

MAR 9/90

007112

GREG JILSON

1) WHAT IS S.G. OF

1) SULPHIDE WST - FROM S PHASE  
- FROM E "

↓  
=  
=

2) MASSIVE SULPHIDE ~~WST~~ - ~~S/PW~~ <  
- E/PH =

3) AVG SULPHIDE WST.

4) TILL = 20

2) MEMO REPORT ON WM HILL ? ✓  
~~REGINA.~~

3) FARD DAM  
- ? TAILINGS VOLUME CONCEPTUAL ✓

GODFREY McDONALD \*

SULPHIDE WST ~~AVG~~ SG = 3.5

COUNTRY RX AVG SG = 2.69

~~YD~~  $YD \times 0.764554 = M^3$

$$LD \cdot S.G. \text{ SAMPLE} = (X \cdot SG_W) + (Y \cdot SG_{SW})$$

X = % WST  
Y = % SULPHIDE WST

~~SG<sub>W</sub>~~ = 2.69

SG<sub>SW</sub> = 3.5 AVG CHECK  
G.J.

TO GET SG. SAMPLE OF 2.25 <sup>c</sup>/DCY

ACTUAL SG <sub>SAMPLE</sub> = 2.94

$$X + Y = 1.0$$

$$Y = (1.0 - X)$$

$$2.94 = (X \cdot 2.69) + [(1.0 - X) \cdot 3.5]$$

$$2.94 = 2.69X + 3.5 - 3.5X$$

$$-0.56 = -0.81X$$

$$X = 0.69$$

$\therefore$  % WST RX = 69%  
% ~~WST~~ SULPHIDE = 31%

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IF SULPHIDE WST WAS = 4.0

$$2.94 = 2.69X + 4.0 - 4X$$

$$-1.06 = -1.31X$$

$$X = 0.81$$

$\therefore$  % SULPHIDE INCLUDED = 19%  
% WST = 81%