

92 H / 7 W

owner: *Beck's Publications Ltd*

GEOPHYSICAL REPORT

by R.E. ANDERSON

R.C. 1 - 10 and R.C. 17 - 26 M.C.'s

Lodestone Mountain, B.C.

Similkameen Mining Division

Lat. $49^{\circ}14'$ Long. $120^{\circ}50'$

was made from mag/68

92 H 7/W

1566

1566

SUMMARY REPORT

MAGNETOMETER SURVEY

R. C. MINERAL CLAIMS

PRINCETON, B. C.

BY

R.E. ANDERSON, P.ENG.

JUNE, 1968

T A B L E O F C O N T E N T S

	<u>Page</u>
INTRODUCTION	1
LOCATION AND ACCESSIBILITY	1
SURVEY GRID	2
MAGNETOMETER SURVEY PROCEDURE	2
GEOLOGY	2
DISCUSSION OF RESULTS	3

APPENDIX

- (1) SCHEDULE OF MINERAL CLAIMS
- (2) AFFIDAVIT OF EXPENDITURES

ENCLOSURES

- Fig. #1 - MAGNETOMETER SURVEY MAP - Contour Int. 500 # 1
Horizontal Scale 1" - 400'
- Fig. #2 - MINERAL CLAIM MAP 1" - 1000' # 3
- Fig. #3 - TOPOGRAPHIC MAP 1" - 400' # 2

SUMMARY REPORT

MAGNETOMETER SURVEY

R.C. MINERAL CLAIMS

PRINCETON, B.C.

INTRODUCTION

During April and May of this year, a detailed magnetometer survey was completed over a group of mineral claims owned by Bethex Explorations Ltd. (N.P.L.) of Vancouver, B.C. The survey investigations extended over an area of approximately one square mile. Line cutting, chaining and instrument readings were undertaken by a crew of four men working under the direction of the writer. The field crew, all of whom are employed by Bethex on a year-round basis, consisted of three line-cutters and a senior geologist.

Results of the survey program together with a claim map and topographic map of the area are shown on Figs. #1, #2 and #3, which accompany this report.

LOCATION AND ACCESSIBILITY

The claim group is comprised of a contiguous block of 40 unsurveyed mineral claims lying within the boundaries of the Similkameen Mining Division, approximately 8 miles due west of the town of Coalmont, B.C. Within the boundaries of the survey grid, the terrain is heavily wooded and mountainous with ground elevations ranging from 4600 to 5300 feet above sea level. (Fig. #2)

Access to the property from Coalmont is provided by an old abandoned logging road. During the survey period, the initial 3 miles of road was passable by a four-wheel drive vehicle. Because of 4 to 5 feet of snow cover at the higher elevations, a "Skidoo" was used for transporting equipment and personnel over the remaining distance.

SURVEY GRID

Commencing at the southern intersection of R.C. Nos. 1 and 18, a baseline trending due north was established over a distance of 7500 feet. Picket lines extending 3000 feet to the east and west were located at 500-foot intervals over the northern 4500-foot section of the baseline. To provide accurate control, north-south tie lines were established 1500 feet to the east and west of the principal baseline (see Fig. #1).

Total baseline cut and chained	7,500 feet
Total tie line cut and chained	6,000 feet
Total picket line surveyed, chained and flagged	36,000 feet
Total picket line surveyed, chained and cut	24,000 feet
	<hr/>
Total	73,500 feet
	<hr/> <hr/>

Recording stations for magnetometer and altimeter readings were chained and flagged at 100-foot intervals along each of the baseline and picket lines. Snowshoes were required for travel over much of the survey grid.

MAGNETOMETER SURVEY PROCEDURE

Two Sharpe MF 1 Fluxgate Magnetometers, one a rental unit and the other owned by Bethex, were used in completing the survey program. The instruments were adjusted daily at a zero base located some distance from the survey grid. Base stations, established at 100-foot intervals along the baseline between Stations 25N and 75N, were utilized for correcting the readings for diurnal variations and also for providing tie points for picket line surveys. Readings were recorded at 200-foot station intervals along each of the picket lines and the results plotted in map form (see Fig. #1).

