GRUM FIELDPT (2 maps)

Faro and Grum Orebodies.
Combined Orebodies - Code II

006347

Waste - Cu. Yds (000's)				Ore - Short Tons (000's)				
Year	Faro	Grum	Total	Source	Tons	Pb	Zn	Cont
1980	11,473	2,820	15,293	Faro	2,752	3.0	5.2	8.2
1981	11,298	5,273	16,571	Faro	3,741	2.8	4.9	7.7
1982	11297	7,500	18797	Faro	1,811	2.7	4.5	7.2
				Grum	1,930	3.8	6.2	10.0
					3,741	3.3	5.4	8.7
1983	6438 8041	7,500	15541	Faro	1,811	3.3	4.8	8.1
				Grum	1,930	3.4	5.5	8.9
					3,741	3.35	5.2	8.55
1984	3922 4205	7,500	11705	Faro	1,811	3.3	4.65	7.95
				Grum	1,930	3.3	5.2	8.6
					3,741	3.3	5.0	8.3
1985	4354 4517	3,726	8243	Faro	1,811	3.0	4.2	7.2
				Grum	1,930	3.2	5.2	9.4
					3,741	3.1	4.7	7.8
1986	4756 3950	3,726	7676	Faro	1,811	2.8	4.1	6.9
				Grum	1,930	2.9	4.7	7.6
					3,741	2.85	4.4	7.3
1987	3985 2944	3,726	6670	Faro	1,811	2.96	4.0	6.96
				Grum	1,930	3.1	5.1	8.2
					3,741	3.0	4.6	7.6
1988	3050 2488	1,420	3908	Faro	1,811	2.5	4.4	6.9
				Grum	1,930	2.7	4.5	7.2
					3,741	2.6	4.45	7.05

1989	3050 923	396	2319	Faro	1,811	2.9	4.6	7.5
				Grum	1,930	8.1	5.0	8.1
					3,741	3.0	4.8	7.8
1990	463 651	—	651	Faro	3,741	2.6	4.2	6.8
1991	808	—	808	Faro	3,741	2.5	4.5	7.0

64106
63595

~~MINIMUM CRITERIA~~ REQUIRED TO DEVELOP

~~1280~~

SOURCE OF FEED GRADES FOR FARO DEPOSIT ORIGINATING FROM AUGUST -'88 INVENTORY. NO CORRECTIONS APPLIED

~~29,463 2.83 4.56~~

LPT
(2 pages)

Faro and Grum Orebodies
Combined Orebodies - Case II

Waste - Cu. Yds (000's)				Ore - Short Tons (000's)				
Year	Faro	Grum	Total	Source	Tons	Pb	Zn	Cont
1980	11,473	3,820	15,293	Faro	2,752	3.0	5.2	8.2
1981	11,298	5,273	16,571	Faro	3,741	2.8	4.9	7.7
1982	11297	7,500	18797	Faro	1,811	2.7	4.5	7.2
				Grum	1,930	3.8	6.2	10.0
					3,741	3.3	5.4	8.7
1983	8041	7,500	15541	Faro	1,811	3.3	4.8	8.1
				Grum	1,930	3.4	3.47 5.5	8.9
					3,741	3.35	5.2	8.55
1984	4205	7,500	11705	Faro	1,811	3.3	4.65	7.95
				Grum	1,930	3.3	5.2	8.6
					3,741	3.3	5.0	8.3
1985	4517	3,726	8243	Faro	1,811	3.0	4.2	7.2
				Grum	1,930	3.2	5.2	8.4
					3,741	3.1	4.7	7.8
1986	3950	3,726	7676	Faro	1,811	2.8	4.1	6.9
				Grum	1,930	2.9	4.7	7.6
					3,741	2.85	4.4	7.3
1987	2944	3,726	6670	Faro	1,811	2.96	4.0	6.96
				Grum	1,930	3.1	5.1	8.2
					3,741	3.0	4.6	7.6
1988	2488	1,420	3908	Faro	1,811	2.5	4.4	6.9
				Grum	1,930	2.7	4.5	7.2
					3,741	2.6	4.45	7.05

