

GEOLOGICAL REPORT ON THE
GRAND PRIZE TIN MINE
DUNDAS, TASMANIA

P. J. O'Shea 3/4/71

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GEOLOGICAL REPORT ON THE GRAND PRIZE TIN MINE, DUNDAS, TASMANIA

Geological mapping of the Grand Prize tin mine was carried out during March, 1971, together with detailed sampling, in order to assess the ore-reserves. The mine is approximately one mile north-west of the Razorback tin mine, and may be reached by track either from the main Roseberry Road or from the Razorback mine.

Both the Grand Prize mine and the Razorback mine are at present held under option by Gippsland Minerals N.L. The Grand Prize area consists of two 20-acre leases and one 40 acre lease, and encompasses both the Grand Prize mine and the North Grand Prize workings.

The Grand Prize lode has been emplaced along a N.N.W. trending fault zone within siltstones and breccio-conglomerates assigned to the Middle Cambrian Dundas Group.

TOPOGRAPHY

The Grand Prize is situated on the steep north-west slope of Nevada Creek approximately 1 mile north-west of the Razorback tin mine. The mine itself is in the southern 20-acre lease on the south slope of an un-named hill. The northern 20-acre lease encompasses the summit of the hill, and the 40-acre lease encompasses the North Grand Prize workings on the north slope of the hill.

Elevation above sea-level varies between approximately 950 feet at the North Grand Prize and 1600 feet at the summit of the hill. The mill site at the Grand Prize Mine is at an elevation of 1125 feet above sea level.

Nevada Creek provides a convenient water supply for the Grand Prize Mine. Two small creeks in the 40 acre lease (one along the line of the Grand Prize fault) drain into Melba Creek to the north of the lease area, and both Nevada Creek and Melba Creek flow into the Little Henty River to the west of the lease area.

VEGETATION

The summit of the hill bears rain-forest which affords fairly open ground, also, on the north slope of the hill the ground

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is fairly open where conglomerate outcrops. Thick bush occurs on the more sheltered south slope of the hill, and affords very limited rock outcrop.

PREVIOUS HISTORY

The Grand Prize lode was first prospected for silver-lead about 1890, and the shaft sunk to about 240 feet. No silver-lead was found, but in 1909 the lode was found to contain cassiterite.

The lode was examined by means of trenching and driving between 1927 and 1931, however, no ore-reserves appear to have been calculated at this time. The lode has been worked in a small way between 1937 and the present time, with 15½ tons of concentrates containing 8½ tons of metallic tin being produced between 1941 and 1945. Between 1938 and 1960 concentrates representing 5 tons of metallic tin were recovered. Most of the tin was taken from small rich pockets in the gossan.

Placer Prospecting examined the Grand Prize leases in 1965, and drove Adit No. 4 (south), as well as extending Adit No. 4, Adit No. 5 and Adit No. 6. The only information available to the writer, on Placer's work, is a plan of Adit No. 4 showing assay results.

GEOLOGY

GENERAL GEOLOGY

The country rock in the lease areas consists of siltstones, conglomerates and breccio-conglomerates assigned to the middle Cambrian Dundas Group (Blissett and Gulline, 1960).

The sediments exhibit a regional E-W strike and dip to the south at an average angle of 50°. According to Blissett and Gulline (1960), two formations within the Dundas Group occur in the Grand Prize area, these being the Brewery Junction Slates and the Fernfields Conglomerates.

The contact between these two formations to the west of the Grand Prize fault has been only approximately delineated during the present exploration programme, due to poor exposure. To the east of the Grand Prize fault the contact between the

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two formations is to the south of the lease area and has not been located during this survey. However, the contact to the east of the fault is at least 450 feet south of the contact to the west of the fault, indicating a horizontal movement on the fault of at least 450 feet.

STRATIGRAPHY

(a) Fernfields Conglomerate

This formation consists of purple to dull purple-conglomerates and breccio-conglomerates with minor inter-banded grey and purple siltstones in the lower part. Observed pebble size in the conglomerates and breccio-conglomerates varies between 1/8 inch and 6 inches. Orientation of the pebbles in the plane of bedding is often observed. The pebbles are enclosed in a siltstone-grey-wacke matrix.

(b) Brewery Junction Slate

This formation underlies the Fernfields Conglomerate, and consists of red-brown to grey-green siltstones with frequent bands of grit and breccio-conglomerate in the lower part of the formation within the lease areas. In the lease areas, the Brewery Junction Slate is approximately 2,000 ft. thick.

STRUCTURE

The major structural features of the area were impressed due to the Tabberabberan orogeny in the Devonian. During the orogeny the sediments were folded, cleaved and subjected to low grade regional metamorphism. This was closely followed by a period of major faulting while a secondary period of less severe faulting is thought to have occurred during late Mesozoic-early Tertiary times.

(a) Folding

In the lease areas the sediments exhibit a regional W.S.W. - E.N.E. strike direction, and dip to the south at an average of 50°. Minor variations in strike occur in the area, however, the strike has not been affected by the Grand Prize fault.

(b) Faulting

Tabberabberan Faulting

The Tabberabberan orogeny was followed by a period of major faulting along a N.N.W. trend which, in the Zeehan-Dundas district generally, has been mineralized.

The Grand Prize fault, which strikes N.N.W. - S.S.E. and has been mineralized, belongs to this period of faulting. The fault is a tear fault, and, as has already been stated, exhibits a horizontal movement of at least 450 feet in the southern 20 acre lease area. In the northern 40 acre lease, the fault follows a creek line through the lease.

Minor N.N.W. trending faults to the west of the Grand Prize fault in the 40 acre lease have also been mineralized. In Adit No. 6 a horizontal movement of 40 feet has occurred along one such fault.

Late Mesozoic-Early Tertiary faulting

A minor W.S.W. trending cross-fault has been inferred, 150 feet N.N.W. of Adit No. 1 portal, to account for displacement on the Grand Prize lode at this point. This inferred fault probably belongs to the period of late Mesozoic-early Tertiary faulting.

(b) Cleavage

A regional N.N.W. trending cleavage has been superimposed on the folded sediments. The trend of this cleavage suggests that it was imposed at a similar time to the period of major faulting. To the S.W. of the mill-site the cleavage is seen to be either vertical or dipping sharply to the east.

MINERALIZATION

(a) Grand Prize Lode

The Grand Prize lode has been emplaced along the N.N.W. trending Grand Prize fault, and mineralization has been traced on the surface over a strike length of 2000 feet in the lease areas,

The thickness of the lode, as examined at surface and in adits varies between 2 feet and about 25 feet. The lode strikes at 330° E of N and dips west at an average angle of 85° , with siltstone or breccio-conglomerate as wall rock. Where the lode has been worked in adits, the wall rock is invariably siltstone, which has been indurated and sometimes brecciated for about 1 foot on either side of the lode. Oxidised gossan occurs over a vertical depth of at least 575 feet, i.e. the vertical distance between Craze's adit and the hill summit.

Composition

In the four adits above the mill site, and also in Craze's adit, the lode is seen to consist of red-brown soft to hard, limonitic and haematitic oxidised gossan. Pods and stringers of soft pyritic ore up to 6 inches thick were noted on the hanging wall 150 feet in from the portal of Adit No. 4 (south); however, this is an isolated occurrence.

Tin occurs in the form of fine-grained cassiterite in irregular bunches throughout the lode, a similar situation to that existing at the Razorback mine.

(b) North Grand Prize Workings

In the northern 40 acre lease mineralization occurs along minor faults to the west of the Grand Prize fault (see geological plan), and has been traced in three adits over a strike length of 500 feet. This mineralization may represent one lode displaced by cross-faulting, or three separate en-echelon shoots.

Lode thickness varies between 6 inches and 3 feet. The wall rock varies between breccio-conglomerate and siltstone. The ^{lode} material is oxidised gossan, the same as the Grand Prize Lode.

Patchy gossan outcrops have been exposed by dozing, just to the north of the 40 acre lease.

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SAMPLING

Blissett and Gulline (1960) quote assay figures made available by Rio Tinto Aust. Pty. Ltd. They say "samplings show that, as in the Razorback Mine, cassiterite content is patchy and difficult to assess accurately. The highest assay in Nos. 2, 3 and 4 levels was 0.422%. Values near the present open-cut on the No. 1 level near the shaft range up to 1.73%. Some samples were taken at the surface in trenches and shallow shafts north of the shaft; the highest assayed 1.49% but tin content again was very variable.

