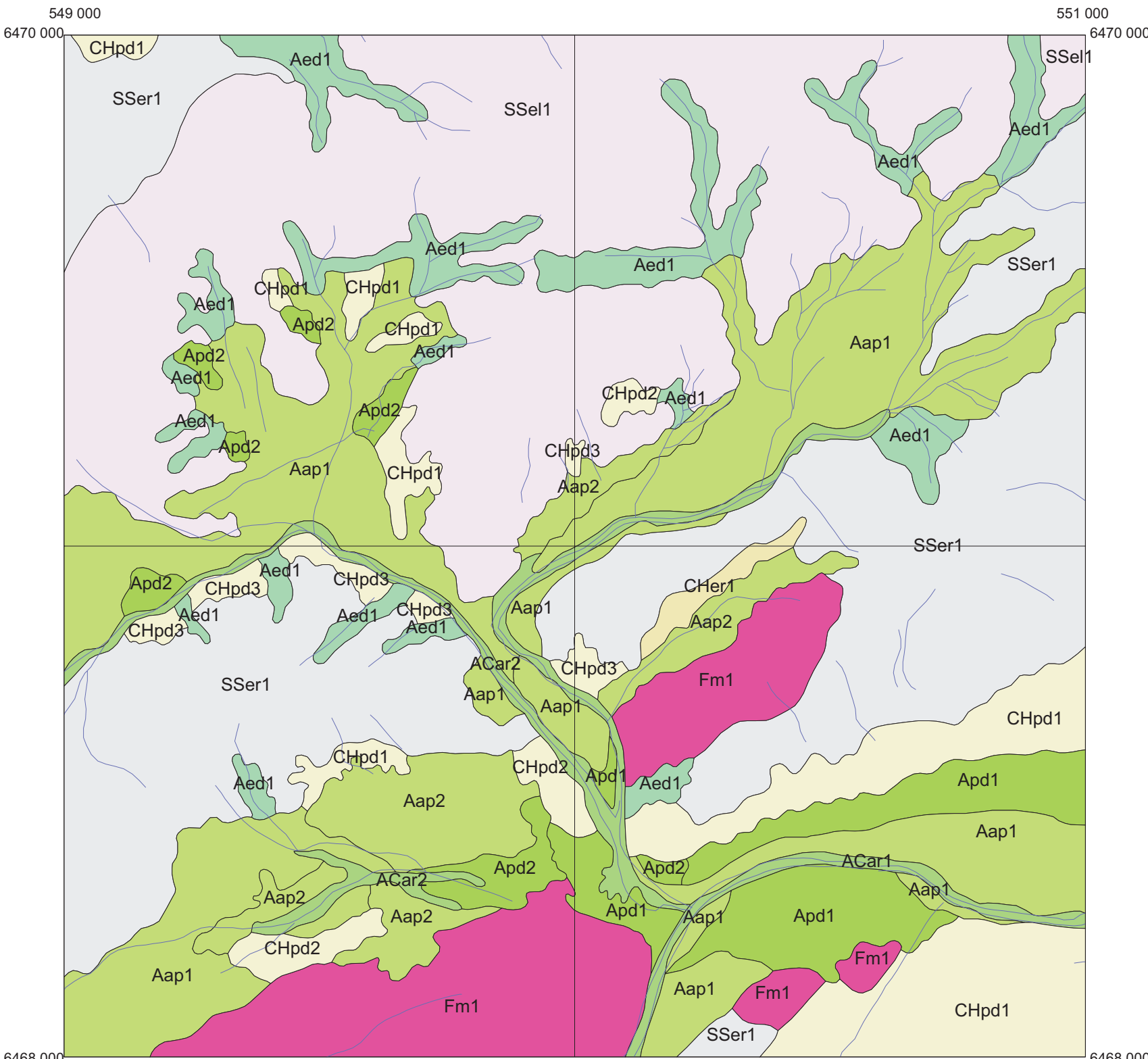


The Flying Doctor Catchment 1:10 000 Regolith-Landforms



TRANSPORTED REGOLITH

- Alluvial sediments** *Alluvial sediments*
- Aap1** Red-brown quartzose silt and sand on a low relief land surface with numerous channels (<20 cm deep). Angular to sub-rounded fine quartz and lithic gravels. Chenopod shrublands dominated by *Acacia victoriae*, *Maireana pyramidata*, *Rhagodia spinescens* and *Atriplex vesicaria* with minor *Bassia spp.*
 - Aap2** Red-brown quartzose silt and sand on a low relief land surface with numerous channels (<20 cm deep). Angular to sub-rounded predominantly quartz gravel lag. Chenopod shrubland dominated by *Acacia victoriae*, *Maireana pyramidata*, *Rhagodia spinescens* and *Atriplex vesicaria* with minor *Bassia spp.*
 - Aed1** Red-brown quartzose silt and sand with fine quartz and lithic gravels, minor bedrock exposures and some sub-angular to sub-rounded lithic pebbles in elongate drainage depressions. Chenopod shrubland dominated by *Maireana pyramidata* and *Sida petrophila*.
 - Apd1** Red-brown quartzose silt and sand on low lying areas with very minor channels (<30 cm deep). Minor clay and sub-angular to sub-rounded quartz and lithic gravels, and pebbles. Chenopod shrubland dominated by *Atriplex nummularia*.
 - Apd2** Red-brown quartzose silt and sand on low lying areas between creeks with very minor channels (<30 cm deep). Minor clay and sub-angular to sub-rounded quartz and lithic gravels, and pebbles. Chenopod shrubland dominated by *Maireana pyramidata*.
- Channel deposits**
- ACar1** Brown-grey quartzose silt and sand in an incised, meandering channel (<1.5 m deep). Quartz and lithic gravels and pebbles with minor bedrock exposure. Open woodlands dominated by *Eucalyptus camaldulensis*.
 - ACar2** Brown-grey quartzose silt and sand on an incised, meandering channel (<1.5 m deep). Quartz and lithic gravels and pebbles with minor bedrock exposure. Open woodlands dominated by *Acacia victoriae*.

Colluvial sediments

- Sheet flow deposit*
- CHer1** Red-brown quartzose silt and sand on slight topographic relief. Surface lag of coarse lithic and quartzose sands and gravels conforming to a contour banding surface pattern. Chenopod shrubland dominated by *Maireana pyramidata*.
 - CHpd1** Red-brown quartzose silt and sand on a low relief land surface. Surface lag of quartzose and lithic gravels. Chenopod shrubland dominated by *Maireana pyramidata*, *Bassia spp.* and *Maireana sedifolia*.
