NOTES FROM ADAMSON REPORT ON FOLLOWUP AREAS — 1973 PROGRAM

AREA 1

Fyre Lake follow-up area #1, on may sheet 105-G-1, surrounds a small creek that yielded a silt sample that ran 1000 ppm Cu. No prospecting was done in this drainage basin in 1969. 013814 Outcrop is abundant in the area and careful prospecting was carried out during the 1970 program. The area is underlain by quartz-sericite schist, sericite schist and chlorite schist, some of it slightly limey. A number of very small showings of pyrite-chalcopyrite mineralization were found in the highly fractured noses of small recumbent folds in limey chlorite and sericite schists. About one-half mile upstream from the mouth of the anomalous creek, a number of pyrite lenses, up to 1 ft. thick, in very quartzose sericite schist, were discovered. At the creek mouth, a small piece of quartz-galena vein material float was found. No economically interesting mineralization was located. The small sulfide showings that were discovered could explain the geochemical anomalies.

(PART e)

(part d)

Fyre Lake follow-up area #2 (105-G-1) was outlined by geochemical sampling in the summer of 1969. Initial follow-up work was done in September, 1969, by G. Pearse, but work was terminated before completion because of bad weather. The area was further investigated during 1970. The area is underlain by feldspar augen gneiss and quartz-sericite schist, contacting a pluton of hornblende quartz monzonite to the south. A small body of medium to coarse grained amphibolite is located in the headwaters of the geochemically anomalous creek. Zones in the amphibolite contain abundant pryite and pyrrhotite, and in places, very minor chalcopyrite. These sulfides are probably the source of the large gossan in this area. The quartz monzonite intrusive is unaltered and unmineralized.

See also Pearses report on pts a, b, c, & d, 1969

(part f)

Area #3 is also on may sheet 105-G-1. A number of anomalous copper, lead and zinc results were obtained in 1969 in silts from a small southeast flowing creek. No prospecting was done in 1969. An examination this year could not account for the geochemical anomalies. Outcrop is relatively abundant. No sulfide, other than minor pyrite, could be found. Rock types in the area are quartz-sericite schists, quartzite, sericite schist and light grey shale and slate.

(part g)

Area #4 (105-G-1) is a gossan area that was dsicovered in 1970. The gossan is in the vicinity of a small granitic plug that has intruded quartz-sericite schists. Outcrop is scarce. Soil sample lines were run across the area of interst. No encouraging results were obtained.

(no mention of U-B. that outcrops next to intrusive & has obvious qtz-carb alt^{n} ??

(part c)

In the Fyre Lake area #5 (105-G-1), initial follow-up work was done in September, 1969 by G. Pearse. He found enough minor sulfide mineralization in the area to explain the geochemical anomalies. However, adverse weather conditions prevented him from investigating the intrusive (hornblende quartz monzonite), at the headwaters of the anomalous creek, for porphyry copper-molbydenum potential. This was done in 1970 with no encouraging results. The intrusive is very clean and unaltered. A number of zones of diopside skarn with very minor copper mineralization were discovered at limestone-intrusive contacts.

(part 4)

Area #11 is in the southeast corner of map sheet 105-G-8. A number of anomalous silt samples were collected in this area in 1969. The area is underlain by micaceous schists, graphitic schists, quartzite and minor limestone. The quartzite often contains minor disseminated pyrite. The limestone, although generally not containing any sulfides, tends to weather quite rusty. No interesting mineralization was discovered. Much of the area is overburden covered. A soil sample geochemical grid over the area failed to produce any encouraging results.

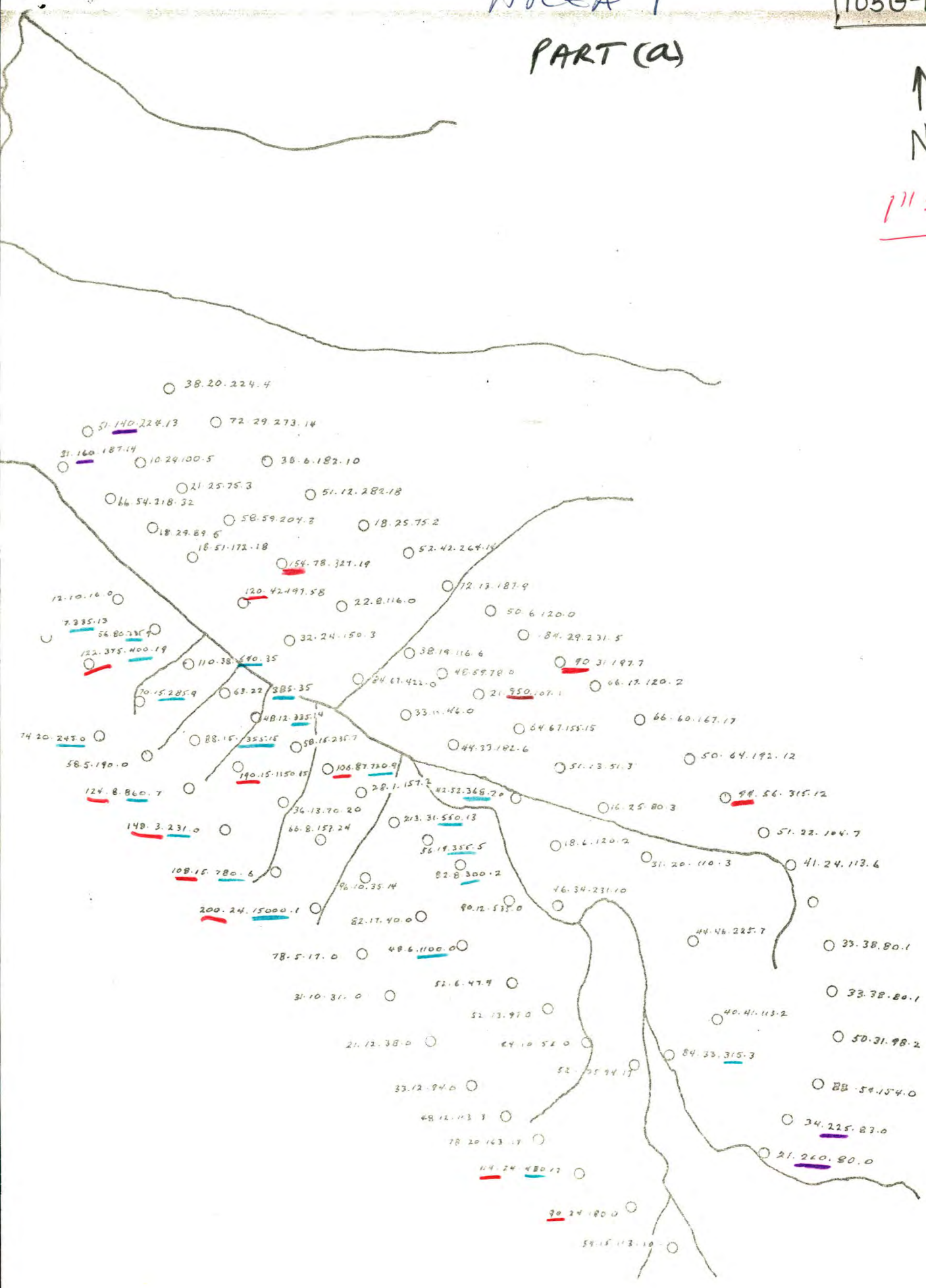
AREA 1

PART (a)

105G-1 -

N

1" : 1/4 mi ?



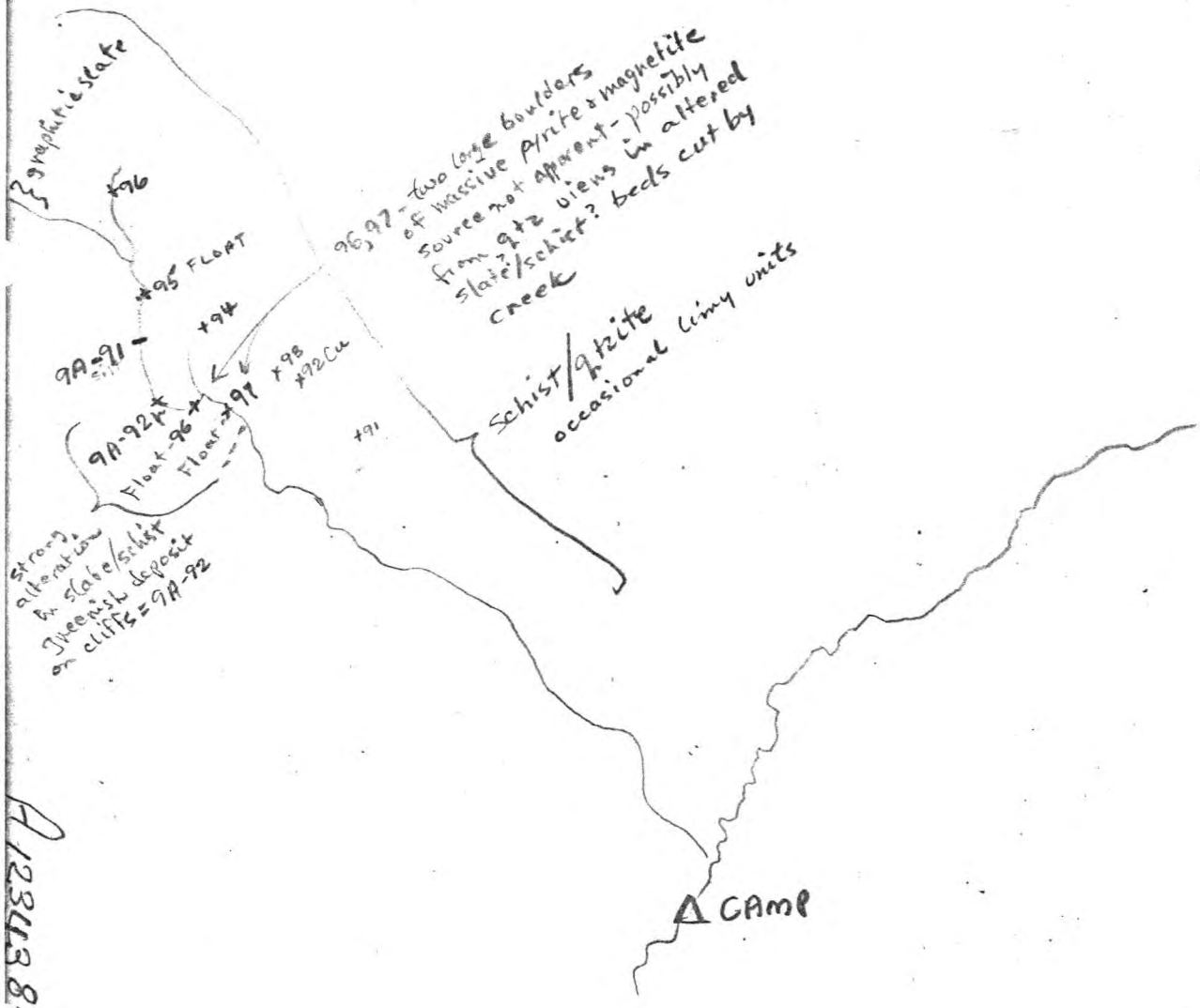
AREA 1

Post(a)

