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CLEVELAND DEVELOPMENT PROJECT

MICROFILMED

REPORT UPON COMPLETION OF THE 1300'R.L. "Qa" ADIT LEVEL EXPLORATION PROGRAMME, CLEVELAND MINE, TASMANIA.

R. Cox

Resident Geologist

30th November, 1965.

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1. INTRODUCTION

This report summarises all geological and sampling data obtained from the 1300 ft. R. L. "Qa" adit sampling programme at Cleveland Mine, Tasmania.

It is assumed that the reader is familiar with the geology of the deposit and with the purposes of the sampling programme, and has access to the following reports discussing these subjects:-

(1) "Outline of Proposed Exploratory Development and Ore Testing Programme", A. A. C. Mason, November 1963.

(2) "Report of the Resident Geologist upon Completion of Exploratory Underground Development, R. L. 1300 ft. level", R. Cox, January 1965.

(3) "Report on the Bulk Sample Operation, Exploratory Underground Development, R. L. 1300 ft. level", N. A. Gilberthorpe, July 1965.

(4) "Progress Report on Sample Data Analyses, 1300' R. L. "Qa" Adit, cross-sections, Halls Lode", R. Cox, 21-1-65.

(5) "Report on Sample Data Analysis for Halls Lode, Lens "A", Upon Completion of 1300'R. L. "Qa" Adit Level Exploration Programme, etc. ", R. Cox, 30-11-65.

Since the presentation of the writers earlier report, dated Jan. 1965, the following developments on the 1300'R. L. level have been undertaken and completed:-

(a) extension of S. W. drive from Sta. 655'S. D. to cross-section "G" at Sta. 825'S. D.

(b) extension of N. E. drive from Sta. 445'N. D. to cross-section "W" at Sta. 633'N. D.

(c) "K" cross-cut to 68'N. W. of peg A30, with a small amount of rising and winzing

(d) cross-cut to 50'N. W. of peg A24

(e) extension of DDH programme with holes on cross-sections G, H, I, J, K, Va and W

(f) extension of sampling programme with sample DDH's on cross-sections K, L, N, P, Qa, R, T and V for Halls Lode, Lens "A".

2. TYPES OF SAMPLING

As discussed in the writer's report of Jan. 1965, 4 types of sampling were undertaken - groove, channel, bulk and DDH split core. These samples of differing sizes allow a comparison to be made between the reliability of the various types taken from the same cross-sections.

The four types are summarised briefly as follows:-

(a) Groove Samples

These consist of a continuous 1" wide x $\frac{1}{2}$" deep groove taken by hand, using hammer and moil, from (1) both walls of each cross-cut (on cross-sections K, L, N, P, Qa, R, T and V) over the full width of the ore-bodies, and (2) across each face exposed in the contour drives NE and SW, of peg A5 on Hall's Lode, Lens "A", and NE and SW of peg A28 on Henry's Lode.

(b) Channel Samples

These consist of a continuous 6" wide x 2" deep channel taken by hand, using hammer and moil, from the same sample locations as the groove samples, in the cross-cuts only.

(c) Bulk Samples

These were cut as a slot from the back of each of the 8 cross-cuts (K, L, N, P, Qa, R, T and V) exposing Halls Lode, Lens "A". Each slot was 4'0" wide x 2'0" deep. Mr. Gilberthorpe's report of July 1965 presents all data relating to the bulk sampling programme.

(d) DDH Split Core Samples

Diamond drill holes (AXT core size) were drilled on bearings of 312°/132° on all cross-section lines, G, H, I, J, K, Ka, L, M, N, O, P, Q, Qa, Qb, R, S, T, U, V, Va and W to (1) provide a record of the geological strata and structures, and (2) to provide split core samples for evaluating and analysing the ore-bodies at regular intervals along strike.

3. METHODS OF SAMPLING

The methods of sampling the various ore-bodies exposed on the 1300'R. L. "Qa" adit level, including Henry's Lode, Luck's Lode, and Hall's Lode, Lenses "A", "B" and "C", were as follows:-

(a) On cross-section lines, perpendicular to strike

Groove, channel, bulk and DDH split core samples were taken from the cross-cuts on the 8 cross-section lines K, L, N, P, Qa, R, T and V, for Hall's Lode, Lens "A".

DDH split core samples were taken on intermediate cross-section lines G, H, I, J, Ka, M, O, Q, Qb, S, U and Va and used in conjunction with groove samples from the contour drives.

Ore bodies other than Lens "A" were DDH split core sampled, and in a few cases, groove and channel sampled (see Report of Jan. 1965, Table 7).

(b) Drive Samples, along strike

Groove samples were taken across each face, at 5 ft. intervals along strike, for the contour drives NE and SW of peg A5 on Hall's Lode, Lens "A", and NE and SW of peg A28 on Henry's Lode. The full width of the ore-bodies was NOT exposed in these drives.

4. GEOLOGICAL - SAMPLING RESULTS

The geological results of this exploration programme are shown on the 1"=20' geological fact plans attached as Appendix 1.

The sampling results are shown on the sample location plans attached as Appendices 2, 3, 4 and 5.

Assay plans are presently being draughted in the Melbourne office, based upon the sample location plans and grade calculations (see next section of this report).

The actual taking of all samples, with the exception of the bulk samples, was supervised by the writer. Sample locations were selected to ensure that all geological units were sampled separately, and all sampling was done concurrently with the writer's mapping and/or core logging. All samples were assayed for tin and most for copper at the Mines Department, Launceston, Tasmania.

5. GRADE CALCULATIONS AND SAMPLE DATA ANALYSES

Grade calculations for tin and copper assays for all samples, including bulk samples, taken during the R. L. 1300 ft. "Qa" adit level development programme were completed by the writer, and copies are held by the Melbourne office and Mr. K. R. Glasson.

In addition, a systematic programme of sample data analysis was undertaken to examine the tin and copper distribution within the sulphide (lode) and chert bands comprising the overall lode, for Hall's Lode, Lens "A". Full details and calculations are given in the writer's two reports on Sample Data Analysis, dated 21-1-65 and 30-11-65. (see Introduction)

For this report, calculations and analyses are conveniently tabulated as follows:-

(a) Summary of all results: Tables 1 - 5 inclusive

(b) Summary and comparison of results from 8 cross-sections, "K"-"V" inclusive, Lens "A" - Table 6

The data presented in some of these tables is supplementary only to that tabulated in the writer's report of Jan. 1965.

Grade calculations completed up to January 1965 were employed in the ore-reserve calculations for the Ore Reserve Report of Feb. 1965.

Sample Data Analyses on Hall's Lode, Lens "A" show that (1) small groove or AXT split core samples provide as reliable an estimate of the tin and copper grade as the larger channel or bulk samples and (2) tin and copper values are distributed almost entirely within the sulphide lode beds, with the interbanded chert and shale bands (within the overall lode) containing negligible mineralisation.

TABLE 1

SUMMARY OF SAMPLING PROGRAMME, 1300'R. L. "Qa" ADIT LEVEL

1. Contour Drives on Hall's Lode, Lens "A", SW and NE of Peg A5, Groove Samples

   (a) Samples QS1 -364 inclusive = 364 samples

   (b) Samples QN1 -172) = 208 samples

   QN172B-207)

2. Contour Drive on Hall's Lode, Lens "B", NE of Peg A5, Groove Samples

   Samples QN208 -254 inclusive = 47 samples

3. Contour Drives on Henry's Lode, SW and NE of Peg A28, Groove Samples

   (a) Samples RS1 - 88 inclusive = 88 samples

   (b) Samples RN1 - 49 inclusive = 49 samples

Total = 756 groove samples

4. DDH Split Core Sampling

   Sample Nos.:

   807- 838, 847- 945, 954- 969, 1016-1021,
   1023-1033, 1036-1068, 1079-1093, 1119-1125,
   1176-1211, 1223-1243, 1252-1262, 1279-1293,
   1297-1301, 1400-1408, 1429-1433, 1437-1461.

