

ROBIN

Aug 1985

019936

Phases JB, A, B, Reserves

FARO MINE RESERVES

@ 48 & 68 Pb+Zn

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Cutoff

CUT OFF= 4 PERCENT				PHASE= ALL PHASES						
BENCH	BCY'S			SDT'S			Pb	Zn	Ag	
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL	%	%	gm/DMT	
4030										
4010										
3990	145,000	0	145,000	336,052	0	336,052	0.0	0.0	0.0	
3970	165,000	0	165,000	382,404	0	382,404	0.0	0.0	0.0	
3950	165,000	0	165,000	382,404	0	382,404	0.0	0.0	0.0	
3930	521,000	0	521,000	1,207,469	0	1,207,469	0.0	0.0	0.0	
3910	523,000	0	523,000	1,212,104	0	1,212,104	0.0	0.0	0.0	
3890	1,424,542	45,098	1,469,640	3,303,880	138,593	3,442,473	3.1	4.2	46.4	
3870	1,418,854	66,256	1,485,110	3,288,358	204,336	3,492,694	3.7	5.0	51.0	
3850	2,627,708	62,623	2,690,331	6,092,903	187,595	6,280,498	2.7	4.5	38.5	
3830	2,611,979	61,810	2,673,789	6,061,772	184,763	6,246,535	2.0	3.6	34.5	
3810	2,530,125	53,704	2,583,829	5,872,381	154,242	6,026,623	2.5	3.8	35.0	
3790	2,449,176	91,825	2,541,001	5,676,201	270,374	5,946,575	3.3	4.8	49.0	
3770	2,366,266	87,073	2,453,339	5,496,010	270,073	5,766,083	3.0	5.0	41.4	
3750	2,323,931	98,256	2,422,187	5,412,301	304,956	5,717,257	2.8	4.2	39.9	
3730	2,212,196	111,671	2,323,867	5,142,261	360,276	5,502,537	2.6	4.0	35.2	
3710	2,105,607	188,012	2,293,619	4,884,531	604,270	5,488,801	2.6	4.0	37.8	
3690	2,014,604	138,953	2,153,557	4,716,918	433,999	5,150,917	2.3	4.0	31.8	
3670	2,028,182	122,313	2,150,495	4,772,313	408,633	5,180,946	2.4	3.9	30.7	
3650	1,891,552	151,010	2,042,562	4,469,681	485,654	4,955,335	2.7	3.9	30.6	
3630	1,803,032	210,941	2,013,973	4,263,158	673,637	4,936,795	2.4	3.5	28.7	
3610	1,584,722	322,778	1,907,500	3,688,455	1,042,534	4,730,989	3.0	5.0	34.6	
3590	1,517,952	334,730	1,852,682	3,584,451	1,080,343	4,664,794	2.8	4.8	30.6	
3570	1,407,542	377,012	1,784,554	3,379,829	1,230,530	4,610,359	3.3	4.6	40.7	
3550	1,127,154	527,129	1,654,283	2,706,251	1,737,259	4,443,510	2.9	4.1	38.1	
3530	754,547	692,636	1,447,183	1,807,572	2,303,993	4,111,565	3.2	4.4	43.1	
3510	554,365	808,523	1,362,888	1,391,136	2,711,040	4,102,176	3.6	4.9	45.8	
3490	335,315	810,428	1,145,743	893,975	2,694,808	3,588,783	3.3	4.8	42.7	
3470	207,812	865,915	1,073,727	523,889	2,856,253	3,380,142	3.4	4.8	43.6	
3450	135,268	801,732	937,000	320,368	2,607,621	2,927,989	3.2	4.7	37.3	
3430	253,882	589,050	842,932	598,836	1,956,180	2,555,016	3.2	4.9	35.8	
3410	168,335	410,297	578,632	396,479	1,386,047	1,782,526	2.7	4.4	30.6	
3390	134,303	231,899	366,202	331,635	754,878	1,086,513	2.7	4.4	29.1	
3370	99,422	142,808	242,230	231,886	456,578	688,464	2.5	4.4	23.2	
3350	61,811	102,576	164,387	144,386	309,058	453,444	2.3	5.1	27.4	
3330	55,113	58,007	113,120	130,999	160,932	291,931	2.0	4.1	30.1	
TOTAL	39,724,297	8,565,065	48,289,362	93,103,246	27,969,455	121,072,701	3.1	4.6	38.3	

