

003148

CYPRUS ANVIL MINING CORPORATION

FARO MINE RESERVES

4% AND 6% CUTOFF

## PARAMETERS

- (1) The following tabulated values have been taken from the E3 computer model and are based on the NA, OA, PA, 7D, UB, WA, YA phasing. The grades and tonnages given here have not been adjusted. When used for planning, the grades and/or tonnages found in the computer model should be adjusted to more closely represent the deposit. These adjustment factors are based on a comparison between the modeled ore and actual ore which has been mined.
- (2) Where necessary, the values for benches which have been fully or partially mined have been recalculated and reflect the actual quantities existing in the pit as of November 1, 1984.
- (3) Discrepancies in the total waste volumes between the 4% and 6% reserves are due to calculation techniques used by the computer modelling system.
- (4) In addition to the values contained herein, there is a further possible supply of ore located adjacent to the south-east ramp of zone 3. This potential ore is not contained in the computer mine model, however, geological reserves are estimated by the CAMC Geology department to have the following values;

### 4% CUTOFF

	Pb (%)	Zn (%)	Ag (gm/DMT)	ORE (SDT)	WASTE (BCY)
PROVEN	4.2	4.8	67.9	231,600	79,300
PROBABLE	3.9	4.2	64.6	98,800	34,600
TOTAL	4.1	4.6	66.9	330,400	113,900

\* approximate stripping ratio = 1.2 BCY waste/BCY ore

### 6% CUTOFF

	Pb (%)	Zn (%)	Ag (gm/DMT)	ORE (SDT)	WASTE (BCY)
PROVEN	5.7	5.6	92.7	135,100	-
PROBABLE	3.9	4.2	108.8	39,900	-
TOTAL	4.1	4.6	96.4	175,000	-

(5) LEGEND

SDT = short dry tons	Pb = lead
DMT = dry metric tonnes	Zn = zinc
BCY = bank cubic yards	Ag = silver
gm = grams	

CYPRUS ANVIL MINING CORPORATION  
ENGINEERING DEPARTMENT  
December 7, 1984

CUT OFF= 4 PERCENT						PHASE= NA			
BENCH	BCY'S			SDT'S			Pb	Zn	Ag
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL	%	%	gm/DMT
4030									
4010									
3990									
3970									
3950									
3930									
3910	271,000	0	271,000	315,387	0	315,387	0.0	0.0	0.0
3890	260,704	46,296	307,000	604,809	141,818	746,627	3.2	4.2	46.5
3870	333,333	66,667	400,000	772,531	205,506	978,037	3.7	5.0	51.1
3850	649,794	62,963	712,757	1,509,281	187,595	1,696,876	2.6	4.4	37.9
3830	606,819	61,111	667,930	1,413,349	184,763	1,598,112	2.1	3.5	34.2
3810	503,641	53,058	556,699	1,175,182	152,348	1,327,530	2.5	3.8	35.0
3790	403,378	100,000	503,378	934,867	292,784	1,227,651	3.2	4.7	49.0
3770	335,317	73,428	408,745	792,023	225,356	1,017,379	3.1	4.8	44.0
3750	272,816	75,359	348,175	640,510	230,357	870,867	2.5	4.2	38.2
3730	195,533	66,166	261,699	459,515	210,636	670,151	2.2	3.6	30.2
3710	167,806	51,623	219,429	389,559	154,665	544,224	2.0	3.7	30.6
3690	131,950	15,371	147,321	306,133	44,341	350,474	2.3	4.2	37.1
3670	104,588	5,910	110,498	243,686	15,983	259,669	1.6	3.3	22.6
3650									
3630									
3610									
3590									
3570									
3550									
3530									
3510									
3490									
3470									
3450									
3430									
3410									
3390									
3370									
3350									
3330									
<b>TOTAL</b>	<b>4,236,679</b>	<b>677,952</b>	<b>4,914,631</b>	<b>9,556,832</b>	<b>2,046,152</b>	<b>11,602,984</b>	<b>2.7</b>	<b>4.2</b>	<b>40.1</b>

STRIPPING RATIO = 6.25 BCY WASTE/BCY ORE  
4.67 SDT WASTE/SDT ORE

CUT OFF= 4 PERCENT				PHASE= OA					
BENCH	BCY's			SDT's			Pb	Zn	Ag
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL	%	%	gm/DMT
4030									
4010									
3990									
3970									
3950									
3930									
3910									
3890									
3870	229,000	0	229,000	530,730	0	530,730	0.0	0.0	0.0
3850	0	0	0	0	0	0	0.0	0.0	0.0
3830	604,363	0	604,363	1,400,670	0	1,400,670	0.0	0.0	0.0
3810	289,775	0	289,775	671,582	0	671,582	0.0	0.0	0.0
3790	286,402	3,704	290,106	663,764	10,852	674,616	3.1	4.3	39.0
3770	263,435	19,034	282,469	610,536	60,019	670,555	2.8	5.0	31.2
3750	235,861	25,363	261,224	562,616	81,381	643,997	3.4	4.2	45.3
3730	184,109	39,849	223,958	438,666	130,368	569,034	2.9	4.4	38.4
3710	106,743	85,584	192,327	251,450	285,030	536,480	2.6	3.7	36.2
3690	94,622	59,215	153,837	250,715	186,540	437,255	2.2	3.6	31.0
3670	69,133	80,406	149,539	166,173	272,491	438,664	2.1	3.4	29.0
3650	81,347	51,676	133,023	191,116	169,235	360,351	2.9	3.9	32.3
3630	45,248	48,995	94,243	109,570	161,646	271,216	2.7	3.7	32.5
3610									
3590									
3570									
3550									
3530									
3510									
3490									
3470									
3450									
3430									
3410									
3390									
3370									
3350									
3330									
<b>TOTAL</b>	<b>2,490,038</b>	<b>413,826</b>	<b>2,903,864</b>	<b>5,847,588</b>	<b>1,357,562</b>	<b>7,205,150</b>	<b>2.6</b>	<b>3.8</b>	<b>33.7</b>

STRIPPING RATIO = 6.02 BCY WASTE/BCY ORE  
4.31 SDT WASTE/SDT ORE

CUT OFF= 4 PERCENT				PHASE= PA					
BENCH	BCY's			SDT's			Pb	Zn	Ag
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL	%	%	gm/DMT
4030									
4010									
3990									
3970									
3950									
3930									
3910									
3890									
3870	303,000	0	303,000	702,231	0	702,231	0.0	0.0	0.0
3850						0			
3830	462,396	0	462,396	1,071,647	0	1,071,647	0.0	0.0	0.0
3810									
3790	428,299	0	428,299	992,625	0	992,625	0.0	0.0	0.0
3770									
3750	350,053	0	350,053	811,283	0	811,283	0.0	0.0	0.0
3730									
3710	377,825	0	377,825	875,646	0	875,646	0.0	0.0	0.0
3690	172,461	4,587	177,048	404,686	13,440	418,126	2.1	3.9	31.4
3670	165,192	7,478	172,670	388,369	22,374	410,743	1.2	3.5	21.9
3650	123,801	48,485	172,286	301,665	153,452	455,117	2.6	4.2	27.6
3630	122,491	43,285	165,776	322,186	142,343	464,529	2.2	3.0	26.1
3610	51,036	115,983	167,019	118,280	387,928	506,208	3.3	5.6	39.2
3590	41,393	88,090	129,483	99,214	302,217	401,431	3.5	5.4	42.1
3570	21,313	58,059	79,372	59,654	202,187	261,841	2.6	4.1	33.2
3550	10,478	39,213	49,691	29,848	130,955	160,803	2.4	4.3	27.4
3530									
3510									
3490									
3470									
3450									
3430									
3410									
3390									
3370									
3350									
3330									
TOTAL	2,629,738	405,180	3,034,918	6,177,334	1,354,896	7,532,230	2.9	4.7	34.8

