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REPORT ON THE AUGER GEOCHEMISTRY

BEACONSFIELD GOLD PROSPECT

E.R. LECKIE 20-10-69

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INTRODUCTION

A programme of auger drilling was carried out to obtain bedrock geochemical samples in the vicinity of the old Tasmanian Gold Mine.

The aim of the programme was to locate any possible parallel structures to the Tasmania Reef which may occur, but which would be masked by the overlying thick Tertiary Sediments.

GEOLOGY

Country rocks are a sequence of Ordovician sediments, consisting of the Gordon Limestone with an interbedded siltstone horizon known as the Grubb Beds, which occur very near the base of the former unit. The Gordon Limestone is underlain by the Cabbage Tree Formation which consists of quartz sandstone with interbedded conglomerate.

The Cabbage Tree Conglomerate outcrops as a prominent hill immediately west of the town of Beaconsfield. Almost all the Gordon Limestone and the Grubb Beds are covered by Tertiary Alluvium up to at least 130 ft. thick and probably more.

The orebody known as the Tasmania Reef is an infilling in a fault zone in the Grubb Beds. It strikes 050° and dips 50° - 60° to the south east. The ore consists of quartz with much sulphides, mainly pyrite, chalcopyrite, galena, sphalerite and arsenopyrite, containing gold and some silver.

In the area of the reef the Grubb Beds apparently directly overlie the Cabbage Tree Conglomerate ie. the Grubb Beds form the basal unit of the Gordon Limestone.

At the point where the Tasmania Reef leaves the Grubb Beds and enters the Cabbage Tree Conglomerate there is a major change of strike to 280° . This is accompanied by a marked narrowing of the lode. This lode, known as the "Moonlight Cumwonder Reef" was the first discovered. Miners followed it to the east and discovered the wide, rich Tasmania Reef which was only partially

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covered by the alluvium.

There are a number of quartz lodes parallel to the Moonlight Cumwonder Reef which have been worked for gold. All these however are covered by alluvium in their eastern limits.

The Moonlight Cumwonder - Tasmania Reefs appear to form a sigmoidal fracture system, formed under a west side to the north, east side to the south, stress field. Dilation has occurred in the less competent Grubb Beds, forming the wide channel for the Tasmania Reef.

This suggests that there may be other structures parallel to the Tasmania Reef, covered by the alluvium with the structures parallel to the Moonlight Cumwonder being their western "tails".

Such parallel reefs form an important exploration target.

EXPLORATION PROGRAMME

The high base metal content of the Tasmania Reef (eg. copper averaged 1% in Mines Dept. drill core) indicated that geochemistry should locate any mineralisation. In view of the thickness of the alluvium a Gemco auger drill was used to obtain samples at or near bedrock. As well as this, samples were taken at regular intervals down the holes in case any haloes from sub-outcropping reefs were distorted by groundwater flow.

Initially, a line of holes were drilled along the Tasmania Reef to obtain data to assist interpretation.

DRILLING PROGRAMME

Drilling began on 30th July and finished on 20th September 1969.

A total of 57 holes was drilled ranging from 4' to 133'. Total footage was 2868'8" with an average hole depth of 50'2".

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A total of 868 samples was taken and assayed by McPhar Geophysics Pty. Ltd. for copper, lead and zinc. Also thirty one of these samples were assayed gold.

The drill sites were initially planned on a regular grid basis, but this was not possible as all the holes were within the town of Beaconsfield.

RESULTS

A map showing hole sites and a list showing the holes, sampling points and analyses (Cu.Pb.Zn) are enclosed with this report.

As all the drilling was carried out within Beaconsfield, the possibilities of contamination are high. Disposed garbage and sewerage would carry anomalous levels of metals which would enter the groundwater and give anomalous values in near surface samples. This probably explains the mid-hole anomalies occurring approx. 20' - 40' as in holes 18, 18A, 45, 48 and others.

For the samples analysed for gold all were below the limit of detection (0.5ppm).

For the copper, lead and zinc analyses, histograms were drawn up showing frequency distribution and from these the threshold for each element was calculated. These were:

Copper - 95 ppm

Lead - 60 ppm

Zinc - 120 ppm

Using these a list of holes with their anomalous results was compiled as follows:

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ANOMALOUS SAMPLES

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<u>BORE</u>	<u>COPPER</u>	<u>LEAD</u>	<u>ZINC</u>
1			1 sample
14	12	13	14
16	1		
18	1		
18A	2		
20	3	1	1
21	3	2	7
24	1	1	
26			1
27	1		
44	1		
45	1		1
48	1		2
53			6
55			3
56	2	1	

Of all these holes Nos. 1, 14, 16, 18, 18A, 20 and 21 are all along the line of the Tasmania Reef and (espec. 14 and 20) indicate the anomalies we can expect from any other similar structures.

