

START-UP AUG 1986 to SEPT 31 1986

019892

FARO

	Tonnes	%Pb	%Zn	%Pb+Zn	Ag (g/t)	tonnes lead	tonnes zinc	tonnes combined	kilograms silver
<b>Ore blocked out in pit by blastholes and mined:</b> less ramp zone ore (44,000 tonnes sent to waste dump from 3890 bench JB)									
low grade	183,640	1.85	2.92	4.77	27 est as per 2	3,393	5,364	8,756	4,958
Above 4% Pb+Zn cutoff	1,146,800	2.88	4.33	7.21	33 est as per 2	33,029	49,666	82,695	37,844
high grade	963,160	3.07	4.59	7.66	34 est as per 2	29,576	44,202	73,778	32,747

**Crusher Feed reconciliation:** includes all feed regardless of origin

From Geology records	984,000	3.18	4.52	7.70	33 est as per 2	31,291	44,477	75,768	32,472
From Mill records	910,000	3.03	4.73	7.76	42	27,573	43,043	70,616	38,220

**Predicted reserves:**

Model Undiluted:

<b>WASTE</b>									
FI Waste	17,872,980	0.00				0	0	0	
FI 0.1-4%	113,910	1.20	2.23	3.42	26.00	1,365	2,540	3,896	2,962
FI total -4%	17,986,890								
<b>ORE</b>									
FI +4% Pb+Zn	742,290	3.52	5.79	9.31	49	26,136	42,971	69,107	36,058
FI 4-5%	64,620	1.34	3.08	4.43	27	868	1,992	2,860	1,775
FI +5%	677,670	3.73	6.05	9.78	51	25,270	40,979	66,249	34,283
FI 5-6%	47,810	2.04	3.39	5.44	43	977	1,622	2,599	2,046
FI +6%	629,860	3.86	6.25	10.11	51	24,294	39,354	63,647	32,237
<b>Model Diluted (10% at 0 grade, 95% mining recovery):</b>									
FI +4% Pb+Zn	775,693	3.20	5.26	8.46	44	24,829	40,823	65,652	34,255
FI 4-5%	67,528	1.22	2.80	4.02	25	825	1,892	2,717	1,686
FI +5%	708,165	3.39	5.50	8.89	46	24,007	38,930	62,937	32,569
FI 4-6%	49,961	1.86	3.08	4.94	39	928	1,541	2,469	1,943
FI +6%	658,204	3.51	5.68	9.19	47	23,079	37,386	60,465	30,626

UNDILUTED FI Model Stripping Ratio (Total Waste <4% / +4%) : 24.23  
 DILUTED FI Model Stripping Ratio (Total Waste <4% / +4%) : 23.15

**Crusher feed variance:**

	Tonnes	%PB	%Zn	%Pb+Zn	Ag (g/t)				
Variance (geology-mill)	74,000	0.15	-0.21	-0.06	-9	3,718	1,434	5,152	(5,748)
Percent variance ((g-m)/g)*100	7.5%	4.7%	-4.6%	-0.8%	0	11.9%	3.2%	6.8%	-17.7%

**Ore reserve variance:**

Variance in +4% Pb+Zn ore (blastholes-diluted model)	371,107	-0.32	-0.93	-1.25	-11.16	8,200	8,843	17,043	3,589
Percent variance +4% Pb+Zn ((bh-m)/m)	47.8%	-10.0%	-17.7%	-14.8%	-25.3%	33.0%	21.7%	26.0%	10.5%
Variance in high grade ore * (blastholes-diluted model)	304,956	-0.44	-1.09	-1.53	-12.53	6,497	6,816	13,313	2,122
Percent var high grade to +6% ((bh-m)/m)	46.3%	-12.4%	-19.2%	-16.6%	-26.9%	28.1%	18.2%	22.0%	6.9%

\* high grade ore was +6% Pb+Zn at start of period and changed to +5% near end.

