GEOPHYSICAL & GEOCHEMICAL REPORT

LIZ GROUP

Liz 1-16 (31434-449 R)

Cariboo Mining Division

10 Miles W.S.W. of Likely

52°, 121° N.W.

by J.B. Seaton - Geologist

Supervised by - R.C. Macdonald - P. Eng.

Claims owned by - New Jersey Zinc Exploration Co. (Canada) Ltd.

Time of Work - July, 1966 and September 9th to 25th, 1966.

93A/12W

871

871

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Appendix

Illustrations
(IN POCKET)

LIZ CLAIMS - CARIBOO MINING DIVISION -

WORK CARRIED OUT SEPT. 9th-25th, 1966 INCLUSIVE

1. Line Cutting & Line Survey

24,200 feet of lines were cut out & surveyed on a grid system, covering most of the claims area, as shown on Figs. A & B. This grid system was used as a base for general reconnaissance, soil sampling and magnetic surveys. This report covers the latter two surveys.

An additional 7800 feet of lines were cut on contract.

2. Soil Sampling

371 soil samples were collected. Assay results were obtained for 360 samples. The samples were collected from shallow pits, using a shovel. They were collected at a depth of about 3 inches below the humus layer. The depth at which the samples were taken was thus normally, at around 8 inches from surface. Occasionally on the borders of swampy ground it was necessary to dig to about 18 inches. Sample locations and assay results are indicated on Figures A, B, C, D, E, and F.

10½ man-days were spent on this work, which was carried out by the undersigned - or a geologist or field assistant under his direct supervision.

The samples were assyed by Coast Eldridge, using a spectrographic method.

Reference to figures B & E show that a few anomalous copper values occur at scattered points. Only one very weak showing of malachite was noted however (see Fig. E) and this is not reflected in adjacent soil sample values.

3. <u>Magnetometer Survey</u>

This work was carried out as a preliminary survey to ascertain whether any marked variation in magnetic intensity occured along selected lines. A few areas were chosen for more detailed work. Magnetometer stations are indicated on Figures A, C, D, E, and F. Five days were spent on this work. The instrument used was a Sharpe Fluxgate Magnetometer, model MF 1R.

No spectacular magnetic highs were encountered. At 53N-11E (Fig. F) a reading of 14300 X was obtained; readings at adjoining stations on a 100 ft. grid range from 12350X to 12950X. Purple, andesitic, hematite-rich volcanics outcrop at the magnetic high.

Between 22N-17E and 22N-26E a band of somewhat higher-than-average magnetic values are encountered (Fig. C). These higher values may possibly be associated with a highly altered (?) intrusive (Fig. A). This rock is also encountered around 31N-18E and nearby is associated with slight malachite mineralization. However in this latter area (Fig. E) magnetic variation is inconspicuous.

At 23N-47E and 24N-46E some slightly higher magnetic values are encountered than in adjacent stations. No reason for this is apparent.

No relationship between magnetic values and copper content of soil samples is apparent.

DOMINION OF CANADA:
PROVINCE OF BRITISH COLUMBIA.
TO WIT:

In the Matter of LIZ GROUP
Cariboo Mining Division

I, J. B. Seaton

of 905-525 Seymour Street, Vancouver 2, B.C.

in the Province of British Columbia, do solemnly declare that

The following is a record of the time and/or expenditure on line cutting and soil & magnetic surveys:

Line Cutting & line survey

J. Seaton - geologist	- Sept.15-16	- 2 days	@ $35.	--	$70.00
J. Ariz - "	- " 9-14	- 5½ "	@ $30.	--	$165.00
" - "	- " 17	- 1 "	@ $30.	--	30.00
L. Deverreau-field assistant-	" 10-20	- 2 "	@ $20.	--	40.00
B. Wood - " "	- " 9-12	- 3½ "	@ $14.00-		49.00
G. Macdonald- " "	- " 13	- 1 "	@ $20.	--	20.00
L. Kaip - " "	- " 14-17	- 4 "	@ $20.	--	80.00
G. Murphy - " "	- " 19-20	- 2 "	@ $15.	--	30.00
					$484.00

