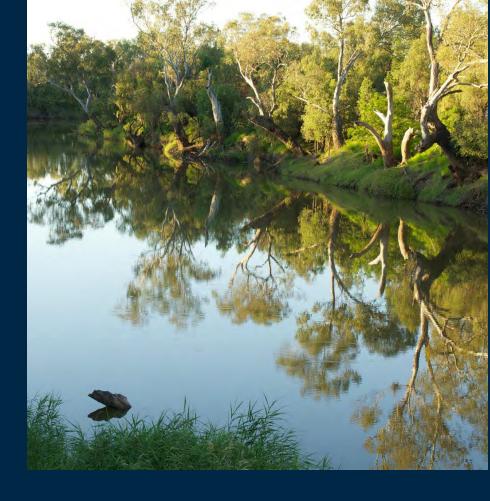


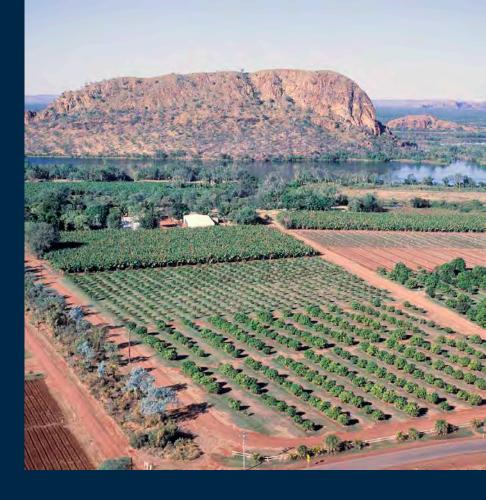
Overview

- Trading as part of water management decisions
- Role of water information
 - water requirements
 - water availability
- What the Bureau has to offer
 - water information products
- Future improvements



Water market information

- Water trading worth \$1-2bn pa
- Good information is important to support efficient markets





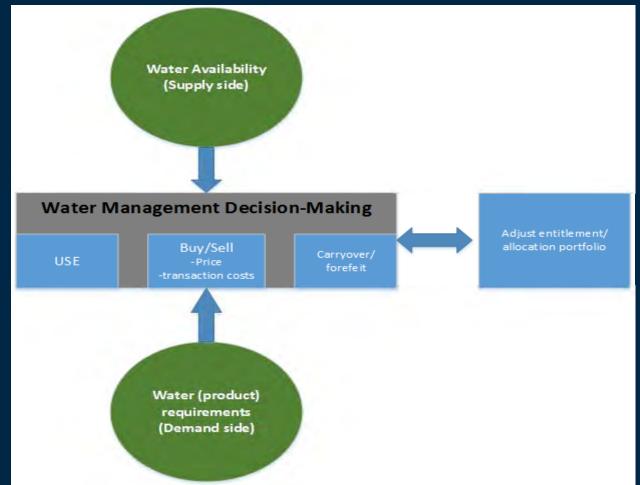
Decision to trade water





Water management decision

Australian Government
Bureau of Meteorology



Water requirements

- Demand side
- Type of user
- Crop type requirements (timeline)
- Crop size planted
 - Commodity prices
- Temperature, evapotranspiration
- Seasonal asset requirements
- Expected returns





Water availability

- Supply side
- Annual allocations
 - Storage levels
 - Inflows
 - Entitlement reliability
- Carry over provisions
- On-site water availability
 - Rainfall
 - Temperature
 - Soil moisture
- Water planning/trade rules





Situational awareness products



- Climate/Weather Products
 - Temperature, evapotranspiration
 - Rainfall



- Water Storages
- Water Data Online (Inflows)
- Streamflow Forecasts
- Water Markets (Entitlements)
- Landscape Water Balance (Soil moisture)
- National Water Account (Carryover, entitlements)
- Groundwater Information
- Climate/Weather Products (Rainfall, temperature)
- Monthly Water Update (Rainfall, streamflow)



- Water Markets
 - Buy/sell, price
- National Water Account
 - Use, trade, carryover





Bureau of Meteorology

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Bureau Home » Water Information

Water Information Regulations Standards News and events About

Water data Water status Water forecasts

Improving water information



Urban National Performance Report 2014-15

Annual report on the performance of urban water utilities.

