

5 YEAR PIT
1974 to 1978

002244

- using stockp. in first 2 years
- Zone 2 in latter years

	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>TOTALS</u>
MILL FEED - PIT (Tons)	2,292,402	2,267,143	3,660,000	3,650,000	3,650,000	15,519,545
(Yd.)	720,881	712,938	1,150,943	1,147,798	1,147,798	4,880,356
- STOCKP. (Tons)	1,357,598	1,399,223				2,756,821
(Yd.)	426,917	440,007				866,924
WASTE (Yd.)	6,493,724	6,504,316	6,965,513	6,965,513	6,965,513	33,894,579
STRIPPING RATIO	5.6/1	5.6/1	6.1/1	6.1/1	6.1/1	5.9/1
TOTAL MOVEMENT (Yd.)	7,641,522	7,657,261	8,116,456	8,113,311	8,113,311	39,641,886

J. McL.
Aug. 15-1973

	<u>ORIGINAL</u> <u>PLANS (1974-78)</u>	<u>DESIGNED</u>	<u>ADDITION</u> <u>(THRU USE OF</u> <u>STCKPL. & ZONE</u> <u>TWO.)</u>	<u>DEDUCT (USAGE</u> <u>THRU REVISED</u> <u>5 YR. PERIOD</u> <u>1974-78)</u>	<u>LEAVES QUANT.</u> <u>NOT USED OUT</u> <u>OF ORIGINAL</u> <u>5 Yr. PLAN</u>
ORE (TONS)	18,035,632		5,684,993	18,276,366	5,444,259
(Yd)	5,671,570		1,787,734	5,747,285	1,712,031
WASTE (Yd.)	44,545,650				
TOTAL MOVEMENT	50,217,220				
STRIPPING RATIO	7.85/1				

↗ stripping ratio of last 2 year of 5 year pit.

Use an average stripping ratio of 7.8/1 to calculate "saving" on waste stripping.

$$1,712,031 \text{ yd not used} \times 7.8/1 = 13,353,841$$

$$\text{Waste stripping required over 5 yr: } 44,545,650 - 13,353,841 = 31,191,809$$

Deduct 1974 & 1975 waste stripping:

$$6,493,724 + 6,504,316 = 12,998,040$$

Waste stripping left over 3 yr (1976-78): (ZONE 1 only)

$$31,191,809 - 12,998,040 = 18,193,769$$

Add in waste stripping on Zone 2: 2,702,770

$$\text{TOTAL WASTE STRIPPING REQ'D: } 18,193,769 + 2,702,770 = 20,896,539$$

Distributed equally over 3 years: 6,965,513 yd.

$$\text{Stripping ratio: } 6,965,513 \div 1,147,800 = 6.1/1$$

1974

1975

	<u>FROM PIT</u>	<u>FROM STOCKPILES</u>
<u>MILL FEED</u> (TONS)	2,292,402T	1,357,598T.
(YD)	720,861 YD.	426,917T.
WASTE. (YD)	6,493,724	
STRIPPING RATIO	9.0/1	
ALL MATERIAL (PIT ONLY)	7,214,605	
TOTL MATL. (PIT & SP)	—	7,641,522 —

	<u>FROM PIT</u>	<u>FROM STOCKPILES</u>
	2,267,143	1,399,223
	712,938	440,007
	6,504,316	
	9.1/1	
	7,217,254	
	—	7,657,261 —