



**SOUTHERN SOUTH AUSTRALIA
LAND TYPES**

SOILS FORMED ON BASEMENT ROCK

- Non arable hills and rises with shallow stony soil and variable rock outcrop
- Low hills and rises with mainly acid to neutral, loam to clay loam texture contrast soil
- Low hills and rises with mainly acid to neutral, sandy to sandy loam texture contrast soil
- Low hills and rises with mainly sandy to loamy, texture contrast soil with calcareous subsoil
- Low hills and rises with mainly neutral to alkaline gradational soil, calcareous soil and / or shallow stony soil

SOILS FORMED ON DEEPLY WEATHERED MATERIAL WITH IRONSTONE

- Plateaux, rises and low hills with mainly acid to neutral sandy to loamy texture contrast or gradational soil with ironstone

SOILS FORMED ON UNCONSOLIDATED SEDIMENTS / DEEPLY WEATHERED ROCK

- Rises and plains with mainly neutral to alkaline, sandy texture contrast soil with calcareous subsoil
- Rises and plains with mainly loamy texture contrast or gradational soil
- Rises and plains with mainly calcareous soil
- Rises, plains and low hills with mainly acid to neutral, sandy texture contrast soil or deep sand
- Rises and plains with mainly neutral to alkaline clay loamy to clayey soil

SOILS FORMED ON OUTWASH SEDIMENTS DERIVED FROM BASEMENT ROCK HIGHS

- Plains and gentle slopes with mainly deep texture contrast soil with calcareous subsoil
- Plains and gentle slopes with mainly deep calcareous soil or gradational / clayey soil with calcareous subsoil
- Plains and gentle slopes with mainly deep neutral to acid soil

SOILS FORMED ON RELICT COASTAL DUNES

- Relict coastal dunes with shallow soil on calcrete, sandy texture contrast soil and / or deep sand

SOILS FORMED ON MARINE / LAGOONAL CLAY OR LIMESTONE

- Corridor plains between relict coastal dunes with mainly neutral to alkaline, sandy texture contrast soil or shallow soil on limestone
- Plains with mainly neutral to alkaline gradational or texture contrast soil, often marginally saline
- Rises and plains on calcareous Miocene limestone with mainly shallow loamy soils

SOILS FORMED ON CALCRETE

- Plains and rises with mainly shallow calcareous soil (or mixed calcareous and non-calcareous soil) on calcrete
- Plains and rises with mainly shallow non-calcareous soil on calcrete

SOILS FORMED ON SOFT / RUBBLY CALCAREOUS SEDIMENTS

- Plains and rises with mainly loamy calcareous soil
- Plains, rises and dunes with mainly shelly sand to sandy loam

DUNE FIELDS

- Dune / swale systems with mainly acid to neutral, bleached siliceous sand on dunes
- Dune / swale systems with mainly neutral to alkaline, unbleached siliceous sand with calcareous subsoil on dunes

COASTAL LAND

- Beaches, dunes, swamps, back plains, mud and samphire flats, shellgrit flats, tidal flats, mangroves and coastal cliffs

MODERN WATERCOURSE / FRESHWATER WETLAND

- Flats, terraces and watercourses with modern alluvial soil; freshwater wetlands with swamp soils; and associated landforms

SALINE LAND

- Saline land, saline to brackish lakes and lagoons, and associated gypsum deposits and lunettes

SOILS FORMED ON VOLCANIC ASH

- Rises, plains and low hills mantled by volcanic ash

MISCELLANEOUS

- Lake; Reservoir; Urban; Mine

NOTES ON USE OF THE MAP

1. This work is not a soil survey. It should be considered as a landscape survey supplemented by soils information. Soil surveys which describe and map the distribution patterns and properties of specific soil classes require detailed field and laboratory work, and subsequent data analysis. This detailed work has not been undertaken.
2. Due to the relatively small scale of the mapping and the low density of ground-truthing, variations within map units will occur. There will be topographic features which are not described and soil classes which are not listed. Boundaries between mapping units should be treated as transition zones.
3. The maps are intended to provide a regional overview and should not be used to draw conclusions about conditions at specific locations.
4. Information describing specific features of mapped areas applies to the majority of the area, and unspecified variations may occur. This information is derived from limited field assessments and / or laboratory data, and estimates based on personal experience or judgement may be used where data are unavailable.
5. The scale of maps should not be enlarged beyond their scale of publication.
6. Independent expert advice should be sought prior to using this information for commercial decision-making.



Licensed under Creative Commons Attribution 4.0 International License
<http://creativecommons.org/licenses/by/4.0/>
 © Crown in right of the State of South Australia
 Department of Environment, Water and Natural Resources 2017
 Land assessment: DEWNR Soil and Land Program, 2009
 Map projection: Lambert Conformal Conic
 Map datum: GDA84



Government of South Australia
 Department of Environment,
 Water and Natural Resources

Southern
 Ocean