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ABERFOYLE TIN DEVELOPMENT PARTNERSHIP

**MICROFILMED**

CLEVELAND MINE, TASMANIA

REPORT ON ORE RESERVES ESTIMATES

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## 1. INTRODUCTION

The previous ore-reserve calculations (Reference 1.) were dated 22nd April 1965 and based upon the geological interpretation of January 1965 (Reference 2.).

All geological information and assay data obtained from further diamond drilling (Reference 3.) and development on the 1300 ft. RL. "Qa" Adit Level (Reference 4.), and continued mapping and costeaning has been summarised and examined in a recent report, (Reference 5.):-

"Report of the Resident Geologist Upon Completion of Diamond Drilling Programme, Cleveland Mine, Tasmania", dated 1-3-66.

The geological interpretation presented in the above-mentioned report forms the basis for the ore-reserve calculations presented here. For a detailed discussion, accompanied by geological fact and interpretation plans and sections, the reader is referred to Reference 5. However, in order to understand the geological interpretation and ore-reserve calculations based upon it, the following brief summary is given.

## 2. GEOLOGICAL INTERPRETATION

The sulphide lode beds are conformable with the shale and felspathic sandstone units of the Lode Formation. This formation is up to 100 ft. thick in the mine are, and lies between the underwall Mica Sandstone Formation and the overwall Basic Volcanics Formation.

The major structure is the overturned S.E. limb of a S.W. plunging anticline. The lode bed is one stratigraphic horizon which has been displaced along several major N.W. dipping axial plane faults (N.W. block down and to the S.W. relative to S.E. block) into a series of separate lenses. These lenses, referred to as Luck's-, Henry's- and Hall's Lode, lenses A, B, C, D, E, F, and G from N.W. to S.E., occur en echelon in cross-section, increasing in depth to the S.E. Minor faulting complementary to the major movements further complicates the overall structure. This structural interpretation is essentially the same as that of January 1965.

The recent diamond drilling has provided valuable additional information on Lenses "A", "B" and "C" and Luck's- Henry's, and sufficient data on Lenses "D" and "E" for some ground now to be included as inferred ore. Further detailed drilling will be required on Lenses "C", "D", "E", "F" and "G" and on Luck's. Diamond drilling recommendations will be presented in a separate report.

### 3. ORE RESERVES

#### (a) Preliminary Discussion

Two ore-reserve categories are used throughout this report:-

- (i) Indicated Ore which has been established by the 1300 ft. RL. "Qa" adit level drives and cross-cuts, diamond drilling and surface outcrops.
- (ii) Inferred Ore which has been established by diamond drilling and geological projection only.

These categories comply with the definitions adopted by the Australasian Institute of Mining and Metallurgy and the United States Bureau of Mines.

A composite longitudinal projection of the 8 ore-lenses (Luck's-Henry's and Lenses "A", "B", "C", "D", "E", "F" and "G") is attached (drawing no. C-128-G). The ore-reserve calculation sheets on longitudinal projection for Lenses "A", "B", "C", "D", "E" and Luck's-Henry's are attached (drawing nos. C-122-G to C-127-G respectively). These latter show all indicated and inferred ore-blocks, together with block tonnages and adopted tin grade, and individual sample grades (tin) and widths. These latter are taken from Table 2 of the complementary geological report (Reference 5.).

All lenses have been projected onto a vertical reference plane. Blocks are delineated in one of the conventional ways to make optimum use of the sample data. Block volumes are calculated as the product of the area measured on the vertical reference plane and the average block width as determined from the geological interpretation cross-sections and horizon plans. These volumes, therefore, tend to be conservative. In calculating tonnages from volumes, a factor of 11 cu.ft. = 1 ton in situ has been employed.

Two grades have been used throughout these calculations:-

Grade ( $g_1$ ) is the grade for each block established over a certain width by drilling and/or cross-cutting. Grade ( $g_2$ ) is grade ( $g_1$ ) modified in terms of the average width established for each block from the geological interpretation plans and cross-sections.

Both sets of calculations are given throughout this report for the tin grade, but grade ( $g_1$ ) has been adopted as the figure for the ore-reserves. Calculations for copper grade ( $g_1$ ) only are included.

It should be noted here that in calculating the copper grade it was necessary to assume the grade of certain early drilling intersections which were not assayed for copper (see Appendix "C" for details). A figure of 0.30%Cu. was allotted to

all such sample locations, bearing in mind the bulk copper assay of 0.34%Cu. from early drill core reported in Manson's Ore Dressing Report no. R482.

The ore-reserve results for tin and copper are shown in Appendix "A". The individual block calculations are summarised in Appendices "B" and "C".

As no grade has been satisfactorily determined for Luck's and Khaki Lenses, these are not included in the reserves. This is also the case for Lenses "F" and "G", and for much of Lenses "D" and "E". Additional drilling will be detailed for future testing of these lenses.

(b) Indicated Ore

Indicated ore is that established by development on the 1300 ft. RL. "Qa" Adit Level, surface outcrop and diamond drilling. The sample location grades used in this report are obtained from:-  
( i) CHANNEL samples on both walls of each cross-cut, and  
(ii) DDH. SPLIT-CORE samples.  
These grade results are conveniently tabulated in Table 2 of Reference 5.

Indicated ore blocks are located in Hall's Lode, Lenses "A" and "B", and Henry's Lode, and account for 1,494,511 tons out of a total (indicated and inferred) of 2,850,028 tons. Adopted grades (g<sub>1</sub>) are 1.04%Sn. and 0.32%Cu. Tin grade (g<sub>2</sub>) is 1.14%Sn.

(c) Inferred Ore

Inferred ore is that established by diamond drilling and geological projection only. Inferred ore blocks are located in Henry's Lode and Hall's Lode, Lenses "A", "B", "C", "D" and "E". Where no grade has been satisfactorily obtained, areas of lode are omitted. This is the case for Lenses "F", "G", Luck's and Khaki, and for parts of Lenses "C", "D" and "E". Further drilling will be recommended in these areas.

Inferred ore blocks account for 1,355,517 tons. Adopted grades (g<sub>1</sub>) are 0.99%Sn. and 0.55%Cu. Tin grade (g<sub>2</sub>) is 1.33%Sn.

(d) Total Indicated and Inferred Ore

The overall reserves are estimated at 2,850,028 tons (indicated and inferred). Adopted grades (g<sub>1</sub>) are 1.02%Sn. and 0.43%Cu. Tin grade (g<sub>2</sub>) is 1.23%Sn.

#### 4. FINAL COMMENTS

The ore-reserves now calculated show a sharp increase (approximately 45%) over the figures presented in 1965. Such an increase requires clarification and comment. It will be showed also that this increase is approximately of the same magnitude for both the indicated and inferred categories. To make an adequate comment it is best to examine each lens separately.

Lens "A". The increase in reserves here is approximately 200,000 tons. This is mainly due to the extension of drill intersections from the 1300 RL. south drive. The ore added in this section is in the order of 150,000 tons. The remainder of the increase, which is quite small is due to additional drill intersections at depth and a re-interpretation of results from projected level plans and cross-sections.

Lens "B". On this lens the increase again is of the same order (i.e. 225,000 tons), but it will be observed that most of the increase has been in the indicated category. The increase in the indicated category is due to more drilling and re-interpretation in the central section of the mine. More confidence is expressed because of intersections obtained at depth on the Qa section of drill hole C88. Thus the additional reserves in the "B" lens lie at depth and at the northern end of the ore-body. It will be seen that quite wide intersections have been obtained on "lode" material on the southern end of the ore-body, but because the values are low, the potential reserves have been discarded.

The inclusion of lens "B" in the central section down to RL.1000 in the indicated zone has resulted in an overall up-grading of the indicated ore for the mine compared with last years - i.e. from 0.94%Sn. (1965) to 1.04%Sn. (1966).

The question arises as to whether we should in assuming reserves cut the value for lens "B" in the indicated category. This raises a point which can be argued either way, however, since the total reserve grade (indicated and inferred) remains constant i.e., 1.01%Sn. for both years. It seems fair to leave the figures in and consider the grade separately in later comments.

Lens "C". It is in this lens that the major increase in reserves has occurred - an increase of almost half a million tons. Last year lens "C" was not taken into account because the lack of

drill intersections and some indecision regarding the exact pattern of the echelon lenses. We feel now that lens "C" although still only in the inferred category, should be given the reserves which drilling has disclosed.

Lens "D" and "E". These two parallel lenses have been included from interpretations made by drill intersections. The amount of ore material is 300,000 tons and the grade somewhat lower at 0.73% Sn. Again the confidence obtained from interpretation and prediction of these parallel lenses in drilling has shown that the ore there should be in the inferred category.

Battery Lenses. In 1965 a figure of 360,000 tons was inferred for the Battery workings. As pointed out at the time of making the calculations last year, this figure was adopted from Mason's report of June 1963. No additional work had been carried out in the interim period and we felt that we could not change that figure. However, during the last twelve months drilling in the Battery area has indicated that the lodes there are probably disturbed by oblique faulting. The picture at the moment is complex and until the interpretation has proved satisfactory and we feel more confident the reserves for the Battery have been eliminated. This does not mean that no reserves exist but that the interpretation as yet is unsatisfactory. However, for the remainder of the mine it is felt by the writers that there is little doubt about the structural interpretation and the reserves in the order of 3 million tons being conservative.

Grade. For the portion of the deposit sampled, in taking cognisance of the results of comparable sampling methods tabulated in Table 1, page 4, of the report on Sample Data Analysis, reference No. 5; it is seen that the weighted mean grade from the four sampling methods is 0.83% Sn. whereas it is 0.86% Sn. by D.D.H. split core samples only. Thus, since the overall indicated and inferred grade is principally established by diamond drilling there is, on the evidence gained from the exploratory development of "A" lens on 1300' RL, a small risk that the tin grade might prove to be 3-6% less than calculated at 1.01%. It is doubtful, however, whether there is a strong enough case to make a correction to the calculated grade.

It should be clearly understood that in all economic assessments, mining dilution will be separately applied to ore reserve grade herein stated. For example:-

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	<u>Tons</u>	<u>Grade</u> <u>% Sn.</u>
Total Indicated & Inferred Reserves	2,850,000	1.01
Mining Dilution, 12% by weight	342,000	Nil
	<hr/>	<hr/>
Weighted Average Mined Grade (at above dilution)	3,192,000	0.91%
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R. Cox

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K.R. Glasson.

4-3-66.

5. REFERENCES

1. "Report on Ore Reserves", 22-4-65, by K.R. Glasson and R. Cox.
2. "Report of the Resident Geologist upon Completion of Exploratory Underground Development, RL.1300 ft. Level", January 1965, by R. Cox.
3. "Drilling Programme, Cleveland Project 1965", 2-2-65 by K.R. Glasson and R. Cox.
4. "Report Upon Completion of the 1300 ft. RL. "Qa" Adit Level Exploration Programme, Cleveland Mine, Tasmania", 30-11-65, by R. Cox.
5. "Report on Sample Data Analysis for Hall's Lode, Lens "A" Upon Completion of 1300'RL. "Qa" Adit Level Exploration Programme, Cleveland Mine, Tasmania", 30-11-65, by R. Cox.
6. "Report of the Resident Geologist Upon Completion of Diamond Drilling Programme, Cleveland Mine, Tasmania", 1-3-66, by R. Cox.

APPENDIX "A"

SUMMARY OF ORE RESERVE ESTIMATES

Sheets 1 - 2

K.R. Glasson and R. Cox, 4-3-66.

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ABERFOYLE TIN DEVELOPMENT PARTNERSHIP - CLEVELAND DEVELOPMENT PROJECTAPPENDIX A - SHEET 1SUMMARY OF ORE RESERVE ESTIMATESCLEVELAND MINE, MARCH 1966.INDICATED ORE (Tin Grade)

LENS	BLOCKS	TONNAGE*	GRADE * (g <sub>1</sub> ) - %Sn.	PRODUCT* (t x g <sub>1</sub> ) - Sn.
A	A1-26 inclusive except A19 + A22	1,038,075	0.89	926,351
B	(B3-B8) + B11 + (B14-17) inclusive	373,481	1.37	513,762
Henry's	(H1 - H3) inclusive	82,955	1.46	120,903
Totals		1,494,511	-	1,561,016
Means		-	1.04 (1.044)	-

INFERRED ORE (Tin Grade)

A	A19 + A22	62,930	0.94	59,329
B	B13 + B18 + (B21-23) inclusive	301,522	1.08	325,860
C	(C1-C6) + C8 + C9 + (C12-18) inclusive	597,320	1.00	599,874
D	D1-D3 inclusive	200,450	0.76	152,705
E	E1	99,210	0.67	66,471
Henry's	H4-H7 inclusive	94,085	1.42	133,542
Totals		1,355,517	-	1,337,781
Means		-	0.99 (0.986)	-

TOTAL INDICATED AND INFERRED (Tin Grade)

INDICATED	1,494,511	1.04	1,561,016
INFERRED	1,355,517	0.99	1,337,781
Totals	2,850,028	-	2,898,797
Means	-	1.02 (1.017)	-

\* Data extracted from Appendix "B".

