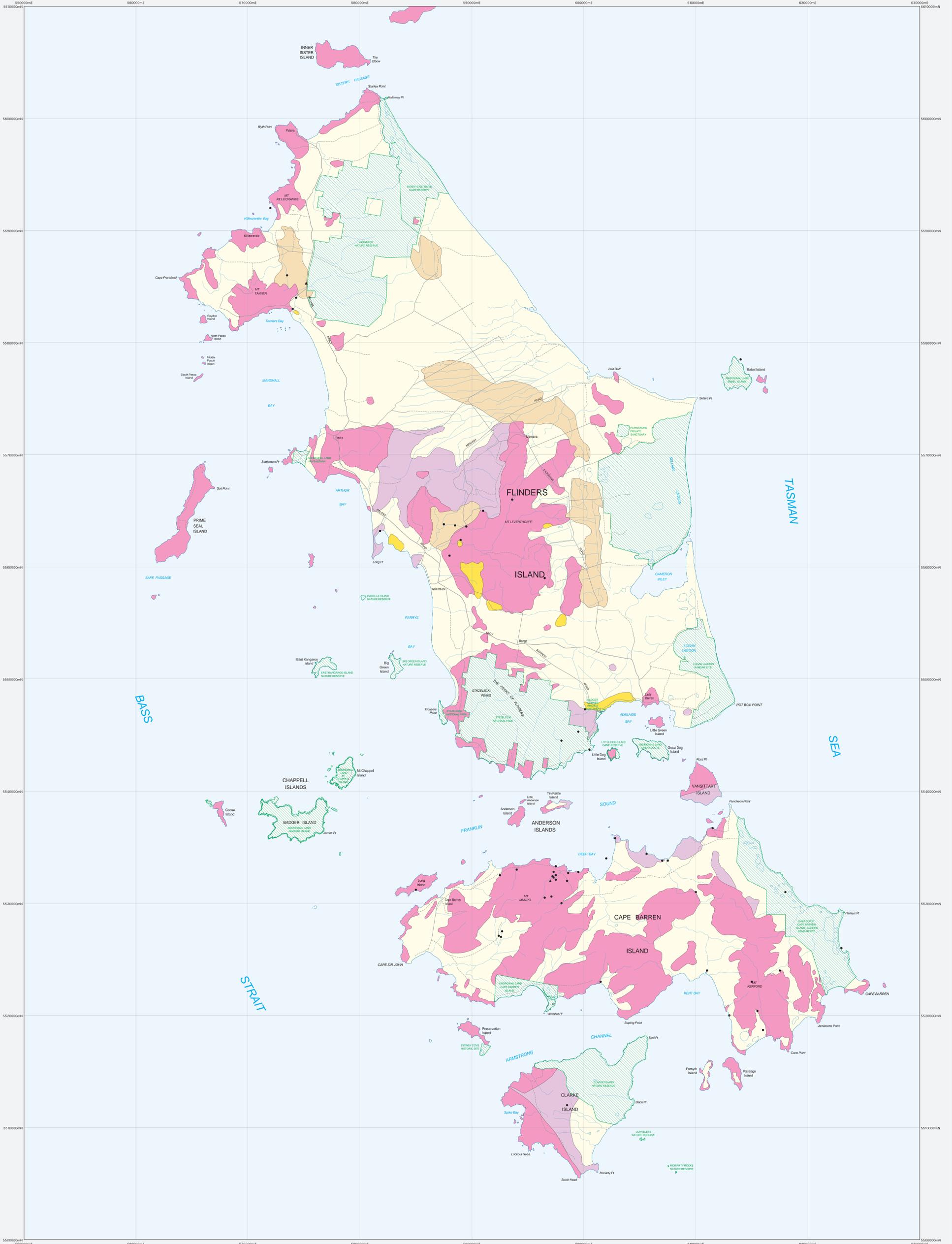


MAP 2A – SIMPLIFIED GEOLOGY AND AREAS OF HIGHEST MINERAL EXPLORATION AND MINING POTENTIAL



- | | | |
|---|--|--|
| QUATERNARY 0 – 1.8 million years before present
Gravel, sand, clay, mud and minor limestone. | TRIASSIC 205 – 251 million years before present
Sandstone and mudstone, minor black coal, basalt and volcanic sediments. | LATE – MIDDLE CAMBRIAN 490 – 510 million years before present
Foliated, chlorite and albite schists; rocks of various compositions, and related meta-igneous rocks, sandstone, siltstone and conglomerate (located in Deep Water Bay). |
| TERTIARY 1.8 – 65 million years before present
Unconsolidated or cemented gravel, sand, silt and clay, minor limestone and brown coal.
Basalt and related sediments. | PERMIAN – LATE CARBONIFEROUS 251 – 314 million years before present
Mudstone, pebbly mudstone, sandstone and conglomerate, minor limestone, black coal and of shale. | MIDDLE – EARLY CAMBRIAN 510 – 545 million years before present
Serpentine and greenstones. Deformed and metamorphosed igneous and metabasic igneous rocks of various compositions, and associated sandstone, mudstone and chert. |
| CRETACEOUS 65 – 141 million years before present
Intrusive and volcanic igneous rocks of various compositions (Cygnet and Cape Portland areas only). | EARLY CARBONIFEROUS – ORDOVICIAN 340 – 490 million years before present
Granite and related intrusive and minor volcanic igneous rocks of various compositions.
Foliated and locally deformed sandstone, quartzite, siltstone, shale and slate, minor quartz veining. | NEOPROTEROZOIC 545 – 1000 million years before present
Deformed and metamorphosed basic volcanic rocks and associated sandstone, siltstone, shale, siltstone, chert and breccia. |
| JURASSIC 141 – 205 million years before present
Dolomite. | ORDOVICIAN 434 – 490 million years before present
Limestone and minor sandstone, siltstone and shale. | MESOPROTEROZOIC 1000 – 1600 million years before present
Granite (King Island only).
Deformed and metamorphosed quartzite, siltstone, siltstone, conglomerate, siltstone and dolomite. |
| MIDDLE ORDOVICIAN – LATE CAMBRIAN 460 – 500 million years before present
Foliated 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, irrespective of the nature of the underlying rocks or the type of mineral resource.

Note: Land outside the highly prospective areas, except Reserved Land, can still be subject to exploration and mining tenements.

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
AG066 – AMS Zone 55
Contour Interval: 100 metres

INDEX TO ADJOINING MAP SHEETS

MUNICIPAL PLANNING INFORMATION SERIES
MAP 2A