STRIPPING RATIO = 4.64 BCY WASTE/BCY ORE

3.33 SDT WASTE/SDT ORE

CUT OFF= 4 PERCENT				PHASE= JB						
BENCH	BCY'S			SDT'S			Pb	Zn	Ag	
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL	%	%	gm/DMT	
4030										
4010										
3990										
3970										
3950										
3930										
3910										
3890	58,542	45,098	103,640	135,677	138,593	274,270	3.1	4.2	46.4	
3870	42,854	66,256	109,110	99,319	204,336	303,655	3.7	5.0	51.0	
3850	43,125	57,928	101,053	99,946	173,605	273,551	2.7	4.5	38.5	
3830	17,406	44,814	62,220	41,856	133,377	175,233	2.0	3.6	34.6	
3810										
3790										
3770										
3750										
3730										
3710										
3690										
3670										
3650										
3630										
3610										
3590										
3570										
3550										
3530										
3510										
3490										
3470										
3450										
3430										
3410										
3390										
3370										
3350										
3330										
TOTAL	161,927	214,096	376,023	376,798	649,911	1,026,709	3.0	4.4	43.3	

STRIPPING RATIO = 0.76 BCY WASTE/BCY ORE
 0.58 SDT WASTE/SDT ORE

CUT OFF= 4 PERCENT				PHASE= A				Pb	Zn	Ag
BENCH	BCY'S			SDT'S			%	%	gm/DMT	
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL				
4030										
4010										
3990										
3970										
3950										
3930	56,000	0	56,000	129,786	0	129,786	0.0	0.0	0.0	
3910	57,000	0	57,000	132,103	0	132,103	0.0	0.0	0.0	
3890	325,000	0	325,000	753,218	0	753,218	0.0	0.0	0.0	
3870	325,000	0	325,000	753,218	0	753,218	0.0	0.0	0.0	
3850	744,508	0	744,508	1,725,469	0	1,725,469	0.0	0.0	0.0	
3830	731,472	0	731,472	1,695,257	0	1,695,257	0.0	0.0	0.0	
3810	716,289	0	716,289	1,660,069	0	1,660,069	0.0	0.0	0.0	
3790	699,683	0	699,683	1,621,582	0	1,621,582	0.0	0.0	0.0	
3770	685,998	0	685,998	1,589,867	0	1,589,867	0.0	0.0	0.0	
3750	672,561	0	672,561	1,561,392	0	1,561,392	0.0	0.0	0.0	
3730	632,894	6,115	639,009	1,466,794	20,916	1,487,710	4.7	5.2	66.7	
3710	602,680	46,390	649,070	1,396,770	151,072	1,547,842	3.5	4.7	48.6	
3690	581,394	51,553	632,947	1,358,542	163,553	1,522,095	2.5	4.6	31.7	
3670	617,024	27,462	644,486	1,474,666	93,794	1,568,460	3.3	4.7	37.2	
3650	574,333	36,452	610,785	1,382,635	116,185	1,498,820	2.3	3.3	29.4	
3630	523,509	77,900	601,409	1,247,939	241,270	1,489,209	2.1	3.7	22.0	
3610	459,294	108,823	568,117	1,071,399	344,188	1,415,587	2.7	5.1	24.3	
3590	464,706	94,029	558,735	1,107,336	294,098	1,401,434	2.2	4.9	15.9	
3570	504,634	48,847	553,481	1,249,785	149,783	1,399,568	2.4	4.4	25.0	
3550	385,649	119,506	505,155	955,011	386,581	1,341,592	2.9	4.6	35.8	
3530	172,727	241,880	414,607	404,453	905,346	1,209,799	3.2	5.1	37.8	
3510	105,113	266,145	371,258	252,888	928,047	1,180,935	3.7	5.0	43.1	
3490	88,814	182,823	271,637	257,370	627,654	885,024	3.8	4.8	49.8	
3470	49,734	189,001	238,735	126,134	633,796	759,930	3.3	4.3	46.4	
3450	21,801	151,147	172,948	50,527	499,020	549,547	3.2	4.7	42.2	
3430	7,615	105,134	112,749	17,648	368,980	386,628	3.5	5.3	37.0	
3410										
3390										
3370										
3350										
3330										
TOTAL	10,805,432	1,753,207	12,558,639	25,441,858	5,824,283	31,266,141	3.2	4.8	38.2	

