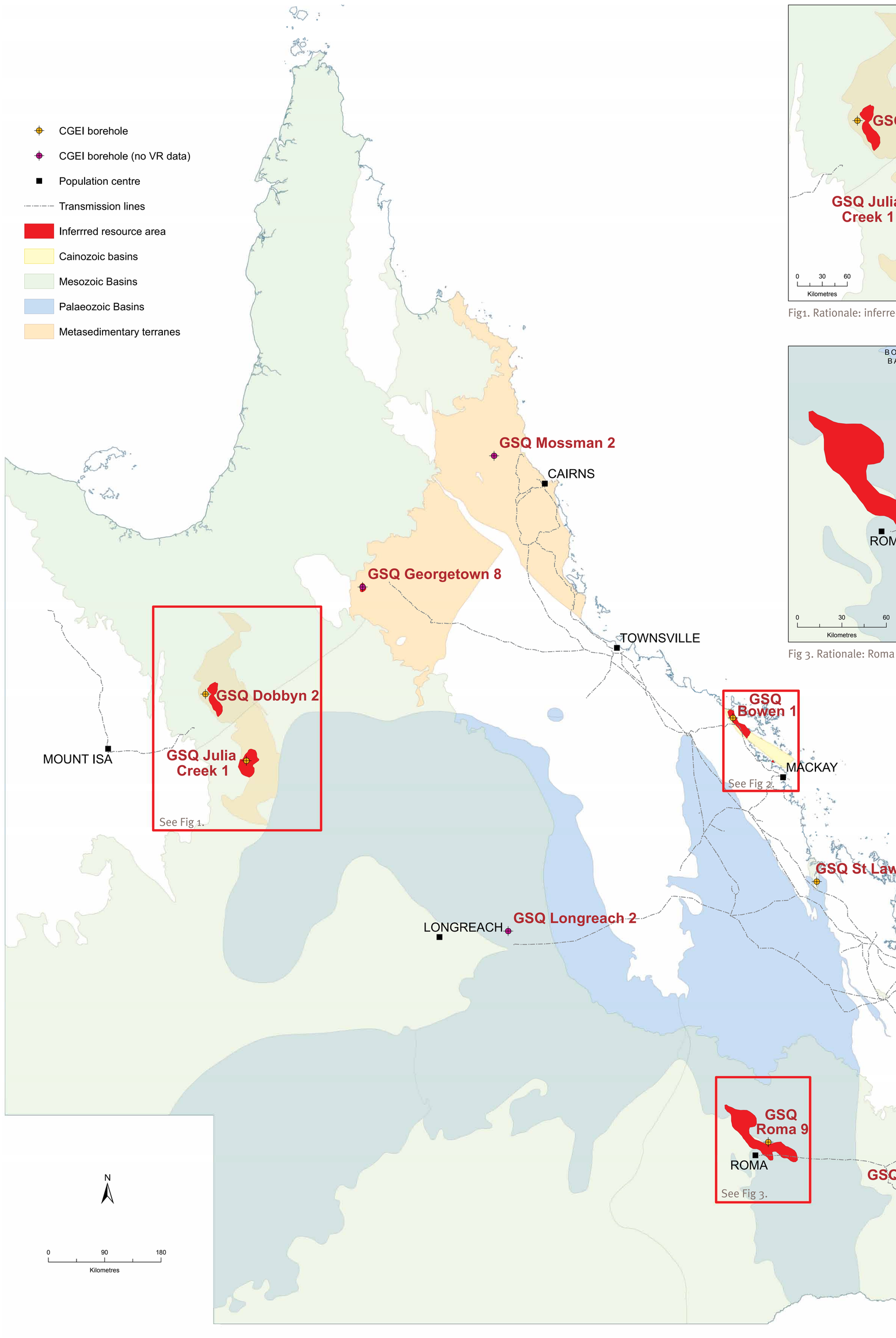
Coastal Geothermal Energy Initiative (CGEI)

