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MEMORANDUM

TO: M. O. Hampton
 FROM: P. M. Pettigrew
 DATE: December 22, 1971
 SUBJECT: ORE AVAILABILITY STUDY - JANUARY 1972

Assuming 8,000 t.p.d. 11%+ required, 248,000 tons would be required for the month.

At 16.12.'71 the following was available on 3870:

<u>Grade</u>	<u>Tonnage</u>
11 %	72,300
14 %	135,500

In December we will require 15 days of 12.5% for mill feed to end of month at 8,000 t.p.d. This is 120,000 tons in 1 to 1 ratio of 11% and 14% ore.

Thus, at end of 31.12.'71 the following will be available:

<u>Bench</u>	<u>Grade</u>	<u>Tonnage</u>	<u>Units</u>
3870	11 %	12,300	13,530
	14 %	75,500	105,700
3950	9 %	49,600	44,640
	10 %	9,300	9,300
	11 %	101,300	111,430
		<u>248,000</u>	<u>284,600</u>

Thus, this will give 248,000 tons of 11.5% ore available for January.

NOTE:

1. This allows for some ore loss of 3950 predicted from a syncline mapped in November.
2. Does not use 3910 ore which could be used if less 10-11% ore than expected is actually encountered on 3950.
3. Does not require extension of 3870 to west beyond last row drilled on that side (beyond that point it is very likely that waste dilution will result in 10% or less).
4. Grade calculated is actually suitable for 7,300 t.p.d.
5. Plan leaves around 55,000 tons of 8.5% ore to go to L.G. stockpile from 3950.

P. M. Pettigrew

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Ore Control Geologist

PMP/mm

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