1989	1923	396	2319	Ford 1,811	2.9	4.6	7.5
				Grum 1,930	3.1	5.0	8.1
				3,741	3.0	4.8	7.8
1990	651	—	651	Ford 3,741	2.6	4.2	6.8
1991	808	—	808	Ford 3,741	2.5	4.5	7.0

~~Minimum Stripping Required to Develop~~

~~Total Ore Schedule 22,400,000~~ ours
~~21,[illegible] [illegible]~~

September 1, 1978

MINE LIFE ORE RESERVES

(000's)

EXCLUDING ZONE 2

BASE	IV		V		VI		VII		VIII		IX		X		XI		XII		XIII		TOTAL	
BENCH	SDT	%Pb/%Zn	SDT	%Pb/%Zn	SDT	%Pb/%Zn	SDT	%Pb/%Zn	SDT	%Pb/%Zn	SDT	%Pb/%Zn	SDT	%Pb/%Zn	SDT	%Pb/%Zn	SDT	%Pb/%Zn	SDT	%Pb/%Zn		
3870																	54	3.1/3.9			54	3.1/3.9
3850																	31	2.5/5.5			31	2.5/5.5
3830					13	2.3/4.9											43	2.3/4.2			56	2.3/4.4
3810					81	1.9/4.1											31	2.5/4.8			112	2.1/4.3
3790					80	1.8/4.8											130	3.1/6.5			210	2.6/5.9
3770					91	2.3/6.0											114	3.2/5.0	15	3.1/4.8	220	2.8/5.4
3750					100	2.0/5.1											227	2.5/3.7	5	2.4/5.0	332	2.3/4.1
3730			86	3.0/5.0	142	2.4/4.6											127	1.4/3.6	32	1.5/3.6	387	2.1/4.3
3710			971	3.4/5.4	241	2.0/4.2	63	2.4/4.2									117	2.4/4.5	190	2.3/3.7	1,582	2.9/4.9
3690			1236	3.4/5.6	378	3.3/5.6	150	2.3/4.8									39	1.5/3.9	3	2.0/3.0	1,806	3.2/5.5
3670			1042	3.5/5.5	363	4.1/6.2	92	1.6/3.2									152	1.7/3.5			1,649	3.4/5.3
3650	56	3.4/5.6	723	3.0/5.5	473	3.7/6.2	90	2.3/3.0									228	2.4/4.9			1,570	3.1/5.5
3630			443	2.6/5.8	499	2.6/4.4	219	2.0/3.7	110	1.3/3.4	14	1.3/3.2					83	1.9/2.8			1,368	2.3/4.6
3610			269	2.9/5.3	485	2.4/4.0	258	2.6/4.8	80	1.4/3.6	32	1.3/3.1					425	3.0/5.4			1,549	2.6/4.7
3590					279	2.2/4.6	141	2.3/5.4	172	1.5/3.8	19	2.0/4.2	13	2.0/2.5			332	3.3/5.1	38	2.8/5.8	994	2.5/4.8
3570							119	1.9/4.9	65	1.4/3.7	76	2.4/3.4	144	3.5/4.7	49	2.3/3.6	403	3.5/4.9	134	2.6/4.2	990	2.9/4.5
3550							145	3.8/6.4	155	2.2/3.7	202	2.4/3.9	354	2.9/3.5	103	2.9/3.9	394	2.2/3.6	260	2.5/4.0	1,613	2.6/4.0
3530							88	4.0/5.0	366	2.8/5.2	456	3.4/5.1	280	3.3/4.2	237	2.5/3.5	318	2.8/3.5	237	3.4/4.5	1,982	3.1/4.5
3510									502	3.1/4.4	494	3.6/5.1	383	3.2/4.4	399	2.5/3.8	550	2.7/3.9	245	3.0/5.1	2,573	3.0/4.4
3490									442	3.7/5.1	337	3.8/5.0	247	3.2/5.0	300	2.7/4.0	639	1.8/3.7	223	1.9/4.4	2,188	2.8/4.4
3470									400	3.3/4.8	679	3.4/4.4	369	3.1/4.4	472	3.1/4.1	492	3.2/5.0	338	3.0/5.5	2,750	3.2/4.6
3450											859	3.2/4.7	338	2.5/3.2	327	2.9/3.8	712	2.9/4.7	318	2.7/5.3	2,554	2.9/4.5
3430											667	3.3/5.0	290	2.9/4.2	313	3.4/4.6	524	2.8/4.3	243	2.6/5.0	2,037	3.0/4.6
3410											253	2.4/3.6			447	2.6/4.5	364	2.8/4.6	276	2.2/4.0	1,370	2.5/4.3
3390											164	2.7/4.1			375	2.6/4.4	276	2.2/4.1	164	2.2/4.2	979	2.4/4.2
3370																			586	2.1/4.1	586	2.1/4.1
3350																			280	2.1/4.1	280	2.1/4.1
	56	3.4/5.6	4770	3.3/5.5	3225	2.8/5.0	1365	2.5/4.6	2292	2.8/4.5	4252	3.2/4.6	2418	3.0/4.1	3052	2.8/4.1	6805	2.7/4.4	3587	2.5/4.5	31,822	2.8/4.6

