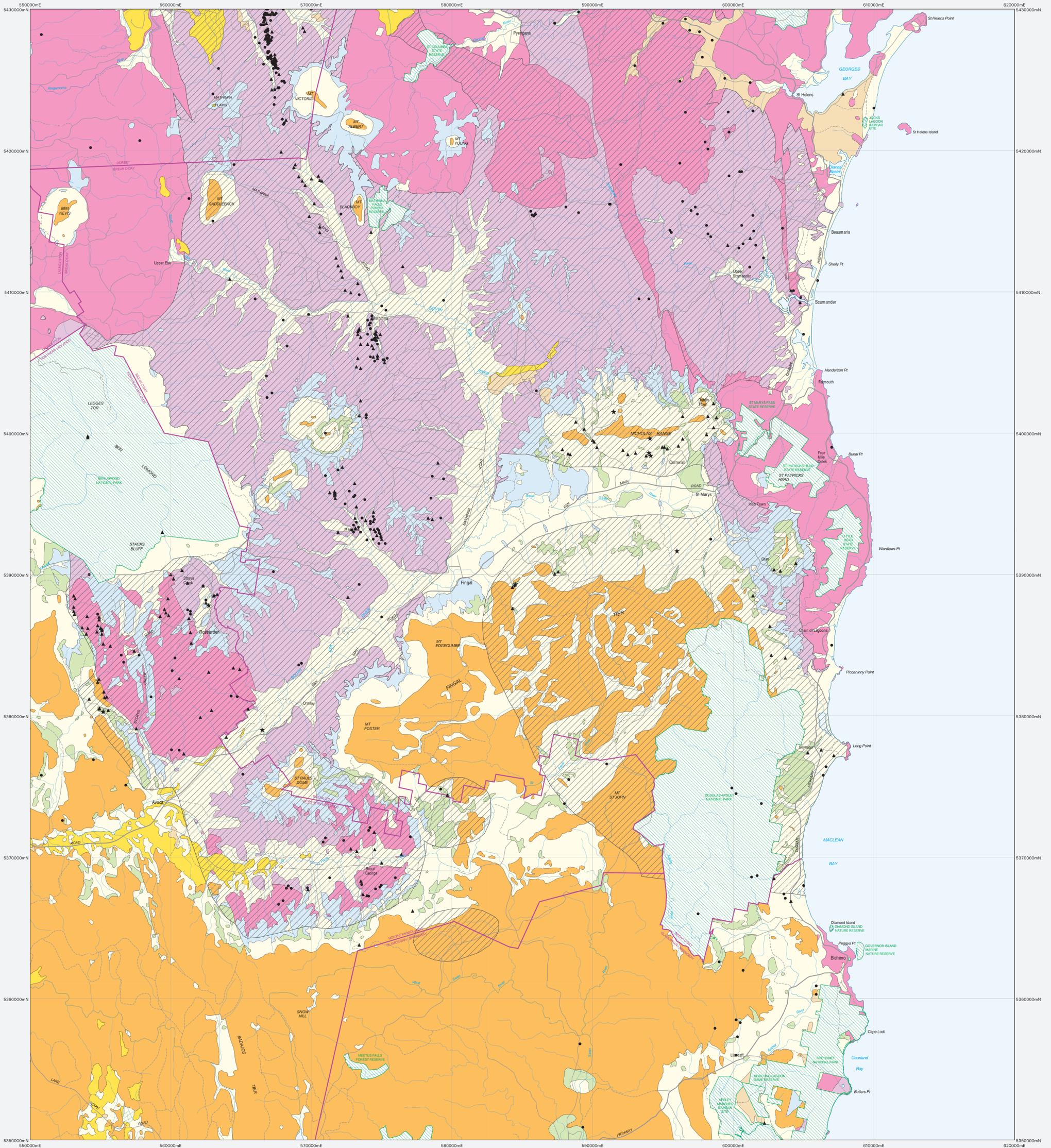


MAP 12A – SIMPLIFIED GEOLOGY AND AREAS OF HIGHEST MINERAL EXPLORATION AND MINING POTENTIAL



| | | |
|---|---|--|
| QUATERNARY 0 – 1.8 million years before present | TRIASSIC 205 – 251 million years before present | LATE – MIDDLE CAMBRIAN 490 – 510 million years before present |
| Gravel, sand, clay, mud and minor limestone. | Sandstone and mudstone, minor black coal, basalt and volcanic sediments. | Folded, deformed and altered volcanic rocks of various compositions, and related intrusive igneous rocks, sandstone, siltstone and conglomerate (includes Mt Read Volcanics). |
| TERTIARY 1.8 – 65 million years before present | PERMIAN – LATE CARBONIFEROUS 251 – 314 million years before present | MIDDLE – EARLY CAMBRIAN 510 – 545 million years before present |
| Unconsolidated or cemented gravel, sand, silt and clay, minor limestone and brown coal. | Mudstone, poorly mudstone, sandstone and conglomerate, minor limestone, black coal and oil shale. | Serpentine and gneissites. Deformed and metamorphosed volcanic and intrusive igneous rocks of ultra mafic and basaltic compositions, and associated sandstone, mudstone and chert. |
| Basalt and related sediments. | EARLY CARBONIFEROUS – ORDOVICIAN 340 – 490 million years before present | NEOPROTEROZOIC 545 – 1000 million years before present |
| CRETACEOUS 65 – 141 million years before present | Granite and related intrusive and minor volcanic igneous rocks of various compositions. | Deformed and metamorphosed basaltic volcanic rocks and associated sandstone, siltstone, shale, dolomite, chert and schist. |
| Intrusive and volcanic igneous rocks of various compositions (Cygnet and Cape Portland areas only). | Folded and locally deformed sandstone, quartzite, siltstone, shale and slate, minor quartz veining. | MESOPROTEROZOIC 1000 – 1600 million years before present |
| JURASSIC 141 – 205 million years before present | ORDOVICIAN 434 – 490 million years before present | Granite (King Island only). |
| Dolerite. | Limestone and minor sandstone, siltstone and shale. | Deformed and metamorphosed quartzite, siltstone, siltstone, conglomerate, schist and dolomite. |
| | MIDDLE ORDOVICIAN – LATE CAMBRIAN 460 – 500 million years before present | |
| | Folded and locally deformed conglomerate, sandstone, quartzite, siltstone and shale. | |

| |
|---|
| Areas of highly prospective rocks. These areas have a high potential for exploration and mine development, especially in the vicinity of existing mine sites and prospects, as indicated. |
| Reserved land / Land unavailable for exploration and mining tenement application. |
| Municipality boundary. |
| Active Mine. |
| Abandoned Mine. |
| Prospect or Mineral Occurrence. |

Scale: 1:100000
0 2 4 6 8 10km
AZG20E – AMG Zone 55
Contour Interval: 100 metres

The simplified geology for this map is derived from the 1:250000 digital geology of Tasmania.

Mineral potential data compiled by K. Morrison M. Econ. Geol. (based on Weighted Composite Mineral Potential information compiled for the Tasmanian Regional Forest Agreement).

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

Digital base information from Land Information Services Division, Department of Primary Industries, Water and Environment.

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

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