STRIPPING RATIO = 6.16 BCY WASTE/BCY ORE
 4.37 SDT WASTE/SDT ORE

CUT OFF= 4 PERCENT			PHASE= B			Pb	Zn	Ag	
BENCH	BCY'S		SDT'S		%	%	gm/DMT		
	WASTE	ORE	WASTE	ORE					
		TOTAL		TOTAL					
4030									
4010									
3990									
3970									
3950									
3930	25,000	0	25,000	57,939	0	57,939	0.0	0.0	0.0
3910	25,000	0	25,000	57,939	0	57,939	0.0	0.0	0.0
3890	211,000	0	211,000	489,012	0	489,012	0.0	0.0	0.0
3870	249,000	0	249,000	577,083	0	577,083	0.0	0.0	0.0
3850	689,736	0	689,736	1,598,530	0	1,598,530	0.0	0.0	0.0
3830	677,565	0	677,565	1,570,323	0	1,570,323	0.0	0.0	0.0
3810	618,161	0	618,161	1,432,649	0	1,432,649	0.0	0.0	0.0
3790	619,457	0	619,457	1,435,651	0	1,435,651	0.0	0.0	0.0
3770	607,001	0	607,001	1,406,785	0	1,406,785	0.0	0.0	0.0
3750	575,558	0	575,558	1,333,912	0	1,333,912	0.0	0.0	0.0
3730	606,370	0	606,370	1,405,321	0	1,405,321	0.0	0.0	0.0
3710	607,830	0	607,830	1,408,705	0	1,408,705	0.0	0.0	0.0
3690	572,143	0	572,143	1,325,997	0	1,325,997	0.0	0.0	0.0
3670	572,416	0	572,416	1,327,596	0	1,327,596	0.0	0.0	0.0
3650	532,049	2,347	534,396	1,234,642	8,566	1,243,208	1.8	4.0	33.0
3630	534,062	0	534,062	1,239,047	0	1,239,047	0.0	0.0	0.0
3610	507,035	0	507,035	1,182,126	0	1,182,126	0.0	0.0	0.0
3590	492,278	9,945	502,223	1,161,095	34,906	1,196,001	3.8	4.7	49.8
3570	433,137	86,863	520,000	1,003,853	291,740	1,295,593	4.0	5.0	49.0
3550	350,558	112,861	463,419	812,622	379,620	1,192,242	3.5	4.2	48.0
3530	253,956	178,601	432,557	614,866	583,715	1,198,581	3.2	4.0	48.0
3510	230,755	202,150	432,905	625,052	645,490	1,270,542	3.6	4.7	53.2
3490	85,303	258,493	343,796	228,101	824,750	1,052,851	3.5	4.9	47.2
3470	16,327	323,825	340,152	47,019	1,073,452	1,120,471	3.6	5.1	46.1
3450	26,169	279,525	305,694	65,217	931,354	996,571	3.4	4.5	41.9
3430	77,179	239,154	316,333	181,153	832,999	1,014,152	3.3	4.6	38.9
3410	12,683	224,388	237,071	29,435	806,622	836,057	2.6	4.3	26.8
3390	26,089	167,144	193,233	78,228	570,794	649,022	2.9	4.6	30.0
3370	5,340	125,406	130,746	12,641	405,130	417,771	2.5	4.4	22.9
3350	27,338	62,415	89,753	64,491	187,463	251,954	2.2	4.6	27.5
3330									
TOTAL	10,266,495	2,273,117	12,539,612	24,007,030	7,576,601	31,583,631	3.3	4.6	40.9

STRIPPING RATIO = 4.52 BCY WASTE/BCY ORE
 3.17 SDT WASTE/SDT ORE

CUT OFF= 4 PERCENT				PHASE= C						
BENCH	BCY'S			SDT'S			Pb	Zn	Ag	
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL	%	%	gm/DMT	
4030										
4010										
3990	145,000	0	145,000	336,052	0	336,052	0.0	0.0	0.0	
3970	165,000	0	165,000	382,404	0	382,404	0.0	0.0	0.0	
3950	165,000	0	165,000	382,404	0	382,404	0.0	0.0	0.0	
3930	422,000	0	422,000	978,026	0	978,026	0.0	0.0	0.0	
3910	423,000	0	423,000	980,344	0	980,344	0.0	0.0	0.0	
3890	618,000	0	618,000	1,432,274	0	1,432,274	0.0	0.0	0.0	
3870	591,000	0	591,000	1,369,700	0	1,369,700	0.0	0.0	0.0	
3850	835,550	0	835,550	1,936,467	0	1,936,467	0.0	0.0	0.0	
3830	840,398	0	840,398	1,947,704	0	1,947,704	0.0	0.0	0.0	
3810	834,769	0	834,769	1,934,659	0	1,934,659	0.0	0.0	0.0	
3790	821,978	6,005	827,983	1,905,013	17,594	1,922,607	3.1	4.5	38.1	
3770	768,296	15,422	783,718	1,780,600	49,949	1,830,549	2.2	4.4	24.4	
3750	793,618	2,151	795,769	1,839,804	7,850	1,847,654	3.1	4.1	47.4	
3730	733,812	0	733,812	1,700,680	0	1,700,680	0.0	0.0	0.0	
3710	672,126	3,266	675,392	1,557,717	9,409	1,567,126	2.8	4.7	35.0	
3690	632,812	7,023	639,835	1,470,157	21,268	1,491,425	2.2	4.1	32.4	
3670	601,535	1,375	602,910	1,403,099	4,465	1,407,564	3.2	4.1	41.3	
3650	560,287	5,556	565,843	1,312,694	18,945	1,331,639	3.4	4.1	42.1	
3630	494,308	23,251	517,559	1,151,027	75,127	1,226,154	2.9	4.3	33.7	
3610	448,789	50,816	499,605	1,040,889	166,817	1,207,706	3.1	4.0	39.3	
3590	428,519	61,127	489,646	1,005,774	195,754	1,201,528	2.8	4.1	34.0	
3570	357,264	90,238	447,502	843,186	297,018	1,140,204	3.7	4.8	48.6	
3550	306,209	144,877	451,086	722,626	476,737	1,199,363	2.8	3.7	39.1	
3530	283,189	135,921	419,110	678,166	453,610	1,131,776	3.7	4.2	51.5	
3510	188,366	217,660	406,026	440,889	724,243	1,165,132	3.7	4.6	49.5	
3490	148,353	263,746	412,099	377,085	879,086	1,256,171	3.1	4.5	41.4	
3470	106,287	270,728	377,015	268,545	868,898	1,137,443	3.2	4.5	45.1	
3450	54,120	286,321	340,441	127,731	911,071	1,038,802	2.8	4.4	31.2	
3430	112,392	209,774	322,166	268,636	653,471	922,107	3.0	4.9	31.4	
3410	155,652	185,909	341,561	367,044	579,425	946,469	2.9	4.6	36.0	
3390	108,214	64,755	172,969	253,407	184,084	437,491	2.1	3.8	26.2	
3370	94,082	17,402	111,484	219,245	51,448	270,693	2.9	4.6	25.6	
3350	34,473	40,161	74,634	79,895	121,595	201,490	2.5	5.9	27.3	
3330	55,113	58,007	113,120	130,999	160,932	291,931	2.0	4.1	30.1	
TOTAL	13,999,511	2,161,491	16,161,002	32,624,941	6,928,796	39,553,737	3.1	4.5	39.3	