OCT 1 1986 to APRIL 30 1987

	Tonnes	%Pb	%Zn	%Pb+Zn	Ag (g/t)	tonnes lead	tonnes zinc	tonnes combined	kilograms silver
<u>Ore blocked out in pit by blastholes and mined:</u> less zone 1 and ramp zone ore									
4-5 % Pb + Zn	425,240	1.80	2.94	4.74	27	7,671	12,506	20,176	12,069
Above 4% Pb+Zn cutoff	2,266,235	2.69	4.36	7.05	33	60,909	98,891	159,800	77,550
Above 5% Pb+Zn cutoff	1,840,995	2.90	4.69	7.59	34	53,301	86,419	139,720	64,702

Crusher Feed reconciliation: includes all feed regardless of origin

From Geology records	2,502,000	2.98	4.77	7.75	35	74,560	119,345	193,905	87,570
From Mill records	2,489,000	2.98	4.7	7.68	37	74,172	116,983	191,155	92,093

Predicted reserves:

Model Undiluted:

WASTE									
FI Waste	10,819,130	0	0	0.00	0	0	0	0	0
FI 0.1-4%	695,470	1.012	1.954	2.97	15.805	7,038	13,589	20,628	10,992
FI total -4%	11,514,600								

ORE									
FI +4% Pb+Zn	2,121,500	2.73	4.52	7.26	35	57,959	95,977	153,936	74,176
FI 4-5%	316,960	1.75	2.76	4.51	26	5,544	8,735	14,279	8,196
FI +5%	1,804,530	2.90	4.83	7.74	37	52,404	87,231	139,635	65,981
FI 5-6%	443,640	1.83	3.64	5.48	23	8,127	16,166	24,294	10,299
FI +6%	1,360,890	3.25	5.22	8.48	41	44,283	71,066	115,349	55,682

Model Diluted (10% at 0 grade, 95% mining recovery):									
FI +4% Pb+Zn	2,216,968	2.48	4.11	6.60	32	55,061	91,178	146,239	70,467
FI 4-5%	331,223	1.59	2.51	4.10	24	5,266	8,299	13,565	7,786
FI +5%	1,885,734	2.64	4.39	7.03	33	49,783	82,869	132,653	62,682
FI 4-6%	463,604	1.67	3.31	4.98	21	7,721	15,358	23,079	9,784
FI +6%	1,422,130	2.96	4.75	7.71	37	42,069	67,512	109,582	52,898

UNDILUTED FI Model Stripping Ratio (Total Waste <4% / +4%) : 5.43  
 DILUTED FI Model Stripping Ratio (Total Waste <4% / +4%) : 5.15

Crusher feed variance:

	Tonnes	%PB	%Zn	%Pb+Zn	Ag (g/t)				
Actual (geology-mill)	13,000	0.00	0.07	0.07	-2.00	387	2,362	2,750	(4,523)
Percent ((g-m)/g)	0.5%	0.0%	1.5%	0.9%	-5.7%	0.5%	2.0%	1.4%	-5.2%

Ore reserve variance:

Variance in +4% Pb+Zn ore (blastholes-diluted model)	49,268	0.20	0.25	0.45	1.21	5,848	7,713	13,561	7,083
Percent variance +4% Pb+Zn ((bh-m)/m)*100	2.2%	8.2%	6.1%	6.9%	3.8%	10.6%	8.5%	9.3%	10.1%
Variance in +5% Pb+Zn ore (blastholes-diluted model)	(44,739)	0.26	0.30	0.55	0.76	3,518	3,549	7,067	2,020
Percent variance +5% Pb+Zn ((bh-m)/m)*100	-2.4%	9.7%	6.8%	7.9%	2.3%	7.1%	4.3%	5.3%	3.2%

MAY 1 1987 to DEC 31 1987

	Tonnes	%Pb	%Zn	%Pb+Zn	Ag (g/t)	tonnes lead	tonnes zinc	tonnes combined	kilograms silver
<u>Ore blocked out in pit by blastholes and mined:</u> less Zone 1 ore									
4-5 % Pb + Zn	137,000	2.17	2.39	4.56	32	2,973	3,274	6,247	4,384
Above 4% Pb+Zn cutoff	2,743,578	3.61	5.11	8.73	42	99,149	140,257	239,405	114,795
Above 5% Pb+Zn cutoff	2,606,578	3.69	5.25	8.94	43	96,067	136,970	233,036	111,723

Crusher Feed reconciliation: includes all feed regardless of origin

From Geology records	2,978,000	3.62	5.18	8.80	43	107,804	154,260	262,064	128,054
From Mill records	3,084,000	3.5	5.04	8.54	42	107,940	155,434	263,374	129,528

Predicted reserves:

Model Undiluted:

WASTE									
FI Waste	16,608,400	0	0	0.00	0	0	0	0	0
FI 0.1-4%	420,700	1.045	1.692	2.74	22.301	4,396	7,118	11,515	9,382
FI total -4%	17,029,100								