Hole 24 is slightly anomalous for copper and lead but these results are probably due to groundwater circulation from the Tasmania Reef.

Hole 26 with one high zinc, does not seem to form a significant anomaly. It is partially re-enforced by Hole 56, which bottomed in black slate which would be expected to have an above average metal content.

Hole 27 with one high copper result does not constitute an important anomaly.

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Hole 44 with one anomalous copper result does not appear significant, especially as the adjacent Hole 43 though incompletely sampled, is barren.

Both Holes 45 and 48 show mid-hole copper anomalies and both have low order zinc anomalies but appear inconclusive as the intervening Holes 46 and 47 are barren.

Holes 53 and 55 show medium order zinc enrichment with 53 having ore high lead result. However copper from both holes is uniformly low and Hole 51 which is between the above two holes is barren. Thus no major target is present in this area.

CONCLUSIONS

The auger drilling programme has not produced any significant anomalies which would constitute a drilling target with the exception of the known Tasmania Reef Zone.



E. R. LECKIE

20th October, 1969

APPENDIX 1

GEMCO DRILLING

HOLES - SAMPLES AND ANALYSES

GEMCO DRILLING

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Bore 1

		Cu	Pb		2 _n
0 - 6'	45	<20	A145	20	
- 12'	25	<20	A146	10	
- 16'	10	<20	A147	10	
- 22'	5	<20	A148	10	
- 28'	15	<20	A149	10	
- 34'	15	<20	A150	10	
- 40'	10	<20	A151	10	
- 46'	15	<20	A152	15	
- 52'	15	<20	A153	15	
Quartz and stone pebbles - 58'	20	<20	A154	25	
- 64'	20	<20	A155	30	
- 70'	25	<20	A156	50	
- 76'	30	<20	A157	60	
- 79'	20	<20	A158	55	
- 83'	75	<20	A159	110	
Quartz Pebbles - 88'	20	<20	A160	40	
- 94'	40	<20	A161	70	
- 100'	25	<20	A162	200	
- 106'	26	<20	A163	75	
- 112'	20	<20	A164	70	
- 118'	15	20	A165	35	

Adjacent and East of Failing Drill

Water washing off core
Yellow sandy clay.

Bore 2

0 - 4'	15	<20	A166	15	
- 10'	10	<20	A167	10	
- 16'	10	<20	A168	10	
- 22'	15	<20	A169	10	
- 28'	10	<20	A170	30	
- 34'	15	<20	A171	70	
- 38'	15	<20	A172	75	
- 42'	15	<20	A173	60	
- 46'	20	<20	A174	70	
- 49'	20	<20	A175	75	
- 52'	15	<20	A176	60	
- 56'	15	<20	A177	60	
- 60'	15	<20	A178	65	
- 63'	15	<20	A179	70	
- 67'	15	<20	A180	60	
- 71'	20	<20	A181	70	
- 72'6"	15	<20	A182	55	

Eastern end Grubb Street

Stiff black clay.

Moving West from Bore 2 along Grubb Sl 100' spacing

		cu.	Pb		zn.
<u>Bore 3</u>	0 - 4'	15	<20	A183	10
	- 10'	10	<20	A184	10
	- 16'	10	<20	A185	5
	- 22'	15	<20	A186	10
	- 28'	15	<20	A187	80
	- 34'	20	<20	A188	90
	- 39'	15	<20	A189	85
	- 46'	15	<20	A190	50
	- 51'	20	<20	A191	55
				<i>black dry slate (?)</i>	

<u>Bore 4</u>	0 - 4'	15	<20	A192	20
	- 10'	10	<20	A193	10
	- 16'	5	<20	A194	5
	- 22'	10	<20	A195	5
	- 28'	10	<20	A196	10
	- 34'	20	<20	A197	85
	- 40'	15	<20	A198	90
	- 46'	10	<20	A199	85
	- 50'	15	<20	A200	65
	- 51'	20	<20	A201	20
				<i>grey black slaty clay.</i>	

<u>Bore 5</u>	0 - 6'	5	<20	A202	10
	- 12'	10	<20	A203	10
	- 18'	10	<20	A204	15
	- 24'	5	<20	A205	10
	- 30'	10	<20	A206	10
	- 36'	10	<20	A207	10
	- 42'	10	<20	A208	60
	- 48'	15	<20	A209	85
	- 54'	10	<20	A210	80
	- 60'	15	<20	A211	75
	- 66'	15	<20	A212	75
	- 72'	15	<20	A213	65
				<i>black clay.</i>	

GEMCO DRILLING

057010

Grubb Street moving West

009

		bu.	Ab.		Zn.
<u>Bore 6</u>	0 - 6'	10	<20	A214	10
	- 12'	5	<20	A215	5
	- 18'	10	<20	A216	5
	- 24'	5	<20	A217	10
	- 30'	15	<20	A218	10
	- 36'	15	<20	A219	10
	- 42'	15	<20	A220	25
	- 48'	15	<20	A221	75
	- 54'	20	<20	A222	75
	- 60'	15	<20	A223	75
	- 66'	15	<20	A224	75
	- 68'6"	25	<20	A225	55

black clay.

