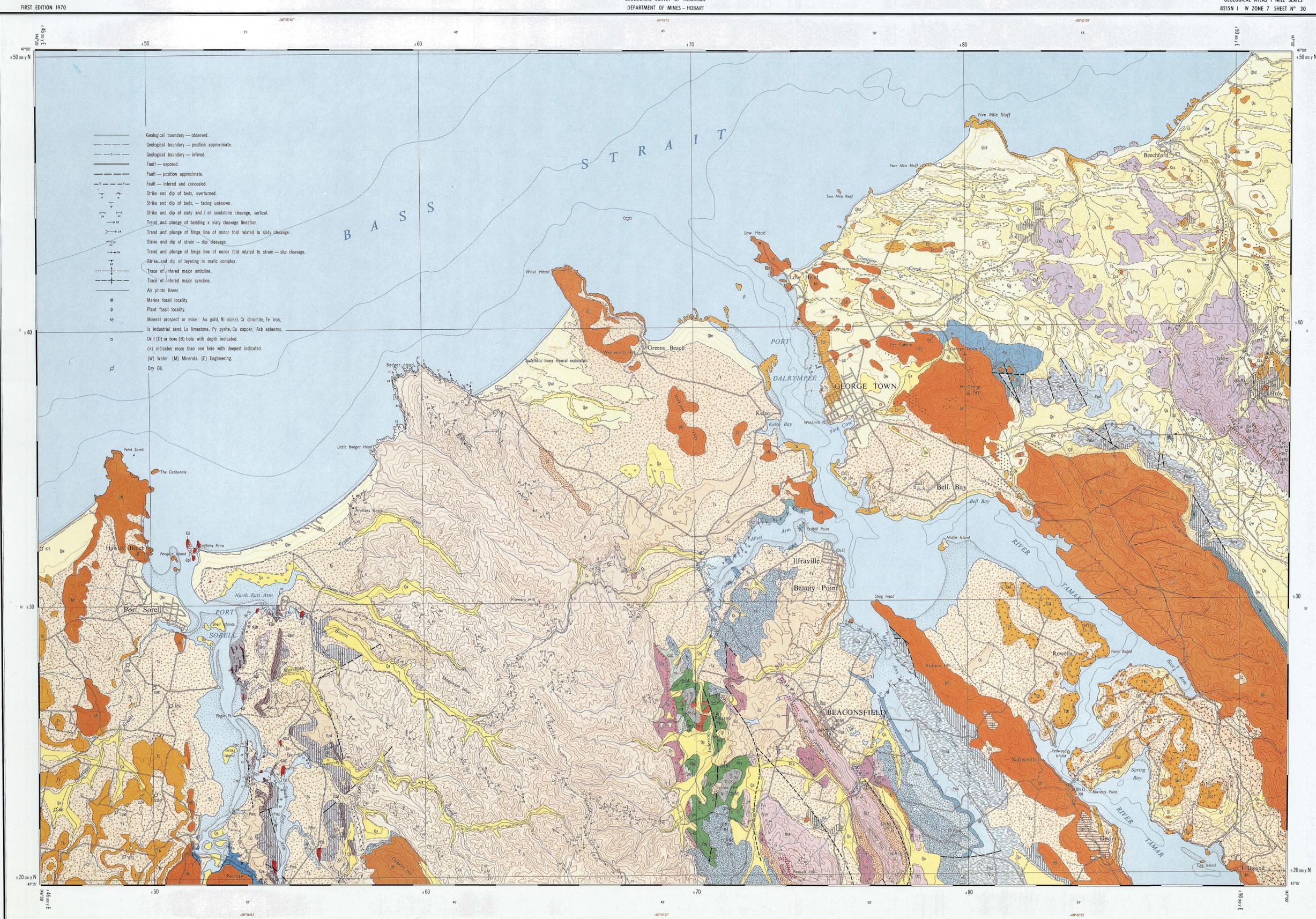


BEACONSFIELD

GEOLOGICAL SURVEY OF TASMANIA
DEPARTMENT OF MINES - HOBART

GEOLOGICAL ATLAS 1 MILE SERIES
8215N 1 IV ZONE 7 SHEET N° 30



- 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 bedding x slaty cleavage lineation.
- Trend and plunge of hinge line of minor fold related to slaty cleavage.
- Strike and dip of strain — slip cleavage.
- Trend and plunge of hinge line of minor fold related to strain — slip cleavage.
- Strike and dip of layering in mafic complex.
- Trace of inferred major anticline.
- Trace of inferred major syncline.
- Air photo linear.
- Marine fossil locality.
- Plant fossil locality.
- Mineral prospect or mine: Au gold, Ni nickel, Cr chromite, Fe iron, Ls limestone, Sl sandstone, Py pyrite, Cu copper, Asb asbestos.
- Drill (D) or bore (B) hole with depth indicated.
- (s) indicates more than one hole with deepest indicated.
- (W) Water (M) Minerals (E) Engineering.
- Dry Oil.

