



REFERENCE

QUATERNARY

- Qa Alluvium, marsh and swamp deposits, river terrace deposits.
- Ql Lag gravel on Ordovician, Silurian and Devonian rocks.
- Qm Lag blocks of quartz pebble ironstone conglomerate.
- Qt Basalt talus.
- Qd Dolerite talus.
- Qc Quartzite and conglomerate talus.

CANIZOIC

TERTIARY

- Ts Partially consolidated gravel and sand.
- Ta Sand.
- Tl Lignite and carbonaceous shale—Auger hole located (wTl).
- Tc Clay with iron oxide pisoliths—occasionally concentrated on surface as Quaternary lag deposits.
- Tg Clay gravel and sand. Tg indicated.
- Ts Silcrete.
- Tc Sandstone and conglomerate.
- Tf Ferricrete and laterite of Tertiary (+) age.
- Tu Unconformity.

MESOZOIC

TRASSIC

- Ts Quartz sandstone and micaceous shale.
- Tc Correlate of Gog Tom Sandstone—carbonaceous sandstone and shale.
- Tm Predominantly unfossiliferous mudstone and sandy mudstone with corals of Blackwood Conglomerate (b) and Palmer Sandstone (p) indicated.
- Tl Within 30m of correlate of Lilyf Sandstone a richly fossiliferous shale correlated with the Weston Formation is indicated (we).
- Tc Correlate of Lilyf Sandstone—carbonaceous sandstone and shale.
- Tm Mudstone, sandstone and siltstone beds fossiliferous except near top (oolitic mudstone, occasional limestone and shale beds; richly fossiliferous).
- Tl Winkhigh Sandstone indicated (w)—sandstone with quartzite pebbles and occasional Keemia and Eurydema under and overlain by dark grey unfossiliferous mudstone except where Tiltite and erratic rich mudstone.
- Tu Note: Stipple represents basal conglomerate at unconformity between formation indicated and pre-Permian rocks.

PERMIAN

- Pi Quartzite and slaty siltstone with conglomerate indicated—Frankford area.

PALEOZOIC

ORDOVICIAN

- O-S Siltstone, impure sandstone and thin quartzite (indicated).
- O-L Flowery Gully Limestone.
- O-C Correlate of Cabbagtree Formation and Magog Group—conglomerate (indicated), quartzite and siltstone.
- O-U Unconformity.

CAMBRIAN

- Cg Correlate of Gog Range Greywacke—interbedded greywacke, sandstone and siltstone.
- Cs Interbedded slate and greywacke sandstone—South Beaconsfield area.
- Cd Pyritic carbonaceous and dolomitic siltstone, dolomitic conglomerate and thin quartzite beds.
- Cc Laminated siltstone and chert. Port Sorell Area area.
- C-U Unconformity.

PROTEROZOIC

- P-B Correlate of Badger Head Group—sandstone, slate, phyllite and orthoquartzite.
- P-S Quartz—mica schist.

Igneous and related Rocks

TERTIARY

- Tb Tertiary basalt with Tertiary (+) ferricrete indicated.
- Td Basaltic dolerite.