STRIPPING RATIO = 6.49 BCY WASTE/BCY ORE  
4.56 SDT WASTE/SDT ORE

CUT OFF= 4 PERCENT				PHASE= 7D					
BENCH	BCY's			SDT's			Pb	Zn	Ag
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL	%	%	gm/DMT
4030									
4010									
3990									
3970									
3950									
3930									
3910									
3890									
3870	246,000	0	246,000	570,129	0	570,129	0.0	0.0	0.0
3850									
3830	849,262	0	849,262	1,968,249	0	1,968,249	0.0	0.0	0.0
3810									
3790	723,533	0	723,533	1,676,859	0	1,676,859	0.0	0.0	0.0
3770									
3750	696,529	0	696,529	1,616,870	0	1,616,870	0.0	0.0	0.0
3730	311,489	6,181	317,670	721,905	21,110	743,015	4.7	5.2	66.7
3710	283,328	45,895	329,223	656,639	149,436	806,075	3.5	4.7	48.6
3690	302,298	51,461	353,759	710,578	163,262	873,840	2.5	4.6	31.7
3670	319,013	27,479	346,492	781,827	93,858	875,685	3.3	4.7	37.3
3650	287,471	27,203	314,674	717,200	89,499	806,699	2.5	3.2	34.0
3630	266,618	60,999	327,617	649,169	195,204	844,373	2.4	3.7	24.0
3610	223,150	85,738	308,888	519,051	278,299	797,350	2.9	5.4	26.7
3590	236,413	70,763	307,176	560,917	225,914	786,831	2.3	5.2	14.7
3570	274,361	36,298	310,659	689,046	112,016	801,062	2.4	4.7	24.7
3550	212,154	58,779	270,933	528,621	201,071	729,692	3.1	5.3	35.3
3530	87,297	68,401	155,698	202,996	242,686	445,682	3.5	5.4	40.1
3510	44,285	76,095	120,380	102,634	274,733	377,367	3.9	5.0	46.8
3490									
3470									
3450									
3430									
3410									
3390									
3370									
3350									
3330									
<b>TOTAL</b>	<b>5,363,201</b>	<b>615,292</b>	<b>5,978,493</b>	<b>12,672,690</b>	<b>2,047,088</b>	<b>14,719,778</b>	<b>3.0</b>	<b>4.9</b>	<b>33.4</b>

STRIPPING RATIO = 8.72 BCY WASTE/BCY ORE  
6.19 SDT WASTE/SDT ORE

CUT OFF= 4 PERCENT				PHASE= UB				Pb	Zn	Ag
BENCH	BCY's			SDT's			%	%	gm/DMT	
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL				
4030										
4010										
3990										
3970										
3950										
3930										
3910										
3890										
3870	527,000	0	527,000	1,221,373	0	1,221,373	0.0	0.0	0.0	
3850										
3830	755,369	0	755,369	1,750,641	0	1,750,641	0.0	0.0	0.0	
3810										
3790	910,047	0	910,047	2,109,122	0	2,109,122	0.0	0.0	0.0	
3770										
3750	1,067,316	0	1,067,316	2,473,609	0	2,473,609	0.0	0.0	0.0	
3730										
3710	1,128,240	0	1,128,240	2,614,804	0	2,614,804	0.0	0.0	0.0	
3690										
3670	1,043,211	0	1,043,211	2,424,760	0	2,424,760	0.0	0.0	0.0	
3650	483,421	12,963	496,384	1,129,279	40,242	1,169,521	2.2	3.8	26.4	
3630	462,320	31,497	493,817	1,075,116	95,852	1,170,968	2.3	4.2	25.0	
3610	415,731	53,818	469,549	976,361	170,904	1,147,265	2.5	3.5	27.4	
3590	400,672	59,515	460,187	966,443	188,727	1,155,170	2.5	3.9	25.6	
3570	365,982	92,226	458,208	901,437	308,564	1,210,001	2.9	4.0	34.4	
3550	271,436	187,655	459,091	679,635	622,144	1,301,779	2.6	3.7	33.8	
3530	159,652	309,252	468,904	426,756	1,026,395	1,453,151	2.7	4.1	34.9	
3510	134,370	314,176	448,546	411,602	1,076,861	1,488,463	3.1	4.5	35.3	
3490	160,399	193,505	353,904	489,671	669,352	1,159,023	3.3	4.3	43.5	
3470	94,957	218,038	312,995	267,814	736,173	1,003,987	2.8	3.9	38.8	
3450	46,952	181,054	228,006	110,982	603,303	714,285	2.9	4.3	35.9	
3430	68,183	124,708	192,891	164,501	432,728	597,229	3.1	4.9	33.9	
3410										
3390										
3370										
3350										
3330										
<b>TOTAL</b>	<b>8,495,258</b>	<b>1,778,407</b>	<b>10,273,665</b>	<b>20,193,906</b>	<b>5,971,245</b>	<b>26,165,151</b>	<b>2.9</b>	<b>4.2</b>	<b>35.6</b>	

STRIPPING RATIO = 4.78 BCY WASTE/BCY ORE  
3.38 SDT WASTE/SDT ORE

CUT OFF= 4 PERCENT				PHASE= WA						
BENCH	BCY's			SDT's			Pb	Zn	Ag	
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL	%	%	gm/DMT	
4030	0	0	0	0	0	0	0.0	0.0	0.0	
4010	0	0	0	0	0	0	0.0	0.0	0.0	
3990	58,000	0	58,000	134,421	0	134,421	0.0	0.0	0.0	
3970	0	0	0	0	0	0	0.0	0.0	0.0	
3950	419,000	0	419,000	971,073	0	971,073	0.0	0.0	0.0	
3930	0	0	0	0	0	0	0.0	0.0	0.0	
3910	582,000	0	582,000	1,348,842	0	1,348,842	0.0	0.0	0.0	
3890	0	0	0	0	0	0	0.0	0.0	0.0	
3870	834,000	0	834,000	1,932,876	0	1,932,876	0.0	0.0	0.0	
3850	0	0	0	0	0	0	0.0	0.0	0.0	
3830	1,335,362	0	1,335,362	3,094,830	0	3,094,830	0.0	0.0	0.0	
3810	0	0	0	0	0	0	0.0	0.0	0.0	
3790	1,481,073	0	1,481,073	3,432,529	0	3,432,529	0.0	0.0	0.0	
3770	0	0	0	0	0	0	0.0	0.0	0.0	
3750	1,536,711	0	1,536,711	3,561,474	0	3,561,474	0.0	0.0	0.0	
3730	806,432	0	806,432	1,868,985	0	1,868,985	0.0	0.0	0.0	
3710	805,971	248	806,219	1,867,915	904	1,868,819	2.0	3.6	31.0	
3690	798,074	2,297	800,371	1,849,613	6,730	1,856,343	1.9	3.5	31.7	
3670	773,443	4,695	778,138	1,796,813	14,420	1,811,233	2.4	3.5	35.6	
3650	754,580	9,906	764,486	1,752,989	31,112	1,784,101	2.5	4.3	33.5	
3630	742,529	20,876	763,405	1,727,101	64,627	1,791,728	2.3	2.8	39.6	
3610	678,301	56,753	735,054	1,572,168	173,884	1,746,052	3.0	4.3	45.0	
3590	653,843	79,155	732,998	1,527,591	253,901	1,781,492	2.9	4.4	39.2	
3570	534,580	172,384	706,964	1,238,942	557,109	1,796,051	4.0	5.1	51.7	
3550	451,924	230,834	682,758	1,047,915	752,025	1,799,940	3.1	3.9	44.5	
3530	330,467	318,161	648,628	767,940	1,046,973	1,814,913	3.7	4.6	51.8	
3510	207,085	418,201	625,286	483,058	1,361,803	1,844,861	4.0	5.3	53.9	
3490	97,209	571,246	668,455	251,632	1,898,063	2,149,695	3.2	4.8	41.2	
3470	87,756	532,341	620,097	234,179	1,758,248	1,992,427	3.5	5.0	43.5	
3450	39,722	470,350	510,072	96,933	1,563,710	1,660,643	3.2	4.6	36.1	
3430	133,210	395,611	528,821	319,972	1,331,935	1,651,907	3.0	4.6	33.5	
3410	0	0	0	0	0	0	0.0	0.0	0.0	
3390	0	0	0	0	0	0	0.0	0.0	0.0	
3370	0	0	0	0	0	0	0.0	0.0	0.0	
3350	0	0	0	0	0	0	0.0	0.0	0.0	
3330	0	0	0	0	0	0	0.0	0.0	0.0	
TOTAL	14,141,272	3,283,058	17,424,330	32,879,791	10,815,444	43,695,235	3.4	4.7	43.3	

