

## Information, Knowledge and Data Activities: Water Theme

*DRAFT Report for Regional NRM DataHub Pilot*

### BACKGROUND

The Queensland Murray-Darling Committee (QMDC) is facilitating the development of regional collaborative networks to implement new functions and structures to improve knowledge and information exchange. The project is sponsored by the Qld Regional NRM Groups Collective (RGC) with state wide coordination provided by the Catchment Programs Unit (DERM).

While undertaking a study of existing data sets, publications and contacts we've come across a range of projects that have/will inform the DataHub concept. This document aims to capture information about these projects as a quick overview.

### OBJECTIVE

Compile a list of project, contacts and geographical extents that describe the full range of activities occurring in the Queensland Murray-Darling Basin with regards to water.

### SCHEDULE

Activity 1: Compile Basic List of project that may contribute towards a greater understanding of water June 09

Activity 2: Publish and share the project catalogue with relevant stakeholders.

Activity 3: Share and update project catalogue at the Roma Regional workshop

### **Strategic Water Information and Monitoring Plan (SWIMP) – DERM**

This report is being prepared for the Bureau of Meteorology (BoM) by the Department of Environment and Resource Management (DERM) in collaboration with the key water information and monitoring stakeholders in Queensland. It reports on the monitoring of surface water and groundwater resources from sites above the tidal limit. This document also includes water data gaps identified by stakeholders.

### **Geographic Research & Data Acquisition (and NTICI)**

The capture, maintenance and provision of topographic data and related Spatial Data Infrastructure products to meet government priorities, emergency management mitigation response, industry development and community needs. Undertaken in collaboration with State and other Commonwealth agencies & industry partners through the National Topographic Information Coordination Initiative (NTICI). Includes: Farm dams in priority areas of the MDB.

### **National Landscape Information Infrastructure**

Outcome: Government, industry and community have access to fundamental spatial data and information required to deliver safe, sustainable and prosperous communities.

### **Australian Hydrological Geospatial Fabric (AHGF)**

Suite of well maintained, evolving, authoritative, data products containing a consistent representation of every hydrologic feature, and the connectivity between features, of the Australian water system. These products are capable of supporting a wide variety of uses for many users. As such, the AHGF will become the framework geospatial information upon which Australia's water information related activities are based and through which they are related. Baseline data products:

- 1- Surface Water – Hydrology;
- 2- Surface Water – Measurement Sites;
- 3- Groundwater – Hydrology;
- 4- Groundwater – Measurement Sites;
- 5- Digital Elevation Model (DEM) at 1 arc-second resolution; and
- 6- Key Catchments.

CSIRO / Australian Government: Bureau of Meteorology [Web link](#)

## **Australian Water Resource Information System**

### **AquaBAMM**

#### **TERN**

Terrestrial Ecosystem Research Network facilities: TERN office (University of Qld), Australian Centre for Ecological Analysis and Synthesis ACEAS), Eco-informatics-integrating and visualising biodiversity and ecosystems information, A distributed Archive and access capability for Australian biophysical map products and remote sensing data – The “AusCover DAAC”, Australian rangeland Ecosystems, Australian Flux network, Super-Site Network Demonstrators. 7387

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For further information, contact QMDC on (07) 4637 6201 or visit [www.qmdc.org.au](http://www.qmdc.org.au)

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