

Land systems and reports

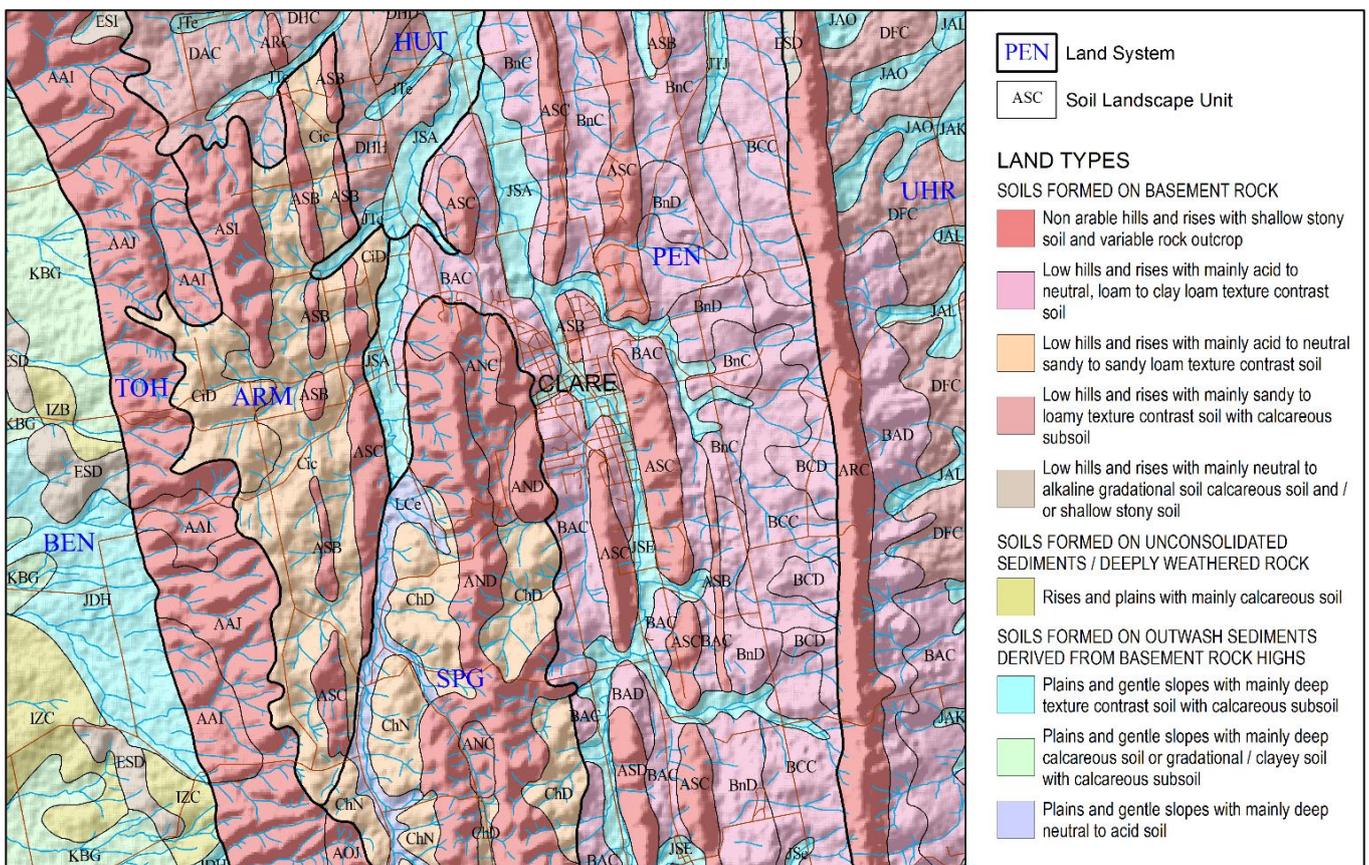
Land System reports provide comprehensive descriptive information on soil and landscapes for localised areas

Land systems are moderately-sized landscape areas (~20–2000 km²) that contain recurring patterns of geology, topography, soils and vegetation. *Land systems* provide a limited, recognisable geographical extent for reporting summary information on local soils and landscapes. Across southern South Australia, over 850 *Land systems* have been described.

Land systems occur within a hierarchy of soil and land mapping. From broadest to finest detail, this hierarchy is: *Biophysical regions*, *Biophysical subregions*, *Land zones* (Kangaroo Island only), *Land systems*, and *Soil landscape map units*. *Land system* labels reflect the location (e.g. PEN=Penwortham), while constituent *Soil landscape units* (SLUs) correspond to locally recognisable geological and terrain features. In each local area, the combination of *Land system* code (e.g. 'PEN') and *SLU* code (e.g. 'ASC') join together to provide unique *Soil landscape map unit* codes (e.g. 'PENASC').

Land system reports typically include overview information about the geographical location, geology, topography, soils, plus summaries of constituent *Soil landscape units*, and descriptions of relevant soils. *Land system reports* are accessible (refer overleaf) from the interactive online mapping sites:

- **NatureMaps** – Public: <http://www.naturemaps.sa.gov.au/>
- **EnvMaps** – SA Government only: <http://maps.env.sa.gov.au/>



Land systems and Soil landscape units in the Clare Valley of South Australia. Geologically related SLUs are grouped into Land types (Land types are denoted by the first character in the SLU code). These provide a map legend summary of the range of soils and terrain found within each Soil landscape unit. A Land system and Soil landscape unit together define a 'Soil landscape map unit'.



