

ABERFOYLE TIN N. L.

LUTWYCHE - DILUTED MINEABLE ORE RESERVE STATEMENT - 1ST OCTOBER, 1977

LEVEL	INDICATED GEOLOGICAL RESERVES (CATEGORIES A B C & D)			INFERRED GEOLOGICAL RESERVES (CATEGORY "E")		NON-MINEABLE GEOLOGICAL INDICATED RESERVES (QUARTZ TONNES) C + D			UNDILUTED INDICATED MINEABLE RESERVE A + B			INDICATED DILUTED MINEABLE RESERVES A + B			
	Quartz Tonnes	Quartz % Sn	Grade % WO ₃	Ore Tonnes	Ore Grade	Sub.Ore	Planned Extract. Loss	Sub-Total	Quartz Tonnes	Grade Sn	Grade WO ₃	Planned Dilution Tonnes (Waste)	Ore Tonnes	Ore % Sn	Grade % WO ₃
13	2430	0.6	2.6	4300	0.8	-	-	-	2430	0.6	2.6	7270	9700	0.2	0.6
14	1080	0.9	2.3	4300	0.8	-	-	-	1080	0.9	2.3	3220	4300	0.2	0.6
TOTAL	3510	0.7	2.5	8600	0.8	-	-	-	3510	0.7	2.5	10490	14000	0.2	0.6

INDICATED GEOLOGICAL RESERVE (QUARTZ) - NON-MINEABLE RESERVE (QUARTZ) = UNDILUTED MINEABLE RESERVE + DILUTION = INDICATED DILUTED MINEABLE RESERVES.
 3510 - = 3510 + 10490 = 14,000

CATEGORIES

- (A) - Ore which is economically accessible ^{at} ~~to~~ present costs.
- (B) - Ore which is economically accessible at moderately increased costs (sandfill, development and rehabilitation).
- (C) - Ore which is of marginal profitability at current prices or accessible with high costs (development or rehabilitation).
- (D) - Ore blocks considered to be uneconomical at present prices due to low grade or excessive costs.
- (E) - Inferred Ore.

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LUTWYCHE ± ORE RESERVE RECONCILIATION 1st OCT. 1976 - 1st OCT. 1977

LEVEL	INDICATED DILUTED MINEABLE RESERVES AS AT 1.10.76	EXTRACTION	NON-RECOVERABLE RESERVES	ADDITIONS TO RESERVES	INDICATED DILUTED MINEABLE RESERVES AS AT 1.10.77
13	-	-	-	9700	9700
14	-	-	-	4300	4300
TOTALS	-	-	-	14000	14000

ABERFOYLE TIN N. L.

ABERFOYLE MINE - ORE RESERVE RECONCILIATION 1st OCT. 1976 - 30th SEPT. 1977.

LEVEL	INDICATED DILUTED MINEABLE RESERVES AS AT 1.10.76	EXTRACTION	NON-RECOVERABLE RESERVES	ADDITIONS TO RESERVES	INDICATED DILUTED MINEABLE RESERVES AS AT 30.9.77
1	5400	2230	-	4130	7300
2	14600	3770	-	9020	19850
3	5450	580	-	3480	8350
4	15050	6030	-	10780	19800
5	12450	2840	-	5840	15450
6	10000	2550	-	8850	16300
7	2300	3180	-	2880	2000
8	650	-	-	-	650
9	4700	1940	-	1540	4300
10	-	-	-	-	-
11	-	-	-	-	-
12	-	-	-	-	-
TOTALS	70600	23120	-	46520	94000

ABERFOYLE TIN N. L.

ORE RESERVE SUMMARY - OCTOBER 1977

(Ore Grades and Tonnages)
Rounded Off

1. ORE RESERVES AT 1st OCTOBER 1977

	INDICATED DILUTED MINEABLE ORE TONNES @ (CATEGORIES "A", "B")	Grade %Sn %WO ₃		INFERRED AND NON-MINEABLE INDICATED GEOLOGICAL RESERVES (CATEGORIES "C", "D", "E") (DILUTED TONNES)
ABERFOYLE MINE	94000	0.6	0.2	231000
STOREYS CREEK MINE	15500	-	0.74	327000
LUTWYCHE PROJECT	14000	0.3 0.2	0.6 0.6	9000
TOTAL	123500	0.5	0.3	567000

2. ORE RESERVE RECONCILIATION 1.10.76 - 30.9.77 (Tonnes)

	INDICATED DILUTED MINEABLE RESERVES AT 1. 10. 76	EXTRACTION	NON-RECOVERABLE RESERVES	ADDITIONS TO RESERVES	INDICATED DILUTED MINEABLE RESERVES AT 30. 9. 77
ABERFOYLE MINE	70600	23100	-	46500	94000
STOREYS CREEK MINE	39100	19600	9600	5600	15500
LUTWYCHE PROJECT	-	-	-	14000	14000
TOTAL	109700	42700	9600	66100	123500

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ABERFOYLE MINE - DILUTED MINEABLE ORE RESERVE STATEMENT - 1st OCTOBER, 1977

LEVEL	INDICATED GEOLOGICAL RESERVES (CATEGORIES A B C & D)			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 Extract. Loss	Sub-Total	Quartz Tonnes	Sn	Quartz Grade WO ₃	Tonnes	Ore Tonnes	Ore % Sn	Grade % WO ₃
1	3770	2.6	+ 0.6	2250	0.5	1520	550	2070	1700	2.8	0.9	5600	7300	0.28	0.7
2	6110	2.4	0.7	4350	0.7	1290	300	1590	4520	2.3	0.8	15330	19850	0.27	0.5
3	3020	2.7	0.6	4750	0.7	1110	350	1460	1560	2.9	0.8	6790	8350	0.22	0.6
4	6580	3.2	0.6	2250	0.9	1190	1390	2580	4000	3.2	0.9	15800	19800	0.24	0.7
5	9970	2.2	0.7	7700	0.6	5200	1250	6450	3520	2.4	1.1	11930	15450	0.25	0.5
6	8140	2.3	0.8	14000	0.5	3410	790	4200	3940	2.2	1.2	12360	16300	0.6	0.3
7	7010	2.0	0.6	1150	0.4	3080	3590	6670	340	3.6	1.8	1660	2000	0.6	0.3
8	8350	1.5	0.9	6400	0.6	5210	3030	8240	110	2.4	1.2	540	650	0.4	0.2
9	6570	1.3	1.0	6000	0.7	1010	3910	4920	1650	1.0	1.3	2650	4300	0.4	0.5
10	1480	1.2	0.7	300	0.7	1410	70	1480	-	-	-	-	-	-	-
11	600	1.1	0.8	-	-	110	490	600	-	-	-	-	-	-	-
12	1150	2.0	0.6	-	-	-	1150	1150	-	-	-	-	-	-	-
	62750	2.1	0.7	49150	0.6	24540	16870	41410	21340	2.5	1.0	72660	94000	0.6	0.2

INDICATED GEOLOGICAL RESERVE (QUARTZ) - NON-MINEABLE RESERVE (QUARTZ) = UNDILUTED MINEABLE RESERVE + DILUTION = INDICATED DILUTED MINEABLE RES.
 62750 - 41410 = 21340 + 72660 = 94,000

CATEGORIES

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