STRIPPING RATIO = 4.31 BCY WASTE/BCY ORE  
3.04 SDT WASTE/SDT ORE

CUT OFF= 4 PERCENT				PHASE= YA				Pb	Zn	Ag
BENCH	BCY's			SDT's			%	%	gm/DMT	
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL				
4030										
4010										
3990										
3970										
3950										
3930										
3910										
3890										
3870										
3850										
3830										
3810										
3790	9,470	0	9,470	21,947	0	21,947	0.0	0.0	0.0	
3770										
3750	80,368	0	80,368	186,261	0	186,261	0.0	0.0	0.0	
3730										
3710	166,920	0	166,920	386,853	0	386,853	0.0	0.0	0.0	
3690										
3670	246,202	0	246,202	570,598	0	570,598	0.0	0.0	0.0	
3650										
3630	279,633	0	279,633	648,077	0	648,077	0.0	0.0	0.0	
3610										
3590	311,754	0	311,754	722,521	0	722,521	0.0	0.0	0.0	
3570	125,949	0	125,949	291,899	0	291,899	0.0	0.0	0.0	
3550	169,101	271	169,372	391,907	795	392,702	2.3	4.0	37.0	
3530	185,500	1,126	186,626	430,447	3,582	434,029	2.8	4.8	38.0	
3510	196,274	12,084	208,358	457,902	37,286	495,188	2.5	3.9	26.2	
3490	141,390	83,941	225,331	329,233	251,298	580,531	3.6	5.6	45.0	
3470	85,049	159,998	245,047	198,415	501,654	700,069	3.7	5.4	48.7	
3450	64,250	163,918	228,168	151,208	493,014	644,222	3.4	5.0	39.7	
3430	114,429	111,396	225,825	266,471	334,467	600,938	3.8	5.7	44.4	
3410	85,928	467,913	553,841	206,238	1,587,658	1,793,896	2.6	4.1	29.1	
3390	136,043	307,551	443,594	340,012	994,271	1,334,283	2.7	4.3	29.5	
3370	99,320	205,765	305,085	236,529	643,152	879,681	2.5	4.4	24.0	
3350	77,349	133,788	211,137	180,895	394,903	575,798	2.3	4.9	27.6	
3330	51,412	52,926	104,338	121,485	145,485	266,970	2.0	4.3	29.4	
TOTAL	2,626,341	1,700,677	4,327,018	6,138,898	5,387,565	11,526,463	2.9	4.6	32.9	

STRIPPING RATIO = 1.54 BCY WASTE/BCY ORE  
1.14 SDT WASTE/SDT ORE

CUT OFF= 4 PERCENT				PHASE= ALL PHASES						
BENCH	BCY'S			SDT'S			Pb	Zn	Ag	
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL	%	%	g#/DMT	
4030										
4010										
3990	58,000	0	58,000	134,421	0	134,421	0.0	0.0	0.0	
3970										
3950	419,000	0	419,000	971,073	0	971,073	0.0	0.0	0.0	
3930										
3910	853,000	0	853,000	1,664,229	0	1,664,229	0.0	0.0	0.0	
3890	260,704	46,296	307,000	604,809	141,818	746,627	3.2	4.2	46.5	
3870	2,472,333	66,667	2,539,000	5,729,870	205,506	5,935,376	3.7	5.0	51.1	
3850	649,794	62,963	712,757	1,509,281	187,595	1,696,876	2.6	4.4	37.9	
3830	4,613,571	61,111	4,674,682	10,699,386	184,763	10,884,149	2.1	3.5	34.2	
3810	793,416	53,058	846,474	1,846,764	152,348	1,999,112	2.5	3.8	35.0	
3790	4,242,202	103,704	4,345,906	9,831,713	303,636	10,135,349	3.2	4.7	48.6	
3770	598,752	92,462	691,214	1,402,559	285,375	1,687,934	3.0	4.8	41.3	
3750	4,239,654	100,722	4,340,376	9,852,623	311,738	10,164,361	2.7	4.2	40.1	
3730	1,497,563	112,196	1,609,759	3,489,071	362,114	3,851,185	2.6	4.0	35.3	
3710	3,036,833	183,350	3,220,183	7,042,866	590,035	7,632,901	2.7	4.0	37.9	
3690	1,499,405	132,931	1,632,336	3,521,725	414,313	3,936,038	2.3	4.1	32.0	
3670	2,720,782	125,968	2,846,750	6,372,226	419,126	6,791,352	2.3	3.7	30.5	
3650	1,730,620	150,233	1,880,853	4,092,249	483,540	4,575,789	2.6	3.9	30.7	
3630	1,918,839	205,652	2,124,491	4,531,219	659,672	5,190,891	2.4	3.5	28.2	
3610	1,368,218	312,292	1,680,510	3,185,860	1,011,015	4,196,875	3.0	5.0	34.8	
3590	1,644,075	297,523	1,941,598	3,876,686	970,759	4,847,445	2.9	4.8	31.8	
3570	1,322,185	358,967	1,681,152	3,180,978	1,179,876	4,360,854	3.3	4.6	41.4	
3550	1,115,093	516,752	1,631,845	2,677,926	1,706,990	4,384,916	2.9	4.0	38.2	
3530	762,916	696,940	1,459,856	1,828,139	2,319,636	4,147,775	3.2	4.5	43.1	
3510	582,014	820,556	1,402,570	1,455,196	2,750,683	4,205,879	3.6	4.9	45.5	
3490	398,998	848,692	1,247,690	1,070,536	2,818,713	3,889,249	3.3	4.8	42.1	
3470	267,762	910,377	1,178,139	700,408	2,996,075	3,696,483	3.4	4.8	43.2	
3450	150,924	815,322	966,246	359,123	2,660,027	3,019,150	3.2	4.6	36.7	
3430	315,822	631,715	947,537	750,944	2,099,130	2,850,074	3.1	4.8	35.3	
3410	85,928	467,913	553,841	206,238	1,587,658	1,793,896	2.6	4.1	29.1	
3390	136,043	307,551	443,594	340,012	994,271	1,334,283	2.7	4.3	29.5	
3370	99,320	205,765	305,085	236,529	643,152	879,681	2.5	4.4	24.0	
3350	77,349	133,788	211,137	180,895	394,903	575,798	2.3	4.9	27.6	
3330	51,412	52,926	104,338	121,485	145,485	266,970	2.0	4.3	29.4	
TOTAL	39,982,527	8,874,392	48,856,919	93,467,039	28,979,952	122,446,991	3.1	4.5	38.0	

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

CUT OFF= 6 PERCENT						PHASE= NA			
BENCH	BCY'S			SDT'S			Pb	Zn	Ag
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL	%	%	gm/DMT
4030									
4010									
3990									
3970									
3950									
3930									
3910	271,000	0	271,000	315,387	0	315,387	0.0	0.0	0.0
3890	269,963	37,037	307,000	631,494	115,133	746,627	3.4	4.4	48.2
3870	333,333	66,667	400,000	772,531	205,506	978,037	3.7	5.0	51.1
3850	681,442	33,333	714,775	1,591,208	105,668	1,696,876	3.2	5.4	44.3
3830	653,345	16,667	670,012	1,548,833	49,278	1,598,111	2.5	4.5	40.0
3810	528,302	29,630	557,932	1,241,605	85,926	1,327,531	2.8	4.4	34.9
3790	433,116	72,222	505,338	1,011,368	216,283	1,227,651	3.5	5.3	50.5
3770	364,290	45,650	409,940	873,413	143,967	1,017,380	3.8	5.8	48.5
3750	313,861	36,470	350,331	753,123	117,745	870,868	3.2	5.4	39.0
3730	237,871	25,613	263,484	590,672	79,479	670,151	2.5	4.4	33.7
3710	205,687	15,718	221,405	494,686	49,537	544,223	2.5	4.3	27.5
3690	138,563	9,192	147,755	323,461	27,014	350,475	2.6	4.8	43.3
3670	110,979	0	110,979	259,669	0	259,669	0.0	0.0	0.0
3650									
3630									
3610									
3590									
3570									
3550									
3530									
3510									
3490									
3470									
3450									
3430									
3410									
3390									
3370									
3350									
3330									
<b>TOTAL</b>	<b>4,541,752</b>	<b>388,199</b>	<b>4,929,951</b>	<b>10,407,450</b>	<b>1,195,536</b>	<b>11,602,986</b>	<b>3.3</b>	<b>5.0</b>	<b>44.7</b>