» Continue reading about the Urban National Performance Report



Water data

- Climate Resilient Water Sources
- Design Rainfalls
- Environmental Monitoring Sites
- Geofabric
- Groundwater information
- Hydrologic Reference Stations
- Water markets information
- Water Data Online



Water status

- Australian Water Resources Assessment
- Landscape Water Balance
- Monthly Water Update
- National Water Account
- * Regional Water Information
- Urban National Performance Report
- Water in Australia
- Water Restrictions
- * Water Storage



- Floods
- 7-day Streamflow Forecasts
- Seasonal Streamflow Forecasts

Related links

Rain, River & Storage Data

Water links

- Water Act 2007
- Water Regulations 2008
- Water market information
- Water Dictionary
- Publications
- News
- Contact Us







Water data online: Streamflow

Murrumbidgee River at Hall's Crossing

Station 410777 number Latitude -35.13Longitude

148.94 ACT - Environment and Planning Data owner

Directorate



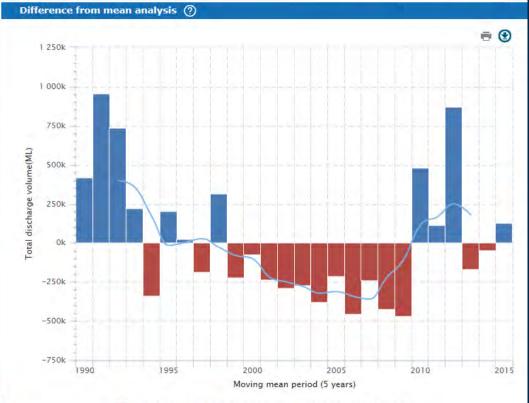


Watercourse discharge

- Time series explorer
- Period of record summary
- Quality and gap summary
- Daily data summary
- Monthly data summary
- Yearly data summary
- Monthly mean statistical analysis
- Yearly statistical analysis
- Ratings and gaugings
- Duration curve
- Flood frequency analysis