Total = 346 DDH S/C samples

5. Cross-Cut Sampling

Cross-Cut	Channel Samples			Groove Samples		
	Sample Nos.	No. of Samples	Sampled Footage	Sample Nos.	No. of Samples	Sampled Footage
K	KIA-43A inclusive	43	129'9"	KI-43 inclusive	43	129'9"
L	LIA-11A "	11	23'9"	LI-11 "	11	23'9"
N	NIA-37A "	37	77'3"	NI-37 "	37	77'3"
P	PIA-29A "	29	72'4"	PI-29 "	29	72'4"
Qa,etc.	QIA-76A* "	75	153'7"	QI-76* "	75	153'7"
R	RIA-59A "	59	136'11"	RI-59 "	59	136'11"
T	TIA-24A "	24	57'6"	TI-42 "	42	108'3"
V	VIA-40A "	40	113'7"	VI-40 "	40	113'7"
Totals		318	764'8"		336	815'5"

* No sample Q71 or Q71A

6. Bulk Sampling - See separate report by N. A. Gilberthorpe, July 1965.

R. Cox, 30th Nov. 1965

TABLE 2

SUMMARY OF RESULTS OF GROOVE SAMPLING PROGRAMME

1300'R. L. "Qa" ADIT LEVEL CONTOUR DRIVES,

HALL'S LODE, LENSES "A"+"B" AND HENRY'S LODE

Development Opening	Lode	Location	Width - horizontal (full width not exposed)	Wt. Av. Grade	
				%Sn	%Cu
Drive SW, of Peg A5	Halls, Lens "A"	Sta. 5'-110'SD	65.0"	1.13	0.59
		110'-140'SD	*		
		140'-250'SD	44.6"	1.00	0.52
		250'-315'SD	*		
		315'-370'SD	55.4"	1.18	0.41
		370'-430'SD	*		
		430'-505'SD	85.6"	0.67	0.40
		505'-550'SD	*		
		550'-585'SD	41.9"	1.83	0.42
		585'-600'SD	*		
		600'-655'SD	84.5"	1.27	0.22
		655'-825'SD	47.8"	0.92	0.31
Drive NE of Peg A5	Halls, Lens "A"	Sta. 5'-105'ND	74.5"	1.17	0.55
		105'-200'ND	*		
		200'-270'ND	61.3"	1.01	0.33
		270'-285'ND	*		
		285'-295'ND	63.3"	0.81	0.26
		295'-305'ND	*		
		305'-330'ND	36.2"	0.52	0.22
		330'-365'ND	*		
		365'-445'ND	60.1"	0.62	0.20
Drive NE of Peg A5	Halls, Lenses "A"+"B"	Sta. 445'-488'ND	*		
		488'-633'ND	52.2"	0.76	0.28
Drive SW of Peg A28	Henrys	Sta. 11'-201'SD	38.2"	1.50	0.69
Drive NE of Peg A28	Henrys	Sta. 14'-134'ND	39.5"	3.76	0.82

* No samples - drive purposely diverted from lode.

TABLE 3

SUMMARY OF SAMPLING RESULTS, 1300'R. L. "Qa" ADIT LEVEL, HALL'S LODE, LENS "A"

(Supplement to Table 6 of Jan. 1965 Report)

Cross-Section line	Location	Horizontal Width	Wt.Av.Grade		Type of Sampling
			%Sn	%Cu	
G	Sta.820'SD -Groove+DDH C93 S/C	21'4"=256"	0.60	0.24	S/C+groove
H	Sta.760'SD -Groove+DDH C87 S/C	19'8"=238"	0.87	0.49	"
I	Sta.705'SD -Groove+DDH C92 S/C	10'4"=124"	0.49	0.22	"
K	Sta.575'SD-Groove samples+DDH C86 S/C	28'3"=339"	1.34	0.47	"
L	Sta.435'SD -Groove samples+DDH C82 S/C	11'1"=133"	1.03	0.35	"
N	DDH C83 S/C samples	35'1"=421"	1.20	0.38	S/C
P	Sta.145'SD -Groove samples+DDH C84 S/C	33'10"=406"	0.98	0.45	S/C+groove
Qa	Sta. 10'SD -Groove samples+DDH C95 S/C	15'0"=180"	1.39	0.72	"
R	DDH C80 S/C samples	48'8"=584"	0.78	0.24	S/C
T	Sta.265'ND-Groove samples+DDH C81 S/C	42'7"=511"	0.59	0.30	S/C+groove
V*	Sta.440'ND-Groove samples+DDH C94 S/C	58'6"=702"	0.54	0.20	"

* Lenses "A" + "B"

R. Cox, 30th Nov. 1965.

TABLE 4

SUMMARY OF SAMPLING RESULTS, 1300'R. L. "Qa" ADIT LEVEL, MINERALISATION OTHER THAN HALL'S LODE, LENS "A"

(Supplement to Table 7 of Jan. 1965 Report)

Cross-Section line	Lode	Location	Horizontal Width	Wt.Av.Grade		Type of Sampling
				%Sn	%Cu	
H	Lucks	DDH. no. C91 S/C	31'6"=378"	0.43	0.41	S/C
L	Lens"C"	DDH. no. C65 S/C	5'1"= 61"	0.96	0.55	"
N	Lens"B"	DDH. no. C64 S/C	5'0"= 60"	1.03	0.32	"
P	Lens"B"	DDH. no. C62 S/C	5'1"= 61"	1.02	0.35	"
P	Lens"C"	DDH. no. C62 S/C	19'5"=233"	0.51	0.50	"
P	Henrys	DDH. no. C71 S/C	46'2"=554"	0.78	0.30	"
R	Lens"B"	DDH. no. C67 S/C	3'8"= 44"	1.11	0.25	"
R	Lens"C"	DDH. no. C67 S/C	12'0"=144"	0.18	0.23	"
T	Lens"B"	DDH. no. C76 S/C	6'5"= 77"	0.99	0.15	"
Va	Lens"B"	DDH. no. C73 S/C	21'5"=257"	0.44	0.25	S/C+groove
Va	Lens"C"	DDH. no. C72 S/C	14'9"=177"	0.60	0.24	S/C
W	Lens"B"	DDH. no. C74 S/C	15'8"=188"	0.15	0.06	S/C+groove

R. Cox, 30th Nov. 1965

TABLE 5

SUMMARY OF UNDERGROUND DIAMOND DRILLING PROGRAMME

1300'R. L. "Qa" ADIT LEVEL

(Supplementary to Table 10 of Jan. 1965 Report)