STRIPPING RATIO = 11.70 BCY WASTE/BCY ORE  
8.71 SDT WASTE/SDT ORE

CUT OFF= 6 PERCENT				PHASE= 0A					
BENCH	BCY's			SDT's			Pb	Zn	Ag
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL	%	%	gm/DMT
4030									
4010									
3990									
3970									
3950									
3930									
3910									
3890									
3870	229,000	0	229,000	530,730	0	530,730	0.0	0.0	0.0
3850									
3830	604,363	0	604,363	1,400,670	0	1,400,670	0.0	0.0	0.0
3810	289,775	0	289,775	671,582	0	671,582	0.0	0.0	0.0
3790	286,402	3,704	290,106	663,764	10,852	674,616	3.1	4.3	39.0
3770	265,366	17,183	282,549	617,296	53,260	670,556	2.9	5.2	32.9
3750	239,723	21,659	261,382	576,135	67,862	643,997	3.6	4.6	45.4
3730	191,897	32,382	224,279	465,923	103,111	569,034	2.9	4.9	37.6
3710	142,377	51,233	193,610	373,899	162,580	536,479	2.7	4.4	36.5
3690	131,255	24,074	155,329	364,532	72,723	437,255	2.5	4.7	32.0
3670	125,822	25,396	151,218	356,185	82,478	438,663	2.6	4.2	33.7
3650	98,135	35,179	133,314	245,610	114,742	360,352	3.2	4.3	33.9
3630	69,030	25,798	94,828	188,671	82,545	271,216	3.1	4.4	37.8
3610									
3590									
3570									
3550									
3530									
3510									
3490									
3470									
3450									
3430									
3410									
3390									
3370									
3350									
3330									
<b>TOTAL</b>	<b>2,673,145</b>	<b>236,608</b>	<b>2,909,753</b>	<b>6,454,997</b>	<b>750,153</b>	<b>7,205,150</b>	<b>2.9</b>	<b>4.5</b>	<b>36.2</b>

STRIPPING RATIO = 11.30 BCY WASTE/BCY ORE  
8.60 SDT WASTE/SDT ORE

CUT OFF= 6 PERCENT						PHASE= PA			
BENCH	BCY's			SDT's			Pb	Zn	Ag
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL	%	%	gm/DMT
4030									
4010									
3990									
3970									
3950									
3930									
3910									
3890									
3870	303,000	0	303,000	702,231	0	702,231	0.0	0.0	0.0
3850									
3830	462,396	0	462,396	1,071,647	0	1,071,647	0.0	0.0	0.0
3810									
3790	428,299	0	428,299	992,625	0	992,625	0.0	0.0	0.0
3770									
3750	350,053	0	350,053	811,283	0	811,283	0.0	0.0	0.0
3730									
3710	377,825	0	377,825	875,646	0	875,646	0.0	0.0	0.0
3690	174,813	2,307	177,120	411,366	6,760	418,126	2.6	4.8	36.0
3670	172,698	71	172,769	410,536	207	410,743	3.2	4.3	42.0
3650	144,944	27,714	172,658	367,258	87,858	455,116	3.2	4.9	32.8
3630	154,015	11,831	165,846	426,089	38,441	464,530	2.7	3.8	24.9
3610	66,338	100,833	167,171	165,334	340,875	506,209	3.5	5.9	41.3
3590	59,104	70,716	129,820	153,359	248,072	401,431	3.8	5.9	45.9
3570	47,950	32,551	80,501	148,314	113,527	261,841	2.9	5.2	36.3
3550	26,674	23,842	50,516	80,327	80,477	160,804	2.7	4.7	27.7
3530									
3510									
3490									
3470									
3450									
3430									
3410									
3390									
3370									
3350									
3330									
<b>TOTAL</b>	<b>2,768,109</b>	<b>269,865</b>	<b>3,037,974</b>	<b>6,616,015</b>	<b>916,217</b>	<b>7,532,232</b>	<b>3.4</b>	<b>5.5</b>	<b>39.2</b>

STRIPPING RATIO = 10.26 BCY WASTE/BCY ORE  
7.22 SDT WASTE/SDT ORE

CUT OFF= 6 PERCENT				PHASE= 7D					
BENCH	BCY's			SDT's			Pb	Zn	Ag
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL	Z	Z	gm/DMT
4030									
4010									
3990									
3970									
3950									
3930									
3910									
3890									
3870	246,000	0	246,000	570,129	0	570,129	0.0	0.0	0.0
3850									
3830	849,262	0	849,262	1,968,249	0	1,968,249	0.0	0.0	0.0
3810									
3790	723,533	0	723,533	1,676,859	0	1,676,859	0.0	0.0	0.0
3770									
3750	696,529	0	696,529	1,616,870	0	1,616,870	0.0	0.0	0.0
3730	311,489	6,181	317,670	721,905	21,110	743,015	4.7	5.2	66.7
3710	290,970	38,488	329,458	678,343	127,732	806,075	3.6	5.0	47.2
3690	324,540	29,238	353,778	778,006	95,834	873,840	2.9	5.6	37.2
3670	330,831	16,368	347,199	815,439	60,246	875,685	4.3	5.4	46.0
3650	309,136	5,556	314,692	787,755	18,945	806,700	4.0	4.5	40.6
3630	307,328	20,964	328,292	774,694	69,678	844,372	3.6	4.7	42.6
3610	231,455	77,531	308,986	543,538	253,812	797,350	3.1	5.6	27.7
3590	258,981	48,667	307,648	634,753	152,078	786,831	2.6	5.9	12.5
3570	289,986	20,418	310,404	739,445	61,617	801,062	3.2	5.7	35.6
3550	224,152	46,906	271,058	569,834	159,858	729,692	3.5	5.7	40.3
3530	91,522	64,349	155,871	217,785	227,897	445,682	3.6	5.5	42.1
3510	47,845	72,681	120,526	115,097	262,270	377,367	4.0	5.1	48.2
3490									
3470									
3450									
3430									
3410									
3390									
3370									
3350									
3330									
TOTAL	5,533,559	447,347	5,980,906	13,208,701	1,511,077	14,719,778	3.5	5.4	37.9

STRIPPING RATIO = 12.37 BCY WASTE/BCY ORE  
8.74 SDT WASTE/SDT ORE

CUT OFF= 6 PERCENT				PHASE= UB					
BENCH	BCY's			SDT's			Pb	Zn	Ag
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL	%	%	gm/DMT
4030									
4010									
3990									
3970									
3950									
3930									
3910									
3890									
3870	527,000	0	527,000	1,221,373	0	1,221,373	0.0	0.0	0.0
3850									
3830	755,369	0	755,369	1,750,641	0	1,750,641	0.0	0.0	0.0
3810									
3790	910,047	0	910,047	2,109,122	0	2,109,122	0.0	0.0	0.0
3770									
3750	1,067,316	0	1,067,316	2,473,609	0	2,473,609	0.0	0.0	0.0
3730									
3710	1,128,240	0	1,128,240	2,614,804	0	2,614,804	0.0	0.0	0.0
3690									
3670	1,043,211	0	1,043,211	2,424,760	0	2,424,760	0.0	0.0	0.0
3650	492,995	3,704	496,699	1,156,002	13,519	1,169,521	4.1	4.6	51.0
3630	482,909	12,276	495,185	1,127,996	42,971	1,170,967	3.4	5.1	37.3
3610	446,473	23,875	470,348	1,064,147	83,118	1,147,265	3.0	4.0	32.1
3590	428,705	31,637	460,342	1,050,537	104,633	1,155,170	2.9	4.5	28.4
3570	411,224	47,656	458,880	1,044,581	165,420	1,210,001	3.6	4.9	42.5
3550	366,473	95,533	462,006	984,529	317,250	1,301,779	3.1	4.5	42.8
3530	296,965	174,291	471,256	875,230	577,921	1,453,151	3.3	4.9	39.1
3510	237,565	212,169	449,734	762,625	725,838	1,488,463	3.6	5.2	38.7
3490	251,555	102,586	354,141	791,751	367,272	1,159,023	4.3	5.6	52.6
3470	206,440	109,494	315,934	634,418	369,569	1,003,987	3.6	4.9	47.7
3450	110,032	119,614	229,646	315,012	399,273	714,285	3.2	5.0	39.4
3430	109,839	84,676	194,515	297,932	299,297	597,229	3.7	5.7	38.7
3410									
3390									
3370									
3350									
3330									
TOTAL	9,272,358	1,017,511	10,289,869	22,699,069	3,466,081	26,165,150	3.5	5.0	41.4

