

ORE RESERVES

The following tables summarise the ore reserve statement for Aberfoyle and Storeys Creek Mines.

TABLE 1. ABERFOYLE MINE

DILUTED MINEABLE ORE RESERVE STATEMENT - 1/10/75

INDICATED GEOLOGICAL RESERVES (CATEGORIES ABCD)			INFERRED GEOLOGICAL RESERVES (CATEGORY "E")		NON MINEABLE GEOLOGICAL INDICATED RESERVES (QUARTZ TONNES) C & D			UNDILUTED INDICATED MINEABLE RESERVE A & B			PLANNED WASTE DILUTION	INDICATED DILUTED MINEABLE RESERVES A & B		
QUARTZ TONNES	QUARTZ Sn	GRADE% WO 3	ORE TONNES	ORE GRADE%	SUB. ORE	PLANNED EXTR. LOSS	SUB TOTAL	QUARTZ TONNES	QUARTZ Sn	GRADE% WO 3	TONNES	ORE TONNES	ORE Sn	GRADE% WO 3
64,310			59,750	0.6			41520	22,790	2.6	0.45	75,860	98,650	0.60	0.1

INDICATED GEOLOGICAL RESERVE (QUARTZ) - NON MINEABLE RESERVE (QTZ) = UNDILUTED MINEABLE RESERVE (QTZ) + DILUTION = INDICATED DILUTED MINEABLE RESERVE

TABLE 2. STOREYS CREEK MINE

INDICATED GEOLOGICAL RESERVES (CATEGORIES ABCD)			INFERRED GEOLOGICAL RESERVES (CATEGORY "E")		NON MINEABLE GEOLOGICAL INDICATED RESERVES (QUARTZ TONNES) C & D			UNDILUTED INDICATED MINEABLE RESERVE A & B			PLANNED WASTE DILUTION	INDICATED DILUTED MINEABLE RESERVES A & B		
QUARTZ TONNES	QUARTZ Sn	GRADE% WO 3	ORE TONNES	ORE GRADE%	SUB. ORE	PLANNED EXTR. LOSS	SUB TOTAL	QUARTZ TONNES	QUARTZ Sn	GRADE% WO 3	TONNES	ORE TONNES	ORE Sn	GRADE% WO 3
152,250	0.03	0.60	24,850		83,550	26,250	109800	42,450	0.05	1.1	15,800	58,250	0.04	0.8

Following completion of the above ore reserve statements a further analysis was undertaken to select ore blocks suitable for selective mining. The selective mining cut-off grade was 0.8% combined metal and the following tables summarise the available ore for such a programme.

ABERFOYLE TIN N.L.

A comparison of the mine labour complement for various past and present production levels. An estimate of minimum future labour required for various production levels has been prepared. The following table shows the comparisons.

MINE COMPLEMENT COMPARISONS

	JUNE '73	NOV '73	PERIOD 11 28.10.75	PERIOD 12 IN PROGRESS	ESTIMATED MINIMUM LABOUR REQUIREMENT FOR			
					190 TPD	175 TPD	160 TPD	125 TPD
STAFF	31	21	27	26	24	24	23	18
MINE (ABERFOYLE)	64	54	60	58	56	56	56	56
MINE (STOREYS CREEK)	73	9	51	49	39	33	24	2
MILL	37	12	18	19	14	14	14	12
ENGINEERING	37	15	34	35	30	27	25	20
ADMINISTRATION	7	4	6	6	6	5	5	4
TOTAL	249	115	196	193	169	159	147	112
ATTENDANCE	87%	93.3%	91.1%		91%	92.5%	93%	94%
TONNES TREATED/DAY	270	154	204		190	175	160	125
HEAD GRADE	0.90%	1.14%	0.85%		0.85%	0.90%	0.95%	1.1%