CYPRUS ANVIL MINING CORPORATION

ORE RESERVES ZONE _____

K = 6481.5 @ 3.50 T/BCY

_____ Bench

Page _____ of _____

Ore Block	Area Units	Tons (A.U. x K)	Grade Pb	Grade Zn	Grade Comb	Remarks
		1982				
VIII	3630	110,000	1.3	3.4		
VIII	3610	80,000	1.4	3.6		
VIII	3590	172,000	1.5	3.8		
VIII	3570	65,000	1.4	3.7		
VIII	3550	155,000	2.2	3.7		
VIII	3530	366,000	2.8	5.2		
VIII	3510	502,000	3.1	4.4		
VIII	3490	442,000	3.7	5.1		
		1892	2.7	4.5		✓
		1983				
VIII	3470	400,000	3.3	4.8		
IX	3630	14,000	1.3	3.2		
IX	3610	32,000	1.3	3.1		
IX	3590	19,000	2.0	4.2		
IX	3570	76,000	2.4	3.4		
IX	3550	202,000	2.4	3.9		
IX	3530	456,000	3.4	5.1		
IX	3510	494,000	3.6	5.1		
IX	3490	184,000	3.8	5.0		
		1877000	3.3	4.8		✓
		1984				
IX	3490	153,000	3.8	5.0		
IX	3470	679,000	3.4	4.4		
IX	3450	859,000	3.2	4.7		
IX	3430	184,000	3.3	5.0		
		1875000	3.3	4.65		✓

Total

Ore Block	Area Units	Tons (A.U. x K)	Grade Pb	Grade Zn	Grade Comb	Remarks
		Revised				
		1982				
VIII	3550	145000	3.8	5.4		
VIII	3530	868000	4.0	5.0		
VIII	3630	110000	1.3	3.4		
VIII	3610	80000	1.4	3.6		
VIII	3590	172000	1.5	3.8		
VIII	3570	65000	1.4	3.7		
VIII	3550	155000	2.3	3.7		
VIII	3530	366000	2.8	5.2		
VIII	3510	502000	3.1	4.4		
VIII	3490	128000	3.7	5.1		
		1811000	2.72	4.48		
		1983				
VIII	3490	314000	3.7	5.1		
VIII	3470	400000	3.3	4.8		
IX	3630	14000	1.3	3.2		
IX	3610	32000	1.3	3.1		
IX	3590	19000	2.0	4.2		
IX	3570	76000	2.4	3.4		
IX	3550	202000	2.4	3.9		
IX	3530	456000	3.4	5.1		
IX	3510	298000	3.6	5.1		
		1811000	3.24	4.77		
		1984				
IX	3510	196000	3.6	5.1		
IX	3490	337000	3.8	5.0		
IX	3470	679000	3.4	4.4		
IX	3450	594000	3.2	4.7		
		1811	3.43	4.69		