Difference from mean

analysis





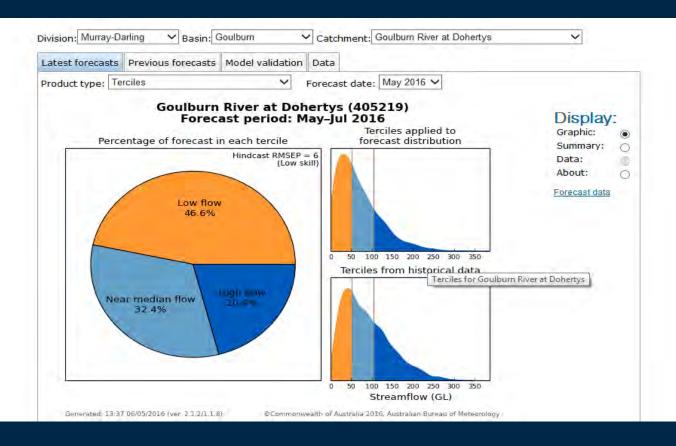
Watercourse level Data download





■ Below mean 🗸 — Moving mean (5 years) 🗸

Seasonal streamflow forecast



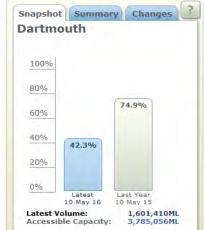


Storages

Place: Australia > Dartmouth
Date: 13 May 2016

Water Storage









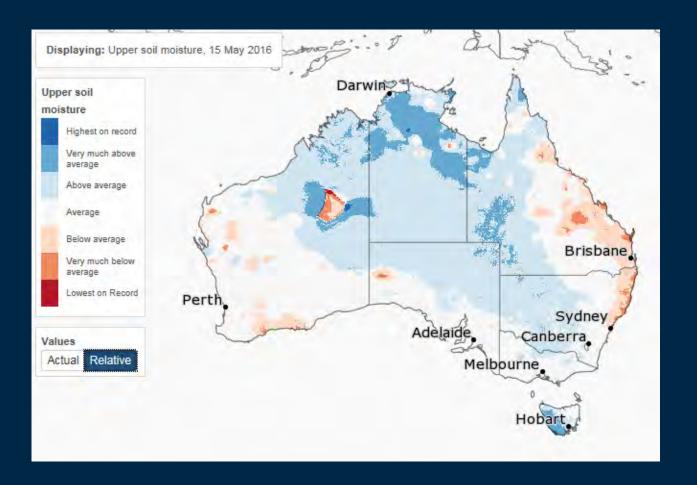


National Water
Commission



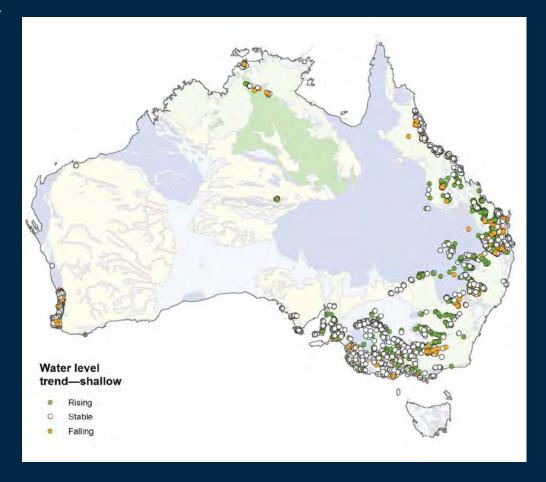


Australian landscape water balance: Soil moisture





Groundwater

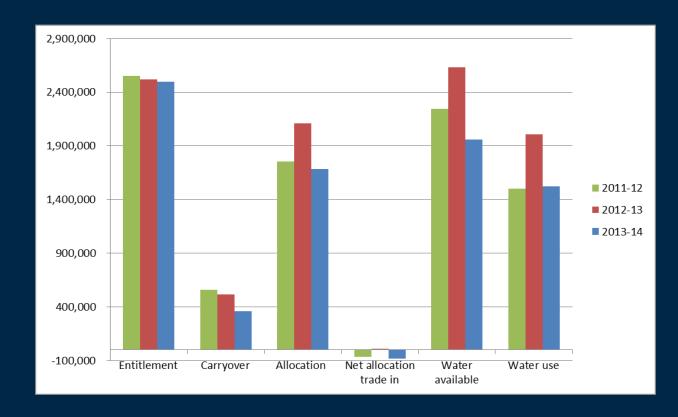




Entitlements, carry-over and water use

Derived from National Water Account

 Murrumbidgee Water Resource Plan Area

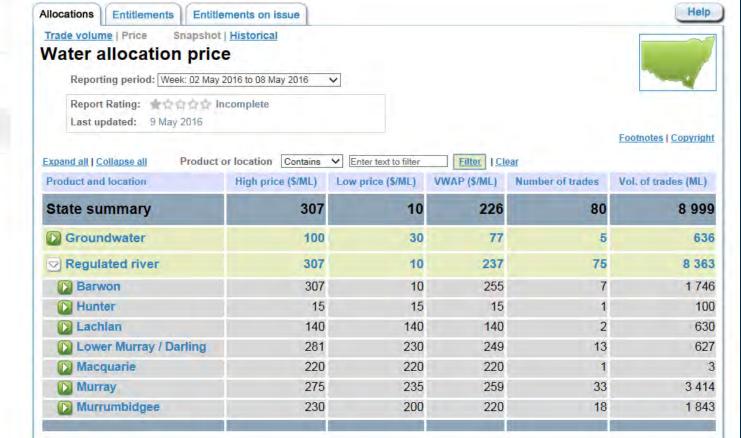




Water markets

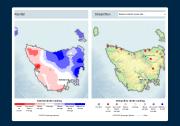
New South Wales

Back to Australia





Synthesis products



Monthly Water Update

Snapshot of rainfall and streamflow for previous month relative to average conditions



Regional Water Information

Spatial information down to river region on status of water resources and use



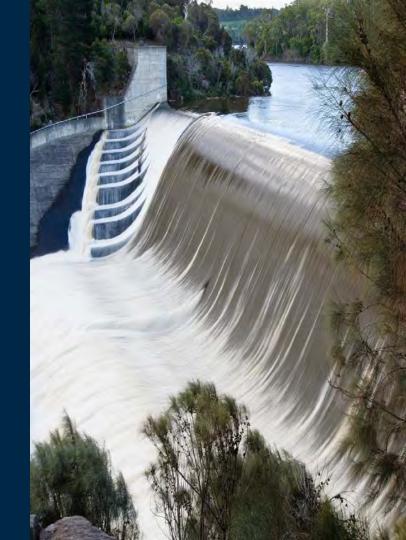
Water in Australia

National report analysing information from many sources to paint a rich picture of the status water in Australia's for a particular year



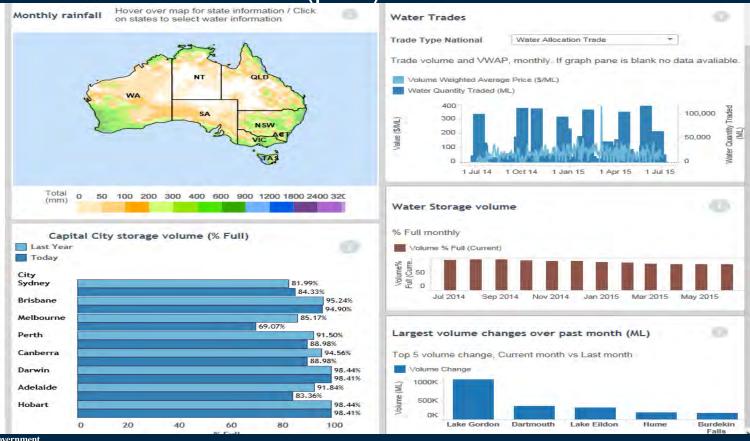
Future improvements

- Improved water information provision tailored to better meet user needs
- Water Information dashboard
 - One-stop-shop for water information (storages, markets) and climate information at national, state and regional levels





Water information dashboard (pilot)





Water information dashboard (pilot)







