

Land Capability assessment: Tungamah & Glenrowan Sites *for* Nth East Water,
September 2011

Phillips agribusiness was commissioned to investigate land based irrigation sites for two wastewater treatment plants, one at Glenrowan and one at Tungamah. Three sites were assessed as to their suitability for wastewater irrigation, two for Glenrowan and one for Tungamah. A land capability assessment on each of the three sites was conducted to determine their suitability for wastewater irrigation and to identify any potential health or environmental risks that might apply.

The site assessments were conducted according to the “Guidelines for Environmental Management – Use of Reclaimed Water” EPA Publication 464.2 and “Guidelines for Wastewater Management” Publication No 168. The assessments included:

- Soil profile analysis of a number of physical and chemical features that measure the capacity of the soil to sustainably manage wastewater irrigation;
- Conduct a site features assessment that addresses impact of climate, landform, vegetation patterns and water resources on irrigation suitability.

Each site was assessed according to suitable cropping and pasture regimes, recommended irrigation procedure, nutrient uptake rates and salinity risk.