Total

Page Total

CYPRUS ANVIL MINING CORPORATION

ORE RESERVES ZONE _____

K = 6481.5 @ 3.50 T/BCY

_____ Bench

Page _____ of _____

Ore Block	Area Units	Tons (A.U. x K)	Grade Pb	Grade Zn	Grade Comb	Remarks
		1985				
IX	3430	183,000	3.3	5.0		
IX	3410	253,000	2.4	3.6		
IX	3390	164,000	2.7	4.1		
X	3590	13,000	2.0	2.5		
X	3570	144,000	3.5	4.7		
X	3550	354,000	2.9	3.5		
X	3530	280,000	3.3	4.2		
X	3510	184,000	3.2	4.4		
		1875000	3.0	4.2	✓	
		1986				
X	3510	199,000	3.2	4.4		
X	3490	247,000	3.2	5.0		
X	3470	369,000	3.1	4.4		
X	3570	49,000	2.3	3.6		
XI	3550	103,000	2.9	3.19		
XI	3530	237,000	2.5	3.5		
XI	3510	399,000	2.5	3.8		
XI	3490	266,000	2.7	4.0		
		1869000	2.8	4.1	✓	
		1987				
XI	3490	34,000	2.7	4.0		
XI	3470	472,000	3.1	4.1		
X	3450	338,000	2.5	3.2		
XI	3450	327,000	2.9	3.18		
X	3430	296,000	2.9	4.2		
XI	3430	313,000	3.4	4.6		
XII	3870	54,000	3.1	3.9		
XII	3850	31,000	2.5	5.5		
		1859000	2.96	4.0	✓	
Total						

Ore Block	Area Units	Tons (A.U. x K)	Grade Pb	Grade Zn	Grade Comb	Remarks
		1985				
IX	3450	260000	3.2	4.9		
IX	3430	667000	3.3	5.0		
X	3590	130000	2.0	2.5		
X	3570	144000	3.5	4.7		
X	3550	354000	2.9	3.5		
X	3530	280000	3.3	4.2		
X	3510	93000	3.2	4.4		
		1811000	3.21	4.47		
		1986				
X	3510	290000	3.2	4.4		
X	3490	247000	3.2	5.0		
X	3470	369000	3.1	4.4		
X	3450	338000	2.5	3.2		
X	3430	290000	2.9	4.2		
IX	3410	253000	2.4	3.6		
XI	3570	24000	2.3	3.6		
		1811000	2.88	4.10		
		1987				
XI	3570	25000	2.3	3.6		
XI	3550	103000	2.9	3.9		
XI	3530	237000	2.5	3.5		
XI	3510	399000	2.5	3.8		
XI	3490	300000	2.7	4.0		
XI	3470	472000	3.1	4.1		
XI	3450	225000	2.9	3.8		
		1811000	2.77	3.87		
Total						

Page Total

CYPRUS ANVIL MINING CORPORATION

ORE RESERVES ZONE _____

K = 6481.5 @ 3.50 T/CCY

_____ Bench

Page _____ of _____

Ore Block	Area Units	Tons (A.U. x K)	Grade Pb	Grade Zn	Grade Comb	Remarks
		1988				
		1988				
XI	3410	477,000	2.6	4.5		
XI	3830	43,000	2.3	4.2		
XII	3810	31,000	2.5	4.8		
XI	3390	375,000	2.6	4.4		
XII	3790	130,000	3.1	6.5		
XII	3770	114,000	3.2	5.0		
XII	3750	221,000	2.5	3.7		
XII	3730	127,000	1.4	3.6		
XII	3710	117,000	2.4	4.5		
XII	3690	39,000	1.5	3.9		
XII	3670	152,000	1.7	3.5		
XII	3650	41,000	2.4	4.9		
		1867000	2.5	4.4	✓	
		1989				
XII	3650	187,000	2.4	4.9		
XII	3630	83,000	1.9	2.8		
XII	3610	425,000	3.0	5.4		
XII	3590	332,000	3.3	5.1		
XII	3570	403,000	3.5	4.9		
XII	3550	394,000	2.2	3.6		
XII	3530	76,000	2.8	3.5		
		1870 000	2.9	4.6	✓	

