

BREAKWATER RESOURCES LIMITED

95 Wellington Street West, Suite 2000, Toronto ON M5J 2N7

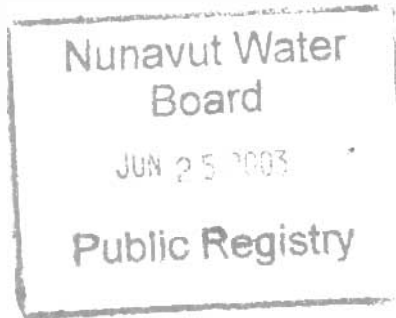
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Telephone: (416) 363-4798 (ext 271)

bcarreau@breakwater.ca

June 20, 2003

Mr. Philippe di Pizzo
Executive Director
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU X0E-1J0



INTERNAL	
PC	
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CEO	
BRD	
EXT.	

Dear Mr. di Pizzo:

Re: 1985 Geochemical Survey at Nanisivik

As committed to, in my letter dated June 16, 2003, please accept the attached supporting information regarding the 1985 Geochemical Survey at Nanisivik. Attached hereto are the following documents:

- Letter dated June 20, 2003 from Doug Dumka, P. Geo.
- 1:20:000 surface plan entitled "Nanisivik Mine Property, Geochemical Survey, West Sheet" (5 copies)
- 1:20:000 surface plan entitled "Nanisivik Mine Property, Geochemical Survey, East Sheet" (5 copies)

Yours sincerely,

Robert Carreau
Corporate Manager, Environmental Affairs
Breakwater Resources Ltd.

cc. Bill Heath, Vice-President CanZinco Ltd.

June 20, 2003

Robert R. Carreau, CCEP
Corporate Manager
Environmental Affairs
Breakwater Resources Ltd.
95 Wellington Street West
Suite 2000
Toronto, Ontario
M5J 2N7

Sir,

In response to your query for information regarding the soil geochemistry survey conducted in 1985 over the Nanisivik property, specifically the data contained on the two 1:20,000 scale maps examined on June 18th, I have the following comments.

The geochemical data shown on those maps was collected as part of a property wide geological mapping exercise undertaken as a small segment of a larger PHD thesis project by Dr. Michael Neumann for the University of Heidelberg under both the supervision of Ron Sutherland and myself. The samples were taken roughly every 300 to 500 metres across the property by Dr. Neumann himself. As there is limited to no soil profile developed at Nanisivik no attempt was made to take material from a particular part of the hole. Essentially a 10 to 15 cm hole was dug using a hand spade or trowel and approximately 100 grams of material was put into a standard kraft paper geochem sample bag. Locations were determined using detailed airphotos and orthophotos purchased for this exercise. Details such as location, rock type in the area, amounts of organics if applicable etc were recorded as was standard practice with all the more detailed soil geochem programs conducted on the property.

The samples were sent to the Nanisivik assay laboratory for preparation and analysis using industry recognized protocols and techniques. Industry accepted internal quality control and assurance procedures such as the insertion of blanks and standards were also followed.

It should be noted that at Nanisivik, soil geochemistry was a good tool for finding sub-cropping sulphides containing lead and zinc. In areas such as Ocean View and K-Baseline where the sulphides outcrop naturally, values as high as 1 to 2% zinc occur in the soils at surface as they have since the last ice age. In almost all cases the higher lead and zinc values noted on the map are correlateable to known zones which gives one confidence that no significant problems occurred with the assaying of the samples from that program.

As limited exploitation was taking place outside of the main mine at this time, I am firmly of the belief that these assays represent real background values for the Nanisivik property. Of course in areas such as the tailings pond and road to the dock some minor contamination had taken place at that time.

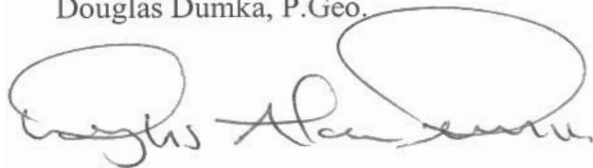
In fact a more detailed examination of the results of the survey for the area near the road to the dock and concentrate load out facility, was undertaken to determine if the large low intensity zinc anomalies noted on either side of the road were real. As the lead and zinc sulphides are almost always associated with massive pyrite at Nanisivik, geophysical surveys especially electromagnetic surveys such as TURAM and VLF-EM were used to screen for conductors. Subsequent geophysical surveys in this area failed to find any significant conductors.

Therefore the conclusion that was reached was that the geochemical anomalies were due to dusting losses from the concentrate trucks traveling from the concentrate load out in the mill to the concentrate storage at the dock.

I hope this answers your questions.

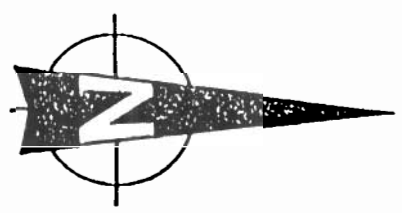
Sincerely,

Douglas Dumka, P. Geo.

A handwritten signature in dark ink, appearing to read 'Douglas Dumka', written in a cursive style.

