

SOIL GEOCHEMISTRY

PARROTT LAKES PROSPECT

IRK VII Claim (6 Units)
IRK VIII Claim (10 Units)
IRK IX Claim (2 Units)
IRK X Claim (6 Units)

LATITUDE 54°12' - LONGITUDE 126°38'

931/2E.

BY

R.E. GALE

15 August 1979

7381

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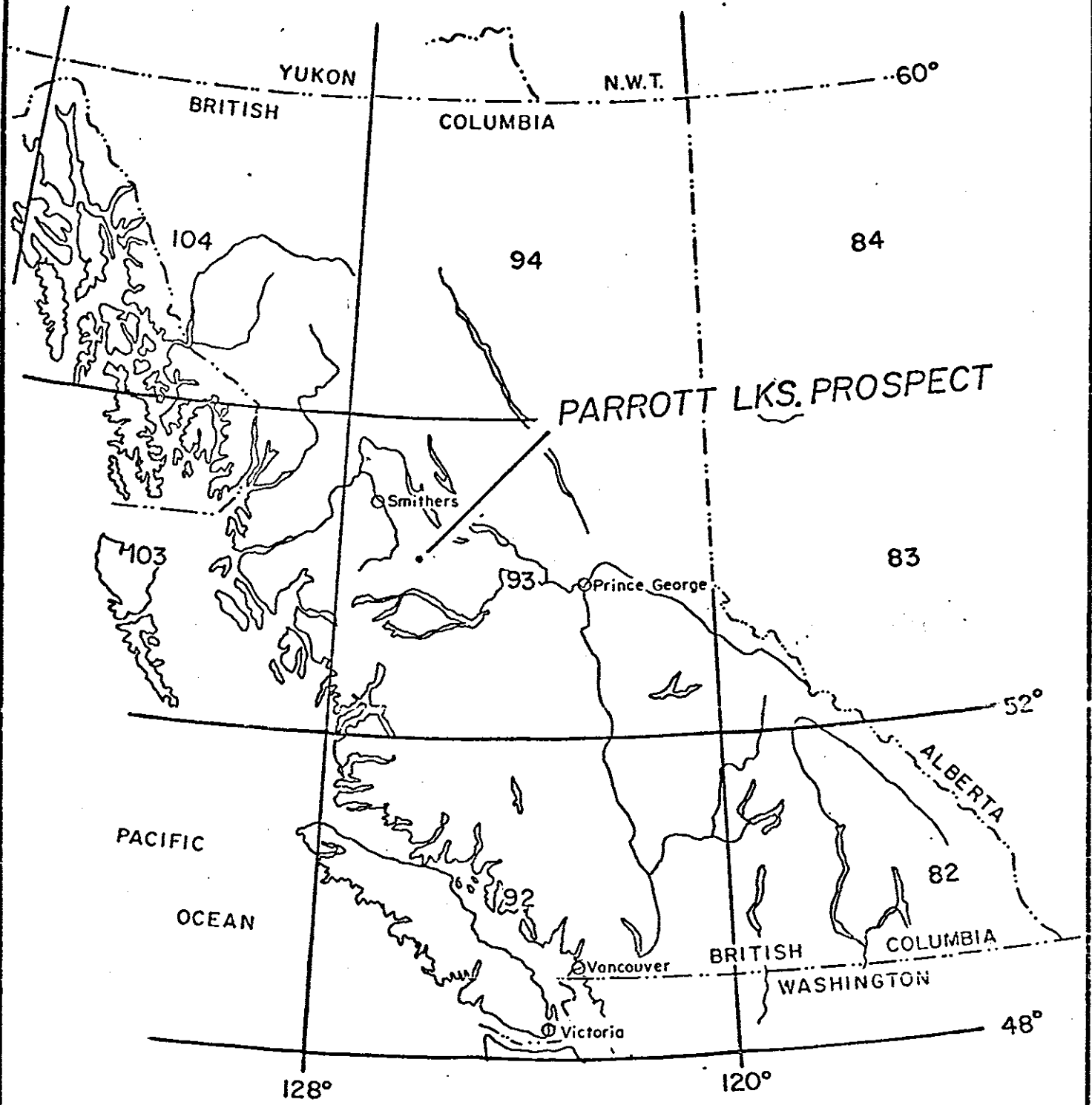
SUMMARY

Approximately 600 soil samples from IRK 7, 8, 9, and 10 claims near Parrott Lakes, B.C., were collected and analyzed for Cu, Pb, Zn and Ag during June and July 1979. This work served to delimit a large Zn-Pb-Ag anomaly, portions of which also occur on the IRK 1 through IRK 6 claims. If it is determined that the anomalies do not simply represent high background values in one type of volcanic rock outcropping on portions of the IRK claims, further work in the form of percussion drilling to find the source of the anomaly is warranted.

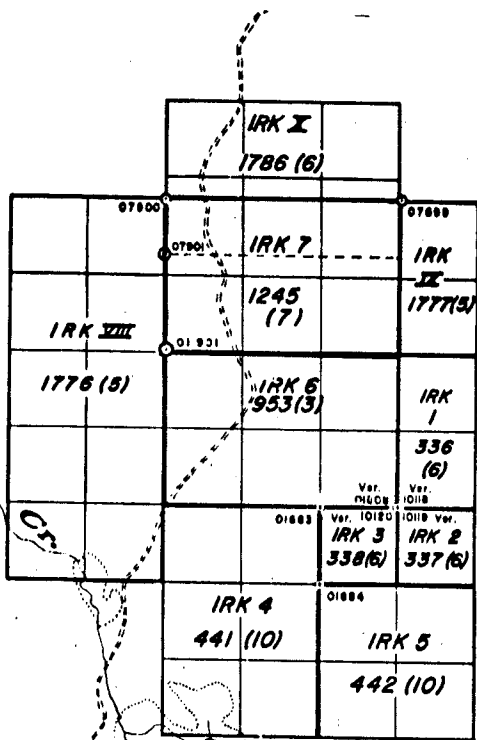
LOCATION AND ACCESS

The Parrott Lakes Prospect is located about 10 miles SE of Houston, B.C., near $54^{\circ}12'N - 126^{\circ}38'E$, in 93L/2E, Omineca Mining District.

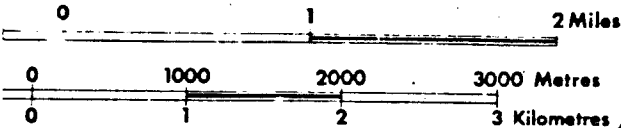
Elevations range from 2800' to 4200' above sea level, in an area of heavily forested, low-rounded hills.



ASARCO			Vancouver	
PARROTT LKS. PROSPECT				
LOCATION MAP				
Drawn by	Date	N.T.S.		Figure
REG	15 AUG 79	93L/2E		1



Parrott Cr.



hwy 16

HOUSTON

21.7 km (13.5 mi)
Buck Flats Rd.

IRK CLAIMS

Parrott Lakes

ASARCO		Vancouver	
PARROTT LKS. PROSPECT OMINECA M.D. CLAIM LOCATION MAP			
Drawn by	Date	N.T.S.	
REG	15 AUG 79	93L/2E	Fig. 2

CLAIMS

<u>CLAIM</u>	<u>UNITS</u>	<u>RECORD NO.</u>	<u>CLAIM GROUP</u>
IRK I	2	336) } } } } } } } }) PAR GROUP
IRK II	1	337	
IRK III	1	338	
IRK IV	6	441	
IRK V	4	442	
IRK VI	6	953) } } } } } } } }) PAR I GROUP
IRK VII	6	1245	
IRK VIII	10	1776	
IRK IX	2	1777	
IRK X	6	1786	

WORK DONE

Four men spent a total of 20-man days sampling the IRK VII, VIII and IX claims. An additional five-man days were spent soil sampling the IRK X claim.

Cost of carrying out the geochem surveys on IRK VII, VIII, IX and X claims is itemized in APPENDIX "A".

GEOLOGY

The reader is referred to an earlier report by D.G. MacIntyre on the IRK VI claim dated November 30, 1978, for a more complete description of regional geology of the Parrott Lakes area.

Outcrop is very sparse and practically the whole claim area is covered by glacial overburden. Direction of the last glacial flow is believed to have been from west to east.

Andesitic volcanic rocks, mainly tuffs, believed to be part of the Cretaceous Tip Top Formation, are exposed in a few small outcrops on IRK VI claim. A few small outcrops of pyritized, highly oxidized andesitic volcanic rocks, outcrop the northern part of IRK X. The age and correlation of the latter rocks cannot be confirmed.

GEOCHEMISTRY

A total of 480 samples were collected from the IRK VII, VIII and IX claims during May and June. Results on an additional 120 samples collected from IRK X claim at a later time in June, are included in this same report for the sake of completeness of data. All samples were taken from the "B" or "C" soil horizon.

Anomalous and background levels for the geochemical data were determined using probability plots as shown in Figures 3, 4, 5 and 6. Analytical results are given in APPENDIX "B" and plotted on maps included as Figures 7 through 18. (in pockets) Analytical procedures are summarized in APPENDIX "C".

CONCLUSIONS

Statistically, possible anomalous values for soils on the IRK VII, VIII, IX and X claims are considered to be as follows:

Cu	-	greater than	39 ppm
Pb	-	greater than	76 ppm
Zn	-	greater than	450 ppm
Ag	-	greater than	0.8 ppm

Definitely anomalous values are as follows:

Cu	-	greater than	60 ppm
Pb	-	greater than	100 ppm
Zn	-	greater than	550 ppm
Ag	-	greater than	1 ppm

The most important anomalous values for Pb and Ag appear to lie in the central part of IRK VII claim, and on the southern part of IRK X. Cu and Zn show scattered higher readings in the central part of IRK VII and south area of IRK X, but the most common higher Cu-Zn values occur in soils on IRK VI south of the area of the present survey. Some higher values for all four elements are noted on the west side of IRK VII and/or the east side of IRK VIII claim. Future exploration should be concentrated on the latter area and the central part of IRK VII - southern part of IRK X.



REG:sm

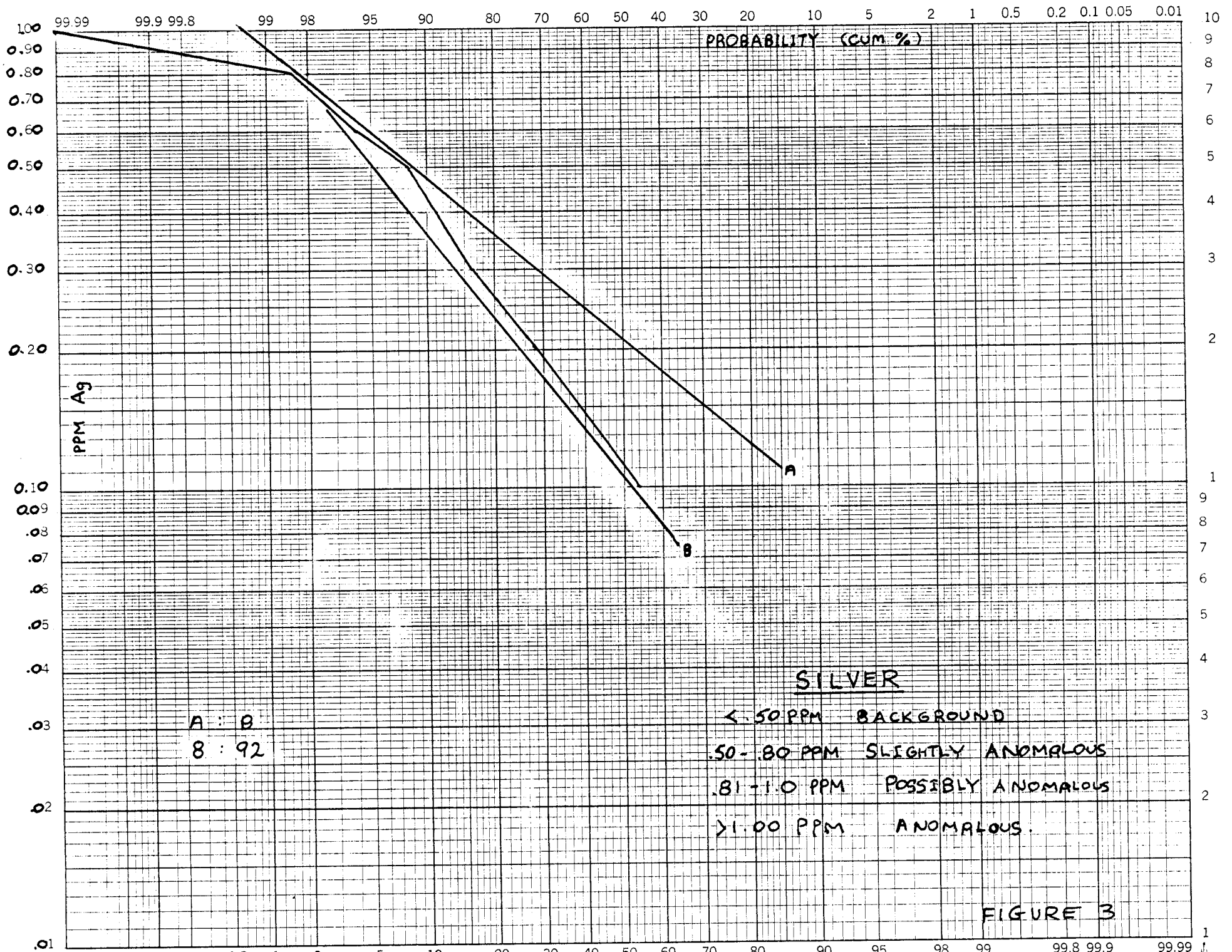
R.E. Gale.

REFERENCES

Church, B.N., 1970: B.C. Department of Mines and Petroleum Resources, GEM, 1970, pp. 119-125.

McIntyre, D.G., November 1978: Assessment Report- Soil Geochemistry - Parrott Lakes Prospect - IRK VI Claim.