<u>Bore 7</u>	0 - 6'	10	<20	A226	10
	- 12'	5	<20	A227	10
	- 18'	10	<20	A228	5
	- 24'	10	<20	A229	5
	- 30'	5	<20	A230	5
	- 36'	5	<20	A231	5
	- 42'	10	<20	A232	5
	- 48'	20	<20	A233	25
	- 54'	25	<20	A234	70
	- 60'	20	<20	A235	70
	- 66'	25	<20	A236	60
	- 69'6"	25	20	A237	75
	- 72'	20	20	A238	75

Hard grey black clay.

East Slope Cabbage Tree Hill Moving West 100' Spacing

<u>Bore 8</u>	0 - 4'	25	<20	A239	20
	- 10'	35	<20	A240	10
	- 16'	10	<20	A241	5
	- 22'	15	<20	A242	15
	- 28'	10	<20	A243	15
	- 34'	10	<20	A244	10
	- 40'	20	<20	A245	20
	- 46'	10	<20	A246	15
	- 52'	15	<20	A247	15
	- 58'	15	<20	A248	15
	- 64'	10	<20	A249	10
Sandstone and Quartzite	- 69'	10	<20	A250	10

light grey sandy clay.

GEMCO DRILLING

East Slope Cabbage Tree Hill Moving West 100' Spacing

		W	Pb.		2n.
<u>Bore 9</u>	0 - 4'	25	< 20	A251	20
	- 10'	20	< 20	A252	10
	- 16'	15	< 20	A253	10
	- 22'	40	20	A254	25
	- 28'	15	< 20	A255	10
	- 34'	10	< 20	A256	10
	- 40'	10	< 20	A257	10
	- 46'	20	< 20	A258	10
	- 50' 9"	20	< 20	A259	10
	- 57'	10	< 20	A260	20
	- 57' 7"	5	< 20	A261	5
STP Bore 9	56' - 57' 6"	10	< 20	A262	60
STP Bore 9	57' 6" - 58' 2"	10	< 20	A263	10

White coarse clay.

<u>Bore 10</u>	0 - 4'	Abandoned hard rock			
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<u>Bore 10A</u>	0 - 4'	10	30	A264	15
	- 10'	10	20	A265	10
	- 16'	5	20	A266	10
	- 22'	5	< 20	A267	10
	- 28'	5	< 20	A268	10
	- 34'	10	< 20	A269	10
	- 40'	5	< 20	A281	10
	- 48'	5	< 20	A282	5
	- 54'	5	< 20	A283	5
	- 60'	5	20	A284	10
	- 66'	10	20	A285	5
	- 72'	10	50	A286	10
	- 78'	10	30	A287	10
	- 84'	20	30	A288	10
	- 90'	5	< 20	A289	10
STP 10A	89'	10	20	A290	10
STP 10A	90'	10	< 20	A291	10

Yellow & red Sand & Sandstone.

<u>Bore 11</u>	0 - 4'				
	4 - 10'				
	10 - 15'	unable to penetrate			

011

GEMCO DRILLING

057012

		cu	pb	zn
<u>Bore 12</u>	0 - 4'			
	4 - 10'			
	10' - 15'			

Solid at 15' - ironstone

<u>Bore 13</u>	0 - 4'			
	4 - 10'			
	10 - 16'			
	16 - 17'6"			
STP 13	17'6"			

Solid at 17'6" ironstone

<u>Bore 14</u>	0 - 4'	5	25	A308	15
	- 10'	5	20	A309%	10
	- 16'	10	20	A310	10
	- 22'	10	20	A311	10
	- 28'	20	20	A312	25
	- 34'	20	20	A313	25
	- 40'	15	20	A314	50
	- 46'	30	20	A315	35
	- 52'	20	20	A316	30
	- 58'	50	30	A317	120
	- 64'	90	220	A318	6000
	- 70'	150	260	A319	900
	- 76'	100	230	A320	760
	- 82'	90	180	A321	460
	- 88'	90	180	A322	920
	- 94'	95	180	A323	680
	- 100'	100	200	A324	800
	- 106'	110	340	A325	1000
	- 112'	100	270	A326	800
	- 118'	80	180	A327	220
	- 124'	75	170	A328	680
	- 127'6"	55	110	A329	310
	- 133'	65	120	A330	440

