5632

GEOCHEMICAL SURVEY

OF

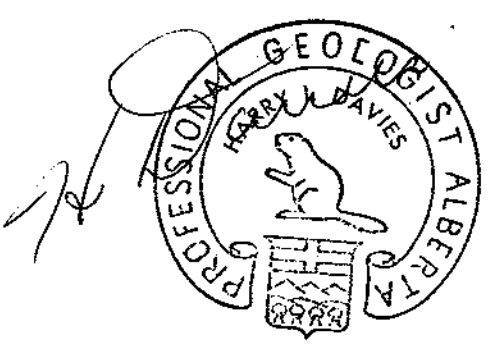
SANDY CLAIM GROUP

EAST KOOTENAY AREA, B.C.

SANDY
82F/10E

BY: H. Davies
Geologist

DATE: September, 1975



C O N T E N T S

Enclosures (6)

MAPS

#1 - LOCATION MAP
2 - GEOCHEMICAL SAMPLE STATIONS
3 - GEOCHEM SAMPLE STATIONS ... ZN P.P.M
4 - GEOCHEM SAMPLE STATIONS ... PB P.P.M.

INTRODUCTION

The writer: Mr. Harry Davies was contacted by Mr. Dave Wiklund of Boswell, B.C., and owner of Mineral Claims Nos. 15611 & 15660 to do a geochemical survey over a portion of the claim area lying within Claim Block #15611; namely Sandy #1. The field work was carried out by myself and an assistant during the first week of September, 1975. Geochemical analysis was done by Loring Laboratories of Calgary, Alberta. Results were presented in chart and contoured map form which are enclosed herein. One of the purposes for this work is to earn work credits as outlined in the Mineral Act Regulations, of British Columbia.

LOCATION

The Sandy Group of Claims consists of two contiguous claims. They are located about 7 miles up La France Creek, which flows into Kootenay Lake. They are situated about 100 yards South of the main stream. The Eastern boundry of the Sandy #1 Claim roughly terminates at a Southern tributary of La France Creek, (See enclosed map).

Access is gained by way of a good logging road. The Sandy #1 Claim, on which the geochemical survey was confined, straddles this road.

TOPOGRAPHY

(Refer to enclosed maps)

The area in which the Sandy mineral group is located has been logged

over recently. About 10% of the area covered by the claims has been logged.

The claims are located on the East flank of a fairly steeply, dipping ridge, which trends roughly in a North-South direction. The area is well drained and dry, and a topography map is included, made from the results obtained from a barometer-type instrument--all readings were made in one day and are, therefore, relatively accurate. Walking is not difficult, as local underbrush is sparse. In areas where no logging has occurred, access is very good. No rock outcrops were found in the immediate area.

SAMPLING PROCEDURE

Sampling stations were located by using a Brunton compass and a measuring chain and tie-ins were completed at the end of each line and stations were flagged and locations marked on each flag. Sampling stations were 50 feet apart in an East-West direction, and 200 feet apart in a North-South direction. The survey was tied in with the original center claim line.

All samples were collected from the "C" horizon, which exhibited a deep red ferruginous colour due to oxidation. It was necessary only to dig holes one to two feet in depth to reach this horizon. The samples were logged in cloth sample bags and allowed to dry. They were subsequently taken to Loring Laboratories in Calgary, for analysis.

LABORATORY PROCEDURES

Samples were dried at 105°C for 12 hours. When dried, the samples were sieved through an 80 mesh screen with the -- 80 fraction retained for analysis.

One half gram sample was put into a test tube along with 1 ml. water, 3 ml. concentrated H Cl, and 1 ml. concentrated HNo_3. The sample was then digested in a waterbath at 100°C, with an occassional shaking to ensure complete digestion.

Water was added to bring the sample up to 10 ml, shakened and allowed to settle; then put through an atomic absorption apparatus with the appropriate standards.

ASSAY RESULTS

(See attached geochemical data).

Analysis' were requested on the zinc and lead content, of the soil samples.

The lead results indicate a rather low residual value of about 25 parts per million. Three separate and distinct anomalous lead occurrences are exhibited in the area investigated. (Refer to Pb Map).