Sinclair, A.J., 1974: Selection of Threshold Values in Geochemical Data using Probability Graphs; Journal Geochemical Exploration V.3, pp. 129-149.



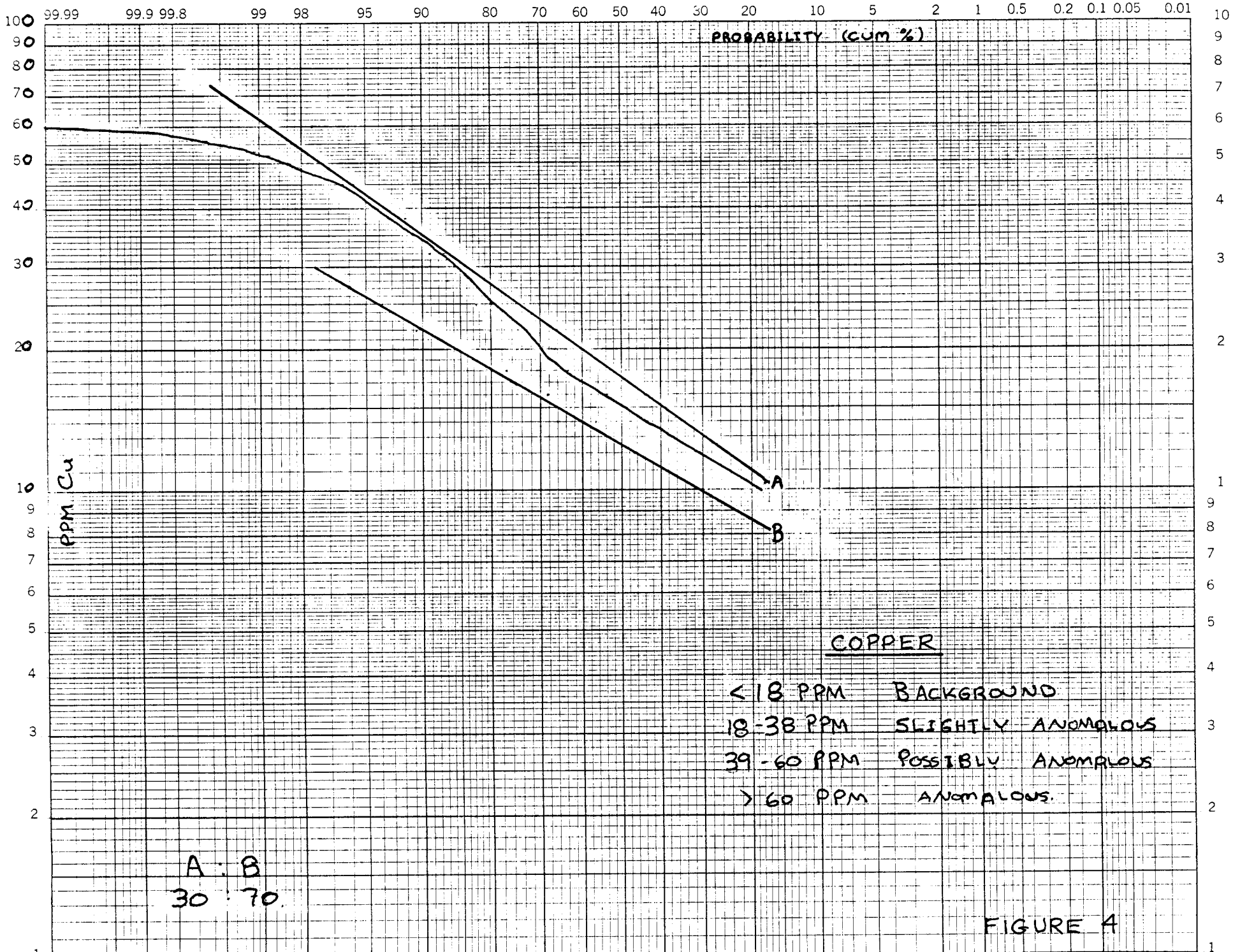
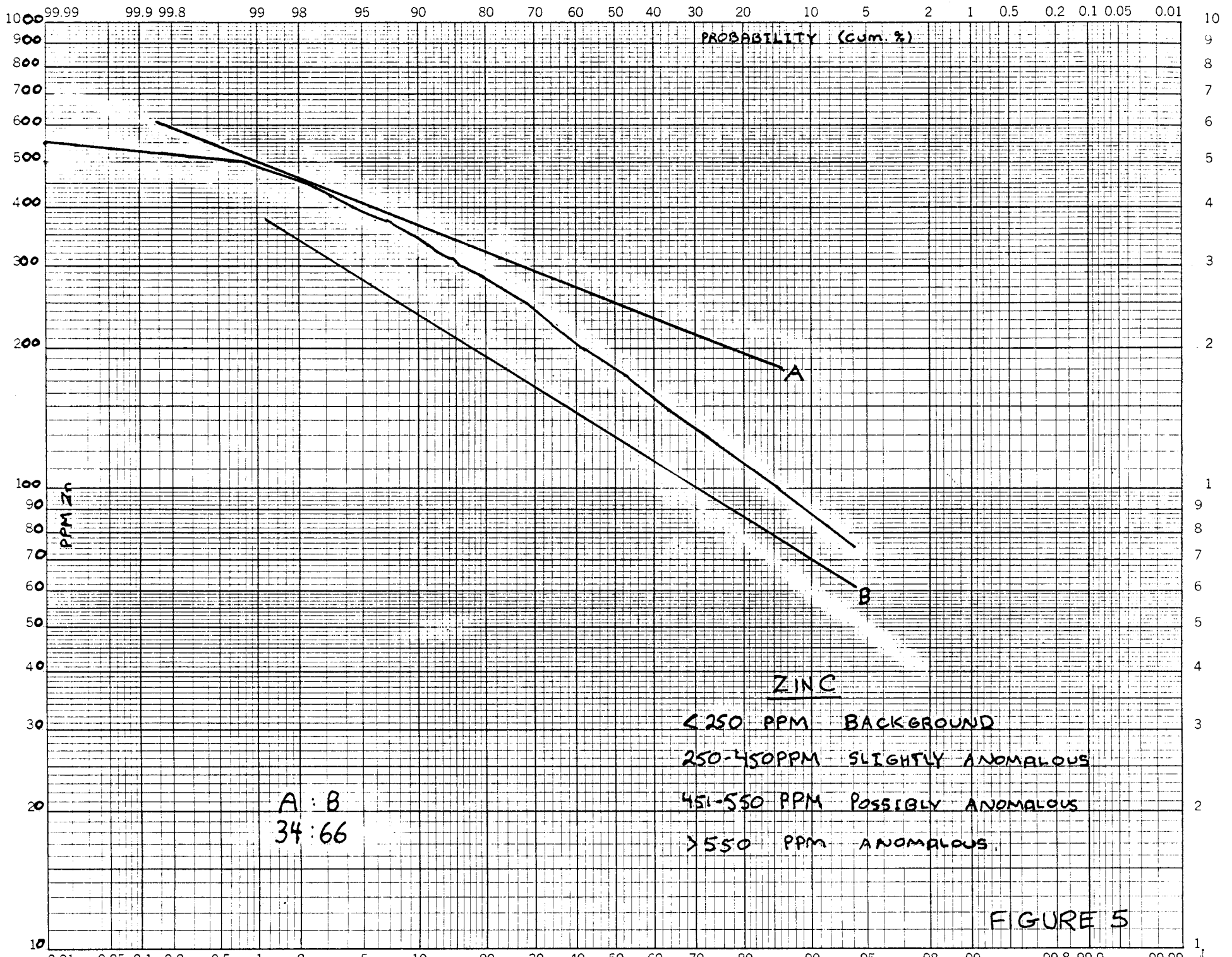


FIGURE A



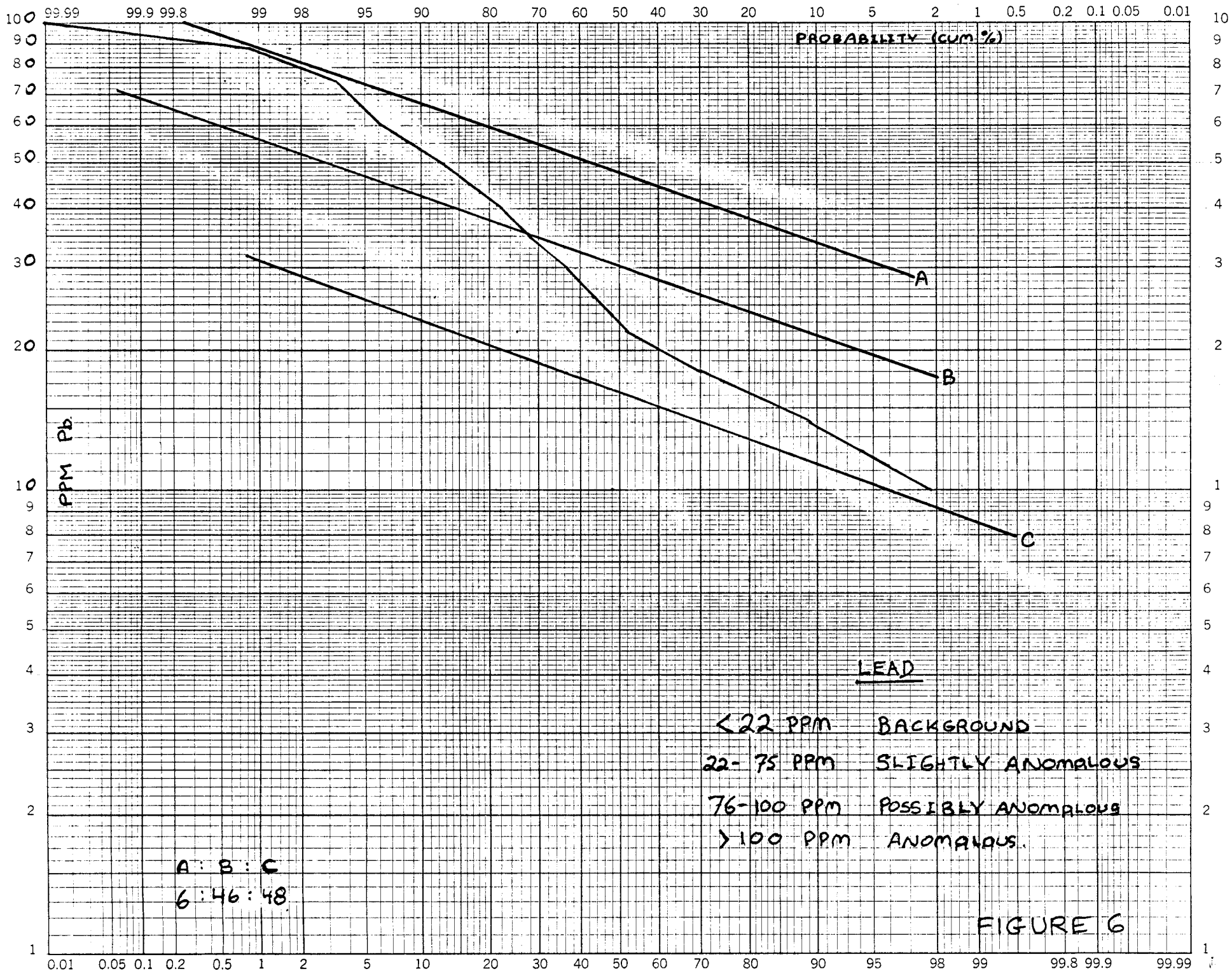


FIGURE 6

APPENDIX "A"

EXPENDITURES - PARROTT LAKES PROSPECT

IRK VII, VIII, IX CLAIMS

(20 Man Days)(May 25-May 28, 1979; June 16-June 20, 1979)

ACCOMMODATION AND MEALS @ \$ 20/man day		\$ 400.00
TRUCK RENTAL, GAS AND TRAVEL EXPENSE		350.00
ASSAYING		1,920.00
REPORT PREPARATION		
DRAFTING, PRINTIN, ETC.		
7 days @ \$50/day		350.00
WAGES		
M. Thicke	(6 days)	255.00
M. Maser	(4 days)	200.00
J. Collins	(4 days)	155.00
R. Watson	(4 days)	130.00
G. Stewart	(2 days)	40.00
		<u>\$ 3,800.00</u>

EXPENDITURES - PARROTT LAKES PROSPECT

IRK X CLAIM

(5 man days)(June 17-June 20/79)

ACCOMMODATION AND MEALS @ \$20/man day		\$ 100.00
TRUCK RENTAL, GAS AND TRAVEL EXPENSE		80.00
ASSAYING		300.00
WAGES		
M. Thicke	(2 days)	80.00
G. Stewart	(2 days)	40.00
		<u>\$ 600.00</u>

R.E. Gale

APPENDIX "B"

ASSAYS



To: American Smelting & Refining Co.,
504 - 535 Thurlow Street,
Vancouver, B. C. V6E 3L2

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone: 253 - 3158

File No. 0138

Type of Samples Soils

Disposition _____

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Cu	Pb	Zn	Ag						
MT-79 - 1	17	47	225	.2						1
2	19	94	250	.1						2
3	17	96	315	.1						3
4	12	130	420	.1						4
5	8	72	580	.1						5
6	12	255	485	.2						6
7	21	20	345	.2						7
8	16	31	870	.2						8
9	315	37	415	.2						9
10	33	31	270	.2						10
11	17	36	184	.2						11
12	23	43	162	.1						12
13	25	32	166	.3						13
14	Missing									14
15	Missing									15
16	31	45	160	.1						16
17	35	60	170	.1						17
18	33	50	152	.1						18
19	41	64	235	.2						19
20	42	76	265	.3						20
21	27	52	170	.2						21
22	42	45	186	.4						22
23	Missing									23
24	Missing									24
25	24	112	215	.2						25
26	22	84	162	.2						26
27	23	30	128	.3						27
28	15	45	166	.2						28
29	19	40	100	.1						29
30	20	56	295	.2						30
31	16	37	120	.1						31
32	19	21	112	.1						32
33	18	35	74	.1						33
34	10	17	122	.1						34
35	9	19	116	.2						35
36	10	18	118	.1						36
37	13	19	86	.2						37
38	12	14	82	.1						38
39	13	15	122	.1						39
MT - 79-40	12	13	120	.1						40