GEOLOGY

Rock formations underlying the claim group vary in composition from peridotite to gabbro. A single phase may persist over a considerable area while in other sections the various types are closely spaced. The most abundant rock is a dark grey-green, heavy, coarse-grained pyroxenite.

It consists principally of crystals of pyroxene with minor amounts of olivine and serpentine. Magnetite is the common mineral constituent accompanied by minor concentrations of pyrite, pyrrhotite, chalcopyrite and bornite. Chromite and platinum are also reported to be present in trace amounts by Mr. H.W. Rice, Canadian Geological Survey.

DISCUSSION OF RESULTS

As shown in Fig. #1, several anomalous zones, ranging from 5000 to 6000 gammas above background and extending over considerable areas, have been delineated as a result of the survey program.

In general, these features occur within the central portion of the grid. They exhibit a pattern of random distribution, but are roughly coincident with a northeasterly trending topographic ridge. Magnetic structures flanking the ridge to the northwest are elongated parallel to the ridge and may reflect the presence of a buried fault zone or formational contact in this area.



R.E. Anderson
Prof. Eng. - British Columbia.

June 17, 1968

APPENDIX

SCHEDULE OF MINERAL CLAIMS

R.C. GROUP - SIMILKAMEEN M.D.

<u>Claim Name</u>	<u>Record No.</u>	<u>Record Date</u>	<u>Claims Covered By Magnetometer Survey</u>	<u>Application of Assessment Work</u>
R.C. 1	18399	July 18, 1967	Yes	2 years
2	18400	July 18, 1967	Yes	2 years
3	18401	July 18, 1967	Yes	2 years
4	18402	July 18, 1967	Yes	2 years
5	18403	July 18, 1967	Yes	2 years
6	18404	July 18, 1967	Yes	2 years
7	18405	July 18, 1967	Yes	2 years
8	18406	July 18, 1967	Yes	2 years
9	18507	July 18, 1967	Yes	2 years
10	18408	July 18, 1967	Yes	2 years
11	18409	July 18, 1967	No	Nil
12	18410	July 18, 1967	No	Nil
13	18411	July 18, 1967	No	Nil
14	18412	July 18, 1967	No	Nil
15	18413	July 18, 1967	No	Nil
16	18414	July 18, 1967	No	Nil
17	18415	July 18, 1967	Yes	2 years
18	18416	July 18, 1967	Yes	2 years
19	18417	July 18, 1967	Yes	2 years
20	18418	July 18, 1967	Yes	2 years
21	18419	July 18, 1967	Yes	2 years
22	18420	July 18, 1967	Yes	2 years
23	18421	July 18, 1967	Yes	2 years
24	18422	July 18, 1967	Yes	2 years
25	18423	July 18, 1967	Yes	2 years
26	18424	July 18, 1967	Yes	2 years
27	18425	July 18, 1967	No	Nil
28	18426	July 18, 1967	No	Nil
29	18427	July 18, 1967	No	Nil
30	18428	July 18, 1967	No	Nil

- Continued -

SCHEDULE OF MINERAL CLAIMS

R.C. GROUP - SIMILKAMEEN M.D.

<u>Claim Name</u>	<u>Record No.</u>	<u>Record Date</u>	<u>Claims Covered By Magnetometer Survey</u>	<u>Application of Assessment Work</u>
R.C. 31	18429	July 18, 1967	No	Nil
32	18430	July 18, 1967	No	Nil
33	18431	July 18, 1967	No	Nil
34	18432	July 18, 1967	No	Nil
35	18433	July 18, 1967	No	Nil
36	18434	July 18, 1967	No	Nil
37	18435	July 18, 1967	No	Nil
38	18436	July 18, 1967	No	Nil
39	18437	July 18, 1967	No	Nil
40	18438	July 18, 1967	No	Nil

ELDRICO GEOPHYSICAL SALES LTD.

