

003287

TO: DENIS GREGOIRE

DATE: SEPT 25, 1984

FROM: DICK HOGAN

DENIS,

PLEASE FIND ATTACHED THE REQUESTED ORE GRADES BY BENCH BY PHASE BY CUTOFF FROM 2.5% TO 5.0% COMBINED GRADE FOR LEAD (Pb), ZINC (Zn) AND SILVER (Ag).

THE GRADES ARE BASED ON THE 1981 PIT DESIGN AND THE FARO F3 COMPUTER MINE MODEL.

ALSO PLEASE FIND ATTACHED THE GRADES SHOWING A 5% REDUCTION FOR ALL PHASES AS PER JOHN PURKIS'S MEMO TO JOHN CARRINGTON DATED NOVEMBER 19, 1982 TITLED "OFFICIAL JANUARY 1, 1983 ORE RESERVES - FARO DEPOSIT".

THE ABOVE MENTIONED "5% REDUCTION OF ALL GRADES SHOWN IN THE F3 FARO COMPUTER MODEL" WAS BASED ON PROJECTED DILUTIONS FROM PREVIOUS PRODUCTION EXPERIENCE FOR THE DESIGNED PHASES.

Richard Hogan

DICK HOGAN
SENIOR MINE ENGINEER

A. ORIGINAL F3 FARO MINE MODEL GRADES PRODUCED FROM CAMC'S MINTEC/CSC MINE MODELLING SYSTEM.

CUTOFF GRADES : 2.5 %
(COMBINED Pb+Zn) 3.0 %
3.5 %
4.0 %
4.5 %
5.0 %

PHASE NA

BENCH #	<u>2.5 %</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3910	Pb = 3.2 Zn = 3.8 Ag = 43.7	3.2 3.8 43.7	3.2 3.8 43.7	3.6 4.1 47.0	3.6 4.1 47.0	3.6 4.1 47.0
3890	Pb = 3.1 Zn = 4.1 Ag = 45.6	3.1 4.1 45.6	3.2 4.2 46.5	3.2 4.2 46.5	3.2 4.2 46.5	3.3 4.3 47.8
3870	Pb = 3.7 Zn = 5.0 Ag = 51.1	3.7 5.0 51.1	3.7 5.0 51.1	3.7 5.0 51.1	3.7 5.0 51.1	3.7 5.0 51.1
3850	Pb = 2.3 Zn = 4.1 Ag = 36.7	2.5 4.2 37.0	2.6 4.3 37.6	2.6 4.4 37.9	2.7 4.6 38.9	3.0 5.2 42.0
3830	Pb = 1.9 Zn = 3.3 Ag = 32.4	2.0 3.4 33.4	2.0 3.5 34.2	2.0 3.5 34.2	2.2 3.9 36.6	2.2 4.0 37.1
3810	Pb = 2.1 Zn = 3.3 Ag = 31.8	2.2 3.4 32.4	2.4 3.6 34.1	2.5 3.8 35.0	2.6 3.9 35.2	2.6 4.0 35.0
3790	Pb = 3.2 Zn = 4.7 Ag = 49.0	3.2 4.7 49.0	3.2 4.7 49.0	3.2 4.7 49.0	3.2 4.8 49.4	3.3 4.9 50.0
3770	Pb = 2.5 Zn = 4.1 Ag = 38.7	2.7 4.3 40.3	2.9 4.6 42.2	3.1 4.8 44.0	3.3 5.1 45.7	3.5 5.4 47.1
3750	Pb = 2.3 Zn = 3.8 Ag = 37.4	2.3 3.8 37.4	2.4 3.9 36.9	2.5 4.2 38.2	2.8 4.6 38.9	2.9 4.8 39.0
3730	Pb = 2.0 Zn = 3.3 Ag = 21.2	2.1 3.4 20.9	2.1 3.5 20.4	2.2 3.6 20.2	2.3 3.8 20.2	2.4 3.9 20.5

PHASE NA (CONTINUED)

BENCH #	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3710	Pb = 2.0 Zn = 3.6 Ag = 30.7	2.0 3.6 30.7	2.0 3.6 30.7	2.0 3.7 30.6	2.1 3.8 30.5	2.1 3.9 30.2
3690	Pb = 2.2 Zn = 4.0 Ag = 35.3	2.2 4.0 35.3	2.3 4.2 37.1	2.3 4.2 37.1	2.3 4.2 37.1	2.5 4.6 40.6
3670	Pb = 1.4 Zn = 3.0 Ag = 22.7	1.6 3.3 22.6	1.6 3.3 22.6	1.6 3.3 22.6	1.7 3.6 23.5	1.7 3.8 25.0
All BENCHES	Pb = 2.5 Zn = 3.9 Ag = 38.6	2.6 4.0 39.0	2.7 4.1 39.6	2.7 4.2 40.3	2.9 4.4 41.3	3.0 4.6 42.3

PHASE OA

BENCH #	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3910	Pb Zn (NO ORE) Ag	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)
3890	Pb Zn (NO ORE) Ag	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)
3870	Pb Zn (NO ORE) Ag	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)
3850	Pb Zn (NO ORE) Ag	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)
3830	Pb Zn (NO ORE) Ag	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)
3810	Pb Zn (NO ORE) Ag	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)
3790	Pb = 3.1 Zn = 4.3 Ag = 39.0	3.1 4.3 39.0	3.1 4.3 39.0	3.1 4.3 39.0	3.1 4.3 39.0	3.1 4.3 39.0
3770	Pb = 2.8 Zn = 5.0 Ag = 31.2	2.8 5.0 31.2	2.8 5.0 31.2	2.8 5.0 31.2	2.8 5.0 31.2	2.8 5.0 31.2
3750	Pb = 2.8 Zn = 3.1 Ag = 44.8	3.0 3.4 44.9	3.3 4.0 45.3	3.4 4.2 45.3	3.5 4.4 45.4	3.6 4.6 45.4

PHASE OA (CONTINUED)