Total

Ore Block	Area Units	Tons (A.U. x K)	Grade Pb	Grade Zn	Grade Comb	Remarks
		1988				
XI	3450	52000	29	38		
XII	3430	313000	34	46		
XII	3410	477000	26	45		
XII	3870	54000	31	39		
XII	3850	31000	25	55		
XII	3830	43000	23	42		
XII	3810	31000	25	48		
XII	3790	130000	31	65		
XII	3770	114000	32	50		
XII	3750	221000	25	37		
XII	3730	127000	14	36		
XII	3710	117000	24	45		
XII	3690	39000	15	39		
XII	3670	56000	17	35		
		1811000	2.66	4.46		
		1989				
XII	3670	96000	17	35		
XII	3650	228000	24	49		
XII	3630	83000	19	28		
XII	3610	425000	3.0	5.4		
XII	3590	332000	33	51		
XII	3570	403000	35	49		
XII	3550	244000	22	36		
		1811000	2.86	4.71		

Total

Page Total

CYPRUS ANVIL MINING CORPORATION

ORE RESERVES ZONE _____

K = 6481.5 @ 3.50 T/BCY

_____ Bench

Page _____ of _____

Ore Block	Area Units	Tons (A.U. x K)	Grade Pb	Grade Zn	Grade Comb	Remarks
		1990				
XII	3530	272,000	28	35		
XII	3510	550,000	27	39		
XII	3770	15,000	3.1	48		
XII	3750	5,000	2.4	5.0		
XII	3730	32,000	1.5	3.6		
XII	3710	190,000	23	3.7		
XII	3690	3,000	20	30		
XII	3490	639,000	1.8	37		
XII	3590	38,000	28	58		
XII	3570	134,000	2.6	42		
XII	3470	492,000	32	50		
XII	3450	712,000	29	47		
XII	3430	524,000	28	43		
XII	3550	123,000	25	40		
		3729000	2.6	4.2		✓
		1991				
XII	3550	137,000	25	40		
XII	3530	237,000	34	45		
XII	3510	245,000	30	51		
XII	3490	223,000	19	44		
XII	3470	338,000	30	55		
XII	3450	318,000	27	53		
XII	3430	243,000	26	50		
XII	3410	364,000	28	46		
XII	3410	276,000	22	40		
XII	3390	276,000	22	41		
XII	3390	164,000	22	42		
XII	3370	586,000	21	41		
XII	3350	280,000	21	41		
		3687000				
			2.5	4.5		✓
Total						

Ore Block	Area Units	Tons (A.U. x K)	Grade Pb	Grade Zn	Grade Comb	Remarks
		1990				
XII	3550	150000	22	36		
XII	3530	318000	28	35		
XII	3510	550000	27	39		
XII	3490	639000	18	37		
XII	3470	492000	32	50		
XII	3450	712000	29	47		
XII	3430	524000	28	43		
XII	3410	356000	28	46		
		3741000	2.66	4.24		
		1991				
		1991				
XII	3410	8000	28	46		
IX	3390	164000	22	41		
XII	3390	375000	26	44		
XII	3390	276000	22	41		
XIII	3770	15000	31	48		
XIII	3750	5000	24	50		
	3730	32000	15	36		
	3710	190000	23	37		
	3690	3000	2,0	3,0		
	3590	38000	28	58		
	3570	134000	26	42		
	3550	260000	25	40		
	3530	237000	34	45		
	3510	245000	30	51		
	3490	223000	19	44		
	3470	338000	30	55		
	3450	318000	27	53		
	3430	243000	26	50		
	3410	276000	22	40		
Total	3390	164000	22	42		←
	3370	197000	21	41		

Page Total

3741000 2,55 4,52

669. 2.1/4.1

FARO

1982 → 21,970 · 2.846

4.43

78- 943,000 3.2 14.9

79- 3,741,250 3.3 15.1

80 3,751,500 3.0 5.2

81. 3,741,250 2.8 4.9

Zone 2.- 3,230 000 3.4 5 1

35,052 2.855

4.650

*
ANVIL VCR

ANVIL ENG FARO

DEC 13/78

ATTN J F OLK

RE WASTE TO BE REMOVED (000) BCY - CASE II

YEAR	FARO	GRUM	TOTAL
1980	11,473	3,820	15,293
1981	11,298	5,273	16,571
1982	11,297	7,500	18,797
1983	8,041	7,500	15,541
1984	4,205	7,500	11,705
1985	4,517	3,726	8,243
1986	3,950	3,726	7,676
1987	2,944	3,726	6,670
1988	2,488	1,420	3,908
1989	1,923	396	2,319
1990	651	-	651
1991	808	-	808
TOTAL	63,595	44,587	108,182 BCY