125 EAST 4TH AVENUE
VANCOUVER 10, B.C.May 31, 1968
Code 491
Req. No. 46
Invoice No. 4106Bethex Explorations Limited
1818 Marine Building
355 Burrard Street
Vancouver, B. C.Rental of 1 Sharpe Model MF-1 Magnetometer
Serial No. 702253 on Rental @ 250.00 per
month (12 extra batteries supplied)

Charge April 3 to May 7:

1 month	\$ 250.00
2 days @ 8.50 per day	17.00
Insurance	4.00
5 % on days over 1 month	.85
	<hr/>
	\$ 271.85
	<hr/>

DOMINION OF CANADA:
 PROVINCE OF BRITISH COLUMBIA.
 To Wit:

In the Matter of

Expenditures incurred by
 Bethex Explorations Ltd. (N.P.L.)
 in completing a magnetometer
 survey of R.C. 1 to 10 and R.C.
 17 to 26 M.C.'s - Similkammen
 Mining Division.

I, R. E. Anderson, P. Eng.

of Bethex Explorations Ltd. (N.P.L.)
 #1818 - 355 Burrard Street
 Vancouver 1, B.C.

in the Province of British Columbia, do solemnly declare that Expenditures were as follows:

Personnel

I. Watson, Geol. Inst. Man	March 20-22 inclusive	\$ 95.25	
	April 19-30 inclusive	380.95	
	May 1-6 inclusive	190.50	
G. Stenchocker - Linecutter	March 20-22 inclusive	58.35	
	April 8-30 inclusive	483.82	
	May 1-9 inclusive	175.00	
G. Boyko - Linecutter	April 8-30 inclusive	419.05	
	May 1-6 inclusive	132.00	
F. Day - Linecutter Inst. Man	April 22-30 inclusive	160.00	
	May 1-6 inclusive	103.44	
D. Roland - map preparation	May 22-31	173.08	
Room & Board @ \$5/day/man	99 x \$5.00	495.00	
	Total	\$ 2,868.44	\$ 2,868.44

Equipment Rental

Sharpe MF-1 Fluxgate Magnetometer	@ \$250/month	\$ 271.85	
Sharpe MF-1 Fluxgate Magnetometer	@ \$250/month	250.00	
Kaiser Jeep - 4-wheel drive	29 days @ \$15	435.00	
Skidoo snow vehicle	29 days @ \$15	435.00	
Chain saw	29 days @ \$5	145.00	
Misc. Equip, Flagging, Chains, Snowshoes	Total	200.00	
	Total	\$ 1,736.85	1,736.85
			\$ 4,605.29