STRIPPING RATIO = 6.48 BCY WASTE/BCY ORE
 4.71 SDT WASTE/SDT ORE

CUT OFF= 4 PERCENT			PHASE= D			Pb	Zn	Ag	
BENCH	WASTE	BCY'S ORE	TOTAL	WASTE	SDT'S ORE	TOTAL	%	%	gm/DMT
4030									
4010									
3990									
3970									
3950									
3930	18,000	0	18,000	41,717	0	41,717	0.0	0.0	0.0
3910	18,000	0	18,000	41,717	0	41,717	0.0	0.0	0.0
3890	212,000	0	212,000	493,699	0	493,699	0.0	0.0	0.0
3870	211,000	0	211,000	489,038	0	489,038	0.0	0.0	0.0
3850	314,789	4,695	319,484	732,491	13,990	746,481	2.6	4.4	37.9
3830	345,138	16,996	362,134	806,632	51,386	858,018	2.0	3.5	34.2
3810	360,906	53,704	414,610	845,004	154,242	999,246	2.5	3.8	35.0
3790	308,058	85,820	393,878	713,955	252,780	966,735	3.3	4.8	49.8
3770	304,971	71,651	376,622	718,758	220,124	938,882	3.2	5.1	45.3
3750	282,194	96,105	378,299	677,193	297,106	974,299	2.8	4.2	39.7
3730	239,120	105,556	344,676	569,466	339,360	908,826	2.5	3.9	33.3
3710	222,971	138,356	361,327	521,339	443,789	965,128	2.3	3.7	34.2
3690	228,255	80,377	308,632	562,222	249,178	811,400	2.2	3.6	31.9
3670	237,207	93,476	330,683	566,952	310,374	877,326	2.1	3.5	28.6
3650	224,883	106,655	331,538	539,710	341,958	881,668	2.8	4.1	30.3
3630	251,153	109,790	360,943	625,145	357,240	982,385	2.5	3.2	32.1
3610	169,604	163,139	332,743	394,041	531,529	925,570	3.1	5.2	39.7
3590	132,449	169,629	302,078	310,246	555,585	865,831	3.1	5.0	36.0
3570	112,507	151,064	263,571	283,005	491,989	774,994	2.8	4.3	35.8
3550	84,738	149,885	234,623	215,992	494,321	710,313	2.4	3.9	31.4
3530	44,675	136,234	180,909	110,087	461,322	571,409	2.9	4.0	37.9
3510	30,131	122,568	152,699	72,307	413,260	485,567	3.5	5.6	33.6
3490	12,845	105,366	118,211	31,419	363,318	394,737	2.6	5.1	23.0
3470	35,464	82,361	117,825	82,191	280,107	362,298	3.1	6.2	23.5
3450	33,178	84,739	117,917	76,893	266,176	343,069	3.5	6.2	33.0
3430	56,696	34,988	91,684	131,399	100,730	232,129	2.6	5.2	33.9
3410									
3390									
3370									
3350									
3330									
TOTAL	4,490,932	2,163,154	6,654,086	10,652,619	6,989,864	17,642,483	2.8	4.5	34.3

