

Pit Ore Reserves
Vangorda

007149

SURFACE RESERVES

(As of January 1, 1990)

FARO

Tonnes

Waste	=	8,688,855
Ore +6% Pb + Zn at 8.60%	=	6,322,153
Ore 5%..6% Pb + Zn at 5.49%	=	1,562,904
Ore 3%..5% Pb + Zn at 4.05%	=	3,522,033
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Total Ore Pb + Zn at 6.77%	=	11,407,090

VANGORDA

Waste	=	15,241,840
Ore +6% Pb + Zn at 8.91%	=	5,809,713
Ore 5%..6% Pb + Zn at 4.98%	=	410,019
Ore 3%..5% Pb + Zn at 3.58%	=	907,097
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Total Ore Pb + Zn at 8.01%	=	7,126,830

GRUM

Waste	=	172,705,340
Ore +6% Pb + Zn at 9.55%	=	18,252,930
Ore 5%..6% Pb + Zn at 5.03%	=	2,709,908
Ore 3%..5% Pb + Zn at 3.74%	=	5,180,553
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Total Ore Pb + Zn at 7.93%	=	26,143,290

TOTAL SURFACE RESERVES

Waste	=	196,636,035
Ore +6% Pb + Zn at 9.23%	=	30,384,796
Ore 5%..6% Pb + Zn at 5.18%	=	4,682,831
Ore 3%..5% Pb + Zn at 3.84%	=	9,609,683
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Total Ore Pb + Zn at 7.65%	=	44,677,310

STRIPPING RATIOS (Tonnes Waste % Tonnes Ore)

Faro	0.76
Vangorda	2.14
Grum	6.61
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All Pits	4.40