DDH No.	Coords of Collar N	Coords of Collar E	Bearing	Inclination	Total Footage	Total Split Core Footage	Sample Nos. (S/C)	Cross-Section
C62	1952	2969	132°	Horizontal	144'0"	35'7"	954- 969	P
C64	1855	2871	132	"	111'0"	6'3"	1016-1018	N
C65	1708	2831	132	"	58'0"	6'3"	1019-1021	L
C66	1570	2760	132	"	60'0"	-	-	K
C67	2098	3190	132	"	117'5"	25'6"	1023-1033	R
C71	1986	2931	312	"	143'3"	57'0"	1036-1058	P
C72	2328	3458	132	"	123'0"	22'0"	1059-1068	Va
C73	2336	3448	312	"	40'0"	15'0"	1079-1084	Va
C74	2381	3513	132	"	114'0"	17'9"	1085-1093	W
C75	2391	3501	312	"	20'0"	-	-	W
C76	2180	3264	132	"	133'0"	12'9"	1119-1125	T
C80	2154	3118	132	"	75'0"	50'8"	1176-1194 1238-1243	R
C81	2225	3211	134	"	60'0"	31'2"	1195-1209	T
C82	1757	2765	132	"	12'0"	5'7"	1210-1211	L
C83	1886	2822	132	"	55'0"	31'2"	1223-1237	N
C84	1975	2933	132	"	35'0"	30'0"	1252-1262	P
C86	1641	2693	132	"	60'0"	34'8"	1279-1293	K
C87	1493	2601	132	"	177'0"	6'1"	1297-1301	H
C91	1501	2592	312	"	199'10"	14'0"	1400-1408	H
C92	1530	2636	132	"	145'0"	4'1"	1429-1433	I
C93	1441	2568	132	"	153'4"	7'5"	1437-1442	G
C94	2314	3354	132	"	67'0"	29'10"	1443-1457	V
C95	2044	3040	132	"	24'4"	10'3"	1458-1461	Qa
Totals 23 holes					2127'2"	453'0"		
Totals from Table 10, Report of Jan. 1965 13 holes					991'4"	250'8"		
Totals to date 36 holes					3118'6"	703'8"		

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TABLE 6

COMPARATIVE SAMPLING RESULTS, 1300'R.L. "Qa" ADIT LEVEL HALLS LODE, LENS "A"

Cross-Section	Overall Lode									Aggregate Sulphide Bands									Aggregate Chert* Bands									Overall Lode			Overall Lode		
	Groove			Channel			DDH S/C			Groove			Channel			DDH S/C			Groove			Channel			DDH S/C			Bulk Samples			Bulk % Chert* - cross-cut walls		
	Width	%Sn	%Cu	Width	%Sn	%Cu	Width	%Sn	%Cu	Width	%Sn	%Cu	Width	%Sn	%Cu	Width	%Sn	%Cu	Width	%Sn	%Cu	Width	%Sn	%Cu	Width	%Sn	%Cu	Width	%Sn	%Cu	@+ 4'RL	@+ 7'RL	@+ 9'RL
V*	656 "	0.22	0.14	656 "	0.30	0.16	702 "	0.54	0.20	373 "	0.38	0.23	373 "	0.53	0.26	372"	1.03	0.37	283 "	Nil	0.02	283 "	0.02	0.03	330 "	Nil	trace	59'6"	0.40	0.18	43	45	39
T**	485	0.79	0.24	485	0.71	0.23	511	0.59	0.30	313	1.23	0.37	313	1.10	0.36	297	1.02	0.52	172	Nil	Nil	172	Nil	Nil	214	Nil	Nil	41'6"	0.73	0.22	35	37	35
R	557½	0.78	0.24	557½	0.88 #	0.26 #	584	0.78	0.24	394½	1.09	0.33	394½	1.24	0.37	352	1.26	0.40	163	0.01	Nil	163	0.03	Nil	232	0.04	Nil	47'6"	0.81	0.28	29	34	31
Qa	292	1.00	0.50	301	0.95 #	0.60 #	180	1.39	0.72	242	1.19	0.60	250	1.13	0.72	180	1.39	0.72	50	0.08	0.01	51	0.09	Nil	Nil	-	-	26'6"	0.90	0.56	17	22	23
P	408½	1.03	0.50	408½	1.01	0.44	406	0.98	0.45	322	1.30	0.62	322	1.27	0.55	336	1.15	0.50	86½	0.04	0.06	86½	0.06	0.04	70	0.14	0.16	32'9"	1.28	0.54	21	24	20
N	432	1.18	0.33	432	1.21	0.34	421	1.20	0.38	344	1.48	0.41	344	1.51	0.42	335	1.51	0.47	88	0.03	0.01	88	0.04	0.01	86	0.01	Nil	36'6"	1.17	0.31	20	23	30
L	142½	0.42	0.22	142½	0.60	0.36	133	1.03	0.35	120½	0.48	0.22	120½	0.67	0.40	133	1.03	0.35	22	0.08	0.23	22	0.19	0.12	Zero	-	-	12'0"	0.76	0.29	15	27	30
K	376	1.13	0.37	376	1.17	0.41	339	1.34	0.47	334½	1.27	0.41	334½	1.31	0.46	242	1.23	0.54	41½	Nil	Nil	41½	0.03	Nil	97	0.87	Nil	35'6"	0.82	0.27	11	18	29
Totals	3349½"	-	-	3358½"	-	-	3276"	-	-	2443½"	-	-	2451½"	-	-	2247"	-	-	906 "	-	-	907 "	-	-	1029 "	-	-	291'9"	-	-	-	-	-
Av.'s	418½"	-	-	420 "	-	-	409½"	-	-	305½"	-	-	306½"	-	-	281"	-	-	113 "	-	-	113 "	-	-	128½"	-	-	36'6"	-	-	29.8	30.7	30.2
Wt. Av.	-	0.80	0.30	-	0.83	0.32	-	0.86	0.33	-	1.09	0.40	-	1.12	0.43	-	1.20	0.47	-	0.02	0.02	-	0.02	0.01	-	0.10	0.01	-	0.81	0.30			

* Data from Halls Lode, Lenses "A" & "B"

** Data from SW wall only, "T" cross-cut

\# Data from NE wall only, "Qa" cross-cut

* Chert here refers to chert ± shale in overall lode

Taken from Schedule 1, Report of July 1965 by N. A. Gilberthorpe

* Chert here refers to chert ± shale in o/all lode

R. Cox, 30th Nov. 1965.

6. SUMMARY OF RESULTS

(a) No. of groove samples taken in contour drives = 756

(b) No. of groove samples taken in cross-cuts = 336

(c) No. of channel samples taken in cross-cuts = 318

(d) No. of DDH split core samples taken = 346

(e) No. of bulk samples taken = 72

(f) No. of DDH's drilled = 36

(g) Total DDH footage = 3118'6"

(h) Total DDH split core footage = 703'8"

(i) Wt. Mean assays for overall lode, Halls Lode, Lens "A" on 8 cross-sections, "K"-"V" inclusive:-

Groove = 0.80 %Sn/0.30 %Cu over 418½"

Channel = 0.83 %Sn/0.32 %Cu over 420 "

DDH S/C = 0.86 %Sn/0.33 %Cu over 409½"

Bulk = 0.81 %Sn/0.30 %Cu over 438 "

(j) Wt. Mean assays for aggregate sulphide bands, Halls Lode, Lens "A" on 8 cross-sections, "K"-"V" inclusive:-

Groove = 1.09 %Sn/0.40 %Cu over 305½"

Channel = 1.12 %Sn/0.43 %Cu over 306½"

DDH S/C = 1.20 %Sn/0.47 %Cu over 281 "

(k) Wt. Mean assays for aggregate chert bands, Halls Lode, Lens "A" on 8 cross-sections, "K"-"V" inclusive:-

Groove = 0.02 %Sn/0.02 %Cu over 113 "

Channel = 0.02 %Sn/0.01 %Cu over 113 "

DDH S/C = 0.10 %Sn/0.01 %Cu over 128½"

7. CONCLUSIONS

(a) Geology

The 1300'R. L. "Qa" Adit Level exploratory development programme has provided a wealth of geological data, confirming the stratigraphical sequence of Mr. K. R. Glasson (Report dated February 1962) and allowing a structural interpretation to be postulated (Report of R. Cox, dated Jan. 1965).