Placer Prospecting carried out sampling over the Grand Prize leases, however, most of their results are not available.

Detailed chip sampling has been carried out during the present survey in all adits. Chip samples were generally taken across the lode where chip sampling was carried out along the walls at 5 feet intervals.

Sampling in surface trenches was not carried out during the present survey; however, if results of the adit sampling prove encouraging, the surface trenches will be cleaned out and systematically sampled.

Results of the present sampling programme will be dealt with in a separate report.

PROPOSED FUTURE EXPLORATION

Two diamond drill holes are recommended, in order to investigate the down-dip extension of the Grand Prize Lode and to ascertain at what depth the sulphide zone occurs. The proposed drill-sites are shown on the accompanying geological plan.

Detailed drilling of the lode would necessitate putting holes down from underground drill-chambers as the surface terrain is so rugged.

If the chip sampling assay results prove encouraging, the surface trenches should be cleaned out and systematically sampled.

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GEOLOGIST.

References:

Blissett & Gulline, 1960

Tin Mineralization near
Mt. Razorback, Dundas.

Tasmanian Department of
Mines Technical Reports
No. 5 pp. 136 - 154.

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ASSAY RESULTS RECEIVED FROM SPECTROMETER SERVICES PTY. LTD.GRAND PRIZE LEASE

Sample	Cu	Zn	Pb	Sb	Sn	Ag ozs/ton
Z133	.38	.16	.83	<.01	.02	.30
Z 134	.46	.22	.55	<.01	.01	.08
Z 135	.34	.33	.47	<.01	.03	.18
Z 136	.50	.32	1.50	<.01	.17	.18
Z 137	.10	.52	.52	<.01	.29	.50
Z 138	.12	.46	.83	<.01	.04	.35
Z 139	.12	.40	.86	<.01	.07	.14
Z 140	.08	.36	.66	<.01	.27	.12
Z 141	.25	.52	.77	<.01	.34	.13
Z 142	.11	.47	.44	<.01	.02	.26
Z 143	.10	.22	.10	<.01	.07	.07
Z 144	.25	.02	.03	<.01	.37	.34
Z 145	.08	.03	.05	<.01	.35	.64
Z 146	.15	.20	.75	<.01	1.42	.42
Z 147	.34	.12	.82	<.01	.16	.13
Z 148	.54	.21	2.10	<.01	.08	.30
Z 149	.16	.11	.66	<.01	.17	.13
Z 150	.52	.23	1.71	<.01	.17	.25
Z 151	.67	.22	1.20	<.01	.16	.10
Z 152	.70	.16	.90	<.01	.12	.09
Z 153	.60	.18	1.10	<.01	.12	.08
Z 154	.55	.15	.84	<.01	.40	.08
Z 155	.70	.14	1.27	<.01	.40	.17
Z 156	.68	.11	1.10	<.01	.17	.16
Z 157	.42	.06	1.24	<.01	.11	.36
Z 158	.93	.24	2.15	<.01	.28	.18
Z 159	.22	.16	.74	<.01	.05	.09
Z 160	.14	.15	.29	<.01	.23	.09
Z 161	.12	.13	.45	<.01	.05	.12
Z 162	.05	.34	.28	<.01	.10	.18
Z 163	.29	.09	.52	<.01	.12	.75
Z 164	.08	.18	.17	<.01	.06	.26
Z 165	.28	.68	1.14	<.01	.06	.16
Z 166	.16	.50	1.05	<.01	.05	.14
Z 167	.14	.51	1.08	<.01	.05	.11
Z 168	.12	.46	.62	<.01	.04	.18
Z169	.13	.55	.69	<.01	.05	.13
Z 170	.16	.54	.61	<.01	.04	.09

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Sample	Cu	Zn	Pb	Sb	Sn	Ag ozs/ton
Z 171	.12	.40	.38	<.01	.04	.12
Z 173	.10	.35	.17	<.01	.03	.05
Z 174	.11	.58	.44	<.01	.04	.10
Z 175	.35	.39	.97	<.01	.12	.19
Z 176	.38	.24	1.10	<.01	.40	.07
Z 177	.44	.16	.68	<.01	.06	.08
Z 178	.12	.36	.28	<.01	.04	.12
Z 179	.10	.37	.30	<.01	.04	.09
Z 180	.14	.47	.20	<.01	.27	.07
Z 181	.13	.41	.40	<.01	.09	.15
Z 182	.14	.55	.38	<.01	.06	.16
Z 183	.12	.46	.41	<.01	.17	.12
Z 184	.11	.44	.84	<.01	.10	.08
Z 185 A	.10	.46	.33	<.01	.03	.10
Z 185 B	.29	.46	.66	<.01	.02	.31
Z 186	.35	.29	.98	<.01	.12	.10
Z 187	.25	.67	.57	<.01	.07	.11
Z 188	.23	.44	.52	<.01	.06	.14
Z 189	.46	.46	2.10	<.01	.08	.14
Z 190	.35	.07	.88	<.01	.17	.08
Z 191	.45	.22	1.06	<.01	.03	.09
Z 193	.35	.21	.79	<.01	.07	.09
Z 194	.23	.13	.25	<.01	.04	.22
Z 195	.51	.35	1.02	<.01	.05	.26
Z 196	.31	.12	.77	<.01	.07	.17
Z 197	.21	.09	1.04	<.01	.07	.09
Z 198	.29	.01	.91	<.01	.12	.12
Z 199	.46	.02	.70	<.01	.12	.07
Z 200	.35	.13	.37	<.01	.08	.20
Z 201	.25	.16	.22	<.01	.07	.10
Z 202	.44	.36	2.00	<.01	.25	.11
Z 203	.38	.28	1.02	<.01	.20	.11
Z 204	.26	.19	.52	<.01	.08	.13
Z 205	.10	.08	.18	<.01	.07	.29
Z 206	.26	.20	.74	<.01	.05	.30
Z 207	.28	.22	.59	<.01	.05	.08
Z 208	.34	.14	.66	<.01	.12	.05
Z 209	.20	.06	.45	<.01	.08	.03
Z 210	.32	.13	.90	<.01	.07	.07
Z 211	.10	.24	.28	<.01	.07	.28

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Sample	Cu	Zn	Pb	Sb	Sn	Ag ozs/ton
Z 212	.21	.02	.36	<.01	.42	.13
Z 213	.50	.10	.83	<.01	.30	.08
Z 214	.39	.12	.46	<.01	.11	.08
Z 215	.42	.07	.70	<.01	.05	.03
Z 216	.35	.08	.81	<.01	.75	.07
Z 217	.33	.06	.90	<.01	.36	.04
Z 218	.44	.08	2.10	<.01	.22	.13
Z 219	.55	.17	2.75	<.01	.21	.07
Z 220	.45	.16	2.25	<.01	.05	.07
Z 221	.38	.23	2.30	<.01	.26	.08
Z 222	.10	.32	.18	<.01	.01	.03
Z 223	.13	.38	.25	<.01	.02	.02
Z 224	.14	.64	.43	<.01	.17	.09
Z 225	.18	.58	.27	<.01	.05	.13
Z 226	.30	.54	1.00	<.01	.21	.12
Z 227	.26	.63	.56	<.01	.20	.05
Z 228	.23	.50	.59	<.01	.16	.07
Z 229	.17	1.30	.52	<.01	.06	.07
Z 230	.05	.28	.13	<.01	.02	.04
Z 231	.12	.64	.63	<.01	.03	.11
Z 232	.23	.94	.65	<.01	.10	.10
Z 233	.30	.66	.82	<.01	.20	.02
Z 234	.16	.78	.51	<.01	.08	.08
Z 235	.18	.49	.37	<.01	.11	.02
Z 236	.07	.37	.10	<.01	.06	.08
Z 237	.14	.87	.55	<.01	.06	.10
Z 238	.28	.96	.30	<.01	.08	.11
Z 239	.36	.17	.61	<.01	.02	.10
Z 240	.18	.80	.52	<.01	.05	.14
Z 241	.28	.43	.70	<.01	.01	.08
Z 242	.42	.31	.52	<.01	.01	.07
Z 243	.35	.42	.63	<.01	.02	.12
Z 244	.37	.52	.81	<.01	.02	.10
Z 245	.24	.47	.90	<.01	.11	.65
Z 246	.37	.38	1.03	<.01	.09	.12
Z 247	.10	.07	.28	<.01	.08	.18
Z 248	.13	.72	.16	<.01	.05	.05
Z 249	.13	.81	.27	<.01	.59	.05
Z 250	.12	.76	.56	<.01	.05	.04
Z 251	.12	.45	.13	<.01	.07	.13
Z 252	.10	.43	.13	<.01	.06	.09