B. Corrigan & crew - line cutting contract-July, 1966 --- 200.00

$684.00

Soil Sampling

J. Seaton - geologist	- Sept.17-20	- 3½ days	@ $35.	--	122.50
J. Ariz - "	- " 15-16	- 2 "	@ 30.	-	60.00
L. Deverreau - field assist.-	" 21@25	- 5 "	@ 20.	--	100.00

Magnetometer Survey

J. Seaton - geologist	- " 21-25	- 4½ "	@ $35.	-	157.50
J. Ariz - "	- " 18	- ½ "	@ 30.	-	15.00

General Supervision

J. Seaton - geologist - " 9-25 - say 2 days@35. - 70.00

Assays - 360 samples - assayed for Cu by spectographic method - as per Appendix 556.00

Grand Total $1765.00

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 20 day of December 1966, A.D.

M Beal

Hamilton SUB - MINING RECORDER

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

★o

APPENDIX

CABLE ADDRESS: "ELDRICO"
TELEX: 04-50353

COAST ELDRIDGE

ENGINEERS & CHEMISTS LTD.

125 EAST 4TH AVE., VANCOUVER 10, B.C. TELEPHONE: 876-4111

REPORT OF: Spectrographic Analysis

FILE NO A.3-N.3-66-30411

AT Vancouver Laboratory

DATE November 1, 1966

PROJECT: Soil Samples

REPORT NO.

REPORTED TO: New Jersey Zinc Exploration Co. Ltd.,
525 Seymour Street,
Vancouver B.C.

ORDER NO.

We have tested 360 samples of soil submitted by you on Sept. 30/66 and report as hereunder:

RESULTS: as per attached sheets.

Sample No.	Copper (PPM)
Z - 1	30
2	35
3	55
4	40
5	70
6	60
7	35
8	55
9	40
10	45
Z - 11	40
12	35
13	100
14	40
15	50
16	50
17	40
18	35
19	35
20	50
Z - 21	60
22	35
23	85
24	30
25	60
26	40
27	55
28	40
29	35
30	40
Z - 31	45
32	50
33	45
34	45
35	35
36	30
37	45
38	45
39	40
40	40
Z- 41	200
42	40
43	40
44	35
45	30
46	20
47	35
48	30
49	20
50	25
Z - 51	30
52	30
53	50
54	50
55	30
56	30
57	35
58	25
59	30
60	40

C O A S T E L D R I D G E

Allen Wong

W. Wong

Senior Chemist

/ds

Sample No.	Copper (PPM)	Sample No.	Copper (PPM)
Z - 61	20	Z - 91	10
62	30	92	15
63	30	93	10
64	40	94	10
65	30	95	10
66	35	96	10
67	30	97	10
68	40	98	10
69	20	99	10
70	20	100	10
Z - 71	25	Z - 101	20
72	25	102	20
73	30	103	15
74	150	104	20
75	30	105	25
76	20	106	15
77	30	107	25
78	20	108	10
79	20	109	10
80	100	110	10
Z - 81	30	Z - 111	10
82	15	112	10
83	15	113	15
84	15	114	15
85	10	115	10
86	10	116	10
87	10	117	10
88	35	118	10
89	10	119	10
90	10	120	10

C O A S T E L D R I D G E

W. Wong

Senior Chemist

/ds

Sample No.	Copper (PPM)
Z - 121	40
122	50
123	55
124	55
125	30
126	40
127	70
128	45
129	20
172	30
Z - 173	80
174	40
176	35
177	30
178	30
179	30
180	40
181	50
182	20
183	15
Z - 184	15
185	60
186	20
187	40
188	20
189	15
190	10
191	10
225	15
226	20

Sample No.	Copper (PPM)
Z - 227	25
228	20
229	15
230	15
231	10
232	15
233	15
234	25
235	10
236	35
Z - 237	25
238	15
239	15
240	10
242	15
243	10
244	15
245	15
246	15
247	15
Z - 248	15
249	15
251	10
253	15
254	20
256	15
257	10
258	15
259	15
260	20

COAST ELDRIDGE

Alan Wong

W. Wong

Senior Chemist

/ds

Sample No.	Copper (PPM)
Z - 162	30
163	25
165	15
166	20
167	20
168	35
193	25
194	15
195	20
196	20
Z - 197	25
188	20
199	15
200	20
201	15
202	25
203	40
204	25
205	65
206	30
Z - 207	15
208	15
209	15
210	15
211	20
212	20
213	15
215	25
216	15
217	20

Sample No.	Copper (PPM)
Z - 218	20
219	20
220	25
221	20
222	20
223	15
224	25
315	40
316	25
Z - 261	15
262 B	15
263	20
264	15
265	10
266	15
267	10
268	10
269	10
270	10
Z - 271	10
272	10
273	15
274	10
275	10
276	20
276 B	10
277 A	10
277 B	10
278	10

NOTE A number of samples were submitted with no identifying marks so we did not test them.

