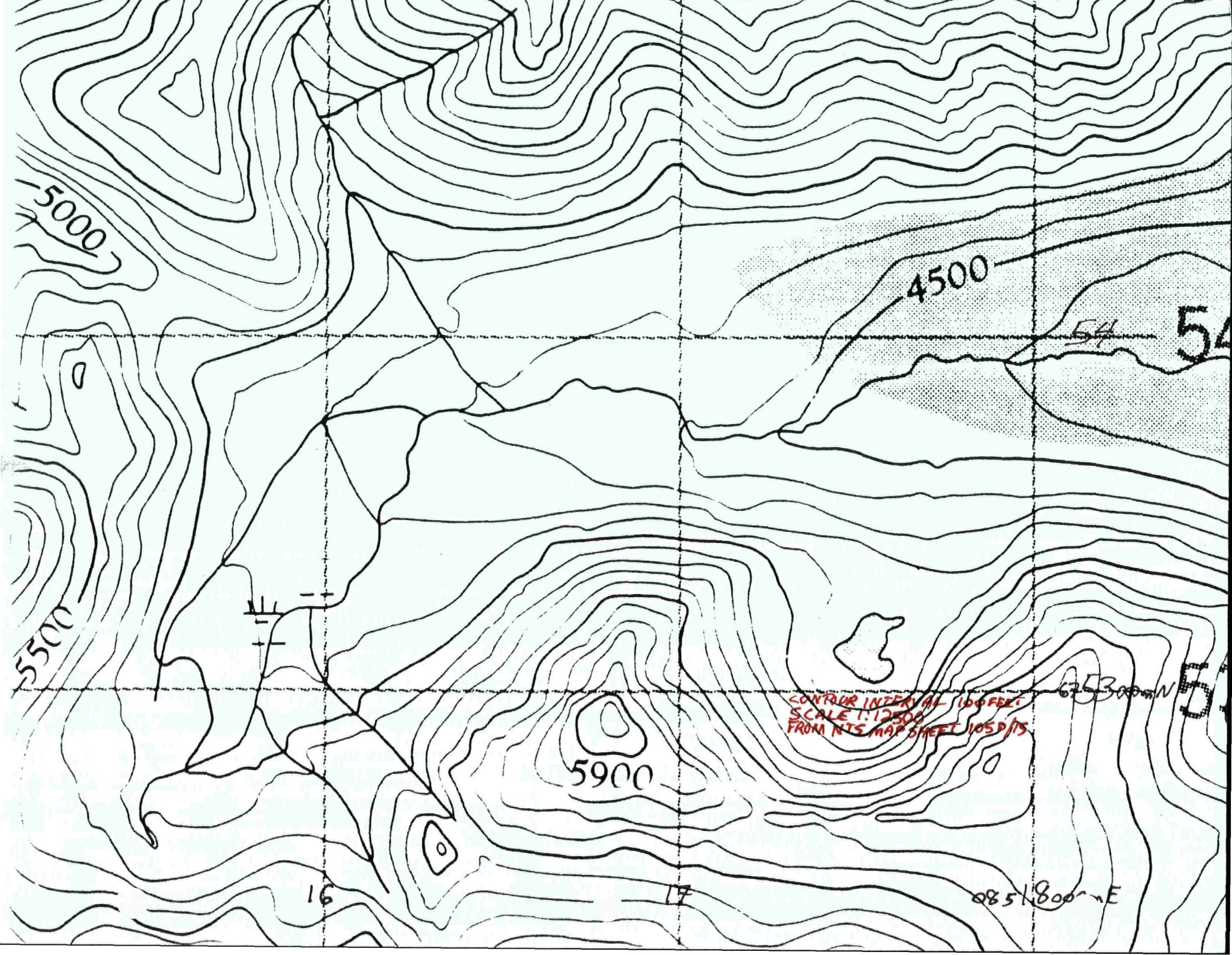
201001

202005

16

17

6851800m E



5000

4500

5900

5500

CONTOUR INTERVAL 100 FEET
SCALE 1:12500
FROM NTS MAP SHEET 105D/15

625300m N

16

17

0851800m E

54

55

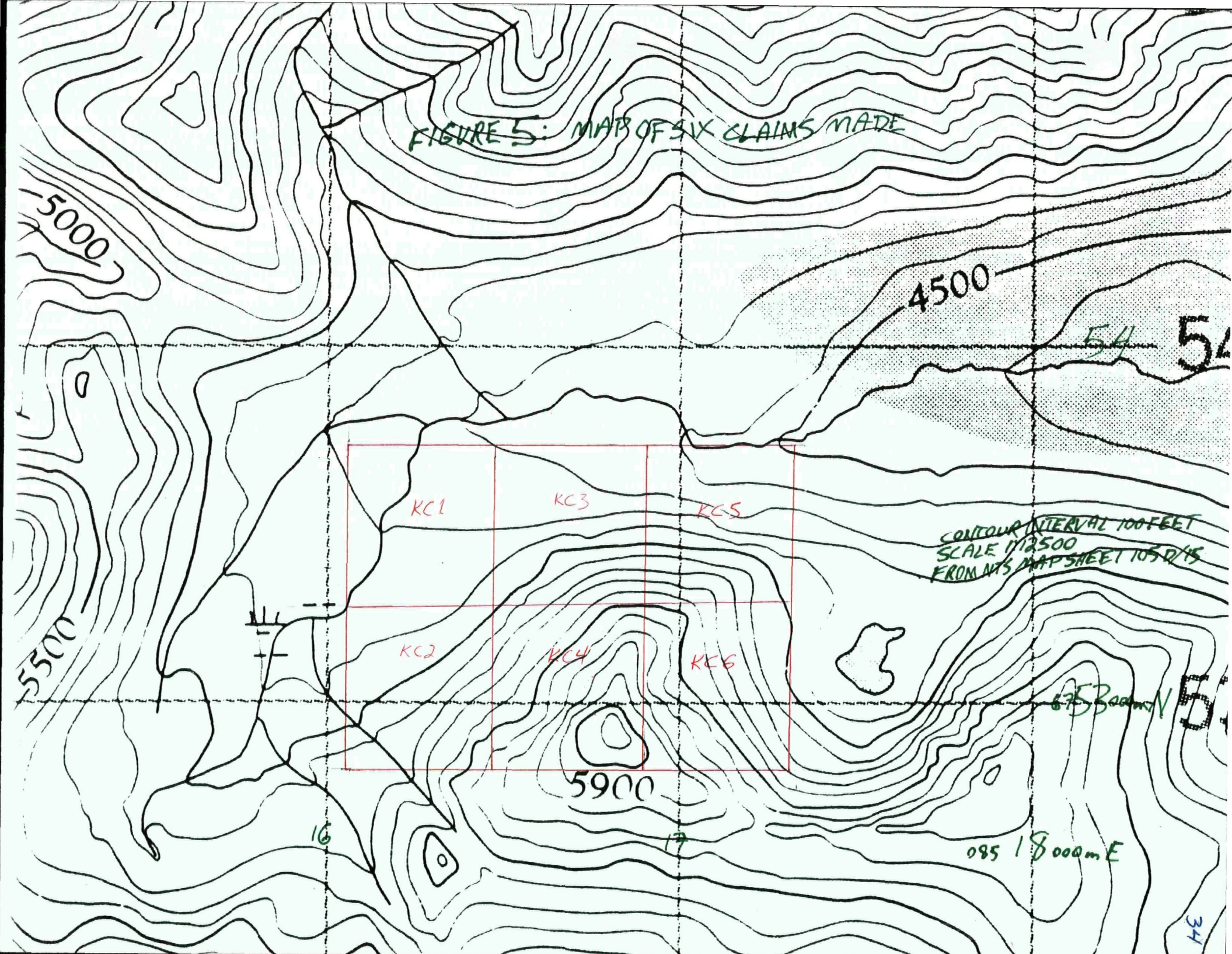
Recommendations

The major find of this project is the large zone of rusty, pyrited, volcanic agglomerate vein exposures (see Figure 3, pictures 1 and 2). These veins are the most probable source of the highly mineralized gold bearing quartz float found in the talus slopes below them (i.e. samples 105015, 111001, 111002, and 113006) This deposit is likely related to the Ace prospect (Minfile # 105D 051) which was located approximately one kilometre east of the area. The Ace prospect was described as a silicified shear zone with mineralization consisting of pyrite and minor amounts of galena, sphalerite and calcopyrite. At the end of the field season I staked the area likely sourcing the fore-mentioned gold bearing quartz. (see Figure 5).

