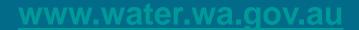


Department of Water

Lindsay Preece Manager Water Information

6364 7204

May 2010







The Department of Water is the Western Australian government agency responsible for ensuring the State's water resources are:-

- planned,
- managed,
- developed.





Our purpose

The Department of Water manages water to support Western Australia's economy, provide amenity for the community, and sustain the environment.

We manage 50,000 GL each year of renewable freshwater resources including 11,000 GL held in dams and 37,000 GL of inflows in run-off and deep drainage.

We manage the state's water through 52 groundwater and 22 surface water management areas



The Department of Water provides services across the State of Western Australia through a network of 15 regional and district offices.

Department of Water

Head office

The Atrium

168 St Georges Terrace Perth Western Australia P O Box K822 Perth Western Australia 6842 Phone: (08) 6364 7600 Fax: (08) 6364 7601 www.water.wa.gov.au

Water science, salinity and water resource recovery

Level 4 Septimus Roe Square 256 Adelaide Terrace Perth WA 6000 Phone: (08) 6364 7800 Fax: (08) 6364 7888

Regional offices

Swan Avon region

Victoria Park regional office 7 Ellam Street Victoria Park Phone: (08) 6250 8000 Fax: (08) 9361 9311

Water measurement office

105 Kew Street Welshpool Phone: (08) 9355 6237 Fax: (08) 9361 9311

Northam district office

254 Fitzgerald Street Northam P O Box 497 Northam Western Australia 6401 Phone: (08) 9690 2600 Fax: (08) 9622 7155 Kwinana Peel region

Kwinana Peel regional office

Marine – Operations Čentre 17 Breakwater Parade Mandurah P O Box 332 Mandurah Western Australia 6210 Phone: (08) 9550 4222 Fax: (08) 9581 4269

South Coast region

Albany regional office

5 Bevan Street Albany WA 6330 P O Box 525 Albany Western Australia 6331 Phone: (08) 9842 5760 Fax: (08) 9842 1204

South West region

Bunbury regional office

35–39 McCombe Road Bunbury P O Box 261 Bunbury Western Australia 6231 Phone: (08) 9726 4111 Fax: (08) 9726 4100 bunburyadmin@water.wa.gov.au

Busselton district office

Suite 1A 72 Duchess Street Busselton P O Box 269 Busselton Western Australia 6280 Phone: (08) 9781 0188 Fax: (08) 9726 4100

Geocatch network centre

Suite 1A, 72 Duchess Street Busselton P O Box 269 Busselton Western Australia 6280 Phone: (08) 9781 0111 Fax: (08) 9754 4335 geocatch@water.wa.gov.au

Warren Blackwood district office

52 Bath Street Manjimup Phone: (08) 9771 1878 Fax: (08) 9771 8108

Mid West Gascoyne region

Geraldton regional office

81 Forrest Street Geraldton P O Box 73 Geraldton Western Australia 6531 Phone: (08) 9965 7400 Fax: (08) 9964 5983

Carnarvon district office

211 Robinson Street Carnarvon P O Box 81 Carnarvon Western Australia 6701 Phone: (08) 9941 6100 Fax: (08) 9941 4931 Gascoyne@water.wa.gov.au

Pilbara region

Karratha regional office

Lot 4608 Cherratta Road Karratha P O Box 836 Karratha Western Australia 6714 Phone: (08) 9144 2000 Fax: (08) 9144 2610 Karratha@water.wa.gov.au

Kimberley region

Kununurra regional office

27 Victoria Highway Kununurra P O Box 625 Kununurra Western Australia 6743 Phone: (08) 9166 4100 Fax: (08) 9168 3174 Kununurra@water.wa.gov.au



Water resource use:

• Evaluates water availability and then licenses its extraction for consumption or other uses.

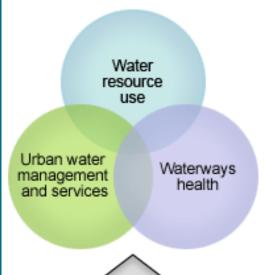
Urban water management & services:

• Includes water drainage, drinking water source protection, planning, water efficiency and recycling, as well as policy and regulation of water services.

Waterways health:

• Focuses on the adequate protection of the state's waterways and catchments, including salinity management, river management and recovery programs.

Service delivery areas



Supported by:

- Water resource assessment, measurement and science
- Planning and policy development to drive the reform agenda
- Regional management and delivery
- Corporate services



Priorities

To meet our strategic objectives over the next five years, the department will be pursuing the following 10 priorities.

- 1. Within sustainable limits allocate water to support economic development;
- 2. Optimise water use through improved management;
- 3. Move Perth towards a 'Water Sensitive City';
- 4. Protect and recover public water supplies;
- 5. Facilitate a competitive and innovative water industry;
- 6. Protect waterway health &recover priority waterways;
- 7. Support water resource management & state development;
- 8. Ensure the state has a strong strategic approach;
- 9. Modernise water legislation, policy and technologies;
- 10. Establish market-based mechanisms to release water and support enhanced water trading.



Water resource assessment, measurement and science

This service is critical in supporting the delivery of all three primary services. It involves building on our knowledge of the availability and quality of the state's water resources through investigation, assessment, review, and monitoring. This improved knowledge contributes, informs and underpins all water resource management functions within the department including water regulation, water planning and waterways protection.

WATER INFORMATION

Maps and atlases:

We provide a range of maps, spatial data and online atlases.