C [illegible] S [illegible] E L D R I D G E
Chris Wong
W. Wong

Senior Chemist

/ds

Sample No.	Copper (PPM)	Sample No.	Copper (PPM)
Z - 280	15	Z - 311 A	10
281	15	311 B	25
282	10	311 C	20
283	15	313	10
284	15	314	15
285	15	317	15
286	15	318	20
287	15	319	15
288	20	321	10
289	10	322	10
Z - 290	15	Z - 323	10
291	10	324	15
293	20	325	15
294	15	326	15
295	15	327	10
296	10	328	10
297	10	329	10
298	10	330	10
299	15	331	15
300	10	332	10
Z - 301	10	Z - 333	10
302	15	334	10
303	10	335	10
304	15	336	25
305	15	338	15
306	10	339	10
307	20	340	15
308	20	341	15
309	20	343	10
310	20	344	15

COAST ELDRIDGE

W. Wong

Senior Chemist

/ds

Sample No.	Copper (PPM)	Sample No.	Copper (PPM)
Z - 345 A	20	Z - 131	15
345 B	15	132	10
346	15	133	25
347	20	134	10
348	20	135	25
350	15	136	20
351 A	20	138	20
351 B	25	139	20
352	25	140	45
353	15	141	20
Z - 354	25	Z - 142	25
355	20	143	20
356	20	144	20
357	15	145	15
358	20	146	15
359	20	147	20
360	20	148	15
361	15	149	25
362	25	150	25
363	20	151	30
Z - 364	20	Z - 152	25
365	30	153	25
366	15	154	25
367	20	155	40
368	15	157	20
369	20	158	25
370	20	159	30
371	10	160	55
129	15	161	25
130	15	156	20
		160	40