K.R. Glasson and R. Cox, 4-3-66.

ABERFOYLE TIN DEVELOPMENT PARTNERSHIP - CLEVELAND DEVELOPMENT PROJECTAPPENDIX A - SHEET 2SUMMARY OF ORE RESERVE ESTIMATESCLEVELAND MINE, MARCH 1966.INDICATED ORE (Copper Grade)

LENS	BLOCKS	TONNAGE*	GRADE* (%) - Cu.	PRODUCT* (t x %) - Cu.
A	as per sheet 1	1,038,075	0.31	325,397
B	as per sheet 1	373,481	0.29	109,266
Henry's	as per sheet 1	82,955	0.45	37,700
Totals		1,494,511	-	472,363
Means		-	0.32 (0.316)	-

INFERRED ORE (Copper Grade)

A	as per sheet 1	62,930	0.34	21,578
B	as per sheet 1	301,522	0.73	219,341
C	as per sheet 1	597,320	0.58	346,342
D	as per sheet 1	200,450	0.48	96,650
E	as per sheet 1	99,210	0.30	29,763
Henry's	as per sheet 1	94,085	0.41	38,430
Totals		1,355,517	-	752,104
Means		-	0.55 (0.554)	-

TOTAL INDICATED AND INFERRED (Copper Grade)

INDICATED	1,494,511	0.32	472,363
INFERRED	1,355,517	0.55	752,104
Totals	2,850,028	-	1,224,467
Means	-	0.43 (0.429)	-

\* Data extracted from Appendix "B".

K.R. Glasson and R. Cox, 4-3-66.

APPENDIX "B"

SUMMARY OF ORE RESERVE

BLOCK CALCULATIONS

INDICATED AND INFERRED CATEGORIES

Sheets 1 - 6

K.R. Glasson and R. Cox, 4-3-66.

## APPENDIX "B" - SHEET 1

## HALL'S LODE, LENS "A" - INDICATED ORE

BLOCK NO	AVERAGE WIDTH ft.	AREA ON * LONGIT PROJECTION (sq.ft.)	VOLUME (cu.ft.)	TONNAGE (t)	GRADE - %Sn		PRODUCT		GRADE (g <sub>1</sub> ) %Cu.	PRODUCT (t x g <sub>1</sub> ) - Cu.
					from inter-section (g <sub>1</sub> )	altered to width (g <sub>2</sub> )	(t x g <sub>1</sub> ) - Sn.	(t x g <sub>2</sub> ) - Sn.		
A 1	15.25	18,000	274,500	24,955	0.73	0.91	18,217	22,709	0.36	8,984
A 2	18.57	35,200	653,664	59,425	0.88	1.06	52,294	62,990	0.31	18,422
A 3	17.78	30,400	540,512	49,140	0.90	1.25	44,226	61,425	0.32	15,725
A 4	23.17	26,800	620,956	56,450	1.15	1.25	64,917	70,562	0.33	18,629
A 5	30.00	26,800	804,000	73,090	1.04	0.79	73,821	57,741	0.35	25,582
A 6	26.58	26,800	712,344	64,760	0.93	1.05	60,227	67,998	0.38	24,609
A 7	30.75	24,000	738,000	67,090	0.94	1.09	63,065	73,128	0.35	23,482
A 8	35.67	22,000	784,740	71,340	0.74	0.78	52,792	55,645	0.27	19,262
A 9	31.00	33,400	1,035,400	94,125	0.70	0.65	65,888	61,181	0.25	23,531
A10	19.00	9,450	17,955	1,630	0.38	0.38	619	619	0.21	342
A11	17.29	15,300	264,537	24,050	0.74	0.90	17,797	21,645	0.27	6,494
A12	22.00	19,100	420,200	38,200	0.78	0.87	29,796	33,234	0.29	11,078
A13	26.50	12,450	329,925	29,995	1.07	0.98	32,095	29,395	0.35	10,498
A14	26.40	9,800	258,720	23,520	1.04	0.85	23,755	19,992	0.31	7,291
A15	18.60	11,950	222,270	20,205	0.62	0.57	12,527	11,517	0.28	5,657
A16	19.60	9,200	180,320	16,390	0.88	1.24	14,423	20,324	0.37	6,064
A17	27.50	7,700	211,750	19,250	0.63	0.77	12,127	14,822	0.30	5,775
A18	28.25	9,350	264,138	24,010	0.69	0.69	16,567	16,567	0.23	5,522
A20	11.33	24,650	279,285	25,390	0.95	1.66	24,120	42,147	0.29	7,363
A21	15.33	23,200	355,656	32,330	1.14	1.64	36,856	53,021	0.32	10,346
A23	24.11	26,450	637,710	57,975	1.13	1.41	65,512	81,745	0.34	19,712
A24	28.54	25,450	726,343	66,030	1.01	1.14	66,690	75,274	0.30	19,809
A25	32.44	19,900	645,556	58,685	0.77	0.66	45,187	38,732	0.30	17,606
A26	19.62	22,450	440,469	40,040	0.82	0.62	32,833	24,825	0.34	13,614
TOTALS				1,038,075	-	-	926,351	1,017,238	-	325,397
MEANS				-	0.89 (adopted)	0.98	-	-	0.31	-

\* Throughout tables forming Appendix "B", areas stated are those from projections of lenses on to a vertical reference plane, not areas in plane of lode. Therefore, tendency is to be conservative.

ABERFOYLE TIN DEVELOPMENT PARTNERSHIP - CLEVELAND DEVELOPMENT PROJECT

APPENDIX "B" - SHEET 2

HALL'S LODGE, LENS "B" - INDICATED ORE

BLOCK NO.	AVERAGE WIDTH ft.	AREA ON LONG-IT. PROJECTION (sq.ft.)	VOLUME (cu.ft.)	TONNAGE (t)	GRADE - %Sn.		PRODUCT		GRADE ( $\epsilon_1$ ) %Cu.	PRODUCT (t x $\epsilon_1$ ) - Cu.
					from inter-section ( $\epsilon_1$ )	altered to width ( $\epsilon_2$ )	(t x $\epsilon_1$ ) - Sn.	(t x $\epsilon_2$ ) - Sn.		
B 3	7.50	26,800	201,000	18,275	0.65	0.48	11,879	8,772	0.30	5,483
B 4	7.92	26,800	212,256	19,295	1.27	0.76	24,505	14,664	0.32	6,174
B 5	8.89	23,450	208,470	18,950	1.42	1.60	26,909	30,320	0.32	6,064
B 6	8.80	23,200	204,160	18,560	1.65	2.44	30,624	45,286	0.31	5,754
B 7	7.30	22,550	164,615	14,965	0.83	0.72	12,421	10,775	0.24	3,592
B 8	12.50	32,300	403,750	36,705	0.56	0.52	20,555	19,087	0.21	7,708
B11	4.67	16,400	76,588	6,960	0.89	1.05	6,194	7,308	0.30	2,088
B14	13.42	26,800	359,650	32,695	1.29	1.39	42,177	45,446	0.30	9,809
B15	18.43	53,600	987,858	89,804	1.87	2.33	167,933	209,243	0.30	26,941
B16	16.76	46,000	770,960	70,087	1.72	1.95	120,549	136,670	0.30	21,026
B17	15.54	33,400	519,036	47,185	1.06	1.32	50,016	62,284	0.31	14,627
TOTALS				373,481	-	-	513,762	589,855	-	109,266
MEANS				-	1.37 (adopted)	1.58	-	-	0.29	-

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ABERFOYLE TIN DEVELOPMENT PARTNERSHIP -- CLEVELAND DEVELOPMENT PROJECT

APPENDIX "B" - SHEET 3

HALL'S LODE, LENSES "A" and "B" - INFERRED ORE

BLOCK NO.	AVERAGE WIDTH ft.	AREA ON LONG-IT PROJECTION (sq.ft.)	VOLUME (cu.ft)	TONNAGE (t)	GRADE - %Sn.		PRODUCT		GRADE (ε <sub>1</sub> ) %Cu.	PRODUCT (t x ε <sub>1</sub> ) - Cu.
					from inter-section (ε <sub>1</sub> )	altered to width (ε <sub>2</sub> )	(t x ε <sub>1</sub> ) - Sn.	(t x ε <sub>2</sub> ) - Sn.		
A19	15.33	13,600	208,488	18,955	0.81	0.99	15,354	18,765	0.28	5,307
A22	26.29	18,400	483,736	43,975	1.00	1.04	43,975	45,734	0.37	16,271
TOTALS				62,930	-	-	59,329	64,499	-	21,578
MEANS				-	0.94 (adopted)	1.02	-	-	0.34	-

B13	14.79	30,400	449,616	40,875	0.49	0.49	20,029	20,029	0.31	12,671
B18	26.89	27,700	744,853	67,715	0.82	0.75	55,526	50,786	0.29	19,637
B21	24.73	38,000	939,740	85,430	1.37	3.92	117,039	334,886	1.09	93,119
B22	22.10	40,350	891,735	81,066	1.37	4.38	111,060	355,069	1.09	88,362
B23	13.37	21,750	290,797	26,436	0.84	1.39	22,206	36,746	0.21	5,552
TOTALS				301,522	-	-	325,860	797,516	-	219,341
MEANS				-	1.08 (adopted)	2.64	-	-	0.73	-

ABERFOYLE TIN DEVELOPMENT PARTNERSHIP - CLEVELAND DEVELOPMENT PROJECT

APPENDIX "B" - SHEET 4

HALL'S LODE, LENS "C" - INFERRED ORE

BLOCK NO.	AVERAGE WIDTH ft.	AREA OF LONGIT. PROJECTION (sq.ft.)	VOLUME (cu.ft.)	TONNAGE (t)	GRADE - %Sn.		PRODUCT		GRADE ( $g_1$ ) %Cu.	PRODUCT ( $t \times g_1$ ) - Cu.
					from inter-section ( $g_1$ )	altered to width ( $g_2$ )	( $t \times g_1$ ) - Sn.	( $t \times g_2$ ) - Sn.		
C 1	20.33	33,650	684,105	62,190	0.80	0.43	49,752	26,742	0.33	20,523
C 2	11.82	25,650	303,183	27,560	0.68	0.71	18,741	19,568	0.33	9,095
C 3	7.62	23,550	179,451	16,315	0.64	0.42	10,442	6,852	0.43	7,015
C 4	21.00	16,050	337,050	30,640	0.41	0.49	12,562	15,014	0.63	19,303
C 5	16.00	20,550	328,800	29,890	0.74	0.56	22,119	16,738	0.53	15,842
C 6	8.38	17,500	146,650	13,330	0.81	0.60	10,797	7,998	0.26	3,466
C 8	10.80	15,450	166,860	15,170	1.33	1.42	20,176	21,541	0.35	5,310
C 9	12.71	16,900	214,799	19,525	0.86	0.85	16,792	16,596	0.25	4,881
C12	17.50	26,800	469,000	42,635	1.46	1.33	62,247	56,705	0.70	29,845
C13	15.17	24,000	364,080	33,100	1.46	1.54	48,326	50,974	0.70	23,170
C14	7.38	31,600	233,208	21,200	1.01	0.96	21,412	20,352	0.28	5,936
C15	19.25	30,350	584,238	53,110	1.40	1.09	74,354	57,890	0.79	41,957
C16	21.25	28,550	606,687	55,155	1.40	0.99	77,217	54,603	0.79	43,572
C17	16.72	65,350	1,091,983	99,270	0.82	0.85	81,401	84,380	0.70	69,489
C18	12.94	66,500	860,510	78,230	0.94	0.92	73,536	71,972	0.60	46,938
TOTALS				597,320	-	-	599,874	527,925	-	346,342
MEANS				-	1.00 (adopted)	0.88	-	-	0.58	-

ABERFOYLE TIN DEVELOPMENT PARTNERSHIP - CLEVELAND DEVELOPMENT PROJECTAPPENDIX "B" - SHEET 5HALL'S LODE, LENS "D" - INFERRED ORE

