

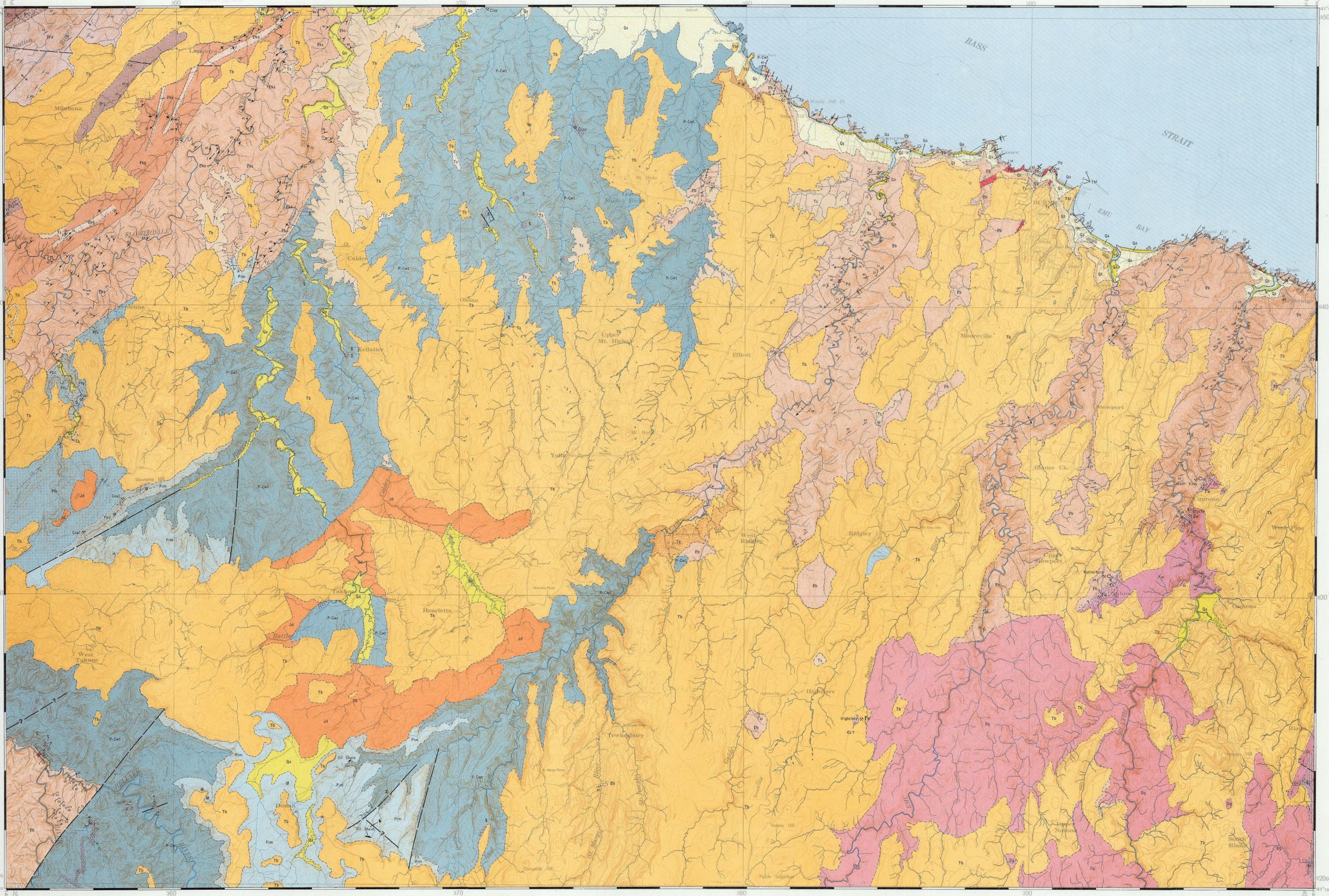
# BURNIE

Geological Survey of Tasmania  
Department of Mines - Hobart

GEOLOGICAL ATLAS 1 MILE SERIES  
8015N ZONE 7 SHEET No. 28



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## REFERENCE

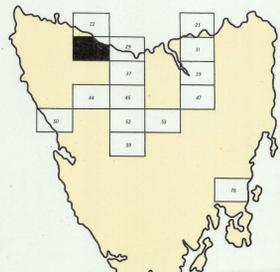
- Quaternary**
- Q1: Landslide material
  - Qa: Alluvium and beach deposits
  - Qs: Older sand, gravel and clay on coastal platforms; erosional level at 20 ft. a.s.l.
  - Ts: Sand and gravel, usually beneath Tb
  - Tm: Table Cape Group—marine calcarenite
- Permian**
- Pfs: Flowerdale Sandstone—dominantly coarse sandstone, with fossiliferous pebbly sandstone and siltstone at base
  - Ppc: Praelenna Coal Measures—sandstone with carbonaceous shale and coal seams
  - Pim: Inglis Siltstone—mudstone with fossiliferous siltstone at top, and oil shale at base
  - P-Cat: Wynyard Tillite—mainly pebbly mudstone, including tillite with varves (s), and prominent sandstone beds (s)
- Carboniferous**
- Unconformity
  - Or: Chert and quartzite conglomerate
- Cambrian**
- Es: Siliceous siltstone containing hematite ore bodies
  - Rc: Radford's Creek Group—siltstone and porphyry, contact metamorphism indicated
  - Unconformity
  - Eb: Burnie Quartzite and Slate
- Proterozoic**
- Ehp: Phyllite—marginal to metamorphics
  - Eks: Schistose quartzite
  - Eks: Pelitic, calcic and basis schists
  - Eka: Amphibolite
  - Ej: Jacob Orthoquartzite
  - Ei: Irby Siltstone
  - Erd: Detention Sub-group—mainly orthoquartzite
  - Erc: Cowrie Siltstone
- Igneous Rocks**
- Tb: TERTIARY Basalt (Tb), lower valley-filling basalt (Tb)
  - Tp: TERTIARY Pyroclastics
  - Jd: JURASSIC Dolerite
  - Dg: DEVONIAN Granite
  - PROTEROZOIC Albite dolerite, metadolerite

- Geological boundary—observed
- Geological boundary—position approximate
- Geological boundary—inferred
- Geological boundary—gradational
- Fault—position approximate
- Fault—inferred
- Strike and dip of beds—right way up, overturned, facing unknown