Inferred resource areas



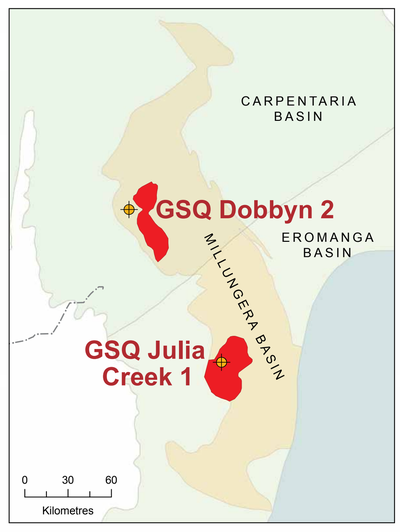


Fig1. Rationale: inferred intrusives at depth

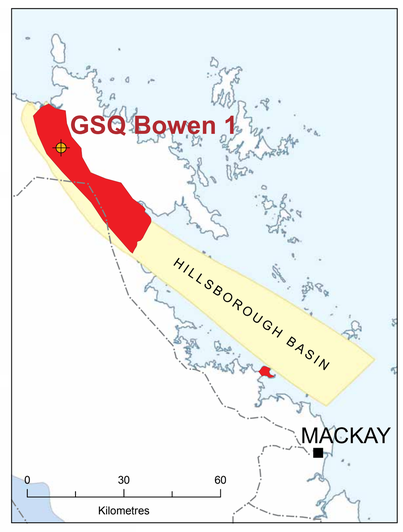


Fig 2. Rationale: onshore Cape Hillsborough beds

Fig 3. Rationale: Roma granites at depth

Fig 4. Rationale: maximum thickness of Nambour and Maryborough basins

Borehole Name	Tectonic Unit	Heat flow (mW/m^2)	Temperate at 5 km depth (°C)	Resource volume (km^3)	Thermal energy estimate (PJ)
GSQ Mossman 2	Hodgkinson Province	77.0 ± 0.9	156 ± 10	–	–
GSQ Georgetown 8	Georgetown Inlier	48.5 ± 2.3	122 ± 6	–	–
GSQ Bowen 1	Hillsborough Basin	71.0 ± 2.3	204 ± 16	520	143758
GSQ St Lawrence 1	Styx Basin	64.3 ± 1.1	170 ± 16	–	–
GSQ Maryborough 16	Maryborough Basin	67.4 ± 2.9	206 ± 14	527	145644
GSQ Gympie 7	Tarong Basin	37.5 ± 1.5	106 ± 9	–	–
GSQ Dobbyn 2	Millungera Basin (north)	107.0 ± 1.7	212 ± 15	817	261025
GSQ Longreach 2	Galilee Basin (north-east)	60.0 ± 2.5	140 ± 13	–	–
GSQ Roma 9	Surat Basin (Roma Shelf)	82.2 ± 2.4	204 ± 14	596	155410
GSQ Julia Creek 1	Millungera Basin (south)	113.0 ± 2.8	239 ± 18	1545	553995

Borehole Name	Thermal conductivity	Temperature logs	Vitrinite reflectance	Hylogger	Core available	Well completion report
GSQ Mossman 2	✓	✓	–	✓	✓	✓
GSQ Georgetown 8	✓	✓	–	✓	✓	✓
GSQ Bowen 1	✓	✓	✓	✓	✓	✓
GSQ St Lawrence 1	✓	✓	✓	✓	✓	✓
GSQ Maryborough 16	✓	✓	✓	✓	✓	✓
GSQ Gympie 7	✓	✓	–	✓	✓	✓
GSQ Dobbyn 2	✓	✓	✓	✓	✓	✓
GSQ Longreach 2	✓	✓	–	✓	✓	✓
GSQ Roma 9	✓	✓	✓	✓	✓	✓
GSQ Julia Creek 1	✓	✓	✓	✓	✓	✓

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