ORE									
FI +4% Pb+Zn	2,747,220	3.492	4.978	8.47	45.091	95,933	136,757	232,690	123,875
FI 4-5%	297,010	1.892	2.656	4.55	31.554	5,619	7,889	13,508	9,372
FI +5%	2,450,210	3.686	5.26	8.95	46.73	90,315	128,881	219,196	114,503
FI 4-6%	336,330	2.321	3.102	5.42	36.303	7,806	10,433	18,239	12,210
FI +6%	2,113,880	3.903	5.603	9.51	48.391	82,505	118,441	200,945	102,293

Model Diluted (10% at 0 grade, 95% mining recovery):

FI +4% Pb+Zn	2,870,845	3.17	4.53	7.70	41	91,136	129,919	221,055	117,681
FI 4-5%	310,375	1.72	2.41	4.13	29	5,338	7,494	12,833	8,903
FI +5%	2,560,469	3.35	4.78	8.13	42	85,799	122,437	208,236	108,778
FI 4-6%	351,465	2.11	2.82	4.93	33	7,416	9,911	17,327	11,599
FI +6%	2,209,005	3.55	5.09	8.64	44	78,379	112,519	190,898	97,178

UNDILUTED FI Model Stripping Ratio (Total Waste <4% / +4%) : 6.20  
 DILUTED FI Model Stripping Ratio (Total Waste <4% / +4%) : 5.89

Crusher feed variance:

	Tonnes	%PB	%Zn	%Pb+Zn	Ag (g/tnn)				
Actual (geology-mill)	(106,000)	0.12	0.14	0.26	1.00	(136)	(1,173)	(1,310)	(1,474)
Percent ((g-m)/g)	-3.6%	3.3%	2.7%	3.0%	2.3%	-0.1%	-0.8%	-0.5%	-1.2%

Ore reserve variance:

Variance in +4% Pb+Zn ore (blastholes-diluted model)	(127,267)	0.44	0.59	1.03	0.85	8,013	10,338	18,350	(2,886)
Percent variance +4% Pb+Zn ((bh-m)/m)*100	-4.4%	13.8%	13.0%	13.3%	2.1%	8.8%	8.0%	8.3%	-2.5%
Variance in +5% Pb+Zn ore (blastholes-diluted model)	46,109	0.33	0.47	0.81	0.38	10,268	14,533	24,800	2,945
Percent variance +5% Pb+Zn ((bh-m)/m)*100	1.8%	10.0%	9.9%	9.9%	0.9%	12.0%	11.9%	11.9%	2.7%

JAN 1 1988 to MAY 31 1988

	Tonnes	%Pb	%Zn	%Pb+Zn	Ag (g/t)	tonnes lead	tonnes zinc	tonnes combined	kilograms silver
<b><u>Ore blocked out in pit by blastholes and mined:</u></b>									
4-5 % Pb + Zn	135,000	2.11	2.85	4.96	32	2,849	3,848	6,696	4,320
Above 4% Pb+Zn cutoff	2,337,000	3.87	4.87	8.74	55	90,442	113,812	204,254	128,535
Above 5% Pb+Zn cutoff	2,203,000	3.98	4.99	8.97	56	87,679	109,930	197,609	123,368

**Crusher Feed reconciliation:** includes all feed regardless of origin

From Geology records	1,884,000	3.90	4.86	8.76	55	73,476	91,562	165,038	103,620
From Mill records	1,880,000	3.78	4.67	8.45	56	71,064	87,796	158,860	105,280

**Predicted reserves:**

Model Undiluted:

WASTE									
FI Waste	7,359,100	0.00	0.00	0.00	0	0	0	0	
FI 0.1-4%	454,080	1.15	1.41	2.55	20.347	5,199	6,393	11,593	9,239
FI total -4%	7,813,180								

DRE									
FI +4% Pb+Zn	1,721,790	3.52	4.62	8.14	51.598	60,538	79,616	140,154	88,841
FI 4-5%	267,890	1.78	2.70	4.49	27.658	4,776	7,244	12,020	7,409
FI +5%	1,453,900	3.84	4.98	8.81	56.008	55,757	72,375	128,132	81,430
FI 5-6%	193,820	2.06	3.46	5.52	30.271	3,993	6,700	10,693	5,867
FI +6%	1,260,080	4.11	5.21	9.32	59.967	51,764	65,675	117,439	75,563

Model Diluted (10% at 0 grade, 95% mining recovery):									
FI +4% Pb+Zn	1,799,271	3.20	4.20	7.40	47	57,511	75,635	133,146	84,399
FI 4-5%	279,945	1.62	2.46	4.08	25	4,538	6,882	11,419	7,039
FI +5%	1,519,326	3.49	4.53	8.01	51	52,969	68,756	121,726	77,359
FI 4-6%	202,542	1.87	3.14	5.02	28	3,793	6,365	10,158	5,574
FI +6%	1,316,784	3.73	4.74	8.47	55	49,176	62,392	111,567	71,785