24 000 E
26 000 E
28 000 E
30 000 E
4 000 N

○ 42, 24, 60

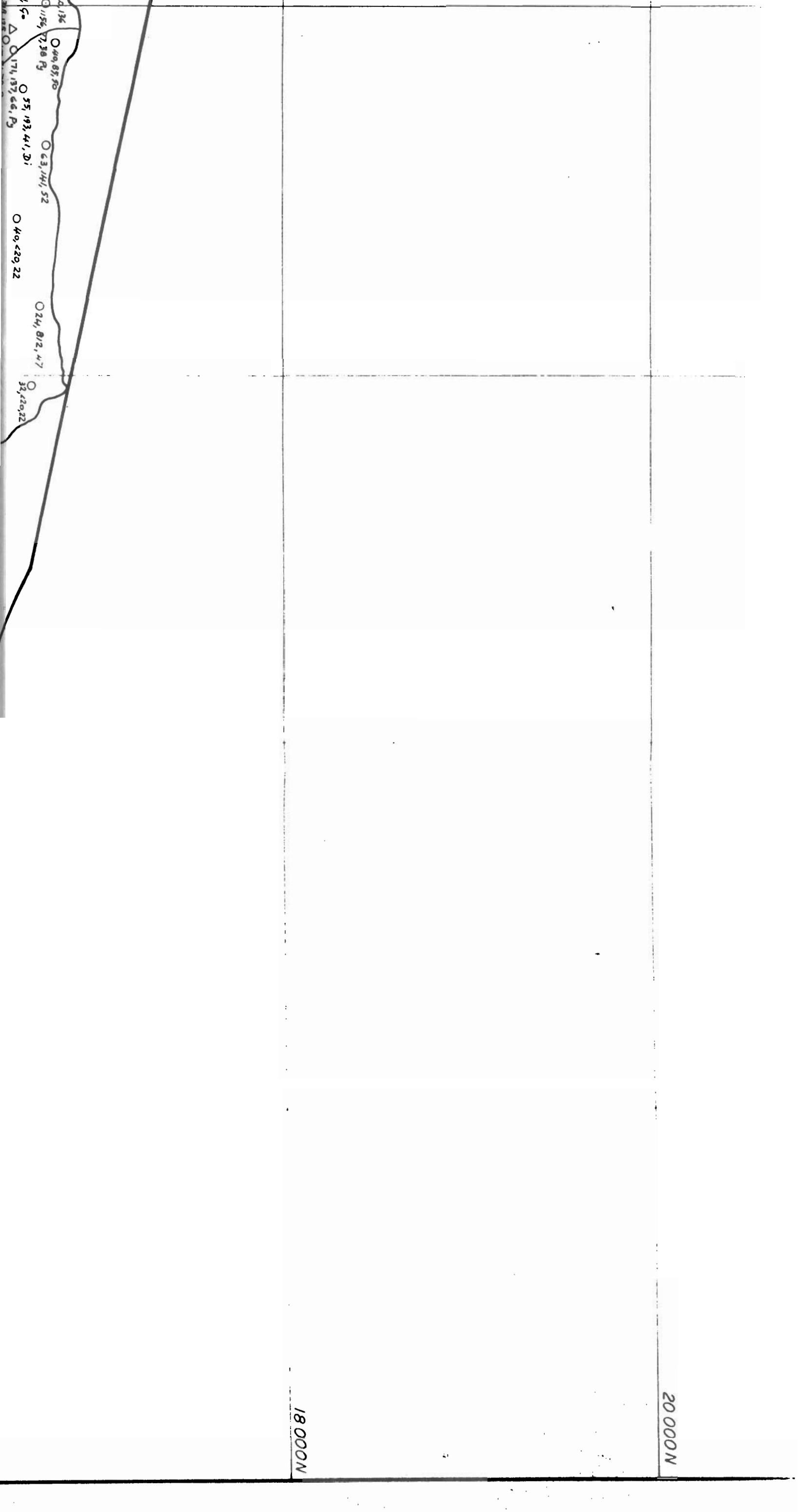


NUNAVUT WATER BOARD
SCANNED
JUN 25 2003
REF. #

- Geochem sample point
- Cathod sample point
- Assay in ppm : Pb, Zn, Cu.
- Sphalerite
- Gossan
- Pyrite
- Diabase (dyke)
- Contamination

REV	DATE	SIGN	DESCRIPTION
TITLE			
NANISIVIK MINES LIMITED			
NANISIVIK, NORTHWEST TERRITORIES			
NANISIVIK MINE PROPERTY			
GEOCHEMICAL SURVEY			
EAST SHEET			
SCALE			
0 1000 m			
1:20 000			
DATE	DRAWING No.		
FEB. 1986			
DESIGNED	DRAWN E S		