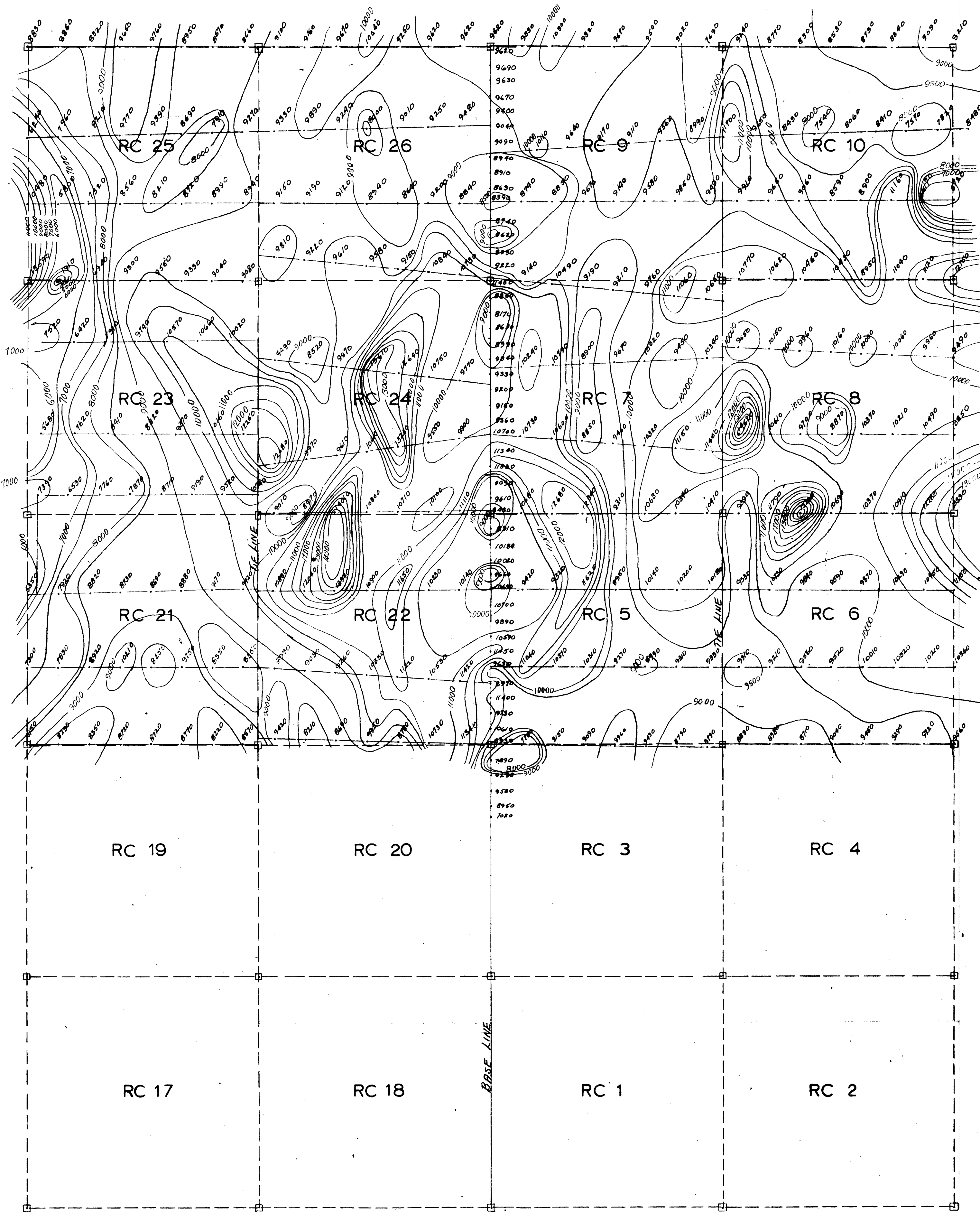
And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the *City*
 of *Vancouver*, in the
 Province of British Columbia, this *21*
 day of *June* 1968, A.D.

R. E. Anderson

John Brown

A Commissioner for taking Affidavits within British Columbia or
 A Notary Public in and for the Province of British Columbia.