STRIPPING RATIO = 9.11 BCY WASTE/BCY ORE  
6.55 SDT WASTE/SDT ORE

CUT OFF= 6 PERCENT				PHASE= WA					
BENCH	BCY's			SDT's			Pb	Zn	Ag
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL	%	%	gm/DMT
4030									
4010									
3990	58,000	0	58,000	134,421	0	134,421	0.0	0.0	0.0
3970									
3950	419,000	0	419,000	971,073	0	971,073	0.0	0.0	0.0
3930									
3910	582,000	0	582,000	1,348,842	0	1,348,842	0.0	0.0	0.0
3890									
3870	834,000	0	834,000	1,932,876	0	1,932,876	0.0	0.0	0.0
3850									
3830	1,335,362	0	1,335,362	3,094,830	0	3,094,830	0.0	0.0	0.0
3810									
3790	1,481,073	0	1,481,073	3,432,529	0	3,432,529	0.0	0.0	0.0
3770									
3750	1,536,711	0	1,536,711	3,561,474	0	3,561,474	0.0	0.0	0.0
3730									
3710	1,612,661	0	1,612,661	3,737,804	0	3,737,804	0.0	0.0	0.0
3690	800,444	0	800,444	1,856,343	0	1,856,343	0.0	0.0	0.0
3670	775,452	2,843	778,295	1,801,795	9,438	1,811,233	2.9	3.9	38.6
3650	759,007	5,735	764,742	1,766,436	17,665	1,784,101	3.1	4.7	35.0
3630	761,690	2,308	763,998	1,785,372	6,356	1,791,728	2.6	4.0	28.7
3610	691,262	44,428	735,690	1,612,879	133,172	1,746,051	3.1	4.6	44.4
3590	665,366	68,044	733,410	1,562,536	218,956	1,781,492	3.1	4.5	40.1
3570	538,288	168,857	707,145	1,249,775	546,276	1,796,051	4.0	5.1	52.1
3550	505,154	178,746	683,900	1,219,623	580,317	1,799,940	3.3	4.2	47.0
3530	361,748	287,910	649,658	865,565	949,347	1,814,912	3.8	4.7	53.5
3510	244,846	380,056	624,902	604,242	1,240,619	1,844,861	4.2	5.5	55.9
3490	188,723	480,169	668,892	541,615	1,608,079	2,149,694	3.4	5.2	43.0
3470	159,004	461,945	620,949	465,783	1,526,644	1,992,427	3.7	5.3	46.5
3450	170,330	344,959	515,289	508,028	1,152,615	1,660,643	3.5	5.3	37.7
3430	202,370	329,149	531,519	536,975	1,114,931	1,651,906	3.1	4.9	33.6
3410									
3390									
3370									
3350									
3330									
TOTAL	14,682,491	2,755,149	17,437,640	34,590,816	9,104,415	43,695,231	3.6	5.1	45.3

STRIPPING RATIO = 5.33 BCY WASTE/BCY ORE  
3.80 SDT WASTE/SDT ORE

CUT OFF= 6 PERCENT				PHASE= YA					
BENCH	BCY's		SDT's		Pb	Zn	Ag		
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL	%	%	gm/DMT
4030									
4010									
3990									
3970									
3950									
3930									
3910									
3890									
3870									
3850									
3830									
3810									
3790	9,470	0	9,470	21,947	0	21,947	0.0	0.0	0.0
3770									
3750	80,368	0	80,368	186,261	0	186,261	0.0	0.0	0.0
3730									
3710	166,920	0	166,920	386,853	0	386,853	0.0	0.0	0.0
3690									
3670	246,202	0	246,202	570,598	0	570,598	0.0	0.0	0.0
3650									
3630	279,633	0	279,633	648,077	0	648,077	0.0	0.0	0.0
3610									
3590	311,754	0	311,754	722,521	0	722,521	0.0	0.0	0.0
3570	125,949	0	125,949	291,899	0	291,899	0.0	0.0	0.0
3550	169,101	271	169,372	391,907	795	392,702	2.3	4.0	37.0
3530	185,500	1,126	186,626	430,447	3,582	434,029	2.8	4.8	38.0
3510	202,223	6,529	208,752	474,625	20,563	495,188	3.0	4.4	33.4
3490	143,301	82,089	225,390	334,659	245,872	580,531	3.6	5.6	45.3
3470	104,407	141,649	246,056	255,792	444,276	700,068	3.9	5.7	48.1
3450	105,927	124,271	230,198	268,523	375,699	644,222	3.8	5.5	42.8
3430	127,198	99,624	226,822	298,138	302,800	600,938	4.0	5.9	45.7
3410	304,875	260,269	565,144	882,077	911,819	1,793,896	3.0	4.8	32.6
3390	235,767	213,587	449,354	615,263	719,020	1,334,283	3.0	4.8	29.5
3370	156,585	151,743	308,328	397,251	482,430	879,681	2.7	4.8	24.2
3350	121,902	92,128	214,030	298,535	277,263	575,798	2.6	5.5	27.0
3330	78,300	28,066	106,366	190,139	76,831	266,970	2.4	5.2	31.2
TOTAL	3,155,382	1,201,352	4,356,734	7,665,512	3,860,950	11,526,462	3.2	5.2	35.2

STRIPPING RATIO = 2.63 BCY WASTE/BCY ORE  
1.99 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	58,000	0	58,000	134,421	0	134,421	0.0	0.0	0.0	
3970										
3950	419,000	0	419,000	971,073	0	971,073	0.0	0.0	0.0	
3930										
3910	853,000	0	853,000	1,664,229	0	1,664,229	0.0	0.0	0.0	
3890	269,963	37,037	307,000	631,494	115,133	746,627	3.4	4.4	48.2	
3870	2,472,333	66,667	2,539,000	5,729,870	205,506	5,935,376	3.7	5.0	51.1	
3850	681,442	33,333	714,775	1,591,208	105,668	1,696,876	3.2	5.4	44.3	
3830	4,660,097	16,667	4,676,764	10,834,870	49,278	10,884,148	2.5	4.5	40.0	
3810	818,077	29,630	847,707	1,913,187	85,926	1,999,113	2.8	4.4	34.9	
3790	4,271,940	75,926	4,347,866	9,908,214	227,135	10,135,349	3.5	5.3	50.0	
3770	629,656	62,833	692,489	1,490,709	197,227	1,687,936	3.6	5.6	44.3	
3750	4,284,561	58,129	4,342,690	9,978,755	185,607	10,164,362	3.3	5.1	41.3	
3730	741,257	64,176	805,433	1,778,500	203,700	1,982,200	2.9	4.7	39.1	
3710	3,924,680	105,439	4,030,119	9,162,035	339,849	9,501,884	3.0	4.6	39.2	
3690	1,569,615	64,811	1,634,426	3,733,708	202,331	3,936,039	2.7	5.1	36.1	
3670	2,805,195	44,678	2,849,873	6,638,982	152,369	6,791,351	3.3	4.7	38.9	
3650	1,804,217	77,888	1,882,105	4,323,061	252,729	4,575,790	3.3	4.6	35.0	
3630	2,054,605	73,177	2,127,782	4,950,899	239,991	5,190,890	3.2	4.5	36.8	
3610	1,435,528	246,667	1,682,195	3,385,898	810,977	4,196,875	3.3	5.4	36.6	
3590	1,723,910	219,064	1,942,974	4,123,706	723,739	4,847,445	3.2	5.3	34.6	
3570	1,413,397	269,482	1,682,879	3,474,014	886,840	4,360,854	3.7	5.1	47.1	
3550	1,291,554	345,298	1,636,852	3,246,220	1,138,697	4,384,917	3.2	4.5	43.5	
3530	935,735	527,676	1,463,411	2,389,027	1,758,747	4,147,774	3.6	4.9	47.3	
3510	732,479	671,435	1,403,914	1,956,589	2,249,290	4,205,879	4.0	5.3	49.2	
3490	583,579	664,844	1,248,423	1,668,025	2,221,223	3,889,248	3.6	5.3	44.8	
3470	469,851	713,088	1,182,939	1,355,993	2,340,489	3,696,482	3.7	5.3	47.0	
3450	386,289	588,844	975,133	1,091,563	1,927,587	3,019,150	3.5	5.3	39.0	
3430	439,407	513,449	952,856	1,133,045	1,717,028	2,850,073	3.4	5.2	36.6	
3410	304,875	260,269	565,144	882,077	911,819	1,793,896	3.0	4.8	32.6	
3390	235,767	213,587	449,354	615,263	719,020	1,334,283	3.0	4.8	29.5	
3370	156,585	151,743	308,328	397,251	482,430	879,681	2.7	4.8	24.2	
3350	121,902	92,128	214,030	298,535	277,263	575,798	2.6	5.5	27.0	
3330	78,300	28,066	106,366	190,139	76,831	266,970	2.4	5.2	31.2	
TOTAL	42,626,796	6,316,031	48,942,827	101,642,559	20,804,429	122,446,988	3.4	5.1	41.6	