BLOCK NO	AVERAGE WIDTH ft.	AREA ON LONGIT. PROJECTION (sq.ft.)	VOLUME (cu.ft.)	TONNAGE (t)	GRADE - %Sn.		PRODUCT		GRADE ( $g_1$ ) %Cu.	PRODUCT ( $t \times g_1$ ) - Cu.
					from inter-section ( $g_1$ )	altered to width ( $g_2$ )	( $t \times g_1$ ) - Sn.	( $t \times g_2$ ) - Sn.		
D 1	10.35	80,850	836,798	76,075	1.01	1.07	76,836	81,400	0.48	36,516
D 2	8.80	82,450	725,560	65,960	0.61	0.62	40,236	40,895	0.46	30,342
D 3	6.56	97,950	642,552	58,415	0.61	0.74	35,633	43,227	0.51	29,792
TOTALS				200,450	-	-	152,705	165,522	-	96,650
MEANS				-	0.76 (adopted)	0.83	-	-	0.48	-

HALL'S LODE, LENS "E" - INFERRED ORE

E 1	18.93	57,650	1,091,315	99,210	0.67 (adopted)	0.92	66,471	91,273	0.30	29,763
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APPENDIX "B" - SHEET 6

HENRY'S LODE - INDICATED ORE

BLOCK NO.	AVERAGE WIDTH ft.	AREA ON LONGIT PROJECTION (sq.ft.)	VOLUME (cu.ft.)	TONNAGE (t)	GRADE - %Sn		PRODUCT		GRADE (g <sub>1</sub> ) %Cu	PRODUCT (t x g <sub>1</sub> ) - Cu.
					from inter-section (g <sub>1</sub> )	altered to width (g <sub>2</sub> )	(t x g <sub>1</sub> ) - Sn.	(t x g <sub>2</sub> ) - Sn.		
H 1	17.82	25,650	457,083	41,555	0.90	0.86	37,400	35,737	0.34	14,129
H 2	10.17	24,000	244,080	22,190	1.72	0.68	38,167	15,089	0.69	15,311
H 3	7.90	26,750	211,325	19,210	2.36	2.29	45,336	43,991	0.43	8,260
TOTALS				82,955	-	-	120,903	94,817	-	37,700
MEANS				-	1.46 (adopted)	1.14	-	-	0.45	-

HENRY'S LODE - INFERRED ORE

H 4	11.86	17,700	209,922	19,085	2.25	2.28	42,941	43,514	0.30	5,726
H 5	22.20	12,750	283,050	25,730	0.78	1.62	20,069	41,683	0.30	7,719
H 6	12.83	15,700	201,431	18,310	0.91	1.70	16,662	31,127	0.35	6,409
H 7	7.67	44,400	340,548	30,960	1.74	1.44	53,870	44,582	0.60	18,576
TOTALS				94,085	-	-	133,542	160,906	-	38,430
MEANS				-	1.42 (adopted)	1.71	-	-	0.41	-

APPENDIX "C"

Section 1

DETAILS OF ORE RESERVE

BLOCK CALCULATIONS - LENS "A"

Sheets 1 - 8

K.R. Glasson and R. Cox, 4-3-66.

## ABERFOYLE TIN DEVELOPMENT PARTNERSHIP - CLEVELAND DEVELOPMENT PROJECT

## CLEVELAND MINE

Appendix C, Section 1, Sheet 1.

## ORE RESERVES CALCULATION SHEET

BLOCK NO.	INTERSECTION	GRADE **		TRUE WIDTH (ft.)	PRODUCT W x G		(g <sub>1</sub> ) AVERAGE GRADE	
		%Sn.	%Cu.		Sn.	Cu.	%Sn.	%Cu.
A 1	DDH C93	0.60	0.24	20	12.00	4.80		
	DDH C87	0.87	0.49	18	15.66	8.82		
	TOTALS MEANS	-	-	38	27.66	13.62	0.73	0.36
	Av. width + <sup>+</sup> of block = 15.25 ft. (Grade g <sub>2</sub> = 0.91%Sn.)							
A 2	DDH C87	0.87	0.49	18	15.66	8.82		
	DDH C92	0.49	0.22	10	4.90	2.20		
	DDH C57	0.77	0.14	27	20.79	3.78		
	1300'RL. cross-cut "K"	1.17	0.41	29	33.93	11.89		
	DDH C30	0.80	0.30*	30	24.00	9.00		
	DDH C24	0.96	0.30*	20	19.20	6.00		
	TOTALS MEANS	-	-	134	118.48	41.69	0.88	0.31
	Av. width of block = 18.57 ft. (Grade g <sub>2</sub> = 1.06%Sn.)							
A 3	DDH C30	0.80	0.30*	30	24.00	9.00		
	1300'RL. cross-cut "K"	1.17	0.41	29	33.93	11.89		
	DDH C24	0.96	0.30*	20	19.20	6.00		
	DDH C54	0.84	0.26	32	26.88	8.32		
	1300'RL. cross-cut "L"	0.60	0.36	12	7.20	4.32		
	TOTALS MEANS	-	-	123	111.21	39.53	0.90	0.32
	Av. width of block = 17.78 ft. (Grade g <sub>2</sub> = 1.25%Sn.)							

\* Refers to assumed copper grade of 0.30%Cu. where copper assays are not available - throughout Appendix "C".

+ Average width taken from interpretation plans + sections (March 1966) - throughout Appendix "C".

\*\* Grade adopted throughout Ore Reserve Estimates.

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ABERFOYLE TIN DEVELOPMENT PARTNERSHIP \* CLEVELAND DEVELOPMENT PROJECT

CLEVELAND MINE

Appendix C, Section 1, Sheet 2.

ORE RESERVES CALCULATION SHEET

BLOCK NO	INTERSECTION	GRADE **		TRUE WIDTH (ft.)	PRODUCT W x G		(g <sub>1</sub> ) AVERAGE GRADE	
		%Sn.	%Cu.		Sn.	Cu.	%Sn.	%Cu.
A 4	1300'RL. cross-cut "L"	0.60	0.36	12	7.20	4.32		
	DDH C51	1.32	0.35	28	36.96	9.80		
	DDH C18	1.13	0.30*	28	31.64	8.40		
	1300'RL. cross-cut "N"	1.21	0.34	33	39.93	11.22		
	TOTALS MEANS	-	-	101	115.73	33.74	1.15	0.33
Av. width of block = 23.17 ft. (Grade g <sub>2</sub> = 1.25%Sn.)								
A 5	1300'RL. cross-cut "N"	1.21	0.34	33	39.93	11.22		
	DDH C50	0.53	0.25	15	7.95	3.75		
	DDH C10	1.22	0.30*	24	29.28	7.20		
	1300'RL. cross-cut "P"	1.01	0.44	34	34.34	14.96		
	DDH C 9	0.68	0.30*	12	8.16	3.60		
TOTALS MEANS	-	-	118	119.66	40.73	1.01	0.35	
Av. width of block = 30.00 ft. (Grade g <sub>2</sub> = 0.79%Sn.)								
A 6	1300'RL. cross-cut "P"	1.01	0.44	34	34.34	14.96		
	DDH C 9	0.68	0.30*	12	8.16	3.60		
	DDH C25	0.96	0.30*	34	32.64	10.20		
	DDH C48	0.76	0.43	34	25.84	14.62		
	DDH C23	0.67	0.30*	29	19.43	8.70		
	1300'RL. cross-cut "Qa"	0.95	0.60	25	23.75	15.00		
	DDH C37	1.23	0.30*	42	51.66	12.60		
	TOTALS MEANS	-	-	210	195.82	79.68	0.93	0.38
Av. width of block = 26.58 ft. (Grade g <sub>2</sub> = 1.05%Sn.)								

## CLEVELAND MINE

## ORE RESERVES CALCULATION SHEET

BLOCK NO.	INTERSECTION	GRADE **		TRUE WIDTH (ft.)	PRODUCT W x G		(g <sub>1</sub> ) AVERAGE GRADE	
		%Sn.	%Cu.		Sn.	Cu.	%Sn	%Cu.
A 7	1300'RL. cross-cut "Qa"	0.95	0.60	25	23.75	15.00		
	DDH C37	1.23	0.30*	42	51.66	12.60		
	DDH C47	1.05	0.43	44	46.20	18.92		
	1300'RL. cross-cut "R"	0.88	0.26	46	40.48	11.96		
	DDH C38	0.67	0.30*	45	30.15	13.50		
	DDH C36	0.67	0.30*	12	8.04	3.60		
		TOTALS	-	-	214	200.28	75.58	
	MEANS	0.94	0.35	35.67	-	-	0.94	0.35
	Av. width of block = 30.75 ft. (Grade g <sub>2</sub> = 1.09%Sn.)							
A 8	1300'RL. cross-cut "R"	0.88	0.26	46	40.48	11.96		
	DDH C38	0.67	0.30*	45	30.15	13.50		
	DDH C53	0.81	0.21	33	26.73	6.93		
	1300'RL. cross-cut "T"	0.71	0.23	40	28.40	9.20		
	DDH C43	0.81	0.30*	33	26.73	9.90		
	DDH C17	0.69	0.30*	27	18.63	8.10		
	DDH C13	0.59	0.30*	40	23.60	12.00		
	TOTALS	-	-	264	194.72	71.59		
	MEANS	0.74	0.27	37.71	-	-	0.74	0.27
	Av. width of block = 35.67 ft. (Grade g <sub>2</sub> = 0.78%Sn.)							
A 9	DDH C13	0.59	0.30*	40	23.60	12.00		
	1300'RL. cross-cut "T"	0.71	0.23	40	28.40	9.20		
	DDH C43	0.81	0.30*	33	26.73	9.90		
	DDH C55	1.31	0.16	21	27.51	3.36		
	1300'RL. cross-cut "V"	0.33	0.17	24	7.92	4.08		
	DDH C33	0.47	0.29	14	6.58	4.06		
	TOTALS	-	-	172	120.74	42.60		
	MEANS	0.70	0.25	28.67	-	-	0.70	0.25
	Av. width of block = 31.00 ft. (Grade g <sub>2</sub> = 0.65%Sn.)							

## CLEVELAND MINE

Appendix C, Section 1, Sheet 4.

## ORE RESERVES CALCULATION SHEET

BLOCK NO.	INTERSECTION	GRADE **		TRUE WIDTH (ft.)	PRODUCT W x G		(g <sub>1</sub> ) AVERAGE GRADE	
		%Sn.	%Cu.		Sn.	Cu.	%Sn.	%Cu.
A10	1300'RL. cross-cut "V"	0.33	0.17	24	7.92	4.08		
	DDH C33	0.47	0.29	14	6.58	4.06		
	TOTALS MEANS	-	-	38	14.50	8.14	0.38	0.21
	Av. width of block = 19.00 ft. (Grade g <sub>2</sub> = 0.38%Sn.)							
A11	DDH C93	0.60	0.24	20	12.00	4.80		
	DDH C87	0.87	0.49	18	15.66	8.82		
	DDH C92	0.49	0.22	10	4.90	2.20		
	DDH C57	0.77	0.14	27	20.79	3.78		
	DDH C30	0.80	0.30*	30	24.00	9.00		
	TOTALS MEANS	-	-	105	77.35	28.60	0.74	0.27
	Av. width of block = 17.29 ft. (Grade g <sub>2</sub> = 0.90%Sn.)							
A12	DDH C30	0.80	0.30*	30	24.00	9.00		
	DDH C54	0.84	0.26	32	26.88	8.32		
	1300'RL. cross-cut "L"	0.60	0.36	12	7.20	4.32		
	TOTALS MEANS	-	-	74	58.08	21.64	0.78	0.29
	Av. width of block = 22.00 ft. (Grade g <sub>2</sub> = 0.87%Sn.)							
A13	1300'RL. cross-cut "L"	0.60	0.36	12	7.20	4.32		
	DDH C51	1.32	0.35	28	36.96	9.80		
	1300'RL. cross-cut "N"	1.21	0.34	33	33.93	11.22		
	TOTALS MEANS	-	-	73	78.09	25.34	1.07	0.35
	Av. width of block = 26.50 ft. (Grade g <sub>2</sub> = 0.98%Sn.)							

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ABERFOYLE TIN DEVELOPMENT PARTNERSHIP - CLEVELAND DEVELOPMENT PROJECT

CLEVELAND MINE

Appendix C, Section 1, Sheet 5.