<u>www.water.wa.gov.au/Tools/Maps+and+atlases/defaultasex</u>

Monitoring and data:

The Department of Water operates numerous surface water and groundwater monitoring sites throughout Western Australia

<u>www.water.wa.gov.au/Tools/Monitoring+and+data/default.aspx</u>



WHAT WE MEASURE





WHY WE MEASURE

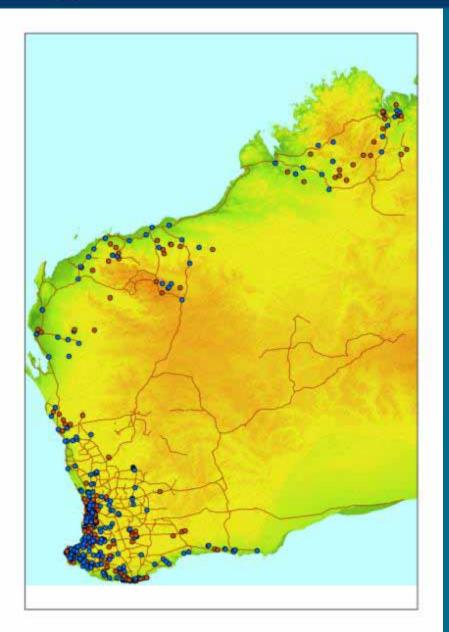
WATER AVAILABILITY

- Water Sources
- Environmental Management
- Economic Growth \$1.092
 billion worth of projects in 2009
- Recreation
- Water Allocation
- Water Assessment
- PROJECT SUPPORT
- FLOOD WARNING
- CLIMATE CHANGE
- MODELLING









Reference network

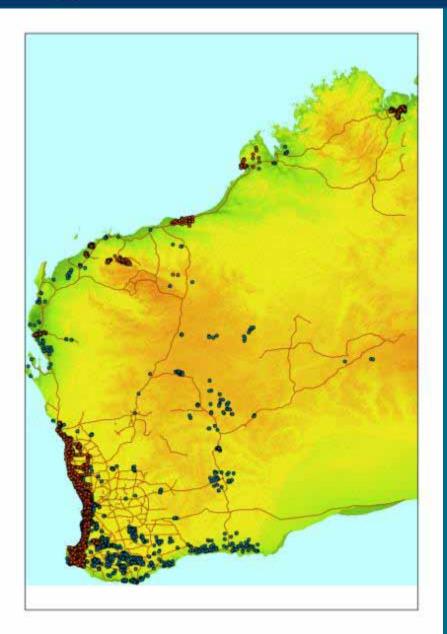
Gauging Stations

- ~ 350 open
- ~ 400 total

Rainfall sites

- ~ 182 open
- ~ 220 total





Reference network

Network bores

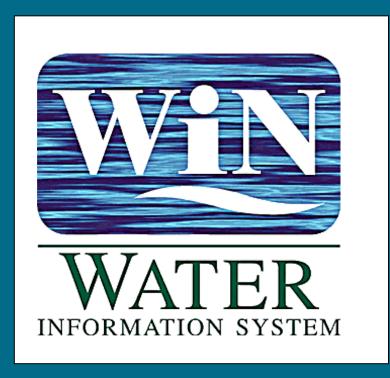
- ~ 2800 open
- ~ 3600 total

Project bores

- ~ 3200 open
- ~ 6000 total



Databases



Discrete:

Project and site Water Quality GW information



Time-series:

Stream flow
Water Quality
Meteorological data





Hydstra

32,000 Years

3,800 Ratings

27,200 Gaugings

3,500 Sections

Value: > \$120,000,000



WIN

130,000 sites (82% ground, 12% surface, 4% met, 1% other)

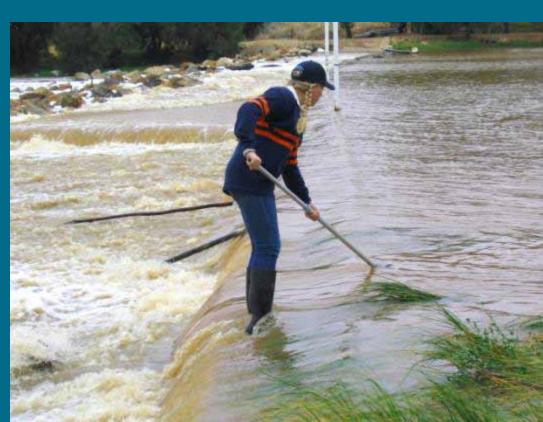
3 million samples

15.2 million readings

61,000 bore logs

Contextual information (why, how, by whom, quality)

Value > \$200,000,000





Readings in WIN

Detailed Lab chemistry agreed stds and formats

Instrument downloads

Field observations

Water levels

Metering





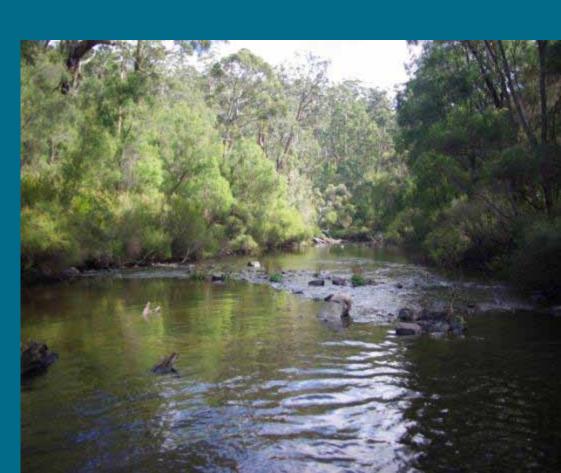
New Initiatives

Capture of accession reports into WIN

Biological capability

National Groundwater Information System

Data delivery to BoM





Data Provision section

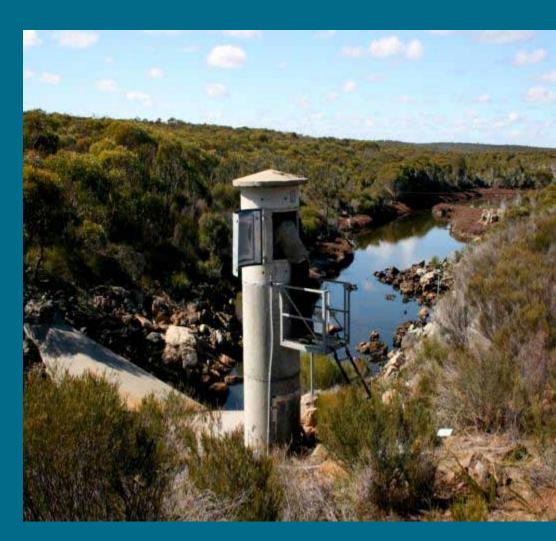
- Works closely with Data Management section
- People you are likely to deal with:
 - Jo Gregory senior DMO
 - Rose Lerch DMO
 - Tanya Brown DMO
 - Suzanne Stevenson DMO
- Others on the team
 - Jeanette Bray GW Information Officer
 - Christopher Frick technical support
 - John Argus team leader