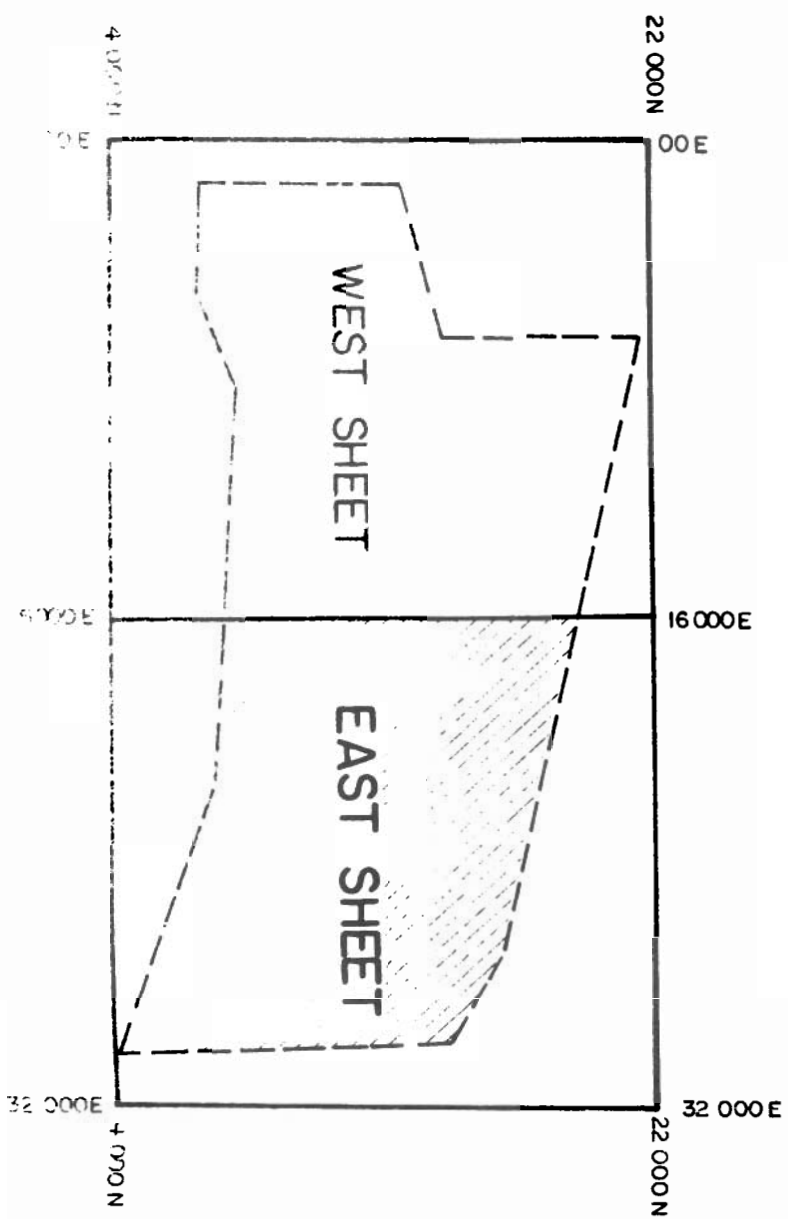


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18 000

20 000

22 000



INDEX MAP

1:250 000

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A
S/
Q
P
D
P

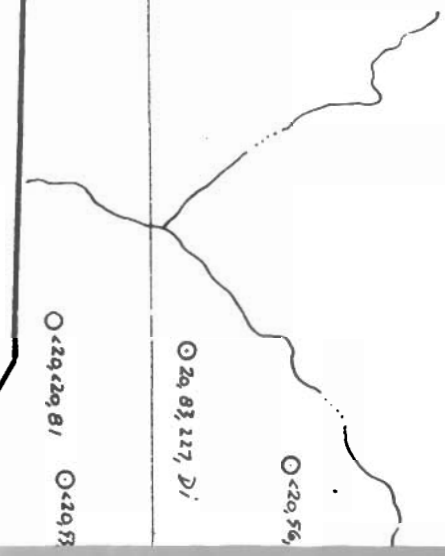
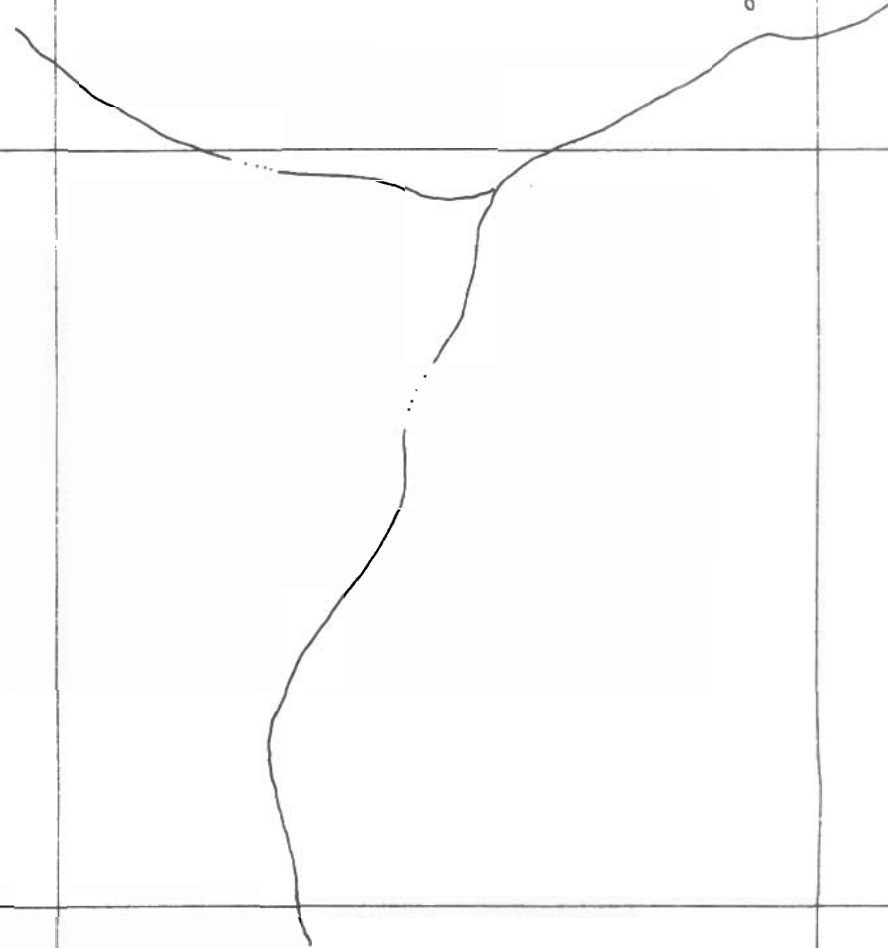
0/44,442