ORE RESERVES CALCULATION SHEET

BLOCK NO	INTERSECTION	GRADE **		TRUE WIDTH (ft.)	PRODUCT W x G		(g <sub>1</sub> ) AVERAGE GRADE	
		%Sn.	%Cu.		Sn.	Cu.	%Sn.	%Cu.
A14	1300'RL. cross-out "N"	1.21	0.34	33	33.93	11.22		
	DDH C10	1.22	0.30*	24	29.28	7.20		
	Hall's Lower Adit cross-cut	0.43	0.22	10	4.30	2.20		
	TOTALS MEANS	-	-	67	67.51	20.62	1.01	0.31
	Av. width of block = 26.40 ft. (Grade g <sub>2</sub> = 0.85%Sn.)							
A15	Hall's Lower Adit cross-cut	0.43	0.22	10	4.30	2.20		
	DDH C23	0.67	0.30*	29	19.43	8.70		
	DDH C36	0.67	0.30*	12	8.04	3.60		
	TOTALS MEANS	-	-	51	31.77	14.50	0.62	0.28
	Av. width of block = 18.60 ft. (Grade g <sub>2</sub> = 0.57%Sn.)							
A16	DDH C36	0.67	0.30*	12	8.04	3.60		
	DDH C47	1.05	0.43	44	46.20	18.92		
	DDH C17	0.69	0.30*	27	18.63	8.10		
	TOTALS MEANS	-	-	83	72.87	30.62	0.88	0.37
	Av. width of block = 19.60 ft. (Grade g <sub>2</sub> = 1.24%Sn.)							
A17	DDH C17	0.69	0.30*	27	18.63	8.10		
	DDH C13	0.59	0.30*	40	23.60	12.00		
	TOTALS MEANS	-	-	67	42.23	20.10	0.63	0.30
	Av. width of block = 27.50 ft (Grade g <sub>2</sub> = 0.77%Sn.)							

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## CLEVELAND MINE

Appendix C, Section 1, Sheet 6.

## ORE RESERVES CALCULATION SHEET

BLOCK NO.	INTERSECTION	GRADE **		TRUE WIDTH (ft.)	PRODUCT W x G		(g <sub>1</sub> ) AVERAGE GRADE	
		%Sn.	%Cu.		Sn.	Cu.	%Sn.	%Cu.
A18	DDH C13	0.59	0.30*	40	23.60	12.00		
	DDH C55	1.31	0.16	21	27.51	3.36		
	1300'RL. cross-out "V"	0.33	0.17	24	7.92	4.08		
	TOTALS	-	-	85	59.03	19.44		
	MEANS	0.69	0.23	28.33	-	-	0.69	0.23
	Av. width of block = 28.25 ft. (Grade g <sub>2</sub> = 0.69%Sn.)							
A19	DDH C87	0.87	0.49	18	15.66	8.82		
	DDH C92	0.49	0.22	10	4.90	2.20		
	DDH C57	0.77	0.14	27	20.79	3.78		
	DDH C24	0.96	0.30*	20	19.20	6.00		
	TOTALS	-	-	75	60.55	20.80		
	MEANS	0.81	0.28	18.75	-	-	0.81	0.28
	Av. width of block = 15.33 ft. (Grade g <sub>2</sub> = 0.99%Sn.)							
A20	DDH C24	0.96	0.30*	20	19.20	6.00		
	DDH C54	0.84	0.26	32	26.88	8.32		
	1300'RL. cross-out "L"	0.60	0.36	12	7.20	4.32		
	DDH C31	1.44	0.30*	15	21.60	4.50		
	TOTALS	-	-	79	74.88	23.14		
	MEANS	0.95	0.29	19.75	-	-	0.95	0.29
	Av. width of block = 11.33 ft. (Grade g <sub>2</sub> = 1.66%Sn.)							
A21	DDH C31	1.44	0.30*	15	21.60	4.50		
	1300'RL. cross-out "L"	0.60	0.36	12	7.20	4.32		
	DDH C18	1.13	0.30*	28	31.64	8.40		
	1300'RL. cross-out "N"	1.21	0.34	33	39.93	11.22		
	TOTALS	-	-	88	100.37	28.44		
	MEANS	1.14	0.32	22.00	-	-	1.14	0.32
	Av. width of block = 15.33 ft. (Grade g <sub>2</sub> = 1.64%Sn.)							

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CLEVELAND MINE

Appendix C, Section 1, Sheet 7.

ORE RESERVES CALCULATION SHEET

BLOCK NO.	INTERSECTION	GRADE **		TRUE WIDTH (ft.)	PRODUCT W x G		(g <sub>1</sub> ) AVERAGE GRADE	
		%Sn.	%Cu.		Sn.	Cu.	%Sn.	%Cu.
A22	1300'RL. cross-cut "N"	1.21	0.34	33	39.93	11.22		
	DDH C50	0.53	0.25	15	7.95	3.75		
	1300'RL. cross-cut "P"	1.01	0.44	34	34.34	14.96		
	TOTALS MEANS	-	-	82	82.22	29.93	1.00	0.37
Av. width of block = 26.29 ft. (Grade g <sub>2</sub> = 1.04%Sn.)								
A23	1300'RL. cross-cut "P"	1.01	0.44	34	34.34	14.96		
	DDH C25	0.96	0.30*	34	32.64	10.20		
	DDH C37	1.23	0.30*	42	51.66	12.60		
	DDH C39	1.65	0.30*	10	16.50	3.00		
TOTALS MEANS		-	-	120	135.14	40.76	1.13	0.34
Av. width of block = 24.11 ft. (Grade g <sub>2</sub> = 1.41%Sn.)								
A24	DDH C39	1.65	0.30*	10	16.50	3.00		
	DDH C37	1.23	0.30*	42	51.66	12.60		
	DDH C38	0.67	0.30*	45	30.15	13.50		
	TOTALS MEANS	-	-	97	98.31	29.10	1.01	0.30
Av. width of block = 28.54 ft. (Grade g <sub>2</sub> = 1.14%Sn.)								
A25	DDH C38	0.67	0.30*	45	30.15	13.50		
	DDH C43	0.81	0.30*	33	26.73	9.90		
	DDH C42	1.23	0.30*	6	7.38	1.80		
	TOTALS MEANS	-	-	84	64.26	25.20	0.77	0.30
Av. width of block = 32.44 ft. (Grade g <sub>2</sub> = 0.66%Sn.)								

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ABERFOYLE TIN DEVELOPMENT PARTNERSHIP - CLEVELAND DEVELOPMENT PROJECT

CLEVELAND MINE

Appendix C, Section 1, Sheet 8.

ORE RESERVES CALCULATION SHEET

BLOCK NO	INTERSECTION	GRADE **		TRUE WIDTH (ft.)	PRODUCT W x G		(g <sub>1</sub> ) AVERAGE GRADE	
		%Sn.	%Cu.		Sn.	Cu.	%Sn.	%Cu.
A26	DDH C42	1.23	0.30*	6	7.38	1.80		
	DDH C43	0.81	0.30*	33	26.73	9.90		
	DDH C33	0.47	0.29	14	6.58	4.06		
	DDH C40	1.27	0.71	6	7.62	4.26		
	TOTALS	-	-	59	48.31	20.02		
	MEANS	0.82	0.34	14.75	-	-	0.82	0.34
	Av. width of block = 19.62 ft. (Grade g <sub>2</sub> = 0.62%Sn.)							

APPENDIX "C"Section 2DETAILS OF ORE RESERVEBLOCK CALCULATIONS - LENS "B"

Sheets 1 - 6

K.R. Glasson and R. Cox, 4-3-66.

## CLEVELAND MINE

Appendix C, Section 2, Sheet 1.

## ORE RESERVES CALCULATION SHEET

BLOCK NO	INTERSECTION	GRADE *		TRUE WIDTH (ft.)	PRODUCT W x G		(E <sub>1</sub> ) AVERAGE GRADE	
		%Sn.	%Cu		Sn.	Cu.	%Sn.	%Cu.
B 1	1300'RL. cross-cut "K"	0.41	0.13	12	4.92	1.56		
	DDH C30	Trace	0.45	1	-	0.45		
	TOTALS MEANS	-	-	13	-	2.01	0.38	0.15
	Av. width of block = 8.00 ft (Grade g <sub>2</sub> = 0.31%Sn.) (Omitted from Estimate)							
B 2	1300'RL. cross-cut "K"	0.41	0.13	12	4.92	1.56		
	DDH C54	0.46	0.35	5	2.30	1.75		
	1300'RL. cross-cut "L"	0.33	0.29	6	1.98	1.74		
	DDH C30	Trace	0.45	1	-	0.45		
	TOTALS MEANS	-	-	24	9.20	5.50	0.38	0.23
	Av. width of block = 7.43 ft. (Grade g <sub>2</sub> = 0.31%Sn.) (Omitted from Estimate)							
B 3	1300'RL. cross-cut "L"	0.33	0.29	6	1.98	1.74		
	DDH C64	1.03	0.32	5	5.15	1.60		
	TOTALS MEANS	-	-	11	7.13	3.34	0.65	0.30
	Av. width of block = 7.50 ft. (Grade g <sub>2</sub> = 0.48%Sn.)							
B 4	DDH C64	1.03	0.32	5	5.15	1.60		
	DDH C62	1.02	0.35	5	5.10	1.75		
	DDH C10	2.01	0.30*	5	10.05	1.50		
	DDH C25	0.95	0.30*	4	3.80	1.20		
	TOTALS MEANS	-	-	19	24.10	6.05	1.27	0.32
	Av. width of block = 7.92 ft. (Grade g <sub>2</sub> = 0.76%Sn.)							

\* Grade adopted throughout Ore Reserves Estimates.

## CLEVELAND MINE

Appendix C, Section 2, Sheet 2.

## ORE RESERVES CALCULATION SHEET

BLOCK NO	INTERSECTION	GRADE *		TRUE WIDTH (ft)	PRODUCT W x G		(g <sub>1</sub> ) AVERAGE GRADE	
		%Sn.	%Cu		Sn.	Cu.	%Sn.	%Cu.
B 5	DDH C23	0.39	0.30*	6	2.34	1.80		
	DDH C25	0.95	0.30*	4	3.80	1.20		
	DDH C62	1.02	0.35	5	5.10	1.75		
	1300'RL. cross-cut "Qa"	0.34	0.41	5	1.70	2.05		
	DDH C39	1.94	0.30*	30	58.20	9.00		
	TOTALS	-	-	50	71.14	15.80		
	MEANS	1.42	0.32	10.00	-	-	1.42	0.32
	Av. width of block = 8.89 ft. (Grade g <sub>2</sub> = 1.60%Sn.)							
B 6	1300'RL. cross-cut "Qa"	0.34	0.41	5	1.70	2.05		
	DDH C67	1.11	0.25	4	4.44	1.00		
	DDH C39	1.94	0.30*	30	58.20	9.00		
	TOTALS	-	-	39	64.34	12.05		
	MEANS	1.65	0.31	13.00	-	-	1.65	0.31
	Av. width of block = 8.80 ft. (Grade g <sub>2</sub> = 2.44%Sn.)							
B 7	DDH C67	1.11	0.25	4	4.44	1.00		
	DDH C76	0.99	0.15	6	5.94	0.90		
	DDH C43	0.60	0.30*	9	5.40	2.70		
	TOTALS	-	-	19	15.78	4.60		
	MEANS	0.83	0.24	6.33	-	-	0.83	0.24
	Av. width of block = 7.30 ft. (Grade g <sub>2</sub> = 0.72%Sn.)							
B 8	DDH C76	0.99	0.15	6	5.94	0.90		
	DDH C43	0.60	0.30*	9	5.40	2.70		
	DDH C55	1.17	0.11	6	7.02	0.66		
	1300'RL. cross-cut "V"	0.33	0.17	24	7.92	4.08		
	DDH C33	0.47	0.29	13	6.11	3.77		
	TOTALS	-	-	58	32.39	12.11		
	MEANS	0.56	0.21	11.60	-	-	0.56	0.21
	Av. width of block = 12.50 ft. (Grade g <sub>2</sub> = 0.52%Sn.)							

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CLEVELAND MINE

Appendix C, Section 2, Sheet 3.