Data and Information we provide

- Flow data
 - rivers/streams
- Level data
 - rivers, streams, bores,lakes & wetlands
- WQ Sample data
 - rivers/streams, bores,lakes, estuaries
- Construction Details
 - bores



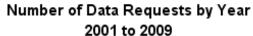


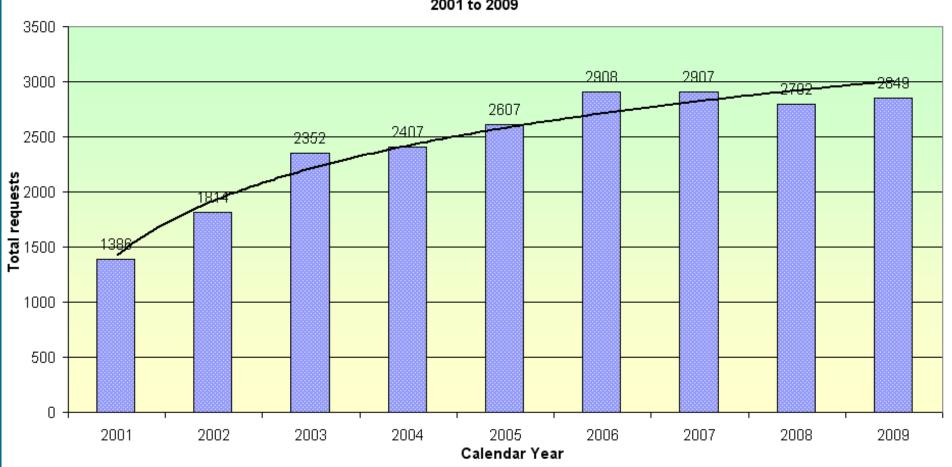
Data and Information we provide ...

- Bore hydrogeology
 - Aquifers, stratigraphy, lithology, geophysical logs
- Site Details
 - rivers/streams, bores, lakes & wetlands, estuaries
- Maps showing:
 - site location, rivers/streams, bores,
 lakes & wetlands, estuaries



Demand

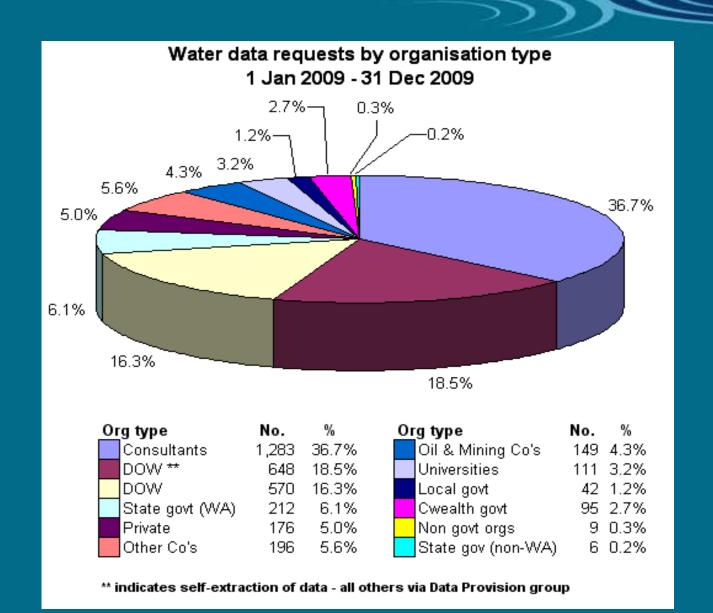








Clients





Non-commercial

- BOM
- CSIRO
- Swan River Trust
- Water Corporation
- Dept of Agriculture and Food WA
- Department of Environment
- Western Power
- Main Roads Western Australia
- Department of Mines & Petroleum
- Local governments Statewide

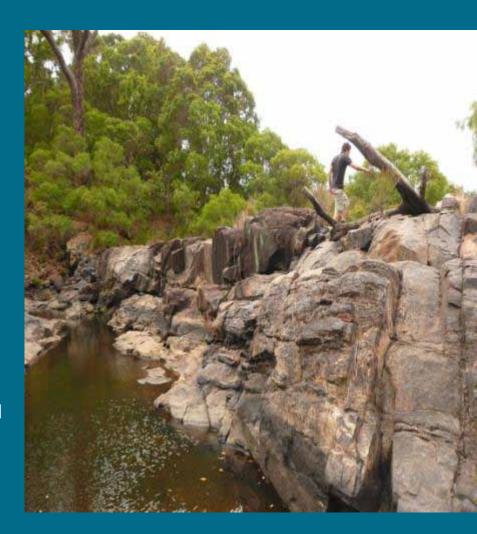
- Universities:
 - Uni WA
 - ECU
 - Murdoch
 - Curtin
 - Interstate
- Schools
- Catchment management groups
- Landowners



Obtaining data

Request by:

- Phone
 - 6364 6505
- Data Request form
 - Fax
 - 9426 4821
 - Email
 - waterinfo@water.wa.gov.au