10 000 N

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 $\odot <29, <29, <29$

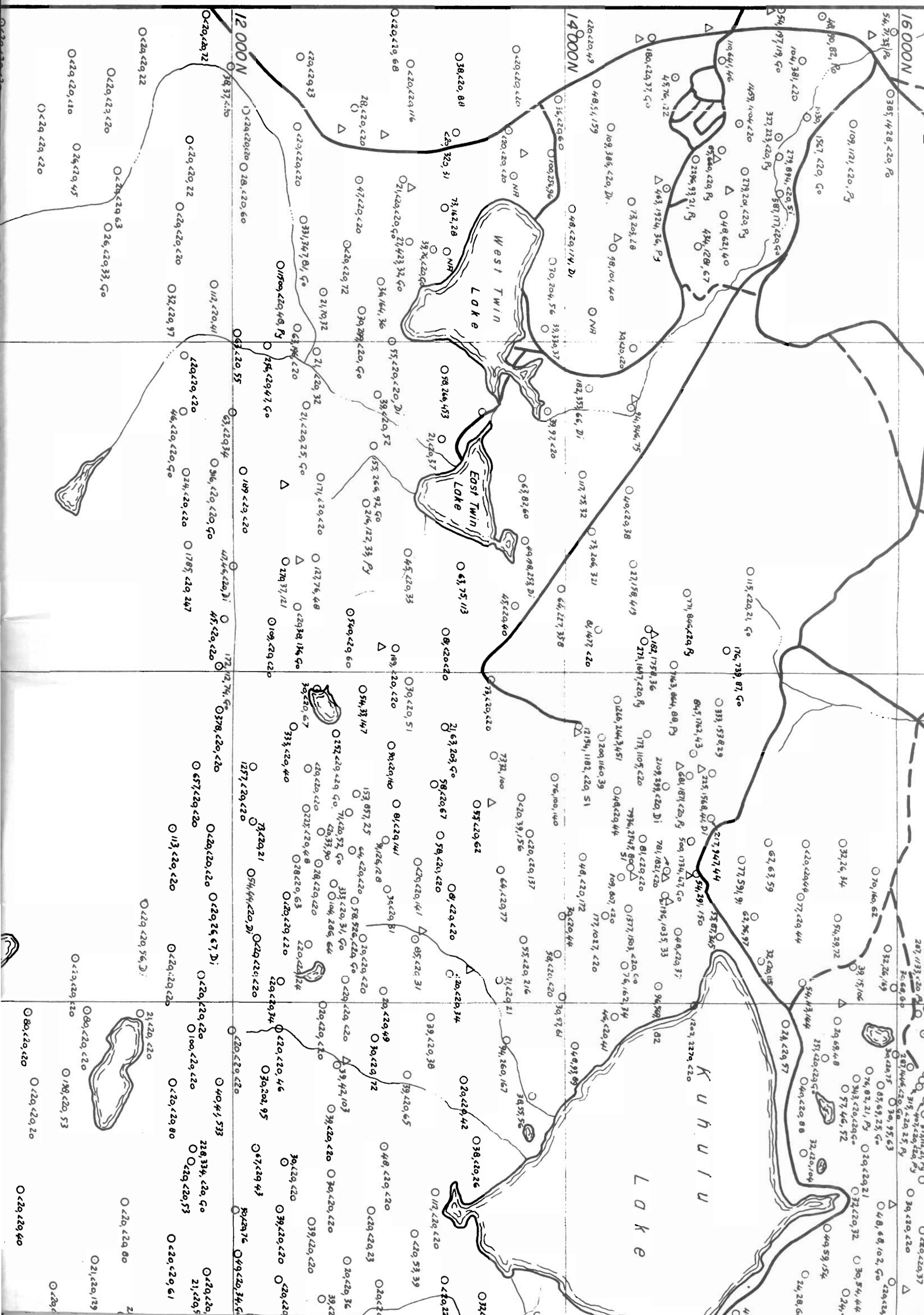
8 000 N

6 000 N

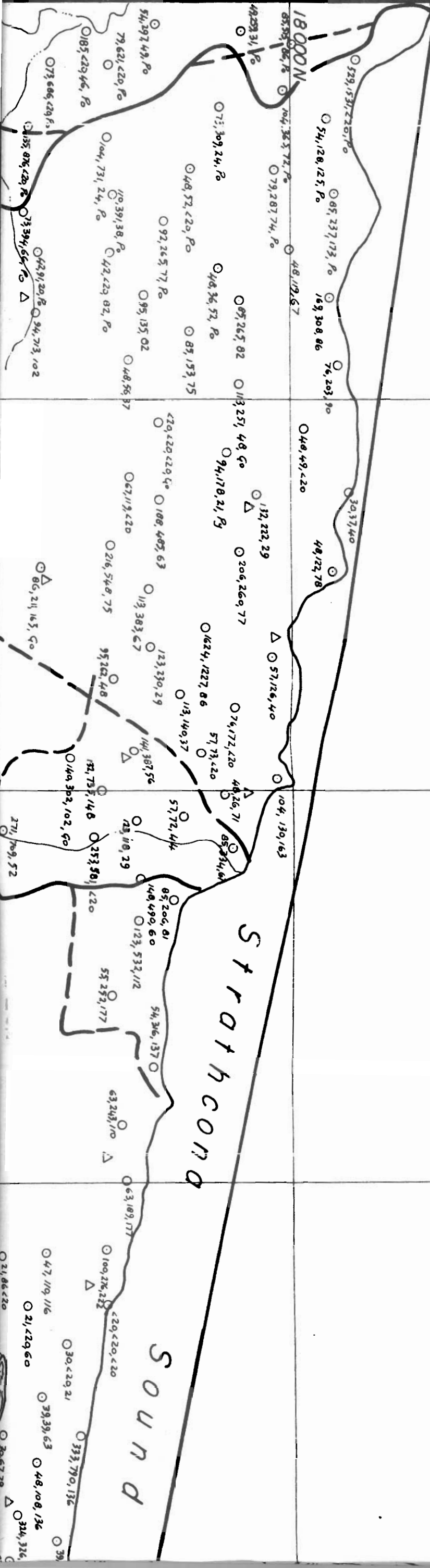


$\odot <29, 56,$
 $\odot 29, 83, 227, 21$
 $\odot <29, <29, 81$ $\odot <29, 83$

$\odot <29, 22,$



20 000N

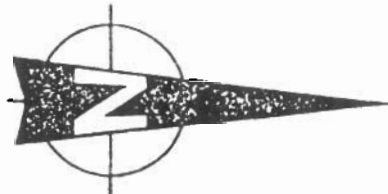


10 000E

12 000E

14 000E