BENCH #	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3730	Pb = 2.6 Zn = 3.8 Ag = 38.5	2.7 3.9 38.7	2.8 4.3 38.5	2.9 4.4 38.4	2.9 4.4 38.4	2.9 4.6 38.3
3710	Pb = 2.5 Zn = 3.6 Ag = 35.7	2.6 3.7 36.2	2.6 3.7 36.2	2.6 3.7 36.2	2.6 3.8 36.5	2.6 4.0 36.4
3690	Pb = 2.0 Zn = 3.0 Ag = 29.0	2.0 3.1 29.1	2.1 3.4 30.4	2.2 3.6 31.0	2.2 3.8 30.7	2.3 4.3 30.8
3670	Pb = 2.1 Zn = 3.4 Ag = 29.0	2.1 3.6 29.0	2.1 3.4 29.0	2.1 3.4 29.0	2.2 3.6 29.5	2.3 3.9 31.1
3650	Pb = 2.8 Zn = 3.8 Ag = 32.2	2.8 3.8 32.2	2.9 3.9 32.2	2.9 3.9 32.3	2.9 3.9 32.3	2.9 4.0 32.5
3630	Pb = 2.6 Zn = 3.5 Ag = 32.2	2.6 3.5 32.2	2.6 3.5 32.2	2.7 3.7 32.5	2.8 3.7 33.4	2.9 4.0 34.4
ALL BENCHES	Pb = 2.4 Zn = 3.5 Ag = 33.4	2.5 3.6 33.4	2.5 3.7 33.5	2.6 3.8 33.7	2.6 3.9 34.0	2.7 4.2 34.7

PHASE PA

BENCH #	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3910	Pb= Zn= (NO ORE) Ag= (ORE)	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)
3890	Pb= Zn= (NO ORE) Ag= (ORE)	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)
3870	Pb= Zn= (NO ORE) Ag= (ORE)	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)
3850	Pb= Zn= (NO ORE) Ag= (ORE)	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)
3830	Pb= Zn= (NO ORE) Ag= (ORE)	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)
3810	Pb= Zn= (NO ORE) Ag= (ORE)	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)
3790	Pb= Zn= (NO ORE) Ag= (ORE)	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)
3770	Pb= Zn= (NO ORE) Ag= (ORE)	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)
3750	Pb= Zn= (NO ORE) Ag= (ORE)	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)

PHASE PA (CONTINUED)

BENCH #	<u>2.5 %</u>	<u>3.0 %</u>	<u>3.5 %</u>	<u>4.0 %</u>	<u>4.5 %</u>	<u>5.0 %</u>
3730	Pb = Zn = (NO) Ag = (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3710	Pb = Zn = (NO) Ag = (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3690	Pb = 1.8 Zn = 3.2 Ag = 28.1	1.8 3.2 28.1	1.9 3.5 29.6	2.1 3.9 31.4	2.2 4.0 32.0	2.6 4.8 36.0
3670	Pb = 1.2 Zn = 3.5 Ag = 21.9	1.2 3.5 21.9	1.2 3.5 21.9	1.2 3.5 21.9	1.2 3.6 22.3	3.2 4.3 42.0
3650	Pb = 2.3 Zn = 3.7 Ag = 26.0	2.5 4.0 27.5	2.6 4.1 27.3	2.6 4.2 27.6	2.7 4.3 28.1	2.9 4.6 29.8
3630	Pb = 1.9 Zn = 2.7 Ag = 22.2	1.9 2.7 22.4	2.0 2.8 22.9	2.2 3.0 26.1	2.4 3.2 26.8	2.5 3.6 24.9
3610	Pb = 3.3 Zn = 5.6 Ag = 39.2	3.3 5.6 39.2	3.3 5.6 39.2	3.3 5.6 39.2	3.3 5.6 39.2	3.3 5.7 39.6
3590	Pb = 3.4 Zn = 5.3 Ag = 41.3	3.5 5.4 42.1	3.5 5.4 42.1	3.5 5.4 42.1	3.6 5.6 43.3	3.7 5.7 44.2
3570	Pb = 2.5 Zn = 3.8 Ag = 32.8	2.5 3.8 32.8	2.6 4.1 33.2	2.6 4.1 33.2	2.8 4.6 34.2	2.8 4.6 34.3

PHASE PA (CONTINUED)

BENCH#	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3550	Pb = 2.3 Zn = 4.0 Ag = 26.6	2.3 4.0 26.6	2.3 4.1 26.9	2.4 4.3 27.4	2.5 4.3 27.6	2.5 4.3 27.6
All BENCHES	Pb = 2.7 Zn = 4.4 Ag = 32.8	2.7 4.4 33.2	2.8 4.6 33.7	2.9 4.7 34.8	3.0 4.9 35.7	3.1 5.1 36.8

PHASE 7C

BENCH #	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3910	Pb = Zn = (NO) Ag = (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3890	Pb = Zn = (NO) Ag = (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3870	Pb = Zn = (NO) Ag = (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3850	Pb = Zn = (NO) Ag = (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3830	Pb = Zn = (NO) Ag = (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3810	Pb = Zn = (NO) Ag = (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3790	Pb = Zn = (NO) Ag = (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3770	Pb = Zn = (NO) Ag = (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3750	Pb = Zn = (NO) Ag = (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)

PHASE 7C (CONTINUED)