Obtaining data

Website:

www.water.wa.gov.au

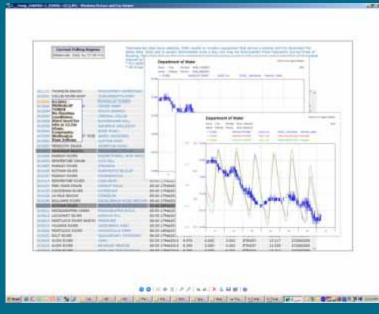


- Data request form
- River level monitoring
- WRIC catalogue
- WRData

Tools | Maps and atlases

- Geographic Data Atlas
- Hydrogeological Atlas
- Perth Groundwater Atlas





















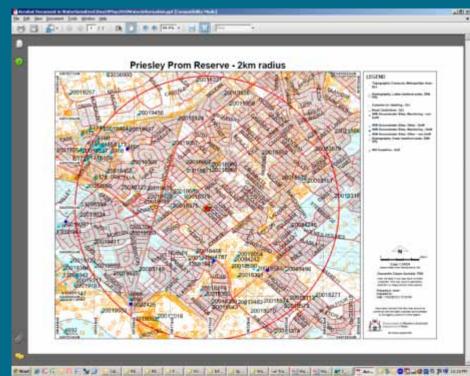




Data delivery

- Formats:
 - Excel spreadsheets
 - Plots
 - Basic maps
 - Delivery by:
 - E-mail
 - FTP site
 - CD / DVD
 - Verbal
 - Post

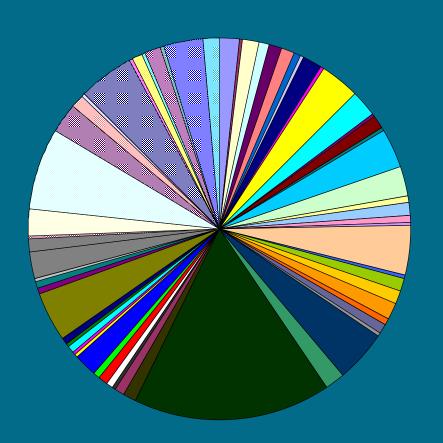






Spatial Information

- 613 requests in 2009 split:-
 - 51% Commercial
 - 27% Consultants
 - 22% Government
 - State
 - Local
 - CSIRO





Spatial Data – 555 datasets including:-

- LIDAR Swan Coastal Plain
- Floodplain Management
- Catchments
- Groundwater Management Areas
- Depth to Groundwater
- Aquifers
- Rivers, Reservoirs and Wetlands
- Boundaries, etc



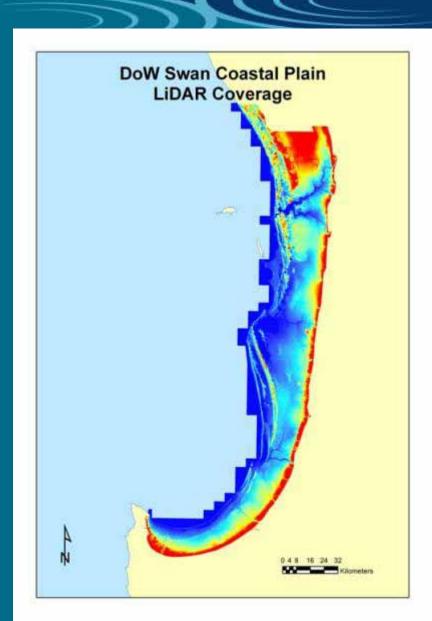




LIDAR

This dataset is an elevation model.

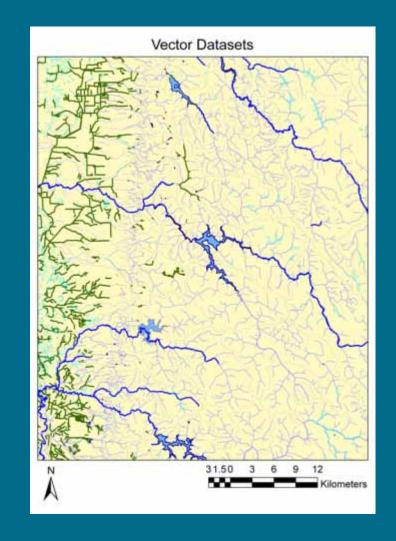
- Horizontal Resolution 1m x 1m, with a horizontal accuracy of 0.6m.
- Vertical accuracy of 0.15m AHD.
- Swan Coastal Plain, some areas of Pilbara and Kimberley along water courses.





Vector Datasets

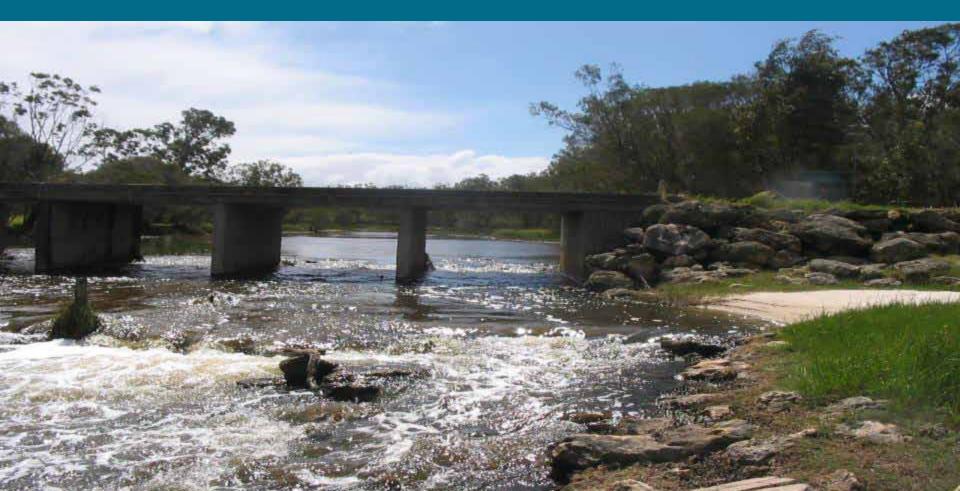
- The vector datasets mapping waterways and other water related data are available for contractors and many are available for commercial use.
- The Department holds approximately 80 vector datasets.
- The primary datasets concern monitoring stations, floodplain mapping, and water courses.
- Various licensing and regulatory datasets also exist within the Department.