4 000N



Geochem sample point

Cathod sample point

Assay in ppm : Pb,Zn,Cu.

Sphalerite

Gossan

Pyrite

Diabase (dyke)

Contamination

REV	DATE	SIGN	DESCRIPTION
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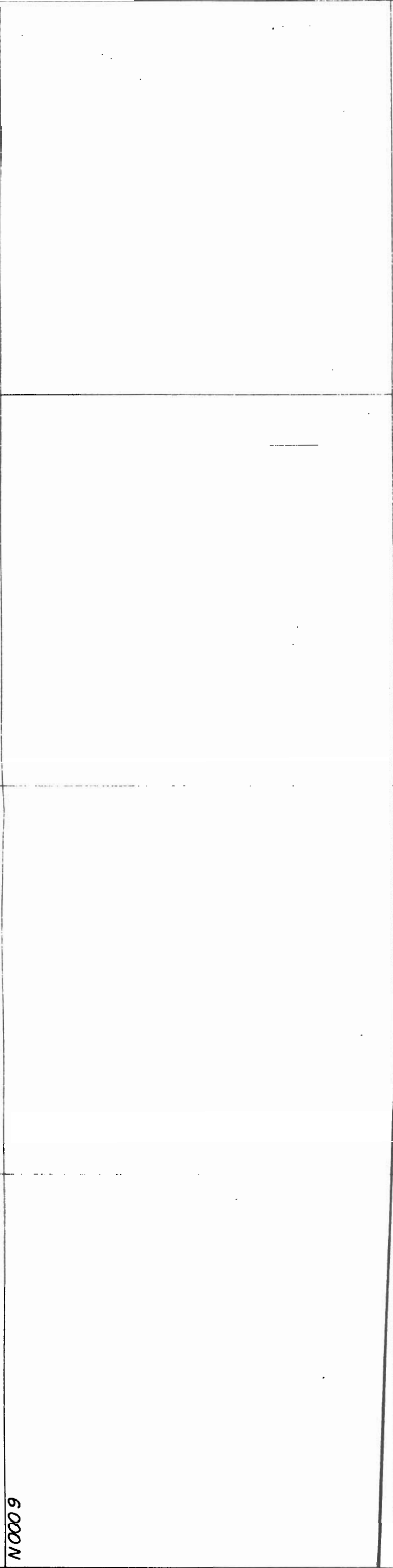
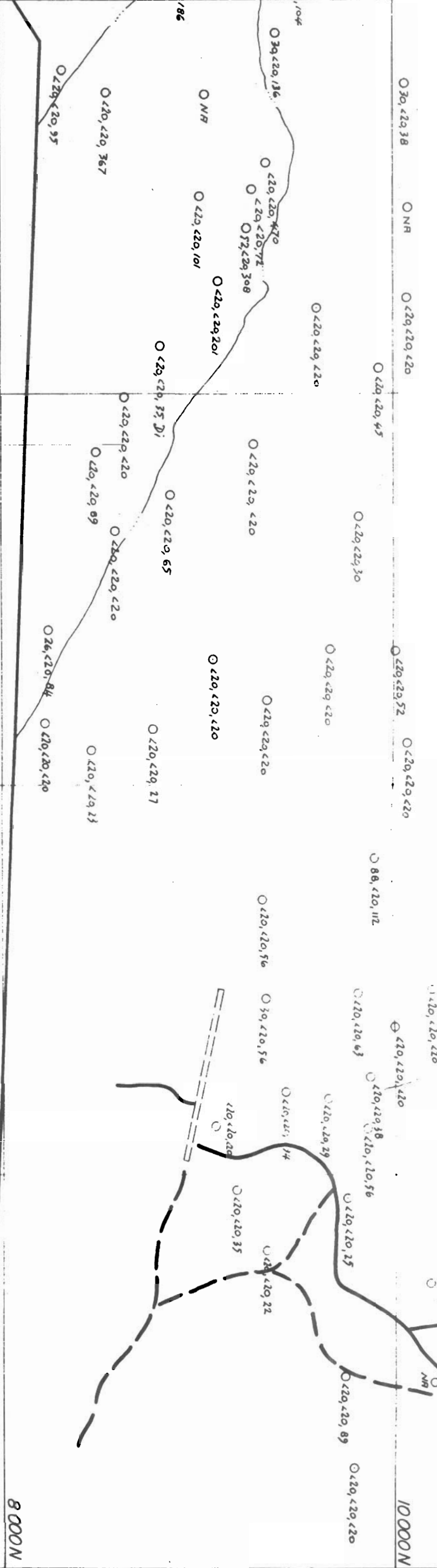
NANISIVIK MINES LIMITED			
NANISIVIK, NORTHWEST TERRITORIES			

