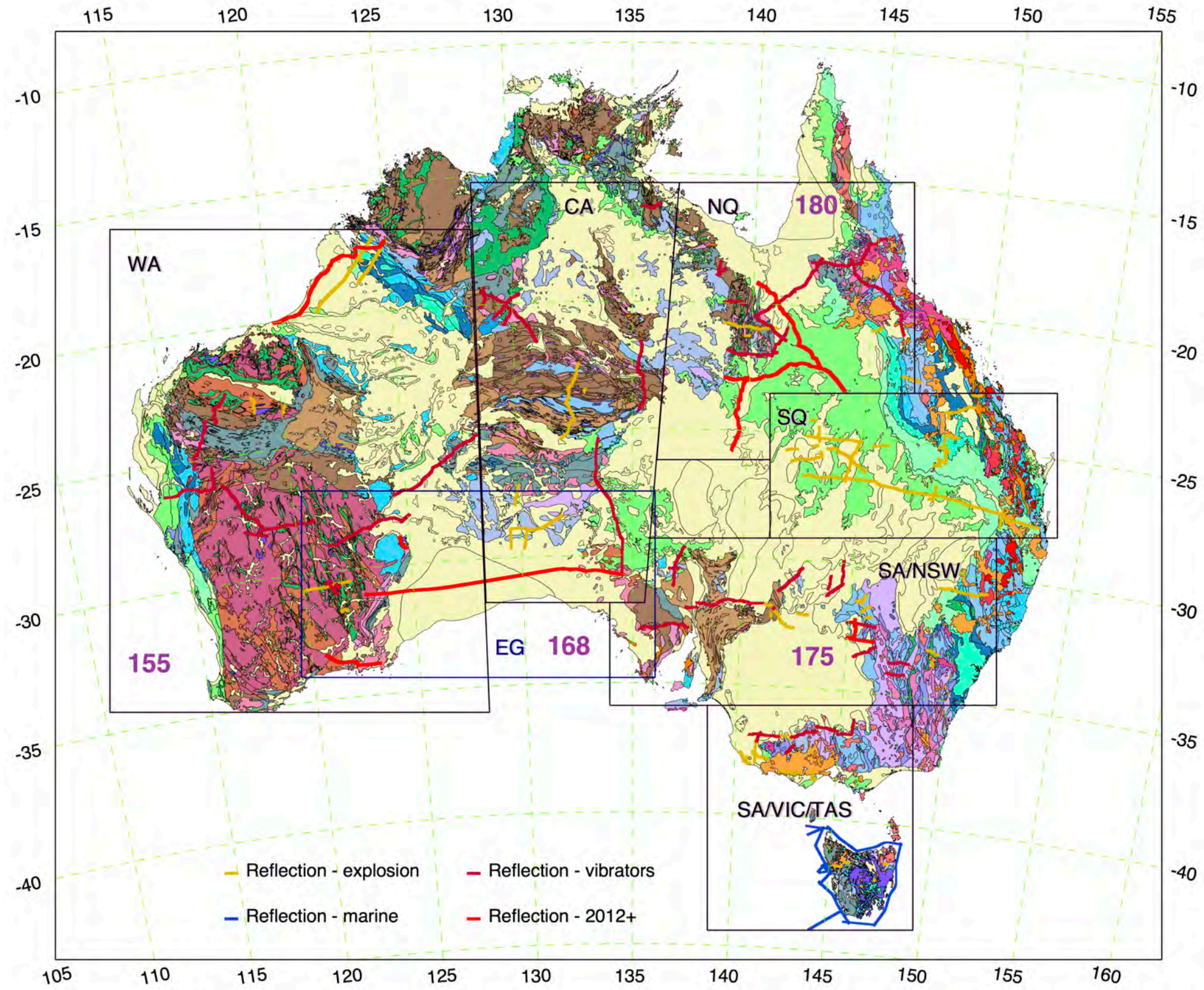


### Geographic Groups for Full-crustal Reflection Profiles 1978-2015

For the period from 2012-2015 we introduce a new region to encompass the Eucla-Gawler Profile, which runs from Western Australia into South Australia. The set of regional groups are outlined with reference to the page for the key diagram for the profiles conducted in 2012-2015.





Legend for 1:1 000 000 and 1:2 500 000 Surface Geology

CENOZOIC UNITS (mainly unconsolidated deposits)

<b>Quaternary</b>	<b>Cenozoic</b>
Q Quaternary sediments, undivided	Czu Cenozoic sediments, undivided
Qa Channel and flood plain alluvium; gravel, sand, silt, clay	Cza Alluvial deposits; typically incised by current drainage
Qb Volcanic rocks, predominantly mafic	Czb Volcanic rocks, predominantly mafic
Qd Dunes, sand plain with dunes	Czc Consolidated siliclastic rocks
Qdc Coastal dunes, beach ridge, barrier beach, foredune and shoreface sands	Cze Estuarine and delta deposits
Qe Estuarine, tidal delta deposits; coastal mud flats	Czf Felsic to intermediate volcanic rocks
Qi Carbonate sediments	Czg Felsic intrusive rocks
	Czi Carbonate sediments
Qk Calcrete	Czk Calcrete
Qrc Colluvium and/or residual deposits; boulder, gravel, sand	Czl Laterite, ferruginous duricrust
Qrlb Black soil plains	Czq Spring deposits
Qsg Glacial sediments, moraine	Czs Sand plain
Qsm Anthropogenic deposits; mining waste, salt pans	Czt Lake and swamp deposits
Qt Lake and swamp deposits; mud, silt, evaporites, limestone, minor sand	Czu Ultramafic intrusive rocks
Qv Volcanics, undivided	Czz Silcrete

SEDIMENTARY ROCKS AND LOW-GRADE METAMORPHIC ROCKS

mudstone, siltstone, sandstone, conglomerate (s), limestone (l), coal measures (o), volcanogenic sediments (j), mixed sediments and volcanic rocks (w), chemical sediments (c)

IGNEOUS ROCKS

Volcanic rocks

Intrusive rocks

METAMORPHIC ROCKS

<b>Felsic</b>	<b>Intermediate</b>	<b>Mafic to ultramafic</b>	<b>Felsic to mafic</b>	<b>Felsic</b>	<b>Mafic</b>	<b>Mafic to ultramafic</b>
(f), metamorphosed (r)	(a)	metamorphosed (t), mixed intrusives (i)	(v)	(g), quartz vein (q)	(d), metamorphosed (t)	(u), metamorphosed (e), alkaline ultrabasic (k)

<b>Low-medium grade</b>	<b>High-grade</b>	<b>Fault/shear rocks</b>
metacarbonate (m), siliclastic (y), hornfels (h)	metamorphics (n), complexes (x)	(z)



Note: Geological units which span multiple time periods have symbols showing the oldest and youngest time periods. e.g. Cambrian to Ordovician sedimentary rocks = -COs; Paleoproterozoic to Mesoproterozoic high grade metamorphics = LMn

This text is taken from *Deep Crustal Seismic Reflection Profiling: Australia 1978–2015*,  
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