

Grade Estimation of Massive Pyrite in Zone I.

1) Blasthole Assays.

	Pb	Zn	Pb+Zn.
3830-09 (10 holes)	1.7	2.9	4.6
3790-09 (15 holes)	1.4	2.1	3.5
wt. averages.	1.5	2.4	3.9

2) Comparison of 1970 & 1973 Tonnage & Grade Estimates for zone 1.

871,902 tons (massive pyrite) averaging 4.01 (Pb+Zn)

3) D.D.H. assays. from 70-4, 70-11, 70-9 66-4 72-7

on 3830 and 3790 benches

intersection.	Pb.	Zn	Pb+Zn.
35'	0.7	1.9	2.6
30'	1.2	3.2	4.4
35'	1.6	2.1	3.7
15'	0.5	2.8	3.3
75'	0.9	0.7	1.6
45'	1.0	2.2	3.2
total	235'	1.0	1.8

Availability of Massive Pyrite.
on 3830 and 3790

1) Developed (~~March 25~~) 4 month plan banks

Bench	1 ST reading	2 ND reading	ave	yd ³	tons.
3830	1499	2968	1484	8,729	259,899
3790	1720	3431	1716	94,479	<u>300,442</u>
					560,341

2) Developed from ^{4 month plan banks} (~~March 25~~) on completion of 1ST pass with Marion.

3830	99	196	98	5,397	17,163
3790	1011	2018	1009	55,569	<u>176,710</u>
					193,873

3) total developed upon completion of 1ST Marion pass (4030 to 3910)
= 754,214 tons.

4) very little massive pyrite is developed during the (~~last quarter~~) 2nd Marion pass (4030 to 3910)

Effect of milling 20% massive pyrite on planned feed grades for ~~1974~~ 9.4 million yard pit

tons	% Pb	% Zn
712,400	1.5	2.0
<u>2,849,600</u>	<u>3.95</u>	<u>5.33</u>
3,562,000	3.46	4.66