D GREGOIRE

TLX 036-8-316

CC J DEVITT
P TAGGART

*
ANVIL VCR

ANVIL ENG FARO

*
ANVIL VCR

ANVIL ENG FARO

DEC 11/78

ATTN T H BIGGS

GRADES FOR LEAD AND ZINC IN THE OXIDIZED STOCKPILE = 2.8/4.8

GRADES FOR THE 600 DST AVAILABLE ORE FOR 1992 = 2.1/4.1

D GREGOIRE

*
ANVIL VCR

ANVIL,ENG FARO

ANVIL VCR

ANVIL ENG FARO

DEC 8/78

ATTN TOM BIGGS

CC PETER TAGGART

RE FARO AND GRUM OREBODIES - COMBINED OREBODIES - CASE II

ORE - SHORT TONS (000'S)

YEAR	SOURCE	TONS	PB	ZN	COMB.
1980	FARO	3,752	3.0	5.2	8.2
1981	FARO	3,741	2.8	4.9	7.7
1982	FARO	1,811	2,7	4,5	7,2
	GRUM	1,930	3.8	6.2	10.0
		3,741	3.3	5.4	8.7
1983	FARO	1,811	3.3	4.8	8.1
	GRUM	1,930	3.4	5.5	8.9
		3,741	3.35	5.2	8.55
1984	FARO	1,811	3,3	4,65	7,95
	GRUM	1,930	3.3	5.3	8.6
		3,741	3.3	5.0	8.3
1985	FARO	1,811	3.0	4.2	7.2
	GRUM	),9301	3.2	5.2	8.4
		3,741	3.1	4.7	7.8
1986	FARO	1,811	2,8	4,1	6,9
		1,930	2.9	4.7	7.6
		3,741	2.85	4.4	7.3

1987	FARO	1,811	2.96	4.0	6.96
	GRUM	1,930	3.1	5.1	8.2
		3,741	3.0	4.6	7.6
1988	FARO	1,811	2.5	4.4	6.9
	GRUM	1,930	2.7	4.5	7.2
		3,741	2.6	4.45	7.05
1989	FARO	1,811	2.9	4.6	7.5
	GRUM	1,930	3.1	5.0	8.1
		3,741	3.0	4.8	7.8
1990	FARO	3,741	2.6	4.2	6.8
1991	FARO	3,741	2.5	4.5	7.0

SOURCE OF FEED GRADES FOR FARO DEPOSIT ORIGINATING FROM AUGUST, 1978 INVENTORY. NO CORRECTIONS APPLIED.

THE OXIDIZED STOCKPILE WAS NOT USED IN THE ABOVES SCHEDULE.

D GREGOIRE

TLX 036-8-316

59.: I MESSED UP THE TONS IN 1983 AND 1985 SAME FITXX FIGURES AND SAME TOTAL AS ABOVE AND BELOW

CHEERS, MARY

ANVIL VCR

ANVIL EMC FARO

SEPT-1-78 ORE INVENTORY

	FARO 1 & 3 =	31,822,000 S.D.T.
	ZONE 2 =	3,232,000
	OXY STOCKPILE =	1745,000
		36799,000
—	1978 (SEPT-DEC)	1250,000
—	OXY STOCKPILE	1745,000
—	1979	3741,000
—	1980	3752,000
—	1981	3741,000
	TO BE SCHEDULED	22,570,000
	OURS TO END OF 1991 =	22,400,000
1980-1991	JF[illegible] EN	21,770,000
	DIFF	600,000 TO BE MILLED IN 1992