The structural interpretation of January 1965 formed the basis for ore-reserve calculations (Ore Reserve Report by K. R. Glasson and R. Cox, dated Feb. 1965), and for the current diamond drilling programme (Drilling Programme, Cleveland Project 1965 by K. R. Glasson and R. Cox). The results of this drilling programme have confirmed, to date, the structural interpretation of Jan. 1965.

(b) Sampling

An intensive and systematic sampling programme employing four sample sizes (groove, AXT split core, channel and bulk) has demonstrated clearly that the smaller samples (groove or AXT split core) provide as reliable an estimate of the tin and copper grade as the larger samples, within reasonable limits.

The method of sampling, in which lode, chert and shale bands were sampled separately, has shown conclusively the distribution pattern of tin and copper mineralisation within the overall lode. Negligible mineralisation occurs in the chert and shale bands, and these comprise 30% bulk volume of the overall lode in the case of Halls Lode, Lens "A" on the 1300'R. L. horizon.

R. Cox, 30-11-65.

8. APPENDICES

VOL II

Appendix	Description	Drawing No.
Unavailable 1	1300'R. L. "Qa" adit level, Geological Fact Plan, 1"=20'	C-020-G
1	1300'R. L. "Qa" adit level, Geological Fact Plan, 1"=20'	C-021-G
1	1300'R. L. "Qa" adit level, Geological Fact Plan, 1"=20'	C-022-G
2	1300'R. L. "Qa" adit level, Sample Location Plan, Contour Drives, 1"=20'	C-038-G
2	1300'R. L. "Qa" adit level, Sample Location Plan, Contour Drives, 1"=20'	C-040-G
2	1300'R. L. "Qa" adit level, Sample Location Plan, Contour Drives, 1"=20'	C-042-G
3	1300'R. L. "Qa" adit level, Sample Location Plan, cross-cuts+DDH's, 1"=20'	C-039-G
3	1300'R. L. "Qa" adit level, Sample Location Plan, cross-cuts+DDH's, 1"=20'	C-041-G
3	1300'R. L. "Qa" adit level, Sample Location Plan, cross-cuts+DDH's, 1"=20'	C-043-G
4	1300'R. L. "Qa" adit level, Sample Location Plan, DDH's, 1"=20'	C-065-G
4	1300'R. L. "Qa" adit level, Sample Location Plan, DDH's, 1"=20'	C-066-G
4	1300'R. L. "Qa" adit level, Sample Location Plan, DDH's, 1"=20'	C-067-G
5 Unavailable	1300'R. L. "Qa" adit level, Bulk Sample Location Plan, 1"=40'	C-044-G