75N
70N
65N
60N
55N
50N
45N
40N
35N
30N
25N
20N
15N
10N
5N
0N

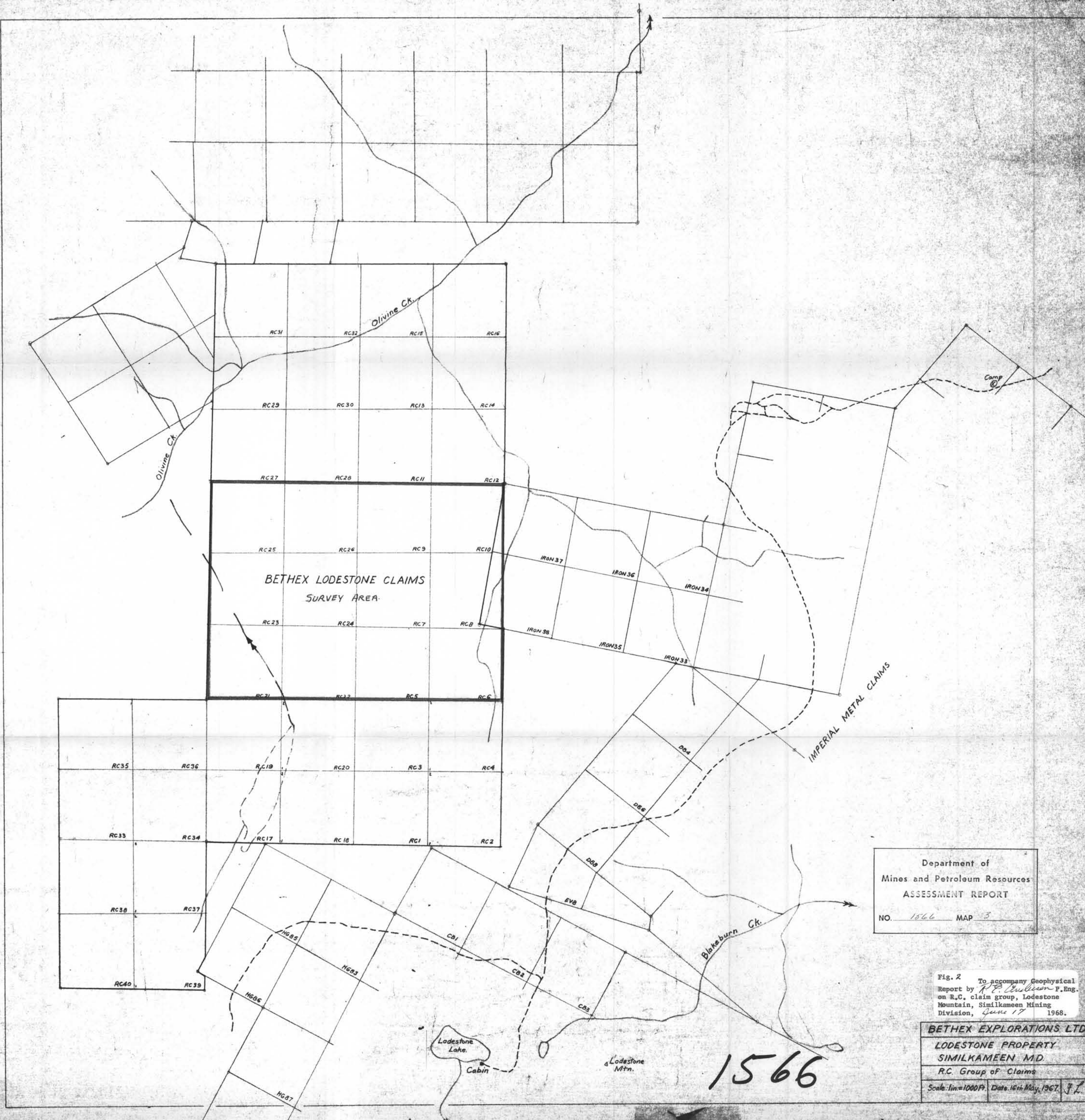


35W 30W 25W 20W 15W 10W 5W 00 SE 10E 15E 20E 25E 30E 35E

Fig. 1 To accompany Geophysical Report by P. C. Clouston, P. Eng. on R.C. claim group, Lodestone Mountain, Similkameen Mining Division, June 7, 1968.

BETHEX EXPLORATIONS LTD. N.P.L.			
PROPERTY: LODESTONE MTN.			
Similkameen Min. Div.			
Magnetometer Survey			
contour interval 500 y			
FIELD WORK BY	DRAWN BY	TRACED BY	APPROVED BY
DATE	DATE	SCALE	1" = 400'
	MAY 23, '68		