BENCH #	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3730	Pb = 4.7 Zn = 5.2 Ag = 66.7	4.7 5.2 66.7	4.7 5.2 66.7	4.7 5.2 66.7	4.7 5.2 66.7	4.7 5.2 66.7
3710	Pb = 3.5 Zn = 4.7 Ag = 48.6	3.5 4.7 48.6	3.5 4.7 48.6	3.5 4.7 48.6	3.5 4.7 48.6	3.5 4.7 48.6
3690	Pb = 2.4 Zn = 4.5 Ag = 30.8	2.4 4.5 30.8	2.4 4.5 30.8	2.5 4.8 32.7	2.6 5.1 33.9	2.7 5.2 34.7
3670	Pb = 2.1 Zn = 3.5 Ag = 28.5	2.3 3.7 30.1	2.6 4.0 31.6	3.3 4.7 37.2	3.5 4.9 39.5	3.9 5.1 42.3
3650	Pb = 1.9 Zn = 2.5 Ag = 27.4	2.0 2.6 28.5	2.3 2.9 31.6	2.5 3.2 34.0	2.7 3.4 35.8	3.0 3.7 33.4
3630	Pb = 2.2 Zn = 3.4 Ag = 23.1	2.2 3.5 23.6	2.3 3.6 24.0	2.7 3.9 27.1	2.8 4.2 30.5	3.0 4.4 33.0
3610	Pb = 3.3 Zn = 5.7 Ag = 30.7	3.4 5.8 31.2	3.4 5.8 31.2	3.4 5.8 31.2	3.4 5.8 31.2	3.4 5.9 31.1
3590	Pb = 2.6 Zn = 5.1 Ag = 18.3	2.6 5.1 18.3	2.7 5.4 17.2	2.7 5.6 16.4	2.7 5.8 15.5	2.8 6.0 14.8
3570	Pb = 2.3 Zn = 4.1 Ag = 26.5	2.5 4.4 28.8	2.9 5.2 34.0	2.9 5.2 34.1	3.0 5.5 35.9	3.3 5.8 39.8

PHASE 7C (CONTINUED)

BENCH #	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3550	Pb = 2.7 Zn = 4.6 Ag = 28.3	2.8 4.7 29.5	3.1 5.1 33.1	3.3 5.3 35.1	3.3 5.3 35.1	3.5 5.4 36.6
ALL BENCHES	Pb = 2.5 Zn = 4.1 Ag = 29.5	2.6 4.3 30.3	2.8 4.5 31.5	3.0 4.8 33.3	3.1 5.0 34.4	3.2 5.2 35.3

PHASE U1A

BENCH #	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3890	Pb= Zn = (NO) Ag = (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3870	Pb= Zn = (NO) Ag = (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3850	Pb= Zn = (NO) Ag = (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3830	Pb= Zn = (NO) Ag = (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3810	Pb= Zn = (NO) Ag = (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3790	Pb= Zn = (NO) Ag = (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3770	Pb= Zn = (NO) Ag = (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3750	Pb= Zn = (NO) Ag = (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3730	Pb= Ag = (NO) Zn = (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)

PHASE IIA (CONTINUED)

BENCH #	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3710	Pb = Zn = (NO) Ag = (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3690	Pb = 1.8 Zn = 2.6 Ag = 21.4	1.8 2.6 21.4	1.8 2.6 21.4	1.8 3.0 24.0	2.0 3.3 26.6	2.0 3.5 27.5
3670	Pb = 1.0 Zn = 1.8 Ag = 13.5	1.0 2.1 16.0	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3650	Pb = 1.6 Zn = 2.8 Ag = 21.6	1.6 2.9 21.3	1.8 3.4 21.6	2.2 3.8 26.4	2.6 4.1 31.2	3.0 4.3 35.5
3630	Pb = 1.7 Zn = 3.4 Ag = 17.6	1.7 3.4 17.6	1.8 3.5 18.3	2.0 3.9 21.2	2.3 4.2 24.8	2.7 4.5 28.7
3610	Pb = 2.2 Zn = 3.8 Ag = 22.5	2.2 3.8 22.8	2.3 3.9 23.1	2.3 4.0 24.1	2.5 4.1 25.4	2.5 4.1 25.1
3590	Pb = 2.0 Zn = 3.5 Ag = 20.3	2.0 3.6 20.7	2.2 3.9 21.3	2.3 4.1 21.1	2.3 4.2 20.5	2.3 4.4 20.4
3570	Pb = 2.1 Zn = 3.1 Ag = 24.3	2.3 3.4 26.6	2.6 3.7 29.3	2.8 4.0 31.4	2.9 4.2 32.9	3.0 4.4 33.9
3550	Pb = 2.3 Zn = 3.5 Ag = 29.3	2.4 3.7 30.5	2.6 3.8 32.6	2.7 4.0 34.1	2.8 4.2 36.1	2.9 4.4 37.6

PHASE UA (CONTINUED)

BENCH #	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3530	Pb= 2.7 Zn= 4.1 Ag= 34.6	2.8 4.1 35.0	2.8 4.2 35.4	2.9 4.3 36.0	3.0 4.5 37.0	3.1 4.7 37.9
3510	Pb= 3.0 Zn= 4.2 Ag= 34.9	3.1 4.2 35.4	3.2 4.4 36.5	3.3 4.6 37.7	3.4 4.7 38.6	3.5 4.8 39.6
3490	Pb= 2.6 Zn= 3.4 Ag= 35.3	2.8 3.6 37.3	3.0 3.9 39.9	3.3 4.3 43.5	3.6 4.6 46.2	3.9 5.1 50.0
3470	Pb= 2.5 Zn= 3.6 Ag= 35.8	2.5 3.6 35.8	2.6 3.7 37.0	2.8 3.9 38.8	3.0 4.2 41.2	3.2 4.4 43.3
3450	Pb= 2.8 Zn= 4.3 Ag= 35.7	2.8 4.3 35.7	2.8 4.3 35.7	2.9 4.3 35.9	2.9 4.4 36.1	3.0 4.6 37.8
3430	Pb= 3.0 Zn= 4.8 Ag= 33.3	3.1 4.8 33.4	3.1 4.8 33.4	3.1 4.9 33.9	3.3 5.1 34.9	3.5 5.3 36.5
ALL BENCHES	Pb= 2.6 Zn= 3.8 Ag= 31.7	2.7 3.9 32.6	2.8 4.1 33.8	2.9 4.3 35.3	3.0 4.5 36.6	3.2 4.7 38.0

