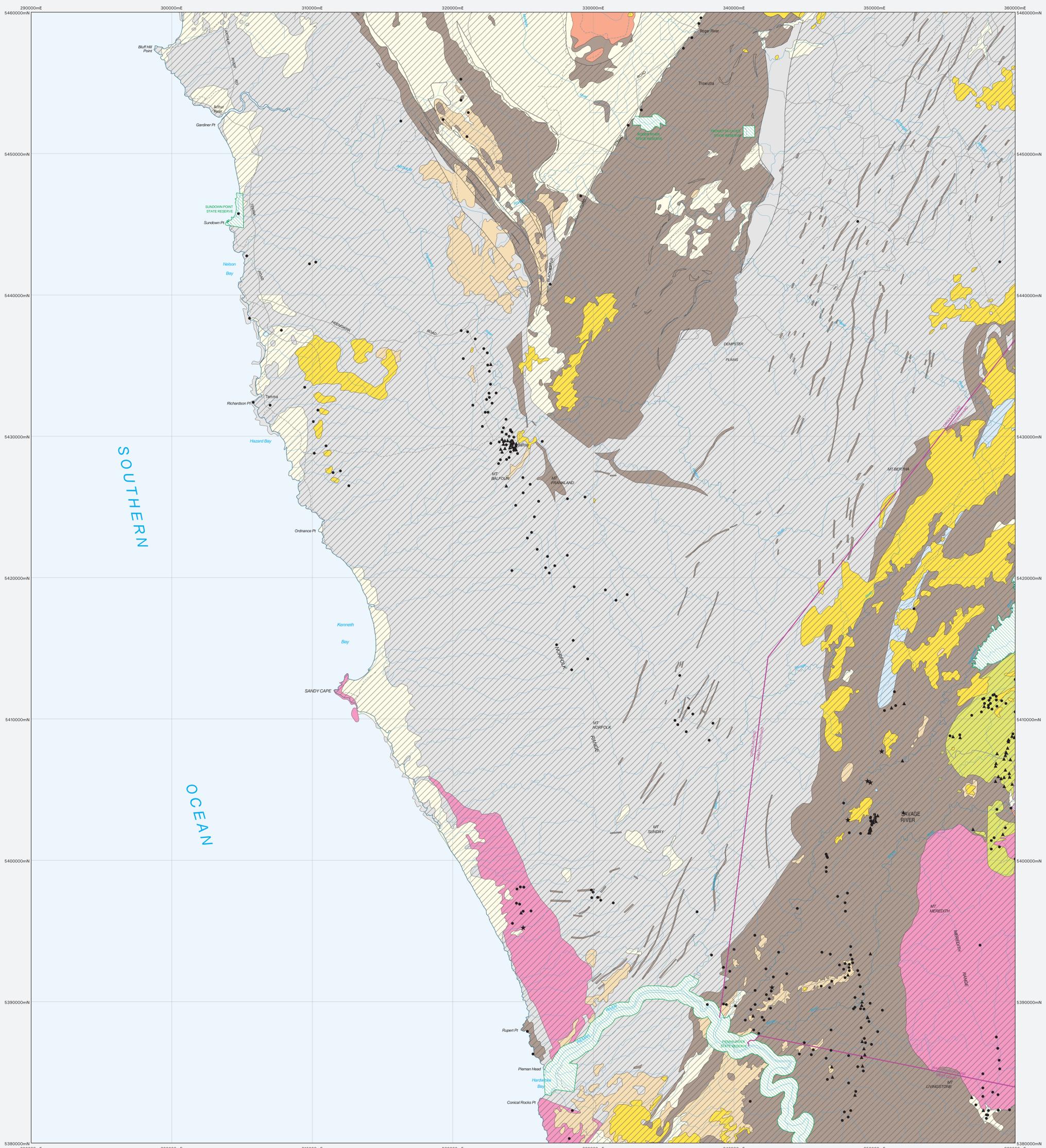


MAP 8A – SIMPLIFIED GEOLOGY AND AREAS OF HIGHEST MINERAL EXPLORATION AND MINING POTENTIAL



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, pabbly mudstone, sandstone and conglomerate, minor limestone, black coal and of shale.	Serpentine and greenstones. 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 (Cygnal and Cape Portland areas only).	Deformed and metamorphosed basaltic volcanic rocks and associated sandstone, siltstone, shale, dolomite, chert and schist.
Intrusive and volcanic igneous rocks of various compositions (Cygnal 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, 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

THIS MAP SHOULD BE USED IN CONJUNCTION WITH MAP B – MINING LEASES AND ACTIVE MINES, PITS AND QUARRIES.

Scale: 1:100000
0 2 4 6 8 10km
ACZ02E – 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 Weighed Composite Mineral Potential information compiled for the Tasmanian Regional Forest Agreement).

Mineral deposit information derived from Mineral Resources Tasmania DEPOSITS data base. Data point location 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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