STRIPPING RATIO = 2.08 BCY WASTE/BCY ORE
 1.52 SDT WASTE/SDT ORE

CUT OFF= 6 PERCENT				PHASE= ALL PHASES						
BENCH	BCY'S			SDT'S			Pb	Zn	Ag	
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL	%	%	(gm/DMT)	
4030										
4010										
3990	145,000	0	145,000	336,052	0	336,052	0.0	0.0	0.0	
3970	165,000	0	165,000	382,404	0	382,404	0.0	0.0	0.0	
3950	165,000	0	165,000	382,404	0	382,404	0.0	0.0	0.0	
3930	521,000	0	521,000	1,207,469	0	1,207,469	0.0	0.0	0.0	
3910	523,000	0	523,000	1,212,104	0	1,212,104	0.0	0.0	0.0	
3890	1,434,193	35,838	1,470,031	3,330,566	111,908	3,442,474	3.4	4.4	48.1	
3870	1,418,854	66,256	1,485,110	3,288,358	204,336	3,492,694	3.7	5.0	51.0	
3850	2,657,082	33,333	2,690,415	6,174,830	105,668	6,280,498	3.2	5.4	44.3	
3830	2,657,362	12,963	2,670,325	6,208,108	38,426	6,246,534	2.4	4.3	39.1	
3810	2,555,452	29,630	2,585,082	5,940,697	85,926	6,026,623	2.8	4.4	34.9	
3790	2,475,955	66,775	2,542,730	5,745,365	201,210	5,946,575	3.6	5.4	50.5	
3770	2,395,158	59,298	2,454,456	5,579,165	186,919	5,766,084	3.6	5.8	44.3	
3750	2,366,943	57,408	2,424,351	5,533,843	183,412	5,717,255	3.4	5.1	41.4	
3730	2,262,454	63,522	2,325,976	5,301,007	201,530	5,502,537	3.0	4.8	39.2	
3710	2,191,395	105,869	2,297,264	5,147,458	341,341	5,488,799	3.0	4.7	39.3	
3690	2,091,207	64,435	2,155,642	4,949,160	201,756	5,150,916	2.7	5.1	35.7	
3670	2,108,601	44,734	2,153,335	5,028,445	152,500	5,180,945	3.3	4.7	38.8	
3650	1,965,411	78,410	2,043,821	4,701,086	254,250	4,955,336	3.3	4.5	34.9	
3630	1,943,883	73,816	2,017,699	4,694,821	241,974	4,936,795	3.2	4.4	36.6	
3610	1,656,061	253,279	1,909,340	3,900,420	830,569	4,730,989	3.2	5.5	36.4	
3590	1,611,975	242,828	1,854,803	3,869,389	795,405	4,664,794	3.1	5.3	33.3	
3570	1,509,169	277,589	1,786,758	3,699,465	910,894	4,610,359	3.7	5.1	46.6	
3550	1,305,315	354,081	1,659,396	3,278,969	1,164,542	4,443,511	3.2	4.5	43.3	
3530	922,547	527,822	1,450,369	2,353,674	1,757,891	4,111,565	3.6	4.9	47.2	
3510	705,914	658,311	1,364,225	1,895,927	2,206,248	4,102,175	3.9	5.4	49.7	
3490	501,396	645,294	1,146,690	1,430,362	2,158,422	3,588,784	3.6	5.3	45.2	
3470	382,419	695,143	1,077,562	1,092,452	2,287,689	3,380,141	3.7	5.3	46.8	
3450	353,310	592,511	945,821	993,854	1,934,136	2,927,990	3.5	5.3	39.5	
3430	354,851	492,502	847,353	910,755	1,644,262	2,555,017	3.4	5.2	36.8	
3410	314,235	271,616	585,851	855,236	927,290	1,782,526	3.1	4.9	33.3	
3390	203,006	167,356	370,362	521,005	565,508	1,086,513	2.9	4.7	29.8	
3370	135,379	108,532	243,911	338,835	349,629	688,464	2.8	4.7	23.8	
3350	92,147	74,137	166,284	225,911	227,533	453,444	2.6	5.6	26.3	
3330	93,536	22,441	115,977	230,231	61,699	291,930	2.5	5.2	36.4	
TOTAL	42,184,210	6,175,729	48,359,939	100,739,825	20,332,873	121,072,698	3.5	5.1	41.9	