CLEVELAND MINE, TASMANIA.
R.L. 1300' LEVEL HORIZON
DRIVE SAMPLE LOCATION PLAN

SCALE OF FEET 20 10 0 20 40

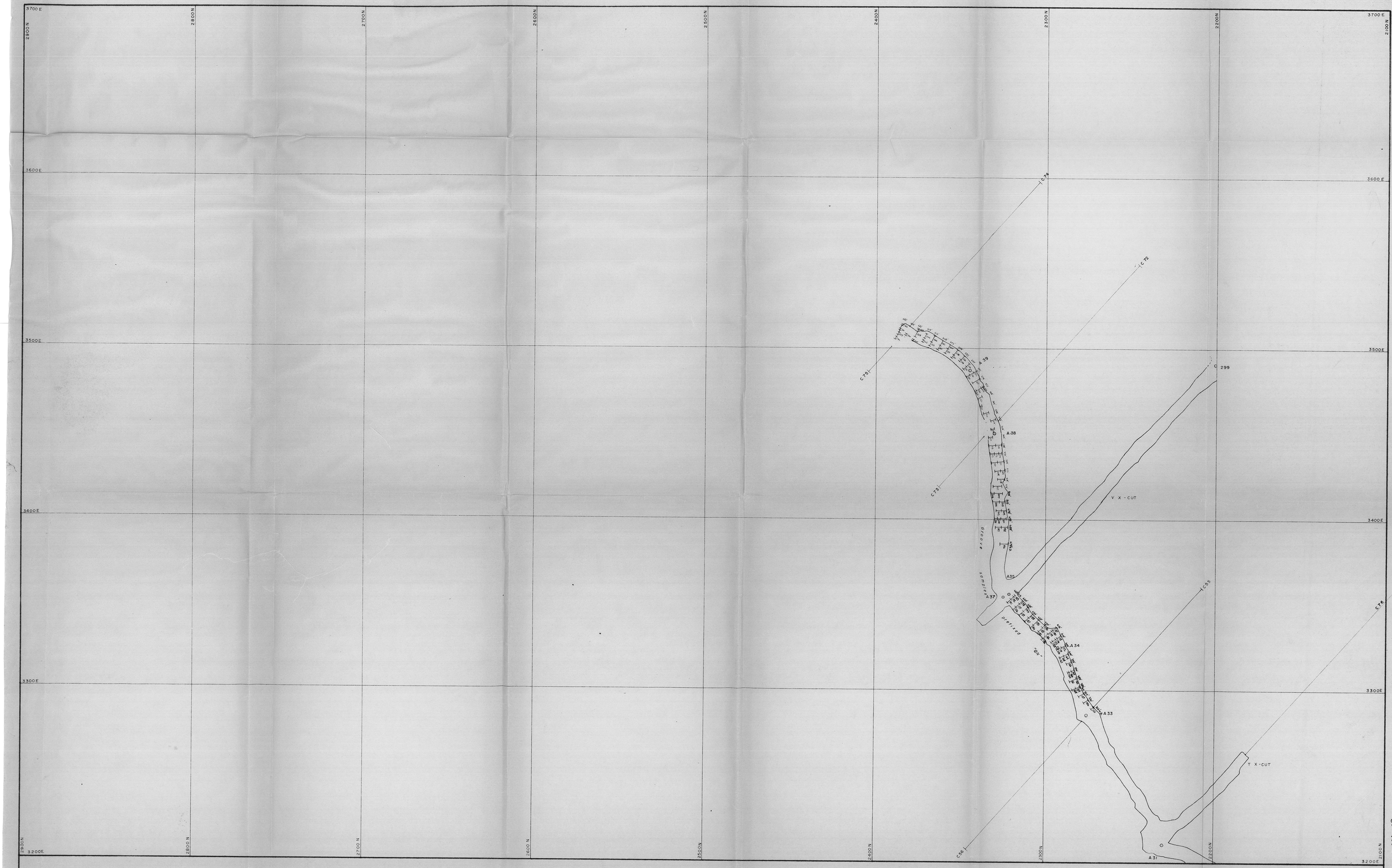
5 cm

Drg. No. C-038-G 2136

30 Nov 1965 R COX

65-4067

233617



20 10 0 20 40
SCALE OF FEET

5 cm

CLEVELAND MINE, TASMANIA.
R.L. 1300' LEVEL HORIZON
DRIVE SAMPLE LOCATION PLAN

P-040

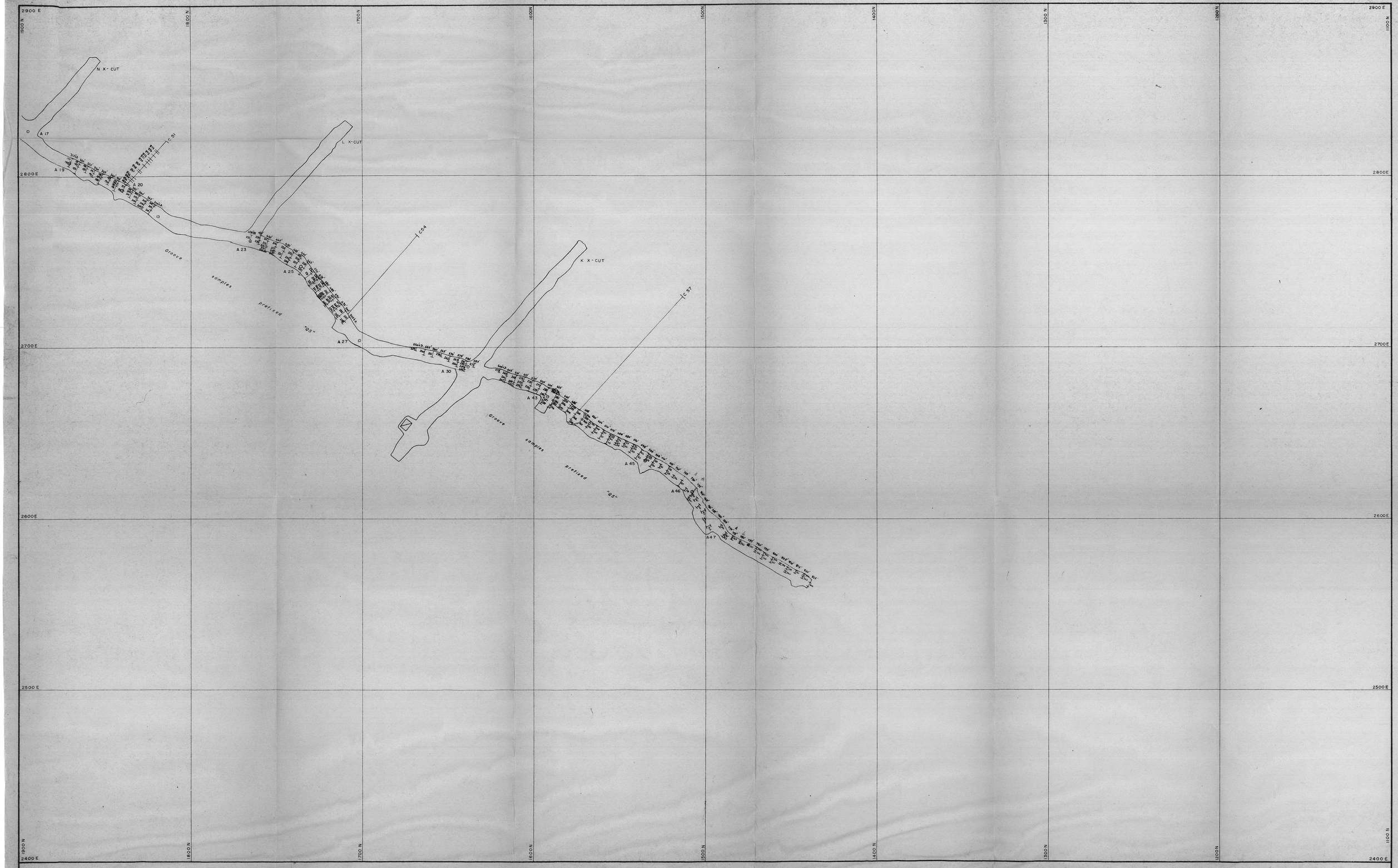
040-G

233018

Drg. No. C-040-G 2137

30 Nov. 1965 R.COX

GS-4474



CLEVELAND MINE, TASMANIA.

R.L. 1300' LEVEL HORIZON

DRIVE SAMPLE LOCATION PLAN

20 10 0 20 40
SCALE OF FEET

5 cm

233619

2138

Drg. No. C-042-G

30 Nov 1965

R COX

US-4064

CLEVELAND MINE, TASMANIA.

R.L. 1300' LEVEL HORIZON
SAMPLE LOCATION PLAN
CROSS CUTS AND DIAMOND DRILL HOLES

Drg. No. C-039-G 2139

30 Nov. 1965

R. COX

SCALE OF FEET

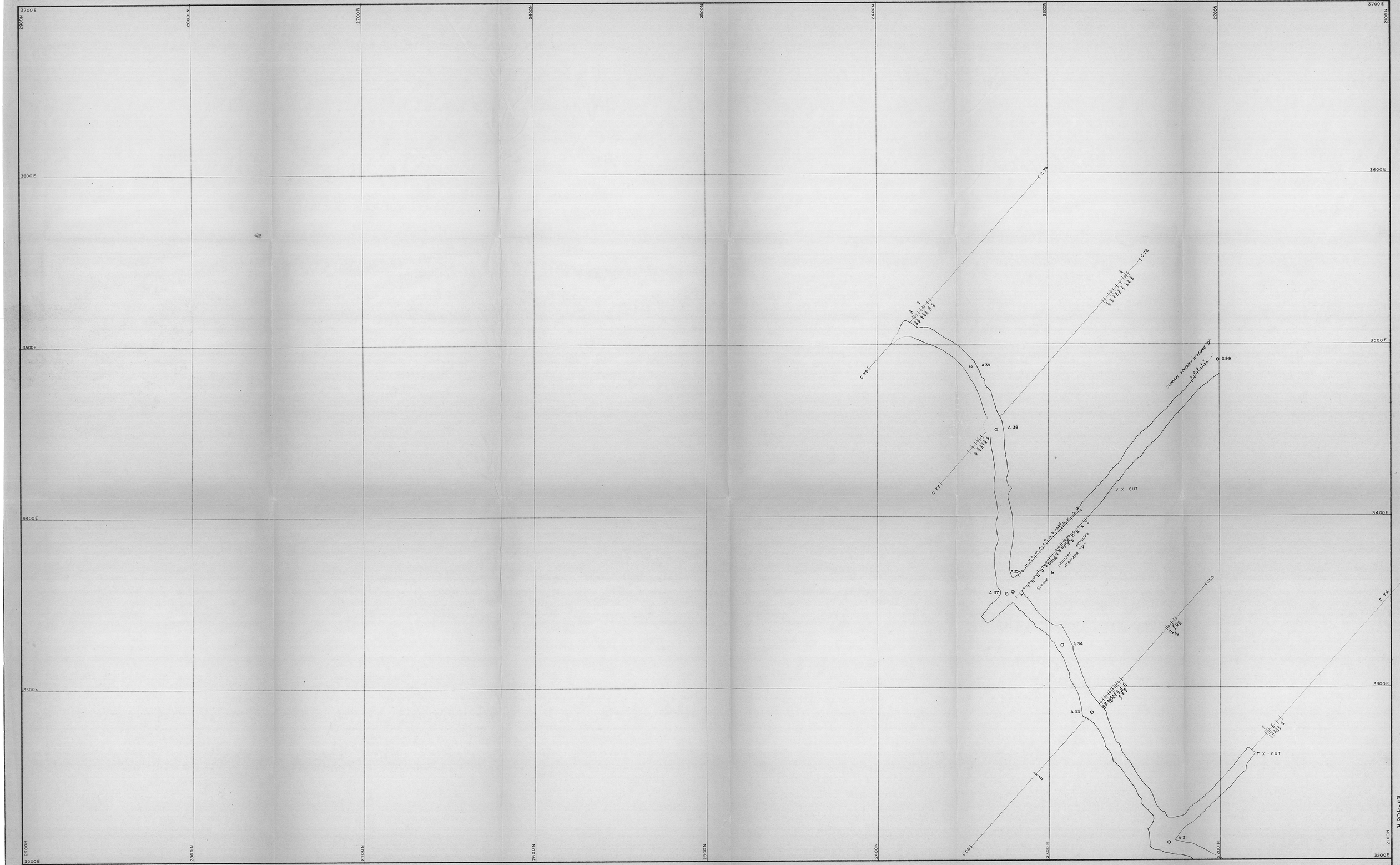
20 10 0 20 40

5 cm

3300 E
2300 N
2200 N
2100 N
2000 N
1900 N
1800 N
1700 N
1600 N
1500 N
3200 E
3100 E
3000 E
2900 E
2800 E
T X-CUT
R X-CUT
P X-CUT
N X-CUT
Groove & channel samples prefixed "T"
Groove & channel samples prefixed "R"
Groove & channel samples prefixed "P"
Groove & channel samples prefixed "N"
Groove & channel samples prefixed "Q"
Sampling of this wall incomplete
"QQ" ADIT
A 1
A 2
A 3
A 4
A 5
A 10
A 11
A 12
A 13
A 14
A 15
A 16
A 17
A 19
A 21
A 24
A 28
A 31
A 32
A 33
251
C 42
C 43
C 44
C 45
C 46
C 47
C 48
C 49
C 50
C 52
C 53
C 55
C 57
C 62
C 64
C 67
C 71
Groove
Line of Groove