1566

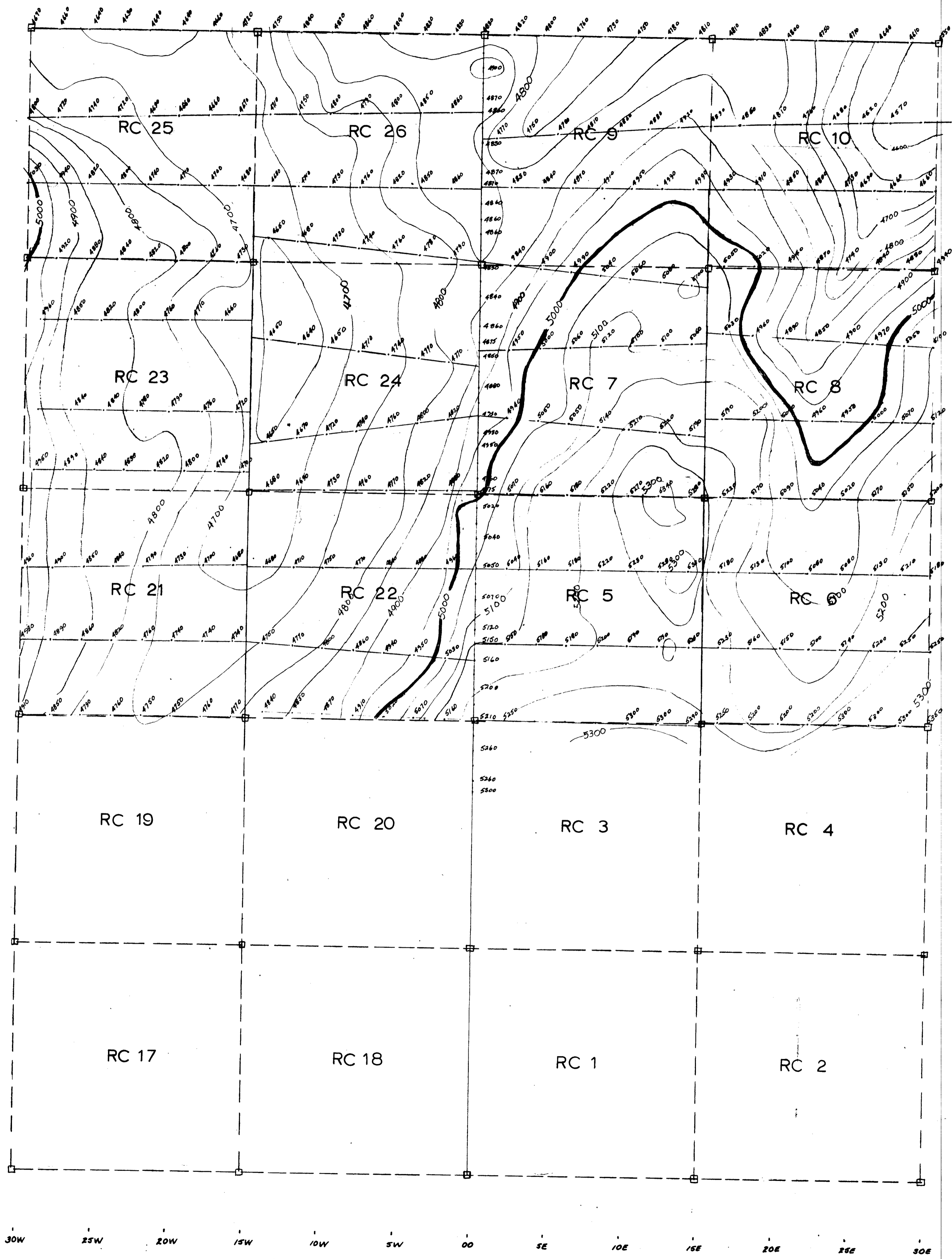


Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 1566 MAP 3

Fig. 2 To accompany Geophysical
Report by R.P. Coulson P.Eng.
on R.C. claim group, Lodestone
Mountain, Similkameen Mining
Division, June 17 1968.

BETHEX EXPLORATIONS LTD.
LODESTONE PROPERTY
SIMILKAMEEN M.D.
R.C. Group of Claims
Scale: 1 in = 1000 ft. Date: 16th May, 1967. J.L.

1566



76N
70N
65N
60N
55N
50N
45N
40N
35N
30N
25N
20N
15N
10N
5N
0N

Fig. 3 To accompany Geophysical Report by *H. E. Davidson P. Eng.* on R.C. claim group, Lodestone Mountain, Similkameen Mining Division, *June 17,* 1968.

BETHEX EXPLORATIONS LTD. N.P.L.			
PROPERTY: LODESTONE MTN.			
Similkameen Mining Div. Topographic Map			
Contour Interval			
FIELD WORK BY	DRAWN BY	TRACED BY	APPROVED BY
DATE	DATE	SCALE	
	MAY 23, '68	1" = 400'	

1566