

(a) Proved on ABERFOYLE TIN N. L.

(b) Proved on two sides reasonably close together.

(c) ORE RESERVE ESTIMATE AS AT 27TH NOVEMBER 1974. twenty feet (approx. 6 metres) is allowed.

The measurement and classification of the ore reserve has been carried out according to the same principles as last year.

The estimated ore reserve for this year is 355,600 tonnes compared to 377,250 tonnes last year, a decrease of 21,650 tonnes.

Stope development and rehabilitation plus vein extensions in some known blocks has added 14,550 tonnes to the reserve. However, the combined effects of extraction and tonnes deleted from the ore reserve as uneconomical (9,800 tonnes) has resulted in a net drop of 21,650 tonnes.

All blocks have been plotted in longitudinal projections and dimensions of blocks measured in the plane of the vein. Stoping widths average 4 feet and the maximum width assumed for new reserves is 4 feet for calculation purposes.

The classification of the ore reserve is as follows :

TABLE 1 : This gives the indicated and inferred ore reserve on a level by level basis as at 27.11.1974.

TABLE 2 : This classifies the ore reserve under five categories - A, B, C, D and E and a description of each category is listed above this table.

TABLE 3 : This gives a level by level comparison of the indicated and inferred ore reserve as at 28.11.73 and 27.11.74.

TABLE 4 : This gives a level by level comparison of the total ore reserve as at 28.11.73 and 27.11.74 with reasons for divergencies given in the remarks column.

Ore tonnes are classified as indicated tonnes and inferred tonnes. This classification is used because the ore grade in operating and new blocks is based on visual grade estimations.

The definition of indicated ore is that ore which has been -

- (a) Proved on three or more sides.
- (b) Proved on two sides reasonably close together.
- (c) Proved on one side when extension of ore for twenty feet (approx. 6 metres) is allowed.

Inferred ore is defined as that ore which extends twenty feet (approx. 6 metres) beyond the limits of indicated ore.

Level	Indicated Ore (Tonnes)	Inferred Ore (Tonnes)	Total Ore (Tonnes)
1	10,550	1,350	12,000
2	16,100	7,250	23,350
3	21,000	6,350	27,350
4	26,700	5,250	31,950
5	65,700	7,400	72,600
6	44,500	14,350	59,150
7	32,450	1,150	33,600
8	44,250	6,900	51,350
9	24,550	6,000	30,550
10	6,200	300	6,500
11	3,000	(H)	3,000
12	2,000	-	2,000
Totals =			355,500

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Table 2.

Categorised Ore Reserve Estimate As At 27.11.1974

TABLE 1

(Categories A, B, C and D represent Indicated Ore; Category E represents Inferred Ore. Categories are defined as follows:-

Ore Reserve Estimated As At 27.11.1974

Level	Indicated Ore (Tonnes)	Inferred Ore (Tonnes)	Total Ore (Tonnes)
1	10,550	2,250	12,800
2	16,100	7,250	23,350
3	21,000	6,350	27,350
4	26,700	5,250	31,950
5	65,200	7,400	72,600
6	44,600	14,550	59,150
7	32,450	1,150	33,600
8	44,450	6,900	51,350
9	24,550	6,000	30,550
10	6,300	300	6,600
11	3,350	-	3,350
12	2,950	-	2,950
Totals -	298,200	57,400	355,600

8	44,450	6,900	51,350
9	24,550	6,000	30,550
10	6,300	300	6,600
11	3,350	-	3,350
12	2,950	-	2,950
Totals	298,200	57,400	355,600

Table 2.

Categorised Ore Reserve Estimate As At 27.11.1974

(Categories A, B, C and D represent Indicated Ore; Category E represents Inferred Ore. Categories are defined as follows :-

A. Ore blocks considered to be economical at budget metal prices and accessible now at present costs.

B. Ore blocks considered to be economical at budget metal prices and accessible with moderately increased costs. (Development or rehabilitation.)

C. Ore blocks considered to be marginally profitable at budget metal prices and accessible with high costs. (Development or rehabilitation.)

D. Ore blocks considered to be uneconomical at budget metal prices due to low grades or excessively high costs.

E. Inferred ore.)

Level	A tonnes	B tonnes	C tonnes	D tonnes	E tonnes	Total tonnes
1	1,750	-	3,250	5,550	2,250	12,800
2	5,150	-	6,950	4,000	7,250	23,350
3	11,650	5,400	3,950	-	6,350	27,350
4	13,600	2,350	5,350	5,400	5,250	31,950
5	36,150	12,150	11,200	5,700	7,400	72,600
6	23,150	16,450	1,200	3,800	14,550	59,150
7	13,450	5,050	10,650	3,300	1,150	33,600
8	15,350	-	14,350	14,750	6,900	51,350
9	9,650	-	1,850	13,050	6,000	30,550
10	-	300	-	6,000	300	6,600
11	-	300	1,100	1,950	-	3,350
12	-	-	-	2,950	-	2,950
Totals	129,900	42,000	59,850	66,450	57,400	355,600

TABLE 4

Level by Level Comparison of Ore Reserve in Ore Tonnes
As At 28.11.73 and 27.11.74

LEVEL	28.11.1973 Tonnes	27.11.1974 Tonnes	DIFFERENCE	REMARKS
1	12,800	12,800	-	No mining activity on 1 level.
2	19,950	23,350	+ 3,400	Increase due to stope development and vein extension.
3	25,900	27,350	+ 1,450	Increase due to stope development which has off set extraction.
4	35,550	31,950	- 3,600	Decrease due to extraction and the deletion of an un-economical block.
5	75,800	72,600	- 3,200	Decrease due to extraction.
6	65,400	59,150	- 6,250	Decrease due to extraction.
7	38,850	33,600	- 5,250	Decrease due to extraction and the deletion of un-economical areas in two blocks.
8	58,100	51,350	- 6,750	Decrease due to extraction.
9	32,000	30,550	- 1,450	Decrease due to extraction.
10	6,600	6,600	-	No mining activity on 10 level.
11	3,350	3,350	-	No mining activity on 11 level
12	2,950	2,950	-	Downward extension 11 level ore unchanged.
Totals	377,250	355,600	-21,650	