



Soil Erosion and Sediment Control Planning for North Queensland

Venue: Townsville Plaza Hotel

When: 7-11 Nov 2005



Day	Presenter	Module	Topic
One	Grant Witheridge	Introduction & Legal Aspects	TCC Policy. EPA. EPA Regulations. EPP Water. Nature Conservation Act. GBRMP Act.
	Ross Coventry	Local Soils and Soil Tests	Introduction to soil erosion. Soil properties. Physical (colour, texture, dispersion). Chemical (pH). Data sources. Ameliorating soil deficiencies
Two	Grant Witheridge	Erosion and Sediment Control Practice	Types of erosion and causal effects. Effects of erosion and sedimentation. Purpose and function of sediment control measures. Typical erosion control measures. Typical sediment control measures. Select and list the tools, plant and equipment that may be used to conduct or install a range of erosion and sediment control works.
Three	Des Bolton	Vegetation Management Revegetation	Conservation values. Remnant Vegetation. Clearing Practices. Weed control. Design. Landscaping. Revegetation techniques. Application. Products. Standards. Maintenance. Measuring performance. Contractual Requirements. Inspection Test Plans (ITP)
	All	Field Visit	Examine 2-3 sites which demonstrate key principles/issues pertinent to erosion control and water management.
Four	Des Bolton	Plant selection & Stream veg.	Plant Selection. Stream rehabilitation.
	Grant Witheridge	Intro to Construction Site Hydrology & Hydraulics Development of ESC Plans	Rational method. Runoff coefficients for construction sites. Time of concentration. IFD tables. Example calculations. Introduction to Manning's equation. Manning's roughness. Example calculations. Procedure for the development of ESC Plans. Review case studies. Group activities on ESCP development.
Five	Grant Witheridge	Sizing ESC Measures	The sizing of various drainage and sediment control measures including sediment basin design.
		Course Exam	Multiple Choice Exam

Soil Erosion and Sediment Control Planning for North Queensland is a comprehensive training course developed by industry leaders in soil and water management in Queensland in conjunction with the Townsville City Council.

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