

019991

TABLE 3.5-2

FARO PIT MINEABLE ORE RESERVES
CUT-OFF GRADE 4.0 (PB + ZN) PERCENT
IN-SITU GRADES REDUCED BY 5.0 PERCENT

<u>Ore Type</u>	<u>Tonnage</u>	<u>Grade</u>		
		<u>% Pb</u>	<u>% Zn</u>	<u>Ag g/mt</u>
A	1,602,000	1.93	3.70	33.1
BCD	5,467,000	2.43	3.91	35.1
EC	2,651,000	2.73	4.26	32.0
EF	10,970,000	3.06	4.49	32.8
G	1,531,000	4.66	5.44	62.3
H	<u>1,542,000</u>	<u>3.68</u>	<u>5.07</u>	<u>50.0</u>
TOTAL	23,763,000 =====	2.94 =====	4.37 =====	36.2 =====

Mineable reserves for a 6 percent combined lead-zinc grade are given in Table 3.5-3.

TABLE 3.5-3

FARO PIT MINEABLE ORE RESERVES
CUT-OFF GRADE 6.0 (PB + ZN) PERCENT
IN-SITU GRADES REDUCED BY 5.0* PERCENT

<u>Ore Type</u>	<u>Tonnage</u>	<u>Grade</u>		
		<u>% Pb</u>	<u>% Zn</u>	<u>Ag g/t</u>
A	583,000	2.67	4.61	39.6
BCD	3,419,000	2.83	4.41	40.3
EC	1,753,000	3.12	4.99	34.6
EF	8,509,000	3.34	4.99	34.9
G	1,493,000	4.74	5.51	63.5
H	<u>1,423,000</u>	<u>3.83</u>	<u>5.24</u>	<u>51.9</u>
TOTAL	17,180,000 =====	3.36 =====	4.93 =====	40.0 =====

*The above does not include the ramp zone.

TABLE 3.5-1

ANVIL DISTRICT GEOLOGICAL RESERVES AND GRADE

<u>Deposit</u>	Geological Reserves ('000) Tonnes	Cut-Off (Pb + Zn)%	<u>Metal Content</u>				
			Lead %	Zinc %	Copper %	Silver g/mt	Gold g/mt
<u>Faro</u>							
Proven - Pit	33,000	--	3.0	4.6	0.16	35.7	0.16
- Ramp	203	4	3.7	4.5	*	60.0	*
Probable - Southwest	<u>1,950</u>	7	<u>5.2</u>	<u>7.3</u>	*	<u>73.8</u>	*
TOTAL	35,153		3.1	4.7	0.16	38.0	0.18
<u>Grum</u>							
Proven - 62-86 W	35,400	3	3.32	5.43	0.15	56.0	0.84
Probable - 51-62 W	<u>1,700</u>	4	<u>3.51</u>	<u>4.28</u>	*	<u>46.0</u>	*
TOTAL	37,100		3.33	5.38	0.15	55.5	0.84
Possible - 86-100 W	8,000	7	10.0 (Pb + Zn)%		--	--	--
<u>Vangorda</u>							
Proven - 2 W-12 E	6,200	3	3.0	4.0	*	44.0	0.77
- 12-28 E	2,500	3	3.3	3.5	*	46.0	0.78
Probable - 28-38 E	<u>400</u>	4	<u>2.4</u>	<u>4.8</u>	*	<u>50.0</u>	<u>0.78</u>
TOTAL	9,100		3.1	3.9	*	45.0	0.78
<u>Dy</u>							
Probable - A2	13,612	7	5.9	6.1	0.14	86.0	1.06
- A3	960	7	5.0	5.8	0.16	64.0	0.59
- B2	<u>6,487</u>	7	<u>4.9</u>	<u>8.1</u>	<u>0.08</u>	<u>83.0</u>	<u>0.76</u>
TOTAL	21,059		5.5	6.7	0.12	84.0	0.95
<u>Swim</u>							
Probable	4,300	6	3.8	4.7	*	47.0	*

*Grades Exist but have not been calculated.

Simplified Ore Type Codes

2A { 113 213 311
 114
 101

2BCD { 134 223 334
 234
 144 244

2CE { 135 235 335

2EF { 155 255 355
 156 256 356
 166 266 366

2EH { 158 258 358
 188 288 388

2GE { 157 257 357
 277 277 377

Aug 19/85
 RST

nb 1st number is horizon
 2nd two numbers are ore type

A	B	C	D	E	F	G
1	2	3	4	5	6	7

∴ eg

BC = $\begin{matrix} 1 & 2 & 3 \\ 2 & 2 & 3 \\ 3 & 2 & 3 \end{matrix}$

PHASE JB (EXPANDED)

From Blastholes.

