MINERAL RESOURCES TASMANIA
DIGITAL GEOLOGICAL ATLAS 1:25 000 SERIES
BELL BAY, SHEET 4844

BELL BAY

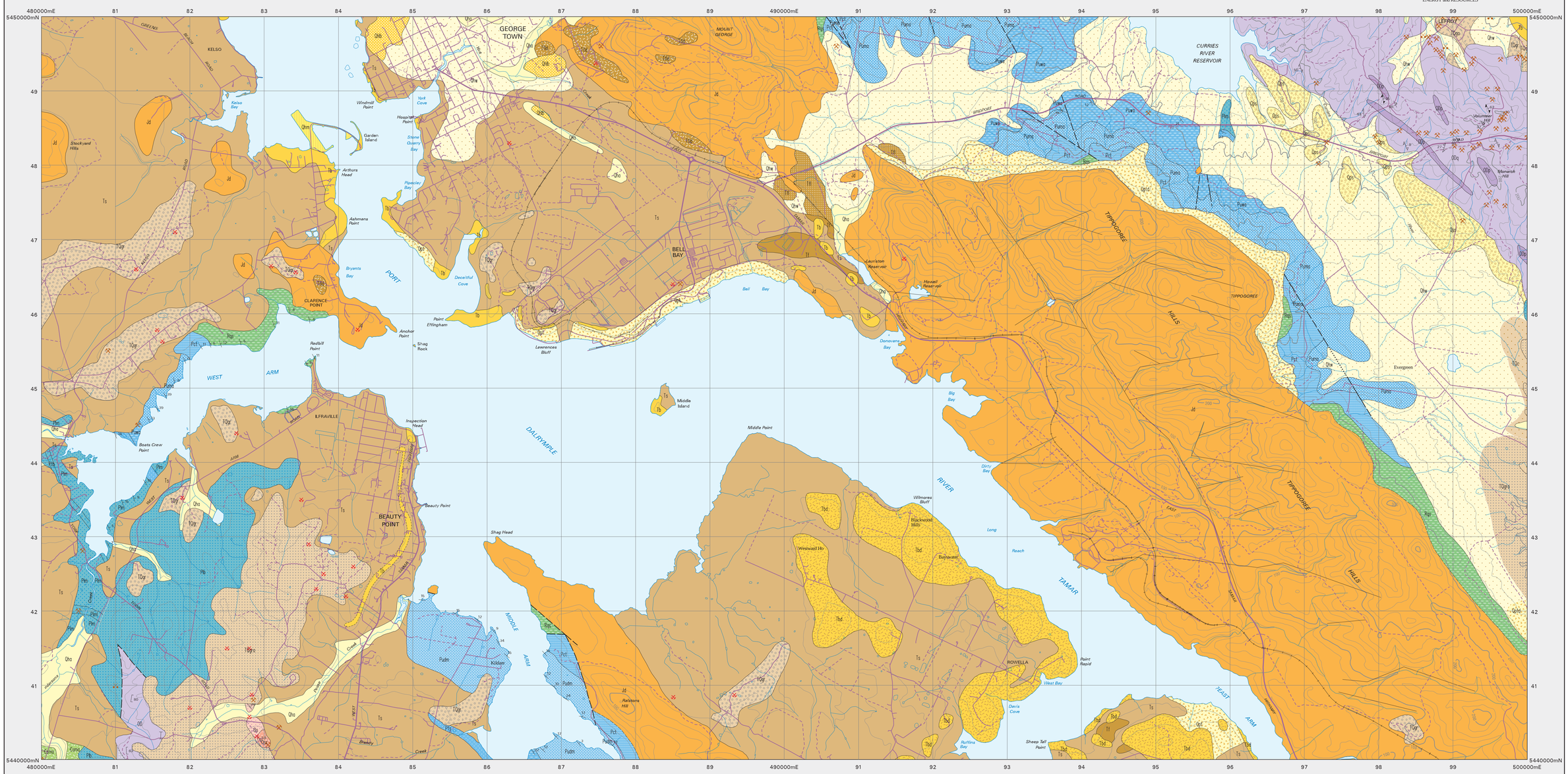
Scale: 1:25 000

0 500 1000 1500 2000 2500m

MINERAL RESOURCES TASMANIA

Tasmania

DEPARTMENT of INFRASTRUCTURE ENERGY and RESOURCES



Compiled by M.P.McClenaghan, 1996 from the following sources (see Responsibility Diagram):

A GEE, R.D.; LEGGE, P.J. 1971. Geological atlas 1:63,360 series, sheet 30 (8215N). Beaconsfield. Department of Mines, Tasmania.

B Latinovic, M.; Forsyth, S.M.F 2003. Reconaissance geology mapping. Mineral Resources Tasmania.

C Updated by M. Vicary, 2004 as part of the Western Tasmania Regional Minerals Program.