COAST ELDRIDGE

Alan Wong

W. Wong
Senior Chemist

/ds

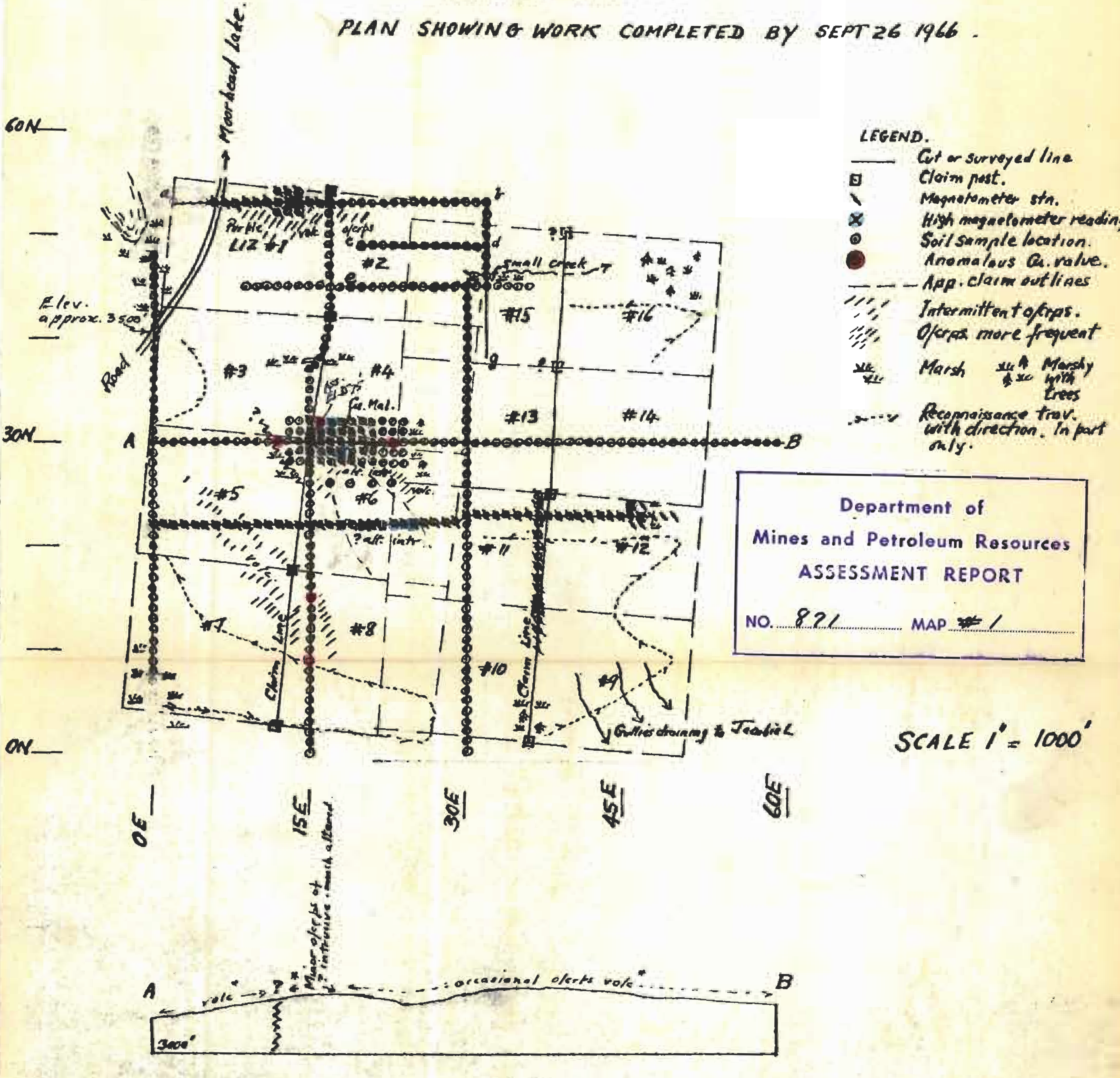
A.

A.

LIZ CLAIMS Nr. MOORHEAD AND JACOBIE LAKES.

CARIBOO MINING DIV.

PLAN SHOWING WORK COMPLETED BY SEPT 26 1966.



Department of Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 871 MAP #1

Note.

Lines ab, cd, ef, bg are picket lines, cut on contract & not surveyed: Sample & magnetometer stations on these lines are located by pacing only.