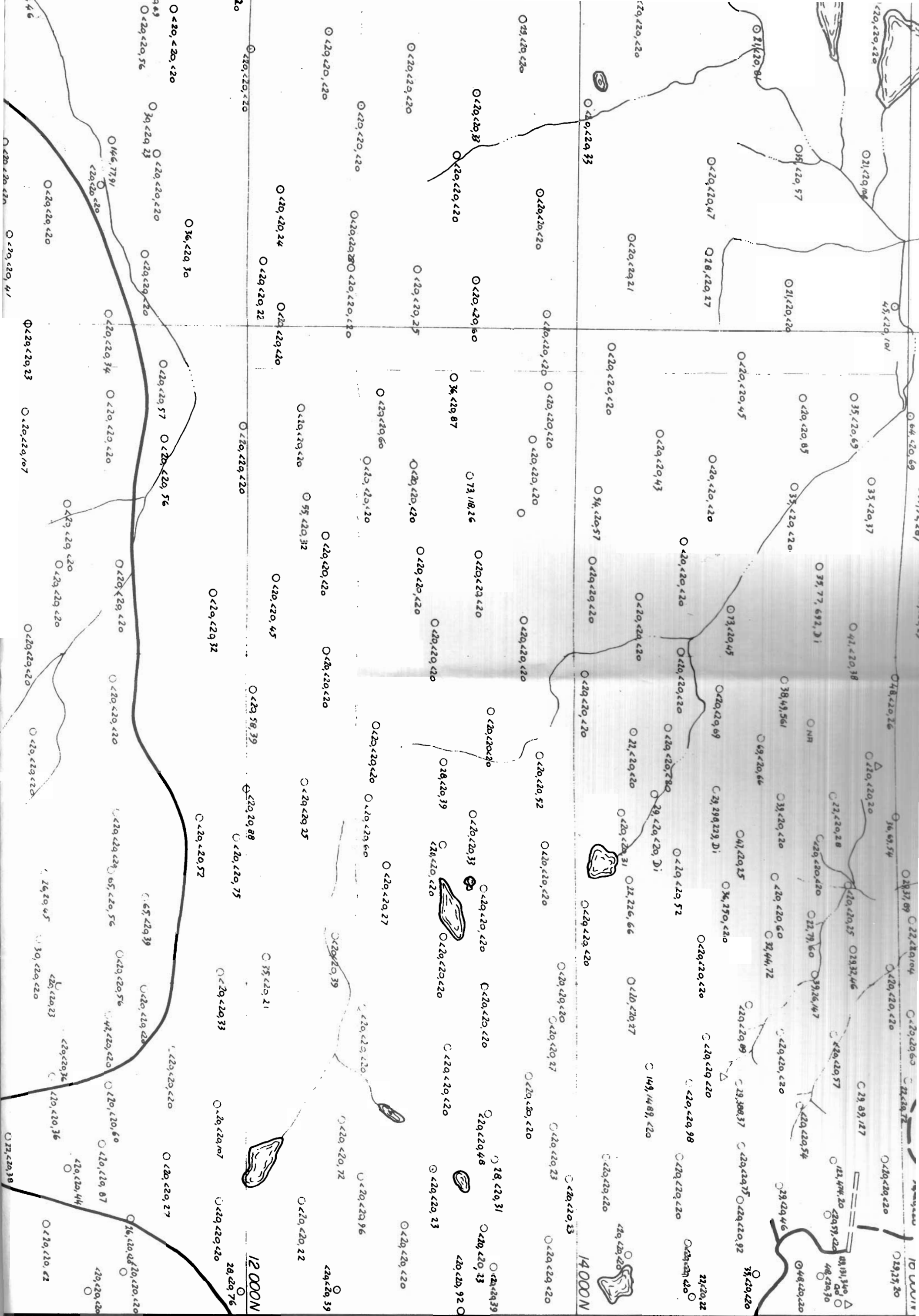
TITLE			
NANISIVIK MINE PROPERTY			
GEOCHEMICAL SURVEY			
WEST SHEET			

