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PROPOSED DIAMOND DRILLING
IN THE
FARO MINERALIZED ZONE

-- Submitted to Anvil Mining Corporation,
Limited

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By



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INTRODUCTION

The following proposal lists some 40 diamond drill hole locations recommended to be drilled in the Faro mineralized zone and its approximate extensions. This takes in a variety of situations, and probably should be spread over several years' time. The proposal consists of:

1. Drilling beyond the margins and ends of ore bodies not yet delimited (Nos. 3 and 2). The drilling of these flank holes is worthwhile because it may find an escape of mineralization into nearby deposits now unknown.
2. Drilling geophysical anomalies of moderate intensity on the extensions of the zone. This applies to the Lee area and the area west of the northwest tip of the No. 1 ore body.
3. Drilling weak anomalies that might indicate parallel zones or faulted extensions of ore bodies (northeast of No. 2 ore body).
4. Deepen certain holes that were stopped in ore. Or drill another hole nearby if deepening be not feasible.
5. Perform certain drilling in the Faro adit to check the tenor of No. 1 ore body.

Exploration of areas well away from the Faro zone will be discussed when the results of this year's geological, geophysical, and geochemical investigations become available in the near future.

Two maps accompany this report. Map No. WA-38 is on a scale of 1 inch equals 200 feet and covers the area immediately surrounding Faro ore bodies Nos. 1, 3 and 2 (See the writer's ore reserve report dated October 1967, for a discussion of the nomenclature of these ore deposits). This map shows proposed diamond drill hole locations in and near Faro ore bodies Nos. 1, 3 and 2. New hole locations are shown as blue circles; holes to be deepened or re-drilled nearby) are shown as yellow (or greenish-yellow) circles. Locations marked by brown circles represent proposals based on weak geophysical indications (I.P.), to be discussed during the writer's next visit to the Yukon. All proposed locations are designated by red numbers (beginning with No. 101). These designations are to be used for reference in correspondence, etc. before a hole's coordinates have been issued so all concerned will know at the outset where a new hole is being drilled. The writer recommends that this procedure be followed explicitly.

The other map is No. WA-44 on a scale of 1 inch equals 400 feet. This covers a larger area centered on the Faro ore bodies. The proposed holes shown on this map are outside of and beyond those portrayed on WA-38, with the exception of the proposals southeast and northwest of No. 2 ore body, these being shown on both maps. On WA-44 the ore body shadows are colored red, and the gravity contours appear as green lines.

THE AREAS TO BE DRILLED

The areas proposed for drilling vertical diamond drill holes are discussed in the paragraphs that follow. They are arranged in what the writer believes is their order of favorability for finding additional tonnages of ore, although this subject is one that merits further discussion with the Anvil staff. Two situations appear to be especially favorable: (1) where an existing ore body remains not delimited on its flanks or ends, and (2) extensions or detached areas exhibiting promising geophysical anomalies.

The following areas are recommended for drilling:

1. The area west of the northwest tip of Faro No. 1 ore body. Here the gravimetric anomaly with a closure of 0.5 milligals extends 2,000 feet west of the tip of the ore body as now known. Elsewhere, in part of the No. 3 ore body, for example, some ore is found at a depth of 500 feet below surface where the gravity anomaly is of this strength. The area here recommended has only been tested to 381 feet depth by hole 65-24 at its western tip. Deeper drilling is indicated on the theory that the ore zone reverses its plunge in this area and deepens westerly and that the gravity anomaly is indicative of this. Holes at the following locations, as shown on Map No. WA-44, are proposed:

<u>Location Number</u>	<u>Approx. Depth in Feet</u>
136	600
137	700
138	<u>800</u>
	2,100

The Anvil staff has also recommended that holes be drilled in this area, and this exploration may already have been started.

2. The Lee Area. This area lies about three miles northwest of the northwest tip of Faro No. 1 ore body on the general extension of the zone. It is not shown on the maps accompanying this report. Recent investigations reveal several gravimetric anomalies in Lee ground, one of them with a coinciding I.P. anomaly. It is proposed that the latter be tested first by about 1,500 feet of drilling. It is possible that this work has already been started.