STRIPPING RATIO = 6.83 BCY WASTE/BCY ORE
 4.95 SDT WASTE/SDT ORE

BCY/BCY 6.8/1

T/T 4.8/1

2/1

CUT OFF= 6 PERCENT			PHASE= JB			Pb	Zn	Ag	
BENCH	WASTE	BCY's ORE	TOTAL	WASTE	SDT'S ORE	TOTAL	%	%	gm/DMT
4030									
4010									
3990									
3970									
3950									
3930									
3910									
3890	68,193	35,838	104,031	162,363	111,908	274,271	3.4	4.4	48.1
3870	42,854	66,256	109,110	99,319	204,336	303,655	3.7	5.0	51.0
3850	69,409	33,333	102,742	167,883	105,668	273,551	3.2	5.4	44.3
3830	50,910	12,963	63,873	136,806	38,426	175,232	2.4	4.3	39.1
3810									
3790									
3770									
3750									
3730									
3710									
3690									
3670									
3650									
3630									
3610									
3590									
3570									
3550									
3530									
3510									
3490									
3470									
3450									
3430									
3410									
3390									
3370									
3350									
3330									
TOTAL	231,366	148,390	379,756	566,371	460,338	1,026,709	3.4	4.9	47.8

STRIPPING RATIO = 1.56 BCY WASTE/BCY ORE
 1.23 SDT WASTE/SDT ORE

CUT OFF= 6 PERCENT				PHASE= A			Pb	Zn	Ag
BENCH	BCY's			SDT'S			%	%	gm/DMT
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL			
4030									
4010									
3990									
3970									
3950									
3930	56,000	0	56,000	129,786	0	129,786	0.0	0.0	0.0
3910	57,000	0	57,000	132,103	0	132,103	0.0	0.0	0.0
3890	325,000	0	325,000	753,218	0	753,218	0.0	0.0	0.0
3870	325,000	0	325,000	753,218	0	753,218	0.0	0.0	0.0
3850	744,508	0	744,508	1,725,469	0	1,725,469	0.0	0.0	0.0
3830	731,472	0	731,472	1,695,257	0	1,695,257	0.0	0.0	0.0
3810	716,289	0	716,289	1,660,069	0	1,660,069	0.0	0.0	0.0
3790	699,683	0	699,683	1,621,582	0	1,621,582	0.0	0.0	0.0
3770	685,998	0	685,998	1,589,867	0	1,589,867	0.0	0.0	0.0
3750	672,561	0	672,561	1,561,392	0	1,561,392	0.0	0.0	0.0
3730	632,894	6,115	639,009	1,466,794	20,916	1,487,710	4.7	5.2	66.7
3710	610,322	38,983	649,305	1,418,473	129,368	1,547,841	3.6	5.1	47.2
3690	603,636	29,331	632,967	1,425,970	96,126	1,522,096	2.9	5.6	37.1
3670	628,842	16,351	645,193	1,508,278	60,182	1,568,460	4.3	5.4	46.0
3650	605,562	5,556	611,118	1,479,875	18,945	1,498,820	4.0	4.5	40.6
3630	582,816	20,574	603,390	1,420,709	68,500	1,489,209	3.6	4.7	42.9
3610	489,049	80,206	569,255	1,153,902	261,684	1,415,586	3.0	5.6	27.3
3590	500,503	59,110	559,613	1,218,745	182,689	1,401,434	2.5	5.7	13.4
3570	527,316	25,962	553,278	1,321,285	78,284	1,399,569	3.1	5.3	35.7
3550	416,721	89,020	505,741	1,053,771	287,821	1,341,592	3.3	5.0	42.6
3530	210,507	204,681	415,188	523,255	686,545	1,209,800	3.5	5.4	41.1
3510	148,172	224,200	372,372	398,004	782,930	1,180,934	3.9	5.4	46.1
3490	145,585	126,725	272,310	439,899	445,126	885,025	4.4	5.7	55.1
3470	114,460	125,718	240,178	340,128	419,802	759,930	3.9	5.2	52.6
3450	52,360	121,203	173,563	149,816	399,732	549,548	3.4	5.0	44.4
3430	22,659	90,708	113,367	70,304	316,324	386,628	3.8	5.6	39.6
3410									
3390									
3370									
3350									
3330									
TOTAL	11,304,915	1,264,443	12,569,358	27,011,169	4,254,974	31,266,143	3.6	5.4	43.1