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Sample	Cu	Zn	Pb	Sb	Sn	Ag ozs/ton
Z 253	.19	.49	.44	<.01	.05	.11
Z 254	.20	.43	.65	<.01	.10	.07
Z 255	.07	.38	.26	<.01	.13	.12
Z 256	.12	.26	.17	<.01	.12	.05
Z 257	.08	.17	.15	<.01	.06	.04
Z 258	.09	.23	.13	<.01	.05	.06
Z 259	.35	.17	1.65	<.01	.41	.04
Z 260	.31	.18	1.80	<.01	.39	.05
Z 261	.06	.21	.25	<.01	.01	.04
Z 262	.07	.29	.18	<.01	.03	.05
Z 263	.12	.23	.12	<.01	.02	.04
Z 264	.05	.01	.12	<.01	.13	.03
Z 265	.16	.05	.26	<.01	.28	.15
Z 266	.06	.03	.07	<.01	.22	.09
Z 267	.11	.05	.47	<.01	.10	.04
Z 268	.23	.11	.47	<.01	.09	.02
Z 269	.16	.08	.90	<.01	.05	.07
Z 270	.23	.07	2.45	<.01	.03	.04
Z 271	.27	.09	1.35	<.01	.08	.04
Z 272	.30	.07	.76	<.01	.12	.07
Z 273	.34	.08	1.60	<.01	.40	.07
Z 274	.26	.26	.95	<.01	.38	.04
Z 275	.18	.07	1.70	<.01	.10	.05
Z 276	.20	.04	.31	<.01	.24	
Z 277	.22	.17	1.15	<.01	.56	.06
Z 278	.23	.23	1.55	<.01	.21	.05
Z 279	.10	.03	.20	<.01	.10	.06
Z 280	.14	.08	.34	<.01	.12	.08
Z 281	.24	.11	1.05	<.01	.18	.04
Z 282	.27	.12	3.75	<.01	1.26	.04
Z 283	.29	.01	3.10	<.01	.15	.04
Z 284	.26	.02	3.55	<.01	.30	.02
Z 285	.24	.07	1.75	<.01	.21	.05
Z 286	.11	.02	.86	<.01	.03	.06
Z 287	.12	.07	.80	<.01	.02	.07
Z 288	.03	.31	2.20	<.01	.46	.17
Z 289	.03	.70	2.05	<.01	.38	.30
Z 290	.03	.61	3.00	<.01	.05	.27
Z 291	.02	.02	1.10	<.01	2.55	.27

GEOLOGICAL CORE LOG

879013

DIAMOND DRILL HOLE NO. GP.1

BEARING: 62° MAGNETIC

INCLINATION: 74°

FROM	TO	RECOVERY	DESCRIPTION
0'	10'	3' 6"	Filling
10'	23'	8' 6"	Interbedded brown greywacke and conglomerate, beds dip at 55°. Conglomerate particles range in size from 1/8" - 1 1/4" diameter, and vary in colour between red, green, black and brown. Beds moderately to highly weathered.
23'	29'	5' 3"	Grey siltstone, minor brown greywacke beds. Beds dip at 55°-58°.
29'	45'	9'	Grey siltstone, minor brown greywacke and conglomerate beds. Beds dip at 55°-60°, cleavage dips at 70° oblique to bedding.
45'	62'	14'	Interbedded greywacke and conglomerate, blue-grey to brown in colour, minor grey siltstone, beds dip at 55°-60°. Dominant joints dip at 70°, beds moderately weathered.
62'	87'	24'	Interbedded grey-purple siltstone, blue-grey greywacke and greywacke-conglomerate. Beds dip at 55°-60°.
97' 9"	132' 6"	28'	Grey siltstone (some beds yellow-ochre, Fe stained) with minor grey-buff greywacke beds. Beds dip at 55°-60°. Core broken up from 107'-111' 6" and from 119'-125'
132' 6"	155' 6"	20'	Interbedded grey to buff siltstone and greywacke. Beds dip at between 55° and 60°. Fe-staining noticeable on joint planes, beds very Fe-stained from 151' - 155' 6", poor recovery between 150' 9" and 155' 6".
155' 6"	163'	6"	Red-brown soft gossan, occasional hard lumps of gossan. Very poor core-recovery. Sludge sample collected.
163'	174' 6"	4' 6"	Soft grey clay-decomposed siltstone, occasional bands with FeS ₂ specks. No recovery between 173' and 174' 6".
174' 6"	176'	1' 6"	Weathered massive pyrite, well jointed.
176'	185'	9'	Dark grey fresh siltstone, minor greywacke-conglomerate. Beds dip at 60°. Occasional blebs and veins 1/16" - 1/8" thick of FeS ₂ , 10" of FeS ₂ veining in siltstone at 180' 6", veins conformable with bedding.
			TOTAL DEPTH 185'

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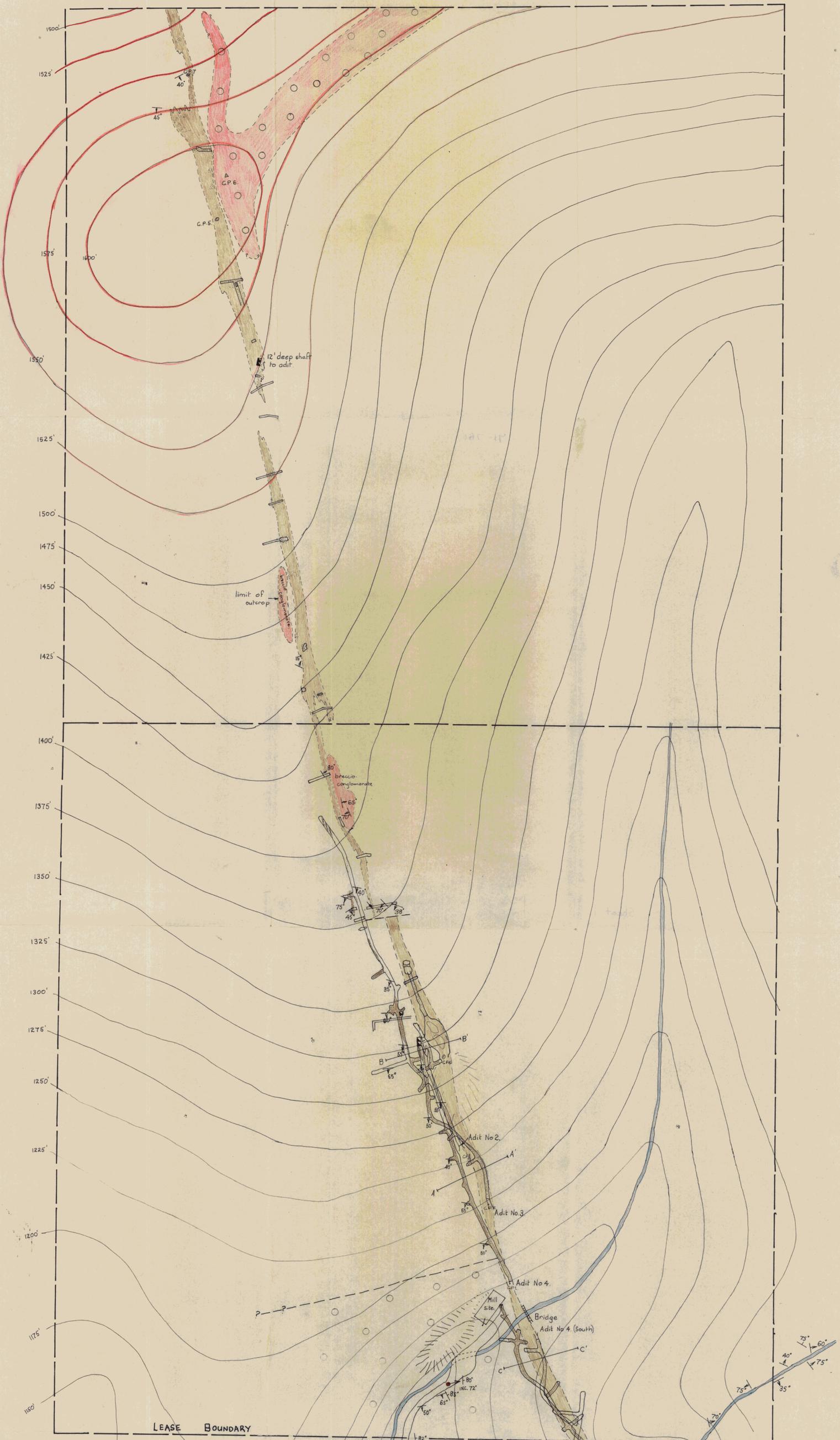
ASSAY RESULTS FOR "GRAND PRIZE" 1.