Brown grey clay with mudstone water washing sample off

012

GEMCO DRILLING

057013

Bore 15

		W	Pb		Zn.
0 -	6'	5	25	A331	20
-	10'	5	<20	A332	20
-	16'	<2	<20	A333	10
-	22'	2	<20	A334	20
-	28'	10	20	A335	25
-	34'	5	<20	A336	20
-	40'	5	<20	A337	25
-	46'	35	20	A338	15
-	54'	70	20	A339	15
-	58'	30	20	A340	10
-	64'	30	20	A341	15
-	70'	40	<20	A342	10
-	76'	25	<20	A343	30
-	82'	30	<20	A344	25
-	88'	35	<20	A345	15
-	94'	10	20	A346	20

Grey clay and slate. washing off flight

Bore 16

						Am.
0 -	4'	5	20	A347	50	
-	10'	5	<20	A348	20	<0.5
-	16'	15	<20	A349	25	<0.5
-	22'	10	<20	A350	25	<0.5
-	28'	15	<20	A351	25	<0.5
-	34'	25	<20	A352	30	<0.5
-	40'	20	<20	A353	10	<0.5
-	46'	30	<20	A354	15	
-	50'	230	50	A355	15	

blue and white clay

Bore 17

0 -	4'	15	30	A356	10	
-	10'	15	25	A357	15	
-	16'	45	40	A358	15	<0.5
-	22'	55	30	A359	15	<0.5
-	28'	30	40	A360	15	<0.5
-	34'	55	40	A361	30	<0.5
-	40'	75	55	A362	30	<0.5
-	46'	55	45	A363	35	

Slaty clay

013

Bore 18

		Ln	P6		2n.
0	-	4'	15	30	A364 10
	-	10'	25	30	A365 25
	-	16'	30	<20	A366 50
	-	22'	40	<20	A367 45
	-	28'	70	<20	A368 45
	-	34'	100	<20	A369 45
	-	40'	60	<20	A370 50
	-	46'	35	<20	A371 40
	-	52'	50	<20	A372 55

Quartzite Bottom

Bore 18ASamples
Duplicated

0	-	4'	25	25	A383 25
	-	10'	40	30	A384 40
	-	16'	50	20	A385 65
	-	22'	120	50	A386 55
	-	28'	130	30	A387 50
	-	34'	85	40	A388 70
	-	40'	60	40	A389 60
	-	46'	60	20	A390 60
	-	52'	60	20	A391 55

Mudstone at 51'6"
Quartzite Bottom.

Close to Mines Dept Deep DDH

Grubb St. East

Bore 19

0	-	4'	55	310	A392 95
	-	10'	30	20	A393 10
	-	16'	45	20	A394 15
	-	22'	45	20	A395 15
	-	28'	60	50	A396 30
	-	34'	50	30	A397 35

wet black slaty clay. Sample washing off.

Bore 20

0	-	4'	15	30	A398 10
	-	10'	15	55	A399 10
	-	16'	90	120	A400 95
	-	22'	100	20	A401 100
	-	28'	220	40	A402 110
	-	34'	240	40	A403 120
	-	40'	70	30	A413 65
	-	46'	35	25	A414 90
	-	52'	70	30	A415 90
	-	54'6"	75	35	A416 85

Mudstone bottom

GEMCO DRILLING

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Bore 21

	cu.	Pb.		zn.
0 - 4'	10	20	A404	10
- 10'	10	<20	A405	10
- 16'	10	<20	A406	5
- 22'	5	<20	A407	5
- 28'	20	<20	A408	20
- 34'	15	<20	A409	10
- 40'	80	100	A410	180
- 46'	95	70	A411	140
- 52'	85	55	A417	100
- 58'	110	55	A418	250
- 64'	60	40	A419	150
- 70'	120	50	A420	220
- 76'	60	45	A421	180
- 82'	70	40	A422	170