ORE RESERVES CALCULATION SHEET

BLOCK NO.	INTERSECTION	GRADE *		TRUE WIDTH (ft.)	PRODUCT W x G		(g <sub>1</sub> ) AVERAGE GRADE	
		%Sn	%Cu.		Sn.	Cu	%Sn.	%Cu.
B 9	1300'RL. cross-cut "V"	0.33	0.17	24	7.92	4.08		
	DDH C33	0.47	0.29	13	6.11	3.77		
	DDH C73	0.44	0.25	21	9.24	5.25		
	DDH C74	0.13	0.08	26	3.38	2.08		
	DDH C45	0.29	0.10	22	6.38	2.20		
	DDH C44	0.26	0.23	24	6.24	5.52		
	TOTALS MEANS		-	-	130	39.27	22.90	0.30
Av. width of block = 23.44 ft. (Grade g <sub>2</sub> = 0.28%Sn.) (Omitted from Estimate)								
B10	DDH C30	Trace	0.45	1	-	0.45		
	DDH C54	0.46	0.35	5	2.30	1.75		
	1300'RL. cross-cut "L"	0.33	0.29	6	1.98	1.74		
	TOTALS MEANS		-	-	12	4.28	3.94	0.36
Av. width of block = 6.20 ft. (Grade g <sub>2</sub> = 0.23%Sn.) (Omitted from Estimate)								
B11	1300'RL cross-cut "L"	0.33	0.29	6	1.98	1.74		
	DDH C64	1.03	0.32	5	5.15	1.60		
	DDH C10	2.01	0.30*	5	10.05	1.50		
	DDH C23	0.39	0.30*	6	2.34	1.80		
	TOTALS MEANS		-	-	22	19.52	6.64	0.89
Av. width of block = 4.67 ft. (Grade g <sub>2</sub> = 1.05%Sn.)								
B12	DDH C27	0.38	0.30*	26	9.88	7.80		
	1300'RL. cross-cut "K"	0.41	0.13	12	4.92	1.56		
	TOTALS MEANS		-	-	38	14.80	9.36	0.39
Av. width of block = 14.29 ft. (Grade g <sub>2</sub> = 0.52%Sn.) (Omitted from Estimate)								

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ABERFOYLE TIN DEVELOPMENT PARTNERSHIP - CLEVELAND DEVELOPMENT PROJECT

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CLEVELAND MINE

Appendix C, Section 2, Sheet 4.

ORE RESERVES CALCULATION SHEET

BLOCK NO.	INTERSECTION	GRADE *		TRUE WIDTH (ft.)	PRODUCT W x G		(g <sub>1</sub> ) AVERAGE GRADE	
		%Sn.	%Cu.		Sn.	Cu.	%Sn.	%Cu.
B13	DDH C27	0.38	0.30*	26	9.88	7.80		
	DDH C54	0.46	0.35	5	2.30	1.75		
	DDH C31	0.73	0.30*	13	9.49	3.90		
	TOTALS MEANS	-	-	44	21.67	13.45		
	Av. width of block = 14.79 ft. (Grade g <sub>2</sub> = 0.49%Sn.)	0.49	0.31	14.67	-	-	0.49	0.31
B14	DDH C31	0.73	0.30*	13	9.49	3.90		
	DDH C35	1.74	0.30*	16	27.84	4.80		
	TOTALS MEANS	-	-	29	37.33	8.70		
		Av. width of block = 13.42 ft. (Grade g <sub>2</sub> = 1.39%Sn.)	1.29	0.30	14.50	-	-	1.29
B15	DDH C35	1.74	0.30*	16	27.84	4.80		
	DDH C39	1.94	0.30*	30	58.20	9.00		
	TOTALS MEANS	-	-	46	86.04	13.80		
		Av. width of block = 18.43 ft. (Grade g <sub>2</sub> = 2.33%Sn.)	1.87	0.30	23.00	-	-	1.87
B16	DDH C39	1.94	0.30	30	58.20	9.00		
	DDH C42	0.89	0.30*	8	7.12	2.40		
	TOTALS MEANS	-	-	38	65.32	11.40		
		Av. width of block = 16.76 ft. (Grade g <sub>2</sub> = 1.95%Sn.)	1.72	0.30	19.00	-	-	1.72

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## CLEVELAND MINE

Appendix C, Section 2, Sheet 5.

## ORE RESERVES CALCULATION SHEET

BLOCK NO	INTERSECTION	GRADE *		TRUE WIDTH (ft)	PRODUCT W x G		(E <sub>1</sub> ) AVERAGE GRADE	
		%Sn.	%Cu.		Sn.	Cu.	%Sn.	%Cu.
B17	DDH C42	0.89	0.30 <sup>h</sup>	8	7.12	2.40		
	DDH C40	1.21	0.37	33	39.93	12.21		
	DDH C96	0.84	0.21	17	14.28	3.57		
	TOTALS MEANS	-	-	58	61.33	18.18	1.06	0.31
Av. width of block = 15.54 ft. (Grade g <sub>2</sub> = 1.32%Sn.)								
B18	DDH C40	1.21	0.37	33	39.93	12.21		
	DDH C96	0.84	0.21	17	14.28	3.57		
	DDH C44	0.26	0.23	24	6.24	5.52		
	TOTALS MEANS	-	-	74	60.45	21.30	0.82	0.29
Av. width of block = 26.89 ft. (Grade g <sub>2</sub> = 0.75%Sn.)								
B19	DDH C79	0.02	0.17	25	0.50	4.25		
	DDH C27	0.38	0.30*	26	9.88	7.80		
	TOTALS MEANS	-	-	51	10.38	12.05	0.20	0.24
Av. width of block = 19.13 ft. (Grade g <sub>2</sub> = 0.27%Sn.) (Omitted from Estimates)								
B20	DDH C79	0.02	0.17	25	0.50	4.25		
	DDH C27	0.38	0.30 <sup>h</sup>	26	9.88	7.80		
	DDH C31	0.73	0.30 <sup>h</sup>	13	9.49	3.90		
	TOTALS MEANS	-	-	64	19.87	15.95	0.31	0.25
Av. width of block = 20.75 ft. (Grade g <sub>2</sub> = 0.32%Sn.) (Omitted from Estimates)								

## CLEVELAND MINE

Appendix C, Section 2, Sheet 6.

ORE RESERVES CALCULATION SHEET

BLOCK NO.	INTERSECTION	GRADE *		TRUE WIDTH (ft.)	PRODUCT W x G		(E <sub>1</sub> ) AVERAGE GRADE	
		%Sn.	%Cu.		Sn.	Cu.	%Sn.	%Cu.
B21	DDH C88  Av. width of block = 24.73 ft. (Grade g <sub>2</sub> = 3.92%Sn.)	1.37	1.09	39	53.43	42.51	1.37	1.09
B22	DDH C88  Av. width of block = 22.10 ft. (Grade g <sub>2</sub> = 4.38%Sn.)	1.37	1.09	39	53.43	42.51	1.37	1.09
B23	DDH C96  Av. width of block = 13.37 ft. (Grade g <sub>2</sub> = 1.39%Sn.)	0.84	0.21	17	14.28	3.57	0.84	0.21

APPENDIX "C"

Section 3

DETAILS OF ORE RESERVE

BLOCK CALCULATIONS - LENS "C"

Sheets 1 - 5

K.R. Glasson and R. Cox, 4-3-66.

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## CLEVELAND MINE

Appendix C, Section 3, Sheet 1.

## ORE RESERVES CALCULATION SHEET

BLOCK NO	INTERSECTION	GRADE *		TRUE WIDTH (ft.)	PRODUCT W x G		(g <sub>1</sub> ) AVERAGE GRADE	
		%Sn.	%Cu		Sn.	Cu.	%Sn.	%Cu.
C 1	DDH C92	1.75	0.68	4	7.00	2.72		
	DDH C57	0.44	Trace	2	0.88	-		
	DDH C27	0.69	0.30*	27	18.63	8.10		
	TOTALS	-	-	33	26.51	10.82		
	MEANS	0.80	0.33	11.00	-	-	0.80	0.33
	Av. width of block = 20.33 ft. (Grade g <sub>2</sub> = 0.43%Sn.)							
C 2	DDH C27	0.69	0.30*	27	18.63	8.10		
	DDH C31	0.31	0.30*	5	1.55	1.50		
	DDH C65	0.96	0.55	5	4.80	2.75		
	TOTALS	-	-	37	24.98	12.35		
	MEANS	0.68	0.33	12.33	-	-	0.68	0.33
	Av. width of block = 11.82 ft. (Grade g <sub>2</sub> = 0.71%Sn.)							
C 3	DDH C65	0.96	0.55	5	4.80	2.75		
	DDH C31	0.31	0.30*	5	1.55	1.50		
	TOTALS	-	-	10	6.35	4.25		
	MEANS	0.64	0.43	5.00	-	-	0.64	0.43
	Av. width of block = 7.62 ft. (Grade g <sub>2</sub> = 0.42%Sn.)							
C 4	DDH C62	0.41	0.63	25	10.25	15.75	0.41	0.63
	Av. width of block = 21.00 ft. (Grade g <sub>2</sub> = 0.49%Sn.)							

\* Grade adopted throughout Ore Reserves Calculations

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ABERFOYLE TIN DEVELOPMENT PARTNERSHIP - CLEVELAND DEVELOPMENT PROJECT

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CLEVELAND MINE

Appendix C, Section 3, Sheet 2.

ORE RESERVES CALCULATION SHEET

BLOCK NO.	INTERSECTION	GRADE *		TRUE WIDTH (ft)	PRODUCT W x G		(g <sub>1</sub> ) AVERAGE GRADE	
		%Sn.	%Cu.		Sn.	Cu.	%Sn.	%Cu.
C 5	DDH C62	0.41	0.63	25	10.25	15.75		
	DDH C39	1.60	0.30*	10	16.00	3.00		
	1300'RL. cross-cut "Qa"	0.22	0.18	1	0.22	0.18		
	TOTALS MEANS	-	-	36	26.47	18.93	0.74	0.53
	Av width of block = 16.00 ft. (Grade g <sub>2</sub> = 0.56%Sn.)							
C 6	1300'RL. cross-cut "Qa"	0.22	0.18	1	0.22	0.18		
	DDH C39	1.60	0.30*	10	16.00	3.00		
	DDH C67	0.18	0.23	11	1.98	2.53		
	DDH C38	0.69	0.30*	3	2.07	0.90		
	TOTALS MEANS	-	-	25	20.27	6.61	0.81	0.26
	Av. width of block = 8.38 ft. (Grade g <sub>2</sub> = 0.60%Sn.)							
C 7	DDH C38	0.69	0.30*	3	2.07	0.90		
	DDH C67	0.18	0.23	11	1.98	2.53		
	TOTALS MEANS	-	-	14	4.05	3.43	0.29	0.25
	Av. width of block = 9.83 ft. (Grade g <sub>2</sub> = 0.21%Sn.) (Omitted from Estimate)							
C 8	DDH C34	1.24	0.32	9	11.16	2.88		
	1300'RL. cross-cut "V"	1.39	0.37	14	19.46	5.18		
	TOTALS MEANS	-	-	23	30.62	8.06	1.33	0.35
	Av. width of block = 10.80 ft. (Grade g <sub>2</sub> = 1.42%Sn.)							

## CLEVELAND MINE

Appendix C, Section 3, Sheet 3.

## ORE RESERVES CALCULATION SHEET

BLOCK NO.	INTERSECTION	GRADE *		TRUE WIDTH (ft.)	PRODUCT W x G		(E <sub>1</sub> ) AVERAGE GRADE	
		%Sn.	%Cu.		Sn.	Cu.	%Sn.	%Cu.
C 9	1300 ft. cross-cut "v"	1.39	0.37	14	19.46	5.18		
	DDH C34	1.24	0.32	9	11.16	2.88		
	DDH C72	0.60	0.24	14	8.40	3.36		
	DDH C44	0.32	0.08	13	4.16	1.04		
	TOTALS MEANS	- 0.86	- 0.25	50 12.50	43.18 -	12.46 -	0.86	0.25
Av. width of block = 12.71 ft. (Grade g <sub>2</sub> = 0.85%Sn.)								
C10	DDH C79	0.13	0.25	53	6.89	13.25		
	DDH C27	0.69	0.30*	27	18.63	8.10		
	TOTALS MEANS	- 0.32	- 0.27	80 40.00	25.52 -	21.35 -	0.32	0.27
Av. width of block = 26.86 ft. (Grade g <sub>2</sub> = 0.48%Sn.) (Omitted from Estimates)								
C11	DDH C79	0.13	0.25	53	6.89	13.25		
	DDH C31	0.31	0.30*	5	1.55	1.50		
	DDH C27	0.69	0.30*	27	18.63	8.10		
	TOTALS MEANS	- 0.32	- 0.27	85 28.33	27.07 -	22.85 -	0.32	0.27
Av. width of block = 27.00 ft. (Grade g <sub>2</sub> = 0.34%Sn.) (Omitted from Estimate)								
C12	DDH C88	1.40	0.88	22	30.80	19.36		
	DDH C39	1.60	0.30*	10	16.00	3.00		
	TOTALS MEANS	- 1.46	- 0.70	32 16.00	46.80 -	22.36 -	1.46	0.70
Av. width of block = 17.50 ft. (Grade g <sub>2</sub> = 1.33%Sn.)								

