

LAUNCESTON

Geological Survey of Tasmania
Department of Mines—Hobart

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GEOLOGICAL ATLAS 1 MILE SERIES
8315 S II & III ZONE 7 SHEET NO. 39



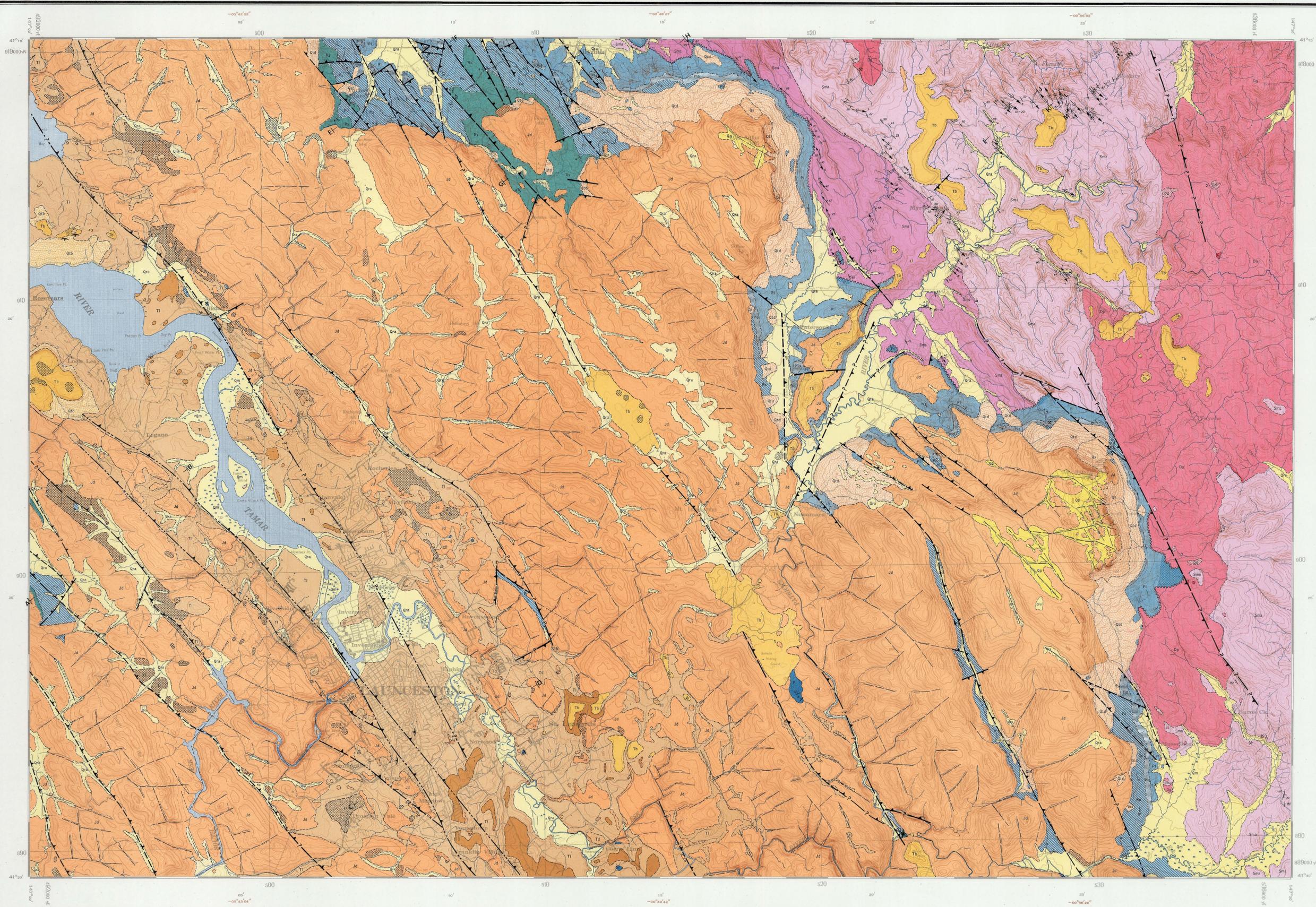
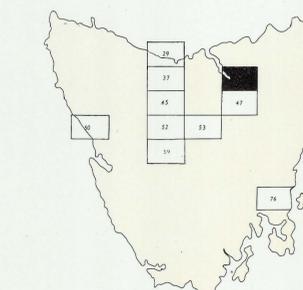
REFERENCE