Anomaly No. 1 is well defined with little room left for expansion, while anomalies No. 2 and No. 3 are not well controlled by sample points and could be enlarged.

Topography does not appear to have been a major contributing factor to the anomalous values.

The zinc anomalies closely parallel the lead anomalies and are coincident with the latter. The background value for zinc was taken at 300 parts per million, which is much higher than that of lead, the maximum values in this case are very much higher also. The anomalous zinc areas occur as indicated on the zinc map.

INTERPRETATIONS

Due to the narrow configuration of the No. 1 anomaly, there appears to

have been very little transportation, either mechanically, or chemically, of the lead and zinc components in the soil.

The higher zinc values may be due to a relatively higher zinc content of the mineralized zone.

No outcrops were observed in the immediate area, but the writer believes that the claims area is underlain by the Dutch Creek argillite schists, in which a number of quartz carbonate, barite, and fluorite veins are known to occur. One could, therefore, interpret that the No. 1 anomaly, and possibly, No. 2, are mineralized veins lying fairly close to the surface.

Some mineralized float was examined in the vicinity of anomaly No. 3. In this case, the galena occurs in a calcareous quartzite as a replacement. It is not known for certain that the float is directly associated with the No. 3 anomaly but it seems probable that it does.

RECOMMENDATIONS

An expansion of the original geochemical survey is warranted, especially in No. 2 and No. 3 anomalous areas.

An I.P. Survey, over the geochemical anomalies, would confirm the existance of the anomalies and any underlying mineral occurences.

To: H. DAVIES CONSULTANTS LTD.,
Box 1153,
CRESTON, B.C.

ATTN: Mr. H. Davies

File No. 10386
Date September 4, 1975
Samples Soil Geochems
Group 2

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPM Pb	PPM Zn
SA-1	181	1450
SA-2	122	465
SA-3	48	507
SA-4	55	364
SA-5	72	329
SA-6	156	432
SA-7	110	432
SA-8	117	507
SA-9	25	247
SA-10	26	190
SB-1	94	516
SB-2	72	425
SB-3	26	252
SB-4	240	1035
SB-5	1570	5070
SB-6	117	526
SB-7	57	483
SB-8	23	212
SB-9	25	218
SB-10	46	1245
SC-1	36	315
SC-2	33	277
SC-3	20	165
SC-4	26	200
SC-5	23	378
SC-6	425	2125
SC-7	48	371
SC-8	42	1120
SC-9	94	465
SC-10	42	516
SD-1	29	224

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Licensed Assayer of British Columbia

To: H. DAVIES CONSULTANTS LTD.,
Box 1153,
CRESTON, B.C.

ATTN: Mr. H. Davies

File No. 10386
Date September 4, 1975
Samples Soil Geochems
Group 2

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPM Pb	PPM Zn
SD-2	23	218
SD-3	39	315
SD-4	26	247
SD-5	21	230
SD-6	18	212
SD-7	29	265
SD-8	26	145
SD-9	21	378
SD-10	20	270
SE-1	14	121
SE-2	23	290
SE-3	23	180
SE-4	26	140
SE-5	28	140
SE-6	20	140
SE-7	26	190
SE-8	21	200
SE-9	29	130
SE-10	29	277

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Licensed Assayer of British Columbia

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Sept 27th 1975

Mr D Wiklund

Boswell B.C.

In account with H Davies Box 1153 Creston, B.C.

Re: Geochemical survey on your Sandy claim Group.

Soil sampling etc. 1½ days @ $180.00/day ---		$270.00
Mar milage 800 miles @ 20¢ ----------		160.00
Writting report and Mapping etc. 2 days ----		360.00
		$790.00

Disbursements:

Assaying----------	$75.00	
Drafting ----------	14.50	
Reproductions ----------	7.75	
Typing ,folders etc ----------	16.00	
		$113.25