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DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED May 30, 1979

DATE REPORTS MAILED May 31, 1979

ASSAYER

Dean Toy
DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: American Smelting & Refining Co.,
504 - 535 Thurlow Street,
Vancouver, B. C. V6E 3L2

File No. 0138

Type of Samples Soils

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

2

SAMPLE No.	Cu	Pb	Zn	Ag							
MT-79 - 41	Missing										1
42	16	17	98	.2							2
43	11	16	150	.1							3
44	13	19	295	.2							4
45	14	16	62	.2							5
46	14	15	108	.1							6
47	13	16	106	.1							7
48	11	17	80	.2							8
49	7	15	72	.1							9
50	8	13	60	.1							10
51	17	25	205	.2							11
52	12	13	160	.1							12
53	8	12	130	.2							13
54	7	10	196	.1							14
55	15	18	154	.1							15
56	17	17	215	.1							16
57	11	10	90	.1							17
58	10	11	142	.1							18
59	6	7	54	.1							19
60	8	8	49	.1							20
61	30	30	134	.2							21
62	12	10	220	.2							22
63	19	21	154	.1							23
64	18	22	265	.3							24
65	19	26	200	.3							25
66	13	12	90	.1							26
67	16	17	148	.1							27
68	18	20	190	.2							28
69	16	16	170	.1							29
70	14	15	285	.2							30
71	15	18	190	.3							31
72	14	16	184	.2							32
73	19	18	178	.1							33
74	10	12	215	.1							34
75	12	15	160	.1							35
76	15	16	98	.1							36
77	12	14	104	.1							37
78	Missing										38
79	12	14	150	.1							39
MT-79 - 80	14	28	194	.1							40

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File No. 0138

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

3

SAMPLE No.	Cu	Pb	Zn	Ag							
MT-79 - 81	13	24	325	.2							1
82	16	17	270	.1							2
83	11	15	250	.1							3
84	7	13	186	.2							4
85	9	13	166	.1							5
86	16	20	154	.1							6
87	19	33	250	.2							7
88	14	18	172	.1							8
89	18	23	200	.1							9
90	13	16	106	.1							10
91	14	20	144	.1							11
92	19	23	156	.2							12
93	27	21	200	.3							13
94	60	32	325	.3							14
95	12	19	310	.2							15
96	12	21	350	.1							16
97	8	18	235	.1							17
98	12	20	108	.1							18
99	13	22	142	.2							19
100	18	49	365	.3							20
101	57	52	320	.6							21
102	15	20	130	.2							22
103	6	23	108	.1							23
104	15	25	330	.3							24
105	16	22	220	.1							25
106	14	19	128	.1							26
107	29	27	245	.2							27
108	15	19	250	.1							28
109	17	31	285	.1							29
110	16	24	172	.1							30
111	28	50	176	.2							31
112	40	41	365	.1							32
113	11	24	270	.2							33
114	13	27	122	.2							34
115	12	35	174	.1							35
116	21	40	150	.1							36
MT-79 - 117	22	68	205	.1							37
											38
											39
											40

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852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone:253 - 3158

File No. 0138

Type of Samples Soils

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Cu	Pb	Zn	Ag								
4 MT-79 - 118	10	24	190	.1								1
119	17	88	250	.2								2
120	9	19	148	.1								3
121	15	31	290	.1								4
122	28	43	245	.2								5
123	24	45	235	.7								6
124	25	32	225	.4								7
125	16	35	192	.3								8
126	16	34	166	.2								9
127	24	39	315	.4								10
128	25	29	230	.2								11
129	24	31	280	.3								12
130	25	28	194	.2								13
131	14	32	265	.2								14
132	25	29	260	.5								15
133	53	47	315	.5								16
134	15	27	166	.1								17
135	38	38	300	.7								18
136	16	44	215	.1								19
137	13	29	172	.1								20
138	14	64	280	.1								21
139	7	36	230	.1								22
140	17	58	295	.2								23
141	16	37	215	.1								24
142	18	41	200	.1								25
143	21	60	220	.3								26
144	39	60	340	.5								27
145	25	52	335	.1								28
146	15	47	240	.1								29
147	26	54	330	.2								30
148	21	40	300	.5								31
149	25	52	410	.1								32
150	42	40	325	.1								33
151	12	52	210	.4								34
152	36	62	580	.2								35
153	10	26	315	.1								36
154	21	39	310	.1								37
MT-79 - 155	19	64	285	.2								38
												39
												40

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Type of Samples Soils

Disposition _____

GEOCHEMICAL ASSAY CERTIFICATE

5

SAMPLE No.	Cu	Pb	Zn	Ag											
MT-79 - 156	32	72	610	.5											1
157	30	80	495	.2											2
157A	12	52	310	.1											3
158	19	62	270	.1											4
159	20	32	205	.2											5
160	17	35	255	.3											6
161	19	42	275	.4											7
162	20	58	380	.7											8
163	12	33	395	.8											9
164	10	33	215	.1											10
165	11	36	275	.1											11
166	17	50	310	.2											12
167	18	72	460	.5											13
168	14	52	260	.2											14
169	30	40	360	.3											15
170	24	24	220	.7											16
171	35	37	305	.7											17
172	15	41	320	.2											18
173	10	39	350	.1											19
174	9	35	255	.2											20
175	33	45	315	.3											21
176	14	25	144	.2											22
177	11	36	210	.2											23
178	13	37	142	.1											24
178A	9	33	174	.2											25
179	11	34	265	.1											26
180	9	38	235	.1											27
181	14	52	410	.1											28
182	13	33	190	.1											29
183	7	34	196	.1											30
184	8	28	180	.2											31
185	Missing														32
186	34	52	345	.4											33
187	11	34	265	.1											34
188	13	25	330	.1											35
189	14	24	210	.1											36
MT-79 - 190	16	38	205	.1											37
															38
															39
															40

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Vancouver, B. C. V6E 3L2

File No. 0138

Type of Samples Soils

Disposition _____

GEOCHEMICAL ASSAY CERTIFICATE

6

SAMPLE No.	Cu	Pb	Zn	Ag																	
MT-79 - 191	16	40	275	.3																	1
192	21	41	270	.2																	2
193	9	42	265	.2																	3
194	11	43	395	.3																	4
195	13	35	188	.1																	5
196	12	56	570	.4																	6
197	12	70	335	.1																	7
198	11	44	280	.1																	8
199	12	20	400	.2																	9
199A	13	32	320	.2																	10
MT-79 - 200	43	62	425	.4																	11
																					12
																					13
																					14
																					15
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																					40

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ASSAYER Dean Toy

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To:
American Smelting & Refining Co.
504 - 535 Thurlow St.
Vancouver, B.C.
V6E 3L2

File No. 0196

Type of Samples Soils

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

P. 1

SAMPLE No.	Cu	Pb	Zn	Ag								
MT-79-201	18	43	195	.4								1
202	72	84	505	1.3								2
203	56	57	455	1.1								3
204	38	55	575	.9								4
205	23	60	215	.1								5
206	17	49	285	.1								6
207	55	86	515	.3								7
208	26	60	325	.6								8
209	22	57	295	.3								9
210	21	34	205	.5								10
211	10	29	255	.4								11
212	12	38	335	.2								12
213	23	55	295	.4								13
214	13	35	195	.2								14
215	11	41	335	.7								15
216	52	80	895	6.9								16
217	32	40	260	1.0								17
218	22	41	385	.5								18
219	21	39	215	.5								19
220	18	42	195	.6								20
221	14	47	295	.5								21
222	15	48	172	.6								22
223	18	80	184	.8								23
224	No Sample											24
225	18	90	235	.1								25
226	14	24	184	.3								26
227	16	29	385	.3								27
228	14	21	84	.2								28
229	22	26	235	.2								29
230	25	17	112	.2								30
231	37	20	176	.6								31
232	46	22	174	.6								32
233	No Sample											33
234	20	19	280	.1								34
235	24	17	174	.2								35
236	30	18	88	.3								36
237	34	19	142	.2								37
MT-79-238	24	16	130	.3								38
												39
												40

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DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED June 22, 1979

DATE REPORTS MAILED June 26, 1979

ASSAYER *Dean Toye*

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: American Smelting & Refining Co.

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone: 253 - 3158

File No. 0196

Type of Samples Soils

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

P. 2

SAMPLE No.	Cu	Pb	Zn	Ag							
MT-79-239	18	21	168	.1							1
240	19	18	186	.2							2
241	34	23	192	.2							3
242	25	24	215	.4							4
243	37	25	112	.3							5
244	25	30	245	.2							6
245	28	19	92	.1							7
246	19	24	164	.1							8
247	15	17	186	.3							9
248	14	18	235	.2							10
249	24	16	114	.2							11
250	15	15	122	.2							12
251	46	25	375	.6							13
252	11	16	114	.2							14
253	12	19	122	.1							15
254	12	20	184	.2							16
255	13	15	176	.1							17
256	17	16	215	.2							18
257	15	13	108	.1							19
258	14	19	270	.1							20
259	9	10	88	.1							21
260	8	8	62	.1							22
261	19	17	184	.4							23
262	24	20	154	.2							24
263	34	19	146	.5							25
264	20	20	184	.3							26
265	24	22	178	.2							27
266	16	17	126	.2							28
267	28	16	210	.4							29
268	40	19	146	.2							30
269	29	18	192	.4							31
270	No Sample										32
271	19	16	72	.1							33
272	14	15	122	.1							34
273	19	14	104	.3							35
274	24	16	122	.1							36
275	23	15	134	.2							37
MT-79-276	27	16	210	.1							38
											39
											40

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To:

American Smelting & Refining Co.

File No. 0196

Type of Samples Soils

GEOCHEMICAL ASSAY CERTIFICATE

Disposition

SAMPLE No.	Cu	Pb	Zn	Ag							
MT-79-277	18	27	295	.1							1
278	17	17	134	.1							2
279	18	19	174	.1							3
280	13	15	92	.1							4
281	15	16	82	.1							5
282	14	20	154	.2							6
283	11	15	70	.1							7
284	10	22	168	.2							8
285	9	17	116	.1							9
286	18	29	112	.2							10
287	12	16	84	.1							11
288	16	21	154	.2							12
289	10	16	92	.1							13
290	38	28	440	.3							14
291	18	29	310	.3							15
292	11	16	132	.1							16
293	14	19	255	.4							17
294	18	20	192	.3							18
295	14	13	68	.1							19
296	18	23	148	.1							20
297	15	19	142	.1							21
298	27	22	132	.2							22
299	17	21	116	.1							23
300	16	17	84	.1							24
301	60	18	122	.6							25
302	19	20	90	.1							26
303	22	18	106	.3							27
304	19	13	100	.1							28
305	10	12	104	.1							29
306	13	13	78	.1							30
307	12	11	74	.1							31
308	18	14	102	.2							32
309	11	13	108	.1							33
310	13	15	100	.1							34
311	15	14	102	.2							35
312	13	13	104	.3							36
313	32	29	180	1.0							37
MT-79-314	27	20	200	.4							38
											39
											40

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To:

American Smelting & Refining Co.

File No. 0196

Type of Samples Soils

GEOCHEMICAL ASSAY CERTIFICATE

Disposition

SAMPLE No.	Cu	Pb	Zn	Ag								
MT-79-315	9	13	58	.2								1
316	20	50	340	.2								2
317	29	43	375	.3								3
318	45	35	360	.2								4
319	25	27	355	.2								5
320	18	32	540	.1								6
321	23	35	350	.2								7
322	15	29	440	.1								8
323	12	39	495	.1								9
324	15	27	440	.1								10
325	11	36	275	.6								11
326	14	31	310	.6								12
327	35	32	295	.8								13
328	23	25	215	.1								14
329	25	33	205	.3								15
330	23	35	174	.1								16
331	35	29	184	.3								17
332	23	31	142	.2								18
333	17	22	160	.1								19
334	14	19	265	.1								20
335	15	22	196	.1								21
336	24	21	164	.3								22
337	14	51	184	.3								23
338	No Sample											24
339	No Sample											25
340	10	45	90	.2								26
341	13	53	136	.3								27
342	37	102	455	.6								28
MT-79-343	15	94	355	.3								29
												30
												31
												32
												33
												34
												35
												36
												37
												38
												39
												40

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ASSAYER *Dean Toye*

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: American Smelting & Refining Co.,
504 - 535 Thurlow Street,
Vancouver, B. C. V6E 3L2

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone:253 - 3158

File No. 0138

Type of Samples Soils & Rock

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.		Cu	Pb	Zn	Ag							
MM-79 - 1		16	17	184	.1							1
R1	R	40	98	2000	.7							2
2		11	12	146	.1							3
R2	R	17	39	72	.4							4
3		23	20	390	.3							5
4		29	21	275	.4							6
5		64	26	380	1.0							7
6		19	22	190	.1							8
7		15	20	186	.1							9
8		16	21	98	.2							10
9		18	16	148	.3							11
10		16	16	166	.1							12
11		17	22	230	.2							13
12		22	23	235	.1							14
13		15	22	176	.1							15
14		36	36	255	.1							16
15		33	45	400	.1							17
16		34	44	465	.1							18
17		30	29	196	.2							19
18		35	21	192	.7							20
19		22	20	148	.3							21
20		19	18	124	.3							22
21		24	21	160	.4							23
22		14	20	152	.2							24
23		20	17	118	.2							25
24		16	15	106	.1							26
25		17	18	130	.1							27
26		11	14	112	.1							28
27		10	14	114	.1							29
28		11	12	68	.1							30
29		20	14	90	.3							31
30		14	14	130	.1							32
31		16	21	148	.6							33
32		13	21	128	.2							34
33		10	16	106	.1							35
34		16	15	62	.1							36
35		29	16	49	1.1	H.O.						37
MM-79 - 36		18	17	64	.3							38
												39
												40

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 DETERMINATION:.....