The colours found while panning the streams is an indication that there is free milling gold in the basin. Glacial transportation of the colours from other basins is unlikely due to the high elevations (> 4500 feet) and east - west trend of this basin.

Further work needs to be done on the area. Safety considerations prevented this project from trenching into the hillside to uncover the quartz veins likely sandwiched in the rusty volcanic agglomerates. Thus a trenching project with experienced personal should be the next extension of this work.

FIGURE 5: MAP OF SIX CLAIMS MADE



CONTOUR INTERVAL 100 FEET
SCALE 1:12500
FROM NTS MAPSHEET 105 D/45

KC1

KC3

KC5

KC2

KC4

KC6

5900

5000

4500

54

54

5500

675 300m N

54

16

17

085 18000m E

34

Appendix 1: Physical Description of Rock Samples

Unless otherwise noted, all samples were taken from outcroppings.

- 105002 float in talus slope, pyrite and calcopyrite in a dark fine grain green volcanic rock, rusty weathering.
- 105012 float in talus slope, volcanic agglomerate with pyrite and rusty weathering.
- 105015 float in talus slope, quartz vein with arsenopyrite, galena, pyrite, and rusty weathering.
- 105016 float in talus slope, arsenopyrite in a limonitized altered volcanic
- 105019 rusty weathering, volcanic agglomerate vein.
- 110001 quartz vein with pyrite.
- 111001 rusty weathering, volcanic agglomerate vein.
- 111002 float in talus slope, quartz vein with arsenopyrite, galena, pyrite, and rusty weathering.
- 111004 rusty orange weathering milky quartz vein.
- 111005 quartz vein and gossan with iron oxide minerals, manganese oxide, disseminated pyrite in host rock.
- 111006 milky quartz vein which pinches and swells, solid not vuggy
- 111007 milky quartz vein which pinches and swells, solid not vuggy.
- 111008 pyrite and calcopyrite in a dark fine grain green volcanic rock.
- 111009 milky quartz vein which pinches and swells, solid not vuggy.
- 111010 milky quartz vein which pinches and swells, solid not vuggy.
- 111011 milky quartz vein which pinches and swells, solid not vuggy
- 111020 rusty orange weathering milky quartz vein.
- 111021 rusty orange weathering milky quartz vein.
- 111022 sampling of rusty weathering, volcanic agglomerate and quartz vein, and surrounding rock in contact. For the quartz vein dip 35°, strike 312°
- 111023 milky quartz vein which pinches and swells, solid not vuggy.
- 112001 agglomerate with pyrite.
- 112002 agglomerate with pyrite.
- 112003 agglomerate with pyrite.
- 112004 plutonic intrusive, quartz, feldspar, muscovite granodiorite.
- 113001 milky quartz vein which pinches and swells, solid not vuggy
- 113002 volcanic agglomerate with 50 per cent pyrite and bracciated pyrite in fractures, possibly with calcopyrite
- 113003 20 cm vertical sampling around clayey horizon on a rusty weathering, volcanic agglomerate vein.
- 113004 volcanic agglomerate with 50 per cent pyrite and bracciated pyrite in fractures, possibly with calcopyrite.
- 113006 float in talus slope, quartz vein with arsenopyrite, galena, pyrite, and rusty weathering
- 114002 float in talus slope, quartz vein with some brecciation, malachite and azurite.
- 114003 float in talus slope, quartz vein with some brecciation, malachite and azurite.
- 115001 felsic dyke.
- 115002 point of contact between felsic dyke and dark fine grain green volcanic rock.
- 115003 point of contact between felsic dyke and dark fine grain green volcanic rock.
- 151001 fine grain volcanic with possible calcite veins and 1 to 2 mm sized quartz filled fractures at different angles with disseminated pyrite.

Appendix 2: Geochemical Assay Tables

Geochemical analysis was performed on rock, soil, and stream silt samples taken during the prospecting project. The conventions used in numbering the samples were: a prefix of "1" designates a rock sample; a prefix of "2" designates a soil sample, and a prefix of "3" designates a stream silt sample. The tables from the geochemical analysis performed on the samples are on the pages which follow.

21/08/97

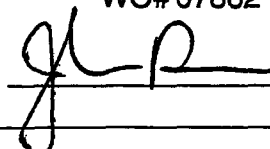
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Page 1

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WO# 07862

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Sample #	Au ppb	Au oz/ton	Au oz/ton
105015		>0.400	0.568
105016		<0.001	
105002	<5		
105012	8		
105019	134		
105020	<5		
201001	7		
201005	18		
201007	12		
202001	18		
202002	7		
202003	6		
202005	13		
203001	11		
203003	8		
203005	<5		
203007	6		
204001	<5		
204002	<5		
204003	5		
204005	17		
205001	<5		
205005	6		
205008	<5		
205012	12		
205017	8		
205019	8		
205022	10		
205030	6		
301006	29		



21/08/97

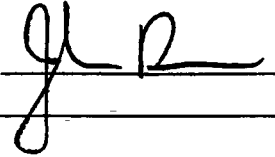
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Page 2

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WO# 07862

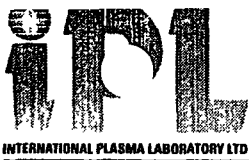
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Sample #	Au ppb	Au oz/ton	Au oz/ton
302004	I.S.		
303002	<5		
303004	I.S.		
303006	<5		
304004	I.S.		
304006	<5		

Note: I.S. means "insufficient sample". (not enough fine material to analyse in soil samples)





CERTIFICATE OF ANALYSIS

iPL 97H0/35

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Northern Analytical Laboratories

33 Samples

Out: Aug 11, 1997 In: Aug 07, 1997

[073511:00:07:79081197]

Project : WO# 7862
 Shipper : Norm Smith
 Shipment: PO#: 332325
 Analysis:
 ICP(AqR)30

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

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B311	33	Pulp	Received as it is, no sample prep.	12M/DIs	00M/DIs

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

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 Assayer: David Chiu

08/10/97

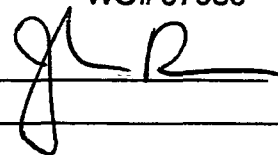
Assay Certificate

Page 1

Gary Grant

WO# 07930

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Sample #	Au ppb	Au oz/ton
110001	<5	
111001	4070	
111002	>7000	0.418
111004	48	
111005	15	
111006	<5	
111007	<5	
111008	<5	
111009	<5	
111010	<5	
111011	<5	
111020	<5	
111021	7	
111022	<5	
111023	<5	
112001	<5	
112002	<5	
112003	<5	
112004	<5	
113001	6	
113002	20	
113003	16	
113004	<5	
113006	>7000	0.279
114002	19	
114003	26	
115001	5	
115002	11	
115003	22	
151001	9	



08/10/97

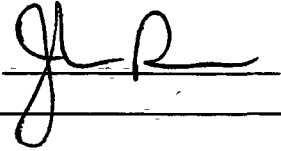
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WO# 07930

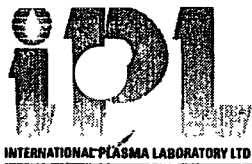
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Sample #	Au ppb	Au oz/ton
214001	13	
252002	6	
252003	<5	
252004	9	
252005	5	
252006	<5	
252007	10	
350001	<25	
350002	<10	
350003	<5	
350004	5	
350005	5	
350006	<5	
350007	<20	
350008	<50	
350009	5	
350010	<5	
350011	5	
350012	5	
350013	6	
350014	12	
350015	<5	
350016	<20	
350017	5	
350018	<10	
350019	5	
350020	7	

Note: Many of the soil samples did not contain sufficient fine material for the standard 15gm fire assay. Precision and detection limits were adversely affected by the reduced sample weights.





