



Reference Material

Environmental Research &
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Capability Statements

Business Sector	Resource	Services / Planning
Enterprise assessment	Vegetation / Land cover	Risk management assessment
Local Government	Fire	Environmental impact assessment
Regional development	Soil	Management planning
Defence	Dryland salinity	Expert evidence
Agriculture	Water	GIS development
Forestry	Surface water	Satellite image sales
Mining	Ground water	Research & Development
Viticulture	Climate	
Rural Residential Development		

Product Details

Product list	SoilSelect, regional	Dryland salinity
Vegetation	SoilSelect, landholdings	SelectWater, groundwater
Climate	SoilSelect, fertility	SelectWater, surface water
Product Galleries		
Vegetation	Soils	Soil & salinity poster
Business services cycle	Geophysical	

Research & Background Papers

DRYLAND SALINITY	Salinity is natural	Scenario for dryland salinity
Processes	Dryland Salinity: Providing Solutions	What model for dryland salinity?
	Interrelationships Between Salt Content, Water Content and Water Potential in an Expansive Clay Soil	Dryland Salinity Implications of Interactions between Clay, Organic Matter, Salt and Water in Soils
	Plant and Site Characteristics of Advantage with Saline Soils	Soil Factors Affecting Competition between Trees and Grasses
Methods	Application of Radiometrics to Identify Salinity Risks in the Cootamundra Shire	Salt of the Earth
	Mapping to address dryland salinity	Background to ERIC Soil & Salinity Mapping
Review	General & Technical Comments of the 2004 Release: Technical Report on Salinity Mapping Methods in the Australian Context by Brian Spies and Peter Woodgate	Comments on the 2005 Version of: Technical Report on Salinity Mapping Methods in the Australian Context by Brian Spies and Peter Woodgate

	Evaluation of the DIPNR Funded Review of SalinityMap	
SOILS	SoilSelect: Summary of method	Soil mapping rationale
Mapping	Use of Radiometrics in Soil Survey	Origin of the Coonawarra Ridge
	FAQ: Soil property maps from radiometrics	FAQ: Soil Property Mapping & Radiometric Salinity Class
Singleton	Introduction: Soil surveys conducted for Defence on the Singleton Training Area	Paper 2: Determining soils not identified by geology and catenary position
	Paper 1: Mapping soils by reference to geology and catenary position	Paper 3: Mapping soils by reference to airborne measures of gamma-radiation
Processes	SEE ALSO:- dryland salinity	Effects of Native Plant Species and Soil Type on Soil Nitrogen Mineralisation
VEGETATION	Vegetation research is primarily directed at developing understanding of the factors controlling the distribution of native vegetation. It addresses interactions between plant life cycles, plant physiological characteristics and water and nutrient availabilities as affected by climate and soils.	
	Vegetation mapping issues	On the Relationship Between Vegetation Classification and Environmental Association
	Component Replacement of Trees, Shrubs and Grass in a Poplar Box Woodland interpreted from Spatial Variability	Analysis of competition in spruce-pine-birch communities in Central Sweden
	Tree Recruitment in a Poplar Box Woodland	Effects of tree killing and livestock in a poplar box (<i>Eucalyptus populnea</i>) woodland on ground layer vegetation and some surface soil properties
	Water potential of trees and shrubs in intact and modified poplar box (<i>Eucalyptus populnea</i>) woodlands	Effects of fire and mowing on mixed Themeda - <i>Heteropogon</i> grasslands
	An evaluation of water balance for heath vegetation using simulation	Suppression of Wheat Growth by Different Tree Species
	Acacia - Eucalypt Strategies for Water & Nutrients	