



Australian Government
Bureau of Meteorology

National Water Account 2011

Quick Guide



Overview

Explore Australia's most comprehensive water information resource.

The National Water Account provides the following information for eight nationally significant regions:

- total water resource
- rights to abstract water
- water available for extraction
- actual abstraction of water.

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National Water Account 2011

The 2011 Account contains a set of water accounting reports for eight nationally significant water management regions.

The 2011 Account covers a one year period, from 1 July 2010 to 30 June 2011.

2011 Account Regions

- Adelaide
- Canberra
- Melbourne
- Murray-Darling Basin
- Ord
- Perth
- South East Queensland
- Sydney

Quick guide

2011 Account

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2010 Account

Related links

- Development of the National Water Account
- Water Accounting Standards
- Water rights terminology
- Information sheet
- FAQ

Water links

- Water Act 2007
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Quick link

www.bom.gov.au/nwa/2011



Need help?

The Quick Guide and Companion Guide can be downloaded from the right-hand panel.

Context

Discover key information about each region.

Physical information

Learn about the region, its water resources, land use and water-related infrastructure.

Find out what water assets are included.

Administration

See which organisations are responsible for water management.

Read how legislation, plans and provisions are applied for surface, ground and environmental water.

Water rights

What are the operating rules and constraints governing water entitlements, allocations, trades and transfers?

Climate overview

Examine rainfall, evapotranspiration and temperature maps for the reporting year and compare to long-term records.

Water overview

Find out about significant water events, streamflow, major water initiatives and improvements in water information during the reporting year.

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Select a Water Region

Contextual Information Accounting Statements Notes Accountability Statement

Physical Information Administration Water rights Climate overview Water overview

Perth

Physical information

- General description
- Land use
- Significant aquatic ecosystems
- Water resources
- Surface water
- Groundwater
- Other water resources and distribution systems

General description

Area: 21,156 km²
Population: 1.8 million (Australian Bureau of Statistics, 2011)

The Perth region is located on the west coast of Western Australia (Figure P1). The boundary of the region is mostly defined by three surface water catchments (Figure P2):

1. Swan Coastal
2. Murray River
3. Harvey River.

The Perth region boundary only differs from that defined by these three surface water catchments in two areas – the northern and southern coastal areas of the region. The boundary in these areas was revised to incorporate the groundwater management areas and two irrigation districts within the Harvey Water Irrigation Area.

Water accounting statements

Find the volume of water assets, water liabilities and water flows within each region.
Compare with the previous year. Access notes about the numbers.

Water assets and water liabilities

Compare the volume of water assets and water liabilities.

Changes in water assets and water liabilities

Compare increases and decreases in water assets and water liabilities, including physical changes and paper transactions (claims and commitments).

Physical water flows

Compare regional water inflows and outflows.

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Select a Water Region

Contextual Information | Water Accounting Statements | Notes | Accountability Statement

Water Assets and Water Liabilities | Changes in Water Assets and Water Liabilities | Physical Water Flows

Perth

Water Accounting Statements : Water Assets and Water Liabilities

as at 30 June 2011 [Expand All](#) [Collapse All](#)

	2011 ML	2010 ML
Water assets		
Surface water	160,173	253,878
Groundwater	-	-
Urban water system	7,003	6,942
Irrigation scheme	370	370
Total water assets	167,546	261,190
Water liabilities		
Surface water liability	28,763	28,830
Groundwater liability	159,413	163,083
Total water liabilities	188,176	191,913
Net water assets	(20,630)	69,277



Tip! Water asset = Water or a claim on water that provides a future benefit.
Water liability = An obligation to deliver water to users or other regions which will result in a reduction in the water asset of the region being reported upon.

Water accounting statements

Learn more about the values in the Statements. Line item notes include a description of how a value was quantified and other supporting information.

Perth
Water Accounting Statements : Water Assets and Water Liabilities
as at 30 June 2011

Water assets

- ☒ Surface water
 - 1.1 Storages**
 - 1.2 Unregulated river
 - 1.3 Regulated river
 - 1.4 Lakes and wetlands
- Total Surface water
- ☒ Groundwater
 - ☒ Urban water system
 - ☒ Irrigation scheme
- Total groundwater
- Total water assets

Water liabilities

- ☒ Surface water liability
- ☒ Groundwater liability
- Total water liabilities
- Opening net water assets

1.1 Storages Notes

Perth
1.1 Storages

Supporting Information
Quantification Approach
Comparative year

Supporting Information

This line item refers to the total volume of water within the major surface water storages within the Perth region. These storages are used for urban water supply and irrigation water supply (refer to Table P2 in the Physical Information).

Total volume of water within each major storage on 30 June 2010 and 30 June 2011 is given below. The individual storage volumes include the volume of dead storage.

Volume of water for each storage within the Perth region at the start and end of the 2010–11 year

Storage	Capacity (ML)	Dead storage (ML)	Storage at 30 June 2011 (ML)	Storage at 30 June 2010 (ML)
Canning	90,300	60	26,183	24,537
Churchman Brook	2,200	40	757	855
Drakes Brook	2,300	20	862	740
Harvey	55,700	780	8,847	21,022
Logue Brook	24,200	380	3,460	10,014



Did you know?

The statement of changes shows all the increases and decreases, and includes both physical changes and paper transactions (claims and commitments) when they occur.

The statement of physical flows shows only the physical water inflows and outflows when they occur.

Notes

Access more detailed information about the regions.

Water accounting policies

Find out how and why water assets and water liabilities are recognised.

