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171 WEST ESPLANADE
NORTH VANCOUVER, B.C.

AUGUST 11, 1970

DEAR MR. ONTES:

THE ACCOMPANYING MAPS 70-1, 70-2, & 70-3 SHOW THE RELATIVE LOCATIONS AND SEPARATE LAYOUTS OF THE GRIDS REQUIRED FOR GEOLOGICAL-GEOCHEMICAL-GEOPHYSICAL SURVEYS ON YOUR NORIAN DATUM. GRIDS TO BE REHABILITATED, EXTENDED, OR CONSTRUCTED ARE AS FOLLOWS:

I SANTA MARIA (DWG. 70-2):

- (a) BASE-LINE @ $N 03^{\circ} W$ AND $S 03^{\circ} E$ FOR 1500' AND 1700', RESPECTIVELY, N AND S OF SHAFT.
- (b) 'E.M.-STYLE' CROSS-LINES TO BE ESTABLISHED FROM BW TO BE, SPACED @ 200' N-S INTERVALS FROM 2S-17S, INCLUSIVE; LINES TO BE STATIONED AT 100' HORIZONTAL INTERVALS.
- (c) ~~INTERMEDIATE CROSS-LINES INVOLVING MINIMUM CUTTING AND CLEARING, EXTENDING FROM 4W TO 4E AND SITUATING BETWEEN THE ABOVE (b) LINES; LINE STATIONS (FLAGGING) AT 100' HORIZ. INTERVALS.~~

II WAR EAGLE (DWG 70-3):

- (a) RE-ESTABLISH A REMARK PICKETS (LATH) OF EXISTING GRID (COMPRISING LINES 1-23, INCLUSIVE, BETWEEN 16N AND 10S AND INCLUDING DOUBTFULLY-EXISTING LINES² 18, 19, & 21; EXTEND ALL TO 16S. ALL LINES TO BE TO 'I.P. STANDARDS'.
- (b) EXTEND GRID (a) EASTWARD VIA THE ADDITION OF LINES² 24-30 INCLUSIVE, ALSO STATIONED (LATH) AT 200' N-S INTERVALS @ 16N-16S, INCLUSIVE.
- (c) CONSTRUCT A SUPPLEMENTARY E.M. GRID ON LINE II AS BASE-LINE, AND PROVIDING PICKETED (100' HOR. INTERVALS) CROSS-LINES ON EXISTING GRID 4N, 6N, 8N, 10N, 12N, 14N, & 16N, WITH NORTHERLY EXTENSION VIA 18N, 20N, 22N, & 24N. FOR EASY FIELD IDENTIFICATION THIS GRID SHOULD BE FLAGGED IN A DISTINCTIVE COLOUR (BLACK INK-STICK)

GENERAL ALL GRID PICKETS TO BE MARKED ON N-FACING SIDE, AND FLAGGED WITH A SHORT RED OR ORANGE RIBBON. SUFFICIENT LATH (PICKETS) SHOULD BE TAKEN IN (NOT AVAILABLE AT SMITHERS.).

ACCOMP. 70-1
70-2
70-3

W.M. Sharp, P. Eng.

Pathfinder - War Eagle

Rec'd Oct 19, 1970

Results indicate further coverage
i.e. (best avail techniques) Barringer field
crews warranted.

BARRINGER RESEARCH LIMITED
304 CARLINGVIEW DRIVE
METROPOLITAN TORONTO
REXDALE, ONTARIO, CANADA
PHONE: 416-677-2491
CABLE: BARESEARCH

BARRINGER RESEARCH

Hg in P.P.B.

Prep. 0.20
Analy. 2.00 2.20

GEOCHEMICAL LABORATORY REPORT NO. 316

DATE Oct. 15/70

ymh

SAMPLE NO.	Total Hg ppb	Sample No.	Tot. Hg ppb	Sample No.	Tot Hg ppb
W1 4E 12N	322	W21	496	W41	131
2 8	390	12E 4N		20E 12S	
3 4	451	22 0	250	42 16	368
4 0	166	23 4S	160	43 24E 16S	164
5 4S	531	24 8	275	44 12	219
6 8	518	25 12	209	45 8	410
7 12	186	26 16	203	46 4	355
8 16	162	W27	196	47 0	323
W9 8E 16S	166	16E 16S		48 0	
10 12	273	28 12	190	48 4N	432
11 8	246	29 8	304	49 8	162
12 4	655	30 4	164	50 12	234
13 0 N	169	31 0	141	W51	166
14 4	486	32 4N	528	30E 15N	
15 8	368	33 8	634	52 12	176
16 8	186	34 12	534	53 8	122
17 8+90E 15+80N	740	W35	655	54 4	496
W18 12E 16N	169	20E 12N		55 0	183
19 12	193	36 8	272	56 4S	179
20 8	451	37 4	176	57 8	103
		38 0	169	58 12	112
		39 4S	528	59 16	131
		40 8	528	W60	
				34E 16S	70

Comments re: ① presence or effect of organics ?
 ② suitability of soil-type for Hg-geochem. ?
 ③ any significance to gen range of 100 - 700 ppb.
 Barrie ① - taken care of by Hg spectrometer
 ② - not important
 ③ - Range is significant - Sup. plot up + give him a call.



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GEOCHEMICAL LABORATORY REPORT NO.