Blue clay with mudstone

Bore 22

0 - 4'	10	20	A446	10
- 10'	10	20	A447	10
- 16'	20	<20	A448	10
- 22'	10	<20	A449	10
- 28'	10	<20	A450	15
- 34'	5	<20	A451	5
- 40'	10	<20	A452	10
- 46'	10	<20	A453	10
- 52'	5	<20	A454	10
- 58'	10	<20	A455	10
- 64'	20	20	A456	50
- 70'	15	<20	A457	35
- 73'	15	<20	A458	55
- 76'	15	20	A459	30
- 82'	20	<20	A460	10
- 88'	10	<20	A461	5
- 94'	10	<20	A462	5

white sand e sandstone

water washing
sample off.Bore 23

0 - 4'	5	20	A470	5
- 10'	10	20	A471	10
- 16'	5	20	A472	5
- 22'	5	<20	A473	20
- 28'	10	<20	A474	15
- 34'	10	20	A475	15
- 40'	5	<20	A476	15
- 46'	20	20	A477	30
- 52'	20	30	A478	20
- 58'	30	20	A479	20
- 64'	35	30	A480	25

Sample washing off

Coarse yellow sand

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GEMCO DRILLING

<u>Bore 24</u> (opp Cinema)		bu.	ft.		2n.
	0 - 4'	5	25	A530	15
	- 10'	10	<20	A531	20
	- 16'	15	20	A532	15
	- 22'	20	20	A533	15
	- 28'	20	20	A534	10
	- 34'	10	20	A535	10
	- 40'	10	<20	A536	10
	- 46'	45	25	A537	80
	- 52'	15	<20	A538	10
	- 58'	10	25	A539	15
	- 64'	100	20	A540	10
	- 70'	45	110	A541	30
	- 76'	20	30	A542	10
	- 82'	90	30	A543	25

Black decomposed clay (slate)

<u>Bore 25</u> (opp Union Hotel)					
	0 - 4'	15	25	A585	25
	- 10'	20	<20	A586	20
	- 16'	15	<20	A587	15
	- 22'	25	20	A588	20
	- 28'	25	20	A589	20
	- 34'	15	<20	A590	20
	- 40'	10	<20	A591	20
	- 46'	20	<20	A592	50
	- 52'	20	<20	A593	50
	- 58'	20	<20	A594	40
	- 64'	10	<20	A595	20
	- 70'	20	<20	A596	40
	- 76'	15	<20	A597	25

Black slaty clay

Brown clay & grey sand

Hole casing

Moving along Weld Street past Hospital

<u>Bore 26</u> By Church						me.
	0 - 4'	15	40	A598	10	<0.5
	- 10'	40	30	A599	35	<0.5
	- 16'	65	50	A634	160	<0.5
	- 22'	50	30	A635	75	<0.5
	- 28'	45	25	A636	80	<0.5
	- 30'6"	55	30	A637	85	<0.5

Grey slate

<u>Bore 27</u>					
	0 - 4'	15	30	A638	20
	- 10'	15	30	A639	15
	- 16'	40	25	A640	15
	- 22'	85	30	A641	25
	- 28'	60	20	A642	45
	- 34'	75	20	A643	40
	- 40'	170	20	A644	25
	- 46'	65	25	A645	30
	- 52'	70	<20	A646	30

Grey slate

		<u>GEMCO DRILLING</u>				
			bu.	Pb.		zn.
<u>Bore 28</u>	0 - 4'	15	20	A647	15	
(Main Rd - Fork)	- 10'	35	20	A648	70	
	- 16'	30	20	A649	70	
	- 22'	30	< 20	A650	75	
	- 28'	30	20	A651	80	
<i>black slate.</i>						
<u>Bore 29</u>	0 - 4'	30	65	A652	60	
	- 10'	20	20	A653	25	
	- 16'	25	< 20	A654	15	
	- 22'	80	20	A655	35	
	- 28'	70	< 20	A656	25	
	- 34'	65	20	A657	20	
In front of Hospital going N.						
<u>Bore 30</u>	0 - 4'	15	20	A658	20	
	- 10'	15	< 20	A659	40	
	- 16'	15	< 20	A660	40	
	- 22'	10	< 20	A661	60	
	- 28'	20	< 20	A662	160	
	- 34'	10	< 20	A663	15	
	- 40'	45	< 20	A664	35	
<i>brown sand, quartz & sandstone pebbles.</i>						
<u>Bore 31</u>	0 - 4'	10	< 20	A665	15	
	- 10'	10	20	A666	40	
	- 16'	10	20	A667	35	
	- 22'	25	20	A668	20	
	- 28'	35	30	A669	30	
	- 34'	40	30	A670	30	
	- 40'	40	30	A671	25	
	- 46'	40	20	A672	25	
	- 52'	45	25	A673	30	
	- 58'	55	40	A674	40	
	- 64'	35	20	A675	25	
	- 70'	50	30	A676	50	
	- 76'	50	25	A677	25	
	- 82'	50	30	A678	30	
Mudstone and clay with some black slate - water washing sample off						
<u>Bore 32</u>	0 - 4'	30	20	A679	65	
	- 10'	40	25	A680	65	
	- 16'	40	20	A681	40	
	- 22'	45	< 20	A682	25	
	- 28'	70	30	A683	20	
	- 34'	65	25	A684	10	
	- 40'	50	30	A685	20	
Black slate and s.stone	- 44½'	75	< 20	A686	15	

017

GEMCO DRILLING

057018

In front of Hospital moving N.