74-04T-59

233020



CLEVELAND MINE, TASMANIA.

R. L. 1300' LEVEL HORIZON
SAMPLE LOCATION PLAN
CROSS CUTS AND DIAMOND DRILL HOLES

2140

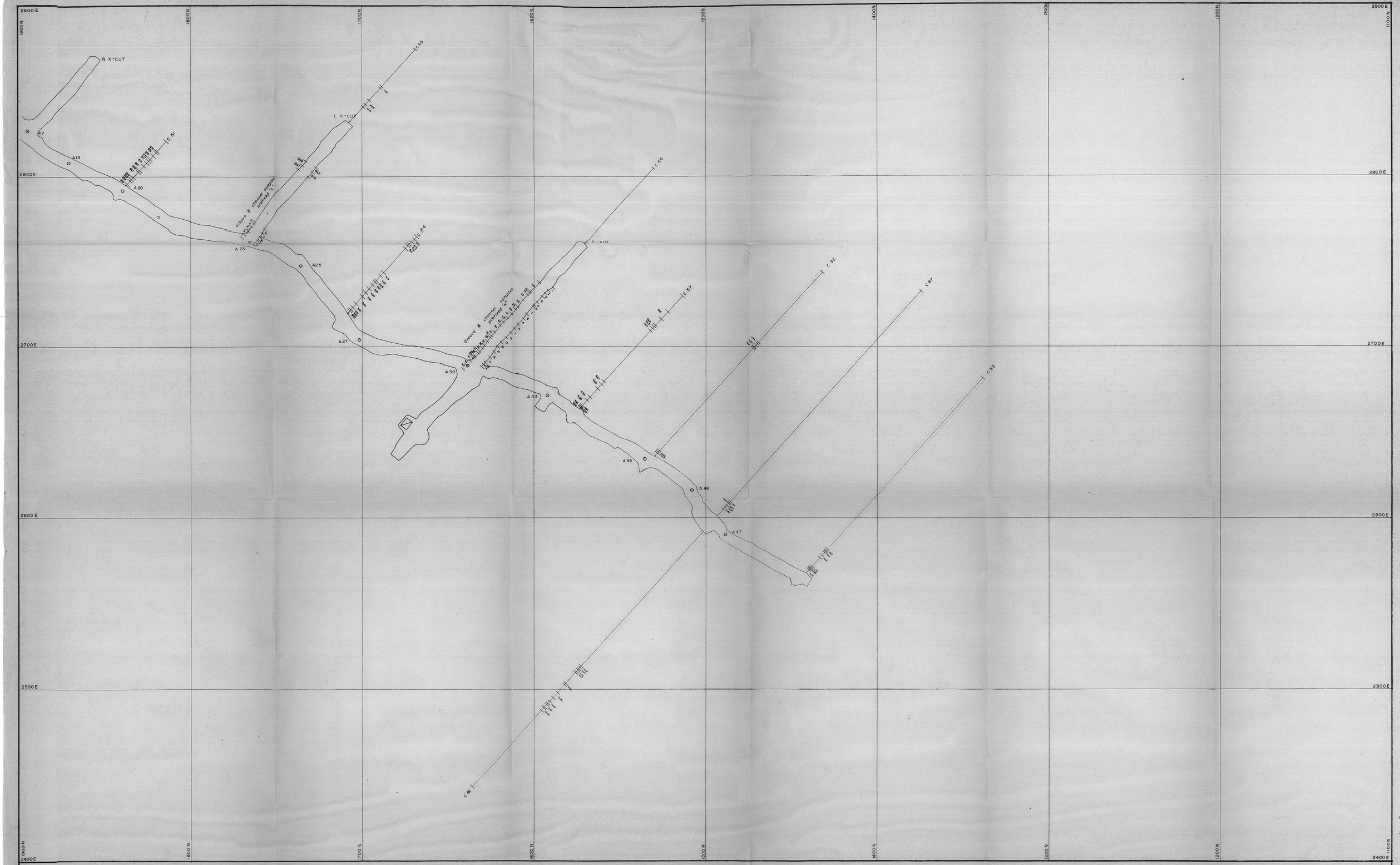
Drg. No. C-041-G

30 Nov 1965 R.COX

P-40

16-1674

233621



CLEVELAND MINE, TASMANIA.

