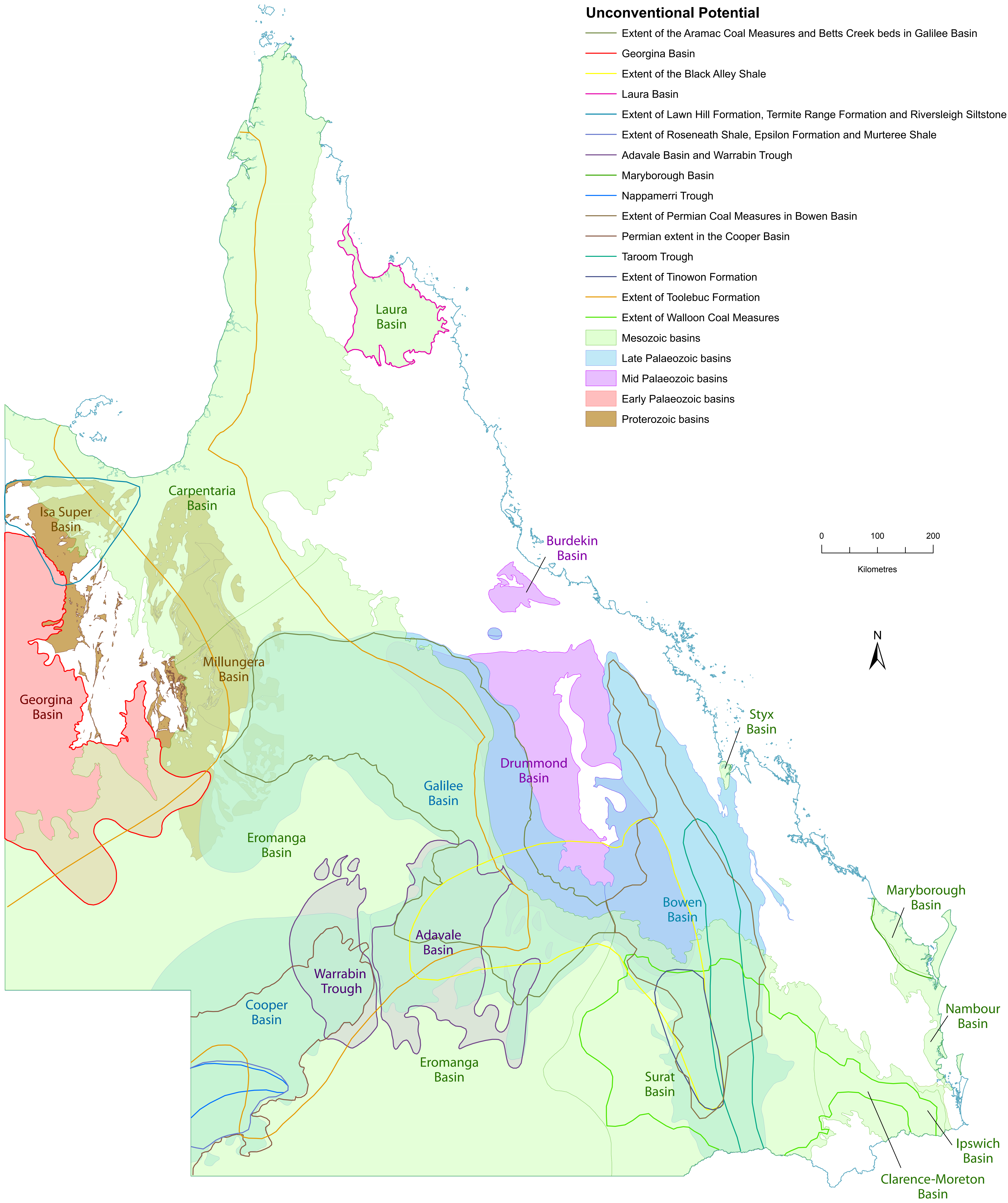


Unconventional petroleum potential



Basin	Formation	Environment	Thickness (m)	Top Depth	TOC	Rv	Resource Target
Laura Basin	Dalrymple Sandstone	Fluvio-deltaic	329 to 527 m	442 to 592 m	0.91 to 12.90%	0.81%	Shale Gas or Tight Gas
Maryborough Basin	Maryborough Formation	Marginal Marine to Estaurine	up to 2245 m	Outcrop to 865 m	approx 1.5%	up to 2.88%	Shale Gas or Tight Gas
Maryborough Basin	Tiaro Coal Measures	Fluvio-lacustrine	6 to >430 m	Outcrop to 592 m	Coal	up to 3.02%	CSG or Shale Gas
Eromanga Basin	Winton Formation	Fluvio-lacustrine	400 to 1000 m	Outcrop to 1060 m	Coal	0.3 to 0.5%	CSG
Eromanga Basin	Toolebuc Formation	Restricted Marine	20 to 45 m	Outcrop to 1640 m	0.2 to 26.1%	0.35 to 0.55%	Shale Gas
Eromanga Basin	Birkhead Formation	Fluvio-deltaic to lacustrine	up to 580 m	Outcrop to 2180 m	0.75 to 6.3%	up to 1%	Shale Gas
Eromanga Basin	Westbourne Formation	Fluvio-lacustrine	70 to 130 m	Outcrop to 2046 m	0.51 to 2.18%	0.7 to 0.8%	Shale Gas
Eromanga Basin	Poolowanna Formation	Fluvio-lacustrine	up to 165 m	370 to 2450 m	0.6 to 17.9%	up to 1.2%	Shale Gas
Surat Basin	Walloon Coal Measures	Fluvio-lacustrine	up to 507 m	Outcrop to 1660 m	Coal	0.35 to 0.6%	CSG
Cooper Basin	Roseneath Shale	Lacustrine	20 to 80 m	1360 to 2530 m	1.00%	1 to 4%	Shale Gas
Cooper Basin	Epsilon Formation	Prograding delta	30 to >60 m	1370 to 2625 m	3.7 to 7.5%	0.6 to 1.6%	Tight Gas
Cooper Basin	Murteree Shale	Deep, freshwater lacustrine	Average of 50 m, up to 80 m	1370 to 2680 m	2.50%	1 to 4%	Shale Gas
Cooper Basin	Patchawarra Formation	Fluvio-lacustrine	up to 550m	1375 to 2990 m	Coal	up to 3.6%	Shale Gas or Tight Gas
Cooper Basin	Toolachee Formation	Fluvio-lacustrine	20 to 50 m	1360 to 2950 m	up to 7.2%	up to 2.4%	Shale Gas or Tight Gas
Bowen Basin	Bandanna Formation	Deltaic	up to 173m	Outcrop to 2900m	Coal	approx. 0.9%	CSG
Bowen Basin	Baralaba Coal Measures	Fluvial	up to 556m	Outcrop to 2982m	Coal	0.55 to 2.1%	CSG
Bowen Basin	Moranbah Coal Measures	Fluvial	up to 760m	Outcrop to 790m	Coal	>1.1%	CSG