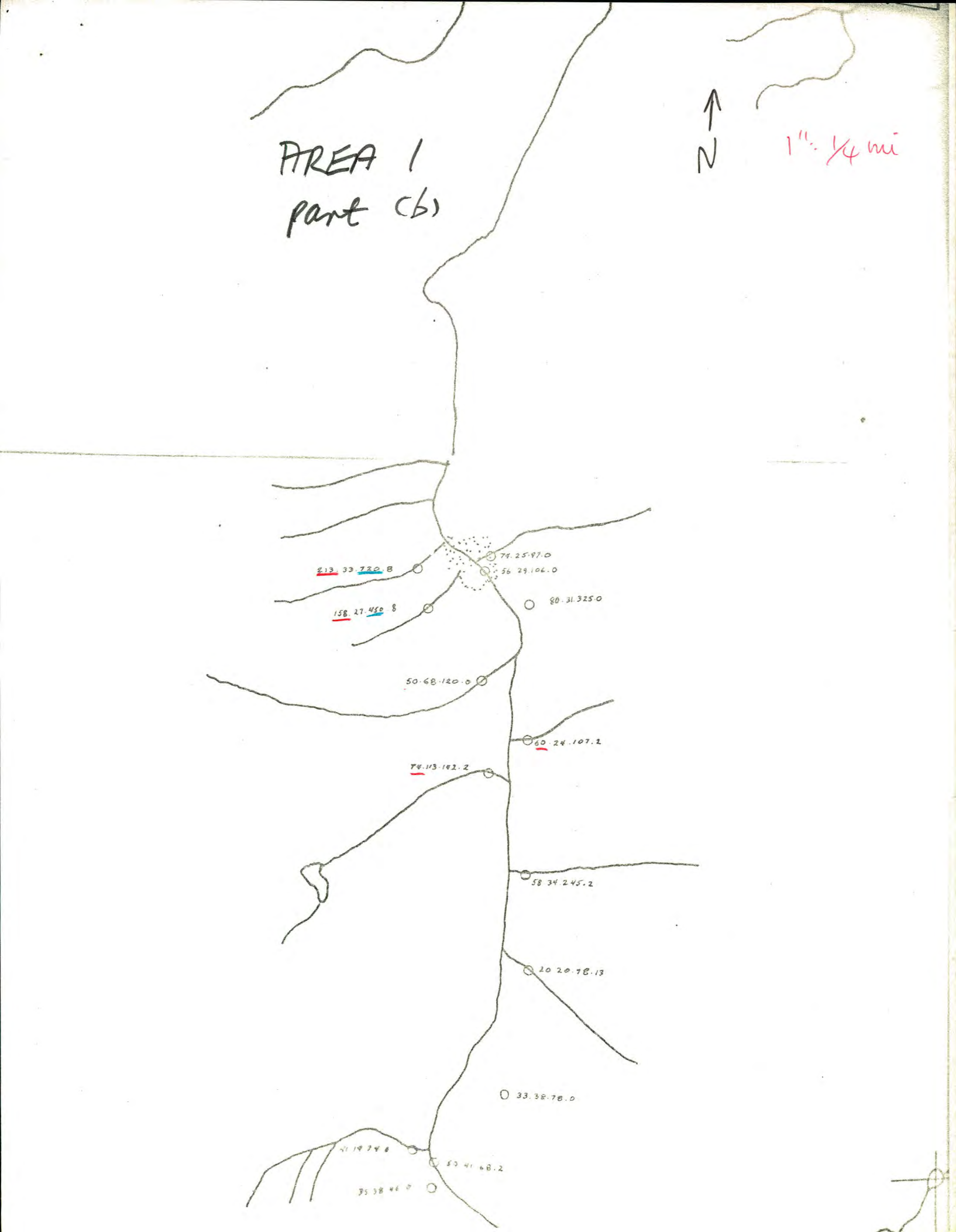
105G1

105-G-1

N ↑ P. DEAN
27-30 JULY 1969



A12383


AREA 1
part (b)
N
1" = 1/4 mi
74.25.97.0
213.33.720.8
56 29.106.0
158.27.450.8
80.31.325.0
50.68.120.0
60.24.107.2
74.113.182.2
58 34 245.2
20 20.78.13
33.38.78.0

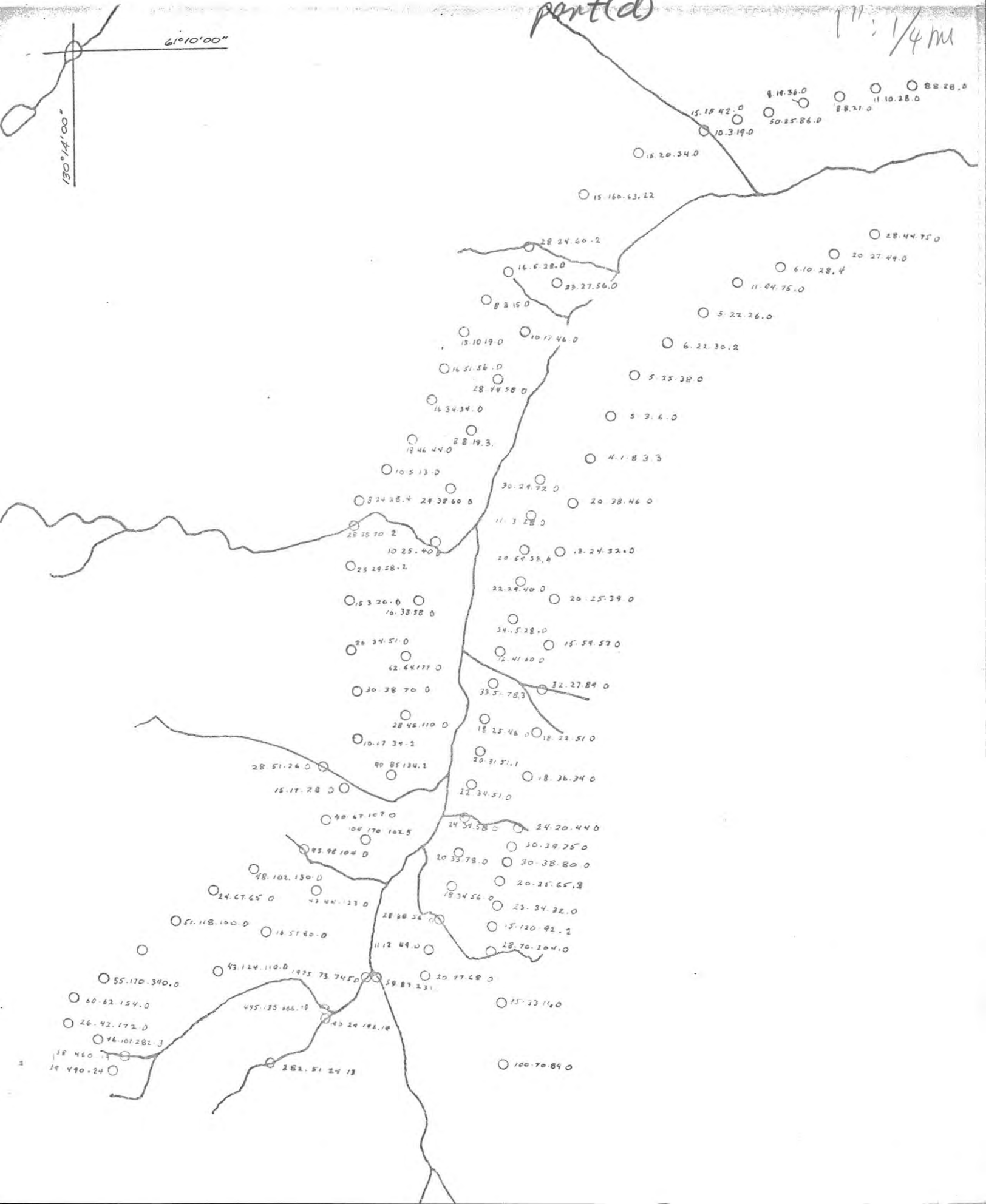
part(C)

26.54.95.0
66.29.247.5
84.25.150.2
46.31.76.4
64.44.113.0
70.78.220.1
98.38.80.0
31.39.58.0
21.20.142.0
56.10.104.0
46.25.123.8
22.17.32.0
64.19.60.0
38.5.44.2
60.22.98.0
23.15.95.0
8.1.11.0
54.42.78.5
93.27.177.0
156.20.28.0
64.41.192.0
64.122.58.0
93.22.130.0