- REFERENCE**
- QUATERNARY**
- Qa River alluvium and marsh deposits.
 - Qd Beach and active dune sand.
 - Qs Sand of stabilised longitudinal beach ridges.
 - Qw Windblown and locally derived sand, including old dunes and occasional patches of gravel. High proportion of coarse sand indicated.
 - Qt Sand, silt and clay, with occasional gravel probably derived from Tertiary deposits.
 - Qc Silt with rounded clasts of granite, schist, quartzite conglomerate, derived from Permian strata.
- CANZOIC**
- Ta Talus: Qtb — basalt, Qtd — dolerite, Qg — gravel.
 - Tf Transported and residual deposits of ferricrete.
 - Tm Talus — mainly derived from Oct.
 - Tn Partially consolidated granite sand.
 - To Consolidated siliceous conglomerate.
 - Tp Partially consolidated conglomerate, mainly of rounded vein quartz and quartzite.
 - Tq Cca — mainly angular vein quartz.
 - Ts Sand, clay and gravel; Tsc — carbonaceous silt, Tsg — dominantly rounded gravel.
 - Tt Boulder bed of dolerite (d) with sand — clay matrix.
 - Tu Interlayered basalt flows.
- TRIASIC**
- Tp Ferricrete and laterite of Tertiary (?) age.
 - Ti Psilicite ironstone, pre-Ts in age.
 - Tu Unconformity.
- PERMIAN**
- Tp Quartz sandstone and micaceous shale.
 - Tp Clag Tom Sandstone — carbonaceous sandstone and shale.
 - Tp Middle Arm Group — wormcast siltstone and sandstone, conglomerate bed indicated.
 - Tp West Arm Group — fossiliferous sandstone, siltstone and limestone.
 - Tp Liffey Sandstone — carbonaceous sandstone and shale.
 - Tp Messays Creek Group — mudstone, pebbly siltstone and sandstone.
- LOWER PALAEOZOIC**
- Tp clastic limestone beds and angular boulder bed (lillite ?) indicated.
 - Note: bracket () indicates type locality.
 - Unconformity.
- ORDOVICIAN**
- Tp Mathinna Beds — dominantly sandstone, with slate layer striped.
- CAMBRIAN**
- Tp Limestone, correlate of Gordon Limestone.
 - Tp QGz — interbedded siltstone horizon (Grab Beds).
 - Tp Cabbage Tree Formation — quartz sandstone with chert and quartz conglomerate layers indicated.
- BEACONSFIELD AREA**
- Tp Slate with impersistent units of greywacke sandstone (Cag) and interbedded slate and chert (Coc).
 - Keratophyre lens indicated.
- PORT SORELL AREA**
- Tp Pyritic, carbonaceous and cherty slate and siltstone.
 - Tp Chert.
 - Tp Laminated siltstone.
 - Tp Interbedded greywacke sandstone and siltstone.
 - Tp Laminated siltstone with chert (Csp) and dolomite (Cdp).
- PROTEROZOIC**
- Tp Badger Head Group — sandstone, slate and phyllite; orthoquartzitic layer indicated.
- Igneous and related Rocks**
- TRIASIC**
- Tp Basalt in situ; Tbr — basalt rubble probably indicating Td underneath.
 - Tp Basaltic dolerite.
- JURASSIC**
- Tp Dolerite, with Tertiary (?) laterite surface indicated.
- CAMBRIAN**
- Tp Layered pyroxenite and gabbro.
 - Tp Pyroxenite (serpentinised pyroxenite).
 - Included septum of metamorphic rocks.
 - Tp Hornfels, with andalusite adjacent to Cpy.
 - Tp Albitite — epidote — chlorite — amphibole — Keratophyre.
 - Tp Altered dolerite and micro — dolerite dyke.

CONTROL 2nd and 3rd order Triangulation based on Lochmaben Astronomical Station. Lat. 41° 38' 23.388" S Long. 147° 17' 49.725" E

DETAIL Aerial Photography.

PROJECTION Transverse Mercator.

LEVEL DATUM Mean Sea Level, Hobart.

NOMENCLATURE Approved by the Nomenclature Board of Tasmania.

GRID CONVERGENCE Based on Longitude 148° 00' E. Origin is 400,000 yards West and 1,800,000 yards South of the True Origin of Zone 7.

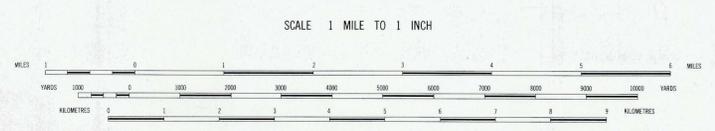
CD — COORDINATES

To obtain true bearing use correction shown in brown in margin of map.

INDEX TO ADJOINING SHEETS

DEVONPORT	BEACONSFIELD	PIPERS RIVER
SHEFIELD	FRANKFORD	LAUNCESTON

Magnetic Variation from True North for centre of this sheet, approximately 2° 35'. Annual change + 0.2" E (approx).



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