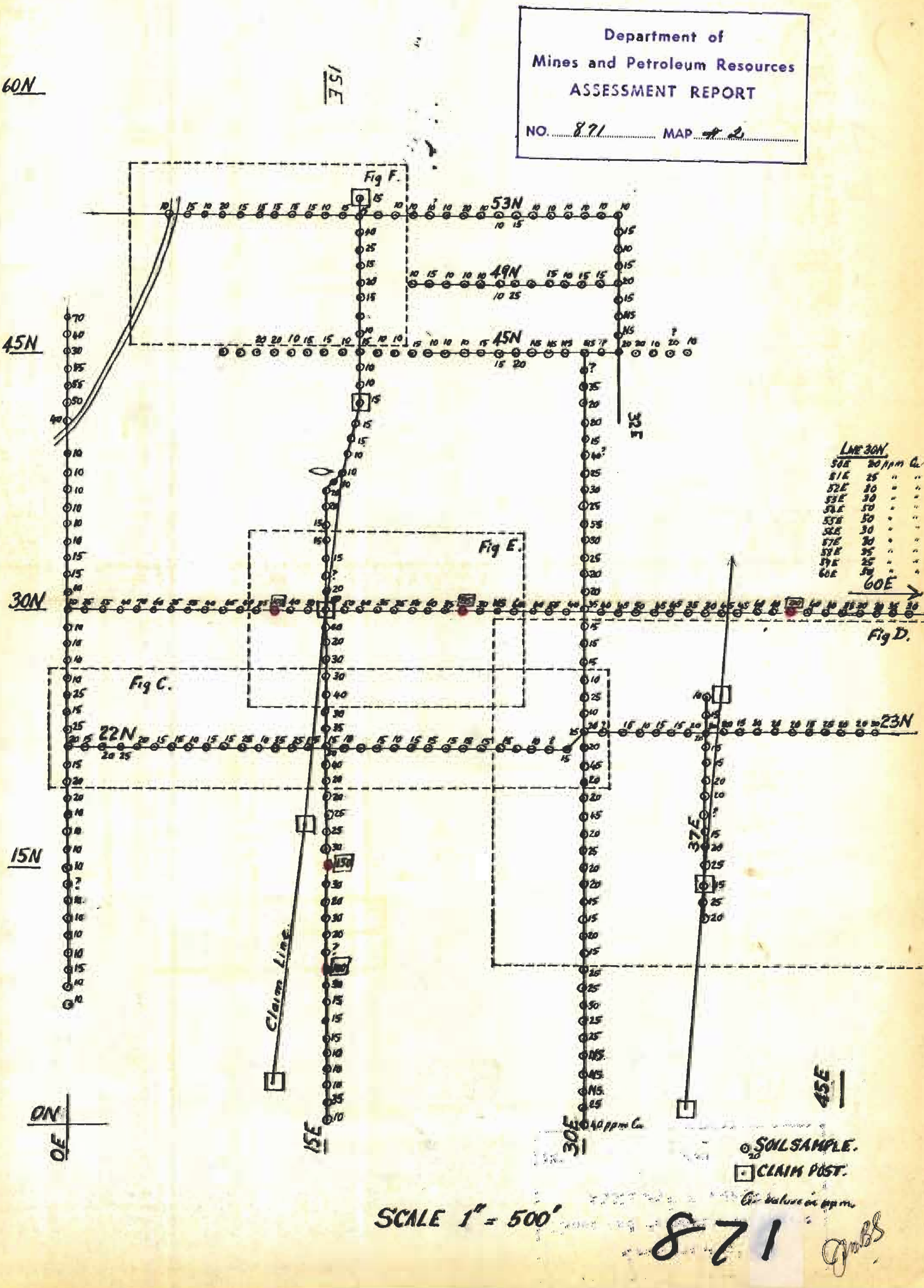
Claim posts, IP, FP, claims #15, 16, approximate positions only marked.

871

B. B.

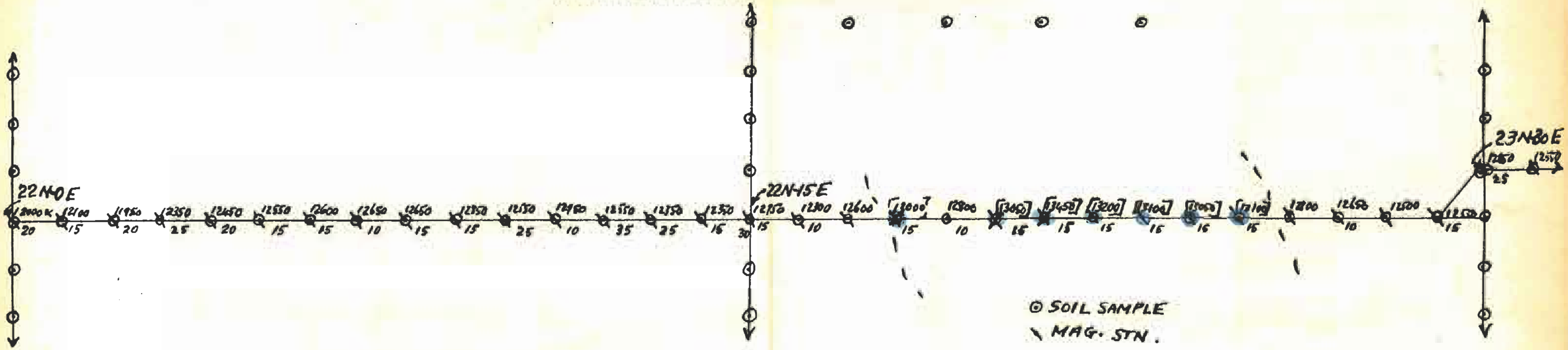
LIZ CLAIMS.

MAIN CUT & SURVEY LINES, SHOWING SOIL SAMPLE LOCATIONS.



LIZ CLAIMS
MAGNETOMETER AND SOIL SAMPLING.

C.



⊙ SOIL SAMPLE
\ MAG. STN.

SCALE 1" = 200'

Upper figures are corrected mag. readings.
Lower " " ppm Cu.