CAINOZOIC

QUATERNARY – HOLOCENE

- **Qhm** – Man disturbed ground (Qhm).
- **Qha** – Stream alluvium, swamp and marsh deposits (Qha).
- **Qhb** – Basalt derived lag deposit (Qhb).
- **Qps** – Silt with rounded clasts of granite, schist, quartzite, conglomerate, derived from Permian strata (Qps).
- **Qhw** – Windblown sand and locally derived sand (Qhw).
- **Qpt** – Talus (Qpt), dolerite talus (Qptd).
- **TQc** – Silt and clay with occasional pebbles (TQc).
- **TQgr** – Rounded gravel, mainly vein quartz (TQgr).
- **TQga** – Angular gravel, mainly vein quartz (TQga).
- **TQgra** – Rounded and angular gravel, mainly vein quartz (TQgra).
- **Tfl** – Ferricrete lag (Tfl).

TERTIARY

- **Ts** – Conglomerate, gravel, sand, silt, mud and clay (Ts).
- **Tb** – Basalt (Tb).
- **Tbd** – Basanitic dolerite (Tbd).
- **Tf** – Ferricrete (Tf).
- **Tfld** – Laterite derived from Jurassic Dolerite (Tfld).

Unconformity

MESOZOIC

TRIASSIC

- **Rqs** – Cross-bedded quartz sandstone, feldspathic sandstone and shale (Rqs). — UPPER PARMEENER SUPERGROUP
- **Pct** – Carbonaceous sandstone and shale (Pct). (Pct) : Clog Tom Sandstone). — UPPER PARMEENER SUPERGROUP
- **Puma** – Wormcast siltstone and sandstone (Puma). (Puma : Middle Arm Group). — UPPER PARMEENER SUPERGROUP

PALAEOZOIC

PERMIAN

- **Pudm** – Mudstone, siltstone, and poorly sorted sandstone (Pudm). — UPPER PARMEENER SUPERGROUP
- **Puwa** – Fossiliferous sandstone, siltstone and limestone (Puwa). (Puwa : West Arm Group). — UPPER PARMEENER SUPERGROUP
- **Pfs** – Dominantly well sorted quartz sandstone usually cross-bedded or laminated and commonly with interbedded and laminated carbonaceous shale, lesser conglomerate and rare coal (Lilley Sandstone) (Pfs). — LOWER PARMEENER SUPERGROUP
- **Pib** – Mudstone, pebbly siltstone and sandstone (Pim). Clastic limestone beds (Pim). Angular boulder bed (Tillite ?) (Pib). (Pim : Massey Creek Group). — LOWER PARMEENER SUPERGROUP

Unconformity

ORDOVICIAN - SILURIAN (?) - EARLY DEVONIAN

- **OD** – Quartzwacke turbidite sequence of interbedded sandstone, siltstone and mudstone (Corn Hill Formation) (OD).
  - **ODq** – Quartzwacke turbidite sequence of interbedded sandstone, siltstone and mudstone with sandstone dominant (ODq). — MATHINNA SUPERGROUP
  - **ODp** – Quartzwacke turbidite sequence of interbedded sandstone, siltstone and mudstone with mudstone dominant (ODp). — MATHINNA SUPERGROUP

SILURIAN

- **SD** – Quartz sandstone, laminated siltstone and shale, (Johnston Creek Formation) (SD). — ELDON GROUP

ORDOVICIAN

- **Os** – Quartz sandstone with chert (Undifferentiated Eaglehawk Gully and Salisbury Hill Formations) (Os). — OWEN GROUP
  - **Osc** – Quartz conglomerate (Osc). — OWEN GROUP

INTRUSIVE ROCKS

- JURASSIC – **Jd** – Dolerite (Jd).
- CAMBRIAN – **Ꞓsma** – Serpentinite with amphibole (Ꞓsma).

Geological boundary – position approximate

Fault – position approximate

Fault – position concealed

Airphoto lineament

Strike and dip of bedding – right way up; overturned; facing unknown.

Strike and dip of cleavage, relative local age S1.

Strike and dip of cleavage, relative local age S2.

Strike and dip of cleavage of unspecified type and relative age; vertical.

Field station for adjacent readings on the map.

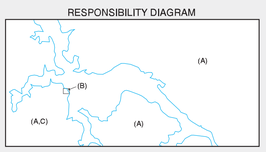
Mineral deposit location – hardrock

Mineral deposit location – alluvial

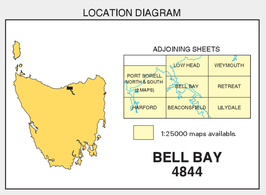
Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case.

Construction materials location – Data derived from Mineral Resources Tasmania DEPOSITS data base. Data point position has not been verified in every case.

RESPONSIBILITY DIAGRAM



LOCATION DIAGRAM



Base data from the LIST, Copyright State of Tasmania.

Map produced by the Data Management Branch of Mineral Resources Tasmania using G.I.S. software.

AGD66 - AMG Zone 55. Contour Interval: 20 metres.

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Plotfile for this map generated from digital data as at: 11-JAN-2010

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