AREA 1

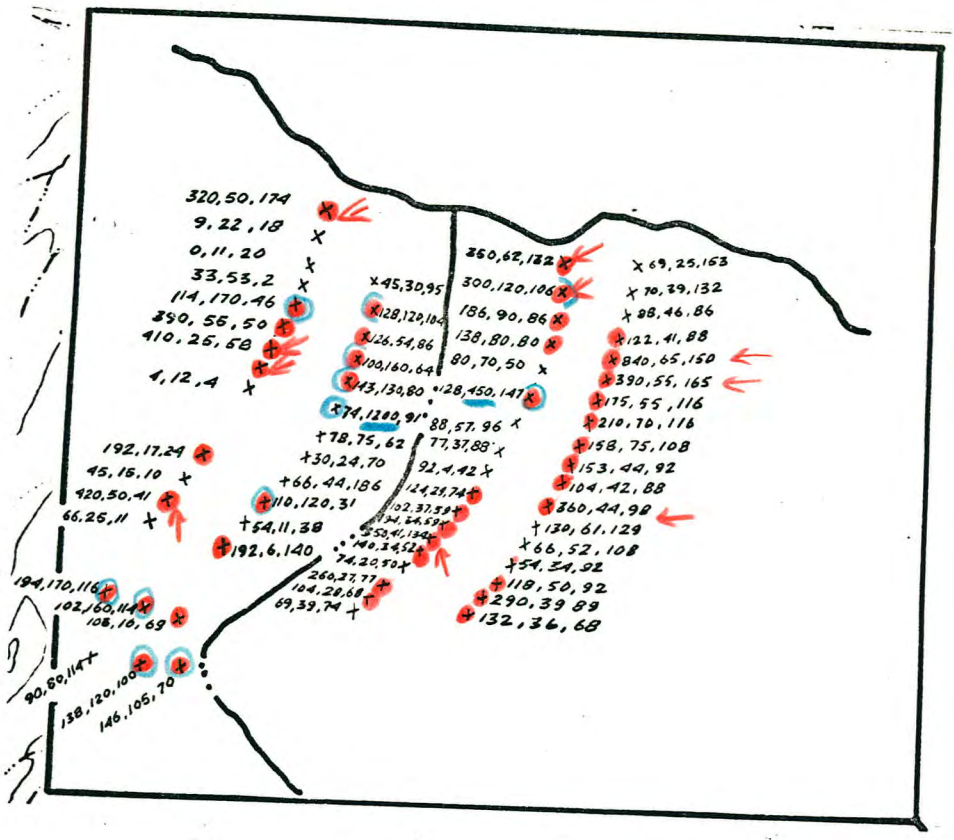
AREA 1
part(d)

1" : 1/4 mi



AREA 1.

port(e)



• Cu > 100

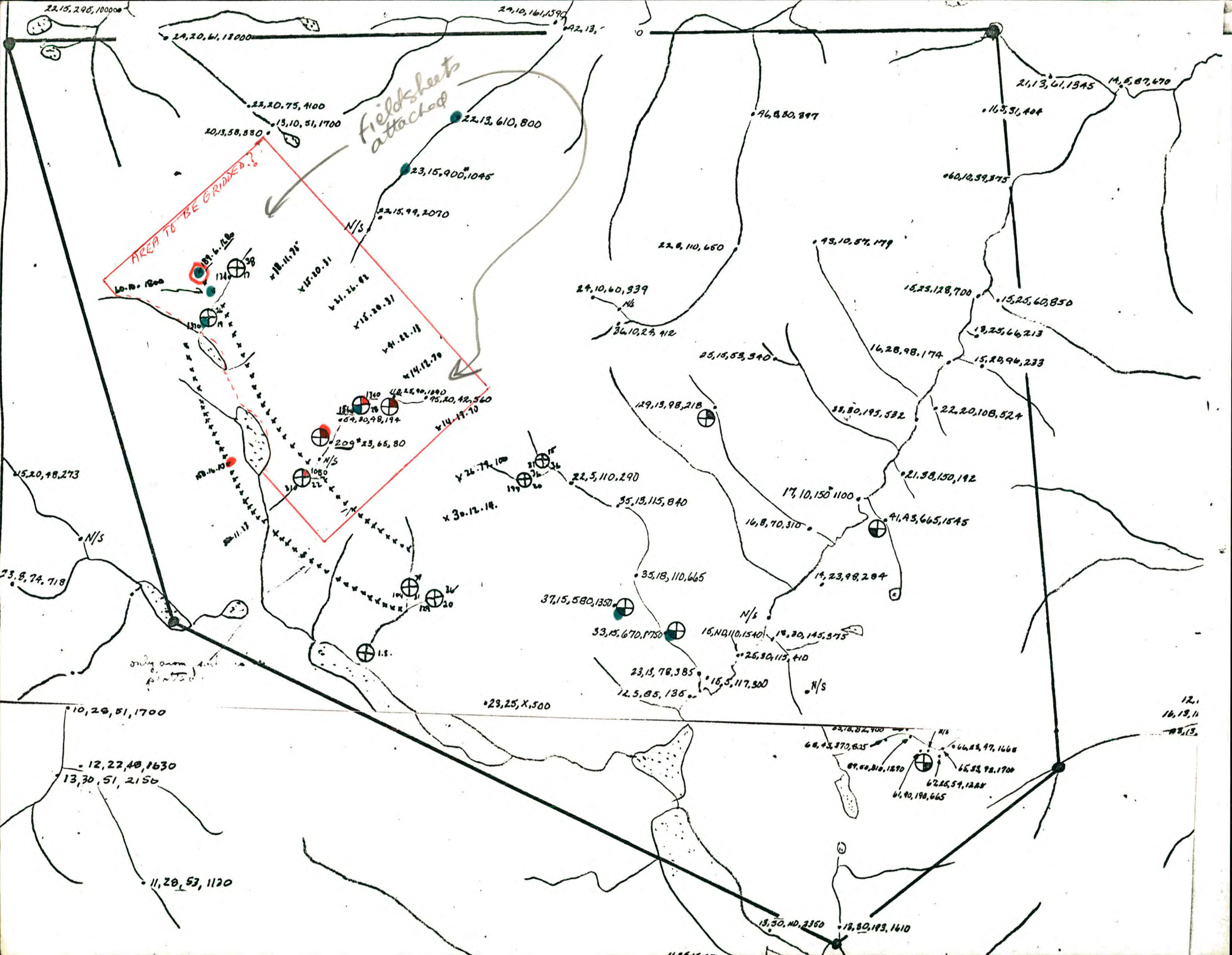
Cu > 300

Pb < 100

AREA-2

Followup area #12 is on map sheet 105-G-9. In 1969, a copper anomaly was detected in silts from an area of altered green volcanic rocks. A large transported limonitic gossan was also present in the anomalous creek. The main gossan zone was in an area of black graphitic shales, but appeared to be derived from the volcanics further upstream. A number of soil sample lines detected no significant results. The anomalous creek was re-sampled and again produced very anomalous copper results. A sample of the gossan material was also slightly anomalous in copper and zinc. The volcanics are mainly overburden covered. In places they contained relatively abundant pyrite. No copper mineralization could be found. It is recommended that a more detailed soil sample grid be established over the possible source area of the gossan material and anomalous silt results.

- Fyre Lake Area - Follow-up Area #12, 105-G-9 - A soil sample grid should be established over a zone of altered volcanics in an attempt to locate the source of anomalous copper results in silts and gossan material.