PHASE WA

BENCH #	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3910	Pb= Zn=(NO) Ag=(ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3890	Pb= Zn=(NO) Ag=(ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3870	Pb= Zn=(NO) Ag=(ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3850	Pb= Zn=(NO) Ag=(ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3830	Pb= Zn=(NO) Ag=(ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3810	Pb= Zn=(NO) Ag=(ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3790	Pb= Zn=(NO) Ag=(ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3770	Pb= Zn=(NO) Ag=(ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3750	Pb= Zn=(NO) Ag=(ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)

PHASE WA

BENCH #	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3730	Pb = Zn = (NO) Ag = (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3710	Pb = 2.0 Zn = 3.6 Ag = 31.0	2.0 3.6 31.0	2.0 3.6 31.0	2.0 3.6 31.0	2.0 3.6 31.0	2.0 3.6 31.0
3690	Pb = 1.9 Zn = 3.5 Ag = 31.7	1.9 3.5 31.7	1.9 3.5 31.7	1.9 3.5 31.7	1.9 3.5 31.7	1.9 3.6 32.3
3670	Pb = 1.6 Zn = 2.6 Ag = 29.7	2.1 3.2 33.5	2.4 3.5 35.6	2.4 3.5 35.6	2.9 3.9 38.6	2.9 3.9 38.6
3650	Pb = 2.5 Zn = 4.3 Ag = 33.5	2.5 4.3 33.5	2.5 4.3 33.5	2.5 4.3 33.5	2.5 4.3 33.5	2.5 4.3 33.5
3630	Pb = 2.1 Zn = 2.6 Ag = 37.1	2.1 2.6 37.1	2.2 2.6 37.8	2.3 2.8 39.6	2.4 2.9 41.2	2.5 3.1 41.8
3610	Pb = 3.0 Zn = 4.2 Ag = 44.7	3.0 4.3 45.0	3.0 4.3 45.0	3.0 4.3 45.0	3.0 4.3 45.0	3.0 4.3 45.0
3590	Pb = 2.8 Zn = 4.2 Ag = 38.2	2.8 4.2 38.2	2.8 4.2 38.5	2.9 4.4 39.2	2.9 4.4 39.2	3.0 4.4 39.2
3570	Pb = 4.0 Zn = 5.1 Ag = 51.7	4.0 5.1 51.7	4.0 5.1 51.7	4.0 5.1 51.7	4.0 5.1 51.7	4.0 5.1 51.7

PHASE WA

<u>BENCH #</u>	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3550	Pb= 3.1 Zn= 3.9 Ag= 44.5	3.1 3.9 44.5	3.1 4.0 44.5	3.1 3.9 44.5	3.1 4.0 44.6	3.1 4.0 44.8
3530	Pb= 3.7 Zn= 4.5 Ag= 51.6	3.7 4.5 51.6	3.7 4.5 51.6	3.7 4.6 51.8	3.7 4.6 51.9	3.7 4.6 52.2
3510	Pb= 4.0 Zn= 5.3 Ag= 53.7	4.0 5.3 53.7	4.0 5.3 53.7	4.0 5.3 53.9	4.0 5.3 53.9	4.0 5.3 53.9
3490	Pb= 3.2 Zn= 4.7 Ag= 40.4	3.2 4.8 40.6	3.2 4.8 40.8	3.2 4.8 41.2	3.3 4.9 41.7	3.3 5.0 42.2
3470	Pb= 3.4 Zn= 5.0 Ag= 42.6	3.4 5.0 42.9	3.4 5.0 43.1	3.5 5.0 43.5	3.5 5.1 44.0	3.5 5.1 44.3
3450	Pb= 3.1 Zn= 4.6 Ag= 35.8	3.1 4.6 35.8	3.1 4.6 35.9	3.1 4.6 36.0	3.2 4.8 36.5	3.3 5.0 36.8
3430	Pb= 2.9 Zn= 4.5 Ag= 33.0	2.9 4.5 33.2	3.0 4.5 33.4	3.0 4.6 33.5	3.0 4.6 33.6	3.0 4.6 33.7
ALL BENCHES	Pb= 3.3 Zn= 4.7 Ag= 42.6	3.3 4.7 42.8	3.3 4.7 42.9	3.4 4.8 43.2	3.4 4.8 43.6	3.4 4.9 43.9

PHASE YA

BENCH #	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3790	Pb= Zn=(NO) Ag=(ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3770	Pb= Zn=(NO) Ag=(ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3750	Pb= Zn=(NO) Ag=(ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3730	Pb= Zn=(NO) Ag=(ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3710	Pb= Zn=(NO) Ag=(ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3690	Pb= Zn=(NO) Ag=(ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3670	Pb= Zn=(NO) Ag=(ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3650	Pb= Zn=(NO) Ag=(ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3630	Pb= Zn=(NO) Ag=(ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)

PHASE YA

BENCH #	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3610	Pb= Zn=(No) Ag=(ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3590	Pb= Zn=(No) Ag=(ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3570	Pb= Zn=(No) Ag=(ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)	(NO) (ORE)
3550	Pb= 2.3 Zn= 4.0 Ag= 37.0	2.3 4.0 37.0	2.3 4.0 37.0	2.3 4.0 37.0	2.3 4.0 37.0	2.3 4.0 37.0
3530	Pb= 2.8 Zn= 4.8 Ag= 38.0	2.8 4.8 38.0	2.8 4.8 38.0	2.8 4.8 38.0	2.8 4.8 38.0	2.8 4.8 38.0
3510	Pb= 1.9 Zn= 3.1 Ag= 21.3	2.2 3.5 23.5	2.3 3.6 24.4	2.2 3.8 18.5	2.5 3.9 26.2	2.8 4.1 29.6
3490	Pb= 3.6 Zn= 5.6 Ag= 45.0	3.6 5.6 45.0	3.6 5.6 45.0	3.6 5.6 45.0	3.6 5.6 45.3	3.6 5.6 45.3
3470	Pb= 3.6 Zn= 5.3 Ag= 48.2	3.6 5.3 48.2	3.6 5.3 48.2	3.7 5.4 48.7	3.7 5.4 48.7	3.8 5.5 48.5
3450	Pb= 3.3 Zn= 4.9 Ag= 39.0	3.3 4.9 39.0	3.3 4.9 39.0	3.4 5.0 39.7	3.5 5.1 40.0	3.6 5.2 40.6

