



RLUs_Polygons Legend

TRANSPORTED REGOLITH

- Alluvial sediments
- Aap1** Red-brown sand, silt and clay with lithic clast quartz fragments and sub rounded to sub angular gravel. Dominated by shrubland.
- Aap2** Red-brown sand, silt and clay with angular non-spherical lithic quartz fragments up to pebble size with angular non-spherical quartzose lag up to cobble size with angular magnetic pisoliths. Dominated by shrubland and grass with isolated, white cypress pine (*Callitris glaucophylla*).
- ACah1** This unit has a flat-bottomed channel approximately 2-4 m wide and 2 m deep. Regolith materials present include yellow-brown sand and silt with sub-rounded, non-spherical lithic clasts up to medium pebble size and rounded, spherical ferruginous magnetic pisoliths up to granule size. Vegetation includes white cypress pine (*Callitris glaucophylla*), bumble box (*E. populnea subs. Bimbi*) shrubland of budda (*Eremophila mitchellii*) and hop bush (*Dodonea viscosa subsp.*).
- ACah2** This regolith-landform unit runs through the north-eastern corner of the mapping region. This unit has a flat-bottomed channel approximately 2 m wide and 0.5 m deep. Regolith materials include dark brown sand, silt and clay with sub-rounded, non-spherical lithic clast up to medium pebble size and rounded, spherical ferruginous magnetic pisoliths up to granule size. The dominant vegetation is white cypress pine (*Callitris glaucophylla*)
- Aed1** Sub-rounded to sub-angular quartz and lithic sand, silt, and clay. Occasionally gravels are found within depressions containing minor channels. Vegetation includes shrubs with isolated showy daisy bush (*Olearia pimeleoides*), mulga grass (*Thyridolepis mitchellian*) and *Solanum* species.
- Apd1** Sub-rounded to sub angular quartz and lithic sand silt and minor gravels within low relief areas. Vegetation includes low wilga (*Geijera parviflora*), the grey copper burr (*Sclerolaena diacantha*) and crimson foxtail (*Ptilotus atriplicifolius*)

Colluvial sediments

CHer1 This unit is characterised by its slight relief (0-9m). Regolith material present consists of yellow-brown sand and silt with very angular, non-spherical lithic clasts up to cobble size. Sub-angular, non-spherical ferruginous materials up to medium size and sub-angular, non-spherical ferruginous pisoliths up to gravel size. The regolith material is poorly sorted. Vegetation includes scattered white cypress pine (*Callitris glaucophylla*), bumble box (*E. populnea subsp. Bimbi*), red box (*E. intertexta*) and low wilga (*Geijera parviflora*), the grey copper burr (*Sclerolaena diacantha*) crimson foxtail (*Ptilotus atriplicifolius*), galvanized burr (*S. burchii*), silver cassia (*Senna species*), showy daisy bush (*Olearia pimeleoides*), mulga grass (*Thyridolepis mitchelliana*), *Solanum* species, wheat grass, red grass, stubble from mixed grain crop, saffron thistle, black oats and broom.

This unit is characterized by its elevated slope (>5 %) and its increased topographic relief (0-9m). Regolith materials include brown sand and silt with very angular, non-rounded, non-spherical, ferruginous magnetic pisoliths up to granule size. Vegetation includes white cypress pine (*Callitris glaucophylla*), bumble box (*E. populnea subsp. Bimbi*), red box (*E. intertexta*) and low wilga (*Geijera parviflora*), the grey copper burr (*Sclerolaena diacantha*), crimson foxtail (*Ptilotus atriplicifolius*), galvanized burr (*S. burchii*), silver cassia (*Senna species*), showy daisy bush (*Olearia pimeleoides*), mulga grass (*Thyridolepis mitchelliana*), *Solanum* species, native wheat grass, red grass, stubble from mixed grain crop, saffron thistle, black oats and broom.