DATE SAMPLES RECEIVED May 30, 1979
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 ASSAYER Dean Toyé
 DEAN TOYE, B.Sc.
 CHIEF CHEMIST
 CERTIFIED B.C. ASSAYER



To: American Smelting & Refining Co.,
504 - 535 Thurlow St.,
Vancouver, B. C. V6E 3L2

File No. 0138

Type of Samples Soils

Disposition _____

GEOCHEMICAL ASSAY CERTIFICATE

8

SAMPLE No.	Cu	Pb	Zn	Ag						
MM-79 - 37	12	15	86	.1						1
38	58	23	108	.6						2
39	13	20	76	.1						3
40	11	17	78	.1						4
41	9	17	106	.1						5
42	13	21	74	.1						6
43	14	20	440	.1						7
44	13	22	300	.1						8
45	17	21	620	.1						9
46	60	25	390	.3						10
47	38	22	325	.3						11
48 (A)	9	7	42	.1		H.O.				12
48 (B)	6	3	49	.1		H.O.				13
49	Missing									14
50	13	16	96	.1						15
51	18	20	122	.1						16
52	15	19	120	.2						17
53	17	28	255	.4						18
54	25	25	280	.3						19
55	25	26	230	.1						20
56	35	56	570	.1						21
57	24	24	240	.1						22
58	43	23	350	.2						23
59	900	25	300	.6						24
60	310	23	320	1.0						25
61	58	22	265	1.2						26
62	38	22	210	.9						27
63	3	3	20	.1						28
64	12	14	94	.1						29
65	39	18	148	.2						30
66	12	15	128	.2						31
67	27	12	90	1.5		H.O.				32
68	17	15	102	.1						33
69	30	17	104	.2						34
70	29	15	128	.2						35
71	34	16	146	.4						36
72	16	19	186	.1						37
MM-79 - 73	12	14	108	.1						38
										39
										40

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To: American Smelting & Refining Co.,
504 - 535 Thurlow Street,
Vancouver, B. C. V6E 3L2

File No. 0138

Type of Samples Soils

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Cu	Pb	Zn	Ag						
MM-79 - 74	12	17	128	.1						1
75	17	19	86	.1						2
76	10	17	47	.1						3
77	27	16	60	.1						4
78	44	27	124	.6						5
79	16	21	158	.2						6
80	13	15	122	.1						7
81	17	13	98	.1						8
82	56	16	126	.6						9
83	20	14	120	.3						10
84	16	20	154	.3						11
85	15	49	215	.6						12
86	21	35	220	1.1						13
87	13	8	72	.5		H.O.				14
88	14	25	98	.2						15
89	20	24	80	.4						16
90	26	23	42	1.1		H.O.				17
91	29	164	365	1.7						18
92	41	110	285	2.0						19
93	70	56	205	.3						20
94	31	52	380	.4						21
95	37	50	520	.2						22
96	27	42	370	.3						23
97	31	48	405	.3						24
98	54	58	425	1.0						25
99	13	31	120	.1						26
100	15	47	138	.3						27
101	27	84	166	.3						28
102	18	52	142	.2						29
103	8	7	22	.1		H.O.				30
104	21	34	154	.2						31
105	53	31	465	.4		H.O.				32
106	86	38	415	.2						33
107	25	28	260	.2						34
108	12	27	290	.1						35
109	6	17	134	.1						36
MM-79 - 110	4	19	62	.1						37
										38
										39
										40

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To: American Smelting & Refining Co.,
504 - 535 Thurlow Street,
Vancouver, B. C. V6E 3L2

File No. 0138

Type of Samples Soils

Disposition _____

GEOCHEMICAL ASSAY CERTIFICATE

10

SAMPLE No.	^x Cu	Pb	Zn	Ag							
MM-79 - 111	8	24	178	.1							1
112	17	47	260	.5							2
113	19	34	360	.4							3
114	15	23	225	.1							4
115	16	21	148	.4							5
116	19	33	180	.6							6
117	11	7	44	.2	H.O.						7
118	33	58	178	.2							8
119	56	56	196	1.5							9
120	30	148	545	.2							10
121	14	43	210	.3							11
122	33	56	295	.7							12
123	32	52	280	.2							13
124	57	88	395	.5							14
125	27	84	325	.9							15
126	31	34	230	.2							16
127	21	35	164	.1							17
128	22	50	148	.1							18
129	19	54	335	.3							19
130	29	24	92	.2							20
131	38	62	230	1.4							21
132	34	74	270	1.5							22
133	21	78	186	.2							23
134	17	90	210	.6							24
135	50	13	132	.1							25
136	28	27	106	.6							26
137	26	19	100	.1							27
138	13	20	200	.3							28
139	17	19	196	.2							29
140	10	20	80	.1							30
141	6	22	72	.1							31
142	4	13	68	.1							32
143	9	19	118	.2							33
144	10	50	170	.1							34
145	8	82	114	.1							35
146	9	24	66	.1							36
147	13	27	96	.1							37
MM-79 - 148	45	49	235	.8							38
											39
											40

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Vancouver, B. C. V6E 3L2

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone:253 - 3158

File No. 0138

Type of Samples Soils

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

11

SAMPLE No.	Cu	Pb	Zn	Ag							
MM-79 - 149	11	23	300	.1							1
150	13	36	420	.1							2
151	15	33	255	.2							3
152	14	48	285	.3							4
153	11	23	126	.1							5
154	12	28	360	.1							6
155	13	34	295	.3							7
156	10	44	180	.1							8
157	12	21	126	.1							9
158	12	16	82	.1							10
159	9	16	60	.2							11
160	12	44	124	.1							12
161	10	20	70	.1							13
162	8	24	220	.5							14
163	7	16	156	.3							15
164	8	30	245	.5							16
165	94	41	300	.8							17
166	12	22	184	.2							18
167	36	19	110	.5	H.O.						19
168	7	13	138	.1							20
169	10	20	140	.2							21
170	9	15	88	.1							22
171	18	22	164	.3							23
172	11	17	96	.2							24
173	6	15	128	.1							25
174	13	20	170	.3							26
175	66	18	100	.8	H.O.						27
176	8	12	110	.1							28
177	17	17	118	.1							29
178	24	23	215	.4							30
179	10	15	146	.2							31
180	13	17	94	.1							32
181	7	13	88	.2							33
182	7	12	76	.2							34
183	34	23	205	.3							35
184	6	15	86	.1							36
185	8	16	98	.1							37
MM-79 - 186	9	15	128	.1							38
											39
											40

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To: American Smelting & Refining Co.,
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File No. 0138

Type of Samples Soils

Disposition _____

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Cu	Pb	Zn	Ag							
MM-79 - 187	52	16	285	.7						H.O.	1
188	8	14	138	.1							2
189	33	32	142	.3							3
190	58	19	270	.6							4
191	9	15	72	.1							5
192	11	20	146	.2							6
193	7	15	168	.2							7
194	9	16	114	.1							8
195	7	17	112	.1							9
196	11	13	90	.2							10
197	6	19	112	.2							11
198	2	12	40	.2							12
199	9	14	106	.1							13
200	50	27	215	.9							14
201	7	21	205 ^x	.3							15
202	7	22	150	.3							16
203	4	18	66	.1							17
204	23	31	275	.3							18
205	5	24	128	.2							19
206	5	13	136	.1							20
207	3	15	84	.1							21
208	9	17	142	.1							22
209	13	18	118	.2							23
210	11	12	120	.1							24
211	20	20	116	.1							25
212	11	14	235	.2							26
213	18	20	230	.1							27
214	15	19	184	.1							28
215	14	11	120	.1							29
216	10	14	198	.1							30
217	11	13	184	.1							31
218	13	22	168	.2							32
219	14	19	182	.2							33
220	7	17	128	.2							34
221	4	16	166	.1							35
222	8	20	158	.2							36
223	8	14	106	.2							37
MM-79 - 224	17	25	240	.1							38
											39
											40

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To: American Smelting & Refining Co.,
504 - 535 Thurlow Street,
Vancouver, B. C. V6E 3L2

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone:253 - 3158

File No. 0138

Type of Samples Soils

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

13

SAMPLE No.	Cu	Pb	Zn	Ag							
MM-79 - 225	17	22	176	.4							1
226	14	33	205	.1							2
227	43	42	170	.1							3
228	6	25	134	.1							4
229	7	18	174	.1							5
230	9	17	80	.1							6
231	11	38	140	.1							7
232	12	28	148	.1							8
233	12	17	205	.1							9
234	6	16	172	.1							10
235	6	16	118	.1							11
236	7	20	245	.1							12
237	8	25	200	.4							13
238	39	88	250	.1							14
239	17	50	360	.1							15
240	52	86	720	1.3							16
241	24	50	265	.5							17
242	42	68	320	.6							18
243	36	74	385	.3							19
244	17	47	200	.1							20
245	14	31	295	.1							21
246	29	46	260	.6							22
247	13	40	245	.4							23
248	39	52	400	.3							24
249	10	40	375	.2							25
250	18	45	200	.3							26
251	15	52	420	.6							27
252	13	47	300	.1							28
253	19	66	255	.1							29
254	10	29	170	.1							30
255	13	29	184	.1							31
256	28	45	265	.1							32
257	16	39	215	.1							33
258	10	25	230	.3							34
259	12	35	225	.2							35
260	7	24	265	.2							36
261	8	28	215	.1							37
MM-79 - 262	7	27	150	.1							38
											39
											40

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DETERMINATION:.....

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ASSAYER

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: American Smelting & Refining Co.,
504 - 535 Thurlow Street,
Vancouver, B. C. V6E 3L2

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone: 253 - 3158

File No. 0138

Type of Samples Soils & Rocks

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.		Cu	Pb	Zn	Ag																
14	MM-79 - 263	8	45	220	.1																1
	264	7	27	142	.1																2
	265	7	38	290	.1																3
	266	8	21	128	.1																4
	MM-79 - 267	11	42	146	.1																5
																					6
	10N - 25W	R	3	18	24	.1															7
	12N - 22+50W	R	4	17	29	.1															8
	14N - 24W	R	2	18	32	.1															9
	20N - 25W	R	9	11	54	.1															10
																					11
																					12
																					13
																					14
																					15
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																					35
																					36
																					37
																					38
																					39
																					40

All reports are the confidential property of clients
All results are in PPM.
DIGESTION:.....
DETERMINATION:.....

DATE SAMPLES RECEIVED May 30, 1979
DATE REPORTS MAILED May 31, 1979
ASSAYER Dean Toy

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

APPENDIX "C"

ANALYTICAL PROCEDURES

Geochemical Analysis of Mo, Cu, Pb, Zn, Ag*, Ni, Co, Mn, Bi*, V, Fe, Cd*, & Sb*

Sample preparation

Soil samples are dried at 75°C and sieved to -80 mesh.

Rock samples are ground to -100 mesh.

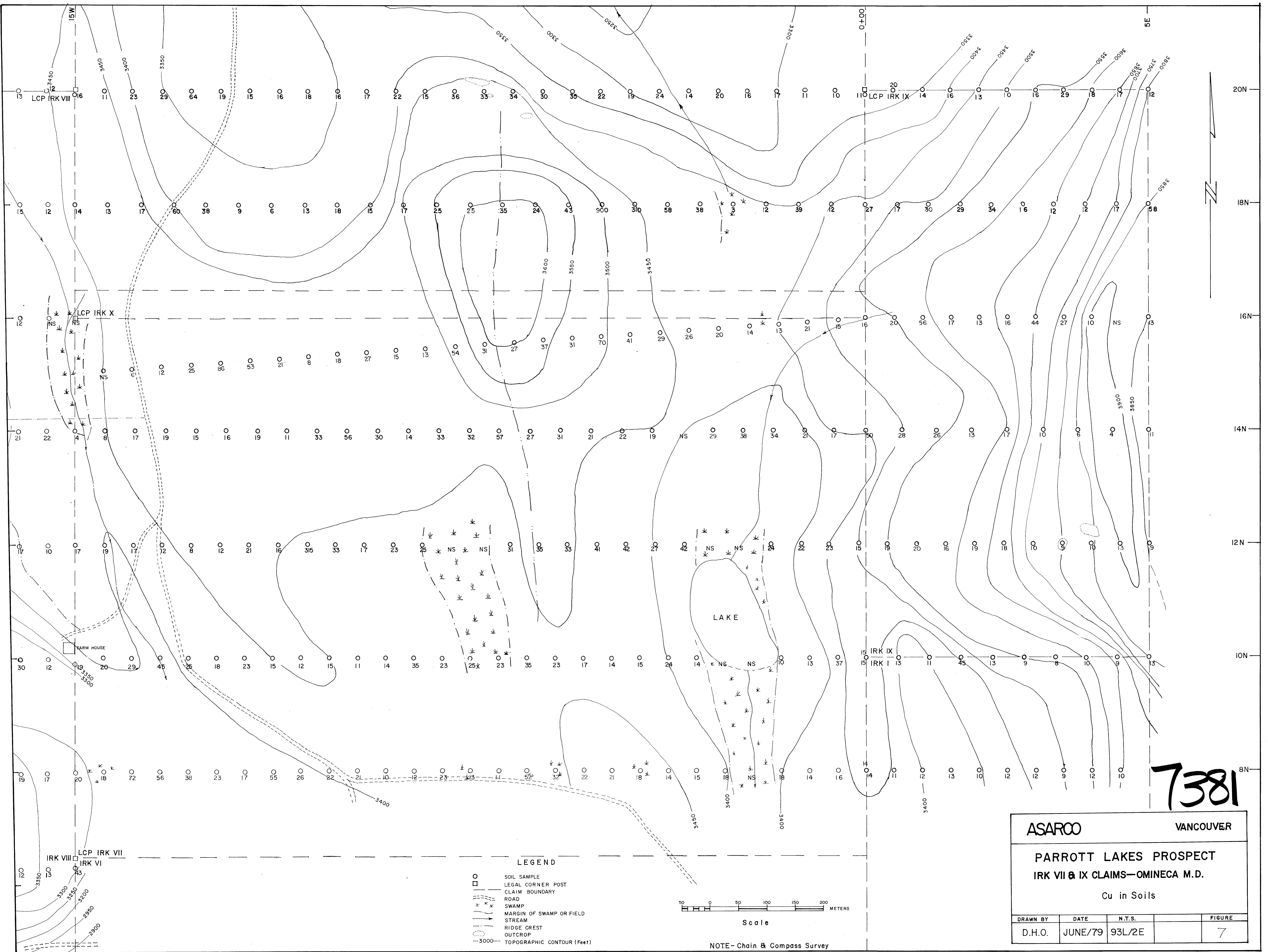
Digestion

A .50 gram sample is digested with dilute aqua regia in boiling water bath and diluted to 10 mls with demineralized water.