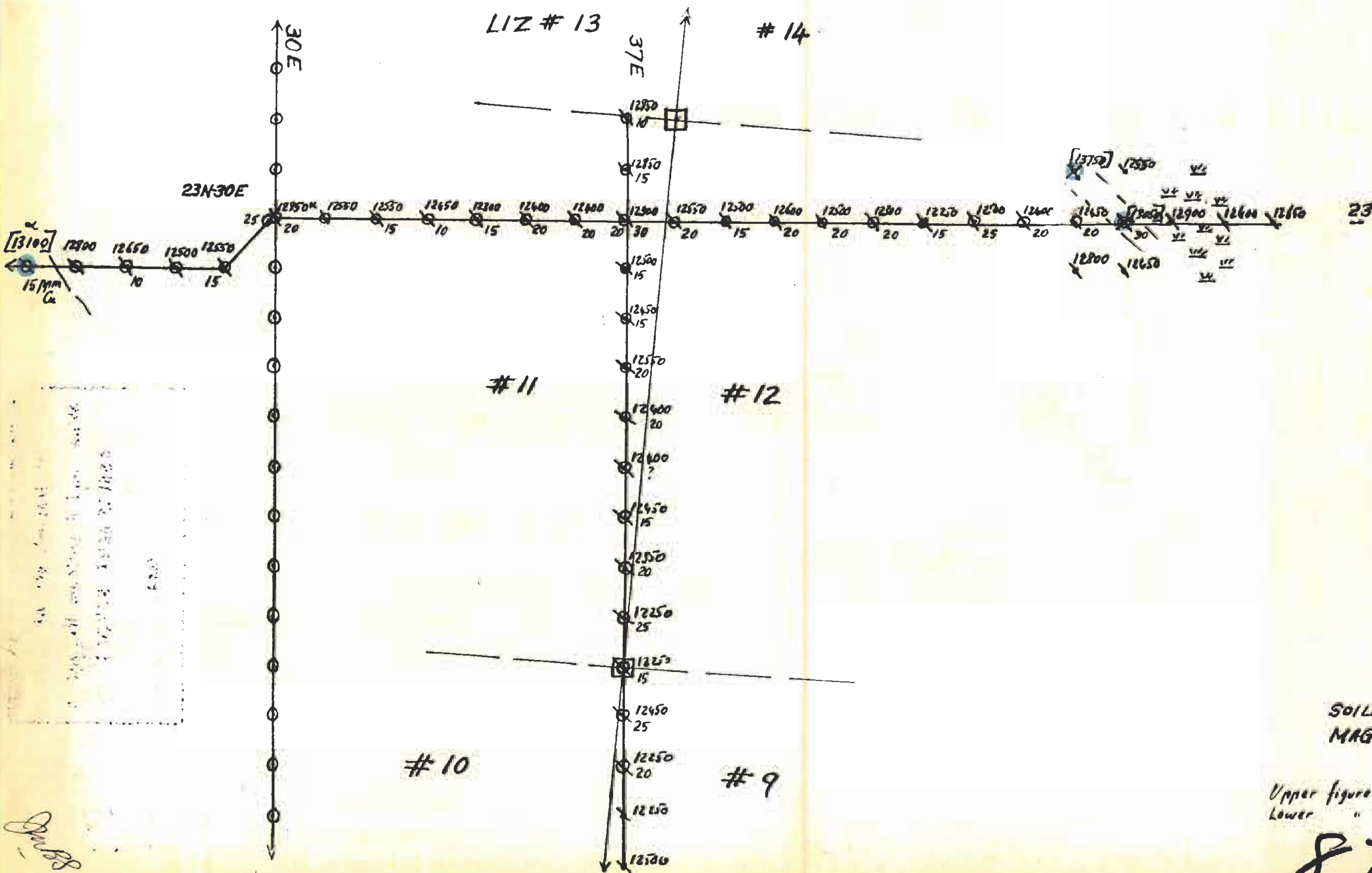
871

C.