ABERFOYLE TIN N. L. - DILUTED MINEABLE ORE RESERVE STATEMENT - 1ST OCTOBER, 1975

226
10/1

LEVEL	INDICATED GEOLOGICAL RESERVES (CATEGORIES ABCD)			INFERRED GEOLOGICAL RESERVES (CATEGORY E)		NON MINEABLE GEOLOGICAL INDICATED RESERVES (QUARTZ TONNES) C & D			UNDILUTED INDICATED MINEABLE RESERVE A & B			PLANNED WASTE DILUTION	INDICATED DILUTED MINEABLE RESERVES A & B		
	Quartz Tonnes	Quartz Sn	Grade % WO ₃	Ore Tonnes	Ore Grade%	Sub. Ore	Planned Extr. Loss	Sub Total	Quartz Tonnes	Quartz Sn	Grade% WO ₃	Tonnes = $\frac{D}{E}$	Ore Tonnes $\frac{G}{H}$	Ore Sn	Grade% WO ₃
1	2070	2.4	0.3 2.7	2250	0.5	1400	550	1950	120	4.1	0.7	680 $\frac{859}{2}$	800 $\frac{0.18}{1}$	0.6	0.1
2	3470	2.6	0.3 2.9	8000	0.7	1730	300	2030	1440	2.7	0.3	4310 $\frac{75}{1}$	5750 $\frac{0.30}{1}$	0.6	0.1
3	3770	3.0	0.5 3.5	6550	0.7	1110	370	1480	2290	3.3	0.6	9710 $\frac{81}{1}$	12000 $\frac{0.23}{1}$	0.6	0.1
4	5280	3.1	0.3 3.4	5250	0.7	1240	1390	2630	2650	3.2	0.2	9000 $\frac{77}{1}$	11650 $\frac{0.27}{1}$	0.7	0.1
5	11870	2.6	0.4 3.1	8400	0.5	4390	1250	5640	6230	3.4	0.4	21920 $\frac{79.5}{1}$	28150 $\frac{0.25}{1}$	0.6	0.1
6	8540	2.3	0.5	14400	0.6	3980	790	4770	3770	2.9	0.3	12330	16100	0.7	0.1
7	6890	2.0	0.5	1150	0.4	2570	3590	6160	730	2.8	0.6	2870	3600	0.6	0.1
8	9480	1.8	0.9	7450	0.6	3910	3030	6940	2540	2.9	1.2	10610	13150	0.6	0.1
9	9710	1.6	0.9	6000	0.7	1010	5800	6810	2900	1.7	0.6	3950	6850	0.6	0.2
10	1480	1.3	0.6	300	0.6	1350	70	1420	60	3.2	-	240	300	0.6	-
11	600	1.1	0.8	-	-	50	490	540	60	3.2	-	240	300	0.6	-
12	1150	2.0	0.6	-	-	-	1150	1150	-	-	-	-	-	-	-
	64310	2.23	0.57	59750	0.6	22740	18780	41520	22790	2.95	0.49	75860	98650	0.6	0.1

INDICATED GEOLOGICAL RESERVE (QUARTZ) - NON MINEABLE RESERVE (QTZ) = UNDILUTED MINEABLE RESERVE (QTZ) + DILUTION = INDICATED DILUTED MINEABLE RESERVE

64310 - 41520 = 22790 + 75860 = 98650

ABERFOYLE TIN N. L. - ORE RESERVE RECONCILIATION 1ST OCTOBER, 1974 - 30TH SEPTEMBER, 1975

LEVEL	INDICATED DILUTED MINEABLE RESERVE AS AT 1.10.74	EXTRACTION FROM 2.10.74	NON RECOVERIES RESERVES	ADDITIONS TO RESERVES	INDICATED DILUTED MINEABLE RESERVES AS AT 30.9.75
1	1750	-	950	-	800
2	5200	410	1150	2110	5750
3	17800	4920	3450	2570	12000
4	16000	680	6300	2630	11650
5	50050	10650	12150	900	28150
6	40550	5260	19190	-	16100
7	18600	30	14970	-	3600
8	16050	2900	-	-	13150
9	10400	4450	1350	2250	6850
10	300	-	-	-	300
11	300	-	-	-	300
12	-	-	-	-	-
	177000	29300	59510	10460	98650