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Northern Analytical Laboratories

57 Samples

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

[101212:34:15:79100997]

Project : WO# 7930
Shipper : Norm Smith
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Analysis:
ICP(AqR)30

Comment:

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	Em: NAL@hypertech.yk.ca				

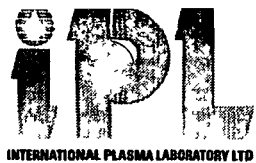
CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
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Analytical Summary						NS=No Sample	Rep=Replicate	M=Month	Dis=Discard
##	Code	Method	Units	Description	Element	Limit	Limit		
						Low	High		
01	0721	ICP	ppm	Ag ICP	Silver	0.1	99.9		
02	0711	ICP	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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 Vancouver, B.C.
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 Phone (604) 879-7878
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Client : Northern Analytical Laboratories
 Project: W0# 7930

57 Samples
 57=Pulp

[101212:34:15:79100997]

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

Page 1 of 2
 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 %
110001	P 0.1	28	4	17	12	<	<	2	<	<	0.8	8	8	11	<	115	35	239	<	16	1	3	0.04	0.45	6.00	0.96	0.42	<	0.02	<
111001	P 5.3	246	978	642	<	<	<	2	<	<	13.4	15	16	13	<	165	38	284	<	21	1	2	0.06	0.48	1.16	2.77	0.44	0.04	0.04	<
111002	P 0.2m	1488	2184	4571	39	20	<	2	<	<	64.2	11	19	3	<	172	19	135	<	11	1	1	0.03	0.34	0.32	2.15	0.20	0.12	0.03	0.01
111004	P 4.0	1767	20	370	<	<	<	4	<	<	2.3	32	10	5	<	91	102	660	<	11	1	7	0.15	1.49	0.74	4.13	1.28	0.02	0.05	0.04
111005	P 0.3	170	15	229	6	<	<	1	<	<	2.5	14	5	8	<	55	53	852	<	23	1	3	0.16	0.75	3.13	1.66	0.68	0.03	0.04	0.03
111006	P 0.3	178	12	231	21	<	<	2	<	<	1.1	44	6	3	<	18	268	837	<	9	2	12	0.25	3.30	0.76	5.85	3.36	0.05	0.08	0.06
111007	P 0.4	162	64	210	10	10	<	2	<	<	0.8	37	6	5	6	23	202	641	<	7	1	9	0.20	2.39	0.61	5.01	2.43	0.06	0.05	0.05
111008	P 0.3	362	12	254	11	<	<	2	<	<	1.4	33	8	19	11	20	180	652	<	15	1	8	0.20	2.12	1.03	4.22	1.98	0.22	0.06	0.06
111009	P 0.2	593	10	313	14	<	<	1	<	<	2.8	26	10	13	14	47	96	1106	<	29	1	4	0.14	1.63	3.47	2.85	1.52	0.10	0.05	0.02
111010	P <	590	4	253	6	<	<	1	<	<	1.9	18	9	6	20	81	40	860	<	24	<	2	0.07	0.81	2.77	1.78	0.74	0.03	0.02	0.01
111011	P 0.4	1769	35	784	14	<	<	2	<	<	4.5	49	22	10	<	62	128	1893	<	25	1	8	0.18	2.53	3.01	4.61	2.17	0.06	0.03	0.02
111020	P <	251	4	251	<	<	<	1	<	<	2.2	13	6	16	<	52	44	1030	<	26	1	3	0.13	0.62	3.45	1.22	0.54	0.04	0.04	0.03
111021	P 1.0	3003	11	715	<	<	<	14	<	<	5.1	60	21	6	<	65	116	1712	<	14	1	6	0.10	2.21	1.27	4.88	1.67	0.03	0.04	0.03
111022	P 0.4	711	11	380	10	<	<	3	<	<	1.8	39	10	11	11	29	168	1271	<	25	1	9	0.19	2.32	2.69	4.60	2.00	0.09	0.06	0.04
111023	P 0.1	131	9	118	14	<	<	2	<	<	0.8	18	7	48	12	90	95	763	<	23	1	4	0.18	1.30	2.35	1.98	1.04	0.38	0.06	0.03
112001	P 0.2	18	5	114	11	<	<	1	<	<	0.3	7	9	177	<	81	18	1603	2	11	1	9	0.06	2.14	0.19	4.00	1.00	0.22	0.06	0.04
112002	P 0.1	12	2	129	7	<	<	2	<	<	0.1	8	7	138	<	71	23	1143	<	8	1	10	0.09	2.13	0.66	4.17	1.07	0.24	0.05	0.05
112003	P <	8	4	74	<	<	<	1	<	<	0.6	4	4	151	<	99	17	523	<	8	1	8	0.07	1.12	0.36	2.22	0.49	0.25	0.07	0.03
112004	P <	6	7	43	<	<	<	1	<	<	<	7	5	69	<	87	35	585	19	16	1	3	0.15	0.64	0.23	1.71	0.53	0.43	0.10	0.06
113001	P 0.8	194	56	147	42	<	<	2	<	<	1.3	27	65	6	96	212	135	870	<	45	1	15	0.02	2.94	4.28	4.04	2.69	<	0.04	0.02
113002	P 5.4	17335	9	181	<	<	<	14	<	<	2.7	172	25	14	<	111	86	455	<	3	5	2	0.11	1.15	0.07	18%	1.10	<	0.01	0.05
113003	P 1.7	5418	11	342	11	<	<	27	<	<	3.5	205	44	6	<	133	338	2203	<	2	5	33	0.19	7.51	0.18	17%	6.17	<	0.01	0.08
113004	P 1.0	4603	7	134	<	<	<	49	<	<	1.0	51	51	6	<	243	170	1472	<	4	8	7	0.26	2.94	0.22	16%	3.15	<	0.03	0.03
113006	P 0.1m	804	4600	5896	155	28	<	1	<	<	80.5	12	20	6	<	145	21	244	<	15	<	2	0.01	0.43	0.84	2.35	0.37	0.22	0.02	<
114002	P 3.5	8986	33	170	<	<	<	2	<	<	1.3	33	23	58	<	85	189	991	2	17	1	15	0.02	3.03	0.18	6.96	3.32	0.03	0.02	0.08
114003	P 2.9	2648	24	135	<	5	<	1	<	<	3.6	9	14	11	<	208	52	246	<	4	<	6	<	0.76	0.05	1.96	0.73	0.02	0.02	0.02
115001	P 0.2	71	15	33	<	<	<	1	<	<	0.3	2	2	33	<	85	3	167	12	16	7	<	<	0.26	1.42	0.80	0.13	0.10	0.01	0.02
115002	P 0.6	113	14	176	39	<	<	2	<	<	1.3	39	118	13	<	272	240	1581	2	102	2	25	0.02	4.56	4.68	6.31	4.56	<	0.04	0.04
115003	P 0.5	145	12	110	9	<	<	2	<	<	0.8	15	16	34	<	100	95	807	13	67	9	9	0.06	1.83	3.10	3.34	1.48	0.04	0.06	0.04
151001	P 0.4	33	4	186	50	<	<	4	<	<	1.5	49	30	12	<	27	366	1004	<	43	4	33	0.12	5.15	3.64	8.27	4.58	0.44	0.04	0.05
214001	P 0.3	64	17	93	28	<	<	2	<	<	0.6	24	44	113	<	63	93	617	12	18	2	5	0.13	2.42	0.42	3.58	1.27	0.11	0.05	0.05
252002	P 0.2	47	14	64	22	<	<	3	<	<	0.5	17	34	196	<	79	88	436	17	25	3	6	0.16	2.26	0.71	3.04	1.20	0.08	0.04	0.09
252003	P 0.1	25	8	45	14	<	<	2	<	<	0.8	14	27	180	<	52	75	587	14	26	1	5	0.15	1.69	0.66	2.92	0.86	0.04	0.05	0.07
252004	P 0.7	118	41	69	61	<	<	7	<	<	0.5	38	60	445	<	98	156	451	30	33	3	9	0.08	3.99	0.78	5.39	0.99	0.14	0.05	0.15
252005	P 0.5	46	9	82	13	<	<	12	<	<	0.9	22	34	179	<	67	258	1170	27	29	2	6	0.11	3.18	0.93	9.57	1.04	0.05	0.03	0.18
252006	P 0.2	19	13	42	20	<	<	2	<	<	1.0	11	21	68	<	47	83	360	10	13	1	3	0.13	2.18	0.21	2.96	0.61	0.06	0.03	0.04
252007	P 0.2	32	10	44	19	<	<	2	<	<	0.8	11	29	81	<	50	73	292	11	13	1	3	0.10	2.13	0.23	2.79	0.74	0.05	0.03	0.05
350001	P <	22	9	49	12	<	<	2	<	<	0.8	13	28	64	<	48	68	505	7	14	1	4	0.10	1.33	0.43	2.63	0.98	0.04	0.04	0.06
350002	P <	21	15	43	9	<	<	2	<	<	0.6	12	23	66	<	41	59	498	8	15	1	3	0.08	1.11	0.42	2.23	0.76	0.04	0.03	0.06