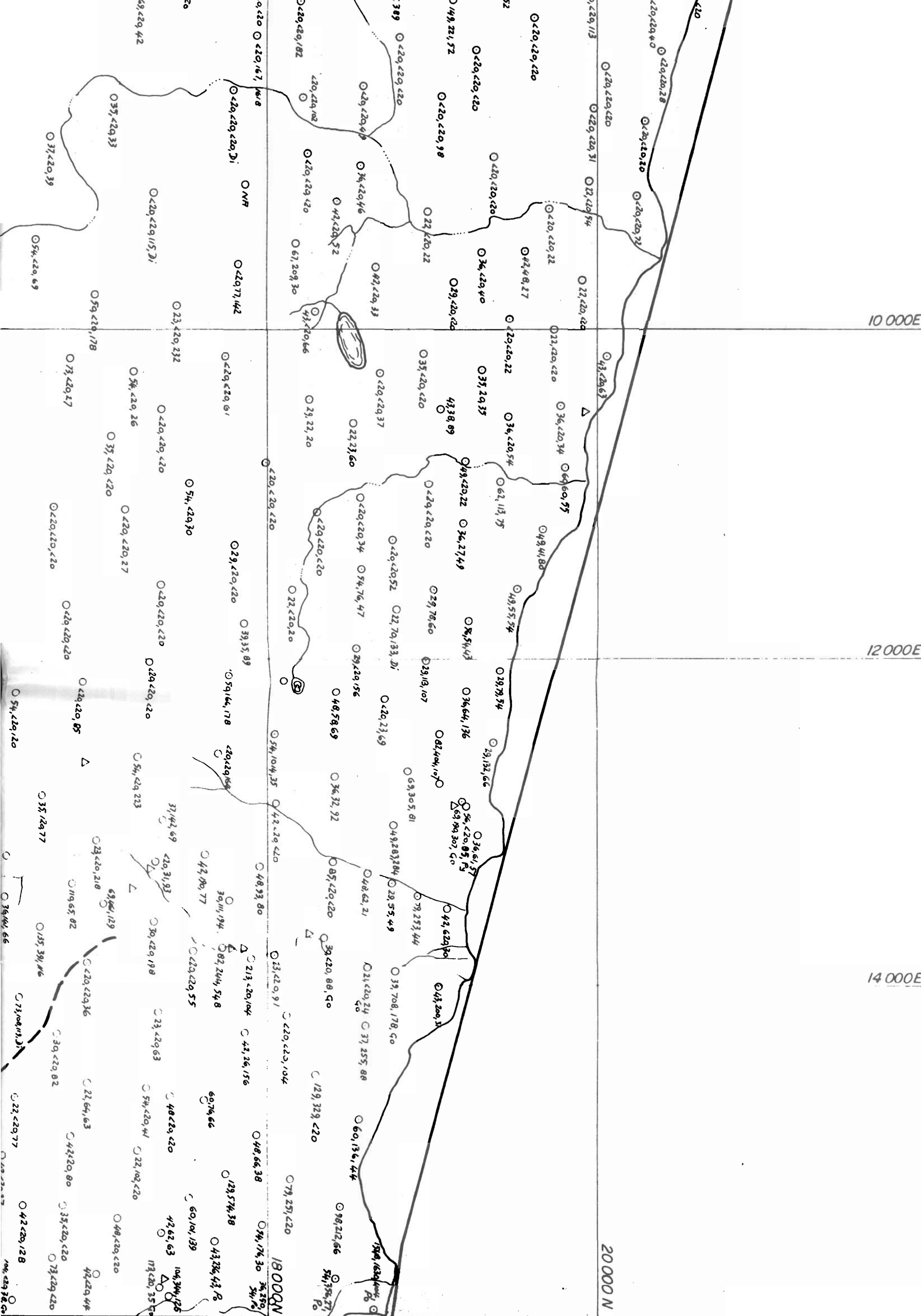
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1 : 20 000