Determination

All the above elements are determined by Atomic Absorption from the solution.

* With background correction.



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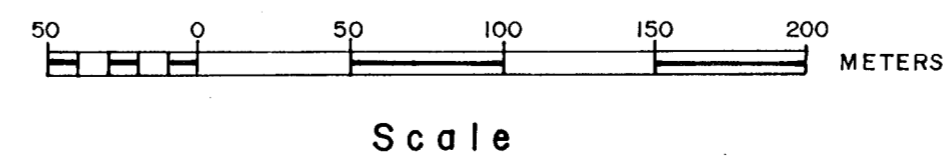
ASARCO VANCOUVER

PARROTT LAKES PROSPECT
IRK VII & IX CLAIMS—OMINECA M.D.

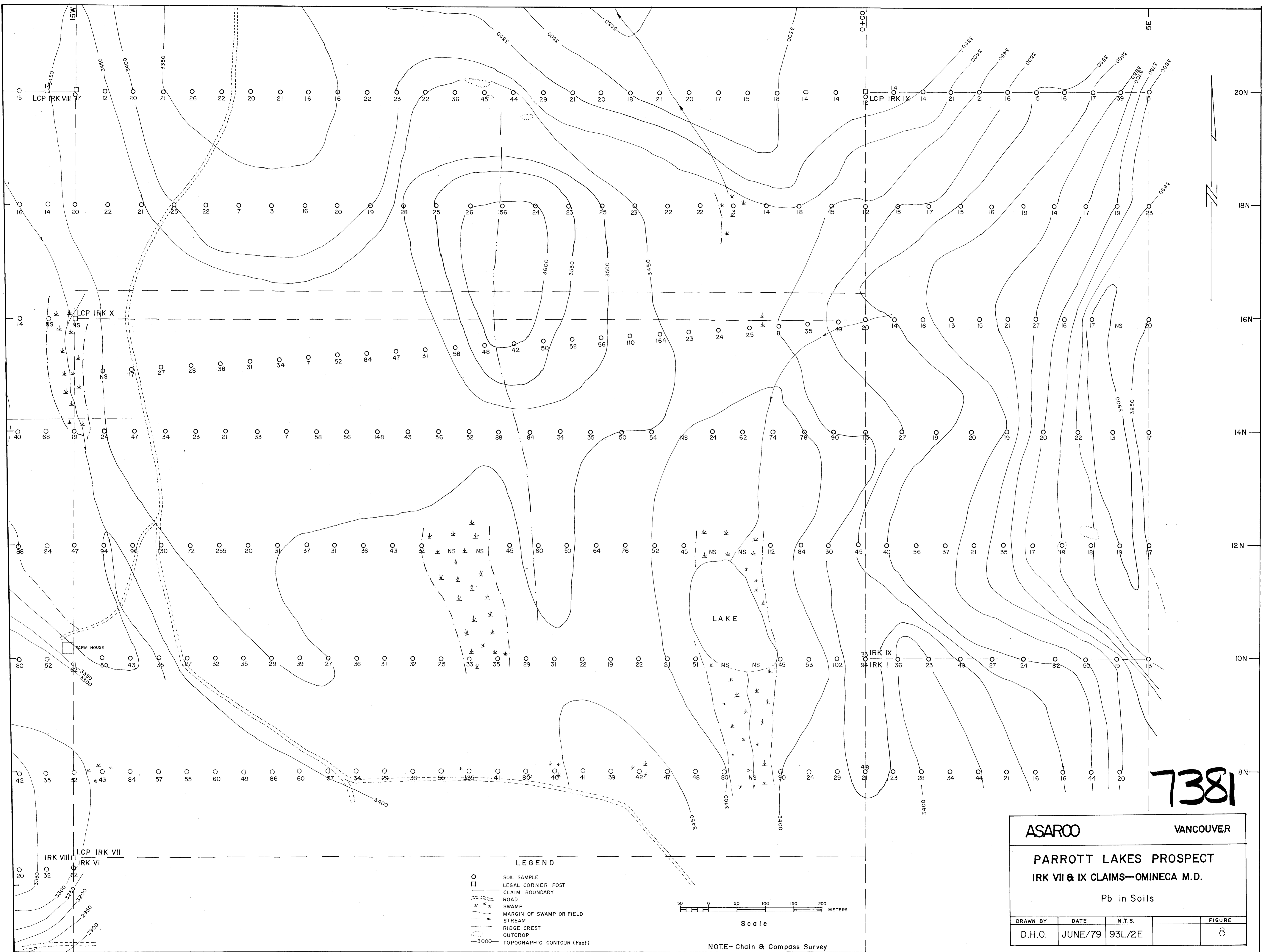
Cu in Soils

DRAWN BY	DATE	N.T.S.	FIGURE
D.H.O.	JUNE/79	93L/2E	7

- LEGEND
- SOIL SAMPLE
 - LEGAL CORNER POST
 - - - CLAIM BOUNDARY
 - ROAD
 - ~ SWAMP
 - MARGIN OF SWAMP OR FIELD
 - STREAM
 - RIDGE CREST
 - OUTCROP
 - - - 3000 TOPOGRAPHIC CONTOUR (Feet)

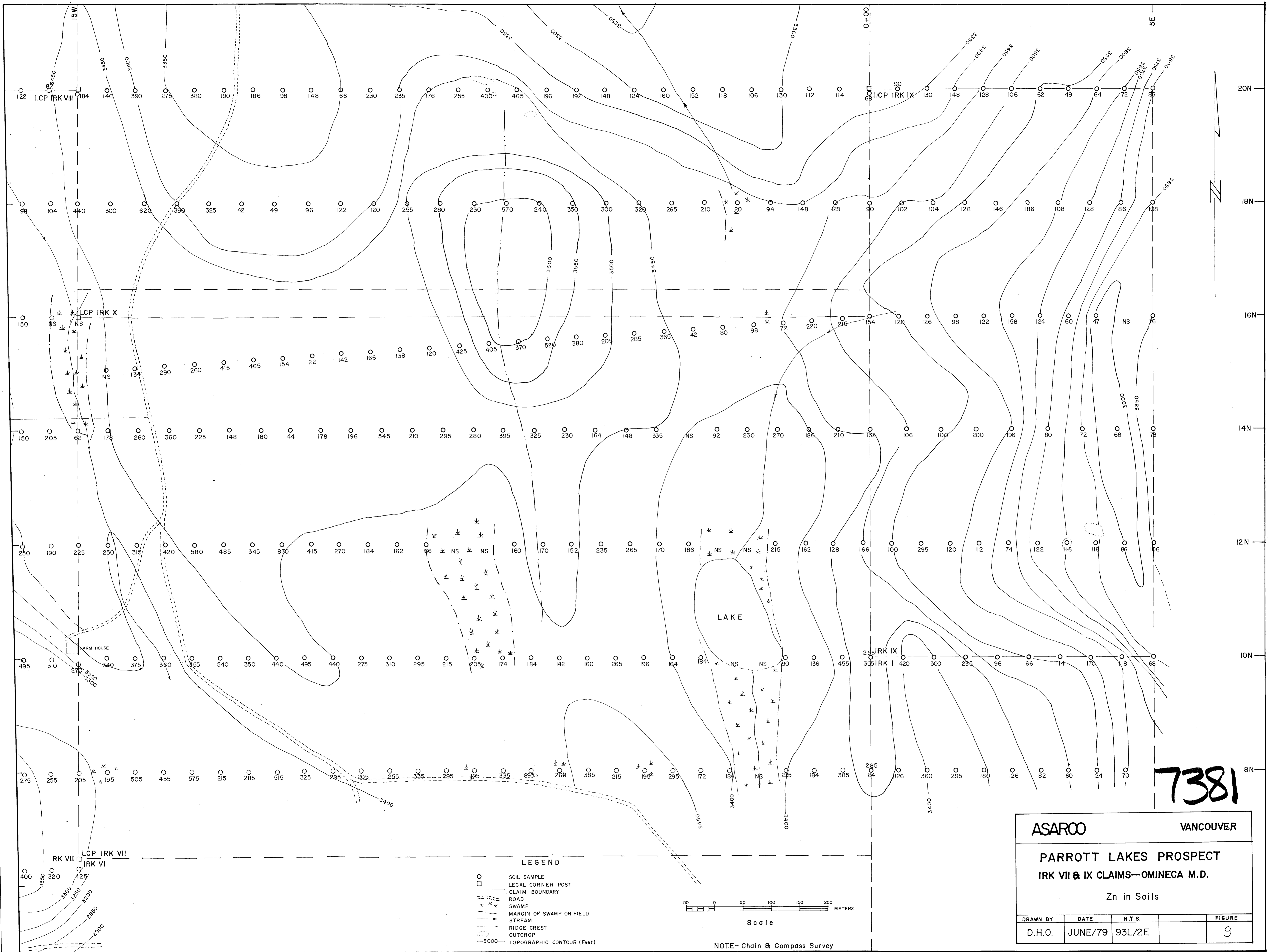


NOTE—Chain & Compass Survey



ASARCO		VANCOUVER	
PARROTT LAKES PROSPECT IRK VII & IX CLAIMS—OMINECA M.D.			
Pb in Soils			
DRAWN BY	DATE	N.T.S.	FIGURE
D.H.O.	JUNE/79	93L/2E	8

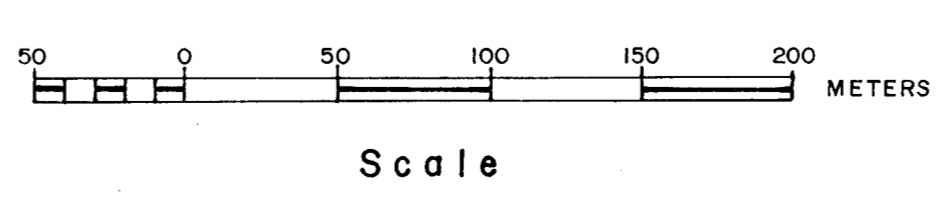
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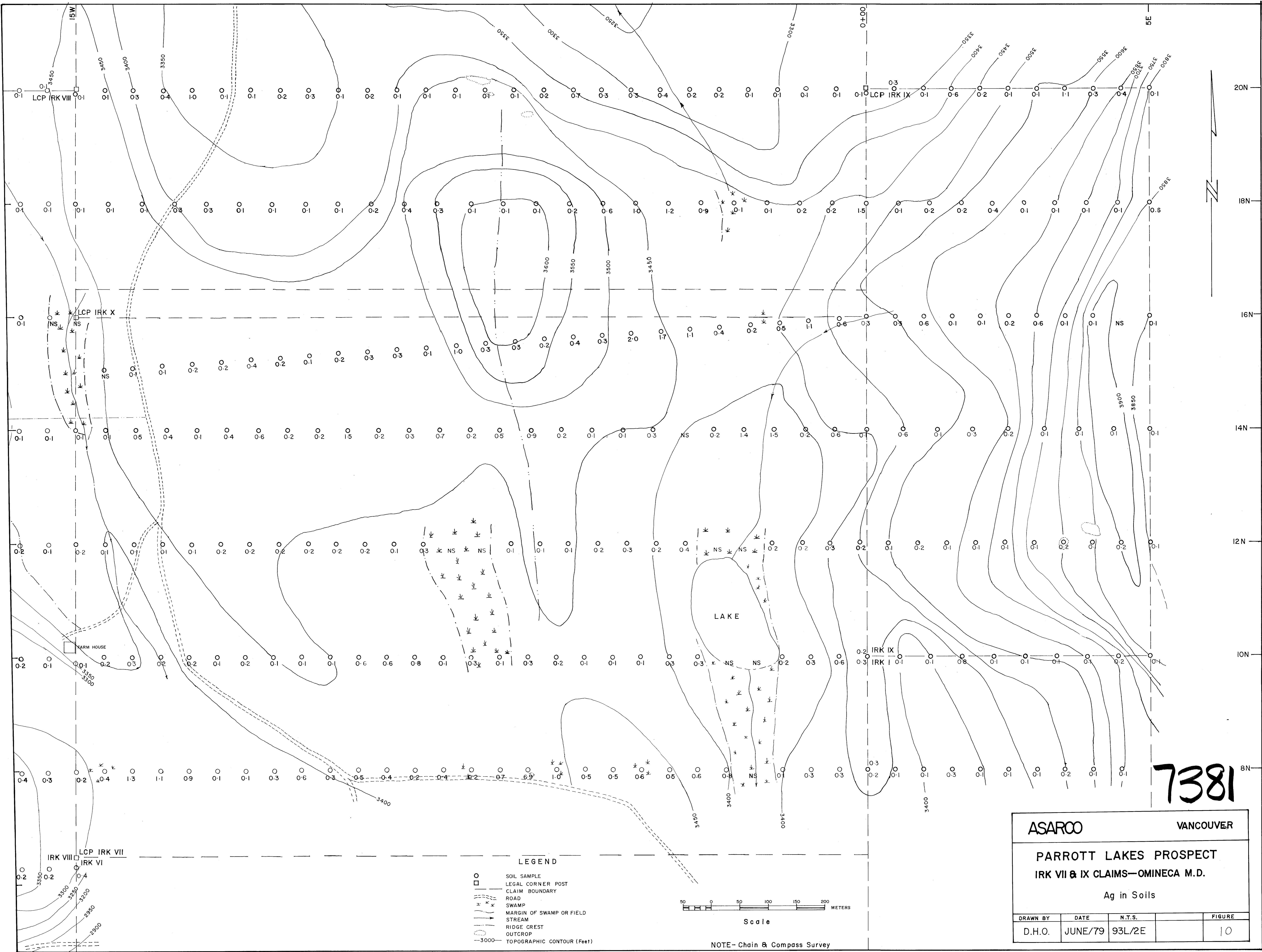
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ASARCO		VANCOUVER	
PARROTT LAKES PROSPECT IRK VII & IX CLAIMS—OMINECA M.D. Zn in Soils			
DRAWN BY	DATE	N.T.S.	FIGURE
D.H.O.	JUNE/79	93L/2E	9