STRIPPING RATIO = 6.75 BCY WASTE/BCY ORE  
4.89 SDT WASTE/SDT ORE

NA-OA-PA - scheduled = 20,875,596 tons sulfide  
D 71,167 ⇒ 0.3% no oxide / no S.F. RAMP  
7E-BA-9A-10 - scheduled = 21,157,868 tons sulfide

CUT OFF= 6 PERCENT				PHASE= 7E						
BENCH	BCY'S			SDT'S			Pb	Zn	Ag	
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL	%	%	gm/DMT	
4030										
4010										
3990										
3970										
3950										
3930	56,000		56,000	129,785		129,785				
3910	56,000		56,000	129,785		129,785				
3890	316,000		316,000	732,361		732,361				
3870	316,000		316,000	732,360		732,360				
3850	741,444		741,444	1,718,367		1,718,367				
3830	735,624		735,624	1,704,879		1,704,879				
3810	719,967		719,967	1,668,593		1,668,593				
3790	704,667		704,667	1,633,133		1,633,133				
3770	690,518		690,518	1,600,341		1,600,341				
3750	676,818		676,818	1,571,285		1,571,285				
3730	661,083	6,394	667,477	1,532,124	21,736	1,553,860	4.7	5.2	66.7	
3710	609,720	38,516	648,236	1,417,076	127,806	1,544,882	3.6	5.0	47.2	
3690	602,009	29,366	631,375	1,422,199	96,223	1,518,422	2.9	5.6	37.1	
3670	627,410	16,654	644,064	1,504,959	61,289	1,566,248	4.3	5.5	46.2	
3650	606,884	5,556	612,440	1,482,898	18,945	1,501,843	4.0	4.5	40.6	
3630	585,266	21,144	606,410	1,426,313	70,190	1,496,503	3.6	4.7	42.5	
3610	490,605	80,741	571,346	1,157,627	263,242	1,420,869	3.0	5.5	27.3	
3590	502,324	59,836	562,160	1,223,080	184,708	1,407,788	2.5	5.7	13.5	
3570	528,413	26,335	554,748	1,324,561	79,428	1,403,989	3.1	5.3	35.6	
3550	420,245	89,043	509,288	1,062,277	287,846	1,350,123	3.3	5.0	42.6	
3530	211,921	203,324	415,245	526,316	682,510	1,208,826	3.5	5.4	41.3	
3510	150,619	223,537	374,156	404,020	781,094	1,185,114	3.9	5.4	46.2	
3490	158,387	126,384	284,771	474,304	443,872	918,176	4.4	5.7	55.1	
3470	122,821	126,190	249,011	358,109	420,004	778,113	3.9	5.2	52.2	
3450	56,019	115,954	171,973	141,081	386,169	527,250	3.4	5.1	41.0	
3430										
3410										
3390										
3370										
3350										
3330										
TOTAL	11,346,764	1,168,974	12,515,738	27,077,834	3,925,062	31,002,896	3.6	5.3	43.0	

STRIPPING RATIO = 9.71 BCY WASTE/BCY ORE  
6.90 SDT WASTE/SDT ORE

CUT OFF= 6 PERCENT				PHASE= 8A				Pb	Zn	Ag
BENCH	WASTE	BCY'S ORE	TOTAL	WASTE	SDT'S ORE	TOTAL	%	%	lgm/DMT	
4030										
4010										
3990										
3970	51,000		51,000	118,198		118,198				
3950	52,000		52,000	120,515		120,515				
3930	103,000		103,000	238,713		238,713				
3910	103,000		103,000	238,713		238,713				
3890	227,000		227,000	526,095		526,095				
3870	226,000		226,000	523,777		523,777				
3850	714,239		714,239	1,655,317		1,655,317				
3830	690,467		690,467	1,600,225		1,600,225				
3810	631,444		631,444	1,463,431		1,463,431				
3790	623,556		623,556	1,445,151		1,445,151				
3770	579,445		579,445	1,342,921		1,342,921				
3750	564,102		564,102	1,307,360		1,307,360				
3730	544,624		544,624	1,262,218		1,262,218				
3710	553,927		553,927	1,283,779		1,283,779				
3690	450,001		450,001	1,042,921		1,042,921				
3670	444,076		444,076	1,030,156		1,030,156				
3650	414,426		414,426	964,050		964,050				
3630	406,698		406,698	943,642		943,642				
3610	385,842		385,842	894,444		894,444				
3590	378,518	1,998	380,516	882,464	7,473	889,937	3.3	4.2	36.3	
3570	326,177	3,807	329,984	766,573	11,629	778,202	3.6	4.0	51.8	
3550	301,245	22,060	323,305	707,510	72,285	779,795	3.0	4.6	39.0	
3530	256,186	42,069	298,255	630,552	145,651	776,203	4.5	5.4	62.7	
3510	226,321	82,253	308,574	580,025	264,474	844,499	4.6	5.6	62.3	
3490	123,454	154,517	277,971	343,594	496,039	839,633	4.1	5.9	51.9	
3470	65,230	207,506	272,736	195,495	685,902	881,397	4.1	5.8	47.9	
3450	80,155	164,839	244,994	228,021	514,315	742,336	4.1	5.6	50.1	
3430	183,801	191,550	375,351	471,888	659,313	1,131,201	3.8	5.7	42.7	
3410	143,090	59,412	202,502	436,459	210,541	647,000	3.1	4.6	34.5	
3390	54,945	76,238	131,183	140,751	266,314	407,065	3.0	4.6	25.3	
3370										
3350										
3330										
TOTAL	9,903,969	1,006,249	10,910,218	23,384,956	3,333,936	26,718,892	3.9	5.5	46.7	

STRIPPING RATIO = 9.84 BCY WASTE/BCY ORE  
7.01 SDT WASTE/SDT ORE

CUT OFF= 6 PERCENT				PHASE= 9A					
BENCH	BCY'S			SDT'S			Pb	Zn	Ag
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL	%	%	gm/DMT
4030									
4010									
3990	58,000		58,000	134,421		134,421			
3970	158,000		158,000	366,180		366,180			
3950	158,000		158,000	366,180		366,180			
3930	234,000		234,000	542,318		542,318			
3910	233,000		233,000	540,000		540,000			
3890	486,000		486,000	1,126,353		1,126,353			
3870	487,000		487,000	1,128,670		1,128,670			
3850	625,867		625,867	1,450,508		1,450,508			
3830	630,419		630,419	1,461,056		1,461,056			
3810	590,501		590,501	1,368,544		1,368,544			
3790	592,055		592,055	1,372,145		1,372,145			
3770	587,011		587,011	1,360,455		1,360,455			
3750	585,157		585,157	1,356,157		1,356,157			
3730	564,081		564,081	1,307,312		1,307,312			
3710	559,518		559,518	1,296,737		1,296,737			
3690	557,015		557,015	1,291,933		1,291,933			
3670	529,574		529,574	1,230,217		1,230,217			
3650	492,324		492,324	1,146,679		1,146,679			
3630	463,641	1,238	464,879	1,075,591	3,628	1,079,219	2.5	4.1	28.0
3610	398,473		398,473	931,132		931,132			
3590	365,951	7,315	373,266	865,970	27,193	893,163	4.2	5.6	53.4
3570	242,088	92,945	335,033	561,062	316,519	877,581	4.2	5.4	52.8
3550	233,013	77,609	310,622	558,104	269,260	827,364	4.0	4.4	55.2
3530	175,759	88,080	263,839	457,547	278,323	735,870	3.4	4.3	50.6
3510	156,696	105,031	261,727	448,505	331,781	780,286	3.6	4.9	55.4
3490	164,045	81,533	245,578	471,550	271,186	742,736	3.7	5.0	54.3
3470	93,792	153,375	247,167	276,969	493,486	770,455	3.6	4.7	54.8
3450	157,303	78,745	236,048	481,576	267,045	748,621	3.1	4.3	35.7
3430	96,041	132,325	228,366	266,015	454,949	720,964	3.5	4.9	38.8
3410	99,207	110,417	209,624	276,632	379,025	655,657	3.1	5.1	35.3
3390	70,071	77,453	147,524	195,033	262,322	457,355	3.0	4.8	32.7
3370	87,313	128,156	215,469	229,969	409,443	639,412	2.6	4.7	23.9
3350	97,082	61,811	158,893	237,909	184,516	422,425	2.5	5.0	26.2
3330									
TOTAL	11,027,997	1,196,033	12,224,030	26,179,430	3,948,676	30,128,106	3.4	4.8	43.3