Min Limit	0.1	1	2	1	5	3	1	10	0.1	1	1	2	5	1	2	1	2	1	2	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	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	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP
---No Test	Ins=Insufficient Sample	Del=Delay				Max=No Estimate				Rec=ReCheck				m=x1000				%=Estimate %				NS=No Sample P=Pulp								

Summary of Daily Log for Gary Grant's Prospecting Project at Joe Mountain

Four trips were made to the project site, for a total of 30 days of prospecting by myself and my assistant. Dates worked and descriptions of work done are detailed below. The attached map locates the areas where work was done. Assayed samples cited (i.e. 115002) were collected on that day. Detailed locations of all assayed samples are mapped on the geochemical overlays in the accompanying "Technical Report". Sample numbers were coded as follows: prefix "1" designates a rock sample; prefix "2" designates a soil sample; prefix "3" designates a stream silt sample. A photocopy of the actual daily log also accompanies this summary.

Trip One: July 14 - 17, 1997.

Summary A float plane was taken to and from the north end of the southern of the two M'Clintock Lakes, where base camp was set up. The purpose of this trip was to investigate the easterly portion of the project area, and to see if the lower cost float plane (as compared to helicopter) could be used to access the project. The combination of dense bush, swampy ground, and insects led to the conclusion that the float plane would be inappropriate for further exploration.

July 14/97 Explored various starting branches of local trail networks. No outcrops of rock found, ground consisted of soil covered glacial till.

July 15/97 Tried to push west along trails to reach project site. Unnavigatable marsh encountered. Ground consisted of soil covered glacial till. One granitic outcrop was found.

July 16/97 Hiked to next drainage system south to attempt access to project site. Bush eventually became too dense to travel. No outcrops of rock found, ground consisted of soil covered glacial till.

July 17/97 The two river mouths on north shore of the southern M'Clintock Lake were panned. No colours found.

Trip Two: July 23 - 25, 1997.

Summary Helicopter taken to alpine region of project area. A number of rock, soil and stream silt samples were taken in the area. Subsequent assays showed one of these rock samples from a talus slope to yield 0.568 oz/ton of gold.

July 23/97 Walked 3 lines taking rock, soil, and stream silt samples. Collected assayed samples 201001, 201006, 201007, 202001, 202002, 202003, 202005, 203001, 203003, 203005, 203007.

July 24/97 Walked 2 lines taking rock, soil, and stream silt samples. Collected assayed samples 204001, 204002, 204003, 204005, 105002, 105012, 105015, 105016, 105019, 105022, 105030.

July 25/97 Tried walking down valley on north slope but the brush was too thick. Walked to the backside of the 6000 foot peak lying to the immediate south.

Trip Three: August 9 - 21, 1997.

Summary The purpose of this trip was to source the talus slope rock (quartz vein with arsenopyrite, galena, pyrite, and rusty weathering) found in the previous trip, which ran high in gold.

August 9/97 Returned to talus slope where high running quartz was found. More float of a similar makeup was found. Hillside above was searched for quartz vein, none found.

August 10/97 Hiked to backside of mountain above talus slope (see August 9/97). Quartz vein outcrop found.

August 11/97 Dug out and exposed quartz vein found in previous day. No galena or rusty weathering associated with this quartz vein. Collected assayed sample 110001.

August 12/97 Back to search hillside above talus slope (see August 9/97). Quartz vein found sandwiched by rusty, red weathering, pyritized volcanic agglomerates. Also searched the slope east of the lake for quartz outcrops. Float was found, but no outcrops. Collected assayed samples 111001, 111002.

August 13/97 Dug out, photographed, and sampled quartz vein found on August 12/97. Collected assayed samples 111004, 111005, 111006, 111007, 111008, 111009, 1110010, 1110011.

August 14/97 Dug and panned Placer Pit 1 for placer gold.

August 15/97 Hiked to eastern reaches of project area to sample tourmaline breccia outcrops shown on geological map of the area. Collected assayed samples 112001, 112002, 112003, 112004.

August 16/97 Mapped rusty, red weathering, pyritized volcanic agglomerate vein exposures on hillside above talus slope (see August 9/97). Dug and panned Placer Pit 2 and 3.

August 17/97 Continued following small quartz veins and tracing large quartz float on hillside above talus slope. Collected assayed samples 111020, 111021, 111022, 111023, 113001, 113002.

August 18/97 Continued following rusty, red weathering pyrited volcanic agglomerate vein exposures on hillside above talus slope. Collected assayed samples 113003, 113004.

August 19/97 Continued following rusty, red weathering pyrited volcanic agglomerate vein exposures on hillside above talus slope. Collected assayed sample 113006.

August 20/97 Crossed valley to prospect the area where a GSC gold geochem anomaly was noted. Also hiked up peak to the east to investigate a green stained outcrop. It turned out to be moss. Collected assayed samples 114002, 114003, 214001.

August 21/97 Investigated orange staining on hillside east of main study area. It was a felsic dyke. Collected assayed samples 115001, 115002, 115003.

Trip Four: September 2 - 11, 1997.

Summary The purpose of this trip was to continue to try to source the large pieces of mineralized quartz float found in the talus slopes of the hillside which became the main focus of the study.

September 2/97 Went back to the area of Placer Pit 1, and dug, panned, and collected the heavies from 12 pans of creekside gravel.

September 3/97 Went back to the area of Placer Pit 1, panned gravels at various points along the course of the stream.

September 4/97 Prospected east facing slope above lake. Lots of rusty quartz float and quartz veined debris. Small barren quartz outcrop found on slope immediately south of lake.

September 5/97 Took stream silt samples from far east portion of project area. Collected assayed samples 350001, 350002, 350003, 350004, 350005, 350006, 350007, 350008.

September 6/97 Continued following rusty, red weathering, pyrited volcanic agglomerate vein exposures on hillside above talus slope, concentrating on higher, eastern portion overlooking the lake.

September 7/97 Continued following rusty, red weathering, pyrited volcanic agglomerate vein exposures on hillside above talus slope, concentrating on eastern the portion. Collected assayed sample 151001.

