

000548

CURRAGH RESOURCES
INTER-OFFICE MEMORANDUM
FARO MINE SITE

DATE: March 12, 1991

TO: Wm. W. Dunn
Chief Engineer

FROM: Dave Tenney
Chief Geologist

SUBJECT: BLASTHOLE - VS - MILL SPECIFIC GRAVITIES

Blasthole specific gravities for the period January 1/91 to February 9/91 were compared with measured millhead densities. Average density for blasthole estimated millfeed was 4.14, whilst actual measured density was 4.01. If phyllite is assumed to have a density of 2.8 this represents a dilution with phyllite of about 10%. This clearly is not happening, as the observed phyllite waste in the mill head composite is lower than this. In fact, total "waste" recorded is generally under 5% (Note: (1) "waste" does not include any quartzite or sulphide rich rocks, only phyllite, intrusive, breccia and vein quartz (2) the calculation is sensitive to small errors in density determination).

Densities are strongly related to the iron content of the ore.

D. Tenney
Dave Tenney
Chief Geologist

DT:cc

cc: G. Wilson

*Done to this on attempt to measure dilution?
Conclusion?
4.14 - 4.01 = 3.1%
4.14
Is Blasthole density overstated?
What's the significance of the densities?*