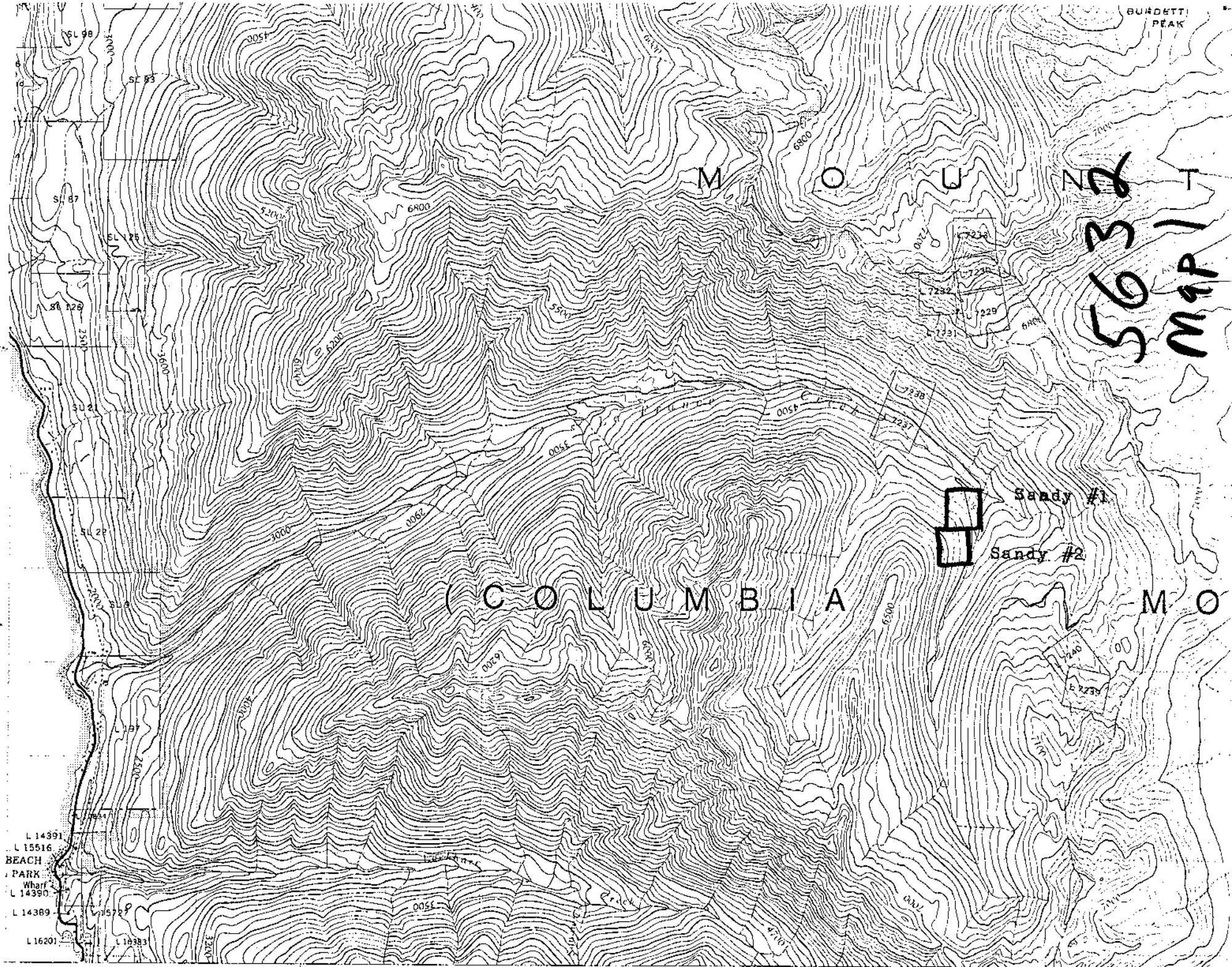
Total----$903.25

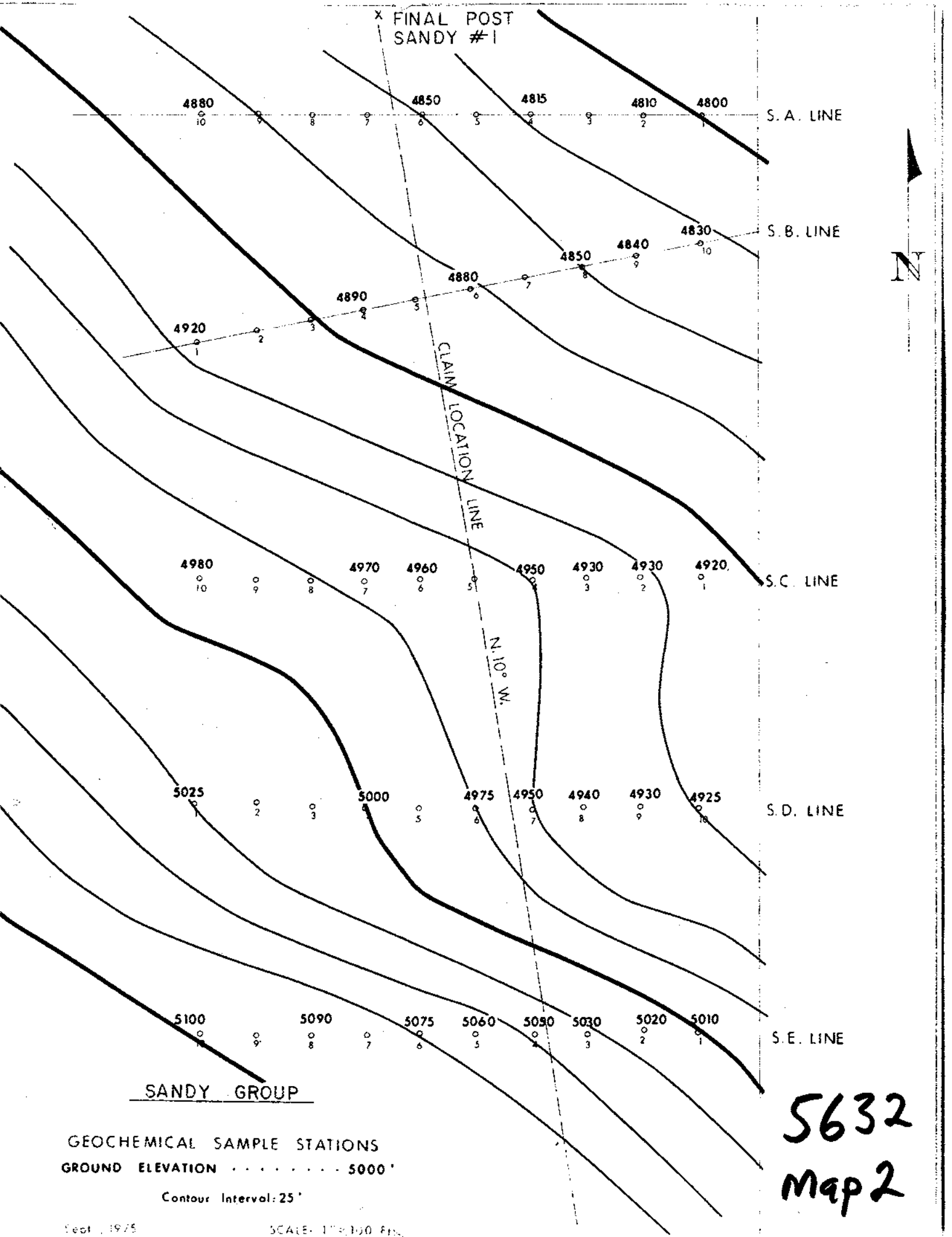
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5632 MAP .....

respectively submitted

Harry Davies

Harry I Davies(P Geol)


KOOTENAY LAKE
MOUNT
BURDETT PEAK
Sandy #1
Sandy #2
COLUMBIA
MO
SL 98
SL 83
SL 87
SL 125
SL 126
SL 21
SL 22
SL 9
L 14391
L 15516
BEACH
PARK
Wharf
L 14390
L 14389
L 16201
L 16383
45'
Joins 82 F/7
40'



SANDY GROUP

GEOCHEMICAL SAMPLE STATIONS

GROUND ELEVATION . . . . . 5000'

Contour Interval: 25'

Sept., 1975

SCALE: 1" = 100 Ft.