PHASE YA

BENCH #	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3430	Pb = 3.7 Zn = 5.5 Ag = 43.7	3.7 5.5 43.9	3.7 5.6 44.1	3.8 5.7 44.4	3.8 5.7 44.7	3.9 5.8 45.2
3410	Pb = 2.5 Zn = 4.1 Ag = 28.9	2.5 4.1 28.9	2.5 4.1 29.0	2.6 4.1 29.1	2.6 4.2 29.4	2.7 4.4 30.1
3390	Pb = 2.5 Zn = 4.1 Ag = 28.7	2.5 4.2 28.9	2.6 4.2 29.0	2.7 4.3 29.5	2.7 4.4 29.8	2.8 4.5 29.8
3370	Pb = 2.5 Zn = 4.4 Ag = 23.9	2.5 4.4 24.0	2.5 4.4 24.0	2.5 4.4 24.0	2.6 4.5 23.9	2.6 4.6 23.8
3350	Pb = 2.2 Zn = 4.8 Ag = 27.6	2.2 4.8 27.6	2.2 4.8 27.6	2.3 4.9 27.6	2.3 5.0 27.7	2.4 5.2 28.0
3330	Pb = 1.9 Zn = 3.9 Ag = 29.1	1.9 3.9 29.1	1.9 4.0 28.2	2.0 4.2 27.8	2.2 4.5 28.4	2.3 4.7 28.0
ALL BENCHES	Pb = 2.7 Zn = 4.5 Ag = 32.4	2.8 4.5 32.5	2.8 4.5 32.6	2.8 4.6 32.9	2.9 4.7 33.3	3.0 4.8 33.7

B. ADJUSTED GRADES (-5%) FOR LEAD, ZINC, AND SILVER AS PER JOHN PURKIS'S NOVEMBER, 1982 MEMO.

CALCULATION METHOD:

$$\left(\begin{array}{l} \text{ORIGINAL GRADES} \\ \text{AS PER F3 FARO} \\ \text{MODEL} \end{array} \right) \times 0.95 = \text{ADJUSTED GRADES}$$

CUTOFF GRADES : 2.5 %
(COMBINED Pb+Zn) 3.0 %
3.5 %
4.0 %
4.5 %
5.0 %

PHASE NA - 5% DISCOUNT ON F3 FARO MINE MODEL

BENCH #	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3910	Pb= 3.0 Zn= 3.6 Ag= 41.5	3.0 3.6 41.5	3.0 3.6 41.5	3.4 3.9 44.7	3.4 3.9 44.7	3.4 3.9 44.7
3890	Pb= 2.9 Zn= 3.9 Ag= 43.3	2.9 3.9 43.3	3.0 4.0 43.3	3.0 4.0 43.3	3.0 4.0 43.3	3.0 4.1 45.4
3870	Pb= 3.5 Zn= 4.8 Ag= 48.5	3.5 4.8 48.5	3.5 4.8 48.5	3.5 4.8 48.5	3.5 4.8 48.5	3.5 4.8 48.5
3850	Pb= 2.2 Zn= 3.9 Ag= 34.9	2.4 4.0 35.2	2.5 4.1 35.7	2.5 4.2 36.0	2.6 4.4 37.0	2.9 4.9 39.9
3830	Pb= 1.8 Zn= 3.1 Ag= 30.8	1.9 3.2 31.7	1.9 3.3 32.5	1.9 3.3 32.5	2.1 3.7 34.8	2.1 3.8 35.2
3810	Pb= 2.0 Zn= 3.1 Ag= 30.2	2.1 3.2 30.8	2.3 3.4 32.4	2.4 3.6 33.3	2.5 3.7 33.4	2.5 3.8 33.3
3790	Pb= 3.0 Zn= 4.5 Ag= 46.6	3.0 4.5 46.6	3.0 4.5 46.6	3.0 4.5 46.6	3.0 4.6 46.9	3.1 4.7 47.5
3770	Pb= 2.4 Zn= 3.9 Ag= 36.8	2.6 4.1 38.3	2.8 4.4 40.1	2.9 4.6 41.8	3.1 4.8 43.4	3.3 5.1 44.7
3750	Pb= 2.2 Zn= 3.6 Ag= 35.5	2.2 3.6 35.5	2.3 3.7 35.1	2.4 4.0 36.3	2.7 4.4 37.0	2.8 4.6 37.1
3730	Pb= 1.9 Zn= 3.1 Ag= 30.2	2.0 3.2 29.4	2.0 3.3 28.9	2.1 3.4 28.7	2.2 3.6 28.7	2.3 3.7 29.0

PHASE NA - 5% DISCOUNT ON F3 FARO MINE MODEL

BENCH #	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3710	Pb= 1.9 Zn= 3.4 Ag= 29.2	1.9 3.4 29.2	1.9 3.4 29.2	1.9 3.5 29.1	2.0 3.6 29.0	2.0 3.7 28.7
3690	Pb= 2.1 Zn= 3.8 Ag= 33.5	2.1 3.8 33.5	2.2 4.0 35.2	2.2 4.0 35.2	2.2 4.0 35.2	2.4 4.4 38.6
3670	Pb= 1.3 Zn= 2.9 Ag= 21.6	1.5 3.1 21.5	1.5 3.1 21.5	1.5 3.1 21.5	1.6 3.4 22.3	1.6 3.6 23.8
All BENCHES	Pb= 2.4 Zn= 3.7 Ag= 36.7	2.5 3.8 37.1	2.6 3.9 37.6	2.6 4.0 38.3	2.8 4.2 39.2	2.9 4.4 40.2