JURASSIC

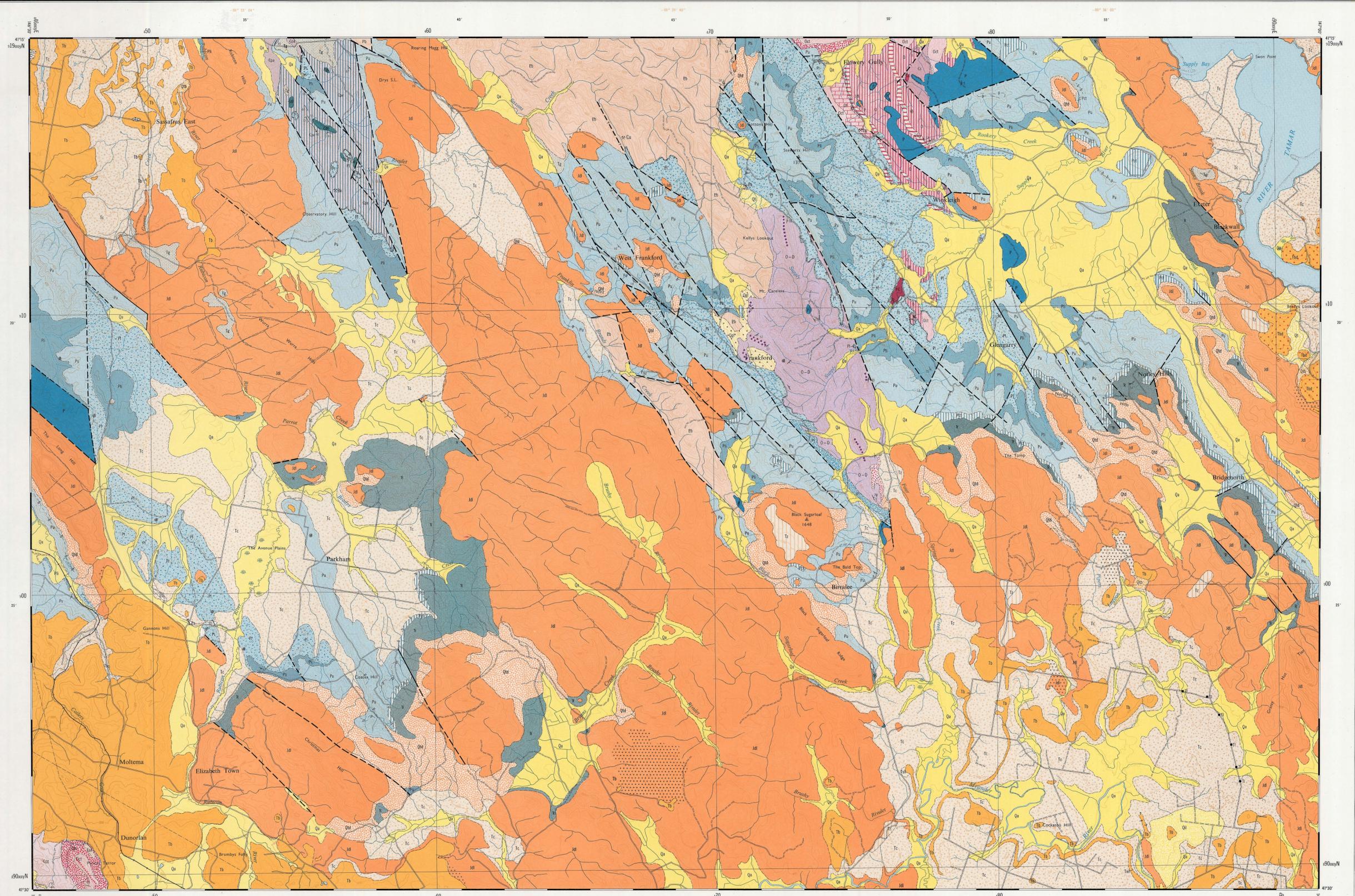
- Jd Dolerite with Tertiary (+) laterite indicated.

CAMBRIAN

- Cd Dolerite suite.
- Ad Altered dolerite dyke.

Geological boundaries and symbols:

- Geological boundary—observed.
- - - Geological boundary—position approximate.
- · - · - Geological boundary—inferred.
- - - Fault—exposed.
- · - · - Fault—position approximate.
- - - Fault—inferred and concealed.
- ↗ ↘ Strike and Dip of beds; overturned.
- ↗ ↘ Strike and Dip of beds; facing unknown.
- ↗ ↘ Strike and Dip of slaty and/or sandstone cleavage; vertical.
- ↗ ↘ Trend and plunge of hinge line of minor fold.
- ⊙ Air photo linear.
- ⊙ Marine fossil locality.
- ⊙ Mineral prospect or Mine. Au gold, Ls limestone, Ba barites, Cu copper.
- ⊙ Drill (D) or bore (B) with depth indicated.
- (W) Water, (M) Minerals.



CONTROL
2nd and 3rd order Triangulation based on Lochmaben Astronomical Station
Lat. 41° 36' 53.360" S Long. 147° 17' 49.725" E
DITAL
Aerial Photography
PROJECTION
Transverse Mercator
LEVEL DATUM
Mean Sea Level, Hobart.
NOMENCLATURE
Approved by Nomenclature Board of Tasmania.
GRID CONVERGENCE
Based on Longitude 146° 00' E
CO-ORDINATES
Origin is 400,000 yards West and 1,800,000 yards South of the True Origin of Zone 7.
To obtain true bearing use correction shown in brown in margin of map.

Road
Webbular Track
Foot or Pick Track
Railway
Power Transmission Line
Swamp or Marsh
Trigonometric Station

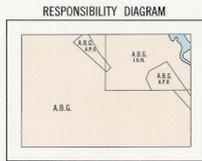
INDEX TO ADJOINING SHEETS

DEVONPORT	BEACONSFIELD	PIPERS RIVER
SHEFFIELD	FRANKFORD	LAUNCESTON
MIDDLESEX	QUAMBY	LONGFORD

Magnetic Variation from True North for centre of this sheet, approximately 12° 25' Annual change + 03' E (approx.)



Crown Copyright Reserved



Geology by A.B.GILLIE B.Sc., A.P. Bravo B.Sc. (Hons.), L.H. Nagel B.Sc. (Hons.)
Base map redrawn from 40 chain to 1 inch sheets produced by Lands Department, Hobart.
Geological map production by Drawing Office, Department of Mines, Hobart.
Cartography by T.R. Bells.
E. Williams B.Sc. (Hons) Ph.D. Supervising Geologist in charge of Regional Mapping.
I.B. Jennings B.Sc. (Hons) Chief Geologist.
Compiled under the direction of J.G. Symons B.E. Director of Mines.
Issued under the authority of the Honourable Eric E. Reece Minister for Mines.
Published 1973