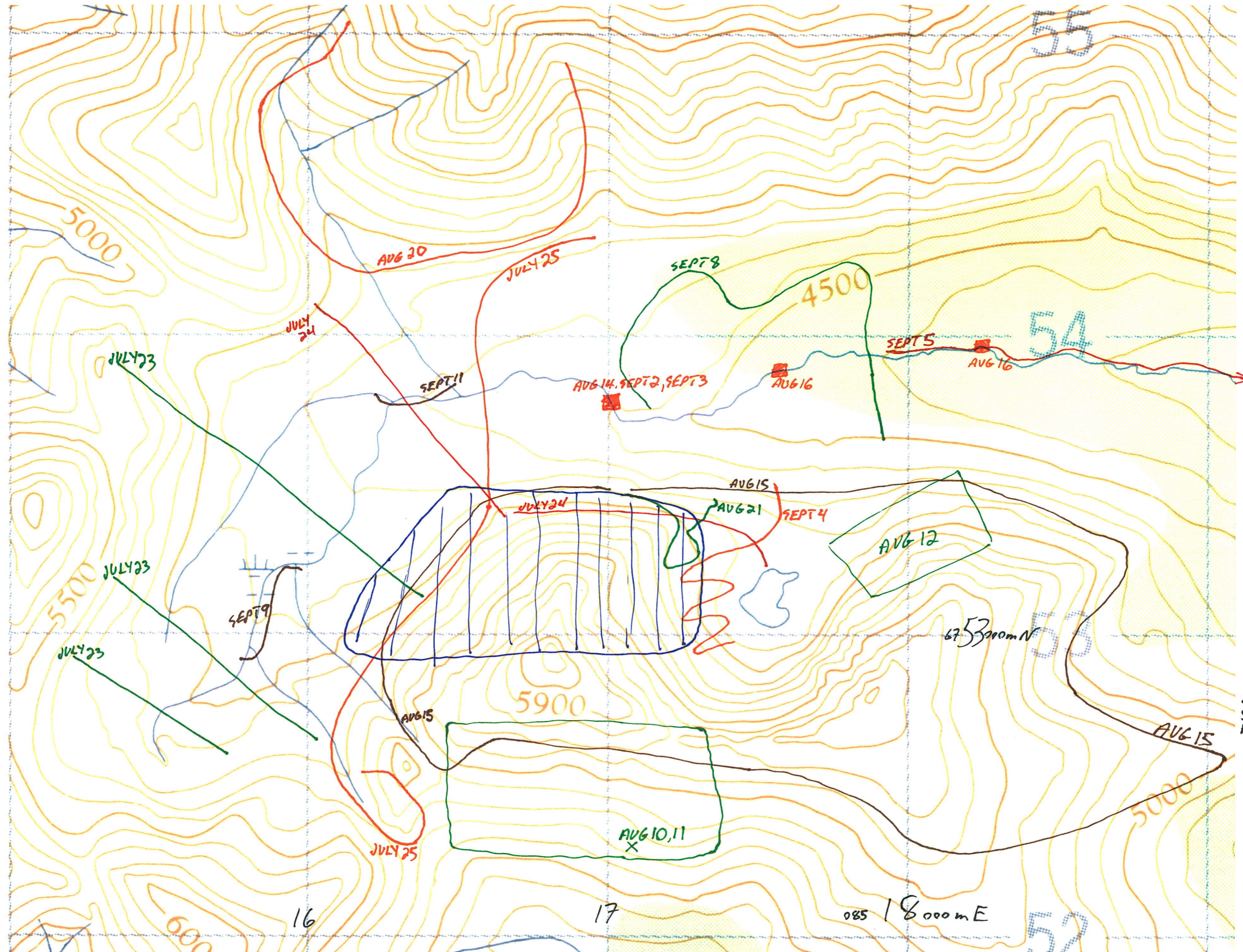
September 8/97 Continued following rusty, red weathering, pyrited volcanic agglomerate vein exposures on hillside above talus slope, concentrating on the higher, middle portion. Also went to eastern end of area and collected assayed samples 252002, 252003, 252004, 252005, 252006, 252007, 350009, 350010, 350011.

September 9/97 Continued following rusty, red weathering, pyrited volcanic agglomerate vein exposures on hillside above talus slope, concentrating on the higher, middle portion. Went western end of drainage and collected assayed samples 350012, 350013, 350014, 350015, 350016.

September 10/97 Continued following rusty, red weathering, pyrited volcanic agglomerate vein exposures on hillside above talus slope. I approached from the backside of the 6000 foot peak, concentrating on the area directly north and below the peak.

September 11/97 Continued following rusty, red weathering, pyrited volcanic agglomerate vein exposures on hillside above talus slope, concentrating on the higher, western flank. Collected assayed samples 350017, 350018, 350019, 350020 from western portion of drainage.

MAP OF AREAS PROSPECTED, ACCOMPANYING THE DAILY LOG FOR GARY GRANT'S PROSPECTING PROJECT AT JOE MTN.



LEGEND
 [Vertical lines] - AREA SEARCHED ON AUG. 9, 12, 13, 16, 17, 18, 19, AND SEPT. 6-11

→ TO THE M'CLINTOCK LAKES, TRIP ONE (JULY 14-17)

CONTOUR INTERVAL 100 FEET
 SCALE 1: 12500
 FROM NTS MAP SHEET 105D/15

6753074N

STOP 1 08 525370E

STOP 5253500E

ON

FF

525000E

524000E

525000E

STAY

WANT TO GO TO

15/77
2000

~~EXPLORED LOCAL TANKS NO. 2000~~

6753239N

08 526054E

BASE CAMP

July 1997

(403) 668 7761 DEFRICK

BLAKE STEEP AVIATION

HF = VOHTM

HOME 403 633 6541

OFFICE 403 668 7268

TOM & EVELYN PASSETKA

TAGISH AIR

91

21221

6753480 N

08525283E

STOP 3

END

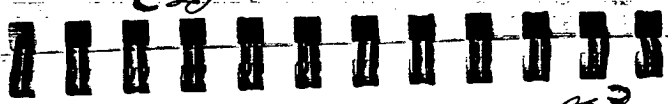
N0600 DEED

6753705 N

08525088E

STOP 3 (MMP) (dwdms) C JUIS

psd



NAMING CODES

psd

A BB CCC

A: 1 ROCK

2 SOIL

3 STREAM SED

BB - LINE #

00 MEANS NOT ON A LINE

CCC - SAMPLE #

SAMPLE A1 08

524285E

6753757N

2135 EL

1 00 001

EXPOSED ROCK FACE

- CHIP SAMPLE

- FACE RUNS 329°

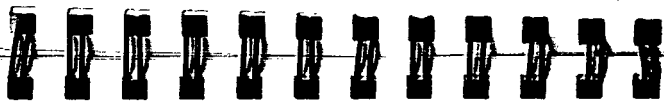
ALMOST 90° DIP STRIKE

6753608N
08515924E
END OF LINE 2

6753365N
515521E 80
5100 300 METERS TO
FOLLOW W RIDGE
LINE 2 (W-2)
OF LINE 1 TO END LINE 2
TAKEN 11/10/08
SAMPLE 08515924E

6753197N
08515391E
END OF LINE 1
10000

156



157

LINES F → W
START 08516333E
6753108N

END OF LINE 3
08515365E
6753921N

JULY 31
975 1m
ASSUMING
THIS SHOULD
BE A 300

THURS JULY 24 START LINE

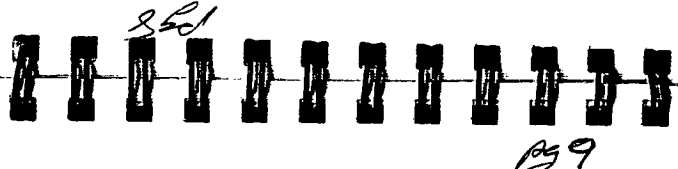
#4 (NOTE LINE 1 HAD
TWO 25 SAMPLES - THEY
CAME FROM SAND CLOSE TOGETHER)
START 08516007E
6753407N
HEAD 135° TO FINISH
- 0304004 IS IN VALLEY BOTTOM
- 3040006 IS IN GULCH AT
END OF LINE