- LEGEND**
- SOIL SAMPLE
 - LEGAL CORNER POST
 - CLAIM BOUNDARY
 - ROAD
 - SWAMP
 - MARGIN OF SWAMP OR FIELD
 - STREAM
 - RIDGE CREST
 - OUTCROP
 - 3000— TOPOGRAPHIC CONTOUR (Feet)



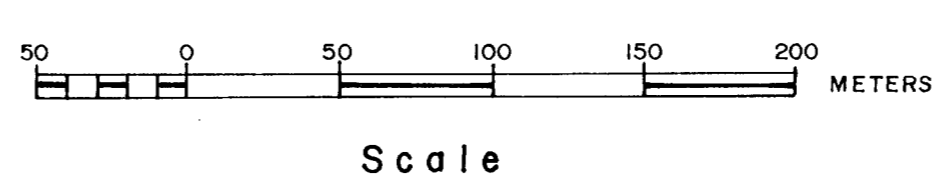
NOTE—Chain & Compass Survey



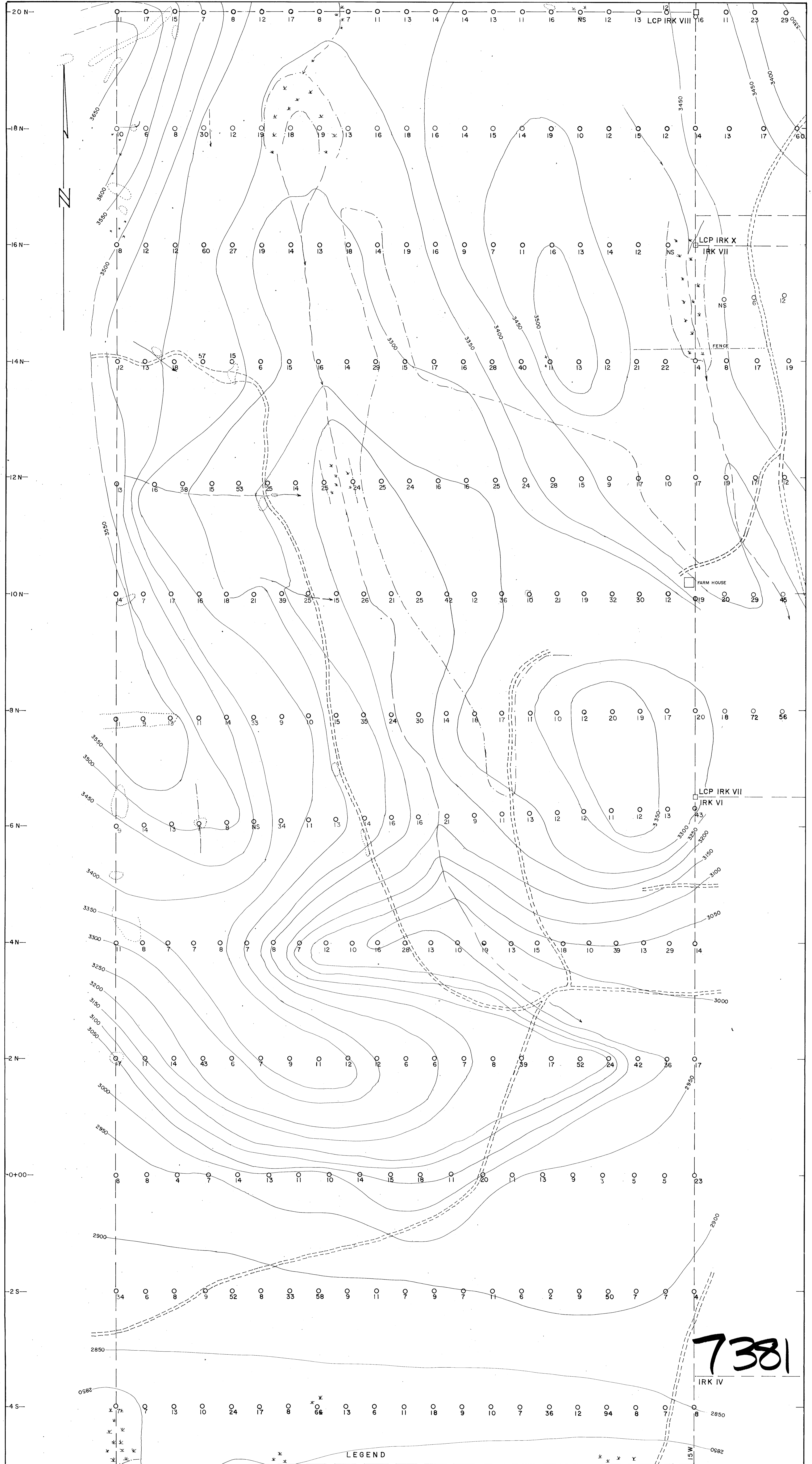
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ASARCO		VANCOUVER	
PARROTT LAKES PROSPECT IRK VII & IX CLAIMS—OMINECA M.D.			
Ag in Soils			
DRAWN BY	DATE	N.T.S.	FIGURE
D.H.O.	JUNE/79	93L/2E	10

- LEGEND**
- SOIL SAMPLE
 - LEGAL CORNER POST
 - CLAIM BOUNDARY
 - ROAD
 - SWAMP
 - MARGIN OF SWAMP OR FIELD
 - STREAM
 - RIDGE CREST
 - OUTCROP
 - 3000--- TOPOGRAPHIC CONTOUR (Feet)

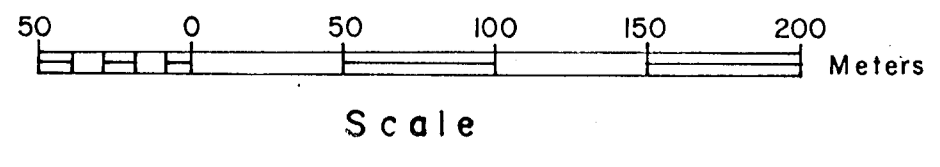


NOTE—Chain & Compass Survey



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- LEGEND**
- SOIL SAMPLE
 - LEGAL CORNER POST
 - CLAIM BOUNDARY
 - ROAD
 - SWAMP
 - MARGIN OF SWAMP OR FIELD
 - STREAM
 - RIDGE CREST
 - * OUTCROP, FLOAT
 - 3000 TOPOGRAPHIC CONTOUR (Feet)

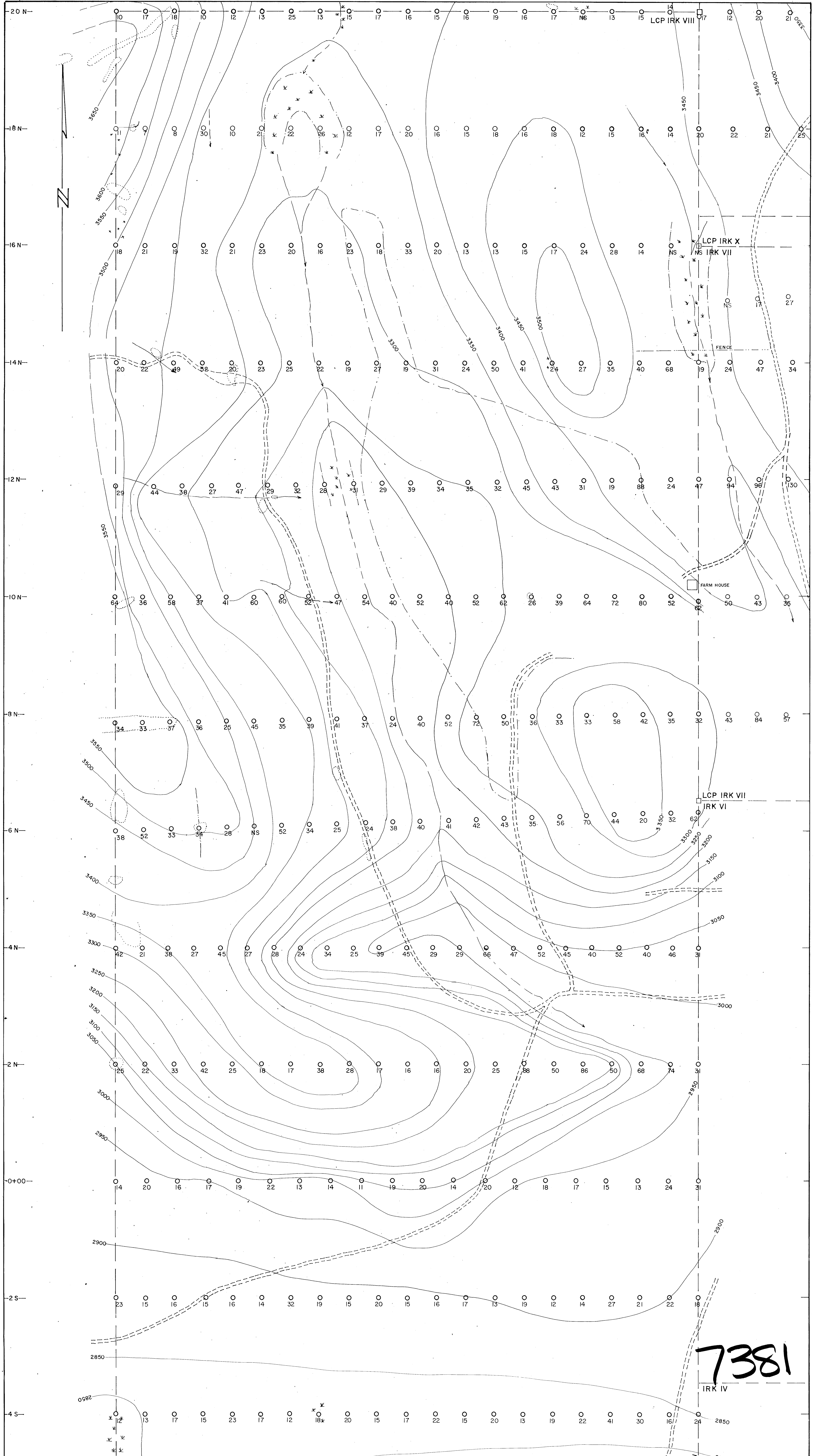


NOTE—Chain & Compass Survey

ASARCO Vancouver

PARROTT LAKES PROSPECT
IRK VIII CLAIM—OMINECA M.D.
 Cu in Soils

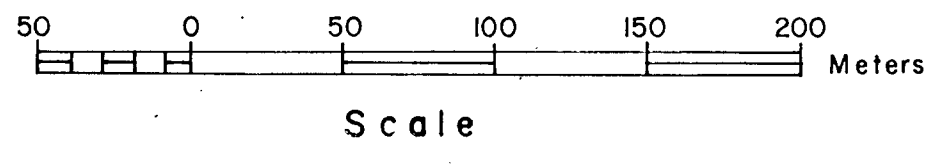
Drawn by	Date	NTS	FIG.
D.H.Q.	June/73	93L/2E	11



7381

LEGEND

- SOIL SAMPLE
- LEGAL CORNER POST
- CLAIM BOUNDARY
- ROAD
- ~ SWAMP
- - - MARGIN OF SWAMP OR FIELD
- STREAM
- RIDGE CREST
- x OUTCROP, FLOAT
- 3000 TOPOGRAPHIC CONTOUR (Feet)



