

Soil Stabilisation Solutions for the Nangetty Valley



Project Number: 05N114-05

Project Start Date: 1/1/2007

Project Completion Date: 30/06/2009

Project Description

This project will focus on demonstration and evaluation of likely rehabilitation techniques for one of the most degraded landscapes in Western Australia. The Nangetty Valley (north of Mingenew) is severely eroded and contributes the majority of the sediment load in the Irwin River system. The soils within the valley are unique and extremely erodible and as such require special treatment to stabilise. Likewise the vegetation is predominantly made up of saltbushes and other arid landscape plants.

Apart from erosion, salinity is a major risk in the valley with DAWA piezometers showing that large parts of the landscape are at risk. The groundwater in this Irwin Sub Basin area is of sea water quality and thus is toxic to plant growth.

Unfortunately the valley is far from productive and economics of stabilisation / revegetation limit the ability of landholders to take them up.

Thus, this project will see the implementation of large-scale demonstrations of a range of stabilisation options (the placement of which will depend on landscape position and the severity of degradation). Each option will be carefully assessed for suitability and economic viability.

Delivery Organisation: Mingenew Irwin Group

Total IP2 Funding: \$67,860

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