This regolith-landform unit is in the northern margins of the mapping region. This unit is characterized by its slight elevated slope (>5%) and increased topographic relief (0-9m). The dominant regolith materials include brown sand and silt with ferruginous, poorly sorted lithic clasts up to cobble size with angular, non-spherical quartzose materials also up to cobble size and coarse lithic quartz, sand and gravel lags with maghemite. Vegetation includes white cypress pine (*Callitris glaucophylla*), bumble box (*E. populnea subsp. Bimbi*), red box (*E. intertexta*) and low wilga (*Geijera parviflora*), the grey copper burr (*Sclerolaena diacantha*), crimson foxtail (*Ptilotus atriplicifolius*), galvanized burr (*S. burchii*), silver cassia (*Senna species*), showy daisy bush (*Olearia pimeleoides*), mulga grass (*Thyridolepis mitchelliana*), *Solanum* species, native wheat grass, red grass, stubble from mixed grain crop, saffron thistle, black oats and broom.

This regolith-landform unit contains sub angular to rounded lithic quartz, sand and gravels within low relief areas. Other surface materials are red-brown loamy soil and silt with a lot of ferruginous materials and minor maghemite. Angular and non-spherical lithic quartz up to pebble size are very common. Vegetation includes white cypress pine (*Callitris glaucophylla*), bumble box (*E. populnea subsp. Bimbi*), red box (*E. intertexta*) and low wilga (*Geijera parviflora*), the grey copper burr (*Sclerolaena diacantha*), crimson foxtail (*Ptilotus atriplicifolius*), galvanized burr (*S. burchii*), silver cassia (*Senna species*), showy daisy bush (*Olearia pimeleoides*), mulga grass (*Thyridolepis mitchelliana*), *Solanum* species, native wheat grass, red grass, stubble from mixed grain crop, saffron thistle, black oats and broom.

This unit contains red-brown loamy sand and silt with lots of ferruginous materials. Angular and non-spherical lithic quartz up to cobble size are very common. Vegetation includes scattered white cypress pine (*Callitris glaucophylla*), bumble box (*E. populnea subsp. Bimbi*), Red Box (*E. intertexta*) and low wilga (*Geijera parviflora*), the grey copper burr (*Sclerolaena diacantha*), crimson foxtail (*Ptilotus atriplicifolius*), galvanized burr (*S. burchii*), silver cassia (*Senna species*), showy daisy bush (*Olearia pimeleoides*), mulga grass (*Thyridolepis mitchelliana*), *Solanum* species, native wheat grass, red grass, stubble from mixed grain crop, saffron thistle, black oats and broom.

FILL

- Fill
- Fm1** Paved main Barrier Highway and Nyngan to Cober Railway line. Vegetation includes native species.
- Fm2** Paved and landscaped area including the immediate surroundings of Domestic dwelling, dug out water tanks and farm machinery. Surface lags are highly variable. Vegetation includes abundant species in most cases.

IN-SITU REGOLITH

Saprock

SMer1 This regolith material includes microcrystalline quartz vein, serpentinite ultramafic rock, kaolinite, chlorite schist and micaceous quartzite. Vegetation includes scattered white cypress pine (*Callitris glaucophylla*), bumble box (*E. populnea subsp. Bimbi*), red box (*E. intertexta*) and low wilga (*Geijera parviflora*), the grey copper burr (*Sclerolaena diacantha*), crimson foxtail (*Ptilotus atriplicifolius*), galvanized burr (*S. burchii*), silver cassia (*Senna species*), showy daisy bush (*Olearia pimeleoides*), mulga grass (*Thyridolepis mitchelliana*), *Solanum* species, native wheat grass, red grass, stubble from mixed grain crop, saffron thistle, black oats and broom.

Regolith¹

- A - Alluvial Sediments
AC - Channel Sediments
CH - Colluvial Sediments
F - Fill
SM - Moderately Weathered Bedrock

Landforms¹

- a - Alluvial Landform
ap - Alluvial Plain
pd - Depositional Plain
ed - Drainage Depression
er - Erosional Rise
m - Man Made

¹C. Pain, R. Chan, M. Craig, D. Gibson, P. Ursem & J. Wilford, RTMAP Regolith Database Field Book and Users Guide (Second Edition)

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