PHASE OA - 5% DISCOUNT ON F3 FAIRO MINE

BENCH#	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3790	Pb= 2.9 Zn= 4.1 Ag= 37.1	2.9 4.1 37.1	2.9 4.1 37.1	2.9 4.1 37.1	2.9 4.1 37.1	2.9 4.1 37.1
3770	Pb= 2.7 Zn= 4.8 Ag= 29.6	2.7 4.8 29.6	2.7 4.8 29.6	2.7 4.8 29.6	2.7 4.8 29.6	2.7 4.8 29.6
3750	Pb= 2.7 Zn= 2.9 Ag= 42.6	2.9 3.2 42.7	3.1 3.8 43.0	3.2 4.0 43.0	3.3 4.2 43.1	3.4 4.4 43.1
3730	Pb= 2.5 Zn= 3.6 Ag= 36.6	2.6 3.7 36.8	2.7 4.1 36.6	2.8 4.2 36.5	2.8 4.2 36.5	2.8 4.4 38.3
3710	Pb= 2.4 Zn= 3.4 Ag= 33.9	2.5 3.5 34.4	2.5 3.5 34.4	2.5 3.5 34.4	2.5 3.6 34.7	2.5 3.8 34.6
3690	Pb= 1.9 Zn= 2.9 Ag= 27.6	1.9 2.9 27.6	2.0 3.2 28.9	2.1 3.4 29.5	2.1 3.6 29.2	2.2 4.1 29.3
3670	Pb= 2.0 Zn= 3.2 Ag= 27.6	2.0 3.4 27.6	2.0 3.2 27.6	2.0 3.2 27.6	2.1 3.4 28.0	2.2 3.7 29.5
3650	Pb= 2.7 Zn= 3.6 Ag= 30.6	2.7 3.6 30.6	2.8 3.7 30.6	2.8 3.7 30.7	2.8 3.7 30.7	2.8 3.8 30.9
3630	Pb= 2.5 Zn= 3.3 Ag= 30.6	2.5 3.3 30.6	2.5 3.3 30.6	2.6 3.5 30.6	2.7 3.5 31.7	2.8 3.8 32.7
All BENCHES	Pb= 2.3 Zn= 3.3 Ag= 31.7	2.4 3.4 31.7	2.4 3.5 31.8	2.5 3.6 32.0	2.5 3.7 32.3	2.6 4.0 33.0

PHASE PA-5% DISCOUNT ON F3. FARO MINE MODEL

BENCH #	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3690	Pb= 1.7 Zn= 3.0 Ag= 26.7	1.7 3.0 26.7	1.8 3.3 28.1	2.0 3.7 29.8	2.1 3.8 30.4	2.5 4.6 34.2
3670	Pb= 1.1 Zn= 3.3 Ag= 20.8	1.1 3.3 20.8	1.1 3.3 20.8	1.1 3.3 20.8	1.1 3.4 21.2	3.0 4.1 39.9
3650	Pb= 2.2 Zn= 3.5 Ag= 24.7	2.4 3.8 26.1	2.5 3.9 25.9	2.5 4.0 26.2	2.6 4.1 26.7	2.8 4.4 28.3
3630	Pb= 1.8 Zn= 2.6 Ag= 21.1	1.8 2.6 21.3	1.9 2.7 21.8	2.1 2.9 24.8	2.3 3.0 25.5	2.4 3.4 23.7
3610	Pb= 3.1 Zn= 5.3 Ag= 37.2	3.1 5.3 37.2	3.1 5.3 37.2	3.1 5.3 37.2	3.1 5.3 37.2	3.1 5.4 37.6
3590	Pb= 3.2 Zn= 5.0 Ag= 39.2	3.3 5.1 40.0	3.3 5.1 40.0	3.3 5.1 40.0	3.4 5.3 41.1	3.5 5.4 42.0
3570	Pb= 2.4 Zn= 3.6 Ag= 31.2	2.4 3.6 31.2	2.5 3.9 31.5	2.5 3.9 31.5	2.7 4.4 32.5	2.7 4.4 32.6
3550	Pb= 2.2 Zn= 3.8 Ag= 25.3	2.2 3.8 25.3	2.2 3.9 25.6	2.3 4.1 26.0	2.4 4.1 26.2	2.4 4.1 26.2
ALL BENCHES	Pb= 2.6 Zn= 4.2 Ag= 31.2	2.6 4.2 31.5	2.7 4.4 32.0	2.8 4.5 33.1	2.9 4.7 33.9	2.9 4.8 35.0

PHASE 7C - 5% DISCOUNT ON F3 FARO MINE MODEL

BENCH #	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3730	Pb= 4.5 Zn= 4.9 Ag= 63.4	4.5 4.9 63.4	4.5 4.9 63.4	4.5 4.9 63.4	4.5 4.9 63.4	4.5 4.9 63.4
3710	Pb= 3.3 Zn= 4.5 Ag= 46.2	3.3 4.5 46.2	3.3 4.5 46.2	3.3 4.5 46.2	3.3 4.5 46.2	3.3 4.5 46.2
3690	Pb= 2.3 Zn= 4.3 Ag= 29.3	2.3 4.3 29.3	2.3 4.3 29.3	2.4 4.6 31.1	2.5 4.8 32.2	2.6 4.9 33.0
3670	Pb= 2.0 Zn= 3.3 Ag= 27.1	2.2 3.5 28.6	2.5 3.8 30.0	3.1 4.5 35.3	3.3 4.7 37.5	3.7 4.8 40.2
3650	Pb= 1.8 Zn= 2.4 Ag= 26.0	1.9 2.5 27.1	2.2 2.8 30.0	2.4 3.0 32.3	2.6 3.2 34.0	2.9 3.5 31.7
3630	Pb= 2.1 Zn= 3.2 Ag= 21.9	2.1 3.3 22.4	2.2 3.4 22.8	2.6 3.7 25.7	2.7 4.0 29.0	2.9 4.2 31.4
3610	Pb= 3.1 Zn= 5.4 Ag= 29.2	3.2 5.5 29.6	3.2 5.5 29.6	3.2 5.5 29.6	3.2 5.5 29.6	3.2 5.6 29.5
3590	Pb= 2.5 Zn= 4.8 Ag= 17.4	2.5 4.8 17.4	2.6 5.1 16.3	2.6 5.3 15.6	2.6 5.5 14.7	2.7 5.7 14.1
3570	Pb= 2.2 Zn= 3.9 Ag= 25.2	2.4 4.2 27.4	2.8 4.9 32.3	2.8 4.9 32.4	2.9 5.2 34.1	3.1 5.5 37.8