DATE

SAMPLE NO.		Tot Hg ppb									
W61 34E 12S		63									
62	8	115									
63	4N	83									
64	0S	103									
Total	64	-samples									

SOIL-SAMPLE DESCRIPTIONS - WARRBLE HG. SAMPLES
SEPT. 27 - To be done on W-1 to W-50 bags

SEPT. 28

- W-51 - Sticky brown gummy soil - 14"
W-52 gray-brown silt w rock frags. - 18"
W-53 - red-brown clayey over bedrock from trench wall - 18"
W-54 - reddish brown loamy w rock frags. - 16"
W-55 grayish " clayey " " " - 24"
W-56, grayish " " " " " - 18"
W-57, reddish brown, loamy, - 22"
W-58, pale brown clayey gummy soil - 20"
W-59, med. brown silty-loam - 30"
W-60 - yellow brown clay w rock frags - 30"
W-61 med. brown, sandy (-sp binder) - 30"
W-62, red brown, wet, sticky - 24"
W-63, red brown clayey soil - 24"
W-64, red brown clayey soil - 18"

VOID PRELIM PLOT ON W.S. WAREABLE *Map 12* Sept. 15/70.
 RE-PLOT ALL ON CORRECTED ABLETT & W.S. GRIDS
 NOTING ABLETT 18E = NORCAN LINE 11. geologists • geochemists • analysts



BONDAR-CLEGG & COMPANY LTD.

1500 PEMBERTON AVENUE, NORTH VANCOUVER, B.C.
 PHONE 988-5315

Potted.

GEOCHEMICAL LAB REPORT

No. 20-653

Extraction Hot Aqua Regia

From Mr. A. Ablett *In Pathfinder Pass Hudson Basin*

Method Atomic Absorption

Date September 15 19 70

Fraction Used -80 Mesh

Analyst K.B.

SAMPLE NO.	Cu ppm	Mo ppm		SAMPLE NO.	Cu ppm	Mo ppm	REMARKS
1	49	ND		34	24	2	
<i>loc. ?</i> 2	130	ND		35	102	1	
<i>loc. ?</i> 3	77	ND		36	20	1	
4	39	ND		37	67	1	
5	51	ND		38	68	3	
6	56	ND		39	60	1	
7	86	ND		40	90	1	
8	38	ND		45	104	1	
9	99	1		46	178	1	
10	95	2		47	99	ND	
11	68	ND		48	50	ND	
12	84	ND		49	31	ND	
13	39	1		50	270	ND	
14	54	1		51	29	1	
15	52	ND		52	181	ND	
16	95	1		53	21	ND	
17	58	1		54	28	1	
18	74	1		55	48	1	
19	33	ND		56	32	1	
20	62	1		57	116	1	
23	160	1		58	17	1	
24	102	ND		59	600	1	
25	86	1		60	25	ND	
26	70	ND		61	107	1	
27	123	ND		62	190	2	
28	66	2		64	230	2	
29	27	1		65	160	11	
30	89	2		66	18	1	
31	73	1		67	44	1	
32	100	3		68	31	ND	
33	50	2		69	11	1	

Plotted

GEOCHEMICAL LAB REPORT

SAMPLE NO.	Cu ppm	Mo ppm		SAMPLE NO.	Cu ppm	Mo ppm	REMARKS
70	320	5		111	27	ND	
71	76	ND		112	142	1	
72	72	1		113	18	1	
73	87	9		114	110	2	
74	21	ND		115	62	1	
75	17	1		116	86	1	
76	20	ND		117	36	1	
77	20	1		118	31	1	
<i>map</i> <i>has 78</i> 79	95	ND		120	22	1	
81	130	1		121	26	ND	
82	41	ND		122	11	1	
83	69	1		123	28	ND	
84	123	1		124	160	1	
85	70	1		125	103	2	
<i>86 on map</i> 87	260	6		126	32	1	
88	30	3		127	104	2	
89	200	5		128	31	ND	
90	45	1		129	17	ND	
91	60	1		130	14	ND	
92	430	6		131	21	ND	
93	120	1		132	22	ND	
94	30	1		133	12	ND	
95 <i>SILT -</i>	325	41		134	14	ND	
96	123	ND		135	24	ND	
97	12	ND		136	18	ND	
98	62	ND		137	32	ND	
99	70	ND		138	31	ND	
100	34	ND		139	200	2	
101	81	ND		140	68	ND	
102	78	1		141	70	2	
103	38	ND		142	41	1	
104	19	ND		143	130	1	
105	33	1		144	43	1	
<i>106 on map</i> 107	215	2		145	42	1	
<i>108 on map</i> 109	24	1		146	390	2	
110	215	1		147	49	1	

plotted

GEOCHEMICAL LAB REPORT

SAMPLE NO.	Cu ppm	Mo ppm		SAMPLE NO.	Cu ppm	Mo ppm	REMARKS
148	26	1		199	40	ND	
149	112	1		200	50	ND	
150	200	1		201	186	2	
151	54	ND		202	37	ND	
152	40	ND		203	31	1	
153	18	ND		204	32	1	
154	55	ND		<i>205, 206, 207 on map.</i> 208	27	1	
155	44	ND		209	39	1	
156	39	1		<i>210 on map.</i> 211	76	1	
157	19	ND		212	36	1	
158	19	ND		213	32	1	
159	19	1		214	38	1	
160	29	1		215	36	1	
161	27	1		216	57	1	$31 \times 5 = 155$
162	20	ND		217	40	1	21
163	56	ND		218	40	ND	5
164	23	ND		219	38	ND	3
165	27	ND		220	35	1	1
166	99	ND		221	20	ND	+
167	90	1		<i>222 on map.</i> 223	37	ND	190
171	40	1		<i>224 not on map.</i> 224	27	ND	
172	37	ND					
175	42	1					
176	40	1					
177	29	ND					
178	33	ND					
179	53	ND					
180	46	1					
181	26	ND					
182	22	1					
183	24	1					
184	17	ND					
<i>185-189 incl. on map.</i> 190	29	ND					
<i>191-195 incl. on map.</i> 196	23	1					
197	21	ND					
198	53	ND					