<u>Bore 33</u>	0 - 4'	64 15	Pb. <20	A687	3 ² 10
	- 10'	20	20	A688	25
	- 16'	20	20	A689	45
	- 22'	15	<20	A690	95
	- 28'	15	<20	A691	15
	- 34'	15	<20	A692	10
	- 40'	15	<20	A693	10
	- 46'	15	<20	A694	10
	- 52'	30	30	A695	20
	- 58'	25	50	A696	25

Dark grey slate

<u>Bore 34</u>	0 - 4'	20	30	A697	35
	- 10'	45	20	A698	50
	- 16'	45	20	A699	35
	- 22'	50	20	A700	40
	- 28'	50	25	A701	35
	- 31'6"	50	35	A702	40

Mudstone and quartz. Too hard to drill further

<u>Bore 35</u>	0 - 4'	25	<20	A703	10
	- 10'	25	30	A704	45
	- 16'	30	20	A705	85
	- 22'	30	20	A706	90
	- 28'	50	25	A707	50
	- 34'	30	25	A708	75
Sandstone	- 51'	40	25	A709	80

<u>Bore 36</u>	0 - 4'	35	25	A710	85
	- 10'	35	<20	A711	10
	- 16'	50	20	A712	70
	- 22'	50	25	A713	60
Dark grey slate	- 28'	30	25	A714	85

<u>Bore 37</u>	0 - 4'	25	<20	A715	10
	- 10'	35	<20	A716	40
	- 16'	50	30	A717	75
	- 22'	45	30	A718	75
	- 28'	70	25	A719	60
	- 34'	50	30	A720	40
	Quartz & Ironstone				

GEMCO DRILLING

057019

018

In area of ironstone on Greens Beach Road moving N.

Bore	Depth	Gr.	Pb.	Sample	zn.
<u>Bore 38</u>	0 - 4'	30	30	A721	10
	- 10'	30	30	A722	10
	- 16'	25	<20	A723	10
	- 22'	30	<20	A724	10
	- 27'6"	35	<20	A725	10

<u>Bore 39</u>	0 - 4'	15	30	A726	20
Auger on rock	- 9'6"	15	20	A727	20

Bore	Depth	Gr.	Pb.	Sample	zn.	Av.
<u>Bore 39A</u>	0 - 4'	15	<20	A728	25	<0.5
	- 10'	25	<20	A729	40	<0.5
	- 16'	25	<20	A730	40	<0.5
	- 22'	25	<20	A731	110	<0.5
	- 28'	15	<20	A732	55	<0.5
	- 34'	30	<20	A733	65	<0.5
	- 40'	60	30	A734	130	<0.5
Sandstone	- 45'	50	25	A735	100	<0.5

<u>Bore 40</u>	0 - 4'	15	20	A736	20
Auger on rock	- 10'	15	<20	A737	15
	- 12'	15	30	A738	15

<u>Bore 40A</u>	0 - 4'	10	25	A739	15
Auger on rock	- 9'6"	10	20	A740	20

Area ironstone deposit Greens Beach Rd.

<u>Bore 41</u>	0 - 4'	15	<20	A741	10
	- 10'	20	20	A742	30
	- 16'	25	25	A743	90
	- 22'	20	30	A744	95
	- 28'	25	30	A745	90
	- 34'	25	20	A746	100

dark grey slate

<u>Bore 42</u>	0 - 4'	25	25	A752	10
	- 10'	40	25	A753	20
	- 16'	15	<20	A754	10
	- 20'	30	<20	A755	10

light yellow clay - sandstone & quartz

<u>Bore 42A</u>	0 - 4'	15	<20	A756	5	<0.5
	- 10'	20	<20	A757	5	<0.5
	- 16'	20	<20	A758	2	<0.5
	- 22'	15	<20	A759	5	<0.5
	- 28'	10	<20	A760	5	<0.5
	- 31'6"	25	<20	A761	10	<0.5

light yellow clay - sandstone & quartz

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GEMCO DRILLING

057020

Gemco Hole opposite comunity Hall, Weld St.