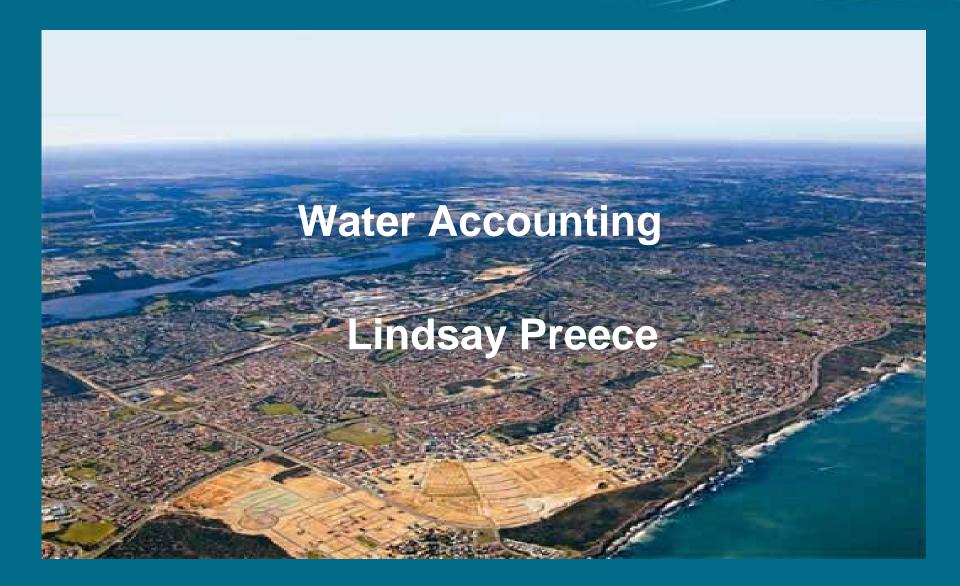


For any spatial data requests contact:

spatial.data@water.wa.gov.au









National Water Initiative

The NWI provides key guidance on the intention, purpose and objectives of water accounting. One of the high-level objectives of the NWI (under Clause 23 (vii)) states the need for:

"water accounting which is able to meet the information needs of different water systems in respect to planning, monitoring, trading, environmental management and on-farm management."

In the NWI it is further agreed under Clause 80:

"...that the outcome of water resource accounting is to ensure that adequate measurement, monitoring and reporting systems are in place in all jurisdictions, to support public and investor confidence in the amount of water being traded, extracted for consumptive use, and recovered and managed for environmental and other public benefit outcomes."



National Water Account

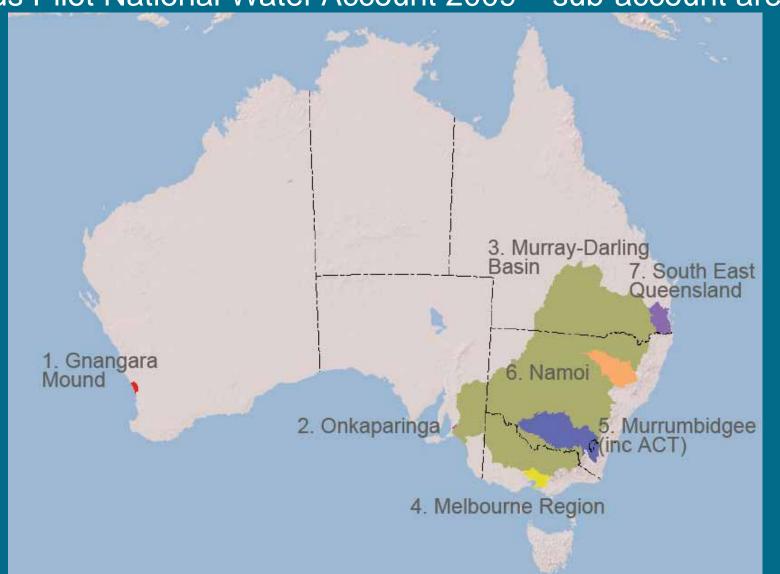
At its November 2008 meeting, COAG agreed on a number of steps to accelerate national water accounting, including the immediate establishment of a National Water Account Committee (NWAC), chaired by BOM, to prepare a roadmap for the production of the first NWA and to oversee the production of the NWA in the future.

COAG agreed that a pilot version of the NWA be published in December 2009 and a comprehensive version of the NWA be published in December 2010 and annually thereafter, as required under the Commonwealth *Water Act 2007*. The NWA pilot will draw heavily on State-based understanding of the water systems they manage.



Background

Methods Pilot National Water Account 2009 - sub-account areas







NWI and DoW water accounting work

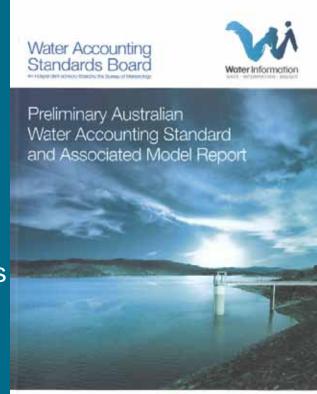
- Preliminary Australian Water Accounting Standard
- Carnarvon and Carabooda pilot water accounts
 - Water Accounting Data management project 28,000 of 74,000 meter readings imported to WIN

BoM National Water Account (NWA)