R. L. 1300' LEVEL HORIZON
SAMPLE LOCATION PLAN
CROSS CUTS AND DIAMOND DRILL HOLES

20 10 0 20 40
SCALE OF FEET

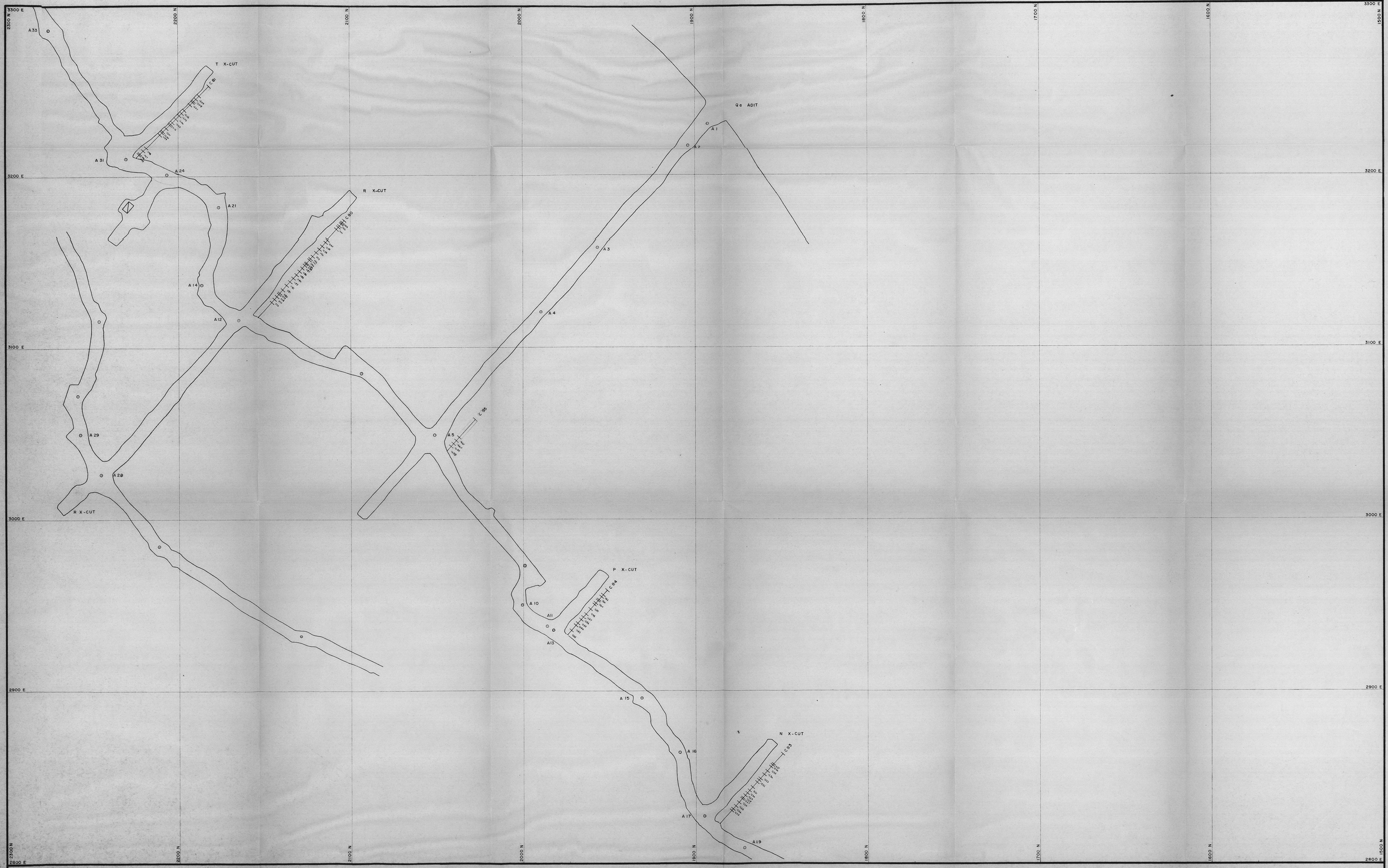
5 cm

Drg. No. C-043-G
30 Nov 1965 R COX

2141

233022 2

65-4043



20 10 0 20 40
SCALE OF FEET

5 cm

CLEVELAND MINE, TASMANIA.

R. L. 1300' LEVEL HORIZON

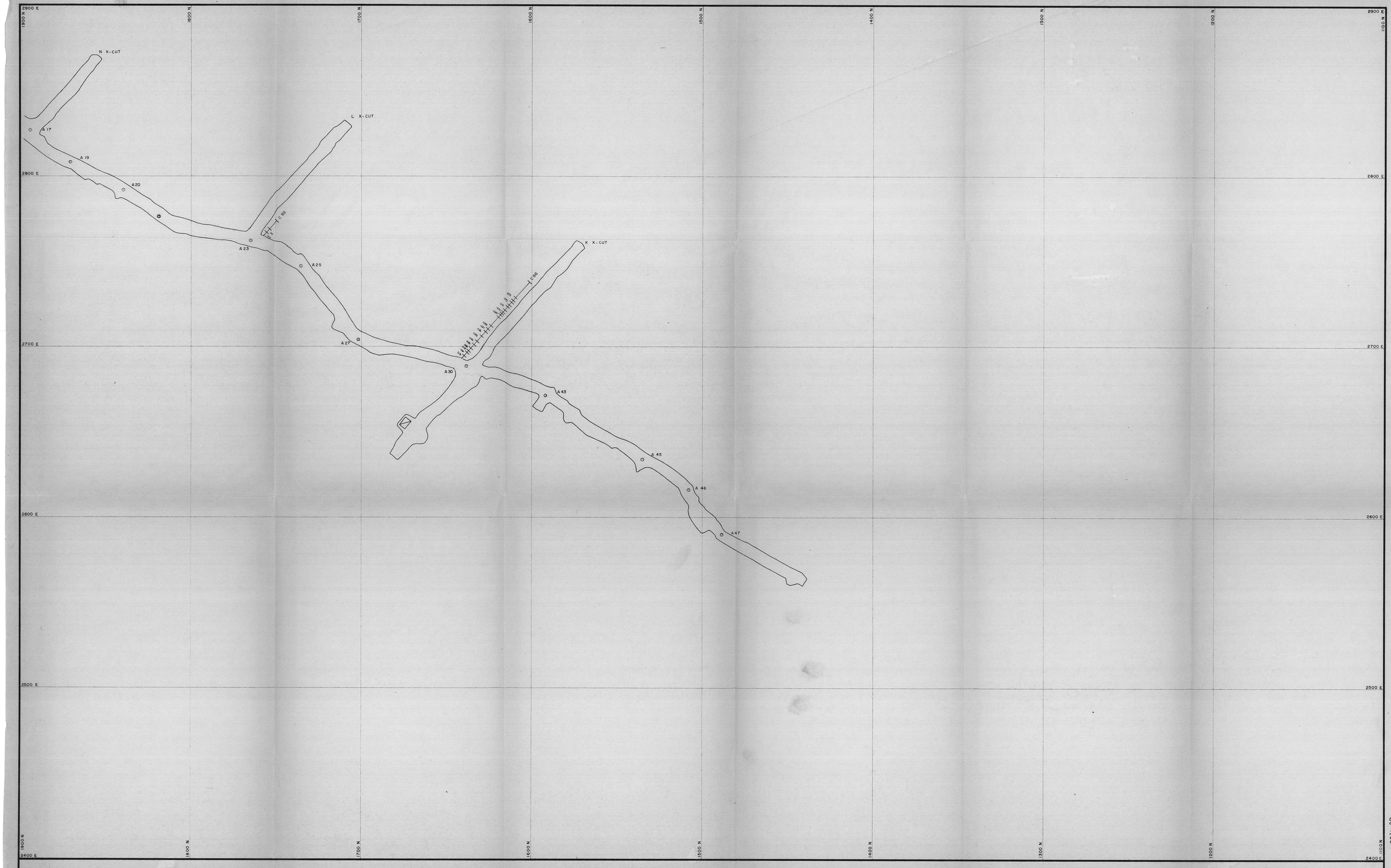
DIAMOND DRILL HOLE SAMPLE LOCATION PLAN

2142

Drg. No. C-065-G
30 Nov. 1965
R COX

65-1404

233623



CLEVELAND MINE, TASMANIA.