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SAMPLE	Cu	Zn	Pb	Ni	Sn	Ag
155'6"-159'	.12	1.00	.22	<.01	.01	
159' - 163'	.07	1.08	.45	<.01	.01	
155'6"-163'	.27	.59	.35	<.01	.03	
163' - 166'	.55	.24	.63	.01	.04	
166' - 167'	.65	.14	.62	<.01	.04	
167' - 168'	.04	.13	.75	<.01	.08	
168' - 172'	.18	.20	1.90	<.01	.08	
172' - 173'	.48	.13	.78	<.01	.06	
174' - 175'	1.04	.13	.09	<.01	.08	
175' - 176'	1.05	.02	.07	<.01	.08	
176' - 177'	.29	.21	.02	<.01	.08	
177' - 178'	.09	.21	.01	<.01	.08	
178' - 179'	.07	.14	.01	<.01	.07	
179' - 180'	.15	.12	.01	<.01	.06	
180' - 181'	.35	.14	.01	<.01	.07	
181' - 182	.26	.15	.01	<.01	.07	

Sheets in envelope

1. Grand prize leases - Dundas Tas
2. ✓ ✓ ✓ ✓ ✓
3. Untitled Adit 1
4. Grand prize mine - Dundas, Tas Adit 2
5. ✓ ✓ ✓ ✓ ✓ Adit 3
6. ✓ ✓ ✓ ✓ ✓ Adit 4
7. Untitled. Adit 4a.
8. ✓ Adit 5
9. Grand prize mine - Dundas Tas. North Grand prize workings Adit 6
10. Untitled. Adit 7 + 8
11. Grand prize leases - Dundas Tas Cross Section A, B + C



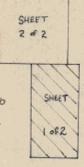
LEGEND

- Gossanous Lode; red-brown, soft to hard, limonitic and hematitic oxidised lode material.
- Fernfields Conglomerate; purple to dull purple-green conglomerate and breccio-conglomerate, minor interbedded siltstone.
- Brewery Junction Slate; red-brown to grey-green siltstone with grit and breccio-conglomerate bands in the lower part.
- Proposed drill site
- Geological boundary
- Fault
- Fault inferred
- Dip and strike of bedding
- Dip and strike of cleavage
- Vertical cleavage
- Underground workings
- Trench
- 25' contour interval
- Rice
- Shaft

Scale: 1" to 50'



INDEX TO SHEETS



879015

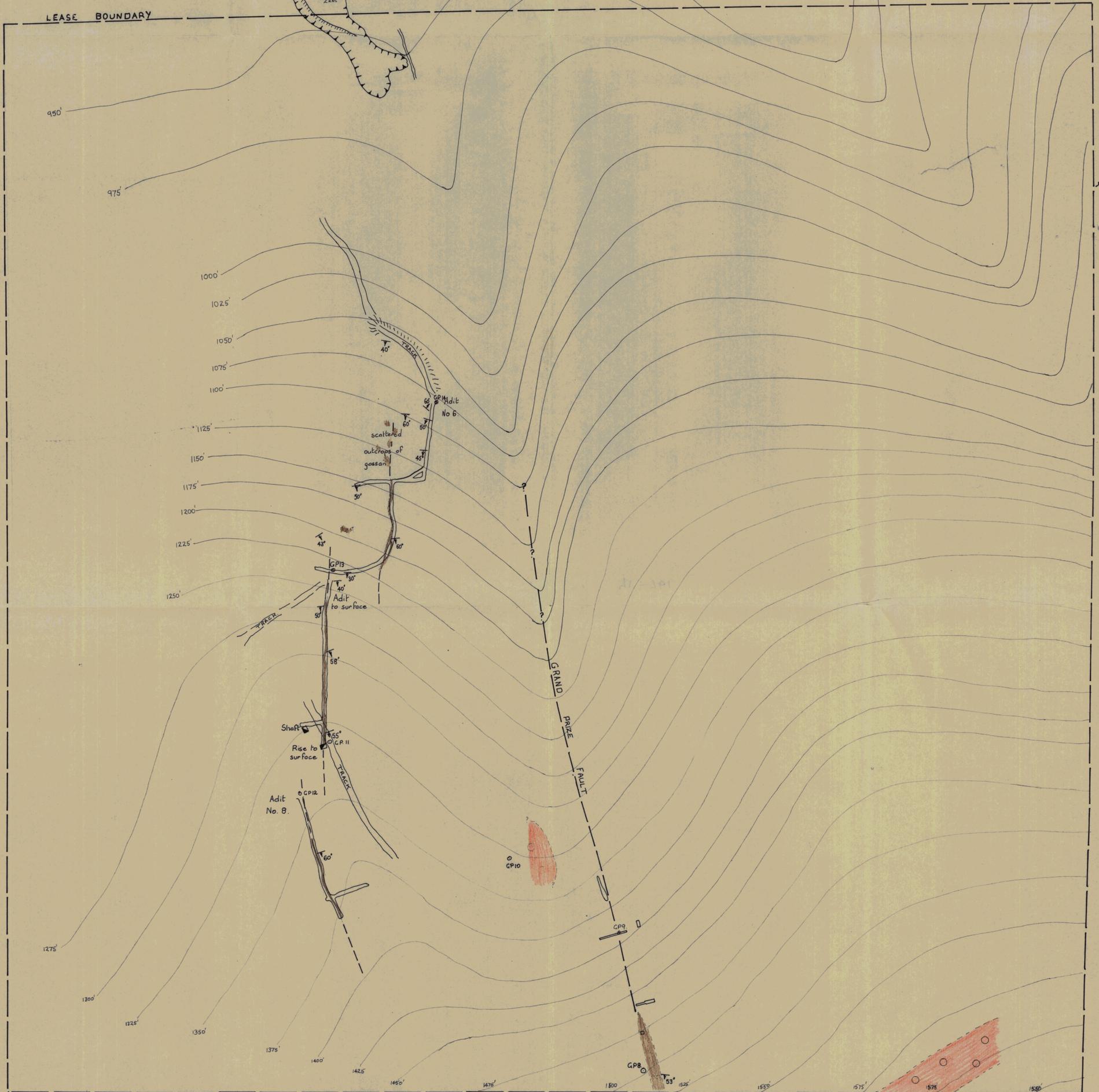
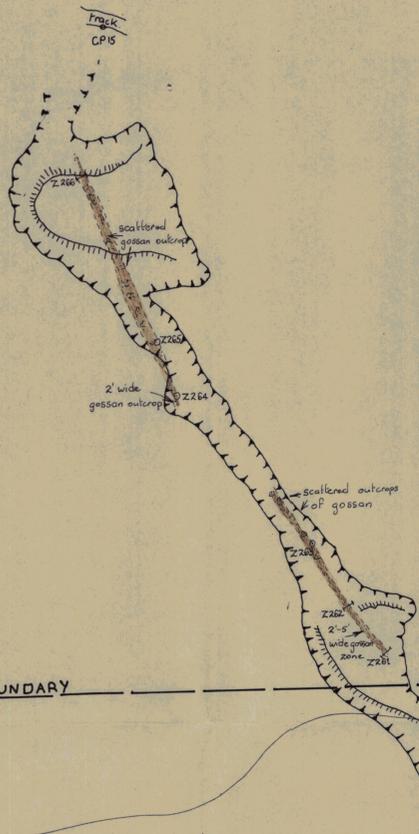
GIPPSLAND MINERALS N.L.