## CLEVELAND MINE

Appendix C, Section 3, Sheet 4.

## ORE RESERVES CALCULATION SHEET

BLOCK NO.	INTERSECTION	GRADE *		TRUE WIDTH (ft)	PRODUCT W x G		(g <sub>1</sub> ) AVERAGE GRADE	
		%Sn.	%Cu.		Sn.	Cu.	%Sn.	%Cu.
C13	DDH C88	1.40	0.88	22	30.80	19.36		
	DDH C39	1.60	0.30*	10	16.00	3.00		
	TOTALS	-	-	32	46.80	22.36		
	MEANS	1.46	0.70	16.00	-	-		
Av. width of block = 15.17 ft. (Grade g <sub>2</sub> = 1.54%Sn.)								
C14	DDH C96	0.61	0.20	5	3.05	1.00		
	DDH C34	1.24	0.32	9	11.16	2.88		
	TOTALS	-	-	14	14.21	3.88		
	MEANS	1.01	0.28	7.00	-	-	1.01	0.28
Av. width of block = 7.38 ft. (Grade g <sub>2</sub> = 0.96%Sn.)								
C15	DDH C88	1.40	0.88	22	30.80	19.36		
	DDH C90	1.40	0.55	8	11.20	4.40		
	TOTALS	-	-	30	42.00	23.76		
	MEANS	1.40	0.79	15.00	-	-	1.40	0.79
Av. width of block = 19.25 ft. (Grade g <sub>2</sub> = 1.09%Sn.)								
C16	DDH C88	1.40	0.88	22	30.80	19.36		
	DDH C90	1.40	0.55	8	11.20	4.40		
	TOTALS	-	-	30	42.00	23.76		
	MEANS	1.40	0.79	15.00	-	-	1.40	0.79
Av. width of block = 21.25 ft. (Grade g <sub>2</sub> = 0.99%Sn.)								
C17	DDH C31	0.31	0.30 <sup>c</sup>	5	1.55	1.50		
	DDH C88	1.40	0.88	22	30.80	19.36		
	DDH C62	0.41	0.63	25	10.25	15.75		
	TOTALS	-	-	52	42.60	36.61		
MEANS	0.82	0.70	17.33	-	-	0.82	0.70	
Av. width of block = 16.72 ft. (Grade g <sub>2</sub> = 0.85%Sn.)								

CLEVELAND MINE

Appendix C, Section 3, Sheet 5.

ORE RESERVES CALCULATION SHEET

BLOCK NO.	INTERSECTION	GRADE *		TRUE WIDTH (ft.)	PRODUCT W x G		(g <sub>1</sub> ) AVERAGE GRADE	
		%Sn.	%Cu.		Sn.	Cu.	%Sn.	%Cu.
C18	DDH C67	0.18	0.23	11	1.98	2.53		
	DDH C88	1.40	0.88	22	30.80	19.36		
	DDH C96	0.61	0.20	5	3.05	1.00		
	TOTALS		-	-	38	35.83	22.89	
MEANS		0.94	0.60	12.66	-	-	0.94	0.60
Av. width of block = 12.94 ft. (Grade g <sub>2</sub> = 0.92%Sn.)								

APPENDIX "C"

Section 4

DETAILS OF ORE RESERVE

BLOCK CALCULATIONS - LENSES "D" AND "E"

Sheets 1 and 2

K.R. Glasson and R. Cox, 4-3-66.

ABERFOYLE TIN DEVELOPMENT PARTNERSHIP - CLEVELAND DEVELOPMENT PROJECT

CLEVELAND MINE

Appendix C, Section 4, Sheet 1.

ORE RESERVES CALCULATION SHEET

BLOCK NO.	INTERSECTION	GRADE *		TRUE WIDTH (ft)	PRODUCT W x G		(g <sub>1</sub> ) AVERAGE GRADE	
		%Sn.	%Cu		Sn.	Cu.	%Sn.	%Cu.
D 1	Adopted grade = mean values for blocks D2 + D3 Av. grade of block = 10.35 ft						0.61	0.48
D 2	DDH C79	1.01	0.52	11	11 11	5.72		
	DDH C41	0.11	0.30 <sup>c</sup>	9	0.99	2.70		
	DDH C88	1.05	0.44	6	6.30	2.64		
	DDH C90	0.34	0.55	10	3 40	5.50		
	TOTALS	-	-	36	21.80	16 56		
	MEANS	0.61	0.46	9 00	-	-	0.61	0.46
	Av. width of block = 8.80 ft. (Grade g <sub>2</sub> = 0.62%Sn.)							
D 3	DDH C88	1.05		6	6 30	2.64		
	DDH C90	0.34		10	3.40	5.50		
	TOTALS	-	-	16	9.70	8.14		
	MEANS	0.61		8.00	-	-	0 61	0.51
	Av. width of block = 6.56 ft. (Grade g <sub>2</sub> = 0.74%Sn.)							

K.R. Glasson and R. Cox, 4-3-66.

\* Grade adopted throughout Ore Reserves Estimates

ABERFOYLE TIN DEVELOPMENT PARTNERSHIP - CLEVELAND DEVELOPMENT PROJECT

CLEVELAND MINE

Appendix C, Section 4, Sheet 2.

ORE RESERVES CALCULATION SHEET

BLOCK NO	INTERSECTION	GRADE *		TRUE WIDTH (ft.)	PRODUCT W x G		(E <sub>1</sub> ) AVERAGE GRADE	
		%Sn.	%Cu.		Sn.	Cu.	%Sn.	%Cu.
E 1	DDH C41  Av. width of block = 18.93 ft. (Grade g <sub>2</sub> = 0.92%Sn.)	0.67	0.30*	26	17.42	7.80	0.67	0.30
E 2	DDH C90  Av. width of block = 19.29 ft. (Grade g <sub>2</sub> = 0.47%Sn.) (Omitted from Estimate)	0.31	0.21	29	8.99	6.09	0.31	0.21

APPENDIX "C"

Section 5

DETAILS OF ORE RESERVE

BLOCK CALCULATIONS - HENRY'S LODE

Sheets 1 and 2

K.R. Glasson and R. Cox, 4-3-66.

ABERFOYLE TIN DEVELOPMENT PARTNERSHIP - CLEVELAND DEVELOPMENT PROJECT

CLEVELAND MINE

Appendix C, Section 5, Sheet 1.

ORE RESERVES CALCULATION SHEET

BLOCK NO.	INTERSECTION	GRADE *		TRUE WIDTH (ft.)	PRODUCT W x G		(ε <sub>1</sub> ) AVERAGE GRADE	
		%Sn.	%Cu.		Sn.	Cu.	%Sn.	%Cu.
H 1	DDH C71	0.78	0.30	46	35.88	13.80		
	DDH C49	3.84	1.57	2	7.68	3.14		
	DDH C36	0.76	0.20	3	2.28	0.60		
	TOTALS MEANS	- 0.90	- 0.34	51 17.00	45.84 -	17.54 -	0.90	0.34
Av. width of block = 17.82 ft. (Grade g <sub>2</sub> = 0.86%Sn.)								
H 2	DDH C49	3.84	1.57	2	7.68	3.14		
	DDH C36	0.76	0.20	3	2.28	0.60		
	1300'RL. cross-cut "R"	1.52	0.64	7	10.64	4.48		
	TOTALS MEANS	- 1.72	- 0.69	12 4.00	20.60 -	8.22 -	1.72	0.69
Av. width of block = 10.17 ft. (Grade g <sub>2</sub> = 0.68%Sn.)								
H 3	1300'RL cross-cut "R"	1.52	0.64	7	10.64	4.48		
	DDH C52	1.47	0.37	10	14.70	3.70		
	DDH C43	4.84	0.30*	6	29.04	1.80		
	TOTALS MEANS	- 2.36	- 0.43	23 7.67	54.38 -	9.98 -	2.36	0.43
Av. width of block = 7.90 ft. (Grade g <sub>2</sub> = 2.29%Sn.)								
H 4	DDH C37	1.96	0.30*	18	35.28	5.40		
	DDH C38	1.40	0.30*	12	16.80	3.60		
	DDH C43	4.84	0.30*	6	29.04	1.80		
	TOTALS MEANS	- 2.25	- 0.30	36 12.00	81.12 -	10.80 -	2.25	0.30
Av. width of block = 11.86 ft. (Grade g <sub>2</sub> = 2.28%Sn.)								

\* Grade adopted throughout Ore Reserves Estimates.

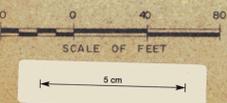
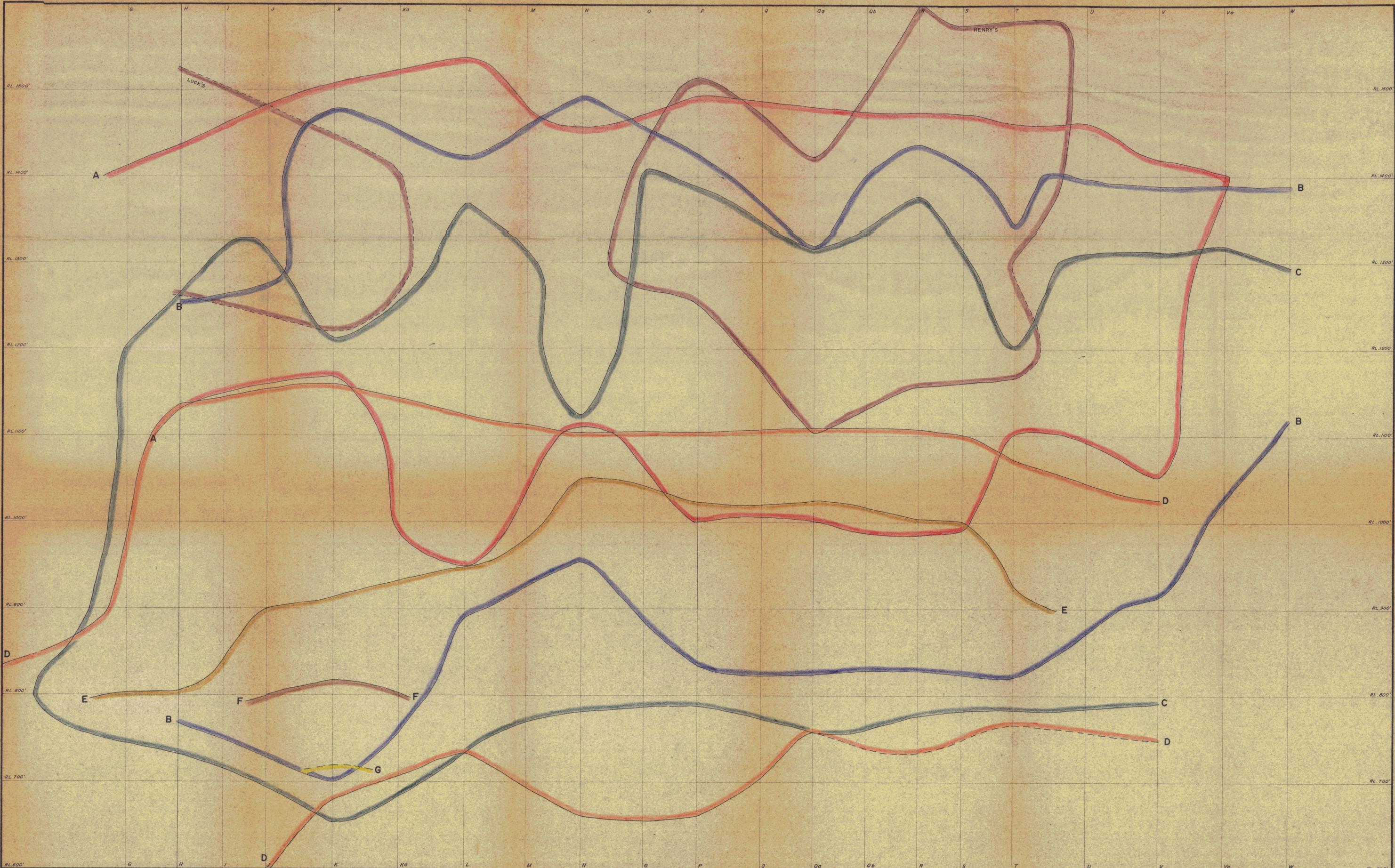
ABERFOYLE TIN DEVELOPMENT PARTNERSHIP - CLEVELAND DEVELOPMENT PROJECT

CLEVELAND MINE

Appendix C, Section 5, Sheet 2.