- Palaeocurrent direction
- Striae on bedding surface—trend of transportation agent
- Trace of major anticline, syncline, recumbent syncline
- Strike and dip of main slaty cleavage
- Trend and plunge of minor fold axis, related lineation
- Trend of minor antiform and synform
- Strike and dip of strain-slip cleavage
- Strike and dip of foliation
- Trend and plunge of mineral lineation
- Strike and dip of layering oblique to foliation
- Strike and dip of strain-slip cleavage
- Mine or prospect (Cu - Copper Fe - Iron)
- Macrofossil locality
- Microfossil locality
- Plant fossil locality

Geology by R. D. Gee B.Sc., (Hons.), A. B. Gulline B.Sc., A. P. Bravo B.Sc.,  
Base map adapted from 40 chain to 1 inch produced  
by the Lands and Surveys Department, Hobart.

Geological Map production by Drawing Office, Department of Mines, Hobart.  
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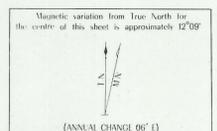
CONTROL: 2nd and 3rd Order Triangulation based on  
Lochnaber Astronomical Station Lat. 41° 28' 23.889" S  
Long. 157° 17' 49.228" E

DETAIL: Aerial Photography 1956  
PROJECTION: Transverse Mercator  
LEVEL DATUM: Mean Sea Level Hobart  
NOMENCLATURE: Approved by the Nomenclature Board of Tasmania  
GRID CONVERGENCE: Based on Longitude 156° 00' E. To obtain True  
Bearing use correction as shown in brown in margin of map.

Trig: Stations 1st and 2nd Order  
4th Order  
State Permanent Mark  
Hires  
Windup Water Tower  
Mine Lighthouse Waterhole  
Electric Transmission Line

INDEX TO ADJOINING SHEETS

|          |                |           |
|----------|----------------|-----------|
| SMITHTON | TABLE CAPE     |           |
| TROWUTA  | BURNIE         | DEVONPORT |
| MAGNET   | ST. VALENTINES | SHEFFIELD |



- Sump or Marsh
- Quarry
- Gravel Pit
- Crag
- Contour
- Depression Contour
- Road
- Voluntary Track
- Foot or Pack Track
- Gate
- Cattle-grid Bridge
- Railway