GRAND PRIZE LEASES

OUNDAS
TASMANIA

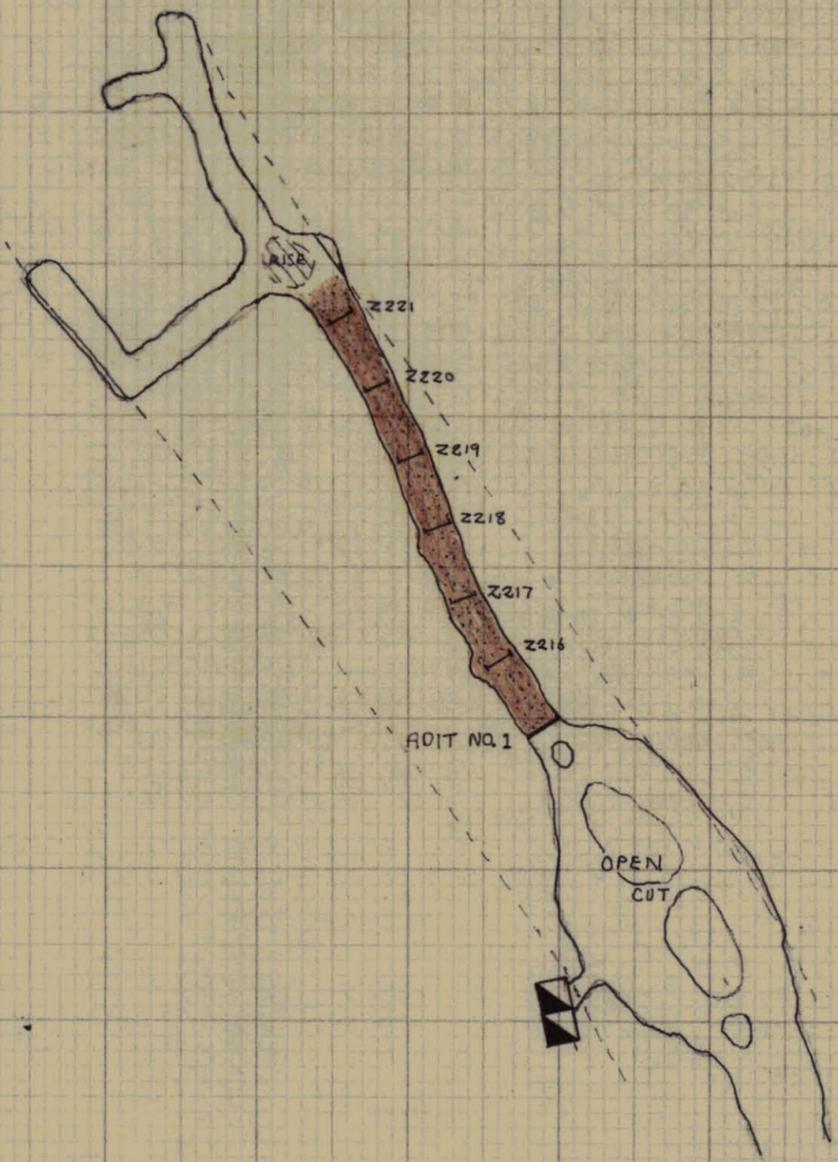
Sheet 1

Drawn	P. J. O'Shea	26.3.71
Traced	D.R.B.	July 71.



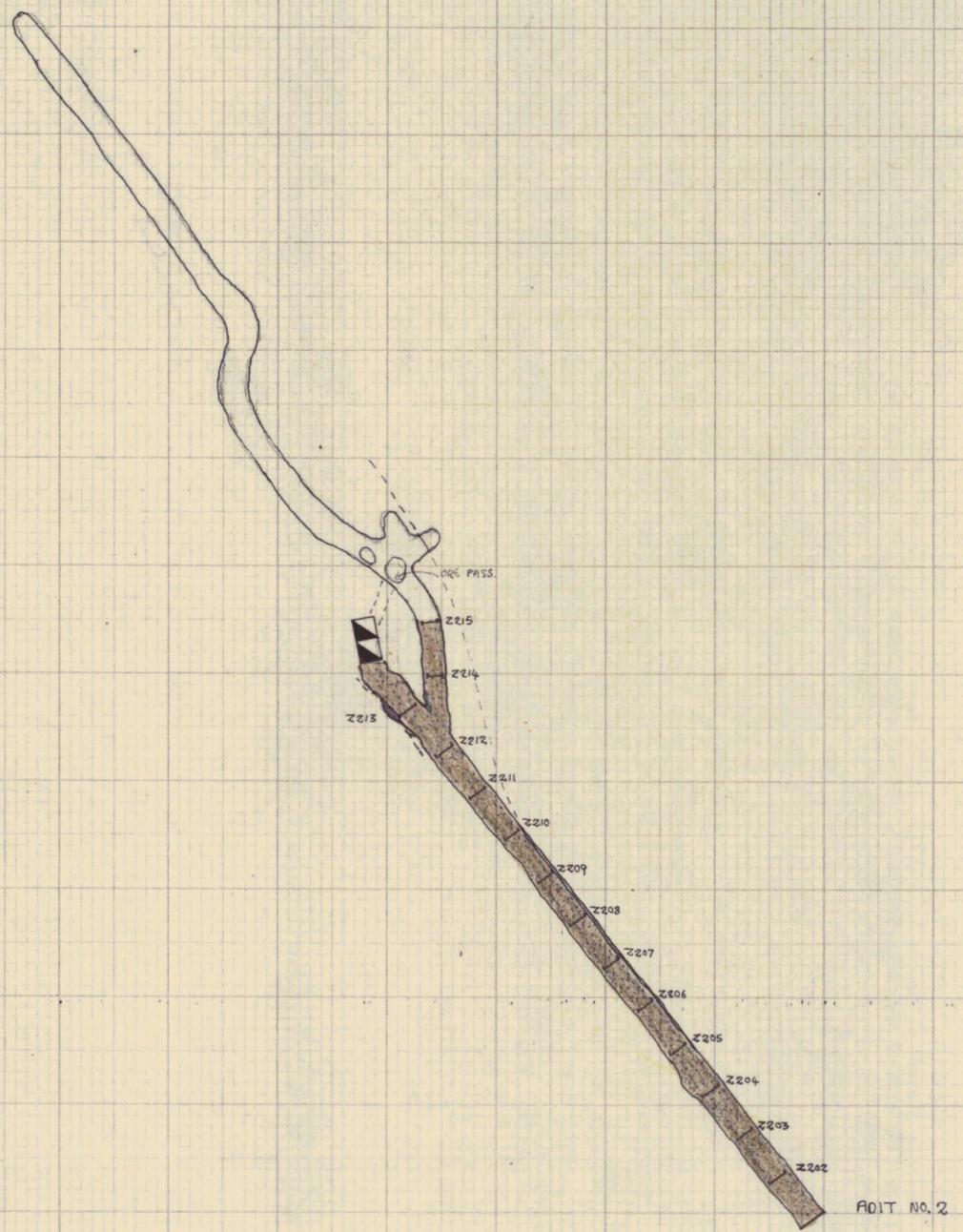
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GIPPSLAND MINERALS N.L.

GRAND PRIZE MINE,
DUNDAS, TASMANIA.

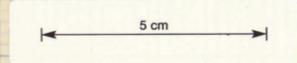
DRAWN	P. J. O'SHEA	17-3-71.
TRACED		
CHECKED		