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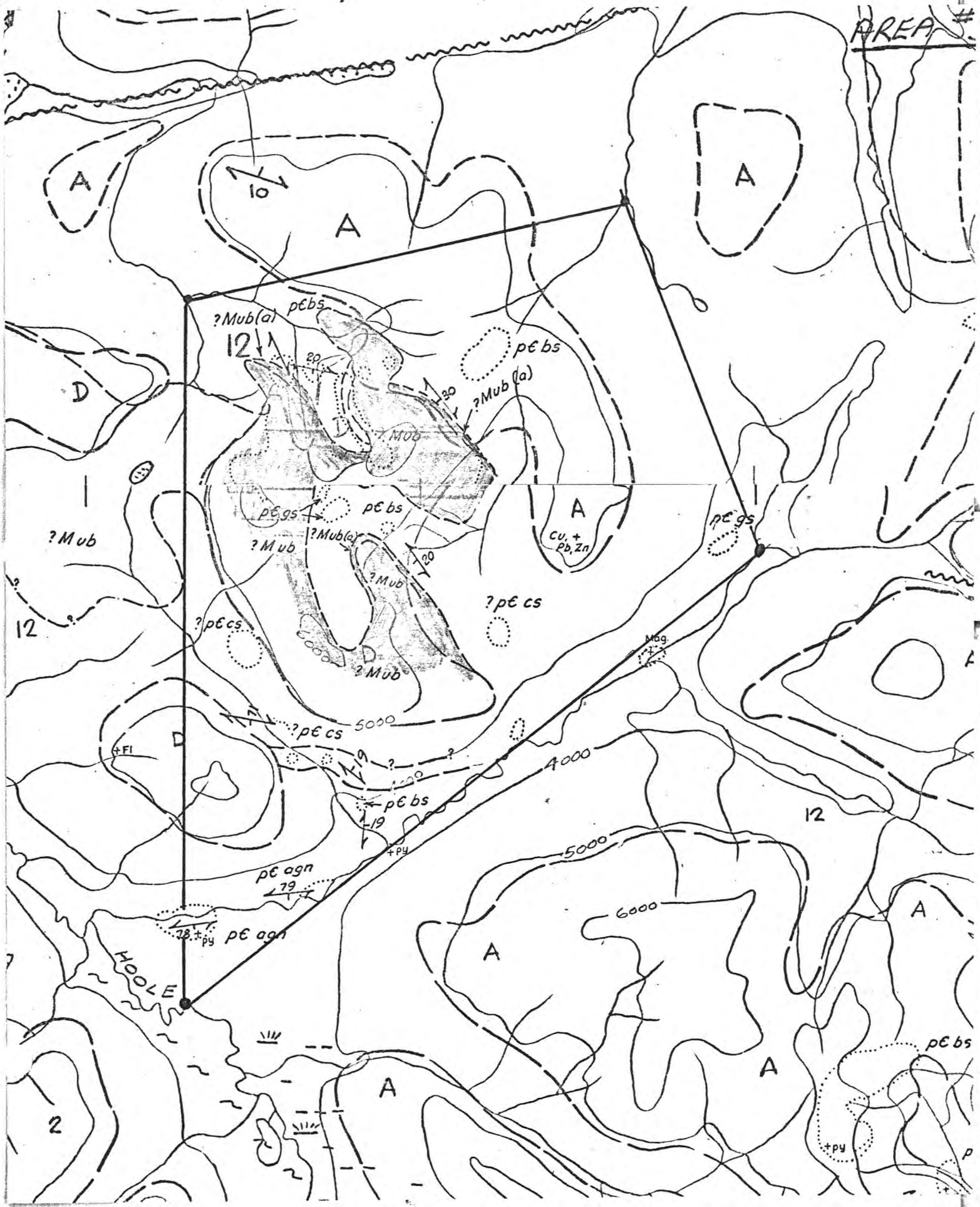
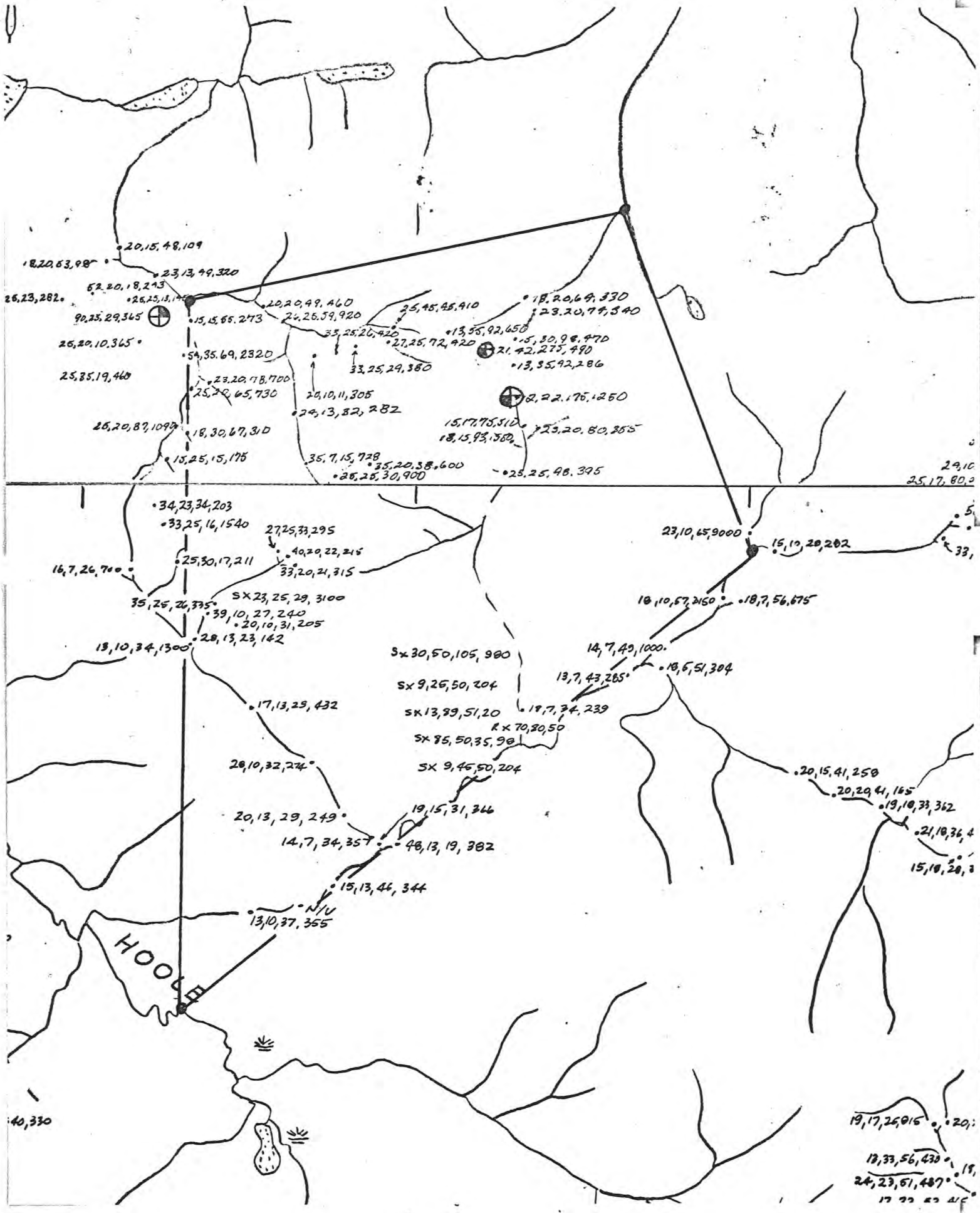
24,20,61,18000
24,10,161,1590
22,20,75,4100
13,10,51,1700
20,13,58,880
fieldsheets attached
22,13,610,800
23,15,900,1045
22,15,99,2070
N/S
AREA TO BE GRIDDED ?
60.10.1800
x18.11.96
x15.20.31
x21.26.82
x18.20.31
x41.22.18
x14.12.70
40,25,90,1890
75,20,42,560
64,20,48,194
209
23,65,80
N/S
x14.17.70
x26.79,100
x30.12.18
22,5,110,290
35,13,115,840
35,18,110,665
37,15,580,1350
33,15,670,1750
16,ND,110,1540
18,30,145,375
26,30,115,410
23,13,78,385
18,5,117,300
12,5,85,136
N/S
23,25,X,500
21,13,61,1345
14,5,87,670
16,5,31,404
46,880,397
60,10,39,375
22,8,110,650
43,10,57,179
24,10,60,339
36,10,24,412
15,23,128,700
15,25,60,850
13,25,66,213
25,15,53,340
16,28,98,174
15,20,96,233
129,13,98,218
38,30,195,532
22,20,108,524
21,38,150,192
17,10,150,1100
41,43,665,1545
16,8,70,310
14,23,98,284
N/S
15,20,48,273
N/S
23,8,74,718
10,26,51,1700
12,22,40,1630
13,30,51,2150
11,28,53,1120
68,43,370,825
66,23,47,1665
69,50,310,1290
65,53,92,1700
67,26,54,1225
61,40,190,665
13,30,ND,2350
18,30,193,1610

AREA 3


AREA
A
D
1
2
10
12
?Mub(a)
pεbs
20
30
?Mub
pε gs
pε bs
cu, + pb, zn
?pε cs
Mag.
5000
4000
6000
+Fl
+py
pε ogn
79
28
HOOLE


20,15,48,109
18,20,63,98
23,13,49,320
52,20,18,243
26,23,282
26,25,13,140
90,25,29,365
15,15,65,273
20,20,49,460
24,26,59,920
25,45,45,410
18,20,64,330
23,20,74,340
33,25,26,420
27,25,72,420
13,55,92,450
15,30,98,470
21,42,275,490
26,20,10,365
54,35,69,2320
33,25,29,380
13,35,92,286
25,35,19,460
23,20,78,700
25,20,65,730
20,10,11,305
2,22,176,1250
24,13,82,282
26,20,87,1090
18,30,67,310
15,17,75,510
18,15,93,380
23,20,80,355
15,25,15,175
35,7,15,728
35,20,38,600
26,26,30,900
25,25,48,395
34,23,34,203
33,25,16,1540
27,25,33,295
40,20,22,215
33,20,21,315
25,30,17,211
16,7,26,700
23,10,65,9000
15,10,20,202
18,10,67,2150
18,7,56,675
35,25,26,375
SX 23,25,29,3100
39,10,27,240
20,10,31,205
28,13,23,162
13,10,34,1300
SX 30,50,105,980
14,7,49,1000
13,7,43,265
18,6,51,304
SX 9,25,50,204
SX 13,39,51,20
18,7,34,239
RX 70,30,50
SX 85,50,35,90
17,13,25,432
SX 9,46,50,204
20,10,32,24
20,15,41,258
20,20,41,165
19,10,33,362
20,13,29,249
19,15,31,346
14,7,34,357
48,13,19,382
15,13,46,344
N/U
13,10,37,365
HOOV
40,330
19,17,26,016
13,33,56,430
24,23,61,487

58,800
58,780
58,740
58,760
58,780
58,800
58,700
58,880
58,880
58,600
58,600
58,700
59,300
59,000
58,800
59,000
59,500
59,200
58,800
58,580
59,000
58,660
59,100
58,800
58,880
58,700
58,800
58,840
58,800
58,740
58,740
HOOL
58,740
58,720

AREA-4

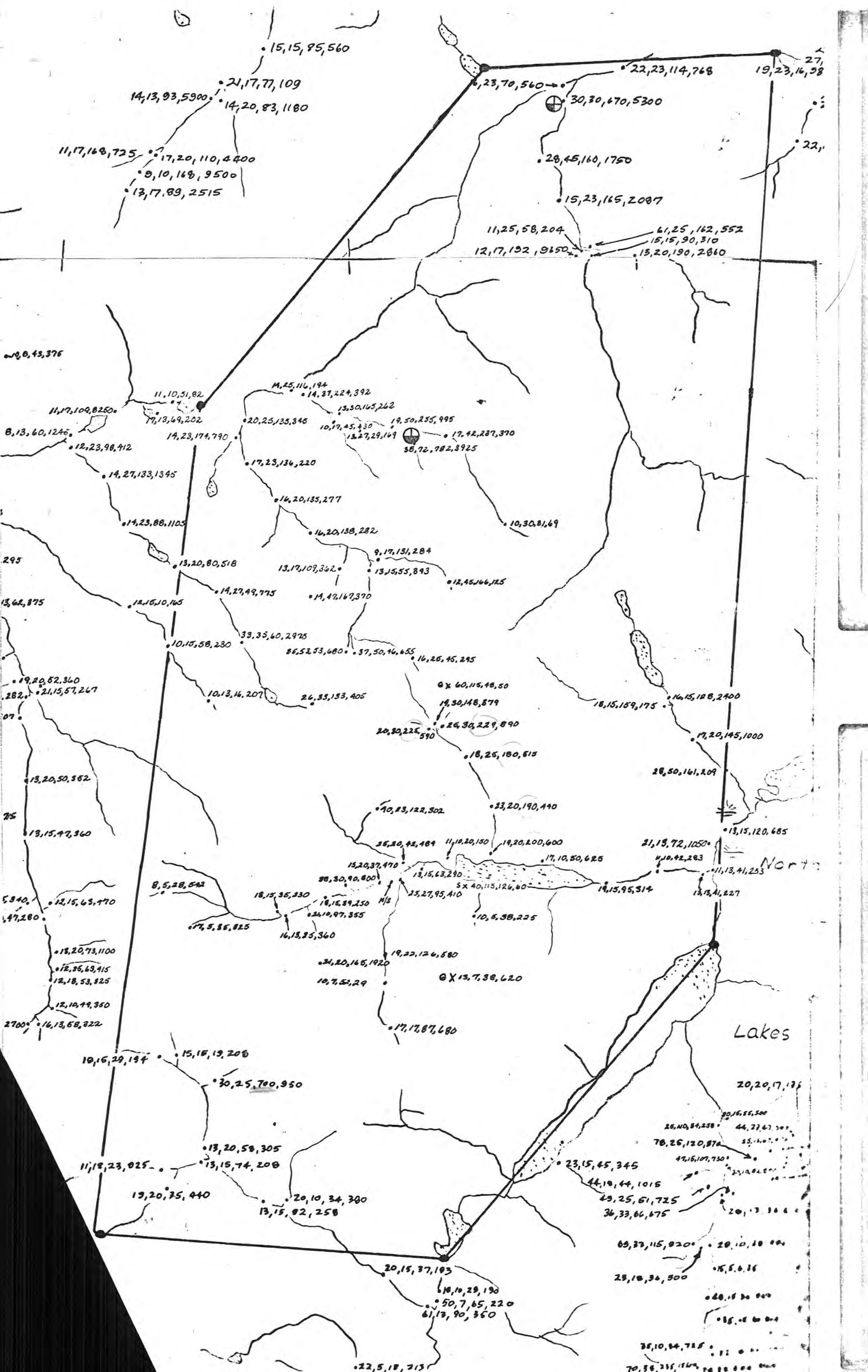
Area #9 is in the southwest corner of map sheet 105-G-7. Two silt samples anomalous in zinc were collected from adjoining branches of the headwaters of a small creek. The area is underlain by quartz augen gneiss, quartz schists, and minor sericite and chlorite schists. None of the surrounding areas are gochemically anomalous. During the 1970 program, prospecting and soil sampling in this area gave no favourable results.