Fed Water Act 2007 – NWA, Methods Pilot NWA 2009

Methods Pilot NWA 2009 Scope – 7 sub-accounts across Australia

Finalisation by December 2009







3. DoW approach for preparation of Methods Pilot Gnangara water account:

- Based on PRAMS water balance
- DoW water balance framework
- DoW Chart of Accounts
- Prepare DoW Gnangara Mound water account report
- Multidisciplinary Team
 - Water Professional (engineer)
 - Accountant
 - Groundwater Modeller
 - Data professional



Gnangara mound methods pilot water accounting report

30 June 2008

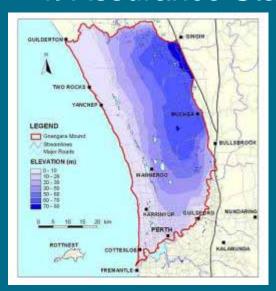
Looking after all our water needs





Contents of the Water Account:

- 1. Contextual Statement
- 2. Water Accounts
- 3. Note Disclosures
- 4. Assurance Statement



| 3 | Wa | tor | account | |
|---|----|-----|---------|--|
| | | | | |

3.1 Statement of water assets and water liabilities

| WATER ASSETS | Note | 2,008 ML | 2007 ML |
|------------------------------------------------------------|------|-------------|------------|
| Surface water assets | 2a | 0 | 0 |
| Groundwater assets | | | |
| Unconfined aquifer storage - Superficial aquifer | 2b | 0 | 0 |
| Confined aquifer storage - Leederville aquifer | 2b | 14,000 | 14 000 |
| Confined aquifer storage - Yarragadee aquifer | 2b | 12,000 | 17:000 |
| Total Groundwater assets | | 26,000 | 31/000 |
| TOTAL WATER ASSETS | | 26,000 | 31/000 |
| WATER LIABILITIES | | | |
| Provision for allocation - scheme supply | 2c | 40,718 | 34:380 |
| Provision for allocation - self supply | 2c | 50,403 | 50:579 |
| Borrowing from unconfined aquifer contingent water storage | 26 | 211,000 | 232 000 |
| TOTAL WATER LIABILITIES | - | 302,121 | 316,959 |
| NET WATER ASSETS | | -276,121 | -285,959 |
| Net water assets at the beginning of reporting period | | -285,959 | -74.146 |
| Change in net water assets | 2g | 9,838 | -211:813 |
| NET WATER ASSETS AT THE END OF THE REPORTING PERIOD | | -276,121 | -285,959 |

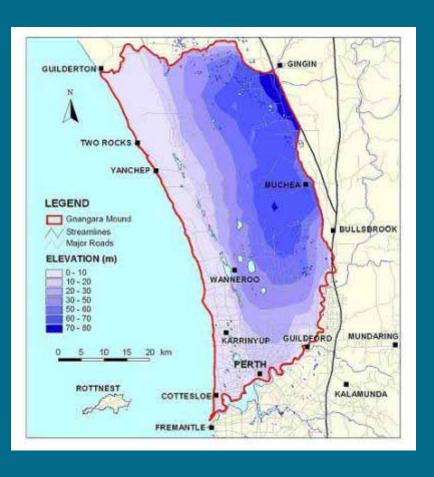
| WATER TRADING BY AQUIFER | | | | | | | |
|--------------------------|---------------------------------------------------------------------|------------------------|--------------------------------------------------------------------|-------------------------|--|--|--|
| Aquiter | WCCLIME of Treatme within Grungson Magnif Ame (ML) 2007-08 | or Trades of Trades | VCK-UME of Trades within Changons Mount Area (ML) 2668-67 | MUNICIPAL of Tracket | | | |
| Leederylis | 130 | 3 | 34 | 7 | | | |
| Mirrabooka | 36 | | - q | | | | |
| Superficial | 1568 | 72 | 580 | - 1 | | | |
| Superficial - Swan | 952 | | 201 | | | | |
| Total | 2686 | 84 | 884 | - | | | |

| WATER TRADING BY AREA | | | | | | | |
|-----------------------|--------------------------------------------------------------------|-----------------------------------|--------------------------------------------------------------------|-----------------------|--|--|--|
| Area | VOLUME of Tracing within Onempers Mound Area (ML) 2007-08 | INCREMENT of Trades 2007-08 | VOLUME of Traces within Crosspan Revent Area (M.) 2006-07 | of Transco 2006-07 | | | |
| Adams | 57 | 4 | - 41 | | | | |
| Datapra | 9 | | | | | | |
| Senttudah Plam | 57 | , | 148 | | | | |
| Caratooda | 356 | 10 | 136 | | | | |
| Camanar | 0 | | | - (| | | |
| City of Perth | | 0 | 0 | | | | |
| Deepwater Lagoon | 67 | 1 | 3 | | | | |
| Egieton | 2 | | . 0 | | | | |
| Guildeton Sth | 629 | 2 | a | | | | |
| Oweka | 20 | 1 | 0 | | | | |
| Harriey Brook | 29 | 3 | 12 | | | | |
| Joondalup . | 32 | 1 | 12 | - 2 | | | |
| Lake Grangers | 180 | - 1 | 10 | | | | |
| Latia Mongala | 0 | .0 | | | | | |
| Landstale | 0 | D D | 120 | - 93 | | | |
| Manginiup | 130 | 12 | - 0 | - 31 | | | |
| Numer | . 0 | ů. | - 0 | | | | |
| Neorobug | 412 | 4 | 200 | | | | |
| North Swar | 9 | 2 | | | | | |
| Novergue | 80 | 1 | - 6 | | | | |
| Pirpar | 27 | | 9 | | | | |
| Quent | 50 | . 4 | - 2 | - 11 | | | |
| South Swan | 125 | 58 | a | | | | |
| State Forest | 50 | | q | | | | |
| Swan confined | 130 | 3 | 95 | - 0 | | | |
| Whitfords . | 20 | . 3 | 54 | | | | |
| Total | 3,684 | 84 | 884 | 2 | | | |