LEGEND

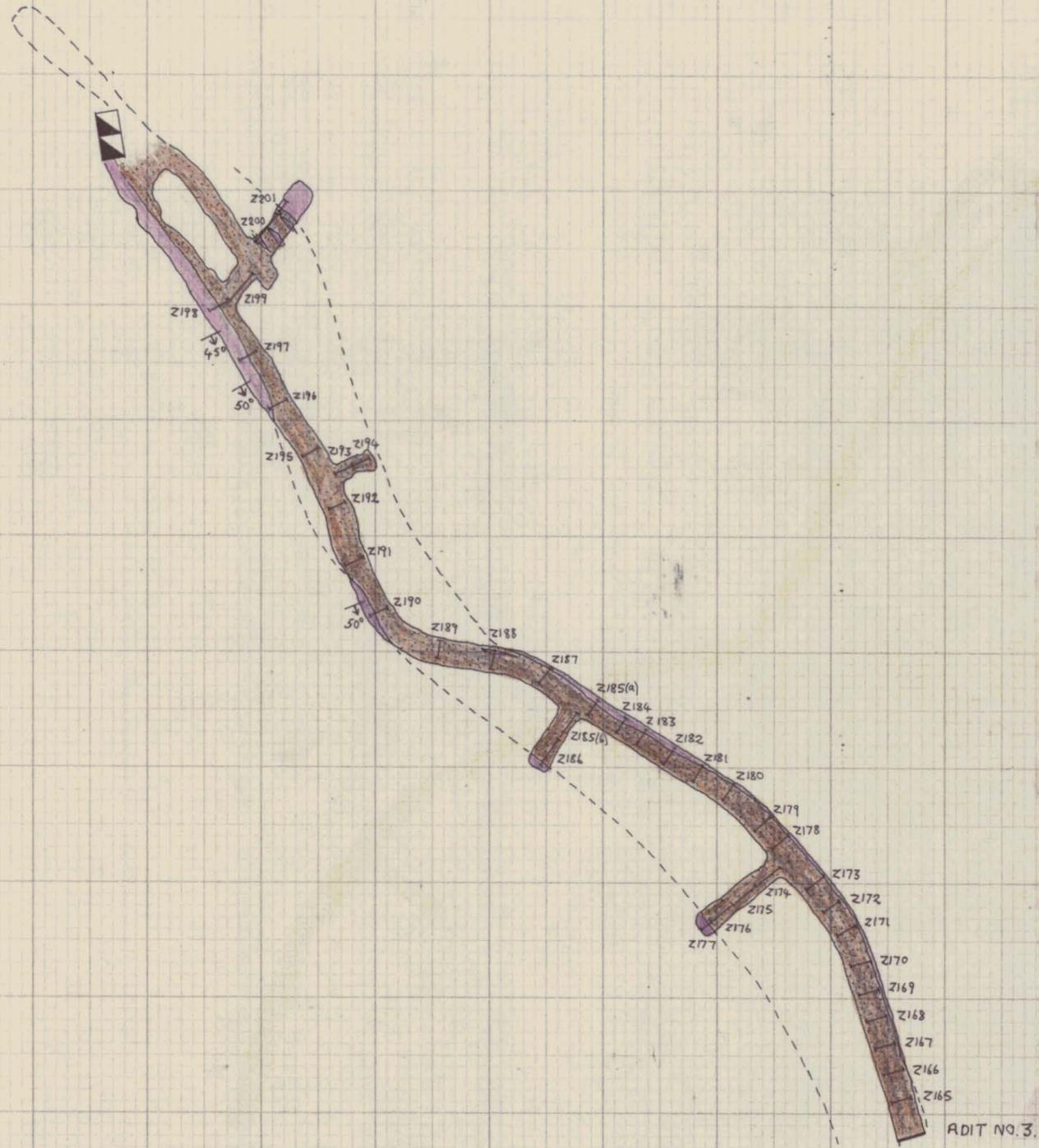
- Grey to buff-brown siltstones, indurated and brecciated in proximity of gasanous lode.
- Gasanous lode material; red-brown limonitic and haematitic lode, soft to hard.
- Z230 Chip sample.
- Dip and Strike of bedding.
- Shaft
- Definite geological contact.
- Inferred geological contact.

SCALE : 20 FT. = 1 INCH.

879018



015



GIPPSLAND MINERALS N.L.
GRAND PRIZE MINE,
DUNDAS, TASMANIA

DRAWN BY P. J. OSHEA 13-3-71.
 CHECKED BY

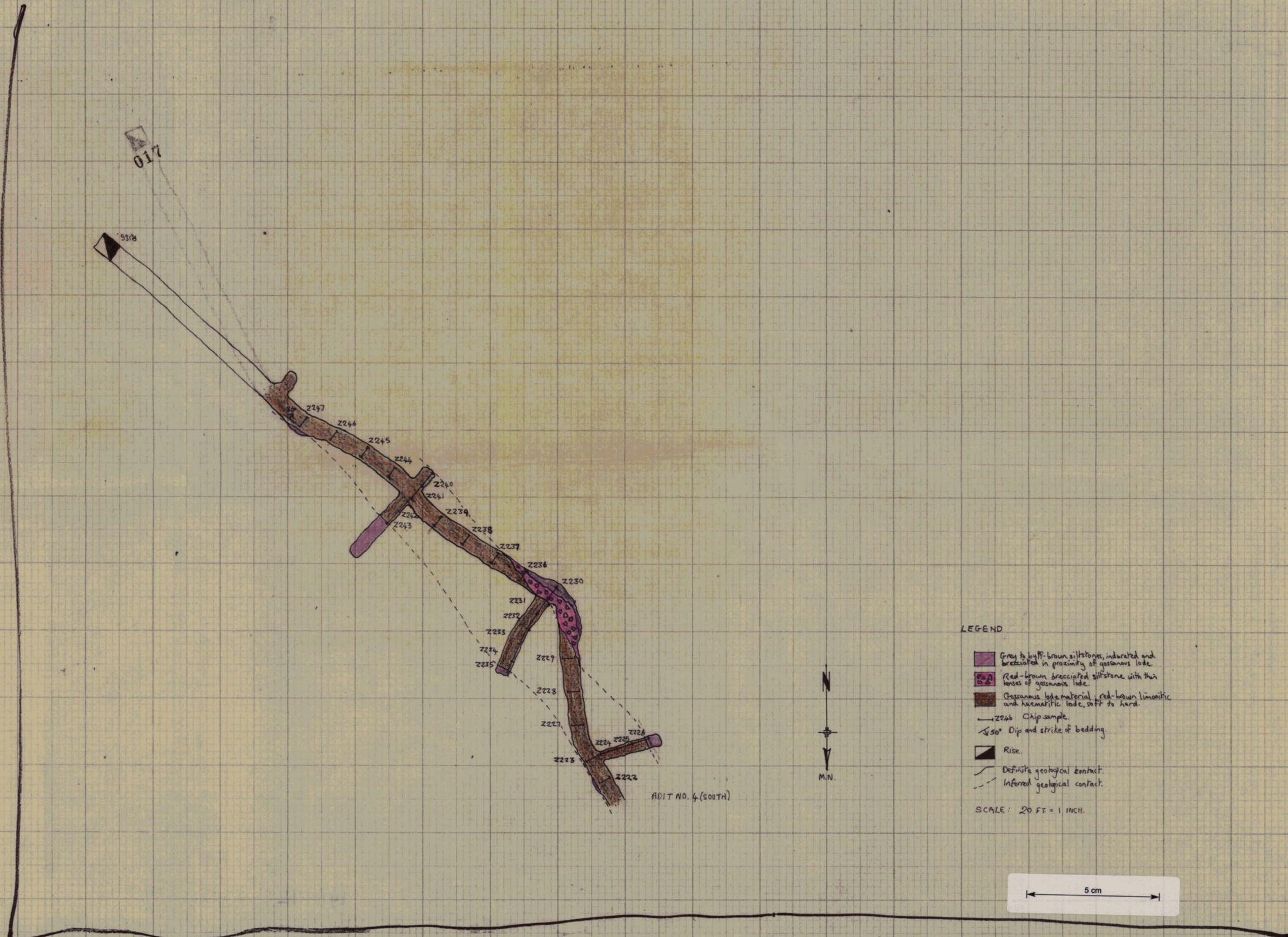
LEGEND

- Greatly buff-brown siltstones, sandstones and shales in proximity of granitic gneiss
- Gipsland ls. matrix, red-brown limonitic and haematitic ls. soft to hard
- Z177 Chip sample
- Dip and Strike of bedding
- Shaft
- Definite Geological Contact
- Inferred Geological Contact

SCALE: 20 FT = 1 INCH

5 cm

ADIT NO. 3.