STRIPPING RATIO = 9.22 BCY WASTE/BCY ORE  
6.63 SDT WASTE/SDT ORE

CUT OFF= 6 PERCENT							PHASE= 10			
BENCH	BCY'S			SDT'S			Pb	Zn	Ag	
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL	%	%	gm/DMT	
4030										
4010										
3990										
3970										
3950										
3930										
3910	49,000		49,000	113,562		113,562				
3890	325,807		325,807	759,616		759,616				
3870	351,146		351,146	755,090		755,090				
3850	515,227		515,227	1,198,966		1,198,966				
3830	549,570		549,570	1,289,508		1,289,508				
3810	569,532	29,630	599,162	1,336,828	85,926	1,422,754	2.8	4.4	34.9	
3790	589,870	75,926	665,796	1,374,661	227,135	1,601,796	3.5	5.2	49.9	
3770	592,635	62,963	655,598	1,404,907	197,654	1,602,561	3.5	5.7	44.2	
3750	612,932	57,407	670,339	1,466,801	183,413	1,650,214	3.4	5.1	41.4	
3730	593,296	57,407	650,703	1,435,396	180,614	1,616,010	2.8	4.7	35.9	
3710	567,071	66,667	633,738	1,376,963	211,283	1,588,246	2.7	4.4	34.4	
3690	574,265	35,475	609,740	1,399,788	106,209	1,505,997	2.5	4.7	35.1	
3670	572,282	28,192	600,474	1,407,686	91,719	1,499,405	2.6	4.2	34.2	
3650	450,204	71,535	521,739	1,099,101	231,418	1,330,519	3.2	4.5	34.6	
3630	460,250	50,966	511,216	1,183,382	166,726	1,350,108	3.1	4.4	34.5	
3610	311,665	148,430	460,095	751,596	493,758	1,245,354	3.4	5.2	43.3	
3590	321,849	155,876	477,725	792,723	520,826	1,313,549	3.4	5.2	40.6	
3570	328,966	147,278	476,244	846,875	482,002	1,328,877	3.5	5.0	45.1	
3550	333,807	158,983	492,790	909,738	517,247	1,426,985	2.8	4.3	38.5	
3530	294,314	197,721	492,035	780,586	663,057	1,443,643	3.6	4.5	48.2	
3510	216,999	263,331	480,330	573,379	880,935	1,454,314	3.9	5.6	45.7	
3490	112,950	282,016	394,966	310,311	946,834	1,257,145	3.0	4.9	34.5	
3470	184,006	228,091	412,097	509,113	748,672	1,257,785	3.3	5.4	38.3	
3450	105,312	245,624	350,936	274,382	809,181	1,083,563	3.3	5.4	31.9	
3430	154,826	190,953	345,779	383,641	607,184	990,825	2.8	5.0	28.3	
3410	105,654	103,220	208,874	268,483	354,172	622,655	3.1	4.8	30.8	
3390	107,457	53,858	161,315	261,105	169,031	430,136	2.9	4.9	31.3	
3370	70,782	20,275	91,057	170,171	62,310	232,481	3.5	5.4	26.0	
3350	26,088	28,360	54,448	63,625	87,332	150,957	2.7	6.5	28.7	
3330	112,405	28,889	141,294	275,185	79,047	354,232	2.5	5.2	31.1	
TOTAL	10,160,167	2,789,073	12,949,240	24,773,167	9,103,685	33,876,852	3.2	5.0	38.3	

STRIPPING RATIO = 3.64 BCY WASTE/BCY ORE  
2.72 SDT WASTE/SDT ORE

CUT OFF= 6 PERCENT			PHASE= JB			Pb	Zn	Ag	
BENCH	WASTE	BCY'S ORE	TOTAL	WASTE	SDT'S ORE	TOTAL	Z	Z	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= ALL PHASES					
BENCH	BCY'S			SDT'S			Pb	Zn	Ag
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL	%	%	gm/DMT
4030									
4010									
3990	58,000		58,000	134,421		134,421			
3970	209,000		209,000	484,378		484,378			
3950	210,000		210,000	486,695		486,695			
3930	393,000		393,000	910,816		910,816			
3910	441,000		441,000	1,022,060		1,022,060			
3890	1,423,000	35,838	1,458,838	3,306,787	111,908	3,418,695	3.4	4.4	48.1
3870	1,423,000	66,256	1,489,256	3,239,216	204,336	3,443,552	3.7	5.0	51.0
3850	2,666,186	33,333	2,699,519	6,191,041	105,668	6,296,709	3.2	5.4	44.3
3830	2,656,990	12,963	2,669,953	6,192,474	38,426	6,230,900	2.4	4.3	39.1
3810	2,511,444	29,630	2,541,074	5,837,396	85,926	5,923,322	2.8	4.4	34.9
3790	2,510,148	75,926	2,586,074	5,825,090	227,135	6,052,225	3.5	5.2	49.9
3770	2,449,609	62,963	2,512,572	5,708,624	197,654	5,906,278	3.5	5.7	44.2
3750	2,439,009	57,407	2,496,416	5,701,603	183,413	5,885,016	3.4	5.1	41.4
3730	2,363,084	63,801	2,426,885	5,537,050	202,350	5,739,400	3.0	4.8	39.2
3710	2,290,236	105,183	2,395,419	5,374,555	339,089	5,713,644	3.0	4.6	39.2
3690	2,183,290	64,841	2,248,131	5,156,841	202,432	5,359,273	2.7	5.1	36.1
3670	2,173,342	44,846	2,218,188	5,173,018	153,008	5,326,026	3.3	4.7	39.0
3650	1,963,838	77,091	2,040,929	4,692,728	250,363	4,943,091	3.3	4.5	35.1
3630	1,915,855	73,348	1,989,203	4,628,928	240,544	4,869,472	3.2	4.5	36.7
3610	1,586,585	229,171	1,815,756	3,734,799	757,000	4,491,799	3.3	5.3	37.7
3590	1,568,642	225,025	1,793,667	3,764,237	740,200	4,504,437	3.2	5.3	34.3
3570	1,425,644	270,365	1,696,009	3,499,071	889,578	4,388,649	3.7	5.2	47.1
3550	1,288,310	347,695	1,636,005	3,237,629	1,146,638	4,384,267	3.2	4.5	43.5
3530	938,180	531,194	1,469,374	2,395,001	1,769,541	4,164,542	3.6	4.9	47.1
3510	750,635	674,152	1,424,787	2,005,929	2,258,284	4,264,213	3.9	5.4	49.2
3490	558,836	644,450	1,203,286	1,599,759	2,157,931	3,757,690	3.6	5.3	45.2
3470	465,849	715,162	1,181,011	1,339,686	2,348,064	3,687,750	3.7	5.3	47.1
3450	398,789	605,162	1,003,951	1,125,060	1,976,710	3,101,770	3.5	5.2	38.9
3430	434,668	514,828	949,496	1,121,544	1,721,446	2,842,990	3.4	5.2	36.6
3410	347,951	273,049	621,000	981,574	943,738	1,925,312	3.1	4.9	33.4
3390	232,473	207,549	440,022	596,889	697,667	1,294,556	3.0	4.7	29.5
3370	158,095	148,431	306,526	400,140	471,753	871,893	2.7	4.8	24.2
3350	123,170	90,171	213,341	301,534	271,848	573,382	2.6	5.5	27.0
3330	112,405	28,889	141,294	275,185	79,047	354,232	2.5	5.2	31.1
TOTAL	42,670,263	6,308,719	48,978,982	101,981,758	20,771,697	122,753,455	3.5	5.1	41.7

