Characteristic Soils of South-Western Australia

(Based on proportional allocation of soil groups to soil-landscape systems, April 2002)

SOILS WITH SHALLOW WATERTABLES
- Non-saline watertables
  - Wet and semi-wet soils, pale deep sands
- Saline watertables
  - Salt lake and saline soils

GRAVELLY SOILS
- Gravels, usually in a loamy matrix
  - Loamy gravels, also duplex sandy gravels, loamy earths
- Gravels, usually in a sandy matrix
  - Duplex sandy gravels, deep sandy gravels, also deep sands, sandy duplexes and wet soils
- Gravels in a sandy or loamy matrix
  - Sandy gravels, loamy gravels and shallow gravels

DEEP SANDY SOILS
- Calcareous
  - Calcareous deep sands
- Non-calcareous (siliceous)
  - Coloured sands (yellow, brown and minor red), some gravelly soils
  - Pale sands (grey and yellow), some wet soils

DEEP SANDY AND SANDY EARTH SOILS
- Yellow deep sands, yellow and brown sandy earths (often with gravelly subsoil)

LOAMY EARTH SOILS
- Non-calcareous
  - Non-calcareous brown to red loamy earths
- Calcareous
  - Calcareous loamy earths

Shallow
- Red shallow loams and red-brown hardpan soils

TEXTURE CONTRAST SOILS
- Subsoils usually sodic
  - Sandy duplexes
    - Grey sandy duplexes (with gravel over non-alkaline clay)
    - Non-calcareous subsoils
    - Complex of alkaline and non-alkaline (often highly sodic) subsoils
    - Grey sandy duplexes and saline wet soils
  - Sandy and loamy duplexes
    - Non-alkaline subsoils
    - Alkaline subsoils (usually calcareous and highly sodic)
  - Loamy duplexes
    - Red loamy duplexes

CLAYEY SOILS
- Clays, some red and calcareous earths and red duplexes

ROCKY OR STONY SOILS
- Mixed soils

Reference
- Projection: Universal Transverse Mercator Zone 50
- Grid: Geocentric Datum of Australia 1994
- Source data: Soil-landscape systems mapping at various scales (1:50,000 - 1:250,000)
- Date: April 2002

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