PHASE 7C - 5% DISCOUNT ON F3 FARO MINE MODEL

BENCH #	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3550	Pb=2.6 Zn=4.4 Ag=26.9	2.7 4.5 28.0	2.9 4.8 31.4	3.1 5.0 33.3	3.1 5.0 33.3	3.3 5.1 34.8

ALL BENCHES	Pb=2.4 Zn=3.9 Ag=28.0	2.5 4.1 28.8	2.7 4.3 29.9	2.9 4.6 31.6	2.9 4.8 32.5	3.0 4.9 33.5
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PHASE UA - 5% DISCOUNT ON F3 FAIRMINE MODEL

BENCH #	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3690	Pb = 1.7 Zn = 2.5 Ag = 20.3	1.7 2.5 20.3	1.7 2.5 20.3	1.7 2.9 22.8	1.9 3.1 25.3	1.9 3.3 26.1
3670	Pb = 1.0 Zn = 1.7 Ag = 12.8	1.0 2.0 15.2	(NO ORE)	(NO ORE)	(NO ORE)	(NO ORE)
3650	Pb = 1.5 Zn = 2.7 Ag = 20.5	1.5 2.8 20.2	1.7 3.2 20.5	2.1 3.6 25.1	2.5 3.9 29.6	2.9 4.1 33.7
3630	Pb = 1.6 Zn = 3.2 Ag = 16.7	1.6 3.2 16.7	1.7 3.3 17.4	1.9 3.7 20.1	2.2 4.0 23.6	2.6 4.3 27.3
3610	Pb = 2.1 Zn = 3.6 Ag = 21.4	2.1 3.6 21.7	2.2 3.7 21.9	2.2 3.8 22.9	2.4 3.9 24.1	2.4 3.9 23.8
3590	Pb = 1.9 Zn = 3.3 Ag = 19.3	1.9 3.4 19.7	2.1 3.7 20.2	2.2 3.9 20.0	2.2 4.0 19.5	2.2 4.2 19.4
3570	Pb = 2.0 Zn = 2.9 Ag = 23.1	2.2 3.2 25.3	2.5 3.5 27.8	2.7 3.8 29.8	2.8 4.0 31.3	2.9 4.2 32.2
3550	Pb = 2.2 Zn = 3.3 Ag = 27.8	2.3 3.5 29.0	2.5 3.6 31.0	2.6 3.8 32.4	2.7 4.0 34.3	2.8 4.2 35.7
3530	Pb = 2.6 Zn = 3.9 Ag = 32.9	2.7 3.9 33.3	2.7 4.0 33.6	2.8 4.1 34.2	2.9 4.3 35.2	2.9 4.5 36.0

PHASE IIA - 5% DISCOUNT ON F3 FARO MINE MODEL

BENCH #	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3510	Pb=2.9 Zn=4.0 Ag=33.2	2.9 4.0 33.6	3.0 4.2 34.7	3.1 4.4 35.8	3.2 4.5 36.7	3.3 4.6 37.6
3490	Pb=2.5 Zn=3.2 Ag=33.5	2.7 3.4 35.4	2.9 3.7 37.9	3.1 4.1 41.3	3.4 4.4 43.9	3.7 4.8 47.5
3470	Pb=2.4 Zn=3.4 Ag=34.0	2.4 3.4 34.0	2.5 3.5 35.2	2.7 3.7 36.9	2.9 4.0 39.1	3.0 4.2 41.1
3450	Pb=2.7 Zn=4.1 Ag=33.9	2.7 4.1 33.9	2.7 4.1 33.9	2.8 4.1 34.1	2.8 4.2 34.3	2.9 4.4 35.9
3430	Pb=2.9 Zn=4.6 Ag=31.6	2.9 4.6 31.7	2.9 4.6 31.7	2.9 4.7 32.2	3.1 4.8 33.2	3.3 5.0 34.7
ALL BENCHES	Pb=2.5 Zn=3.6 Ag=30.1	2.6 3.7 31.0	2.7 3.9 32.1	2.8 4.1 33.5	2.9 4.3 34.8	3.0 4.5 36.1

PHASE WA - 5% DISCOUNT ON F3 FARO MODEL

BENCH #	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3710	Pb = 1.9 Zn = 3.4 Ag = 29.5	1.9 3.4 29.5	1.9 3.4 29.5	1.9 3.4 29.5	1.9 3.4 29.5	1.9 3.4 29.5
3690	Pb = 1.8 Zn = 3.3 Ag = 30.1	1.8 3.3 30.1	1.8 3.3 30.1	1.8 3.3 30.1	1.8 3.3 30.1	1.8 3.4 30.7
3670	Pb = 1.5 Zn = 2.5 Ag = 28.2	2.0 3.0 31.8	2.3 3.3 33.8	2.3 3.3 33.8	2.8 3.7 36.7	2.8 3.7 36.7
3650	Pb = 2.4 Zn = 4.1 Ag = 31.8	2.4 4.1 31.8	2.4 4.1 31.8	2.4 4.1 31.8	2.4 4.1 31.8	2.4 4.1 31.8
3630	Pb = 2.0 Zn = 2.5 Ag = 35.2	2.0 2.5 35.2	2.1 2.5 35.9	2.2 2.7 37.6	2.3 2.8 39.1	2.4 2.9 39.7
3610	Pb = 2.9 Zn = 4.0 Ag = 42.9	2.9 4.1 42.8	2.9 4.1 42.8	2.9 4.1 42.8	2.9 4.1 42.8	2.9 4.1 42.8
3590	Pb = 2.7 Zn = 4.0 Ag = 36.3	2.7 4.0 36.3	2.7 4.0 36.6	2.8 4.2 37.2	2.8 4.2 37.2	2.8 4.2 37.2
3570	Pb = 3.8 Zn = 4.8 Ag = 49.1	3.8 4.8 49.1	3.8 4.8 49.1	3.8 4.8 49.1	3.8 4.8 49.1	3.8 4.8 49.1
3550	Pb = 2.9 Zn = 3.7 Ag = 42.3	2.9 3.7 42.3	2.9 3.8 42.3	2.9 3.7 42.3	2.9 3.8 42.4	2.9 3.8 42.6

