

**REFERENCE**

**QUATERNARY**

- Qa Alluvial deposits including younger gravels and swamp deposits.
- Qd Older gravels.
- Qs Deluvial sands.
- Qb Beach talus.
- Qc Deluvial talus.

**TERTIARY**

- Ts Sub-basalt gravel.
- Tp Predominantly sub-basalt silt and fine sand with lignite material stippled.

**MEZOZOIC**

**TRIASSIC**

- Tu Low angle unconformity.
- Tv Upper Triassic lentic arkose and lutite, coal bearing, undifferentiated.
- Tw Predominantly massive quartz sandstone, occasional beds of lentic sandstone coal.
- Tx Dominantly medium and fine quartz sandstone, minor mudstone. Much mica and graphite on bedding, contains 10 per cent feldspar.
- Ty Dominantly medium - coarse quartz sandstone with minor mudstone, minor mica, and feldspar content, contains clay pebble beds.
- Tz Thickly bedded medium-coarse quartz sandstone with grit (Rg) and very minor usually black shale layers.

**PALAEZOIC**

**PERMIAN**

- Pc Cynopter Coal Measures - including quartz arkose, carbonaceous mudstone rocks containing carbonaceous fragments.
- Pd Fontanes Group - unfossiliferous quartz siltstone including Risdon Sandstone and corallines at base, with marker quartz grit (A) indicated.
- Pe Malhite Formation - quartz sandstone and siltstone fossiliferous in upper and lower members only.
- Pf Cascades Group - fossiliferous beds of dominantly mudstone and siltstone.
- Pg Faulkner Group - conglomerate sandstone, mudstone, and shale. Occasionally fossiliferous.
- Ph Bonville Formation - fossiliferous sandstone calcareous mudstone.

**IGNEOUS ROCKS**

- Ib Tertiary basalt, pillow breccias indicated.
- Im Jurassic dolerite with graphenites stippled.

Geological boundary - observed with dip if known.

Geological boundary - position approximate.

Geological boundary - inferred.

Igneous intrusive geological boundary - observed with dip if known.

Igneous intrusive geological boundary - position approximate.

Aliphatic linear.

Post - dolerite fault - exposed (downthrown side indicated).

Post - dolerite fault - position approximate (downthrown side indicated).

Post - dolerite fault - position inferred and concealed (downthrown side indicated).

Intrusive dolerite boundary along pre-existing fault - position approximate (downthrown side indicated). ticks indicate post-intrusive post-dolerite movement.

Stikes and dip of beds, facing known.

Horizontal beds.

Direction of sediment bearing current.

Extinct basic volcanic centre.

Dolerite feeder and estimated depth in metres where known if concealed.

Plant fossil locality.

Landslide fracture.

Road.

Vehicular track.

Foot or pack track.

Railway.

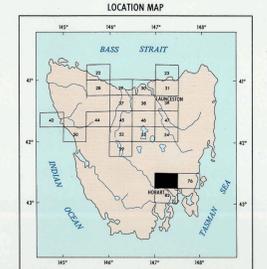
Power transmission line.

Swamp or marsh.

Topographic station.

**UNIVERSAL GRID REFERENCE**

GRID ZONE DESIGNATION	100 000 METRE SQUARE IDENTIFICATION	SAMPLE POINT	100 000 METRE SQUARE IDENTIFICATION
55	18	1800	1800
55	19	1800	1800
55	20	1800	1800
55	21	1800	1800
55	22	1800	1800
55	23	1800	1800
55	24	1800	1800
55	25	1800	1800
55	26	1800	1800
55	27	1800	1800
55	28	1800	1800
55	29	1800	1800
55	30	1800	1800
55	31	1800	1800
55	32	1800	1800
55	33	1800	1800
55	34	1800	1800
55	35	1800	1800
55	36	1800	1800
55	37	1800	1800
55	38	1800	1800
55	39	1800	1800
55	40	1800	1800
55	41	1800	1800
55	42	1800	1800
55	43	1800	1800
55	44	1800	1800
55	45	1800	1800
55	46	1800	1800
55	47	1800	1800
55	48	1800	1800
55	49	1800	1800
55	50	1800	1800



**DETAIL:** Aerial Photography.

**PROJECTION:** Transverse Mercator.

**LEVEL DATUM:** Mean Sea Level, Hobart.

**CO-ORDINATES:** Australian Map Grid Zone 55. False Origin 500,000 metres West and 10,000,000 metres South of the true origin of the zone. Based on longitude 146°00'E.

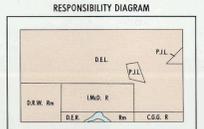
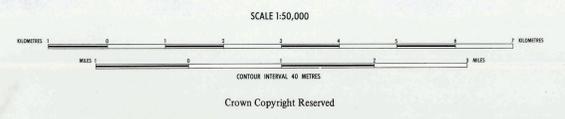
**GRID CONVERGENCE:** 2nd and 3rd order interpolation based on Australian Geoid Datum 1966.

**HORIZONTAL DATUM:** Approved by Nomenclature Board of Tasmania.

**NOMENCLATURE:**

**INDEX TO ADJOINING SHEETS**

OSSE	GATLANDS	SWANSTON
ELEMLEALE	BRIGHTON	BUCKLAND
STEE	HOBART	SOREL



Geology by D. E. LEMKEN B.Sc. (Hons) Ph.D. (including revision and re-plotting). P. J. LEIGH. Previous mapping by C. G. STEPHENSON 1960, I. MCGHEE 1956, D. E. ROAD 1960, D. E. WHEATLEY 1956. Base map enlarged and redrawn from Deverton 1:50,000 map produced by Lands Dept. Hobart. Geographical map production by Drawing Office, Dept. of Mines, Hobart. Cartography by M. MACKENZIE.

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