STRIPPING RATIO = 8.94 BCY WASTE/BCY ORE
 6.35 SDT WASTE/SDT ORE

CUT OFF= 6 PERCENT			PHASE= B			Pb	Zn	Ag
BENCH	BCY's		SDT's					
	WASTE	ORE	WASTE	ORE	TOTAL	%	%	gm/DMT
4030								
4010								
3990								
3970								
3950								
3930	25,000	0	57,939	0	57,939	0.0	0.0	0.0
3910	25,000	0	57,939	0	57,939	0.0	0.0	0.0
3890	211,000	0	489,012	0	489,012	0.0	0.0	0.0
3870	249,000	0	577,083	0	577,083	0.0	0.0	0.0
3850	689,736	0	1,598,530	0	1,598,530	0.0	0.0	0.0
3830	677,565	0	1,570,323	0	1,570,323	0.0	0.0	0.0
3810	618,161	0	1,432,649	0	1,432,649	0.0	0.0	0.0
3790	619,457	0	1,435,651	0	1,435,651	0.0	0.0	0.0
3770	607,001	0	1,406,785	0	1,406,785	0.0	0.0	0.0
3750	575,558	0	1,333,912	0	1,333,912	0.0	0.0	0.0
3730	606,370	0	1,405,321	0	1,405,321	0.0	0.0	0.0
3710	607,830	0	1,408,705	0	1,408,705	0.0	0.0	0.0
3690	572,143	0	1,325,997	0	1,325,997	0.0	0.0	0.0
3670	572,416	0	1,327,595	0	1,327,595	0.0	0.0	0.0
3650	534,497	0	1,243,209	0	1,243,209	0.0	0.0	0.0
3630	534,062	0	1,239,047	0	1,239,047	0.0	0.0	0.0
3610	507,035	0	1,182,126	0	1,182,126	0.0	0.0	0.0
3590	494,947	7,407	1,168,296	27,705	1,196,001	4.3	5.3	53.0
3570	447,708	72,669	1,048,217	247,376	1,295,593	4.4	5.4	53.7
3550	377,817	86,583	896,523	295,719	1,192,242	3.8	4.5	51.9
3530	319,570	113,247	827,491	371,089	1,198,580	3.8	4.7	55.1
3510	277,522	156,392	776,155	494,387	1,270,542	4.0	5.2	59.0
3490	155,784	188,125	448,186	604,666	1,052,852	3.9	5.7	51.7
3470	49,162	291,829	159,258	961,212	1,120,470	3.8	5.4	48.1
3450	114,780	194,363	366,612	629,959	996,571	4.0	5.4	47.1
3430	127,464	190,768	342,225	671,927	1,014,152	3.5	5.0	40.0
3410	97,081	143,212	324,318	511,739	836,057	3.0	4.8	30.1
3390	54,375	140,350	163,659	485,363	649,022	3.0	4.8	30.0
3370	34,728	97,486	100,212	317,559	417,771	2.7	4.6	23.5
3350	54,465	37,047	137,195	114,759	251,954	2.6	5.2	25.0
3330								
TOTAL	10,837,234	1,719,478	25,850,170	5,733,460	31,583,630	3.6	5.1	44.3

STRIPPING RATIO = 6.30 BCY WASTE/BCY ORE
 4.51 SDT WASTE/SDT ORE

CUT OFF= 6 PERCENT				PHASE= C				Pb	Zn	Ag
BENCH	BCY'S			SDT'S			%	%	µgm/DMT	
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL				
4030										
4010										
3990	145,000	0	145,000	336,052	0	336,052	0.0	0.0	0.0	
3970	165,000	0	165,000	382,404	0	382,404	0.0	0.0	0.0	
3950	165,000	0	165,000	382,404	0	382,404	0.0	0.0	0.0	
3930	422,000	0	422,000	978,026	0	978,026	0.0	0.0	0.0	
3910	423,000	0	423,000	980,344	0	980,344	0.0	0.0	0.0	
3890	618,000	0	618,000	1,432,274	0	1,432,274	0.0	0.0	0.0	
3870	591,000	0	591,000	1,369,700	0	1,369,700	0.0	0.0	0.0	
3850	835,550	0	835,550	1,936,467	0	1,936,467	0.0	0.0	0.0	
3830	840,398	0	840,398	1,947,704	0	1,947,704	0.0	0.0	0.0	
3810	834,769	0	834,769	1,934,659	0	1,934,659	0.0	0.0	0.0	
3790	821,978	6,005	827,983	1,905,013	17,594	1,922,607	3.1	4.5	38.1	
3770	773,031	10,861	783,892	1,795,912	34,637	1,830,549	2.4	4.8	26.0	
3750	793,930	1,852	795,782	1,840,894	6,759	1,847,653	3.2	4.4	48.0	
3730	733,812	0	733,812	1,700,680	0	1,700,680	0.0	0.0	0.0	
3710	672,126	3,266	675,392	1,557,717	9,409	1,567,126	2.8	4.7	35.0	
3690	636,601	3,351	639,952	1,480,916	10,508	1,491,424	2.7	5.1	37.0	
3670	601,535	1,375	602,910	1,403,099	4,465	1,407,564	3.2	4.1	41.3	
3650	562,197	3,704	565,901	1,318,120	13,519	1,331,639	4.1	4.6	51.0	
3630	501,101	16,667	517,768	1,170,319	55,835	1,226,154	3.2	4.8	35.0	
3610	458,155	41,208	499,363	1,070,896	136,811	1,207,707	3.2	4.4	38.9	
3590	450,555	39,019	489,574	1,074,358	127,170	1,201,528	3.2	4.6	38.3	
3570	366,728	80,807	447,535	873,120	267,084	1,140,204	3.8	5.0	50.0	
3550	366,423	86,039	452,462	922,597	276,766	1,199,363	3.1	4.3	45.6	
3530	309,780	110,184	419,964	768,179	363,597	1,131,776	4.1	4.6	56.3	
3510	241,038	164,477	405,515	619,150	545,982	1,165,132	4.2	5.1	56.8	
3490	186,594	225,691	412,285	508,909	747,262	1,256,171	3.3	4.8	44.8	
3470	173,970	204,329	378,299	482,975	654,468	1,137,443	3.6	4.9	50.0	
3450	150,278	194,708	344,986	393,802	645,000	1,038,802	3.2	5.0	31.5	
3430	147,911	176,149	324,060	366,528	555,580	922,108	3.2	5.3	31.8	
3410	217,154	128,404	345,558	530,918	415,551	946,469	3.3	5.1	37.2	
3390	148,631	27,006	175,637	357,346	80,145	437,491	2.6	4.4	28.4	
3370	100,651	11,046	111,697	238,623	32,070	270,693	3.5	5.2	26.6	
3350	37,682	37,090	74,772	88,716	112,774	201,490	2.5	6.0	27.7	
3330	93,536	22,441	115,977	230,231	61,699	291,930	2.5	5.2	36.4	
TOTAL	14,585,114	1,595,679	16,180,793	34,379,051	5,174,685	39,553,736	3.4	4.9	42.8	