LEGEND

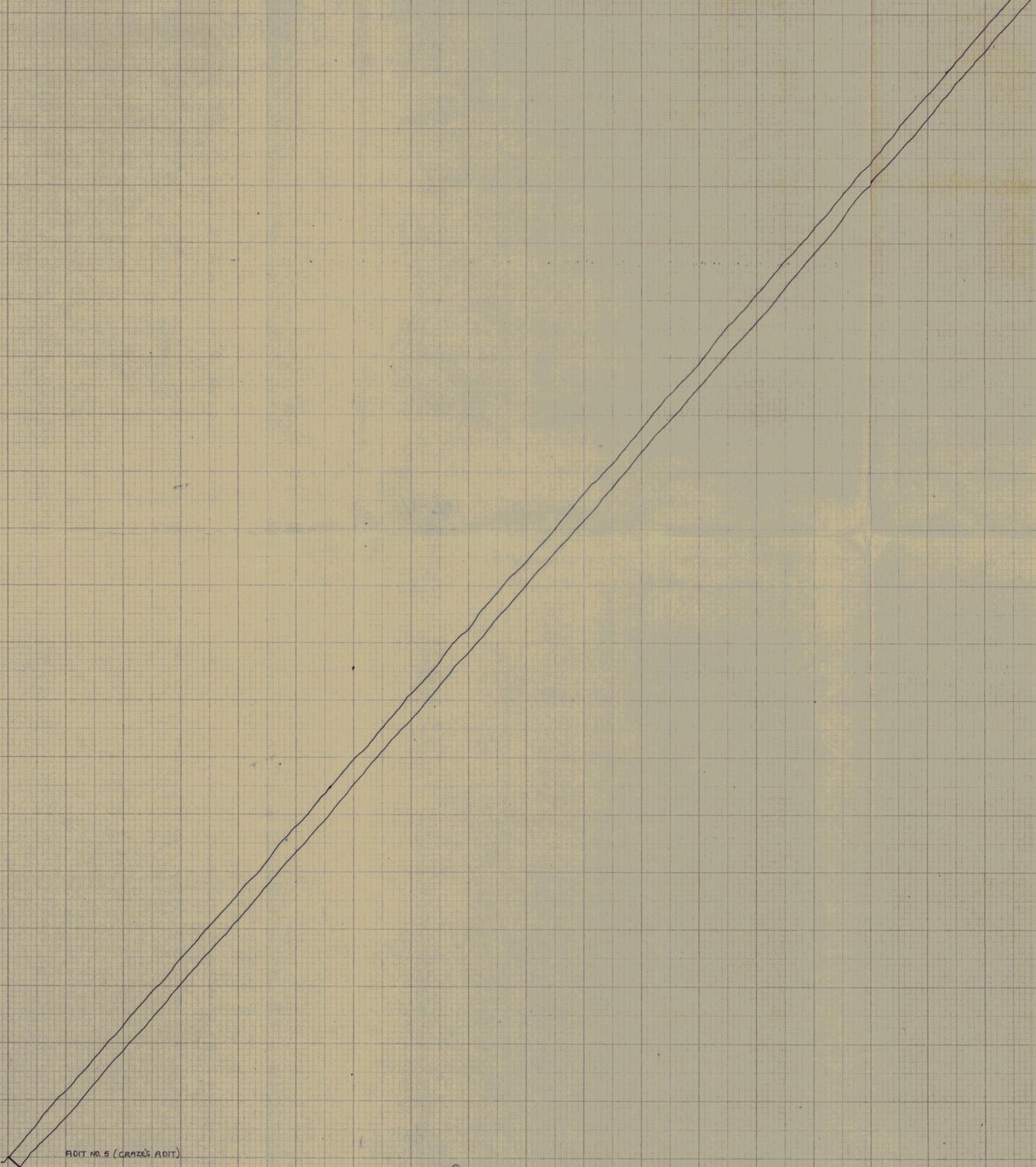
- Gray to buff-brown siltstones, indurated and brecciated in proximity of gossanous lode.
- Red-brown brecciated siltstone with thin lenses of gossanous lode.
- Gossanous lode material, red-brown limonitic and haematitic lode, soft to hard.
- Chip sample.
- 50° Dip and strike of bedding.
- Rise.
- Definite geological contact.
- Inferred geological contact.

SCALE: 20 FT = 1 INCH.

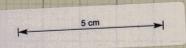
5 cm

ADIT NO. 4 (SOUTH)

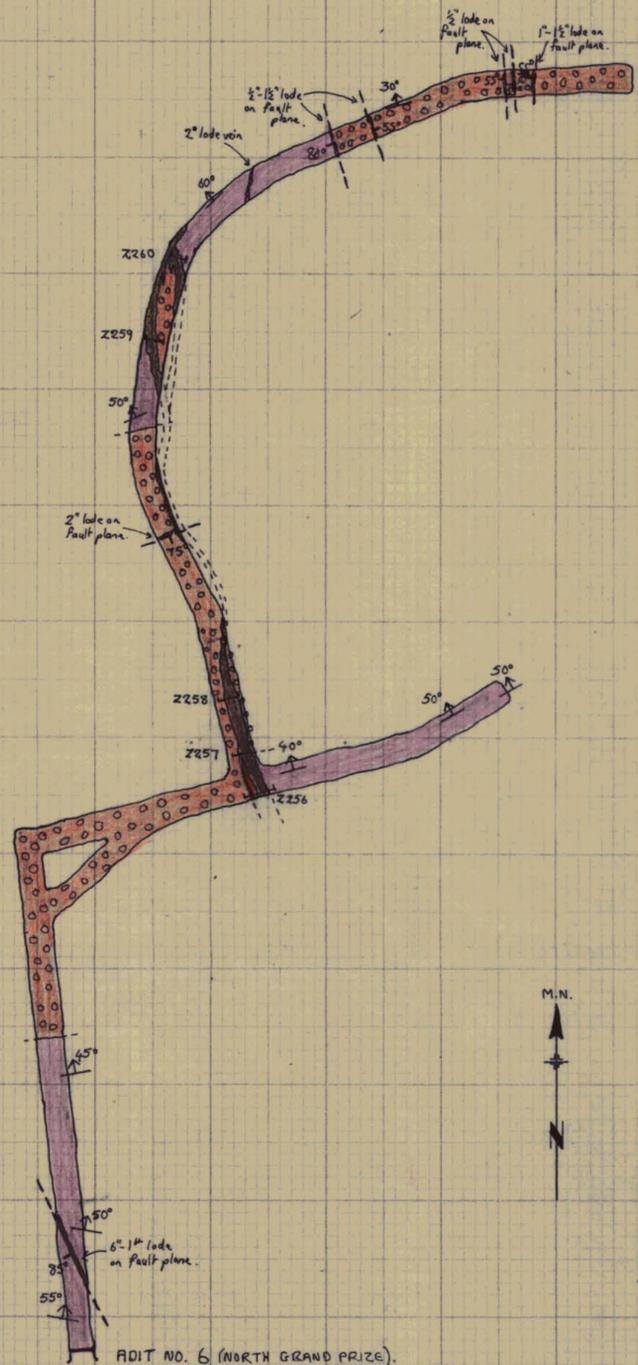
018



FOIT NO. 5 (GRAZES ADIT)



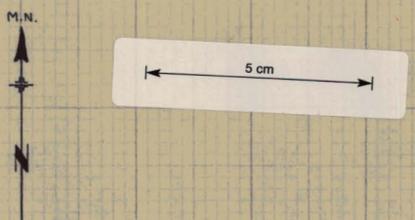
019



GIPPSLAND MINERALS N.L.
 GRAND PRIZE MINE,
 DUNDAS.
 NORTH GRAND PRIZE WORKINGS

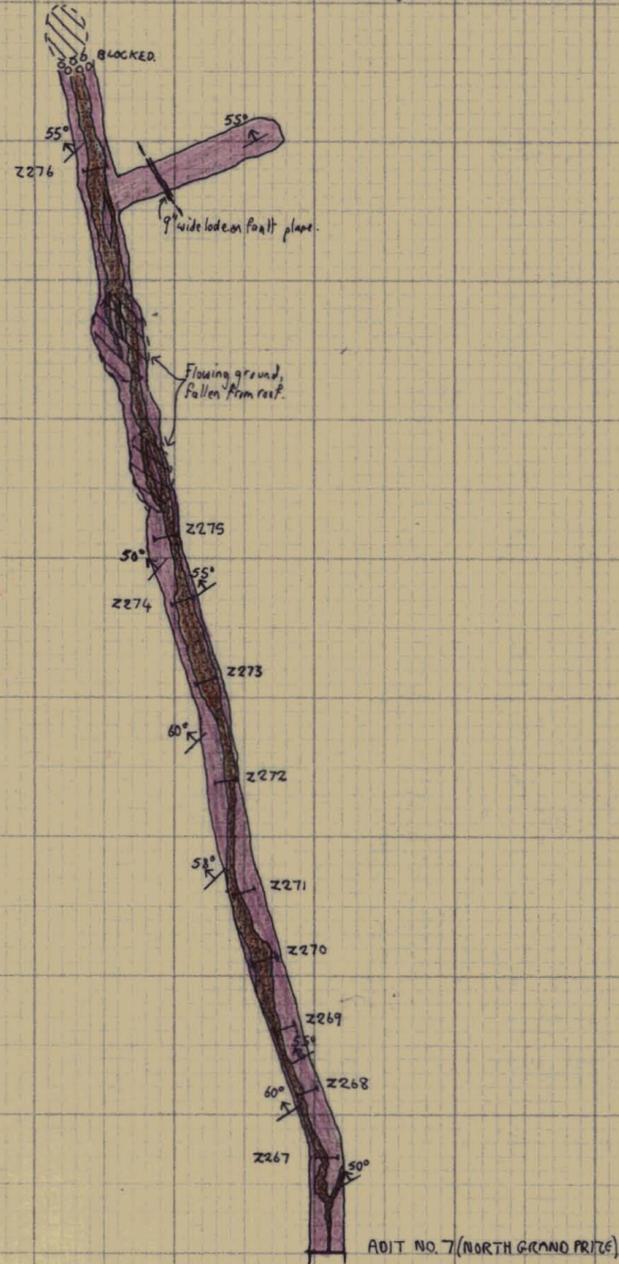
DRAWN.	P.J. O'SHEA 21.3.71
TRACED	
CHECKED	