- Sixurox: Department of Woto



Contextual Statement



Physical information

- Description of water report entity
- Gnangara Mound groundwater system
- Wetlands and rivers/steams
- Urban scheme water supply system
- Urban wastewater system
- Urban drainage system

Administrative information

- Water resource management instruments

Water management bodies

- DoW
- WC
- EPA

Environmental water management Climate and rainfall



Balance Sheet

Statement of Water Assets and Water Liabilities

Water Assets

Surface Water Assets
Groundwater Assets
Soil Moisture

Water Liabilities

Licenses in force at balance dat

3 Water accounts

3.1 Statement of water assets and water liabilities

| WATER ASSETS | Note | 2,008 ML | 2007 ML |
|------------------------------------------------------------|------|-------------|------------|
| Surface water assets | 2a | 0 | 0 |
| Groundwater assets | | | |
| Unconfined aguifer storage - Superficial aguifer | 2b | 0 | 0 |
| Confined aquifer storage - Leederville aquifer | 2b | 14.000 | 14 000 |
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| Net water assets at the beginning of reporting period | | -285,959 | -74:146 |
| Change in net water assets | 2g | 9,838 | -211/813 |
| NET WATER ASSETS AT THE END OF THE REPORTING | | | |
| PERIOD | | -276,121 | -285,959 |

Borrowings from unconfined aquifer contingent water storage



Water Accounts

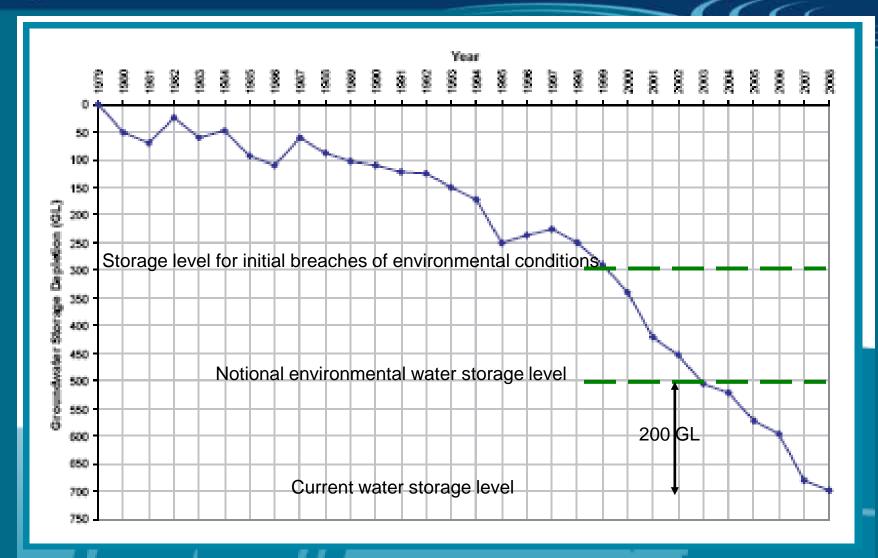


Figure 5
Groundwater storage decline in the Superficial Aquifer for the period 1979-2008



Profit and Loss

Statement of Changes in Water Assets and Liabilities

This is an 'accrual based' accounting statement (includes forward provisions for water liabilities) similar to a 'Profit and Loss' statement.

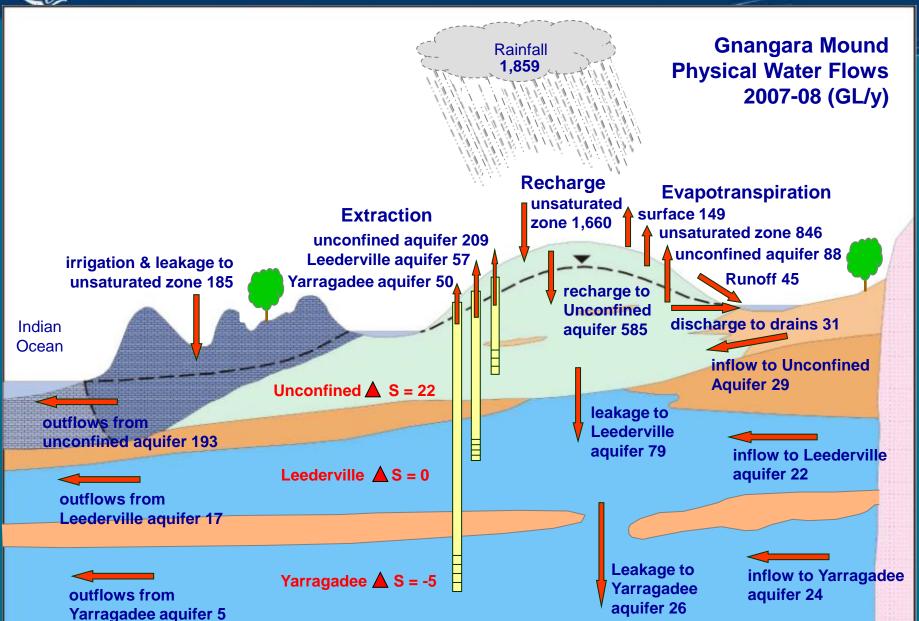
Virtually the same as the 'Statement of Physical Water Flows' (which is 'cash accounting' based) except for water liabilities provisions.