3. The southwest (down-dip) flank of Faro No. 3 ore body has not been delimited. It is proposed that a series of holes be drilled along it, as shown on Map No. WA-38. These locations are the following:

<u>Location Number</u>	<u>Approx. Depth in Feet</u>
101	750
102	650
103	650
* 104	500
* 105	400
106	300
109	550
112	<u>650</u>
* To solve a fault problem	4,450

Should one or more of these holes find ore, then it would be necessary to drill all or some of the following (and perhaps additional) locations:

<u>Location Number</u>	<u>Approx. Depth in Feet</u>
107	400
108	650
110	650
111	<u>750</u>
	2,450

4. The southeast extension of Faro No. 2 ore body. This ore body remains open on its southeast end, and holes are proposed at the following locations shown on Map No. WA-38:

<u>Location Number</u>	<u>Approx. Depth in Feet</u>
123	500
124	600
125	150
126A	250
126B	250
126C	<u>200</u>
	1,950

5. The northwest extension of Faro No. 2 ore body and its southwest flank, as shown on Map No. WA-38.

<u>Location Number</u>	<u>Approx. Depth in Feet</u>
127A	200
127B	300
128	250
129	<u>350</u>
	1,100

6. Gravity anomalies east and northeast of Faro No. 2 ore body. See Map No. WA-44.

The anomaly within which location 139 lies has a closure of 0.6 milligals. The edge of the anomalous area has been tested on the north by Hole 66-D2 (to a depth of 796.5 feet). The anomaly warrants additional testing 550 feet farther south near its center.

The anomaly within which location 140 occurs is weak with a closure of only 0.1 milligals. Because it is not far away from the southeast extension of Faro No. 2 ore body, it deserves drilling.

<u>Location Number</u>	<u>Approx. Depth in Feet</u>
139	800
140	<u>800</u>
	1,600

7. The area northeast of Faro No. 2 ore body. Weak I.P. anomalies are shown on traverse lines 16W, 24W and 32W. Because these lie along the approximate southeast extension of Faro No. 3 ore body it is proposed that the drilling of these locations receive serious discussion. See Map WA-44.

<u>Location Number</u>	<u>Approx. Depth in Feet</u>
141	800
142	800
143	<u>800</u>
	2,400

8. Locations near the northwest tip of Faro No. 1 ore body. Two holes are proposed here to check for deeper horizons of ore. See Map No. WA-38.

<u>Location Number</u>	<u>Approx. Depth in Feet</u>
121	600
122	<u>350</u>
	950

Location 121 was earlier proposed by Mr. Hampton.

9. The northeast (up-dip) flank of Faro No. 3 ore body. Chances may be more limited here, but eventually most of the following locations should be drilled, as shown on Map No. WA-44.38

<u>Location Number</u>	<u>Approx. Depth in Feet</u>
116	750
118	900
119	550
120	<u>700</u>
	2,900

10. The following interior locations within No. 3 ore body should be drilled. See Map No. WA-38.

<u>Location Number</u>	<u>Approx. Depth in Feet</u>
113	750
114	750
115	Deepen 150
117	<u>650</u>
	2,300

11. Certain holes in Faro No. 1 ore body were unavoidably stopped in ore before reaching the bottom of the ore body. Some of these have already been deepened, but old holes at the following locations remain to be drilled to greater depth.

<u>Location Number</u>	<u>D.D. Hole Number</u>	<u>Additional Ft. to Deepen</u>
130	66-24	100
131	66-16	200
132	65-5A	100
133	65-12	150
134	66-30	100
135	66-22A	<u>100</u>
		750

12. Underground drilling is now under way in the Faro adit to check the grade of the surrounding No. 1 ore body. Vertical holes are being drilled both up and down from regularly spaced stations. Inasmuch as the adit does not follow along any one ore reserve and drill hole section, a precise check is difficult to obtain by this procedure. Therefore, it is recommended that flat holes be drilled from the adit to follow along Section 9, on which fall diamond drill holes 66-20, 65-11, 66-32, 66-24, 66-38 and 66-36. See Map No. WA-44 on which Section 9 is marked by a black line.

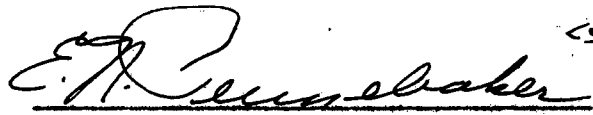
The writer has been informed that the drill now being used in the Faro adit is not suitable for drilling flat holes. The contractor should be instructed to bring in suitable equipment because this flat-hole drilling is important.

DISCUSSION

The foregoing program of surface drilling amounts to about 24,500 feet. This is an approximate figure because where an interior flank hole is unsuccessful, the outer flank hole need not be drilled. On the other hand, where a hole cannot be deepened, a new hole will

need to be drilled nearby.

To date the Faro is the major zone of mineralization found in the Ross River mining district, and it still has not been delimited. It is important to do so in order to have full information on hand on which to base future plans. For example, the Faro No. 1 ore body becomes richer toward the northwest. Drilling northwesterly beyond this deposit will reveal if this enrichment progresses still farther toward the northwest.


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