UNDILUTED FI Model Stripping Ratio (Total Waste <4% / +4%) : 4.54  
 DILUTED FI Model Stripping Ratio (Total Waste <4% / +4%) : 4.30

**Crusher feed variance:**

	Tonnes	%PB	%Zn	%Pb+Zn	Ag (g/tnn)				
Actual (geology-mill)	4,000	0.12	0.19	0.31	-1.00	2,412	3,766	6,178	(1,660)
Percent ((g-m)/g)	0.2%	3.1%	3.9%	3.5%	-1.8%	3.3%	4.1%	3.7%	-1.6%

**Ore reserve variance:**

Variance in +4% Pb+Zn ore (blastholes-diluted model)	537,729	0.67	0.67	1.34	8.09	32,931	38,177	71,108	44,136
Percent variance +4% Pb+Zn ((bh-m)/m)*100	29.9%	21.1%	15.9%	18.1%	17.3%	57.3%	50.5%	53.4%	52.3%
Variance in +5% Pb+Zn ore (blastholes-diluted model)	683,675	0.49	0.46	0.96	5.08	34,710	41,173	75,884	46,009
Percent variance +5% Pb+Zn ((bh-m)/m)*100	45.0%	14.2%	10.3%	12.0%	10.0%	65.5%	59.9%	62.3%	59.5%

ALL PERIODS - STARTUP (JAN 1 1986) to MAY 31 1988

	Tonnes	%Pb	%Zn	%Pb+Zn	Ag (g/t)	tonnes lead	tonnes zinc	tonnes combined	kilograms silver
<u>Ore blocked out in pit by blastholes and mined:</u>	not including 211,200 tonnes (hg+lg) from ramp zone and 127,187 tonnes (hg) from zone I								
4-5 % Pb + Zn	880,880	1.92	2.84	4.75	29	16,885	24,991	41,876	25,731
Above 4% Pb+Zn cutoff	8,493,613	3.34	4.74	8.08	42	283,529	402,625	686,154	358,724
Above 5% Pb+Zn cutoff	7,613,733	3.50	4.96	8.46	44	266,623	377,520	644,143	332,540

Crusher Feed reconciliation: includes all feed regardless of origin

From Geology records	8,348,000	3.44	4.91	8.35	42	287,130	409,645	696,775	351,716
From Mill records	8,363,000	3.36	4.82	8.18	44	280,749	403,256	684,005	365,121

Predicted reserves:

Model Undiluted:

WASTE

FI Waste	52,659,610	0.00	0.00	0.00	0	0	0	0	0
FI 0.1-4%	1,684,160	1.07	1.76	2.83	19	17,998	29,641	47,631	32,575
FI total -4%	54,343,770								

ORE

FI +4% Pb+Zn	7,332,800	3.28	4.85	8.13	44	240,566	355,320	595,886	322,950
FI 4-5%	946,480	1.78	2.73	4.51	28	16,808	25,859	42,667	26,751
FI +5%	6,386,310	3.50	5.16	8.66	46	223,746	329,466	553,212	296,197
FI 4-6%	1,021,600	2.05	3.42	5.46	30	20,903	34,922	55,825	30,422
FI +6%	5,364,710	3.78	5.49	9.27	50	202,846	294,535	497,381	265,776

Model Diluted (10% at 0 grade, 95% mining recovery):

FI +4% Pb+Zn	7,662,776	2.98	4.41	7.39	40	228,538	337,554	566,092	306,803
FI 4-5%	989,072	1.61	2.48	4.10	26	15,968	24,566	40,534	25,414
FI +5%	6,673,694	3.19	4.69	7.87	42	212,558	312,993	525,551	281,388
FI 4-6%	1,067,572	1.86	3.11	4.97	27	19,858	33,176	53,034	28,900
FI +6%	5,606,122	3.44	4.99	8.43	45	192,704	279,809	472,512	252,487

UNDILUTED FI Model Stripping Ratio (Total Waste <4% / +4%) :

7.41

DILUTED FI Model Stripping Ratio (Total Waste <4% / +4%) :

7.05

Crusher feed variance:

	Tonnes	%Pb	%Zn	%Pb+Zn	Ag (g/tonn)				
Actual (geology-mill)	(15,000)	0.08	0.09	0.17	-1.53	6,381	6,389	12,771	(13,405)
Percent ((g-m)/g)	-0.2%	2.4%	1.7%	2.0%	-3.6%	2.2%	1.6%	1.8%	-3.8%