~~2040006~~

TAPE AREA W/ 001

ROCK MARKED WITH ALUMINUM
DOWN VALLEY FROM START
SLOPE JUST ABOVE +
BOTTOM OF TALLE
FROM RUSTED ROCK W/ IT
- 105002 CHIP SAMPLE
- ALT 4900 FT (WATER)
AREA AS 304006
- 205001 IS IN SAME
MOVE DOWN VALLEY
X-VALLEY X-SECT(S) AND
TOO THICK TO CONTINUE
WILLOWS START (WILLOWS
BOTTOM OF TALS BEFORE
OF LINE 4 FOLLOWS
- LINE 5 STARTS AT END

END OF LINE 4
AT 08 516 564E
6753 082N



198

199

PROMINENT GOSSAN
DIRECTLY ABOVE ON
CLIFF FACE - WALKABLE
- 105003 (4 002) BOTH
HAVE GOLDEN METALLIC
VEINS - 003 IS 20 FT
UP VALLEY FROM 002
- 105004 IS SURROUNDING
ROCK RUSTED ROCK
- 105019 - FROM
4800 FT, I HIKE D
UP TO GOSSAN SEAM
& TOOK SAMPLE

- 205002 END OF
ALINE/BELW LAKE)
4800 FT (WATER)
08 517 535E
6753 176N

MARKED W/FLUORINE (PINK) - ALSO FOUND
- COINDED W/ ALONG BASE - FOUND 105015
FLOAT STILL EVIDENT

AT 5040 FT FROM HIGHEST QUARTZ
- COULD NOT GET TO TOP STOPS
OF SOME QUARTZ ON OUTCROP
NEAR SPERMALS - EVIDENCE
6 PM (AND WEATHER IMPROVING)
TO A GREEN-WHITE LAYER
WITH LOTS OF WHITE CLINITE
GREEN ROCK (W/ CLINITE)
MENTIONED IN THE REPORT
CHANGE FROM MUD-BROWN
QUARTZ VEIN, SAW OUTCROPS
W/ LAKE ENTRANCE FOR
SCOPES ABOVE CAMP (JUST
SPENT DAY CHECKING N CAMP)
CAMP AT 5580 FT
08519 304E (4640 FT)
67535 53N (WATER)

SAT AUG 9/97



Pg 13

LARGE SIMILAR (RUSTY QUARTZ W/ ARSENOPYRITE &
GALENA) BUT LARGER (24" x 16") PIECES &
(ALSO MARKED) WITHIN 200' - BOTH SIDES

SUN AUG 10/97

- HIKE TO ^{WHERE} QUARTZ VEIN / FLOAT 75
ALONG OLD MAP - 6120 FT (BACKSIDE
FROM CAMP)
60° 54.45N 085173E
134° 41.05W 67535N

- QUARTZ OUTCROP FOUND!
- ~~PHOTOGRAPHING~~

~~08516 625E 08516 604E~~

6750 535N 67504E

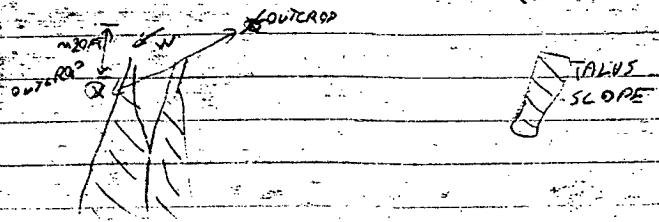
60° 53.50N 085580 FT

134° 41.62W WATCH

- FLAGGED WITH PINK & YELLOW
MULTIPLE MARKS

MON AUG 11/97

- HIKE BACK TO OUTCROP
- 150 FT W OF ABOVE OUTCROP, ANOTHER (SAME?)
WAS FOUND & LARGE QUARTZ FLOAT LEAD UP TALUS SLOPE
& STOPPED AT THIS 2ND OUTCROP



CO-000 OF 500 FT (PEAR)
2
3

HERE THE 1987'S
- I NOW PRESUME THESE REPAIRS
- GREEN & BROWN IN THE VEIN
- QUARTZ VEIN INSIDE (HANDMADE)
- (SIDE; THIS MORNING I FOUND
- QUARTZ BELOW (ALL THIS)
- LESS PRESSURE - QUARTZ ENDED
- 5600 FT - RED STAINING WENT
- NO MORE QUARTZ FLOAT AT
- FIND
- TRACED FLOAT UP FROM ORIGINAL

THE AVG. 12/19

DIRECTLY ABOVE IT (IE. BACK IN OTHER VALLEY
- HAVE DECIDED TO TRY TO TRACE 1050'S FROM
HERE & STONE RESSAILED
GET CHANGED FROM GREY TO LIGHT GREEN
WHERE FLOAT STOPPED - ROCKS IN TALS
SLOPE - PLACED CANN W/ FLAGGING TAPE
- CHANGED FLOAT CHECKED (NO SIG. MIN.) UP THIS
- SAMPLE 110001 IS INDICATIVE OF VEIN
PARTS GREEN ROCK W/ PARTICLES ABOVE IT
OVERLAP - GREEN TINGED QUARTZ - FINE GRAINED
- NO SIGNIFICANT MINERALIZATION FOUND IN EITHER
BEFORE MAKING IT
- LOOK 2 PICTURES (2/19) ON ROLL) OF OVERLAP



5520 FT (WATCH) SAMPLE
111001 - RED STAIN
SEEN ABOVE (2100 FT VER)
- NO VEIN (QUARTZ)
- AT 5480 FT, CLIFF
FACE, RED STAINING
STARTS, & AT TOP OF
RED STAINING, QUARTZ
FLOAT - 6-8" WIDE,
1" x 2" - SAMPLE 111002 -
GALENA PRESENT - PICTURE
456 - SITE
MARKED W/ YELLOW & PINK
FLAGGING
- NO QUARTZ FLOAT ABOVE 5480
- VERY LARGE PIECES
THEN START IE UP TO 2'
THICK - PICTURE 7 - MANY
LARGE PIECES JUST
BELOW 111002 (5460 FT)
- I ASSUME QUARTZ VEIN

PARALLEL WITH VEIN - QUARTZ VEIN

- PIC 12, 13, 14, 15 SHOW QUARTZ VEIN

ABOVE CAMP

- WILL WORK QUARTZ VEIN DIRECTLY

WED AUG 13/97

NOT TOO EXTENSIVELY - STOPPED

FOUND QUARTZ FLATTENED RUSTY VEINS, BUT NO QUARTZ VEIN - DID

ON RIDGE NE OF LAKE - VEIN/DYKE ON GEOLOGICAL MAP

- TRIED TO FIND QUARTZ

3599 258 240

COORD

AREA BELOW 11000

PINK FLAGGING MARK

- AT 5100 FT YELLOW

CHIPS IN 4 BUCKETS VEIN

OUT, LOOSE SURROUNDING ROCK

RED ROCK - VEIN WEATHERING

SEGMENTED BY RUSTY



PICK POINTED AT QUARTZ

1517

- PIC 16 2' RIGHT SIDE OF QUARTZ VEIN ABOVE -> SHOWS GAP LEFT AFTER QUARTZ VEIN HAVE "WEATHERED" OUT (ACTUALLY SURROUNDING ROCK ~~AREA~~ WEATHERED OUT, TAKING QUARTZ W/ IT)

- PIC 18 -> MORE QUARTZ FOUND ON CLEARING -> BASE OF HANDLE

- QUARTZ NOTED IN PIC'S 12-15 -> BELOW METAL

HANDLE TRANSITION - SAME GREY VEIN AS ABOVE -> PICK - RUSTY ORANGE STAINED WHITE QUARTZ - SEPARATE VEIN

-> 111004 - RUSTY ORANGE STAINED QUARTZ SURROUNDING ROCK - PICS 19 & 20 BEFORE AFTER REMOVAL FROM WALL - VEIN APPEARS TO

DISAPPEAR INTO UPPER LEFT EMPTY CRACK

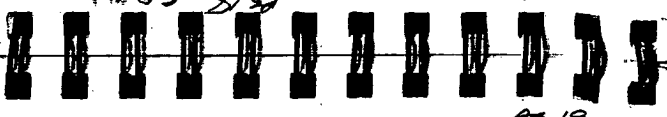
- 111005 WALL ROCK W/ QUARTZ

- 111006 BET QUARTZ - ON TOP

- DEPTH - NO COLOURS
 - TEST PIT IN DRY BRANCH
 - WENT TO STREAM BEND BELOW CAMP
 - TAKING IS WEST
 - CHECKING FOR PLACER TODAY, WHILE
 NIGHT-TENT ALMOST BLOWN DOWN
 - INTENSE HAIR SMOKE LAST