R. L. 1300' LEVEL HORIZON

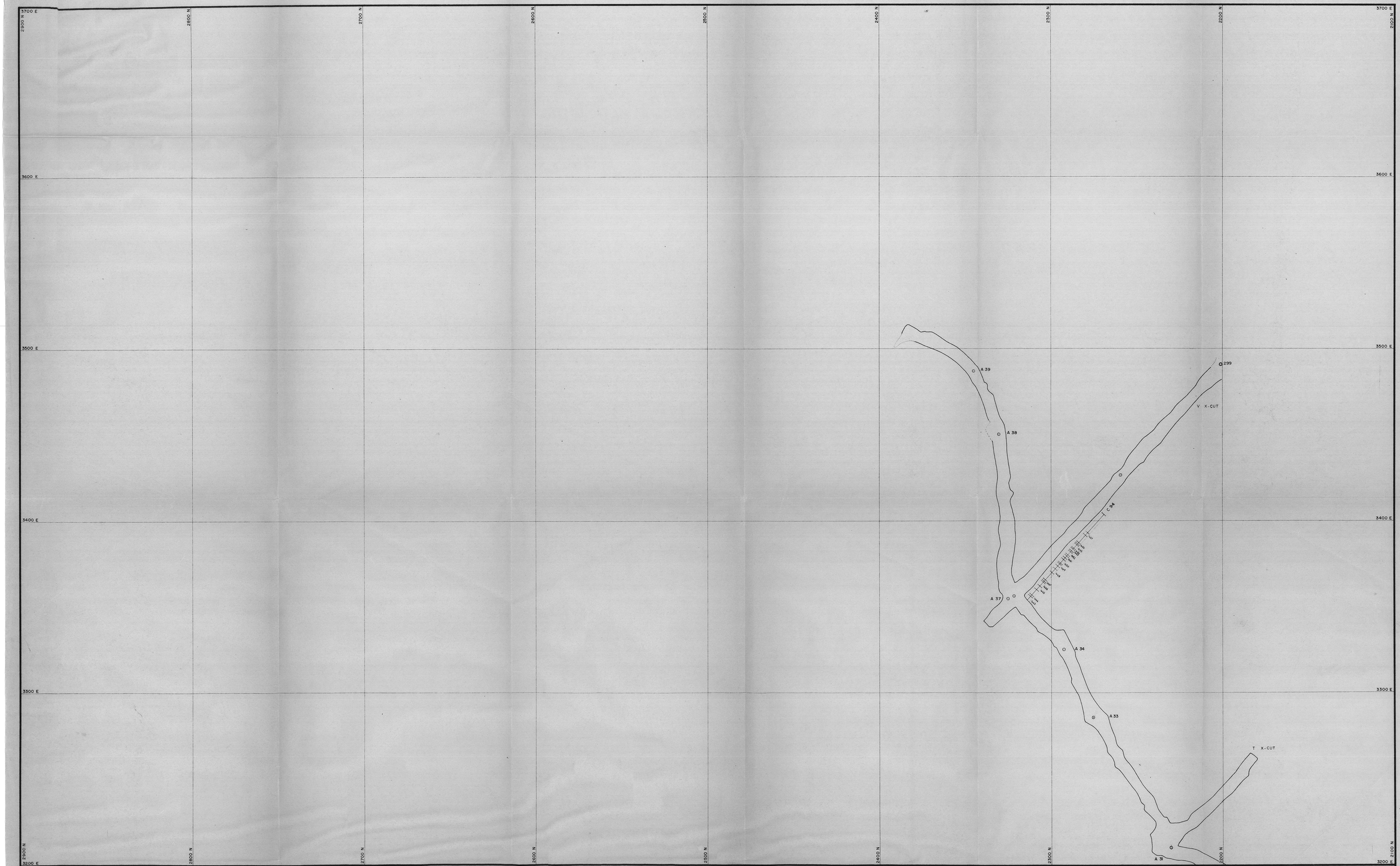
DIAMOND DRILL HOLE SAMPLE LOCATION PLAN

SCALE OF FEET
20 10 0 20 40
5 cm

2143

Drg. No. C-066-G
30 Nov. 1965
R. COX

233024



20 10 0 20 40
SCALE OF FEET

5 cm

CLEVELAND MINE, TASMANIA.

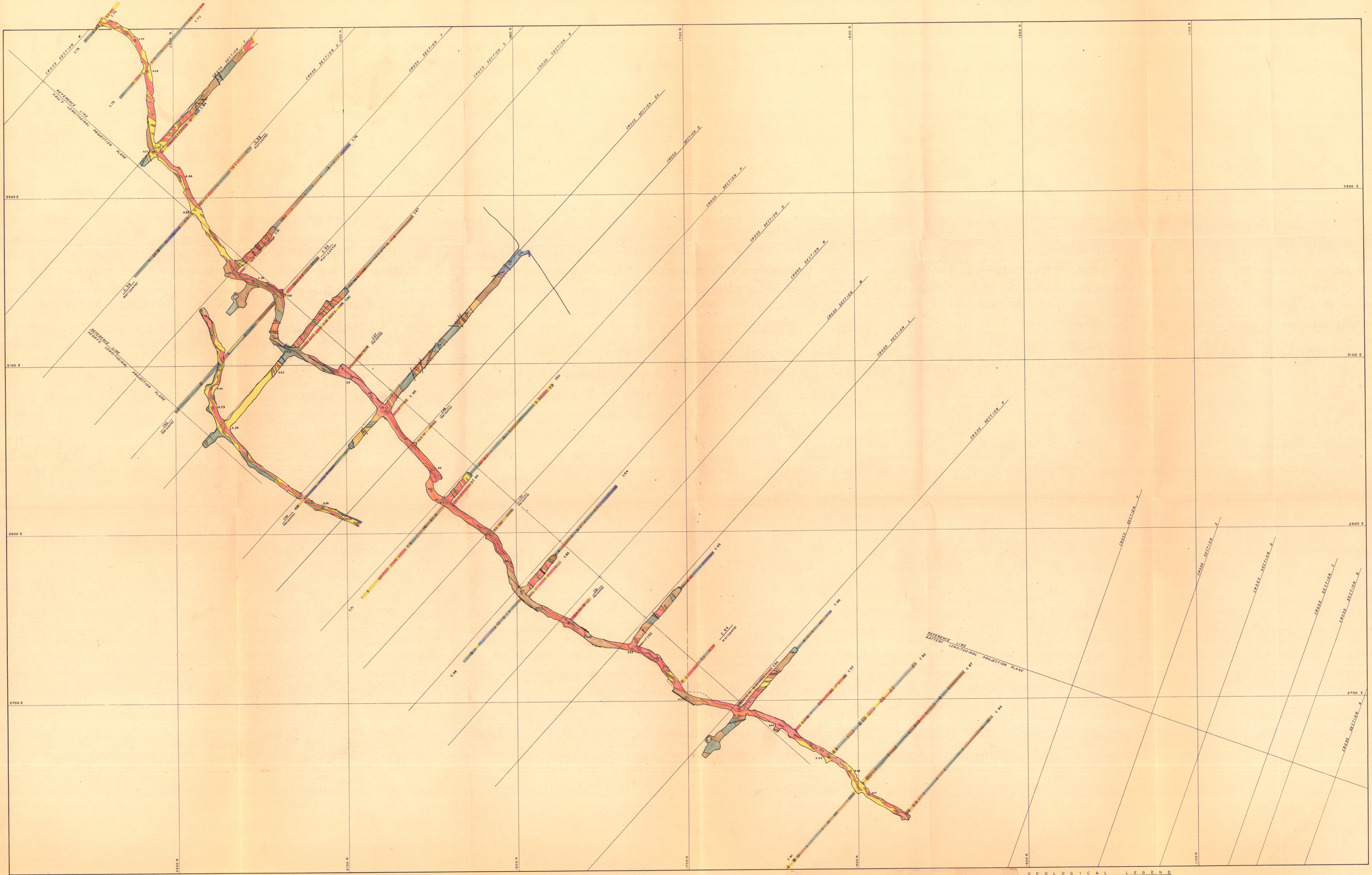
R. L. 1300' LEVEL HORIZON

DIAMOND DRILL HOLE SAMPLE LOCATION PLAN

2144

Drg. No. C-067-G
30 Nov 1965
R COX

233625


CROSS SECTION W
CROSS SECTION V
CROSS SECTION U 1900 N
CROSS SECTION T
CROSS SECTION S 1900 N
CROSS SECTION R
CROSS SECTION Q4
CROSS SECTION Q
CROSS SECTION P
CROSS SECTION O
CROSS SECTION N
CROSS SECTION M
CROSS SECTION L
CROSS SECTION K
CROSS SECTION F
CROSS SECTION E
CROSS SECTION C
CROSS SECTION B
CROSS SECTION A
REFERENCE LINE HALL'S LONGITUDINAL PROJECTION PLANE
REFERENCE LINE BATTERY LONGITUDINAL PROJECTION PLANE
3300 E
3100 E
2900 E
2700 E
2500 N
2300 N
2100 N
1900 N
1700 N
1500 N
1300 N
1100 N
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