- LEGEND
- Grey to buff siltstone, indurated in proximity of gossanous lode.
 - Grey to purple conglomerate and breccia-conglomerate, minor siltstone bands.
 - Gossanous lode material; red-brown limonitic and haematitic lode, soft to hard.
 - Z259 Chip sample.
 - Dip and strike of bedding.
 - Fault plane showing dip.
 - Definite geological contact.
 - Inferred geological contact.
- SCALE: 40 FT. = 1 INCH.



ADIT NO. 6 (NORTH GRAND PRIZE).

020



LEGEND

- Gray to buff siltstone, indurated in proximity of lode.
- Gossanous lode material; red-brown limonitic and haematitic gossan, soft to hard.
- Z275 Chip sample
- Dip and Strike of bedding.
- Area of flowing ground, fallen from roof.
- Definite geological contact
- Inferred geological contact
- Fault plane.

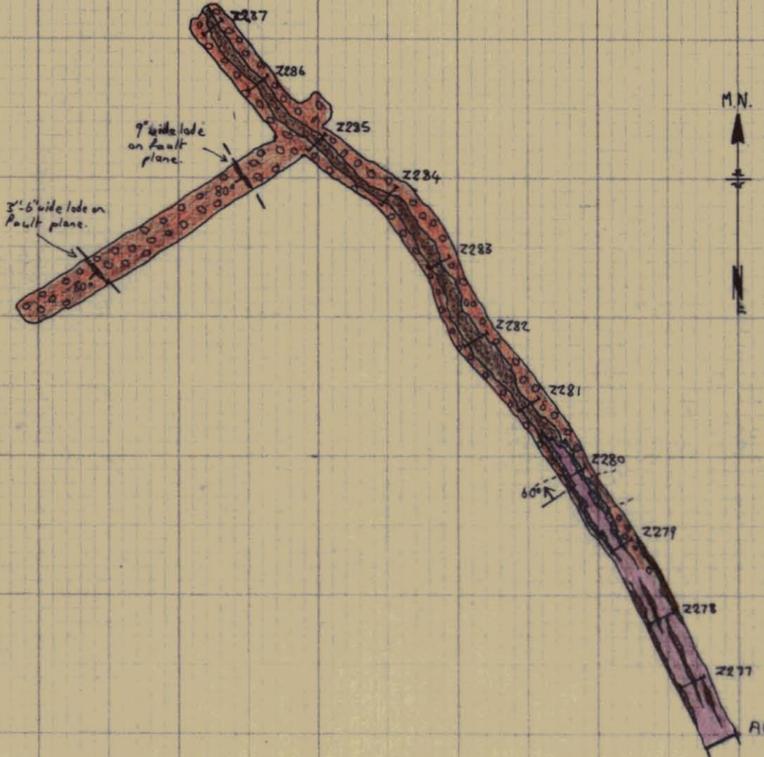


5 cm

ADIT NO. 7 (NORTH GRAND PRIZE)

LEGEND

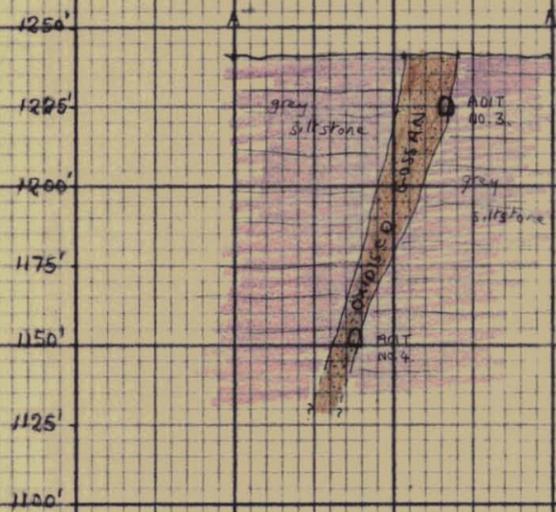
- Gray to buff siltstone, indurated in proximity of lode.
- Gray-green to purple conglomerate, breccia-conglomerate and occasional siltstone bands.
- Gossanous lode material; red-brown limonitic and haematitic gossan, soft to hard.
- Z285 Chip sample
- Dip and Strike of bedding.
- Definite geological contact.
- Inferred geological contact.
- Fault plane showing dip.



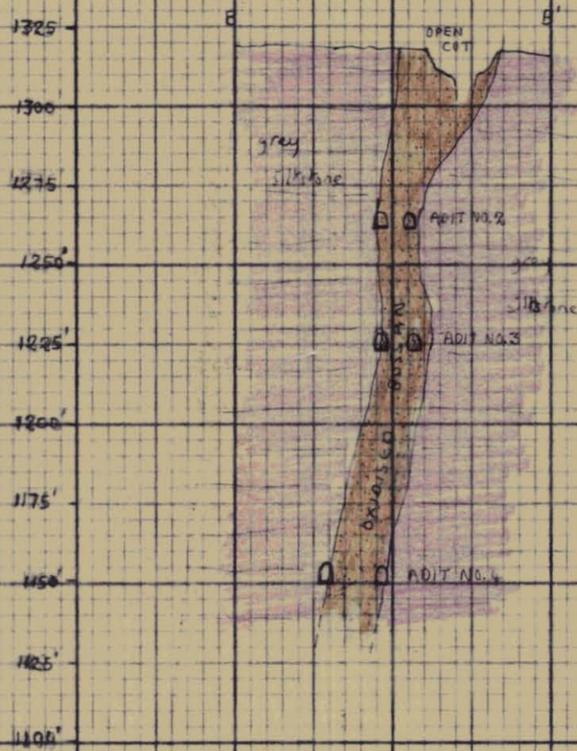
ADIT NO. 8 (NORTH GRAND PRIZE)

879024

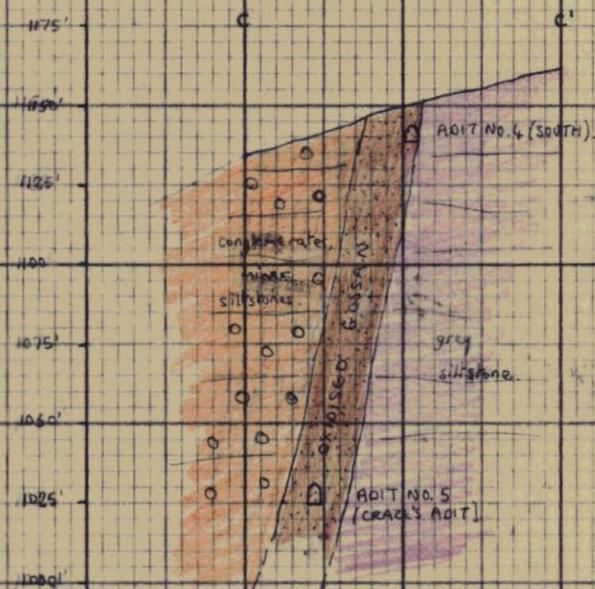
021



CROSS SECTION A-A
SCALE 50 FT = 1 INCH



CROSS SECTION B-B
SCALE: 50 FT = 1 INCH

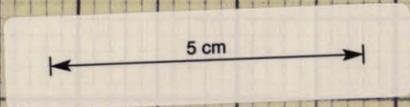


CROSS-SECTION C-C
SCALE: 50 FT = 1 INCH

GIPPSLAND MINERALS N.L.

GRAND PRIZE LEASES,
BUNDAS, TASMANIA.

DRAWN	P. J. OSHER 2.4.71
TRACED	
CHECKED	



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