Landscape Assessment

Landscape Assessment: Soil and Landscape Grid of Australia

Nationally-consistent and comprehensive soil and landscape attribute data at a fine resolution (finer than ever before). Draws together historical data and new data generated from sampling, laboratory sensing, modelling and remote sensing. These data has a wide range of applications and users including urban and regional planners, land managers, farming groups, scientists and engineers.

The grid is an essential piece of national information infrastructure that allows view and access the best available information about Australian soils and landscapes. It is the result of a significant national collaborative effort bringing together researchers from the CSIRO, the University of Sydney, Geoscience Australia and federal, state and territory government agencies.

Box 1. Landscape: Soil and Landscape Grid of Australia - Attributes.	
Soil attributes	**Landscape attributes**
- Bulk Density	- Slope (%)
- Organic Carbon	- Slope (%) Median 200m Radius
- Clay	- Slope Relief Classification
- Silt	- Aspect
- Sand	- Relief 1000m Radius
- pH (water)	- Relief 300m Radius
- pH (CaCl2)	- Topographic Wetness Index
- Available Water Capacity	- Topographic Position Index
- Total Nitrogen	- Partial Contributing Area
- Total Phosphorus	- Multi-resolution Valley Bottom Flatness (MrVBF)
- Effective Cation Exchange Capacity	- Plan Curvature
- Depth of Regolith	- Profile Curvature
- Depth of Soil	- Prescott Index
- Coarse Fragments	- Solar Radiation (SRAD) Net Radiation January
	- SRAD Net Radiation July
	- SRAD Total Shortwave Sloping Surface January
	- SRAD Total Shortwave Sloping Surface July

A description of the soil attributes can be found here: http://www.clw.csiro.au/aclep/soilandlandscapegrid/ProductDetails-SoilAttributes.html Further details can be viewed in the CSIRO Data Access portal metadata records.	A description of the landscape attributes can be found here: http://www.clw.csiro.au/aclep/soilandlandscapegrid/ProductDetails-LandscapeAttributes.html Further details can be viewed in the CSIRO Data Access portal metadata records.