LIZ CLAIMS
MAGNETOMETER & SOIL SAMPLING

SCALE 1" = 200'

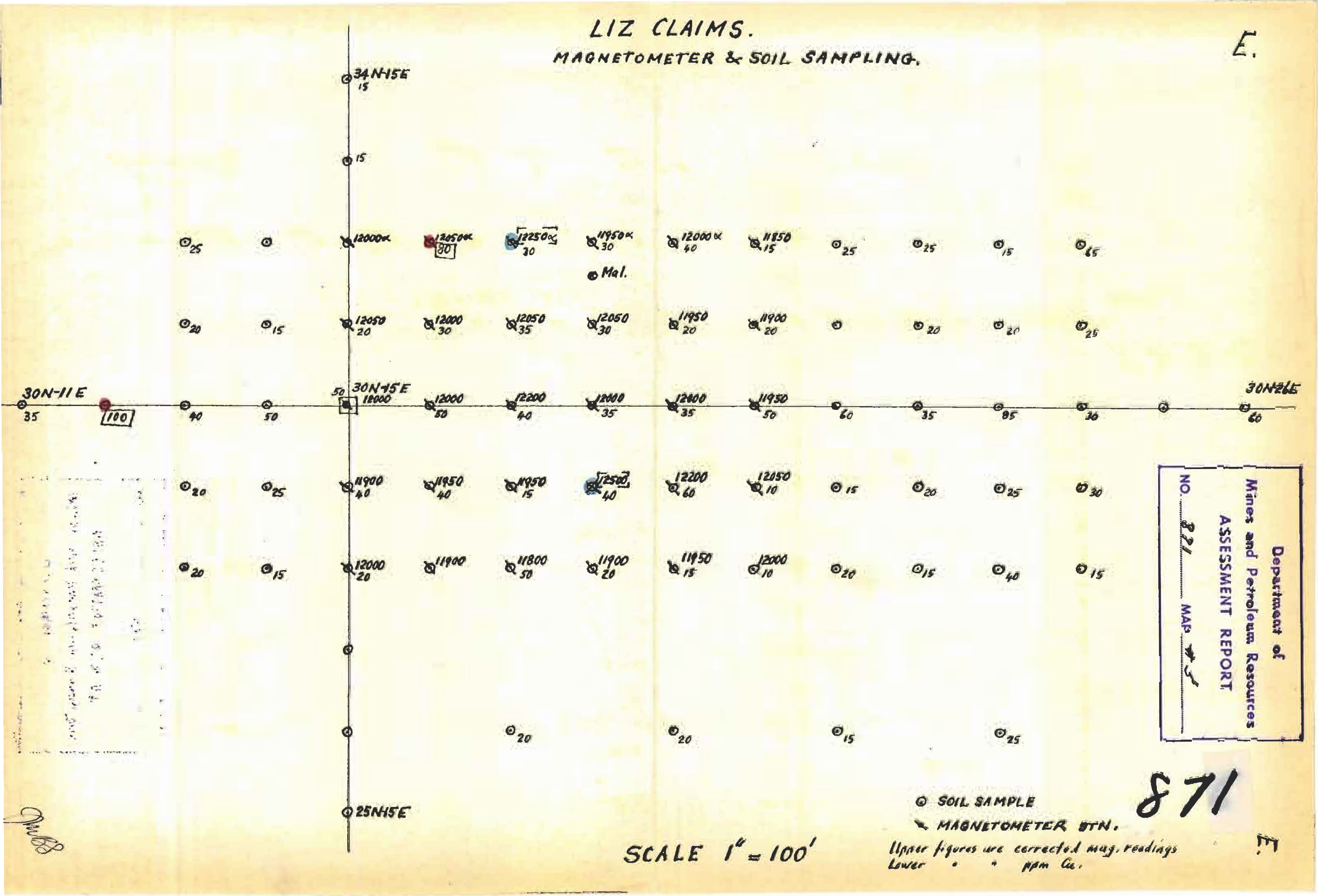
D

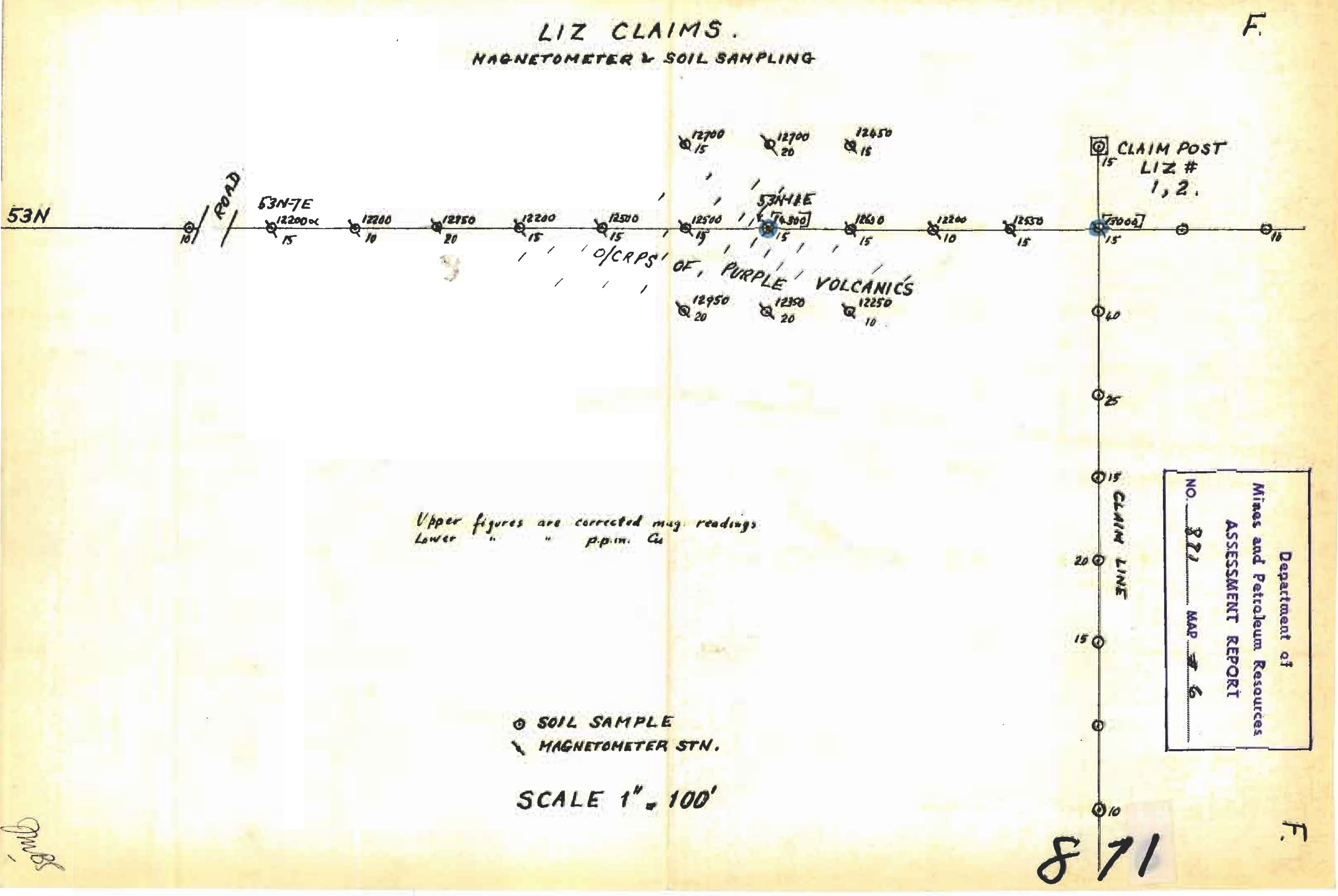


Upper figures are corrected mag. readings
Lower " " ppm Cu.

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 871 MAP # 4

871 D


LIZ CLAIMS.
MAGNETOMETER & SOIL SAMPLING.
E.
34N-15E
30N-11E
30N-15E
30N-26E
25N15E
Mal.
SOIL SAMPLE
MAGNETOMETER STN.
Upper figures are corrected mag. readings
Lower " " ppm Cu.
SCALE 1" = 100'
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 871 MAP #5
871


F.
LIZ CLAIMS.
MAGNETOMETER & SOIL SAMPLING
53N
ROAD
53N-7E
53N-12E
CLAIM POST
LIZ #
1, 2.
O/CRPS OF PURPLE VOLCANICS
CLAIM LINE
Upper figures are corrected mag. readings
Lower " " p.p.m. Cu
SOIL SAMPLE
MAGNETOMETER STN.
SCALE 1" = 100'
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 871 MAP # 6
F.
871