- | | | | |
|------------|------------|-----|----------------------------------------------------------------------------|
| Cenozoic | QUATERNARY | Qra | Alluvium — Clay, Sand & Gravel |
| | | Qdt | Dolerite talus |
| | | Qtb | Basalt talus |
| | | Qd | Dolerite scree |
| | | Qg | Glacial deposits |
| Mesozoic | TRIASSIC | Qm | Swamp and marsh deposits |
| | | Tf | Ferruginous zone
Clay, sandstone and lignite
Quartzite gravels |
| | | Td | Dolerite gravels |
| | | Sa | Sandstone |
| | | U | Upper with conglomeratic sandstone
horizons a, b, and c |
| Palaeozoic | PERMIAN | Lif | Liffey Group |
| | | L | Lower with limestone (l), conglomerate (d)
and conglomeratic basal beds |
| | | U | Unassigned |
| | | Sms | Frequent sandstone horizons
with breccia layer |
| | | Sms | Dominant mudstone and slate |
- } Mathinna Beds

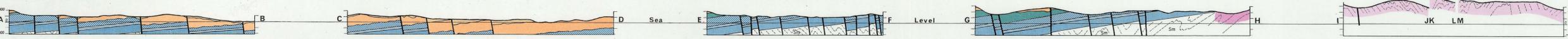
- ### Igneous Rocks
- | | | |
|----|----------|------------------|
| Tb | Laterite | Basalt |
| Jd | Laterite | Dolerite |
| Dg | DEVONIAN | Granodiorite |
| Dd | DEVONIAN | Diorite |
| Dp | DEVONIAN | Granite porphyry |

- Geological boundary — position approximate
- - - Geological boundary — inferred
- ~ ~ ~ Unconformity
- ↘ Strike and dip of beds
- ↘ Strike and dip of overturned beds
- ↘ Apparent dip of cleavage on bedding plane
- Normal fault, position approximate (teeth on downthrown side)
- - - Normal fault, concealed
- ? - Normal fault, inferred
- - - Normal fault, inferred concealed
- - - Prepost Tertiary fault
- ↘ Plunge of minor anticline
- ↘ Plunge of minor syncline
- Lineament, photo interpreted
- ↘ Glacial striae
- ↘ Direction of movement of sediment bearing currents
- ⊗ Prospect, little or no production
- ⊗ Landfills

Geology by **M. J. Longman** B.Sc. Geologist
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 Base map adapted from 40 chains to 1 inch sheets produced
 by the Lands and Surveys Department, Hobart.
 Geological Map production by Drawing Office, Department of Mines, Hobart.
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SECTIONS

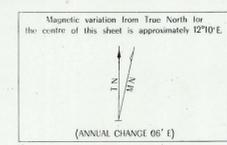


SCALE 1 MILE TO 1 INCH



CONTOUR INTERVAL 25 FEET

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- Swamp or Marsh
- Quarry
- Gravel Pit
- Cliff
- Contours
- Depression Contours

- Roads
- Vehicular Track
- Foot or Pack Track
- Gate
- Cattle-grid Bridge
- Railway

CONTROL: 2nd and 3rd Order Triangulation based on
 Lochmaben Astronomical Station Lat. 41° 28' 53.289" S
 Long. 147° 17' 49.339" E.
 DETAIL: Aerial Photography 1960
 PROJECTION: Transverse Mercator
 LEVEL DATUM: Mean Sea Level Hobart
 NOMENCLATURE: Approved by the Nomenclature Board of Tasmania
 GRID CONVERGENCE: Based on Longitude 146° 00' E. To obtain True
 Bearing use correction as shown in margin of map.

Trig: Stations 4th Order
 State Permanent Mark
 House
 Windpump Waterhole
 Mine Lighthouse
 Electric Transmission Line

INDEX TO ADJOINING SHEETS		
BEACONSFIELD	PIPERS RIVER	RINGBROOKA
FRANKFORD	LAUNCESTON	ALBERTON
QUAMBY	LONGFORD	BEN LOMOND