

Department of Water Regional Support GIS

The Regional Support GIS team at Department of Water is responsible for the diverse GIS requirements of 18 regional offices throughout the state of Western Australia.

Some of these projects include:

Foreshore Assessments

Foreshore assessments have historically been collected in the field using paper maps. The DOW Regional Support team have implemented mobile mapping solutions using ArcPad software and GPS units. This has increased the ease of collection of data as well as streamlining the process of entering the information into the geodatabase.

Landuse and Catchment Management

Land use and land management practices have a major impact on Australia's nature resources including water, soil, nutrients, plants and animals. Information can be used to develop solutions for natural resources management issues such as salinity and water quality, rates of soil loss, acidification, nutrient decline and carbon loss. Catchment management identifies salinity hazards and risks, surface and groundwater connectivity, surface and groundwater quality and water related environmental issues.

Vegetation Mapping and Assessment

GIS methods used to assess and delineate remnant vegetation.