Ore reserve variance:

Variance in +4% Pb+Zn ore (blastholes-diluted model)	830,837	0.36	0.34	0.69	2.20	54,991	65,071	120,062	51,922
Percent Variance +4% Pb+Zn ((bh-m)/m)*100	10.8%	11.9%	7.6%	9.4%	5.5%	24.1%	19.3%	21.2%	16.9%
Variance in +5% Pb+Zn ore (blastholes-diluted model)	940,039	0.32	0.27	0.59	1.51	54,064	64,528	118,592	51,153
Percent Variance +5% Pb+Zn ((bh-m)/m)*100	14.1%	9.9%	5.7%	7.4%	3.6%	25.4%	20.6%	22.6%	18.2%

ALL PERIODS - STARTUP (JAN 1 1986) to MAY 31 1988

	Tonnes	%Pb	%Zn	%Pb+Zn	Ag (g/t)	tonnes lead	tonnes zinc	tonnes combined	kilograms silver
<u>Ore blocked out in pit by blastholes and mined:</u>	not including 211,200 tonnes (hg+lg) from ramp zone and 127,187 tonnes (hg) from zone I								
4-5 % Pb + Zn	880,880	1.92	2.84	4.75	29	16,885	24,991	41,876	25,731
Above 4% Pb+Zn cutoff	8,493,613	3.34	4.74	8.08	42	283,529	402,625	686,154	358,724
Above 5% Pb+Zn cutoff	7,613,733	3.50	4.96	8.46	44	266,623	377,520	644,143	332,540

Crusher Feed reconciliation: includes all feed regardless of origin

From Geology records	8,348,000	3.44	4.91	8.35	42	287,130	409,645	696,775	351,716
From Mill records	8,363,000	3.36	4.82	8.18	44	280,749	403,256	684,005	365,121

Predicted reserves:

Model Undiluted:

WASTE

F8805 Waste	NA	0.00	0.00	0.00	0	0	0	0	0
F8805 0.1-4%	NA	NA	NA	NA	NA	NA	NA	NA	NA
*****									
F8805 total -4%	NA								

ORE

F8805 +4% Pb+Zn	7,796,600	3.65	5.24	8.89	46	284,576	408,542	693,118	362,370
F8805 4-5%	479,500	1.60	2.92	4.52	27	7,682	14,001	21,683	12,707
F8805 +5%	7,317,100	3.79	5.39	9.18	48	277,025	394,538	671,563	349,662
F8805 4-6%	NA	NA	NA	NA	NA	NA	NA	NA	NA
F8805 +6%	NA	NA	NA	NA	NA	NA	NA	NA	NA

Model Diluted (10% at 0 grade, 95% mining recovery):

F8805 +4% Pb+Zn	8,147,447	3.32	4.76	8.08	42	270,347	388,115	658,462	344,252
F8805 4-5%	501,078	1.46	2.65	4.11	24	7,298	13,301	20,599	12,071
F8805 +5%	7,646,370	3.44	4.90	8.34	43	263,174	374,811	637,985	332,179
F8805 4-6%	NA	NA	NA	NA	NA	NA	NA	NA	NA
F8805 +6%	NA	NA	NA	NA	NA	NA	NA	NA	NA

UNDILUTED FI Model Stripping Ratio (Total Waste <4% / +4%) :

NA

DILUTED FI Model Stripping Ratio (Total Waste <4% / +4%) :

NA

Crusher feed variance:

	Tonnes	%Pb	%Zn	%Pb+Zn	Ag (g/tonn)				
Actual (geology-mill)	(15,000)	0.08	0.09	0.17	-1.53	6,381	6,389	12,771	(13,405)
Percent ((g-m)/g)	-0.2%	2.4%	1.7%	2.0%	-3.6%	2.2%	1.6%	1.8%	-3.8%

Ore reserve variance:

Variance in +4% Pb+Zn ore (blastholes-diluted model)	346,166	0.02	-0.02	0.00	-0.02	13,182	14,511	27,692	14,473
Percent Variance +4% Pb+Zn ((bh-m)/m)*100	4.2%	0.6%	-0.5%	0.0%	0.0%	4.9%	3.7%	4.2%	4.2%
Variance in +5% Pb+Zn ore (blastholes-diluted model)	(32,637)	0.06	0.06	0.12	0.23	3,449	2,709	6,158	361
Percent Variance +5% Pb+Zn ((bh-m)/m)*100	-0.4%	1.7%	1.2%	1.4%	0.5%	1.3%	0.7%	1.0%	0.1%