Bore 43

		cu.	Pb		zn.
0 -	4'	25	30	A768	15
-	10'	20	30	A769	15
-	16'	30	420	A770	20
-	22'	20	420	A771	20
-	28'	40	20	A772	15
-	34'			A762	
-	40'			A763	
-	46'			A764	
-	52'			A765	
-	58'			A766	
-	64'			A767	

dark grey clay.



GEMCO DRILLING

Weld Street moving South from Community Hall

		cu.	Pb.		zn.
<u>Bore 44</u>	0 - 4	25	20	A747	15
	- 10	25	20	A748	20
	- 16	65	35	A749	20
	- 22	70	30	A750	20
	- 26	100	40	A751	35

Dark grey slaty clay.

<u>Bore 45</u>	0 - 4	15	<20	A773	15
	- 10	15	<20	A774	15
	- 16	25	<20	A775	100
	- 22	140	35	A776	210
	- 28	40	<20	A777	55
	- 34	40	20	A778	70
Black slate	- 40	70	50	A779	100

<u>Bore 46</u>	0 - 4	15	<20	A780	25
	- 10	10	20	A781	30
	- 16	10	<20	A782	15
	- 22	15	<20	A783	10
	- 28	15	<20	A784	10
	- 34	10	<20	A785	20
	- 40	40	20	A786	30
Black slate	- 46	45	<20	A787	25

<u>Bore 47</u>	0 - 4	30	<20	A788	15
	- 10	25	<20	A789	15
Rockbottom Quartz	- 15	35	20	A790	25

South on Weld Street

<u>Bore 48</u>	0 - 4	20	<20	A791	20
	- 10	15	<20	A792	15
	- 16	20	<20	A793	20
	- 22	25	<20	A794	20
	- 28	50	20	A795	20
	- 34	170	50	A796	30
	- 40	40	30	A797	120
	- 46	50	20	A798	120
	- 52	45	20	A799	75
	- 58	35	<20	A800	70
	- 64	35	<20	A801	40
	- 66	40	<20	A802	40

blue grey mudstone & clay

<u>Bore 49</u>	0 - 4	10	<20	A803	15
	- 10	10	<20	A804	15
	- 16	15	<20	A805	20
	- 22	20	<20	A806	20
	- 28	10	<20	A807	10
	- 34	30	20	A808	15
	- 40	60	<20	A809	60
	- 46	15	<20	A810	35
	- 52	15	<20	A811	40
	- 53	35	20	A812	140

*Dark grey slate
Brown clay & rock*

021

GEMCO DRILLING

057022

Weld Street moving South to Blythe Creek

<u>Bore 50</u>		cu	Pb		zn
0 - 4	10	<20	A813	15	
- 10	10	<20	A814	10	
- 16	25	<20	A815	10	
- 22	45	<20	A816	20	
- 28	15	<20	A817	10	
- 34	25	50	A818	15	
- 40	20	<20	A819	15	

brown clay & mudstone?

<u>Bore 51</u>					
0 - 4	15	<20	A840	55	
- 10	10	<20	A841	45	
- 16	10	<20	A842	10	
- 22	10	<20	A843	15	
- 28	10	<20	A844	15	
- 34	5	<20	A845	60	
- 40	20	<20	A846	30	
- 45	15	20	A847	25	

Brown clay

<u>Bore 52</u>					
0 - 4	5	25	A843 ³²	55	
- 10	10	40	A833	15	
- 16	10	20	A834	15	
- 22	10	20	A835	30	
- 28	10	30	A836	40	
- 34	5	<20	A837	35	
- 40	25	35	A838	110	
- 46	15	<20	A839	60	

Brown clay.

<u>Bore 53</u>					
0 - 4	10	25	A848	30	
- 10	10	20	A849	40	
- 16	35	40	A850	120	
- 22	60	40	A851	190	
- 28	35	<20	A852	100	
- 34	25	<20	A853	90	
- 40	35	50	A854	100	
- 46	40	30	A855	220	
- 52	35	30	A856	140	
- 58	55	110	A857	520	
- 62' 6"	35	55	A858	350	

grey brown clay.

<u>Bore 54</u>					
0 - 4	20	30	A820	30	
- 10	35	30	A821	20	
- 16	25	<20	A822	40	
- 22	55	<20	A823	65	
- 28	50	<20	A824	30	
- 34	40	<20	A825	45	
- 40	45	35	A826	70	
- 46	45	35	A827	75	
- 52	40	20	A828	40	
- 58	30	20	A829	85	
- 64	25	20	A830	65	
- 72	35	40	A831	100	

Brown clay

Blythe Creek Area

<u>Bore 55</u>					
0 - 4	10	30	A859	150	
- 10	5	<20	A860	20	
- 16	10	<20	A861	100	
- 22	55	25	A862	250	
- 28	40	40	A863	200	

Brown clay.

