

GENERAL ENGINEERING COMPANY LIMITED
MEMORANDUM

Vangorda
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To: E. Futterer
R. M. P. Hamilton

Date: June 18, 1964.

From: H. H. Merritt

020705

Subject: VANGORDA MINES ORE SAMPLES - Determination of Specific Gravity

Two samples of diamond drill cores which appeared to be typical of this ore as described in the diamond drill logs were taken to the University of Toronto for determination of specific gravity.

The determinations were supervised by Dr. Pidgeon, and B. Vincienne, and carried out by Peter Strangway of the Department of Metallurgy.

Results were as follows:-

Specific Gravity Determination:

Sample #1

$\frac{1}{2}$ cylinder of drill core approximately
 $2\frac{1}{4}$ " diameter x $2\frac{1}{2}$ " long

Weight Dry	-	303.3 gm.
Weight in Water	-	<u>232.4 gm.</u>
Difference		70.9 gm.

Specific Gravity - $303.3/70.9 = 4.28$

Sample #2

$\frac{1}{2}$ cylinder of drill core approximately
 $1\frac{1}{4}$ " diameter x $1\frac{3}{4}$ " long

Weight Dry	-	64.30 gm.
Weight in Water	-	<u>49.76 gm.</u>
Difference		14.54 gm.

Specific Gravity - $64.30/14.54 = 4.42$

H. H. Merritt

HHM:lp

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