A
C
pε agn
pε gs
Jgr
py
12
9
4
5
6000
5000
4000
FAULT
TINTINA


174
173
58,700
172
58,700
58,700
171
170
58,760
58,700
58,700
58,720
169
58,700
58,680
168
58,680
167
58,700
58,660
166
165
58,680

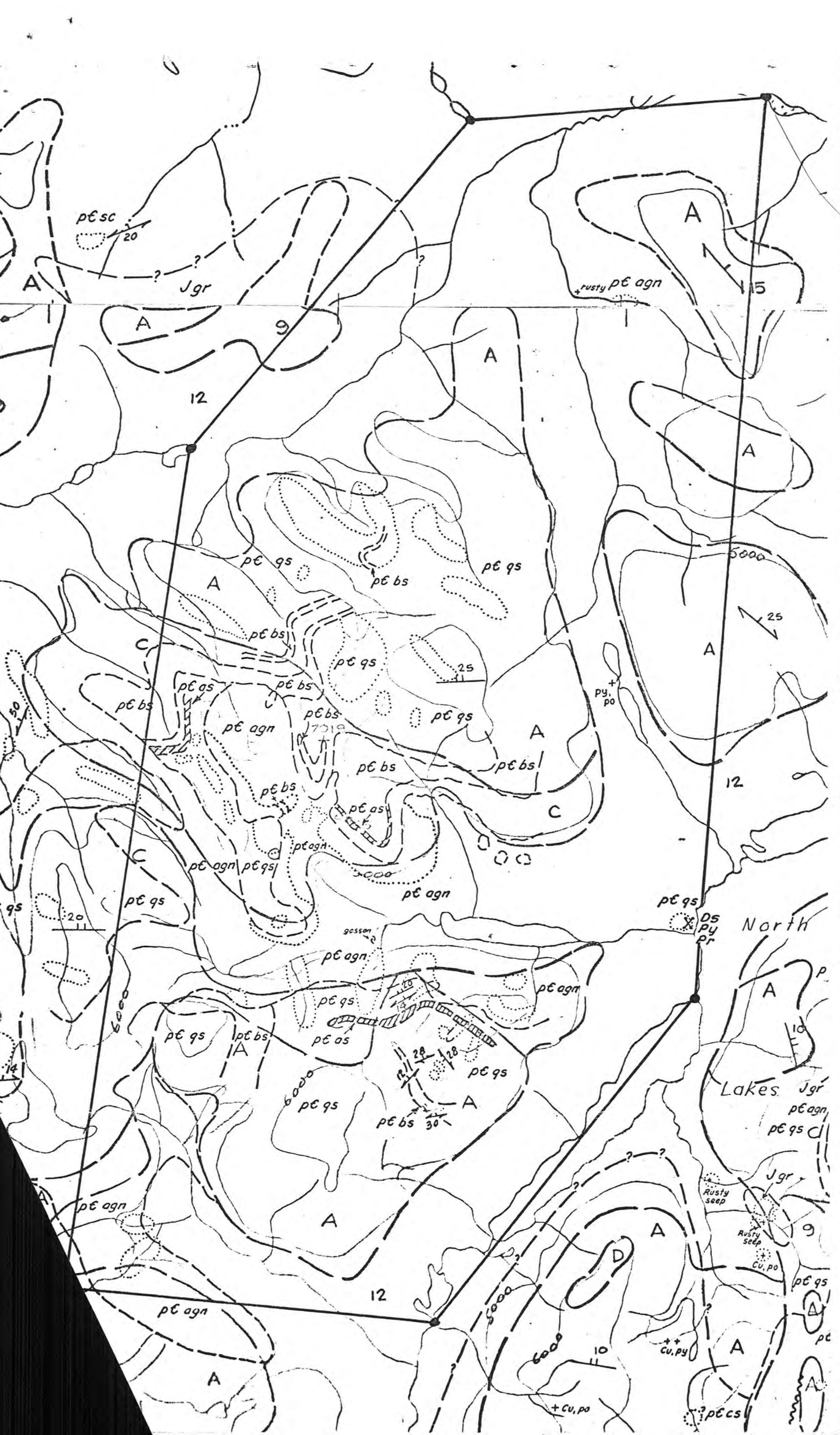

A
C
9
12
pε agn
pε gs
Jgr
py
6000
5000
4000
FAULT
TINTINA
4
5

AREA 5



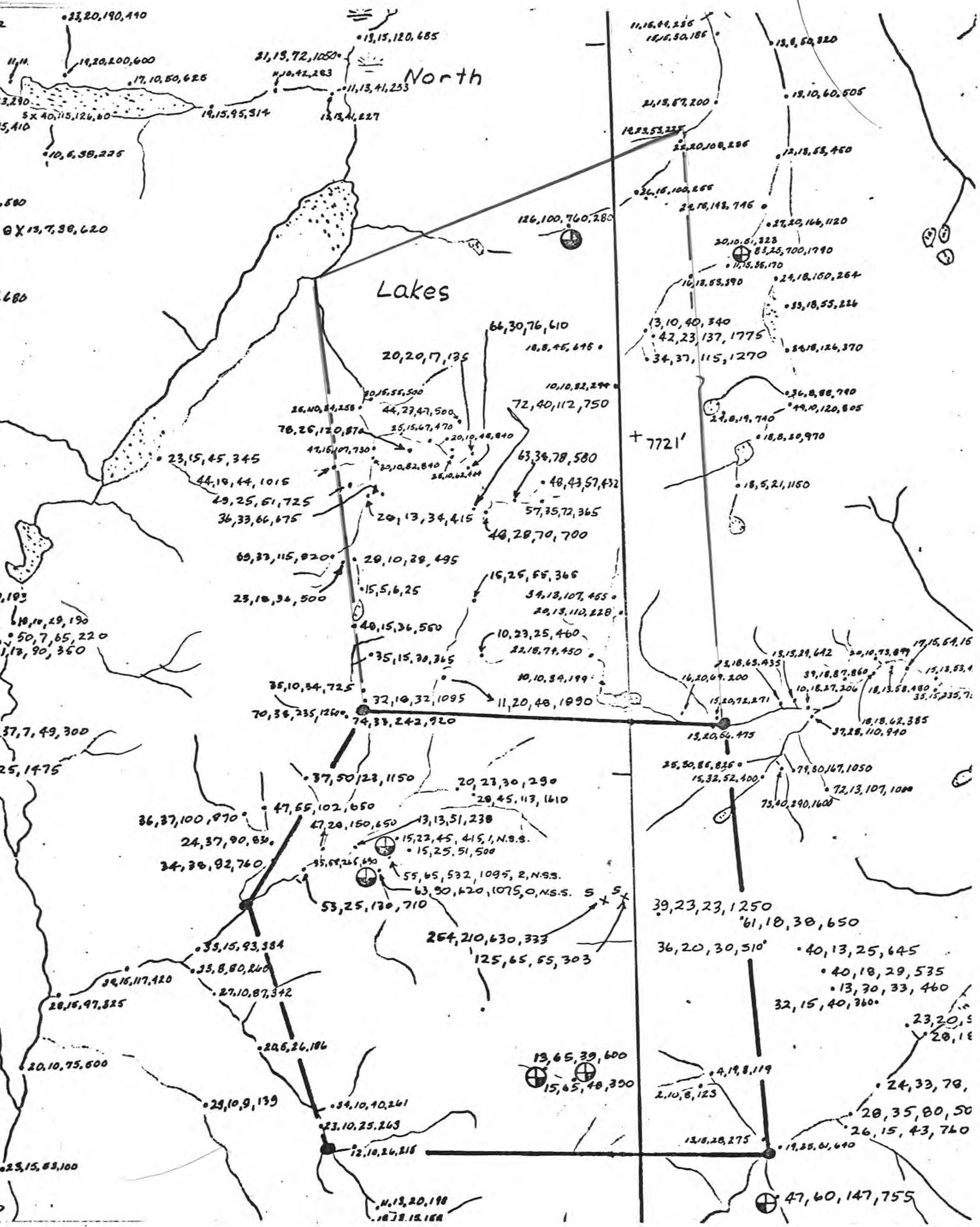
15,15,95,560
21,17,77,109
14,13,93,5900
14,20,83,1180
11,17,168,725
17,20,110,4400
9,10,168,9500
13,17,89,2515
23,70,560
22,23,114,768
19,23,16,98
30,30,670,5300
28,45,160,1750
15,23,165,2087
11,25,58,204
61,25,162,552
15,15,90,310
12,17,192,9650
13,20,190,2860
11,10,51,82
11,17,109,8250
17,13,69,202
8,13,60,1246
12,23,98,412
14,23,174,790
14,27,133,1345
20,25,135,346
14,37,224,392
13,30,165,262
19,50,255,995
17,42,287,370
38,72,782,3925
17,23,136,220
16,20,135,277
16,20,138,282
10,30,81,69
14,23,88,1105
13,20,80,518
9,17,131,284
13,17,109,362
13,15,55,843
12,45,166,125
14,27,49,775
14,47,167,370
33,35,60,2975
10,15,58,230
37,50,46,655
16,26,45,295
10,13,16,207
26,33,133,405
19,20,82,360
21,15,57,267
18,15,159,175
16,15,128,2400
17,20,145,1000
28,50,161,209
13,20,50,562
20,30,225
26,30,229,890
18,26,180,615
23,20,190,440
40,23,122,302
13,15,47,360
13,15,120,685
26,20,42,464
19,20,200,600
21,13,72,1050
17,10,50,625
8,5,28,542
13,15,63,290
5X 40,115,126,60
19,15,95,314
11,13,41,253
13,13,41,227
North
18,15,35,230
25,27,95,410
17,5,85,825
16,13,85,360
12,15,63,470
10,6,38,225
18,20,73,1100
12,36,63,415
12,18,53,825
19,22,126,680
10,7,52,29
12,10,49,350
16,13,58,322
17,17,87,680
Lakes
10,16,29,134
15,16,19,208
30,25,700,950
20,20,17,13
78,26,120,870
13,20,58,305
11,18,23,025
13,15,74,208
23,15,45,345
44,10,44,1015
13,20,35,440
20,10,34,380
13,15,82,258
69,25,61,725
36,33,66,675
69,33,115,820
25,10,36,500
20,15,37,193
18,10,29,190
50,7,65,220
61,13,90,360
22,5,18,213