THUR AUG 14/97

- 11010 } VEIN (MAY)
 - 11009 - ADJACENT VEIN
 - 11008 - ROCK BELOW GREEN
 - 11007 - COVERED BY VEIN
 SET IN NO. 18
 OF SAMPLES BOTTOM COVERED
 BY GREEN



1819

- 6" - 1 COLOUR
 - 10" - 1 COLOUR
 - 18" - NO GOLD, BUT 1
 SILVER-WHITE COLOUR, FLAT
 PIECE MUCH HEAVIER THAN
 BLACK SAND LARGE ROCK & CLAY LAYER IN
 WATER PREVENTED FURTHER DRIVING
 - WALKED DOWN TO CLAY
 TO LOOK FOR GOOD PLACER
 SPOTS

FRI AUG 15/97

- WILL CHECK TOURMALINE BRECCIA'S
 - MADE IT TO 08 518453 E
 6752838 N
 5240 FT WATCH
 - AT 08 518573 E
 6751716 N
 5080 WATCH
 TOURMALINE BRECCIA OUTCROP
 SAMPLES 112001, 2, 3 FROM
 OUTCROP

THREE SILVER COLOURS
WAS HEAVY FATHOM BLACK
AND LOOK LIKE COIL
UNDER THE LENS

100 MOUNTAIN WATER
16" - 2 SILVER COLOURS
14" - 5 SILVER COLOURS
(Heavy thin 10.5)
10" - 3 SILVER COLOURS
(Light thin 10.5)

MAP ABOVE
PLATE - DIRECTLY BELOW
- MAP ABOVE

4660 FT WATCH
695356N
0851910E SATELL.

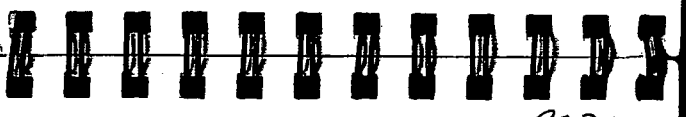
- WILL MARKED BEAMS ABOVE CAMP
- BASE CAMP CHECK

(SAT AUG 16/97)
(SATELLITES)

MARKED WITH BEAM IN FATHOM
4940 FT WATCH
695141N

0851910E
- 112004 FROM
WOOD 1000 -
VERY LARGE
GRAINED ROCK
(OUTCROP)

0820



B321

- BEND OPPOSITE PEAK W OF LAKE
- 2" - 1 GOLD COLOUR
- 8" - 2 GOLD, 16 SILVER (GOLD & SILVER FLAKES HAVE SIMILAR DEVICES)
- 12" - 8 SILVER
- 14" - 7 SILVER
- 18" - 8 SILVER

- FOUND A PEBBLE WITH "SILVER" IN IT WHICH LOOKS THE SAME AS THE SILVER COLOURS - IT IS IN THE FIRST AID KIT IN A ZIP LOCK

- 22" 1 GOLD, 8 SILVER
COULD DIG DEEPER

COORD 08 518 20NE
6954 190N
4600 FT WATCH

(SAT AUG 17/97)

- WINDY RAIN STORM LAST NIGHT
VERY COLD & CLOUDY TODAY
- BACK AT QUARTZ USE IN

STRIKE 312° (to plan)
 DIP 35° (DOWN)
 FOR VEIN IN 11003
 (WITHIN 5m)
 = 11003 - BESIDE 11002
 OF 11002
 100m HIGH & 60m E
 - 113001 - QUARTZ VEIN
 ROCK - ^{30m high} ^{100m long}
 & SURROUNDING (CONTACT)
 - 11002 - SAMPLED DE VEIN
 ATTACHED
 BOTH IN PLACE BUT NOT
 - 11002 - SAME AS ABOVE
 W/VEIN
 WAS (PART) ASSOCIATED
 - 11000 FLOAT (1 BROKE
 (LEAVING A GAP)
 - WILL START AT 11000
 ABOVE CAMP

300



303

- 113002 - 20m W of 11022
- 29 AUG 18/99
- 113003 - 20cm VERT
 SAMPLE AROUND CLAYEY
 HORIZON ON A RED VEIN
 - MARKED W/RED
 - 100m? ~~W~~ 11022
 ON E SIDE OF TALUS SHOT
- 113004 - 100' UP FROM
 113003
- RECURRING THEME - FOLLOW
 QUARTZ FLOAT UP AND ABOVE
 WHERE IT ENDS IS EITHER
 A RED VEIN CLIFF FACE, OR
 AN OUTCROP WITH A "CAVE"
 KIND OF SHEDY SHAPE
 OF POSSIBLE VEIN WITH
 LOOSE ROCK INSIDE WITH
 A ~~FLAT~~ QUARTZ VENEER ON
 ONE FACE.

WALL ROCK
 SEEN BETWEEN QUARTZ &
 OR A WIDE CARBON
 MAROON WEATHERING (1cm)
 ZONE (SOFT, CRUMBLY GREEN)
 WALL ROCK - ALTERATION
 FLOAT STILL ATTACHED TO
 - PIC 21 SHOWS A QUARTZ
 ALSO SHOWING UP
 TILTS SLOPE (GALENA)
 - AT 1700 (STRAIGHT UP)
 THICK 18" APPROX
 FLOAT UP TO 4"
 QUARTZ OVER, AND GALENA
 MINERALIZATION BUT
 QUARTZ STOPS TO SHOW
 AT 085 16867 E
 CAMP
 TILTS SLOPES FROM
 MOVING E AND ALONG
 THE AVE 19/97 1324

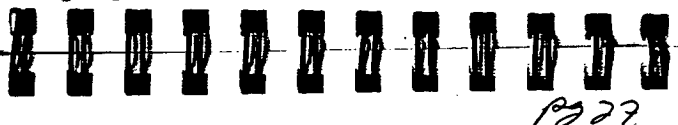


- 113005 & 6 (SARRE)
 - 08 516 783 E (PIEC)
 6 753507 N
 EXCELLENT MIN.
 - FLOAT, DIRECTLY
 BELOW FALSE PEAK
 AT 4800 FT
 - PIC 22 = 4870'
 50m W OF 113005
 QUARTZ FLOAT OVER 1'
 THICK
 - PIC 23 - 5040' ABOVE
 PIC 22 - NOTE
 UPPER & LOWER ALT.
 LAYERS (MAROON)
 - PIC 24 & 25 - AREA
 STRAIGHT UP FROM PIC 23
 - THE RED VEINS SEEN ABOVE
 ALL ENDED IN CLIFFS WITH
 TOP HALF EXPOSED, OR TOP
 HALF EXPOSED AND DOWNWARD
 POINTING CAVE, OR ELSE

HILLSIDE BETWEEN
 214001 - SOIL SAMPLE IN
 MAIN SITE
 - PIC 26 - OVERVIEW OF
 VALLEY
 FROM 1.7000 FT
 - GSC SITE
 (26/00)

FROM 2 PANES
 BOTTLE - IN SOIL
 FLAKE IN SOIL
 COLLECTED "SILICIFIED"
 PANES

ABOVE
 SETS OF RED SAND WITH
 (RAIN COMING) TWO MORE
 - HAD TO STOP AT 5000'
 A CRACK IN THE WALL ABOVE
 (1' OR LESS) AND FOUND
 THE RED WAS SMALL
 206