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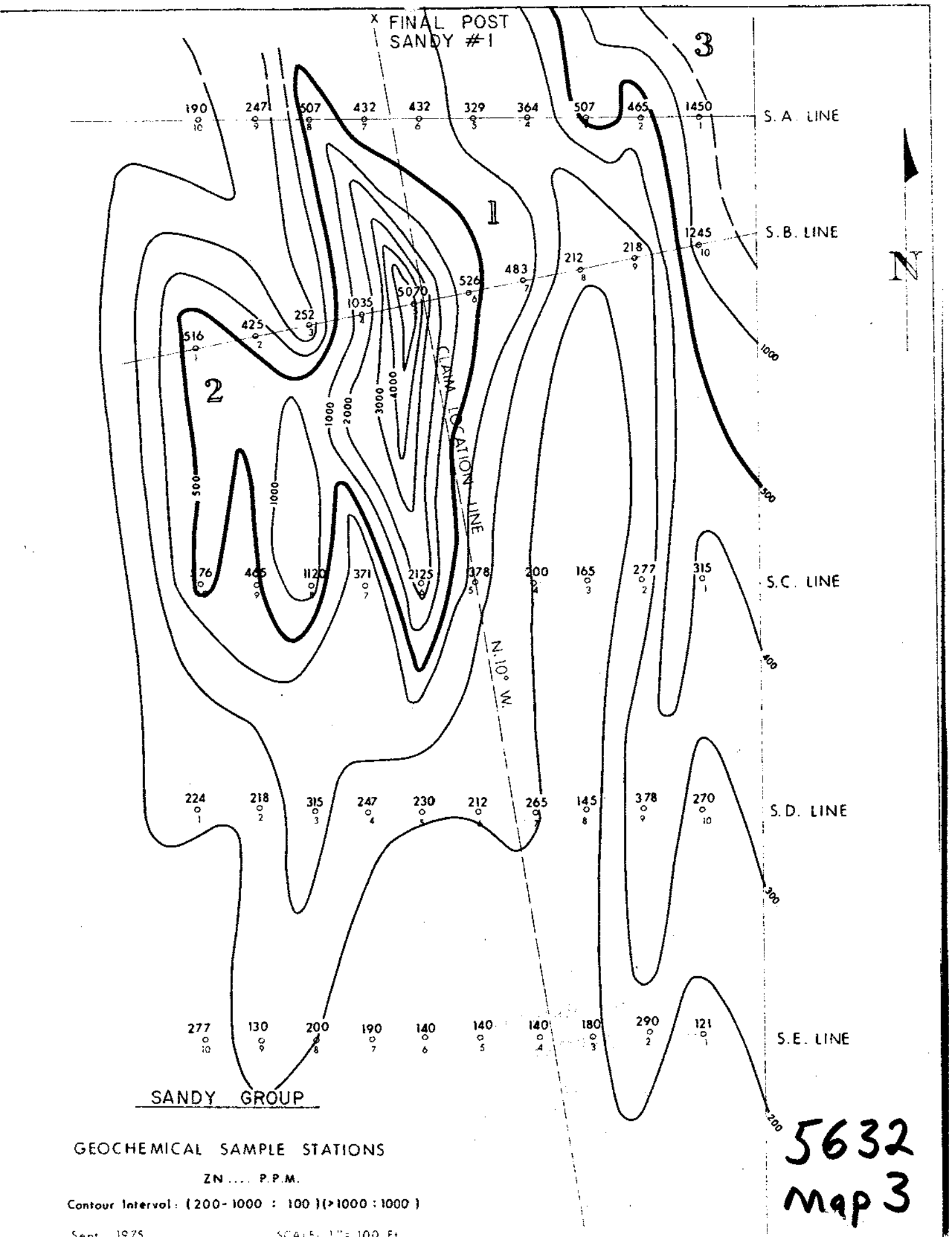
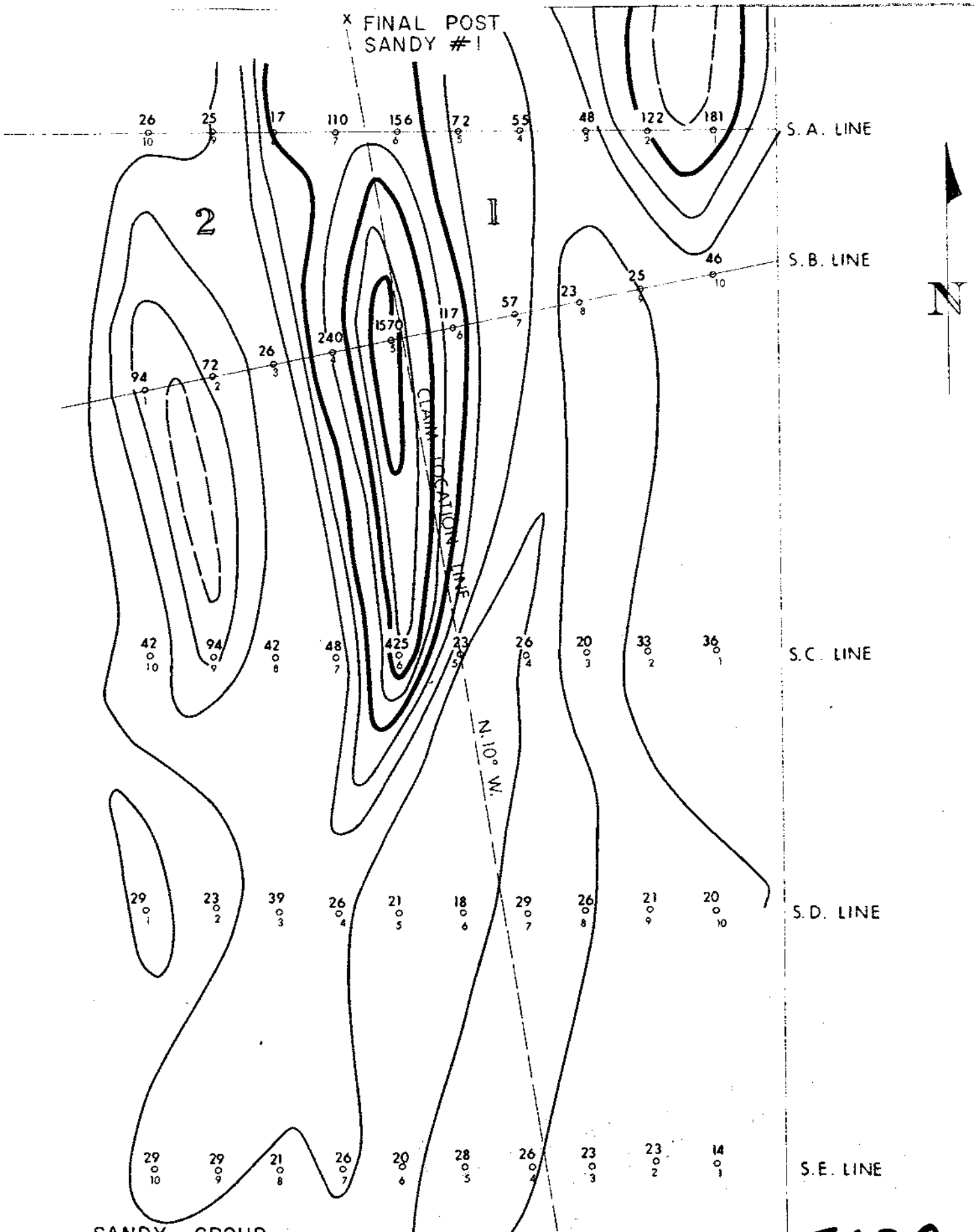
Map 2


FINAL POST
SANDY #1
S.A. LINE
S.B. LINE
S.C. LINE
S.D. LINE
S.E. LINE
CLAIM LOCATION LINE
N. 10° W.
1
2
3
N
190 2471 507 432 432 329 364 507 465 1450
1245 218 212 483 526 5070 1035 252 425 516
376 465 1120 371 2125 378 200 165 277 315
224 218 315 247 230 212 265 145 378 270
277 130 200 190 140 140 140 180 290 121
1000
500
1000
2000
3000
4000
500
400
300
200
SANDY GROUP
GEOCHEMICAL SAMPLE STATIONS
ZN .... P.P.M.
Contour Interval: (200-1000 : 100)(>1000 : 1000)
Sept. 1975
SCALE: 1"= 100 Ft.

5632
Map 3



SANDY GROUP

GEOCHEMICAL SAMPLE STATIONS

PB.....P.P.M.

Contour Interval: (0-100 : 25) (>100 : 100)

Sept., 1975 SCALE: 1"= 100 Ft

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Map 4