58,700
58,720
58,680
58,800
58,760
North
Lakes


pε sc
20
Jgr
A
9
12
rusty pε agn
15
pε qs
pε bs
pε agn
25
50
7010
6000
py, po
Ds
Py
Pr
North
Lakes
Jgr
Rusty seep
Cu, po
Cu, py
pε cs
10
14
28
30

AREA 6

Follow-up target #10 is a number of copper-lead-zinc anomalies in silts and soils about 5 miles south of North Lakes. These occur over schists and gneisses bordering a granite stock. The metasediments were adequantely prospected, with negative results, in 1969, but Pearse recommended that the intrusives in the area be examined for porphyry-type mineralization. This was done during the 1970 program. Nothing of economic interest was discovered.



North
Lakes
+ 7721'
13,15,120,685
21,13,72,1050
11,13,41,253
17,10,50,625
19,20,200,600
19,15,95,314
126,100,760,280
66,30,76,610
20,20,17,135
72,40,112,750
63,34,78,580
23,15,45,345
44,19,44,1015
49,25,61,725
36,33,66,675
20,13,34,415
48,28,70,700
57,35,72,365
28,10,38,495
15,5,6,25
23,18,36,500
40,15,36,550
35,15,30,365
35,10,34,725
32,10,32,1095
11,20,48,1090
70,38,235,1260
74,33,242,920
10,23,25,460
15,25,55,365
13,10,40,340
42,23,137,1775
34,37,115,1270
37,50,123,1150
20,23,30,290
28,45,113,1610
47,65,102,650
36,37,100,970
24,37,90,830
34,38,92,760
13,13,51,238
15,22,45,415,1,N.S.S.
15,25,51,500
55,65,532,1095,2,N.S.S.
63,30,620,1075,0,N.S.S.
53,25,130,710
264,210,630,333
125,65,55,303
39,23,23,1250
61,18,38,650
36,20,30,510
40,13,25,645
40,18,29,535
13,30,33,460
32,15,40,360
13,65,39,600
15,65,48,390
24,33,78,
28,35,80,50
26,15,43,760
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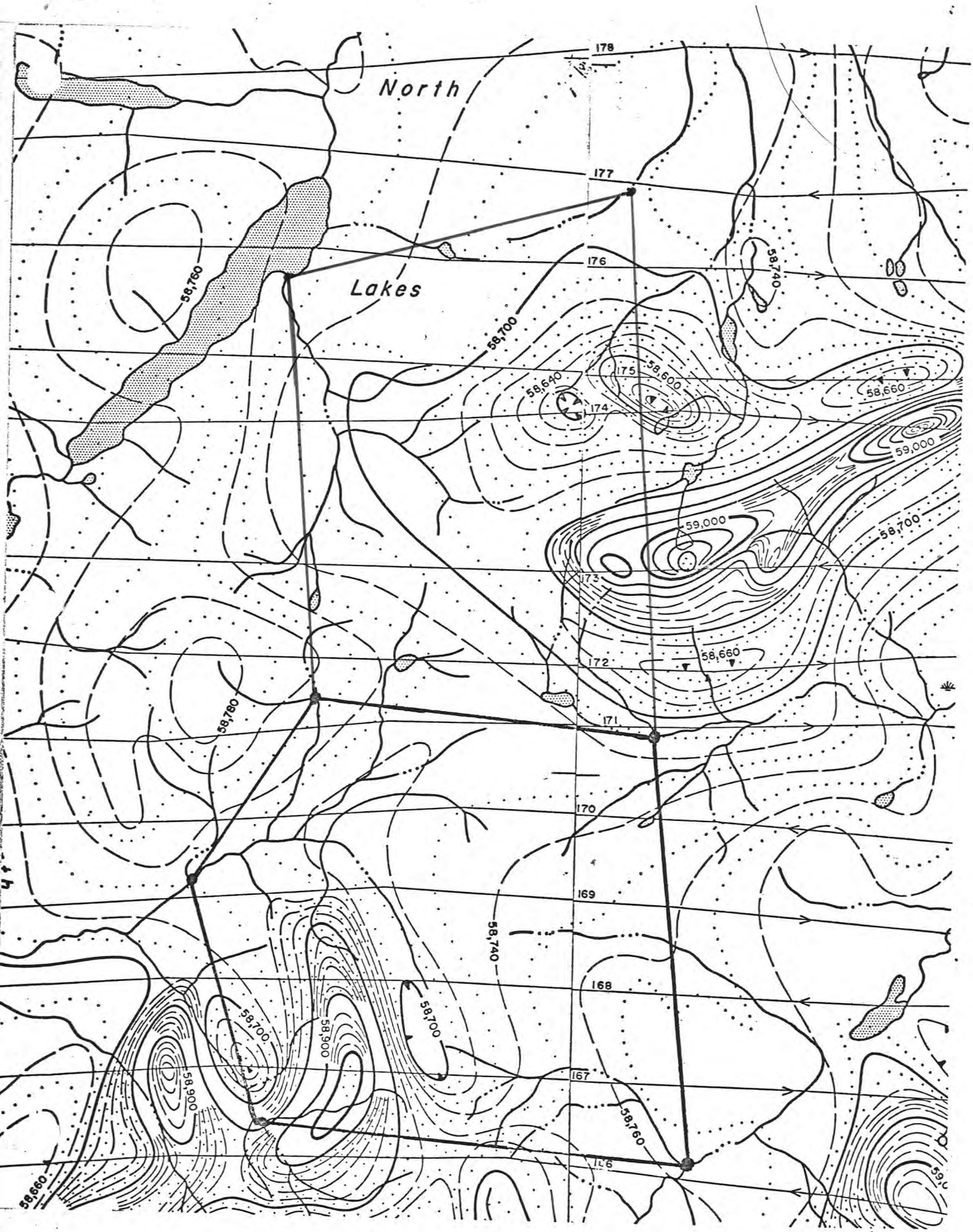
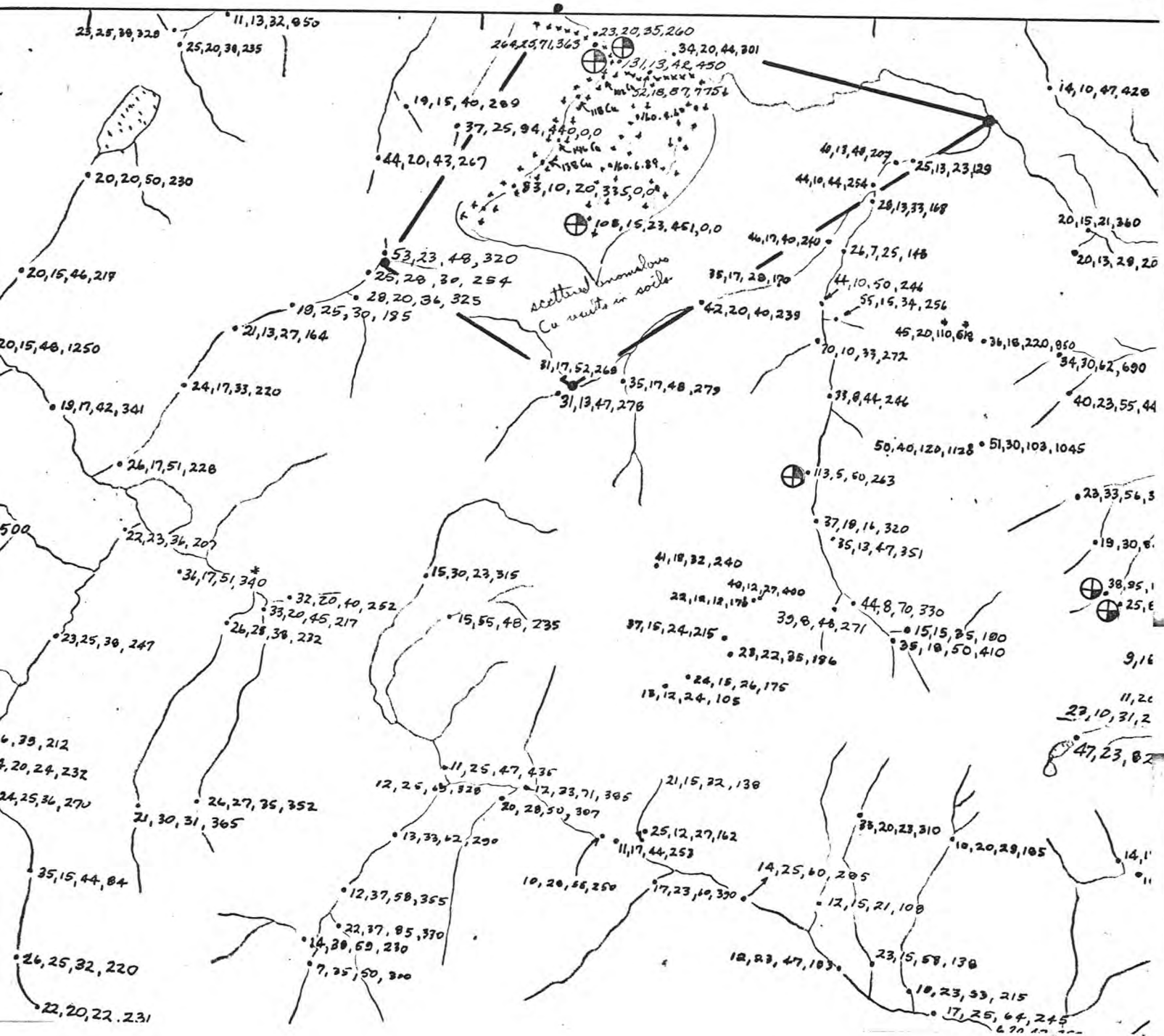
29,10,9,139
20,10,75,600
28,15,97,825