3890 bench

ROCK No.	VOLUME (BCY)	Pb (%)	Zn (%)	Ag (g/mt)	S.G	TONS
1 2A	2,734	2.7	4.6	49.2	3.19	7,347
2 2BCD	3,554	2.7	4.2	42.1	3.48	10,419
3 2EF	6,034	3.7	5.2	55.5	4.33	22,010
4						0
5						0
6						0
7						0
8						0
9						0
10						0
11						0
12						0
13						0
14						0
15						0
16						0
17						0
18						0
19						0
20						0
21						0
22						0
23						0
24						0
25						0
3890	12,322	3.3	4.8	50.8		39,775

Λ

3870 bench

PHASE JB (EXPANDED)

ROCK No.	VOLUME (BCY)	Pb (%)	Zn (%)	Ag (g/mt)	S.G	TONS	
1	101 A	700	3.7	5.0	55.0	3.19	1,881
2	155 EF	1,800	3.8	5.8	54.8	4.33	6,566
3	156 EF	600	3.8	5.8	54.8	4.33	2,189
4	158 FH	1,800	3.3	4.8	45.0	4.02	6,096
5	158 GI	700	3.7	6.3	45.8	4.02	2,371
6	223 GJ	300	3.4	4.0	44.2	3.48	879
7	234 SK	2,300	3.6	4.0	58.0	3.48	6,743
8	234 SL	2,100	3.0	5.4	56.3	3.48	6,156
9	234 SM	1,300	3.6	4.6	58.0	3.48	3,811
10	234 SN	1,200	3.0	6.1	35.5	3.48	3,518
11	388 SO	700	3.9	5.4	57.8	4.02	2,371
12							0
13							0
14							0
15							0
16							0
17							0
18							0
19							0
20							0
21							0
22							0
23							0
24							0
25							0
3870	13,500	3.5	5.2	52.3		42,579	

A+B+C+D 548
 2H+2EH 262
 2EF 208
 20%

3850 bench

PHASE JB (EXPANDED)

ROCK No.	VOLUME (BCY)	Pb (%)	Zn (%)	Ag (g/mt)	S.G	TONS	
1	101	3,200	3.0	4.0	40.0	3.19	8,599
2	113	2,300	2.6	3.4	58.5	3.19	6,181
3	158	6,800	3.8	6.8	46.0	4.02	23,028
4	158	3,700	2.8	4.8	44.0	4.02	12,530
5	158	500	4.4	8.5	39.5	4.02	1,693
6	213	700	2.6	3.4	58.5	3.19	1,881
7	223	1,300	5.8	6.6	115.0	3.48	3,811
8	223	900	3.0	6.1	35.5	3.48	2,638
9	223	400	3.0	6.1	35.5	3.48	1,173
10	335	2,000	4.9	8.6	51.1	3.77	6,352
11							0
12							0
13							0
14							0
15							0
16							0
17							0
18							0
19							0
20							0
21							0
22							0
23							0
24							0
25							0
3850	21,800	3.6	5.8	50.0			67,886

2A+BCD = 368

2H+2EH = 558

2CE = 98

3830 bench

PHASE JB (EXPANDED)

ROCK No.	VOLUME (BCY)	Pb (%)	Zn (%)	Ag (g/mt)	S.G	TONS	
1	113	1,500	2.6	3.4	58.5	3.19	4,031
2	134	2,600	2.8	4.7	48.5	3.48	7,622
3	155	1,500	6.2	10.6	146.7	4.33	5,471
4	158	7,500	3.8	6.8	46.7	4.02	25,398
5	158	2,800	2.6	4.8	41.1	4.02	9,482
6	158	2,800	3.7	6.3	46.2	4.02	9,482
7	158	1,000	4.4	8.5	39.5	4.02	3,386
8	213	500	2.6	3.4	58.0	3.19	1,344
9	223	4,700	4.3	4.5	87.0	3.48	13,778
10	334	2,400	4.9	8.6	51.1	3.48	7,036
11							0
12							0
13							0
14							0
15							0
16							0
17							0
18							0
19							0
20							0
21							0
22							0
23							0
24							0
25							0
3830	27,300	3.8	6.2	59.7			87,031

A-111 37
 2-6

2A+BCD = 398
 2H+2EH = 558
 2EP = 68

3810 bench

PHASE JB (EXPANDED)

ROCK No.	VOLUME (BCY)	Pb (%)	Zn (%)	Ag (g/mt)	S.G	TONS	
1	113	700	2.8	4.1	57.8	3.19	1,881
2	113	500	2.8	4.1	57.8	3.19	1,344
3	114	800	3.0	3.8	83.4	3.19	2,150
4	155	800	6.2	10.6	146.7	4.33	2,918
5	156	2,100	4.4	6.0	65.1	4.33	7,660
6	156	1,300	4.6	9.4	33.5	4.33	4,742
7	158	4,000	4.4	8.5	39.5	4.02	13,546
8	158	3,100	3.8	6.8	46.6	4.02	10,498
9	213	600	2.8	4.1	57.0	3.19	1,612
10	223	6,000	2.9	3.3	57.5	3.48	17,589
11	223	1,000	4.8	4.2	73.4	3.48	2,932
12	234	5,400	2.8	4.8	48.5	3.48	15,830
13	244	3,000	3.8	7.7	53.3	3.48	8,795
14	258	2,900	3.0	5.1	44.0	4.02	9,821
15							0
16							0
17							0
18							0
19							0
20							0
21							0
22							0
23							0
24							0
25							0
3810	32,200	3.6	5.9	53.9		101,317	