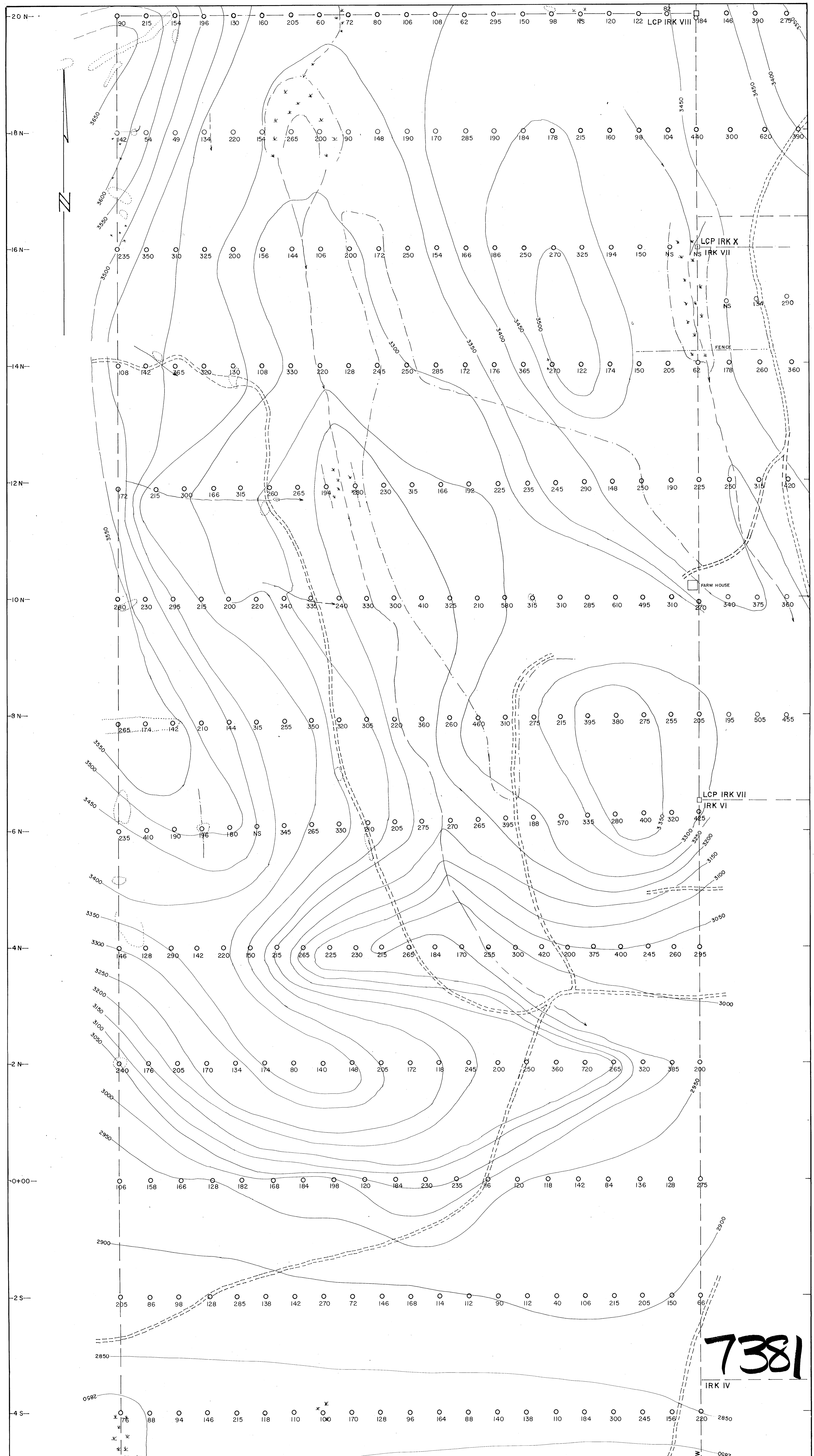
Scale

NOTE - Chain & Compass Survey

ASARCO Vancouver

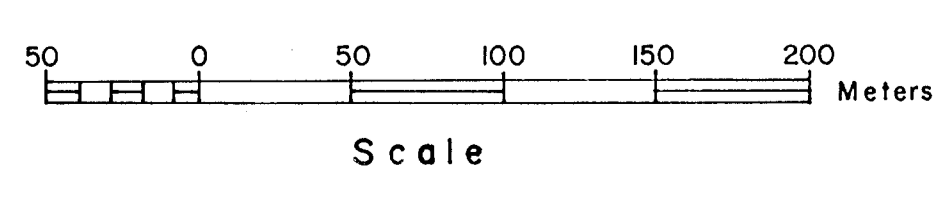
PARROTT LAKES PROSPECT
IRK VIII CLAIM - OMINECA M.D.
Pb in Soils

Drawn by	Date	NTS	FIG.
DH.Q.	June/79	93L/2E	12



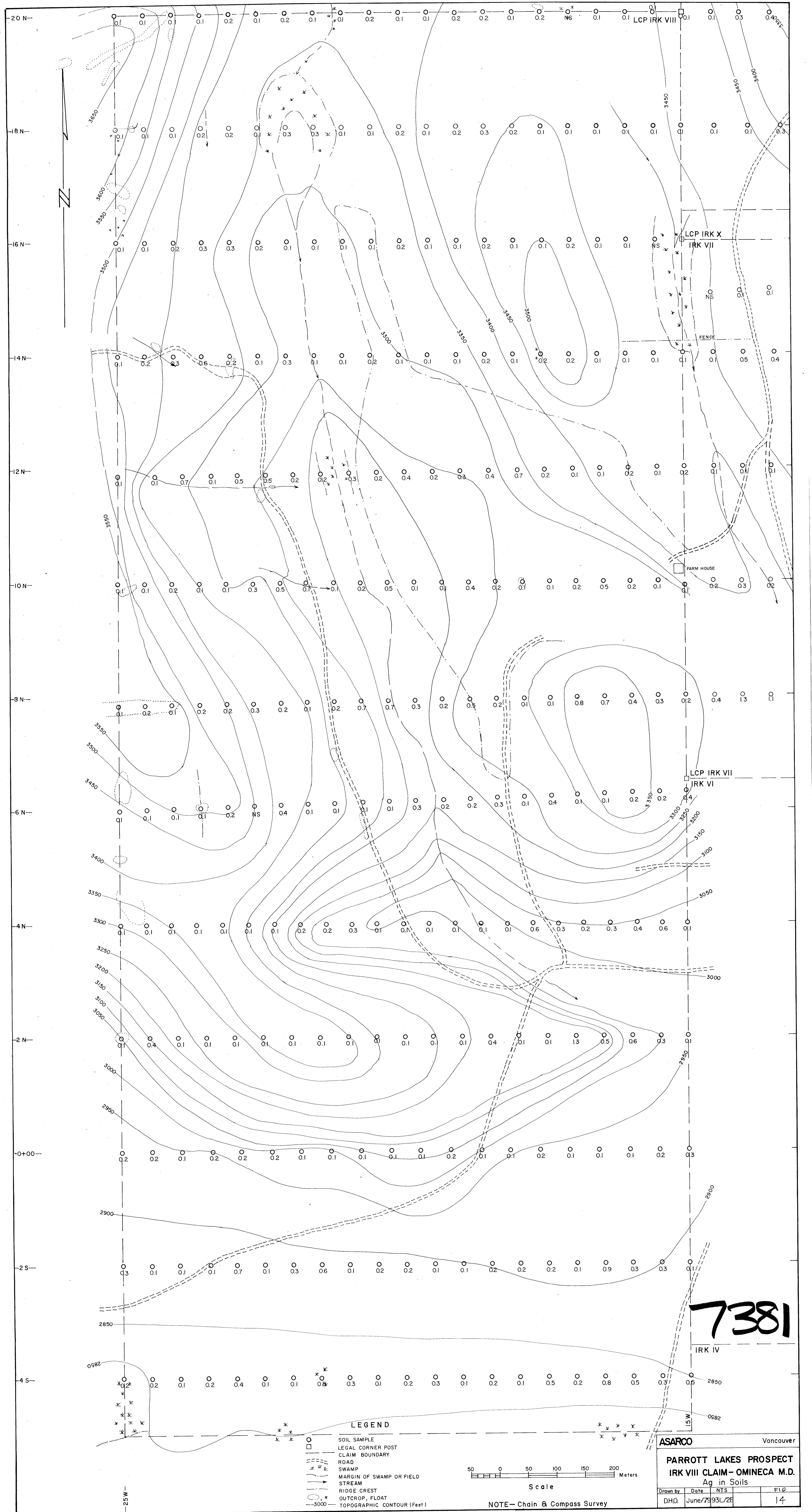
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- LEGEND**
- SOIL SAMPLE
 - LEGAL CORNER POST
 - CLAIM BOUNDARY
 - ROAD
 - - - SWAMP
 - - - MARGIN OF SWAMP OR FIELD
 - STREAM
 - RIDGE CREST
 - * OUTCROP, FLOAT
 - - - TOPOGRAPHIC CONTOUR (Feet)



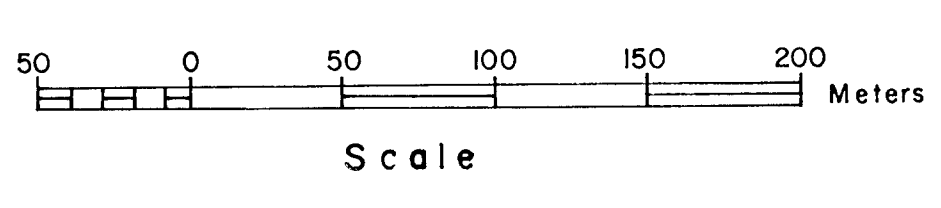
NOTE—Chain & Compass Survey

ASARCO		Vancouver	
PARROTT LAKES PROSPECT			
IRK VIII CLAIM - OMINECA M.D.			
Zn in Soils			
Drawn by	Date	NTS	FIG
DHO.	June/73	93L/2E	13



7381

- LEGEND**
- SOIL SAMPLE
 - LEGAL CORNER POST
 - CLAIM BOUNDARY
 - ROAD
 - ~ SWAMP
 - - - MARGIN OF SWAMP OR FIELD
 - ~ STREAM
 - - - RIDGE CREST
 - OUTCROP, FLOAT
 - TOPOGRAPHIC CONTOUR (Feet)

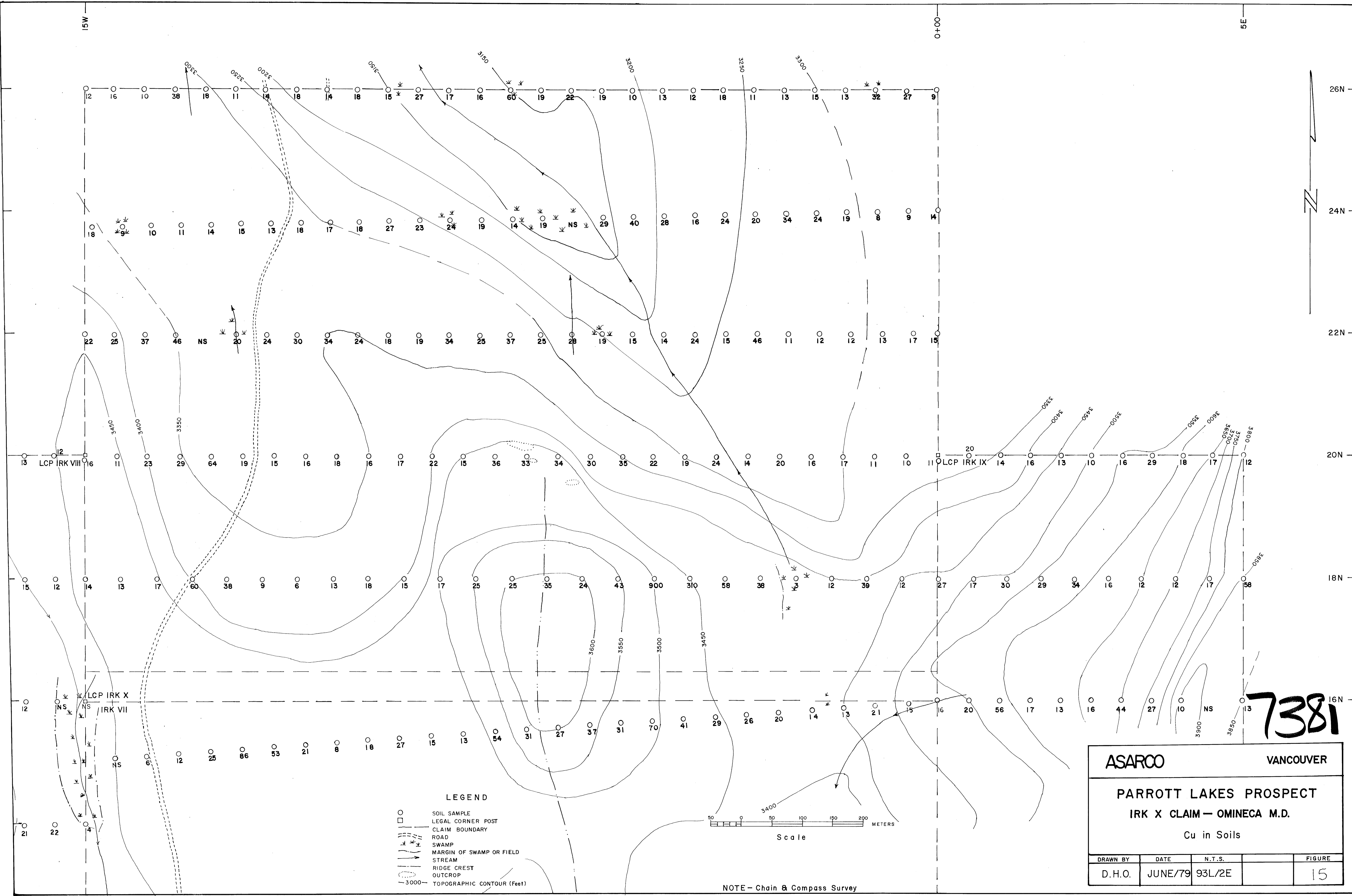


NOTE—Chain & Compass Survey

ASARCO Vancouver

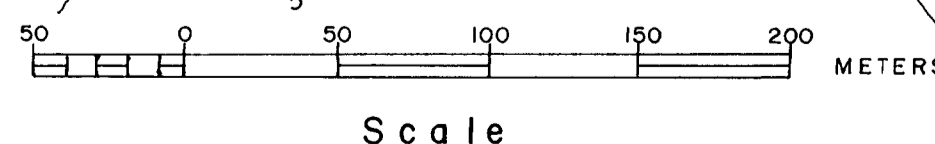
PARROTT LAKES PROSPECT
IRK VIII CLAIM—OMINECA M.D.
 Ag in Soils