DATE	FEB. 1986	DRAWING No
DESIGNED		DRAWN E S







10 000E

12 000E

14 000E

20 000 N

18000 N

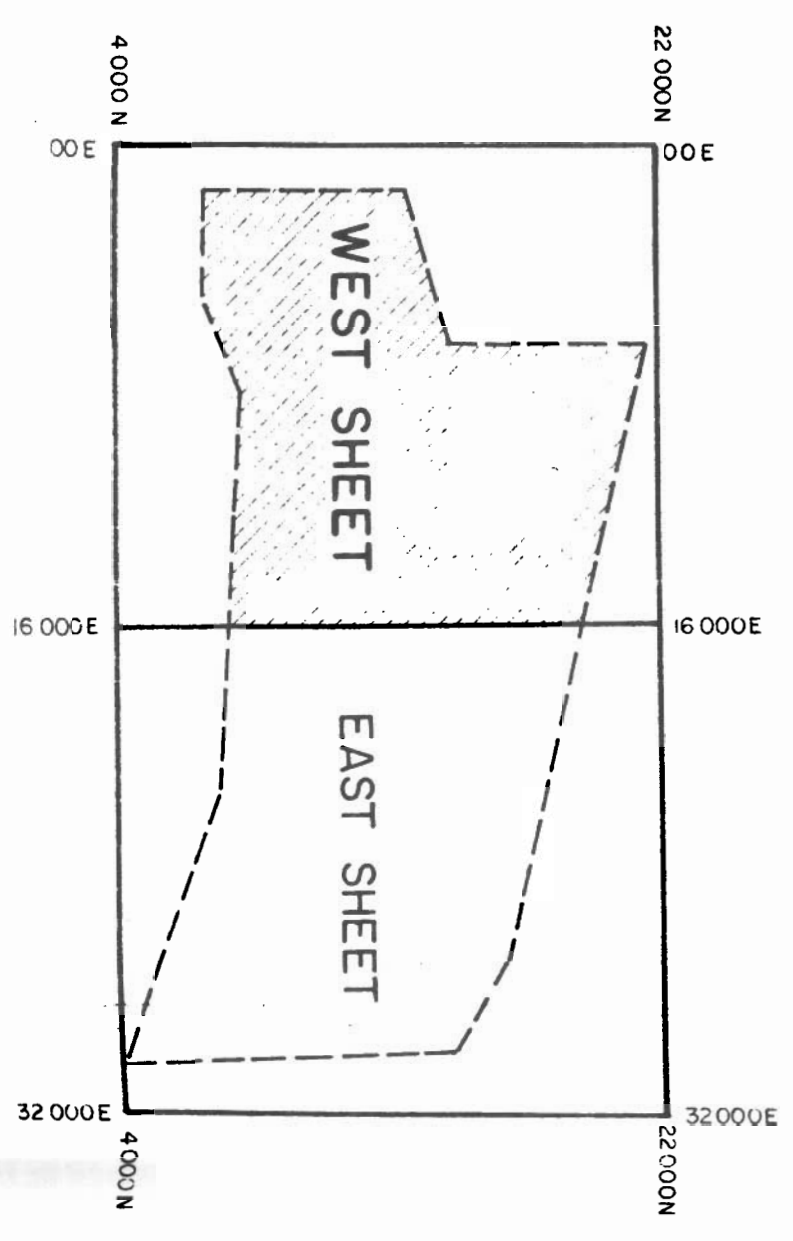
4 000 N

2 000 E

4 000 E

6 000 E

8 000 E



INDEX MAP

1:250 000

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△
○
S/
Q₀
P_y
D_i
P₀

0 141, 142, 14

20, 24

③ $<20, <40, 7$

 $0 < 2q < 2$

○ $\angle 20, \angle 20, \angle 20$

○ $\angle 20, \angle 20, \angle 20$

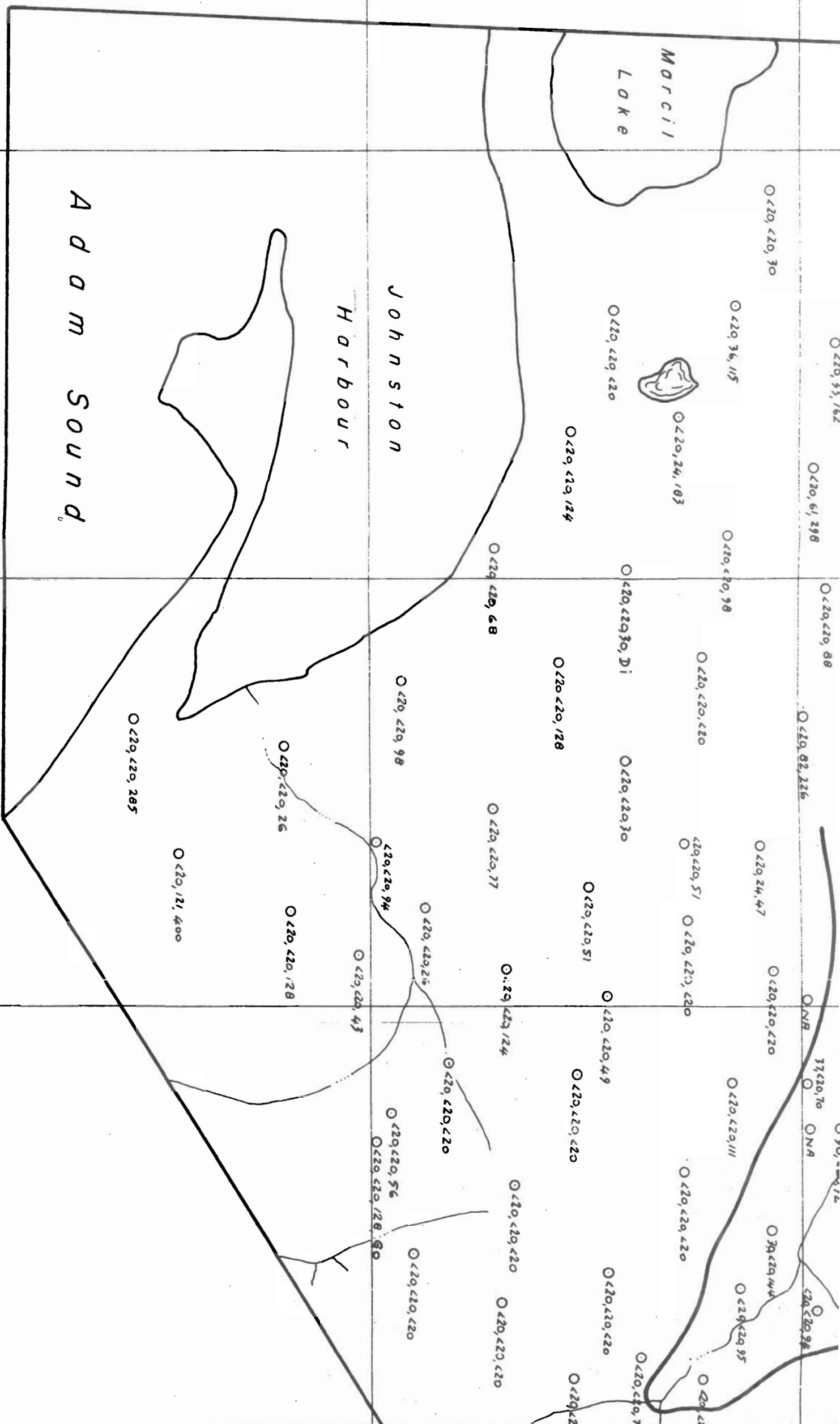
○ <20, <20, <20

७०

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Adam Sound

6 000 N



2 000 E

4 000 E

6 000 E



20 000 N

18 000 N