Reconciliations

See how the values in the water accounting statements reconcile with each other.

Resources and systems

Find a detailed description of the water stores and detail about water flows.

The screenshot shows the Australian Government Bureau of Meteorology website. The header includes the Australian Government logo and navigation links: HOME, ABOUT, CONTACTS, and a search bar. Below the header is a menu with links to NSW, VIC, QLD, WA, SA, TAS, ACT, NT, AUSTRALIA, GLOBAL, and ANTARCTICA. The main content area is titled "Perth Water accounting policies" and includes a list of recognition criteria:

- a. Introduction
- b. Recognition of water assets and water liabilities
- c. Recognition of changes in water assets and water liabilities
- d. Water assets and water liabilities that fail the recognition criteria
- e. Changes to water assets and water liabilities that fail the recognition criteria
- f. Restatement of comparative information

The page also includes a section titled "a. Introduction" with the following text:

The information presented in the Perth region water accounting report is based on agreements between the Department of Water, Water Corporation, Harvey Water and the Bureau of Meteorology (the Bureau).

This report has been prepared using an accrual basis of water accounting, with the exception of the physical water flow information. The water attribute being quantified is volume and the unit of account is megalitres (ML).

Water transfers to and from lakes and wetlands are included within water transfers to and from the water table aquifer. That is, lakes and wetlands are considered to be a part of the groundwater store on the *Statement of changes in water assets and water liabilities* and the *Statement of physical water flows*.



Tip! Along with detail about the water stores reported in the statements, information on off-channel storages such as dams can be found in the Resources and systems notes.

Notes

Find more information about the regions and the line items.

Water access

Find how water is distributed and shared between users.
Access current information about water rights and water market activity.

Future

Look forward one year and see what water assets, claims and commitments might affect the region's water resources.

References

Find where we sourced our information.

Line item notes

Access all the notes that support the values in the statements and regional notes. Find a description of how these values were quantified.

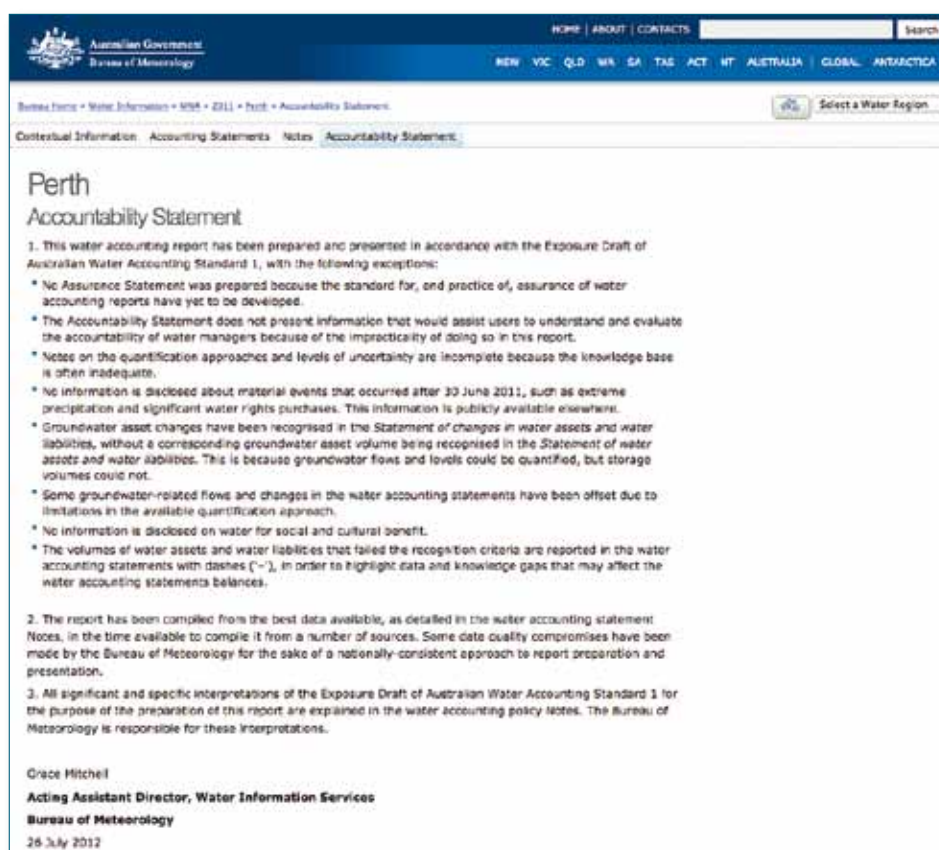
The screenshot shows the Australian Government Bureau of Meteorology website. The navigation bar includes links to HOME, ABOUT, and CONTACTS. Below the navigation bar, there are links to NSW, VIC, QLD, WA, SA, TAS, ACT, NT, AUSTRALIA, GLOBAL, and ANTARCTICA. The main content area is titled 'Perth Water access' and includes a list of links: Water rights, entitlements, allocations and restrictions; a. Introduction; b. Surface water rights; c. Groundwater rights; Water market activity; Water use; a. Environmental benefit. The page also features a search bar and a 'Select a Water Region' dropdown menu.



Tip! Definitions of report line items can be found in the glossary, accessed from the right-hand navigation bar.

Accountability statement

Find out how a regional water account meets the requirements of the Australian Water Accounting Standard 1.



Tell us how the account meets your needs:

nwa@bom.gov.au

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Photograph front cover: Loddon River at Bridgewater. Courtesy of Alison Pouliot.