STRIPPING RATIO = 6.76 BCY WASTE/BCY ORE  
4.91 SDT WASTE/SDT ORE

CUT OFF= 6 PERCENT				PHASE= ALL PHASES					
BENCH	BCY'S			SOT'S			Pb	Zn	Ag
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL	%	%	gm/DMT
4030									
4010									
3990	58,000		58,000	134,421		134,421			
3970	209,000		209,000	484,378		484,378			
3950	210,000		210,000	486,695		486,695			
3930	393,000		393,000	910,816		910,816			
3910	441,000		441,000	1,022,060		1,022,060			
3890	1,423,000	35,838	1,458,838	3,306,787	111,908	3,418,695	3.4	4.4	48.1
3870	1,423,000	66,256	1,489,256	3,239,216	204,336	3,443,552	3.7	5.0	51.0
3850	2,666,186	33,333	2,699,519	6,191,041	105,668	6,296,709	3.2	5.4	44.3
3830	2,656,990	12,963	2,669,953	6,192,474	38,426	6,230,900	2.4	4.3	39.1
3810	2,511,444	29,630	2,541,074	5,837,396	85,926	5,923,322	2.8	4.4	34.9
3790	2,510,148	75,926	2,586,074	5,825,090	227,135	6,052,225	3.5	5.2	49.9
3770	2,449,609	62,963	2,512,572	5,708,624	197,654	5,906,278	3.5	5.7	44.2
3750	2,439,009	57,407	2,496,416	5,701,603	183,413	5,885,016	3.4	5.1	41.4
3730	2,363,084	63,801	2,426,885	5,537,050	202,350	5,739,400	3.0	4.8	39.2
3710	2,290,236	105,183	2,395,419	5,374,555	339,089	5,713,644	3.0	4.6	39.2
3690	2,183,290	64,841	2,248,131	5,156,841	202,432	5,359,273	2.7	5.1	36.1
3670	2,173,342	44,846	2,218,188	5,173,018	153,008	5,326,026	3.3	4.7	39.0
3650	1,963,838	77,091	2,040,929	4,692,728	250,363	4,943,091	3.3	4.5	35.1
3630	1,915,855	73,348	1,989,203	4,628,928	240,544	4,869,472	3.2	4.5	36.7
3610	1,586,585	229,171	1,815,756	3,734,799	757,000	4,491,799	3.3	5.3	37.7
3590	1,568,642	225,025	1,793,667	3,764,237	740,200	4,504,437	3.2	5.3	34.3
3570	1,425,644	270,365	1,696,009	3,499,071	889,578	4,388,649	3.7	5.2	47.1
3550	1,288,310	347,695	1,636,005	3,237,629	1,146,638	4,384,267	3.2	4.5	43.5
3530	938,180	531,194	1,469,374	2,395,001	1,769,541	4,164,542	3.6	4.9	47.1
3510	750,635	674,152	1,424,787	2,005,929	2,258,284	4,264,213	3.9	5.4	49.2
3490	558,836	644,450	1,203,286	1,599,759	2,157,931	3,757,690	3.6	5.3	45.2
3470	465,849	715,162	1,181,011	1,339,686	2,348,064	3,687,750	3.7	5.3	47.1
3450	398,789	605,162	1,003,951	1,125,060	1,976,710	3,101,770	3.5	5.2	38.9
3430	434,668	514,828	949,496	1,121,544	1,721,446	2,842,990	3.4	5.2	36.6
3410	347,951	273,049	621,000	981,574	943,738	1,925,312	3.1	4.9	33.4
3390	232,473	207,549	440,022	596,889	697,667	1,294,556	3.0	4.7	29.5
3370	158,095	148,431	306,526	400,140	471,753	871,893	2.7	4.8	24.2
3350	123,170	90,171	213,341	301,534	271,848	573,382	2.6	5.5	27.0
3330	112,405	28,889	141,294	275,185	79,047	354,232	2.5	5.2	31.1
TOTAL	42,670,263	6,308,719	48,978,982	101,981,758	20,771,697	122,753,455	3.5	5.1	41.7

STRIPPING RATIO = 6.76 BCY WASTE/BCY ORE  
4.91 SOT WASTE/SOT ORE



TO DICK HOGAN cc Jim Keir  
Alan Chevalier

FROM R. Tibert  
DEPT. Geology  
DATE Sept. 20, 1984

RE FABO Oxide Stockpile Reserves

MESSAGE Attached is ① summary of reserves reported since 1980. Those figures reported in brackets are incorrect.

② summary of oxide stockpile milled since 1982.

R.  
Tibert.

REPLY

DATE

19

FOLD

tonnes (000,000)	sr (sdt) (000,000)	Pb %	Zn %	Ag g/mt	Source NOTES
	2.4	2.9	4.7	33.0	F. Gray Dec 18, 1980 Reported on sdt
2.18					Tonnes ≡

2.18		2.9	4.7	(37.6)	J. Parker's Jan 1, 82
				33.0	nb Ag's should be
					∴ No ore mined in 1981

1,363,000)		2.9	4.7	(37.6)	Parker's Jan 1, 1983
	1,363,000			33.00	should be

1,236,000					Tonnes ≡	
1,236,000	Left	USE THIS	2.9	4.7	33.00	Tabell, Sept. 20, 82 Correct figures.
9,440,000	tonnes	milled		in	1982	

	sdt. (000)	Pb	Zn	Ag g/mt.	1982
According to Truckwork	84	3.5	5.0	39.8	Jan.
x Tonnage Factors.	74	2.8	4.0	22.5	Feb
Grades from Mill heads	28.9	3.4	5.3	22.4	March
	297	2.6	4.6	26.0	April
	240	2.6	4.5	39.5	May
	-	-	-	-	June
	984.				

According to Met Balances	**	1,037,000 <sup>①</sup>	2.8	4.6	35.6	← This is to be considered correct figures.
J. Kerr (can End. 1982) No Data	① ≡	944,000 tonnes				

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	3.8	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 SOT WASTE/SOT ORE

CUT OFF= 4 PERCENT						PHASE= A			
BENCH	BCY'S			SDT'S			Pb	Zn	Ag
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL	%	%	gm/DMT
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	805,346	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	WASTE	BCY's ORE	TOTAL	WASTE	SDT'S ORE	TOTAL	%	%	gm/DMT
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				
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	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= 4 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	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 SOT 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

CUT OFF= 6 PERCENT				PHASE= A						
BENCH	BCY'S			SDT'S			Pb	Zn	Ag	
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL	%	%	gm/DMT	
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			
BENCH	BCY'S			SOT'S			Pb	Zn	Ag
	WASTE	ORE	TOTAL	WASTE	ORE	TOTAL	%	%	gm/DMT
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	1,327,595	0	1,327,595	0.0	0.0	0.0
3650	534,497	0	534,497	1,243,209	0	1,243,209	0.0	0.0	0.0
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	494,947	7,407	502,354	1,168,296	27,705	1,196,001	4.3	5.3	53.0
3570	447,708	72,669	520,377	1,048,217	247,376	1,295,593	4.4	5.4	53.7
3550	377,817	86,583	464,400	896,523	295,719	1,192,242	3.8	4.5	51.9
3530	319,570	113,247	432,817	827,491	371,089	1,198,580	3.8	4.7	55.1
3510	277,522	156,392	433,914	776,155	494,387	1,270,542	4.0	5.2	59.0
3490	155,784	188,125	343,909	448,186	604,666	1,052,852	3.9	5.7	51.7
3470	49,162	291,829	340,991	159,258	961,212	1,120,470	3.8	5.4	48.1
3450	114,780	194,363	309,143	366,612	629,959	996,571	4.0	5.4	47.1
3430	127,464	190,768	318,232	342,225	671,927	1,014,152	3.5	5.0	40.0
3410	97,081	143,212	240,293	324,318	511,739	836,057	3.0	4.8	30.1
3390	54,375	140,350	194,725	163,659	485,363	649,022	3.0	4.8	30.0
3370	34,728	97,486	132,214	100,212	317,559	417,771	2.7	4.6	23.5
3350	54,465	37,047	91,512	137,195	114,759	251,954	2.6	5.2	25.0
3330									
TOTAL	10,837,234	1,719,478	12,556,712	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/SOT ORE

CUT OFF= 6 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	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			SOT'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 SOT WASTE/SOT ORE

CUT OFF= 6 PERCENT

PHASE= JB

BENCH	BCY'S			SOT'S			Pb	Zn	Ag
	WASTE	ORE	TOTAL	WASTE	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