ORE RESERVES CALCULATION SHEET

BLOCK NO	INTERSECTION	GRADE *		TRUE WIDTH (ft.)	PRODUCT W x G		(g <sub>1</sub> ) AVERAGE GRADE	
		%Sn.	%Cu.		Sn.	Cu.	%Sn.	%Cu.
H 5	DDH C71  Av. width of block = 22.20 ft. (Grade g <sub>2</sub> = 1.62%Sn.)	0.78	0.30	46	35.88	13.80	0.78	0.30
H 6	DDH C71	0.78	0.30	46	35.88	13.80		
	DDH C49	3.84	1.57	2	7.68	3.14		
	TOTALS MEANS	- 0.91	- 0.35	48 24.00	43.56 -	16.94 -	0.91	0.35
	Av. width of block = 12.83 ft. (Grade g <sub>2</sub> = 1.70%Sn.)							
H 7	DDH C49	3.84	1.57	2	7.68	3.14		
	1300'RL. cross-out "R"	1.52	0.64	7	10.64	4.48		
	DDH C52	1.47	0.37	10	14.70	3.70		
	TOTALS MEANS	- 1.74	- 0.60	19 6.33	33.02 -	11.32 -	1.74	0.60
	Av. width of block = 7.67 ft. (Grade g <sub>2</sub> = 1.44%Sn.)							



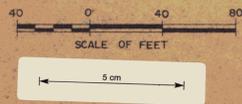
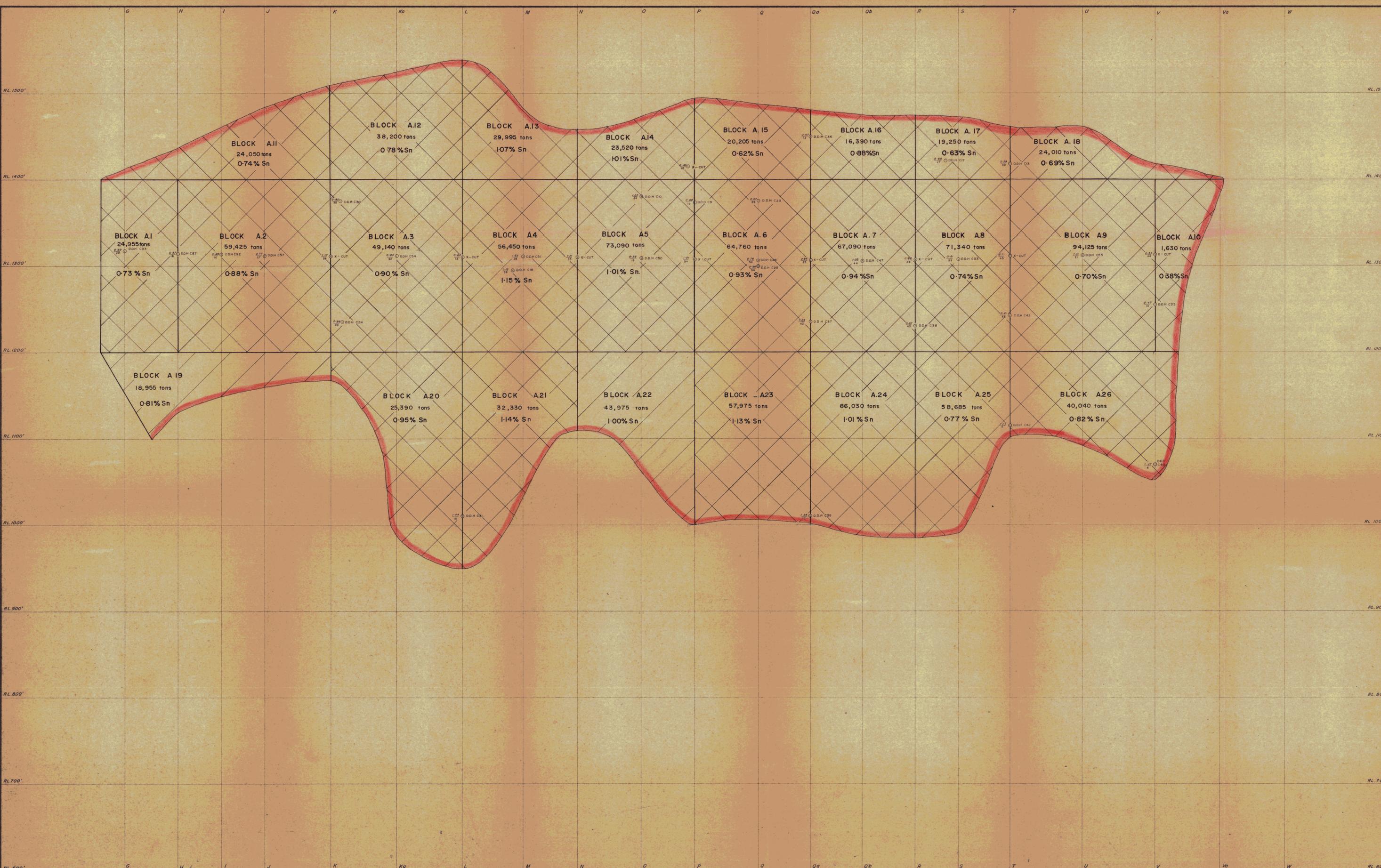
**CLEVELAND MINE, TASMANIA**  
 COMPOSITE LONGITUDINAL PROJECTION OF "ORE BODIES"  
 onto HALL'S REFERENCE PLANE  
 LOOKING N.W.

**LEGEND**

<span style="color: red;">—</span>	HENRY'S - LUCK'S (Farthest)
<span style="color: blue;">—</span>	LENS A
<span style="color: green;">—</span>	" B
<span style="color: orange;">—</span>	" C
<span style="color: yellow;">—</span>	" D
<span style="color: brown;">—</span>	" E
<span style="color: purple;">—</span>	" F
<span style="color: yellow;">—</span>	" G (Nearest)

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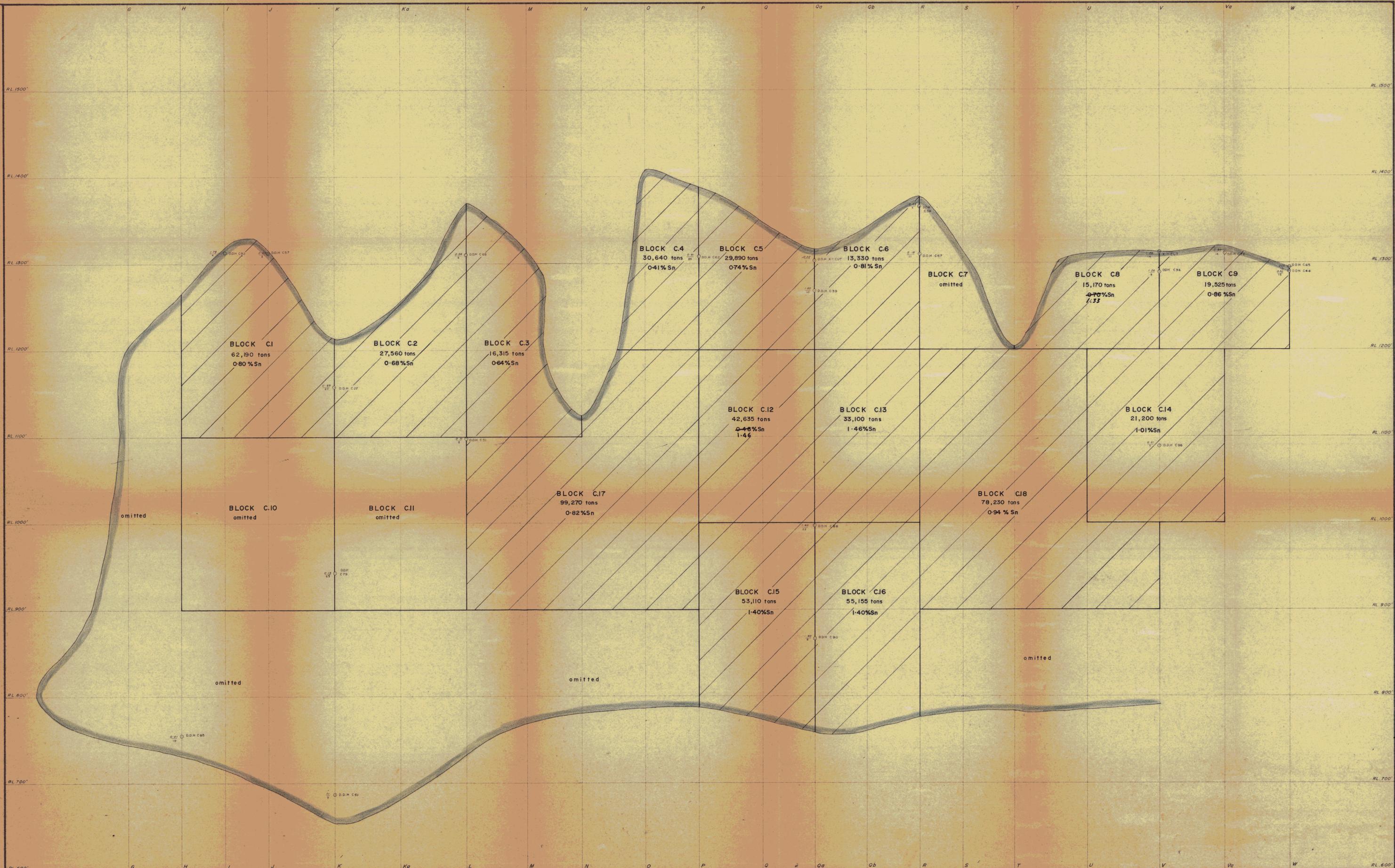
LEGEND  
 ○ DDH SAMPLE LOCATION DDH C31  
 GRADE = 1.44% Sn OVER TRUE WIDTH OF 15 FEET  
 ▤ INDICATED ORE  
 ▨ INFERRED ORE  
 0.73% Sn TIN GRADE FOR BLOCK A.1

CLEVELAND MINE, TASMANIA  
 LONGITUDINAL PROJECTION of, "LENS A"  
 onto HALL'S REFERENCE PLANE  
 LOOKING N.W.

ORE RESERVE CALCULATION SHEET - LENS "A"