2A+BCD = 528

2H+2E+I = 336

2EF = 158

3790 bench

PHASE JB (EXPANDED)

ROCK No.	VOLUME (BCY)	Pb (%)	Zn (%)	Ag (g/mt)	S.G	TONS	
1	113	2,500	3.5	5.5	61.8	3.19	6,718
2	114	3,800	3.0	3.8	83.4	3.19	10,212
3	144	6,500	4.7	3.9	129.9	3.77	20,643
4	156	10,600	4.6	9.4	33.5	4.33	38,664
5	156	3,100	5.7	10.4	49.8	4.33	11,308
6	156	3,000	4.4	6.0	65.1	4.33	10,943
7	156	2,200	4.6	9.4	33.5	4.33	8,025
8	223	2,600	2.9	3.3	57.5	3.48	7,622
9	234	2,900	5.2	4.3	69.5	3.48	8,502
10	244	700	2.7	5.4	87.0	3.48	2,052
11	258	5,300	5.1	6.1	84.1	4.02	17,948
12	258	3,700	4.4	7.0	69.0	4.02	12,530
13	311	700	3.4	6.8	22.7	3.19	1,881
14	311	200	1.5	6.2	10.3	3.19	537
15	335	300	2.3	7.7	16.1	3.77	953
16	377	200	6.4	5.0	44.5	4.40	741
17							0
18							0
19							0
20							0
21							0
22							0
23							0
24							0
25							0
3790	48,300	4.5	6.8	65.7		159,278	

1-300

2H+2EH

0+100 = 4

2A+BCD = 378

2H+2EH = 198

2EF+GE = 448

3770 bench

PHASE JB (EXPANDED)

ROCK No.	VOLUME (BCY)	Pb (%)	Zn (%)	Ag (g/mt)	S.G	TONS	
1	114	4,500	3.0	3.8	83.4	3.19	12,093
2	144	6,000	3.2	3.6	35.2	3.48	17,589
3	144	3,300	4.7	3.9	129.9	3.48	9,674
4	156	11,200	5.0	9.8	39.3	4.33	40,853
5	158	4,000	2.6	5.6	27.7	4.02	13,546
6	158	3,900	2.9	4.7	35.7	4.02	13,207
7	158	3,600	2.9	6.8	31.7	4.02	12,191
8	158	700	4.4	8.5	39.5	4.02	2,371
9	234	3,500	3.4	4.1	43.6	3.48	10,260
10	244	1,200	2.6	5.7	65.8	3.48	3,518
11	258	1,600	7.9	8.1	134.1	4.02	5,418
12	258	1,100	7.6	5.6	163.6	4.02	3,725
13	311	1,200	1.5	6.2	10.3	3.19	3,225
14	335	3,200	2.3	7.7	16.1	3.77	10,163
15	377	1,400	6.4	5.0	34.5	4.40	5,189
16	377	600	6.0	6.2	99.0	4.40	2,224
17							0
18							0
19							0
20							0
21							0
22							0
23							0
24							0
25							0
3770	51,000	3.9	6.4	51.0			165,246

2A + BCD = 348

2H + 2EH = 318

2EF, 2CE, 2GE = 358

3750 lurch

PHASE JB (EXPANDED)

	ROCK No.	VOLUME (BCY)	Pb (%)	Zn (%)	Ag (g/mt)	S.G	TONS
1	134	7,300	2.6	4.1	41.2	3.48	21,400
2	134	4,800	2.1	3.9	27.4	3.48	14,071
3	144	200	2.0	6.3	26.3	3.48	586
4	156	5,800	2.8	5.5	28.2	4.33	21,156
5	156	4,100	2.5	4.5	35.6	4.33	14,955
6	156	2,600	5.7	10.4	49.8	4.33	9,484
7	158	7,100	2.9	4.0	40.3	4.02	24,044
8	158	4,000	4.2	6.8	37.5	4.02	13,546
9	158	3,400	3.5	7.5	35.2	4.02	11,514
10	158	3,200	4.2	8.5	39.6	4.02	10,837
11	158	2,500	2.3	4.8	24.8	4.02	8,466
12	158	1,800	2.9	6.8	31.7	4.02	6,096
13	234	1,100	2.1	5.7	30.2	3.48	3,225
14	258	4,300	4.4	7.0	69.0	4.02	14,562
15	311	500	1.5	6.2	10.3	3.19	1,344
16	335	1,200	2.3	7.7	16.1	3.77	3,811
17	377	3,100	6.4	5.0	44.5	4.40	11,490
18	377	1,400	6.0	6.2	99.0	4.40	5,189
19							0
20							0
21							0
22							0
23							0
24							0
25							0
	3750	58,400	3.4	5.7	39.8		195,775

2A + BCD = 218
 2H + 2EH = 458
 2EF + GE = 348

2A + BCD = 218
 2H + 2EH = 458
 2EF + GE = 348