3.2 Statement of changes in water assets and water liabilities

| NADE LEES | Note | 2008 | 2007 |
|-----------------------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| INCREASES | | ML | ML. |
| Surface Water Increases | 2d | | |
| Precipitation | | 1,859,000 | 1,195,000 |
| Scheme supply system inflow transfer Inflow to scheme supply system from groundwater | | 22,000 | 28,000 |
| extraction | | 134,000 | 162,000 |
| Inflow to wastewater from urban scheme supply system | _ | 71,000 | 70,000 |
| Total Surface Water Increases | | 2,086,000 | 1,455,000 |
| Groundwater Increases | 2e | | |
| Recharge to unconfined aguifer | | 585.000 | 376,000 |
| Horizontal inflows to unconfined aguifer | | 29,000 | 29,000 |
| Vertical leakage to Leederville aquifer | | 79,000 | 80,000 |
| Horizontal inflows to Leederville aguifer | | 22,000 | 23,000 |
| Vertical leakage to Yarragadee aguifer | | 26,000 | 25,000 |
| Horizontal inflows to Yarragadee aguifer | | 24,000 | 24,000 |
| Total Groundwater Increases | - | 765,000 | 557,000 |
| | | The second secon | |
| TOTAL INCREASES | | 2,851,000 | 2,012,000 |
| DECREASES | | | |
| Surface Water Decreases | 21 | | |
| Rainfall interception and evaporation | ., | 149.000 | 96,000 |
| Rainfall runoff | | 45,000 | 45,000 |
| Rainfall recharge to unsaturated zone | | 1.660,000 | 1,053,000 |
| Scheme supply system outflow transfer | | 36.000 | 70,000 |
| Scheme water supply use | | 111.000 | 110,000 |
| Scheme water supply system leakage | | 10,000 | 10,000 |
| Outflow and use of treated wastewater | | 66,000 | 65,000 |
| Septic tank leakage and unaccounted wastewater | | 4.000 | 5,000 |
| Total Surface Water Decreases | | 2,081,000 | 1,454,000 |
| Groundwater Decreases | 2g | | |
| EVT from unconfined aquifer | -0 | 88.000 | 90,000 |
| Extraction from unconfined aquifer | | 214,304 | 228,504 |
| Discharge from unconfined aquifer to rivers and drains | | 31,000 | 25,000 |
| Horizontal outflows from unconfined aquifer | | 193,000 | 197,000 |
| Vertical leakage to Leederville aquifer | | 67,000 | 67,000 |
| Extraction from Leederville aquifer | | 62,765 | 63,609 |
| Horizontal outflows from Leederville aquifer | | 17,000 | 17,000 |
| Vertical leakage to Yarragados aquifor | | 26,000 | 25,000 |
| Extraction from Yarragadee aquifer | | 50,093 | 50,700 |
| Horizontal outflows from Yarragadee aquifer | | 5,000 | 5,000 |
| Total Groundwater Decreases | | 754,162 | 768,813 |
| TOTAL DECREASES | | 2,835,162 | 2,222,813 |
| | | | |



Water Flow Statement





Note Disclosures

Note 1: Significant water accounting policies (limitations of the use of modelled and estimated information)

Note 2: Information supporting the items presented in accounts (clarifying and explanatory info on accounts values)

Note 3: Quantification approaches

Note 4: Water for environmental and social/cultural purposes

Note 5: Water rights and use on the Gnangara mound

Note 6: Water trading activity on the Gnangara mound

| WATER TRADING BY AQUIFER | | | | | | | |
|--------------------------|--------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------|--------------------------------|--|--|--|
| Aquifer | VOLUME of Trades within Griengara Mound Area (ML) 2007-08 | SUMMER of Trades 2007-08 | VOLUME of Trades within Grangura Mound Area (ML) 2006-07 | NUMBER of Tracks 2008-07 | | | |
| Leederville | 130 | 3 | 84 | | | | |
| Mirrabooka | 36 | 3 | | | | | |
| Superficial | 1588 | 72 | 580 | - 10 | | | |
| Superficial - Swan | 952 | 6 | 200 | | | | |
| Total | 2686 | 84 | 884 | 2 | | | |

| WATER TRADING BY AREA | | | | | | |
|-----------------------|-------------------------------------------------------------------|--------------------------------|--------------------------------------------------------------------|--------------------------------|--|--|
| Area | VOLUME of Trades within Gnangers Mound Area (ML) 2007-08 | NUMBER of Trades 2007-08 | VOLUME of Trades within Griangers Mound Area (ML) 2006-07 | NUMBER of Trades 2006-07 | | |
| Adams | 57 | 4 | 41 | | | |
| Ballajura | 9 | 1 | 0 | | | |
| Beermullah Plain | 57 | - 1 | 145 | | | |
| Carabooda | 356 | 10 | 138 | | | |
| Carramar | 0 | .0 | 0 | | | |
| City of Perth | 0 | 0 | 0 | | | |
| Deepwater Lagoon | 67 | 3 | 7 | | | |
| Eglinton | 2 | 1 | 0 | | | |
| Guilderton Str | 829 | 2 | 0 | | | |
| Gwelup. | 20 | 1 | 0 | | | |
| Henley Brook | 29 | 3 | 12 | | | |
| Joondalup | 32 | - 1 | 12 | | | |
| Lake Gnangara | 180 | 8 | 10 | | | |
| Lake Mungala | 0 | 0 | 56 | | | |
| Landsdale | 0 | 0 | 120 | | | |
| Mariginiup | 139 | 12 | a | | | |
| Neaves | 0 | 0 | 0 | | | |
| Neerabup | 412 | 4 | 200 | | | |
| North Swan | 9 | 2 | 0 | | | |
| Nowergup | 80 | 3 | 6 | | | |
| Pinjar | 27 | - 1 | q | | | |
| Quinns | 50 | 4 | 2 | | | |
| South Swan | 125 | 16 | q | | | |
| State Forest | 56 | - 1 | q | | | |
| Swan confined | 130 | 3 | 95 | | | |
| Whitfords | 20 | 3 | 54 | | | |
| Total | 2,686 | 84 | 884 | - 7 | | |

Source: Department of Water





There are currently 250 named organisations in the regulations to the Water Act 2007.

Potential to expand the named organisations to include Mining Companies and other big water users.

The Bureau of Meteorology has the power to set and enforce standards and reporting requirements.

Alignment of Water Accounting and Licensing reporting requirements.