~~TO BE CHECKED = DIFFERENCE BETWEEN TWO INVENTORIES 31,822,000 SDT VS 31,776,000 SDT.~~

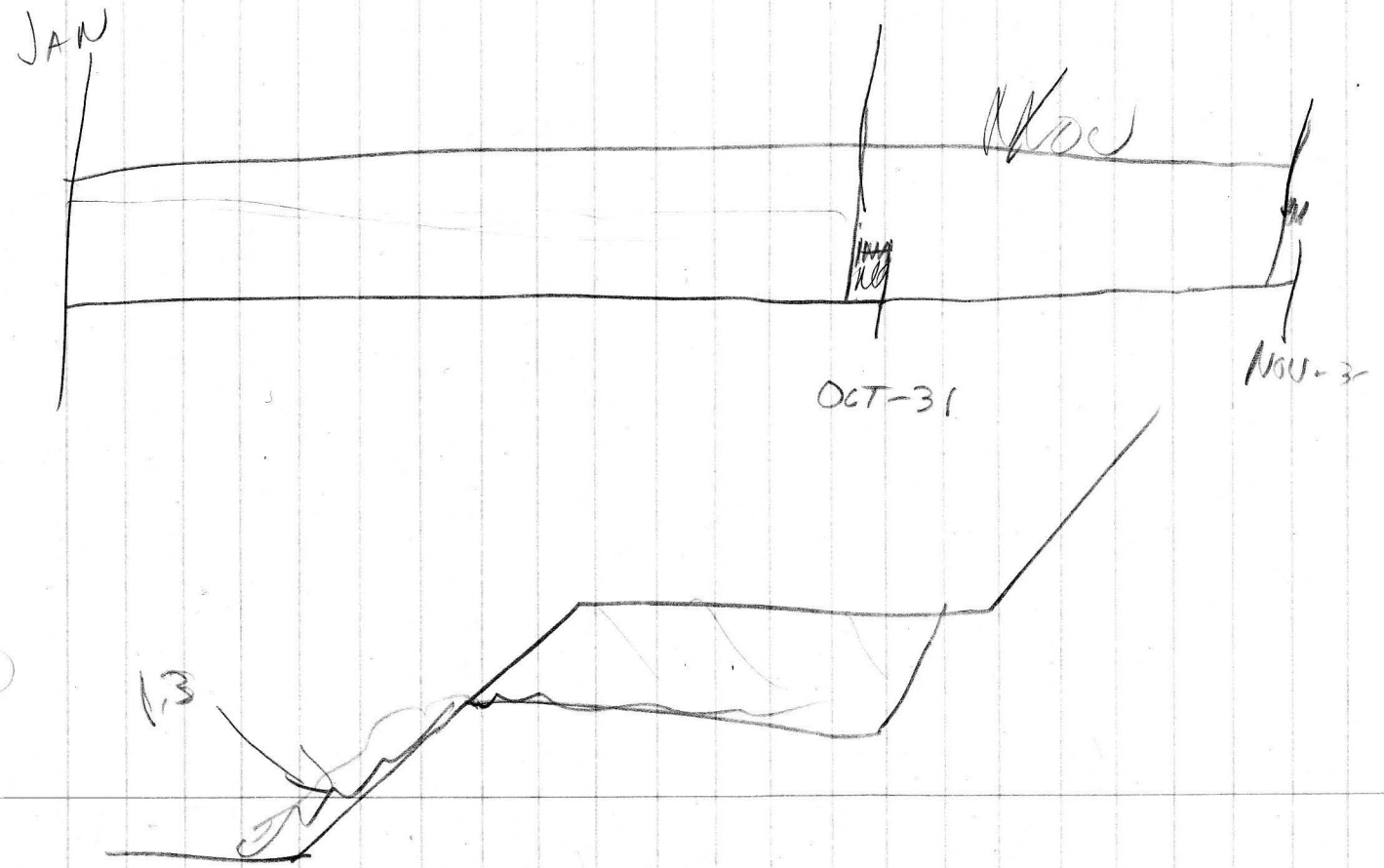
~~CALL DR. FAST~~

~~67,000 SDT FROM STOCKPILE MILLED IN SEPT-78 NOT [illegible] IN INVENTORY~~

PRODUCTION PARAMETERS FOR FARO DEPOSIT

1982 → 10250 SDT/DAY ORE
31821 B.C.Y./DAY WASTE
34750 B.C.Y./DAY TOTAL PRODUCTION

1983 → 4962 S.D.T./DAY ORE
2762 B.C.Y./DAY WASTE 5 YDS SHOVELS
30,570 B.C.Y./DAY WASTE 15 YDS SHOVELS
34750 B.C.Y./DAY TOTAL PRODUCTION


JAN
OCT-31
NOV-3
1,3