North
Lakes
178
177
176
175
174
173
172
171
170
169
168
167
166
58,760
58,740
58,700
58,640
58,600
58,660
59,000
58,780
58,900
58,680

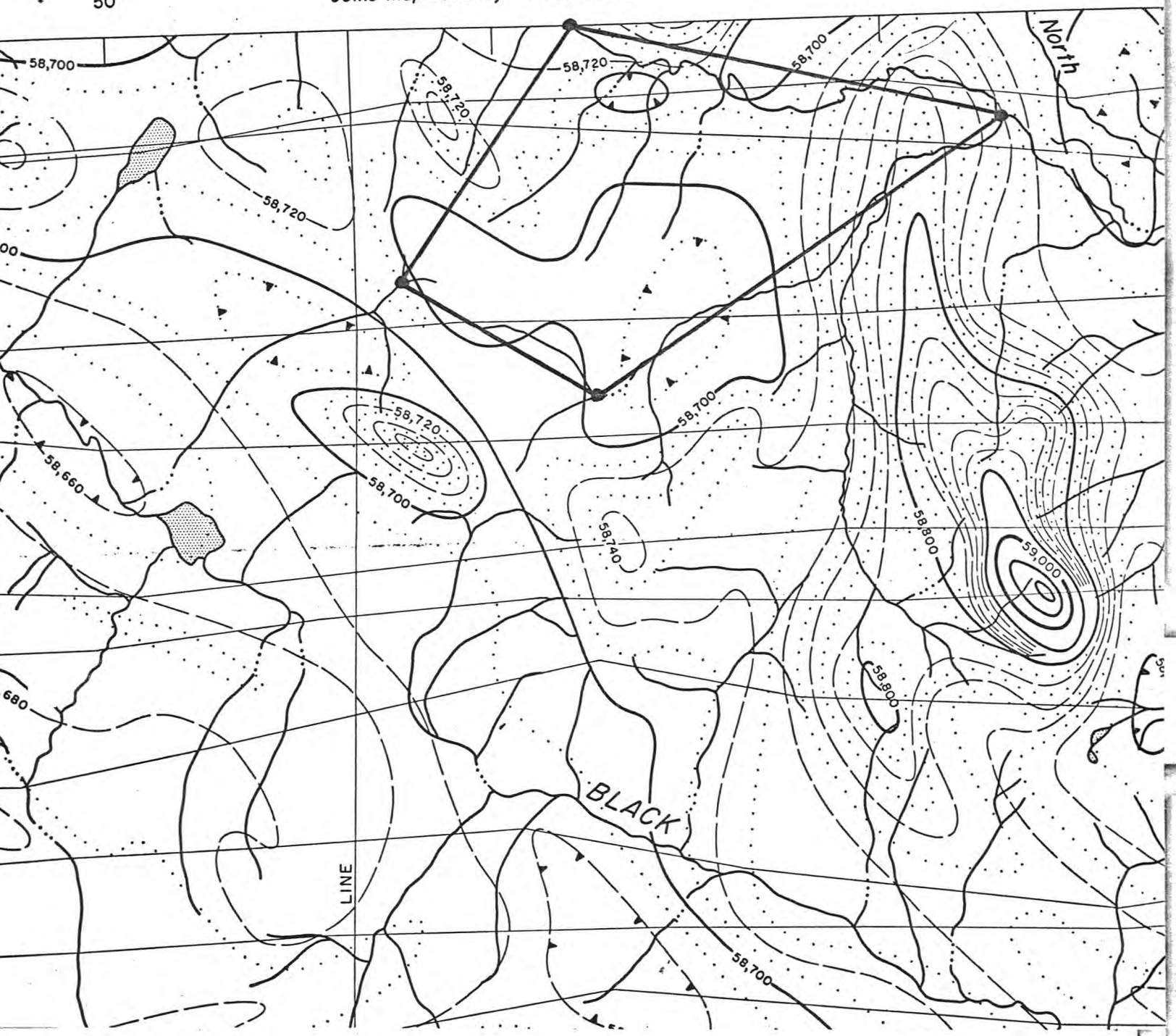
AREA 1

A number of drainages in the north-central portion of map sheet 105-G-2 anomalous in copper, constitute Fyre Lake follow-up area #8. The area is underlain by chlorite schists and sericite schists. Pearse thought that the anomalies may be due to replacement mineralization similar to that at the Fyre Lake copper property (DUB claims). The area was carefully prospected and extensive geochemical sampling was carried out. A small showing of pyrite-pyrrhotite-minor chalcopyrite mineralization in a section of highly contorted chlorite and biotite schists was discovered. Nothing of economic interest was indicated.


scattered anomalous Cu results in soils

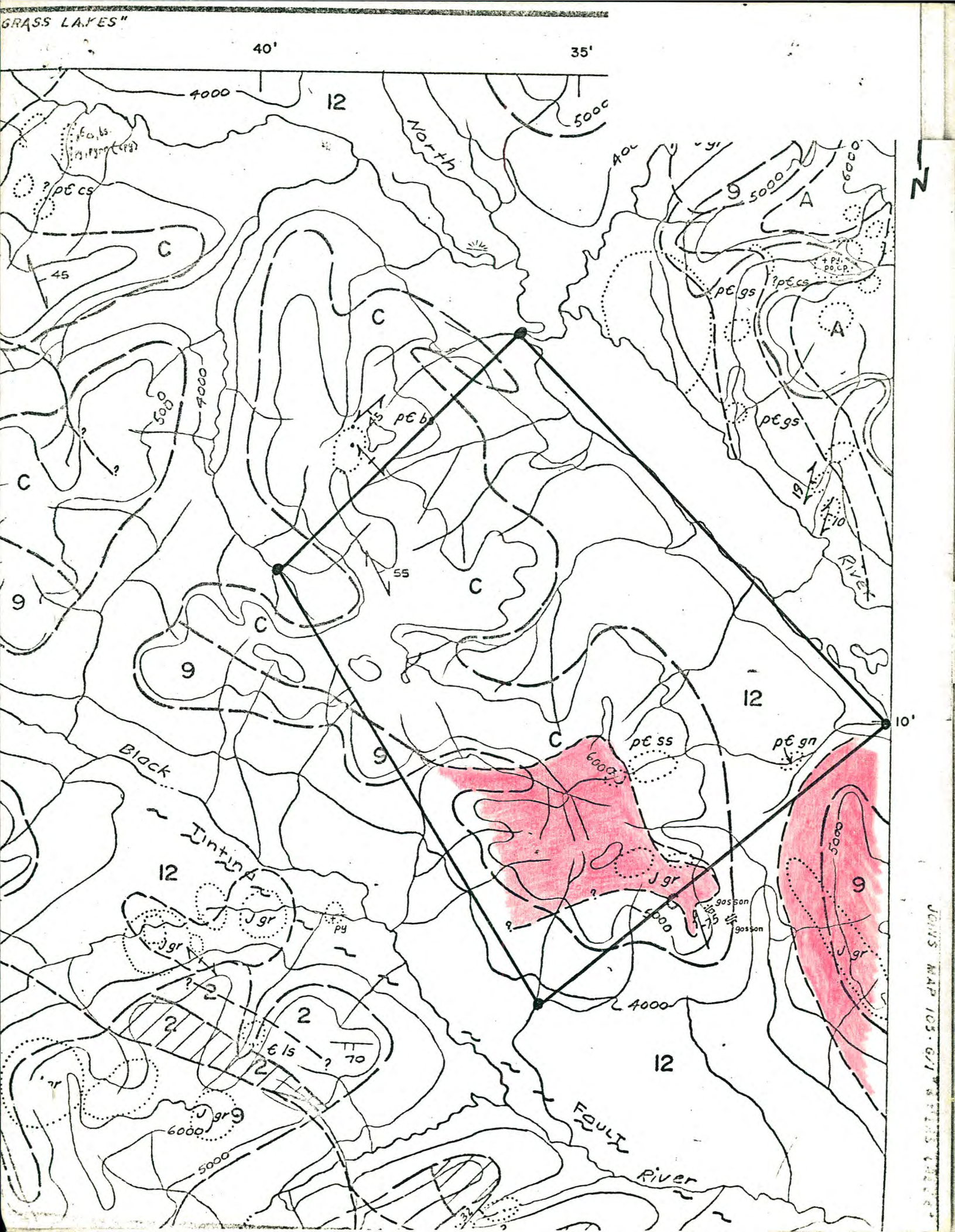
50'