Bowen Basin	Black Alley Shale	Marine to lacustrine	up to 350 m	45 to 2030 m	0.29 to 10.18%	0.52 to 0.98%	Shale Gas
Bowen Basin	Tinowon Formation	Deltaic	50 to 70 m	890 to 2830 m	-	0.52 to 0.98%	Tight Gas
Galilee Basin	Aramac Coal Measures	Fluvial and peat swamp	31 to 272 m	757 to 1600 m	Coal	0.39 to 5.2%	CSG or Shale Gas
Galilee Basin	Betts Creek Beds	Fluvial and peat swamp	50 to 210 m	approx 900 m	Coal	0.70 to 8.75%	CSG or Shale Gas
Galilee Basin	Lake Galilee Sandstone	Fluvial	85 to 287 m	1055 to 2734 m	-	up to 1.77%	Tight Gas
Adavale Basin	Log Creek Formation	Marine shelf sediments	>755 m	approx 3100 m	up to 1.55%	1.4 to 1.6%	Shale Gas or Tight Gas
Adavale Basin	Lissoy Sandstone	Nearshore, shallow marine to restricted marine	up to 470 m	approx 2780 m	-	1.4 to 1.6%	Shale Gas or Tight Gas
Adavale Basin	Cooladdi Dolomite	Lagoonal to back reef	up to 85 m	approx 2500 m	-	1.4 to 1.6%	Shale Gas or Tight Gas
Georgina Basin	Arrinrhunga Formation	Carbonate and siliciclastic shelf	138 to 835 m	64 to 726 m	up to 9.6%	up to 0.6% ¹	Shale Gas or Tight Gas
Georgina Basin	Inca Shale	Marine	>133 m	Oucrop to 3216 m	up to 2.82%	CCAI* of 1 to 1.5	Shale Gas or Tight Gas
Georgina Basin	Thorntonia Limestone	Peritidal to restricted shallow marine	13 to 104 m	Outcrop to 1960 m	up to 8.7% in NT wells	-	Shale Gas or Tight Gas
Georgina Basin	Beetle Creek Formation	Marine	27 to >172 m	Outcrop to 1018 m	0.19 to 1.51%	CCAI* of 1 to 1.5	Shale Gas
Georgina Basin	Georgina Limestone	Tidal shallow marine	>33.2 to 759 m	Outcrop to 2457 m	EOM* up to 2000ppm	TAI ¹ of 2.25 to 2.50	Shale Gas or Tight Gas
Isa Superbasin	Lawn Hill Formation	Mid to outer shelf	up to 2,200 m	Outcrop to 2000 m	up to 7%	-	Shale Gas
Isa Superbasin	Termite Range Formation	Turbidite fan	up to 1,300 m	Outcrop to 2500 m	up to 8%	-	Shale Gas
Isa Superbasin	Riversleigh Siltstone	Mid to outer shelf	up to 2,900 m	Outcrop to 4500 m	up to 8%	-	Shale Gas

*Conodont Colouration Alteration Index ¹Analysis only from PGA Bradley 1



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