PHASE WA - 5% DISCOUNT ON F3 FARO MINE MODEL

BENCH #	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3530	Pb = 3.5 Zn = 4.3 Ag = 49.0	3.5 4.3 49.0	3.5 4.3 49.0	3.5 4.4 49.2	3.5 4.4 49.3	3.5 4.4 49.6
3510	Pb = 3.8 Zn = 5.0 Ag = 51.0	3.8 5.0 51.0	3.8 5.0 51.0	3.8 5.0 51.2	3.8 5.0 51.2	3.8 5.0 51.2
3490	Pb = 3.0 Zn = 4.5 Ag = 38.4	3.0 4.6 38.6	3.0 4.6 38.8	3.0 4.6 39.1	3.1 4.7 39.6	3.1 4.8 40.1
3470	Pb = 3.2 Zn = 4.8 Ag = 40.5	3.2 4.8 40.8	3.2 4.8 40.9	3.3 4.8 41.3	3.3 4.8 41.8	3.3 4.8 42.1
3450	Pb = 2.9 Zn = 4.4 Ag = 34.0	2.9 4.4 34.0	2.9 4.4 34.1	2.9 4.4 34.2	3.0 4.6 34.7	3.1 4.8 35.0
3430	Pb = 2.8 Zn = 4.3 Ag = 31.4	2.8 4.3 31.5	2.9 4.3 31.7	2.9 4.4 31.8	2.9 4.4 31.9	2.9 4.4 32.0
ALL BENCHES	Pb = 3.1 Zn = 4.5 Ag = 40.5	3.1 4.5 40.7	3.1 4.5 40.8	3.2 4.6 41.0	3.2 4.6 41.4	3.2 4.7 41.7

PHASE YA - 5% DISCOUNT ON F3 FARO MINE MODEL

BENCH #	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3550	Pb= 2.2 Zn= 3.8 Ag= 35.2	2.2 3.8 35.2	2.2 3.8 35.2	2.2 3.8 35.2	2.2 3.8 35.2	2.2 3.8 35.2
3530	Pb= 2.7 Zn= 4.6 Ag= 36.1	2.7 4.6 36.1	2.7 4.6 36.1	2.7 4.6 36.1	2.7 4.6 36.1	2.7 4.6 36.1
3510	Pb= 1.3 Zn= 2.9 Ag= 20.2	2.1 3.3 22.3	2.2 3.4 23.2	2.1 3.6 17.6	2.4 3.7 24.9	2.7 3.9 28.1
3490	Pb= 3.4 Zn= 5.3 Ag= 42.8	3.4 5.3 42.8	3.4 5.3 42.8	3.4 5.3 42.8	3.4 5.3 43.0	3.4 5.3 43.0
3470	Pb= 3.4 Zn= 5.0 Ag= 45.8	3.4 5.0 45.8	3.4 5.0 45.8	3.5 5.1 46.3	3.5 5.1 46.3	3.6 5.2 46.1
3450	Pb= 3.1 Zn= 4.7 Ag= 37.1	3.1 4.7 37.1	3.1 4.7 37.1	3.2 4.8 37.7	3.3 4.8 38.0	3.4 4.9 38.6
3430	Pb= 3.5 Zn= 5.2 Ag= 41.5	3.5 5.2 41.7	3.5 5.3 41.9	3.6 5.4 42.2	3.6 5.4 42.5	3.7 5.5 42.9
3410	Pb= 2.4 Zn= 3.9 Ag= 27.5	2.4 3.9 27.5	2.4 3.9 27.6	2.5 3.9 27.6	2.5 4.0 27.9	2.6 4.2 28.6
3390	Pb= 2.4 Zn= 3.9 Ag= 27.3	2.4 4.0 27.5	2.5 4.0 27.6	2.6 4.1 28.0	2.6 4.2 28.3	2.7 4.3 28.3

PHASE YA - 5% DISCOUNT ON F3 FARO MINE MODEL

BENCH #	<u>2.5%</u>	<u>3.0%</u>	<u>3.5%</u>	<u>4.0%</u>	<u>4.5%</u>	<u>5.0%</u>
3370	Pb = 2.4 Zn = 4.2 Ag = 22.7	2.4 4.2 22.8	2.4 4.2 22.8	2.4 4.2 22.8	2.5 4.3 22.7	2.5 4.4 22.6
3350	Pb = 2.1 Zn = 4.6 Ag = 26.2	2.1 4.6 26.2	2.1 4.6 26.2	2.2 4.7 26.2	2.2 4.8 26.3	2.3 4.9 26.6
3330	Pb = 1.8 Zn = 3.7 Ag = 27.6	1.8 3.7 27.6	1.8 3.8 26.8	1.9 4.0 26.4	2.1 4.3 27.0	2.2 4.5 26.6
ALL BENCHES	Pb = 2.6 Zn = 4.3 Ag = 30.8	2.7 4.3 30.9	2.7 4.3 31.0	2.7 4.4 31.3	2.8 4.5 31.6	2.9 4.6 32.0