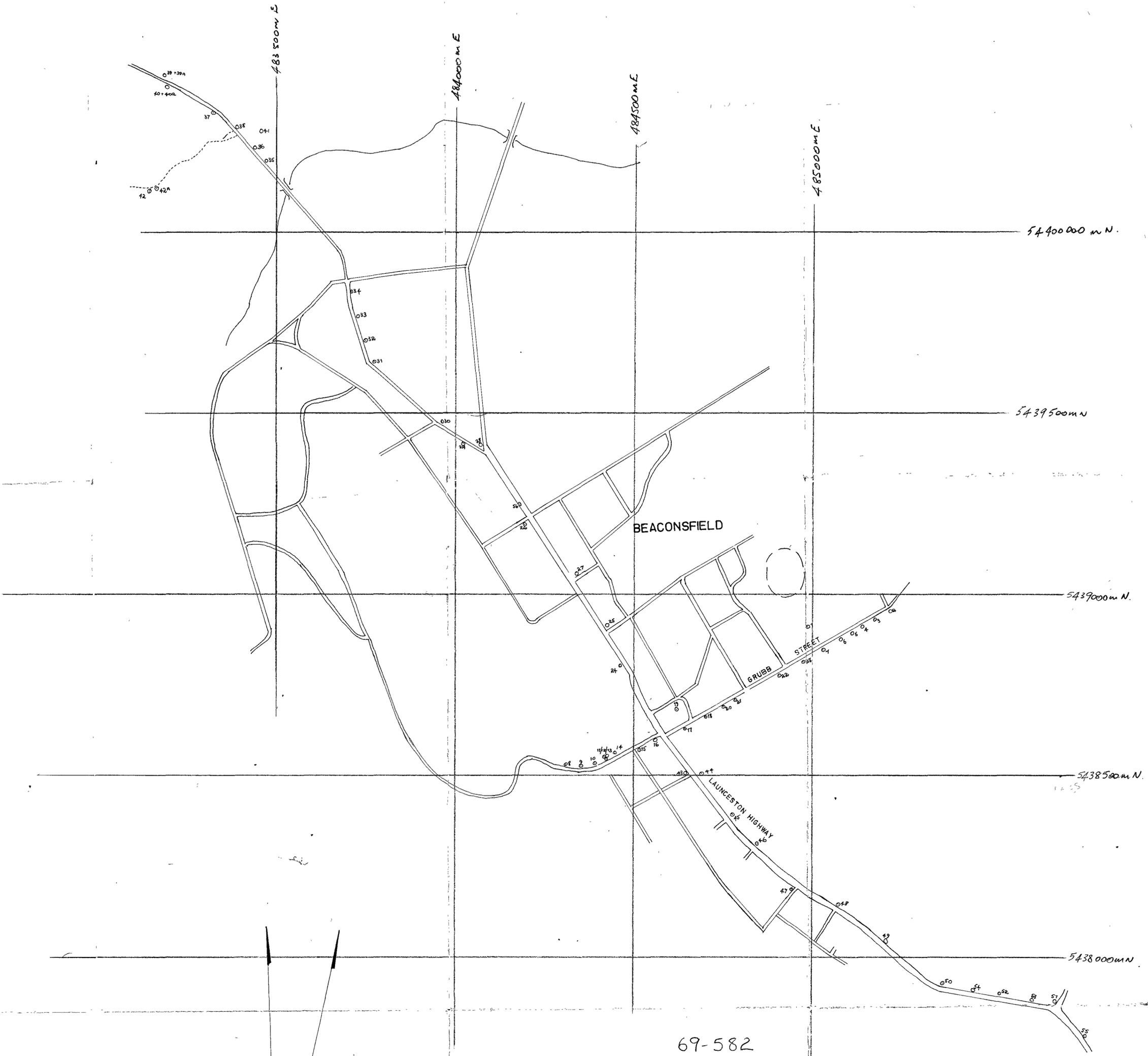
022

GEMCO DRILLING

Outside Ophir Hotel

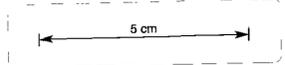
		cu	Pb		Zn.
<u>Bore 56</u>	0 - 4	10	< 20	A864	25
	- 10	25	260	A865	45
	- 16	50	20	A866	26
	- 22	120	35	A867	10
	- 28	110	30	A868	10
					Black slate.

Gemco programme completed 20th September, 1969
at Hole 56.



69-582

ALLSTATE EXPLORATIONS N.L.
 BEACONSFIELD GOLD PROJECT
 GEMCO AUGER DRILL HOLES.



023

057024