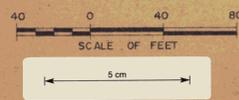
66-420<sup>th</sup>





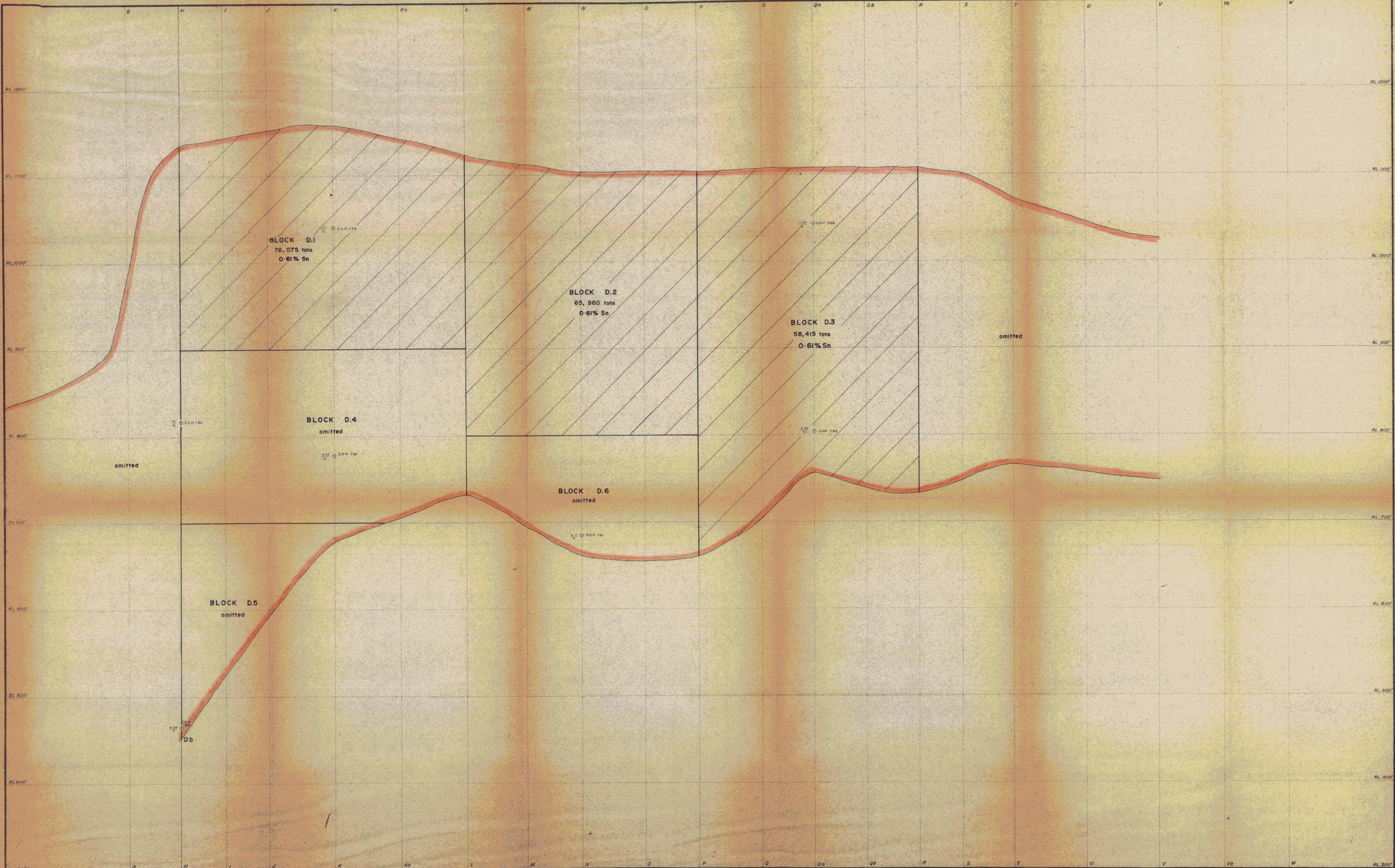
**CLEVELAND MINE, TASMANIA**  
 LONGITUDINAL PROJECTION of " LENS C "  
 onto HALL'S REFERENCE PLANE  
 LOOKING N.W.

**ORE RESERVE CALCULATION SHEET - LENS "C"**



**LEGEND**  
 SAMPLE LOCATION D.D.H. C88  
 GRADE = 1.40% Sn OVER TRUE WIDTH OF 22 FEET

INDICATED ORE  
 INFERRED ORE  
 TIN GRADE FOR BLOCK C.15



**BLOCK D.1**  
76,075 tons  
0.61% Sn

**BLOCK D.2**  
65,960 tons  
0.61% Sn

**BLOCK D.3**  
58,415 tons  
0.61% Sn

**BLOCK D.4**  
omitted

**BLOCK D.6**  
omitted

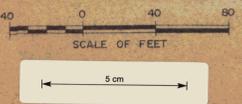
**BLOCK D.5**  
omitted

omitted

omitted

**LEGEND**

- SAMPLE LOCATION D.D.H. C.B.S.
- INDICATED ORE
- INFERRED ORE
- 0.61% Sn TIN GRADE FOR BLOCK D.3



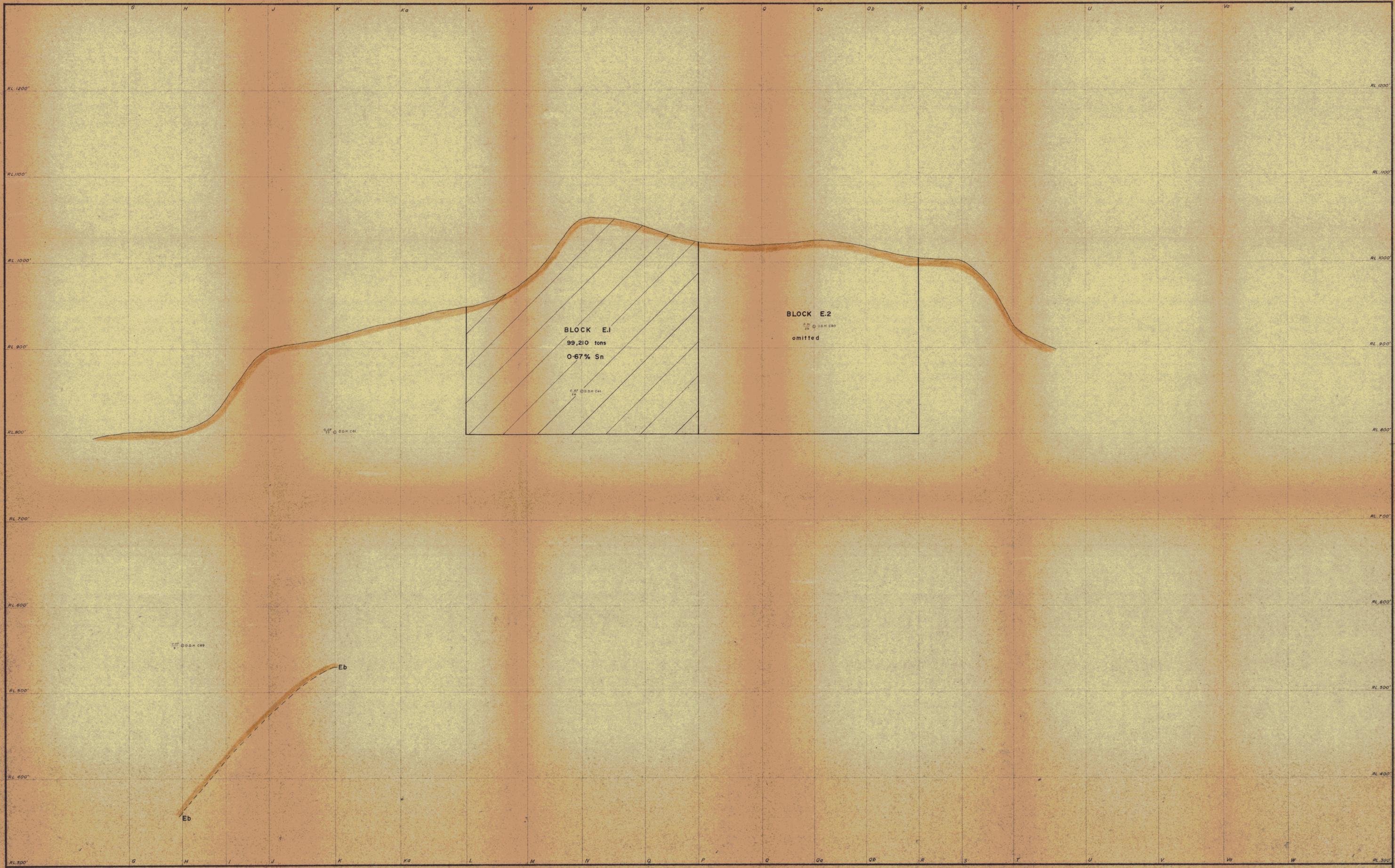
**CLEVELAND MINE, TASMANIA**  
LONGITUDINAL PROJECTION of "LENS D"  
onto HALLS REFERENCE PLANE  
LOOKING N.W.

ORE RESERVE CALCULATION SHEET-LENS "D"

Drg. No. C-125-G  
K. R. GLASSON & R. COX, March 4th 1966

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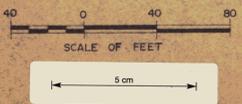


**BLOCK E.1**  
 99,210 tons  
 0.67% Sn

**BLOCK E.2**  
 omitted

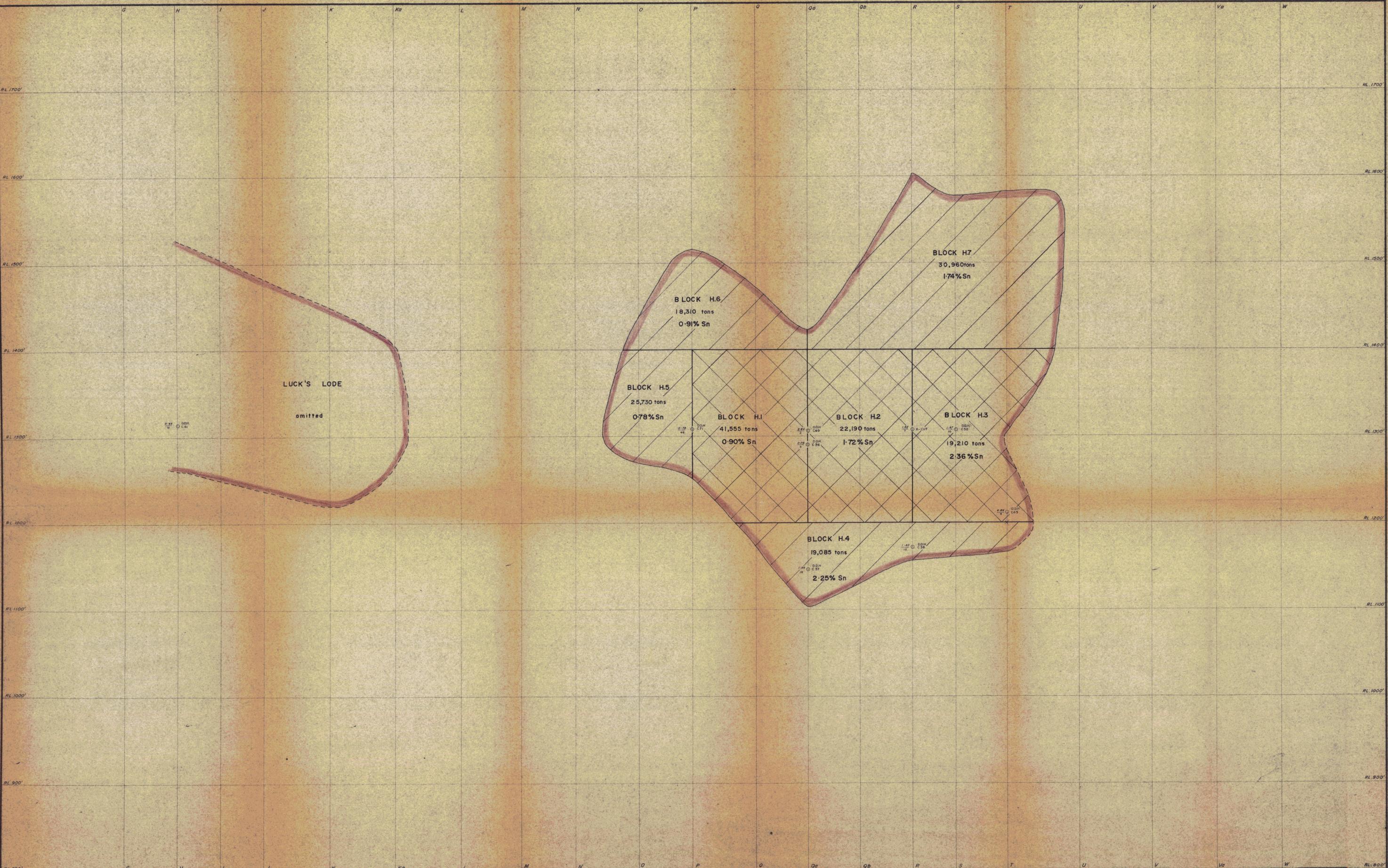
**LEGEND**  
 SAMPLE LOCATION D.D.H. C41  
 GRADE = 0.67% Sn OVER TRUE WIDTH OF 20 FEET

INDICATED ORE  
 INFERRED ORE  
 0.67% Sn TIN GRADE FOR BLOCK E.1



**CLEVELAND MINE, TASMANIA**  
 LONGITUDINAL PROJECTION of "LENS E"  
 onto HALL'S REFERENCE PLANE  
 LOOKING N.W.

ORE RESERVE CALCULATION SHEET — LENS "E"



**LEGEND**

- SAMPLE LOCATION D.D.H. C52  
 GRADE = 1.47% Sn OVER TRUE WIDTH 10 FT.
- INDICATED ORE
- INFERRED ORE
- 0.90% Sn TIN GRADE FOR BLOCK H.1

**CLEVELAND MINE, TASMANIA**  
**LONGITUDINAL PROJECTION of LUCK'S & HENRY'S ORE BODIES**  
**onto HALL'S REFERENCE PLANE**  
**LOOKING N.W.**

**'ORE RESERVE CALCULATION SHEET - "LUCK'S & HENRY'S LODES"**