STRIPPING RATIO = 9.14 BCY WASTE/BCY ORE
 6.64 SDT WASTE/SDT ORE

CUT OFF= 6 PERCENT				PHASE= D						
BENCH	BCY'S			SDT'S			Pb	Zn	Ag	
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL	%	%	gm/DMT	
4030										
4010										
3990										
3970										
3950										
3930	18,000	0	18,000	41,717	0	41,717	0.0	0.0	0.0	
3910	18,000	0	18,000	41,717	0	41,717	0.0	0.0	0.0	
3890	212,000	0	212,000	493,699	0	493,699	0.0	0.0	0.0	
3870	211,000	0	211,000	489,038	0	489,038	0.0	0.0	0.0	
3850	317,879	0	317,879	746,481	0	746,481	0.0	0.0	0.0	
3830	357,017	0	357,017	858,018	0	858,018	0.0	0.0	0.0	
3810	386,233	29,630	415,863	913,320	85,926	999,246	2.8	4.4	34.9	
3790	334,837	60,770	395,607	783,119	183,616	966,735	3.6	5.5	51.7	
3770	329,128	48,437	377,565	786,601	152,282	938,883	3.9	6.0	48.5	
3750	324,894	55,556	380,450	797,645	176,653	974,298	3.4	5.1	41.1	
3730	289,378	57,407	346,785	728,212	180,614	908,826	2.8	4.7	36.0	
3710	301,117	63,620	364,737	762,563	202,564	965,127	2.7	4.4	34.4	
3690	278,827	31,753	310,580	716,277	95,122	811,399	2.5	4.7	34.2	
3670	305,808	27,008	332,816	789,473	87,853	877,326	2.6	4.2	33.8	
3650	263,155	69,150	332,305	659,882	221,786	881,668	3.2	4.5	33.4	
3630	325,904	36,575	362,479	864,746	117,639	982,385	3.0	4.1	33.6	
3610	201,822	131,865	333,687	493,496	432,074	925,570	3.4	5.7	41.1	
3590	165,970	137,292	303,262	407,990	457,841	865,831	3.3	5.4	38.7	
3570	167,417	98,151	265,568	456,843	318,150	774,993	3.2	4.9	40.9	
3550	144,354	92,439	236,793	406,078	304,236	710,314	2.6	4.3	33.5	
3530	82,690	99,710	182,400	234,749	336,660	571,409	3.1	4.4	41.0	
3510	39,182	113,242	152,424	102,618	382,949	485,567	3.6	5.8	34.7	
3490	13,433	104,753	118,186	33,368	361,368	394,736	2.6	5.1	23.1	
3470	44,827	73,267	118,094	110,091	252,207	362,298	3.2	6.5	23.5	
3450	35,892	82,237	118,129	83,624	259,445	343,069	3.5	6.3	33.4	
3430	56,817	34,877	91,694	131,698	100,431	232,129	2.6	5.2	33.8	
3410										
3390										
3370										
3350										
3330										
TOTAL	5,225,581	1,447,739	6,673,320	12,933,064	4,709,416	17,642,480	3.1	5.2	36.2	

STRIPPING RATIO = 3.61 BCY WASTE/BCY ORE
 2.75 SDT WASTE/SDT ORE