

water balance modelling

Water balance modelling is a highly technical and detailed exercise. The **ADW Johnson** engineering team is experienced with this type of modelling and has developed circumstances and situations that can be customised to suit the inherent site conditions a number of models for a wide range.

Our strength is the appreciation of the dependent linkages of water cycling, our keen interest to understand individual site operations, legislative requirements and delivery of outcomes.

Projects

Aged Care Facility,
Kanwal

Coastal Hamlets,
Catherine Hill Bay

Raymond Terrace Road,
Thornton North

Delroy Park Estate,
Dubbo

“Horizons” Village,
Dubbo

Murrays Beach,
Wallarah Peninsular

Sanctuary Estate,
Fletcher

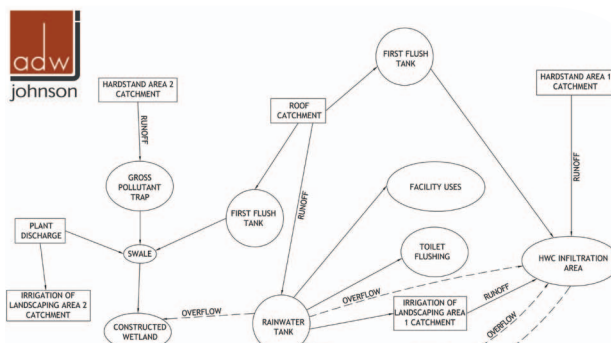
Wadalba Wildlife Corridor,
Wadalba

Gowrie Links Estate,
Singleton

Westrac Facility,
Headquarters and Training
Centre,
Tomago

Westrac Headquarters and Training Centre, Tomago

50ha industrial development including 20ha of single use industrial development studies



Key issues: water balance, sizing of rainwater tank storages, water reuse for daily site operations, nutrient control and permissible site discharges.

Gowrie Links Estate, Singleton

Integrated residential and golf course community



Key issues: total catchment management of the golf course and the residential development. The project included assessment and integration of water storages, irrigation, nutrient control, flooding, effluent reuse opportunities and harvestable rights issues.

Delroy Park Estate, Dubbo

1000 lot residential subdivision, medium density and commercial staged development



Key issues: water balance modelling for residential development, stormwater retardation, reuse investigations, evaporation modelling and irrigation system designs.