207

TWO RIVERS ABOVE
 GSC SITE
 LO ORD 085 15873 E
 6754708 N
 5400 FT WATER
 - COULD NOT TAKE
 STREAM SEEDS - RIVER
 DRY, & ROCK TOO DEEP
 - 114002 - QUARTZ
 FLOAT IN GSC VALLEY,
 5200 FT IN RIVER
 BED (ABOVE CONFLUENCE)
 - 114003 - FLOAT, 5100'
 GSC VALLEY IN RIVER BED
 - WALKED TO NEXT VALLEY
 E (DIRECTLY OPPOSITE
 CAMP) TO INVESTIGATE
 GREEN STAINING SEEN ON BLACK
 OUTCROP - MOPS (LICHEN)

SURROUNDED BY GREEN
 DYE, FEW MILES
 APPEARED TO BE A
 - ORANGE ROCK
 CONTACT AT 11500
 FROM OUTCROP AT
 - 11500 TAKEN AT
 GREEN ROCK
 SURROUNDING LIGHT
 AT BETWEEN ORANGE
 OUTCROP AT CONTACT
 - 11500 TAKEN FROM
 AT FOOT OF OUTCROP
 - 115001 - FOUND LOOSE
 CAMP
 200' UP FROM
 15' 150m W END
 ORANGE DIRT UNDE
 SPOT WITH LIGHT
~~ORANGE DIRT UNDE~~
 - WENT TO CHECK
 THREE ARE 2

pg 28



ROCK ON BOTH SIDES
 THE GREEN ROCK IS
 THE SAME KIND AS
 ABOVE CAMP

STUDIED TOPS ETC TO AVOID
 RAIN PERMITTED
 - CONTINUED PLASTER TRENCH AS
 RAIN PERMITTED
 - STUDIED TOPS ETC TO AVOID
 RAIN
 - CONTINUED PLASTER TRENCH AS
 RAIN PERMITTED
 - STUDIED TOPS ETC TO AVOID
 RAIN
 - CONTINUED PLASTER TRENCH AS
 RAIN PERMITTED
 - STUDIED TOPS ETC TO AVOID
 RAIN

THURS SEPT 4/97

LAST TIME
 IN SAME PLACE AS
 - SET UP BASE CAMP
 - WENT TO RIVER AT HEAD
 BELOW CAMP - STAYED
 DIPPING TRENCH IN DEEP
 BED, PANNAK, & COLLECTING
 MEMBERS IN SOURCE OF POTTS
 - WENT SEPT 3/97
 - DUMP DEBRIS
 - STUDIED TOPS ETC TO AVOID
 RAIN
 - CONTINUED PLASTER TRENCH AS
 RAIN PERMITTED
 - STUDIED TOPS ETC TO AVOID
 RAIN
 - CONTINUED PLASTER TRENCH AS
 RAIN PERMITTED
 - STUDIED TOPS ETC TO AVOID
 RAIN

TUE SEPT 2/97 0930



LOTS OF RUSTY QUARTZ
 FLOAT & QUART VEINED DEBRIS

FRI SEPT 5/97

- LOW CLOUDS & RAIN
 - FINALLY DECIDED TO
 GET ON RAIN EARLY
 TO STREAM SETS
 - WALKED DOWN VALLEY,
 SAMPLED ON WAY BACK

- 350001 → 08 520 ~~111E~~ 6753 ~~675N~~
- 350002 08 5 19 785 E
6753 950 N
4340 FT WATER
- 350003 19 306 E
53641 N
4440 FT WATER
- 350004 19 132 E
53860 N
4500 FT WATER

STATION 1000

NO WIND - 2500 FT - 3 P.M.
- DAY STARTED CLEAR
WATER TO GET TOP
TO STATION 1000 - FROM
SAYS 4600 - 7:15 P.M.
WATER SAYS 4800 - 7:15 P.M.
- CHECK AT RIVER

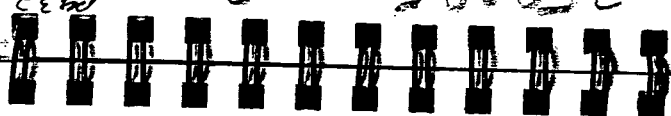
500 SEP 7 6/9

4700 FT
N 096 S 3300
E 986 E 2000 SE - (N 90)

4600 FT
N 096 S 5400
E 986 E 2000 SE -

4600 FT
N 096 S 5400
E 986 E 2000 SE -

4600 FT
N 096 S 5400
E 986 E 2000 SE -



- EXPLORED W FACING ^{Pg 33}
SLOPE IN BOWL
OVERLOOKING LAKE.
FOUND OLD FORTS,
PROBABLY FROM
BEN'S CLAIM.

LOTS OF RUSTY
QUARTZ FLOAT FOUND,
ALSO QUARTZ VEINLETS
IN FLOAT. NOT ABLE
TO SOURCE THIS
FLOAT THOUGH.

- COMPASS NEEDLE
SEEN TO BE WAVING
HERE BY UP TO 50
OVER APPROX 5 MIN
INTERVALS WHILE I
STAY STATIONARY.

SEARCHED WESTWARD
FLANK OF HILLTOP

SEPT 11/93

TURNED AROUND

DOWN THIS WAY SO WE

CARRY MOUNTAIN COME

ROAD ABOUT 300' BELOW

SEARCHED FEW FEET

TOP

ACCESS TOO LOW

FROM EAST SIDE

AROUND PEAK & DOWN

WITH TRY TO COME

SEPT 10/93

THAT LOGS ARE LOW

THROUGH THEM UP HILL NOW

WALKING WITH EASIER

14, 15, 16

SOMEWHERE SHOULD BE

LOGS AND TOOK

MARKED TO KEEP ON

336



337

- QUARTZ FLOAT DISAPPEARS
HERE

- NO SOURCE

- TOOK 47 LEAD SETS


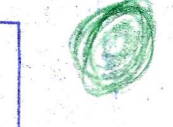



39017, 18, 19, 20

MARKED ON MAP

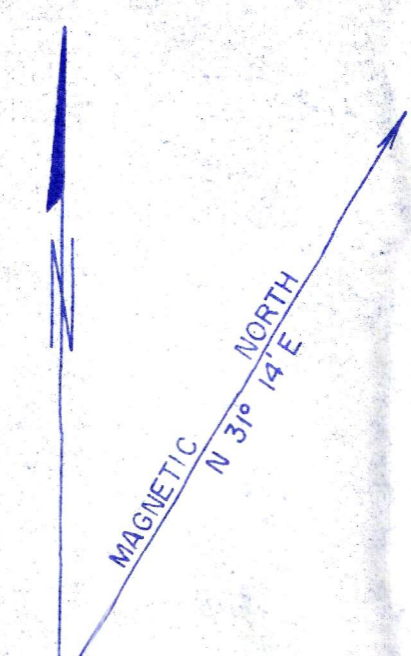
END

SHEET 105-D-15
 LATITUDE: 60°45' TO 61°00'
 LONGITUDE: 134°30' TO 135°00'
CAP CREEK
 CANADA
 DEPARTMENT OF RESOURCES AND DEVELOPMENT
 NORTHERN ADMINISTRATION AND LANDS BRANCH
 LANDS DIVISION
 SCALE 1/2 MILE TO 1 INCH
 FEET 2000 0 2000 4000 6000 8000 10000 12000
 ISSUED UNDER THE AUTHORITY OF THE MINISTER OF RESOURCES AND DEVELOPMENT

LEGEND

-  BOUNDARY ENCLAVING AREA TO BE PROSPECTED
-  TOURMALINE BRECCIA OUTCROP
-  Au, Ag (Pb, Zn) VEIN, MINFILE 051
-  GSC ANOMALY (797 066 A-1)
-  APPROXIMATE POSITION OF PROPOSED MAPPING TRAFFICKS

105D3	105D2	105D1
105D4	105D5	105D6
105D11	105D10	105D9



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

NOTICE

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.

15 SEPT 74
 16 JUN 74
 18 OCT 77
 19 JANV 78
 18 JUN 78
 15 NOV 78
 22 NOV 78
 17 APRIL 72