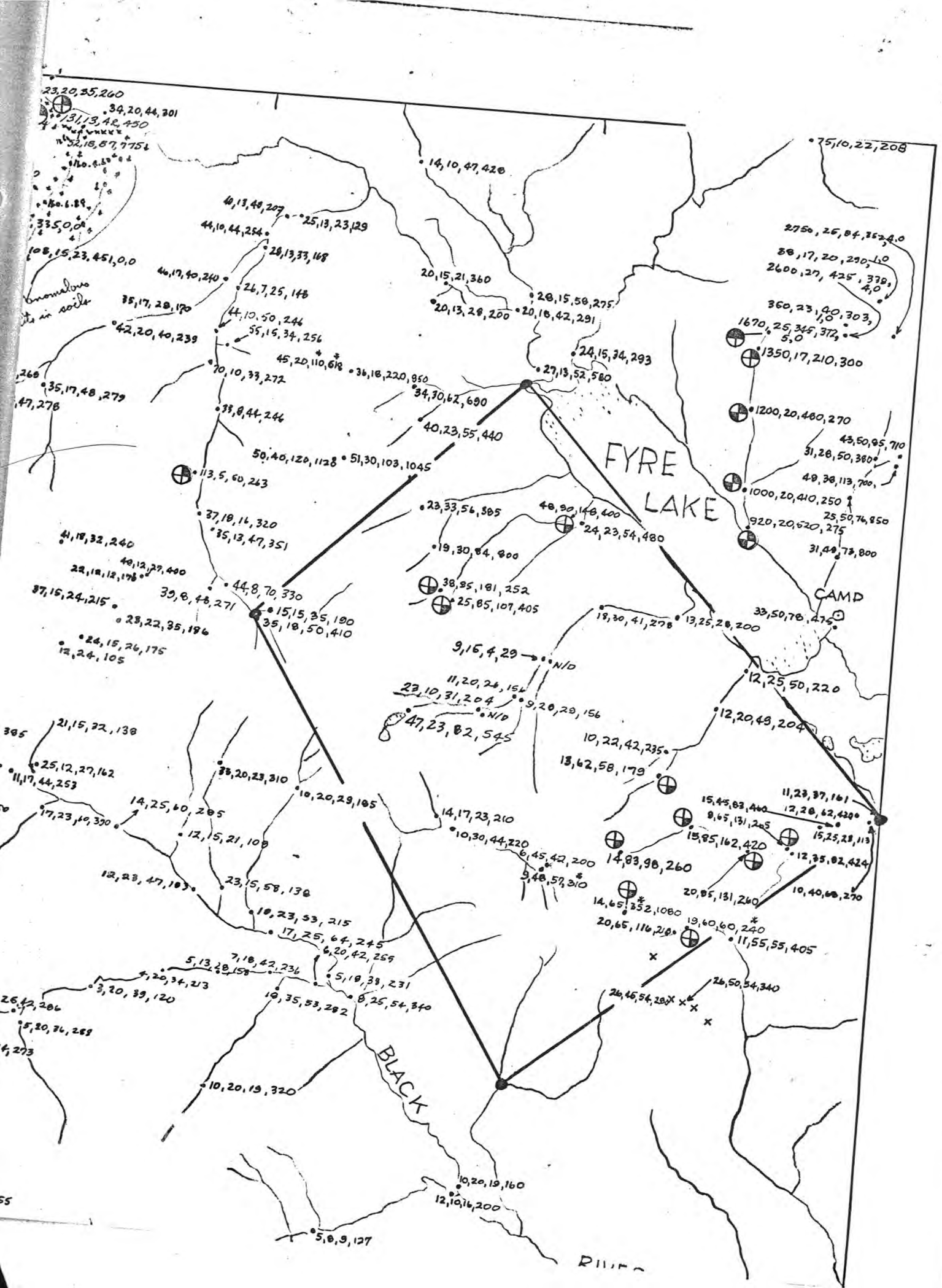
Joins Map 1378 G, "Grass Lakes



AREA 8

Fyre Lake follow-up area #7 is in the west-central portion of map sheet 105-G-2. A number of silts, anomalous in lead, were collected from creeks draining the contact area between biotite granite and sericite schist. There is heavy pyritization in some schists near the contact. A number of small gossans were noted in the area. No sulfide mineralization of interest was seen. The lead anomalies could not be explained.


GRASS LAKES"
40'
35'
10'
N
North
Black
Tintina
Fault
River
RIVER
4000
5000
6000
12
9
C
A
2
45
55
70
32
pε bs
pε cs
pε gs
pε ss
pε gn
J gr
py
pε ls
gosson


FYRE
LAKE
CAMP
BLACK
RIVER
N/D
N/D

s"

40'

35'

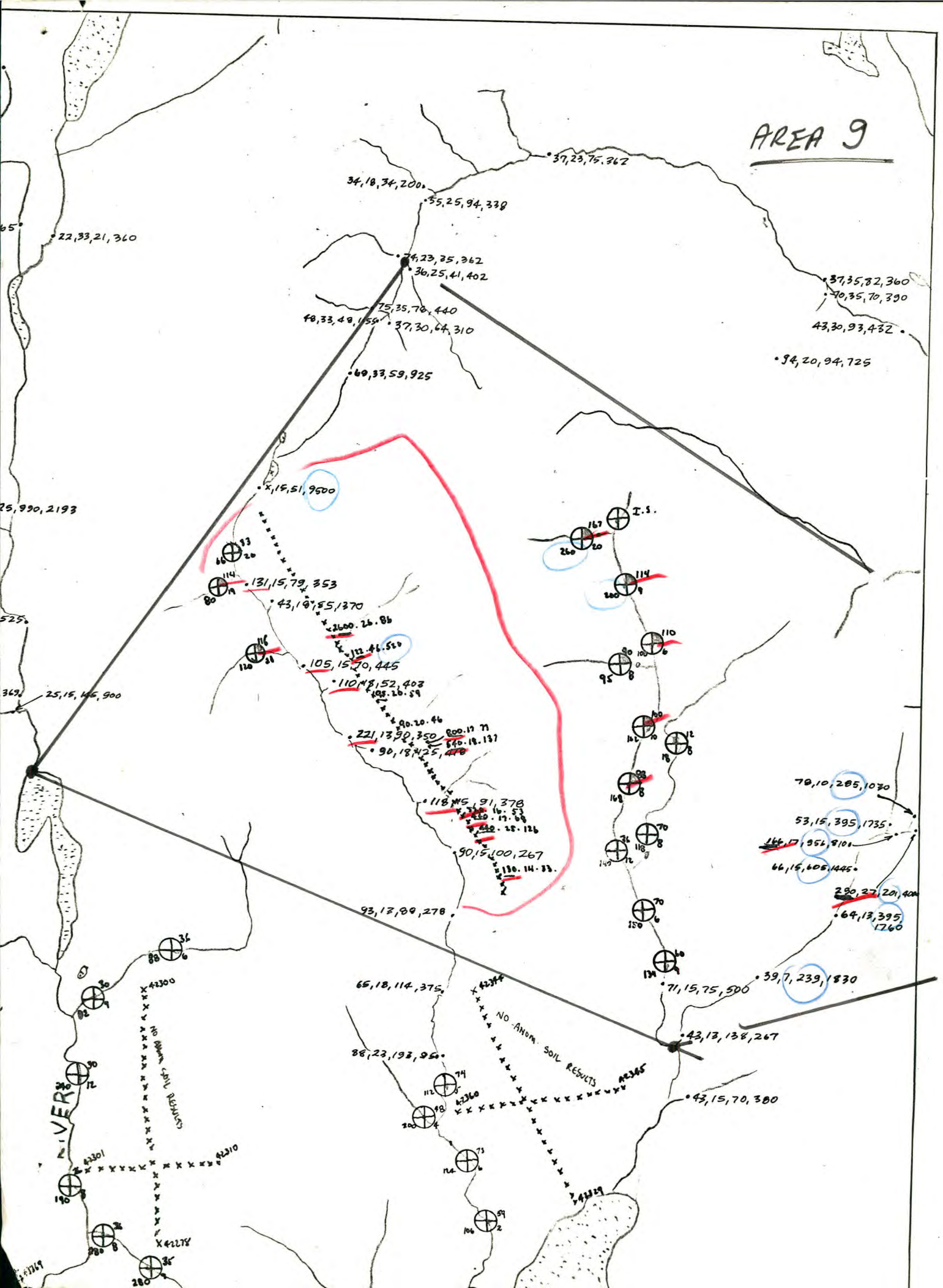
10'

Joins Map 1360 G, "Waters Creek"

AREA # 9

Area #15, a train of copper anomalies ranging from 88 to 221 ppm along a south flowing creek east of the centre of map sheet 105-H-4, was investigated. A westerly trending belt of high aeromagnetic response crosses the creek in the vicinity of the highest copper values. Prospecting, silt sampling and soil sampling were carried out. Silt sampling in the creek immediately to the east gave a number of copper anomalies of similar magnitude. Prospecting indicated that the area of interest is underlain by shales and argillite, sometimes graphitic, chlorite and quartz-chlorite schists, and minor quartzite. However, outcrop is not abundant, especially on the lower slopes. The magnetic anomaly is underlain, in part, by quartz chlorite schist containing minor magnetite. No sulphide could be found in the area other than pyrite in black shales and some schists. A base of slope soil sample line immediately east of the original anomalous creek gave some very anomalous, but random and scattered, copper results. The highest value, 2600 ppm Cu, was coincident with the magnetic anomaly. The copper anomalies could not be explained. The lack of any economic sulfide mineralized float and the possible explanation of the magnetic anomaly as being caused by magnetite-bearing schists are not encouraging. However, the magnitude of some of the copper geochemical values would suggest that possibly more detailed soil sample coverage is warranted.

- Fyre Lake Area, Follow-up Area #15, 105-H-4 - The source area of random anomalous copper results in silts and soil in the vicinity of an aeromagnetic anomaly could perhaps be more clearly defined with a more detailed soil sampling coverage of the area.


AREA 9
37,23,75,362
34,18,34,200
55,25,94,338
22,33,21,360
74,23,35,362
36,25,41,402
37,35,82,360
70,35,70,390
43,30,93,432
94,20,94,725
75,35,78,440
37,30,64,310
60,33,59,925
X,15,51,9500
25,990,2193
131,15,79,353
43,18,55,370
105,15,70,445
110,18,52,403
25,15,146,900
221,13,90,350
90,18,125,478
118,15,91,378
90,15,100,267
93,13,89,278
I.S.
70,10,285,1070
53,15,395,1735
66,15,605,1445
64,13,395,1760
71,15,75,500
39,7,239,1830
43,13,138,267
65,18,114,375
88,23,193,956
43,15,70,380
NO ANOM. SOIL RESULTS
RIVER