Drawn by	Date	NTS	ETG
DHO	June/73	93L/ZE	14



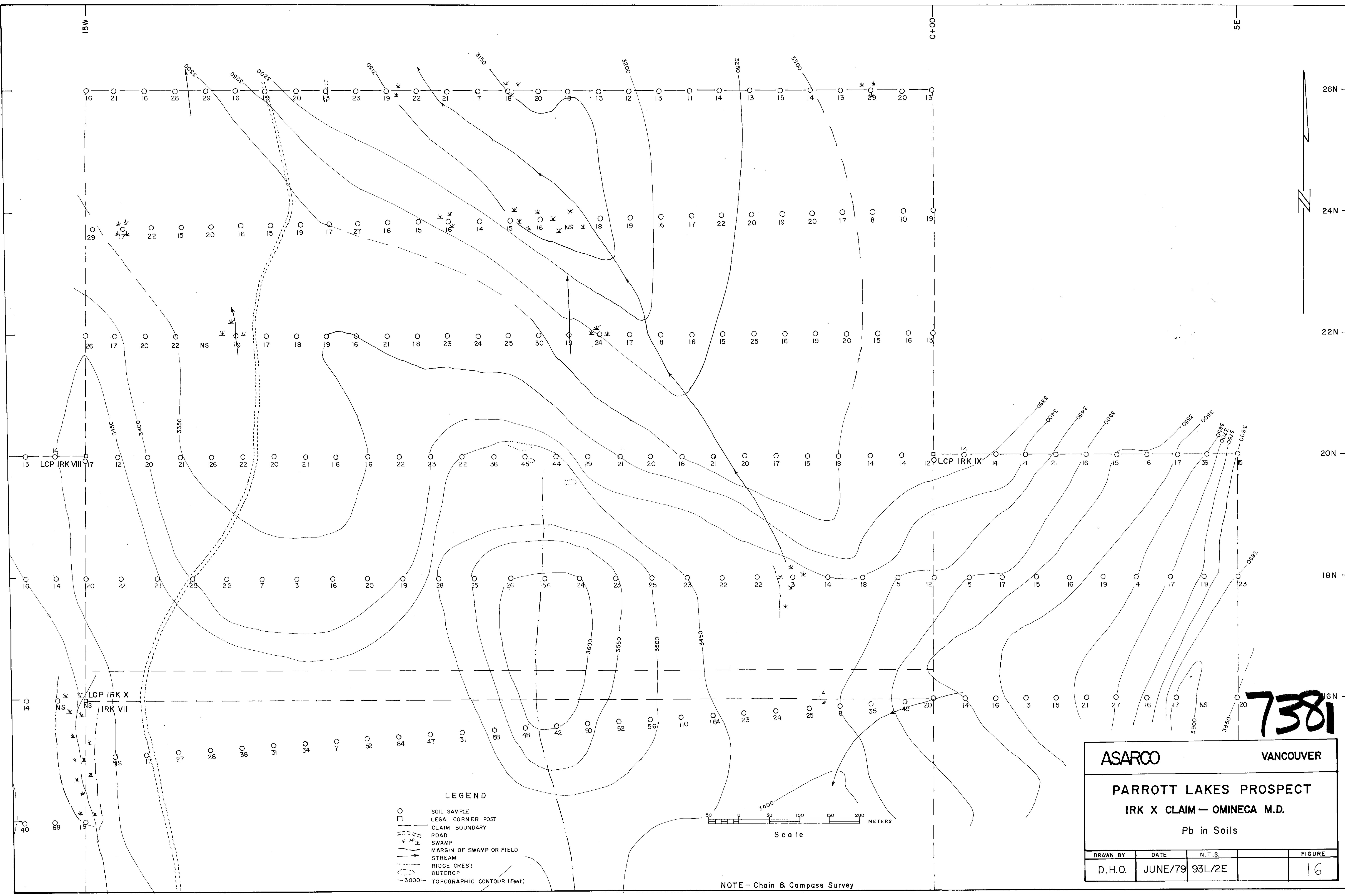
LEGEND

- SOIL SAMPLE
- LEGAL CORNER POST
- - - CLAIM BOUNDARY
- ROAD
- ~ SWAMP
- - - MARGIN OF SWAMP OR FIELD
- STREAM
- RIDGE CREST
- OUTCROP
- 3000— TOPOGRAPHIC CONTOUR (Feet)



NOTE - Chain & Compass Survey

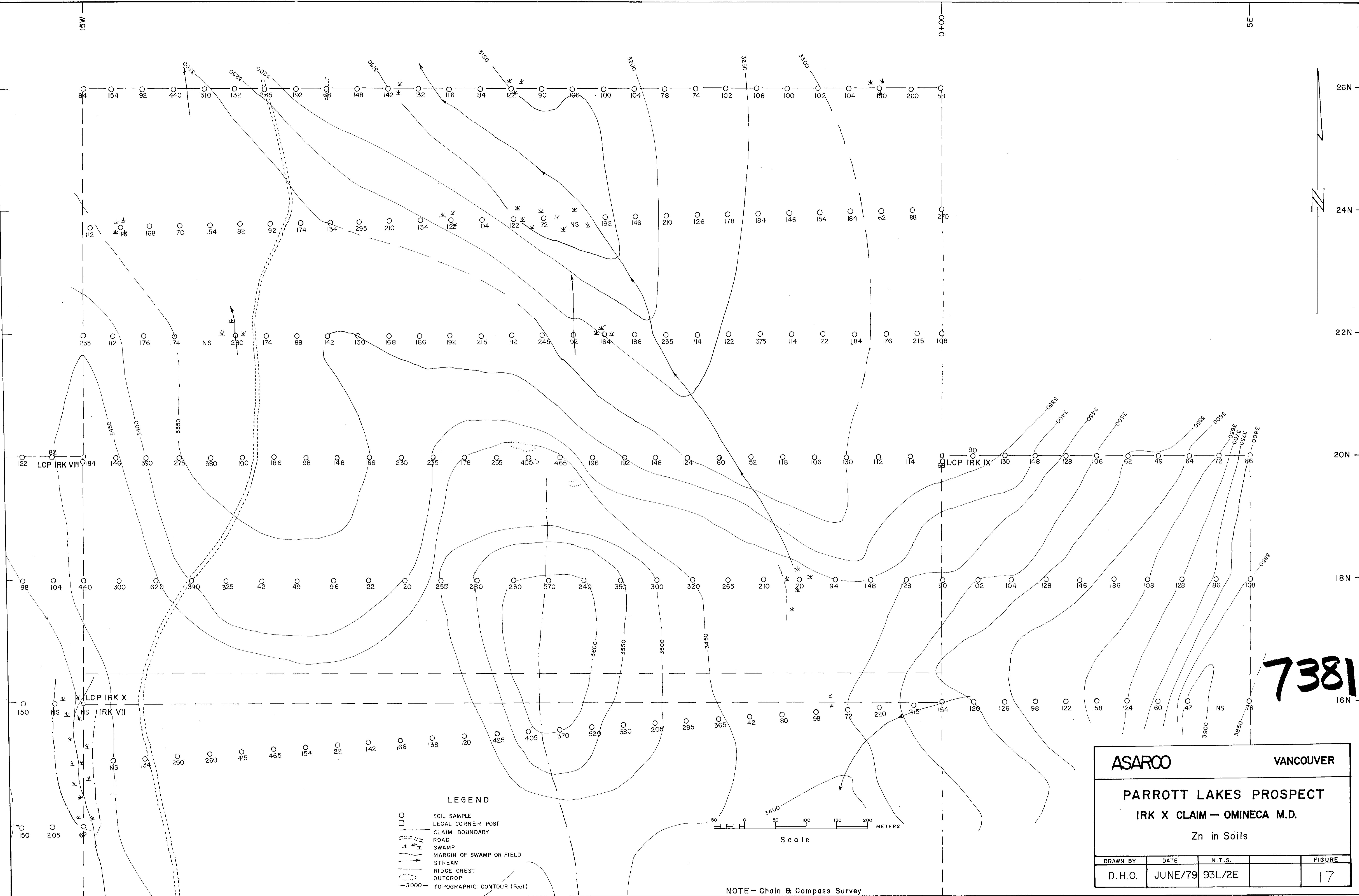
ASARCO		VANCOUVER	
PARROTT LAKES PROSPECT IRK X CLAIM - OMINICA M.D. Cu in Soils			
DRAWN BY	DATE	N.T.S.	FIGURE
D.H.O.	JUNE/79	93L/2E	15



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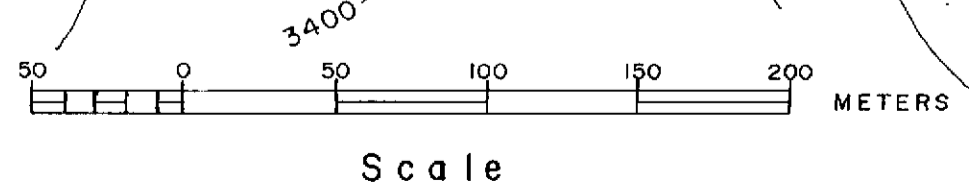
ASARCO		VANCOUVER		
PARROTT LAKES PROSPECT				
IRK X CLAIM - OMINECA M.D.				
Pb in Soils				
DRAWN BY	DATE	N.T.S.	FIGURE	
D.H.O.	JUNE/79	93L/2E	16	

NOTE - Chain & Compass Survey



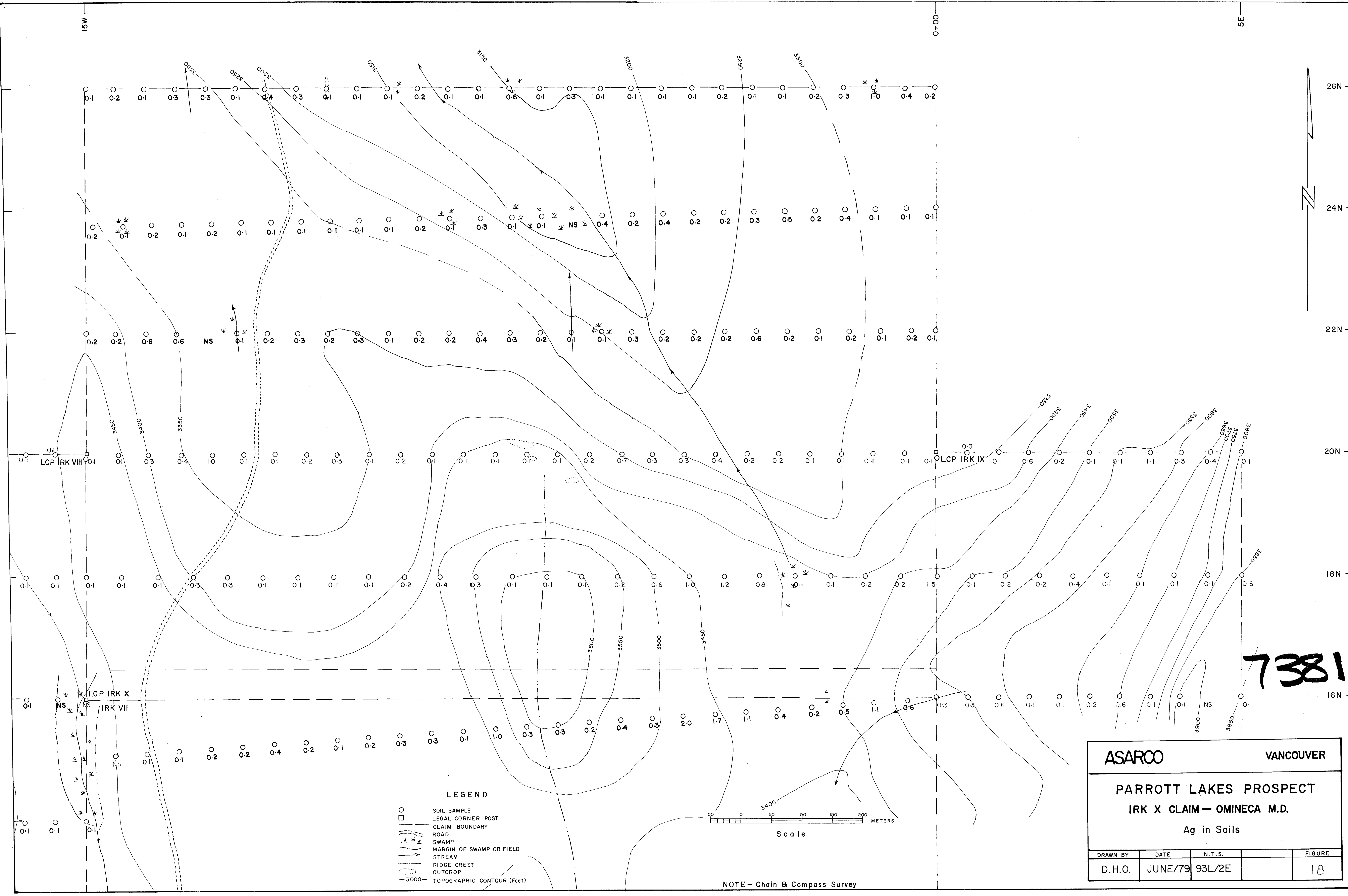
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- LEGEND**
- SOIL SAMPLE
 - LEGAL CORNER POST
 - CLAIM BOUNDARY
 - ROAD
 - SWAMP
 - MARGIN OF SWAMP OR FIELD
 - STREAM
 - RIDGE CREST
 - OUTCROP
 - 3000--- TOPOGRAPHIC CONTOUR (Feet)



NOTE - Chain & Compass Survey

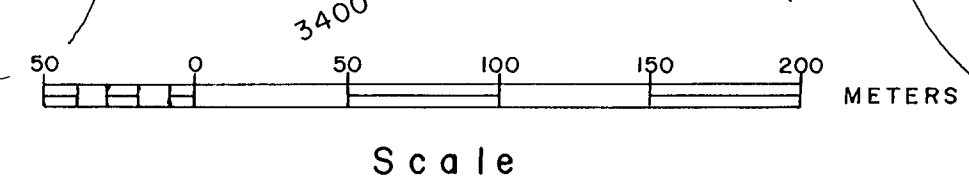
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PARROTT LAKES PROSPECT IRK X CLAIM - OMINECA M.D. Zn in Soils			
DRAWN BY	DATE	N.T.S.	FIGURE
D.H.O.	JUNE/79	93L/2E	17



7381

LEGEND

- SOIL SAMPLE
- LEGAL CORNER POST
- - - CLAIM BOUNDARY
- ROAD
- ~ SWAMP
- MARGIN OF SWAMP OR FIELD
- STREAM
- RIDGE CREST
- OUTCROP
- - - 3000 - TOPOGRAPHIC CONTOUR (Feet)



NOTE - Chain & Compass Survey

ASARCO		VANCOUVER	
PARROTT LAKES PROSPECT IRK X CLAIM - OMINECA M.D. Ag in Soils			
DRAWN BY	DATE	N.T.S.	FIGURE
D.H.O.	JUNE/79	93L/2E	18