 - CHpd2** Red-brown quartzose silt and sand on a low relief land surface. Surface lag of quartzose dominated gravels. Chenopod shrubland dominated by *Maireana pyramidata*, *Bassia spp.* and *Maireana sedifolia*.
 - CHpd3** Red-brown quartzose silt and sand on a low relief land surface. Surface lag of lithics dominated gravels. Chenopod shrubland dominated by *Maireana pyramidata*, *Bassia spp.* and *Maireana sedifolia*.

Fill

- Fill*
- Fm1** Paved and landscaped area including the immediate surrounds of mine sites. Surface lags are highly variable. Vegetation is typically cleared and/or includes abundant exotic species.

IN-SITU REGOLITH

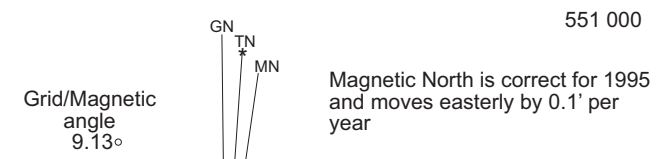
- Saprolith** *Saprock*
- SSel1** Exposed bedrock with moderate topographic relief (30 m to 90 m) and surficial weathering. Angular to sub-rounded fine quartz and lithic gravels, angular to sub-angular quartz and lithic pebbles. Chenopod shrubland dominated by *Maireana pyramidata*, *Acacia tetragonophylla*, *Acacia aneura* and *Maireana sedifolia*.
 - SSer1** Bedrock exposure with surficial weathering, minor silt and fine sand. Angular to sub-rounded fine quartz and lithic gravels, angular to sub-angular quartz and lithic pebbles. Chenopod shrubland dominated by *Maireana pyramidata*, *Acacia tetragonophylla*, *Acacia aneura* and *Maireana sedifolia*.

Regolith ¹	Landforms ¹
A - Alluvial Sediments	a - Alluvial Landform
AC - Channel Sediments	ap - Alluvial Plain
CH - Colluvial Sediments	pd - Depositional Plain
F - Fill	er - Erosional Rise
SS - Weathered bedrock	el - Erosional Low Hill

Compiled by K.L. Earl (GA/CRC LEME), M. Thomas (GA/CRC LEME), K.A. Foster (CRC LEME/GA) and S.M. Hill (CRC LEME/UC), 2002.
Cartography and GIS by K.L. Earl (GA/CRC LEME) and K.A. Foster (CRC LEME/GA).

The regolith-landform polygons on this map are based on interpretation of 1:50 000 aerial photographs, and extensive field mapping. It is the intention of this map to identify and characterise surface materials and processes in the prospective area relatively void of bedrock. The drainage data was courtesy of Pasminco Mining.

It is recommended that this map be referred to as:
Earl, K.L., Thomas, M., Foster, K.A. & Hill, S.M., 2002. The Flying Doctor Catchment Regolith-Landform Map (1:10 000 scale) Cooperative Research Centre for Landscape, Environments and Mineral Exploration (CRC LEME), Canberra/Perth.



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¹C Pain, R Chan, M Craig, D Gibson, P Ursem & J Wilford (in press), RTMAP Regolith Database Field Book and Users Guide (Second Edition). CRC LEME Report 138.