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MINE MODEL AND BLAST HOLESVOLUME COMPARISONFOR BENCHES 3830 AND 3810INTRODUCTION:

Bench 3830 and 3810 are now completely drilled and blasted and comparisons can be made between volumes and grades predicted by the "Mine Model" and volumes and grades obtained from the blast holes.

The following table summarizes the results for the two benches:

	<u>BENCH 3830</u>				
	<u>BCY</u>	<u>Tons</u>	<u>Pb</u>	<u>Zn</u>	<u>Ag g/mt</u>
Blast Holes	188,200	527,000 SG: 2.8	2.99	4.49	50.90
Mine Model (Grades - 5%)	216,369	671,341	3.00	4.43	42.76
Variance Blasthole vs. Model	-13%	-21%	0	+1%	+19%
	<u>BENCH 3810</u>				
Blast Holes	270,429	757,200 SG: 2.8	2.96	4.36	46.63
Mine Model (Grades - 5%)	277,975	863,609	3.20	4.85	47.60
Variance Blasthole vs. Model	-3%	-12%	-8%	-10%	-2%

COMMENTS:

3830 Bench:

Volume and tonnage variances are quite high. However, the grades are better than what was predicted by the model. Tonnage variances are probably related to a poor knowledge of the specific gravity, but volume variances are certainly related to an over-estimation by the model.

3810 Bench:

For this bench, volumes are quite comparable and differences in tonnages are certainly related to the specific gravity variations.

The grades defined by the blastholes are about 10% lower than what was expected.

Overall, for Benches 3830 and 3810, it appears that volumes predicted by the model are slightly higher than what is actually found in the pit from blasthole analysis. However, the tonnage estimations are really different and the specific gravity should be adjusted either in the model or in the blasthole tonnage calculation.

From the results obtained after seven months of mining in Zone 2, tonnage crushed in the mill is only 6% lower than tonnage estimated from blast holes. Blasthole tonnage is, therefore, comparable to what is actually weighted.

If the tonnages given by the mill measurement are reliable, the tonnages predicted by the model are too high and the specific gravity should be lowered in the model, and, from a quick calculation, it seems that an overall specific gravity of 2.8 is realistic.

FG/mm

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