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| **Directory of Important Wetlands in Australia (DIWA) Spatial Database** | |
| **Location:** http://www.environment.gov.au  **Coordinate system:** GCS\_GDA\_1994  **Theme keywords:** ECOLOGY Habitat\_Mapping, WATER Hydrology\_Mapping, WATER Wetlands\_Distribution, WATER Wetlands\_Inventory, WATER Wetlands\_Management |  |

**ISO and ESRI Metadata:**

* [Resource Information](file:///\\\\act001cl06fs02\\abares_data$\\LandAndForest\\LandUseAndManagement\\_Projects\\2017EcoCloud\\Deliverables\\LantanaMCASS2018\\Data\\Primary\\Conservation\\important_wetlands.htm" \l "250177504)
* [Spatial Representation Information](file:///\\act001cl06fs02\abares_data$\LandAndForest\LandUseAndManagement\_Projects\2017EcoCloud\Deliverables\LantanaMCASS2018\Data\Primary\Conservation\important_wetlands.htm#372095200)
* [Reference System Information](file:///\\act001cl06fs02\abares_data$\LandAndForest\LandUseAndManagement\_Projects\2017EcoCloud\Deliverables\LantanaMCASS2018\Data\Primary\Conservation\important_wetlands.htm#250182336)
* [Data Quality Information](file:///\\act001cl06fs02\abares_data$\LandAndForest\LandUseAndManagement\_Projects\2017EcoCloud\Deliverables\LantanaMCASS2018\Data\Primary\Conservation\important_wetlands.htm#250184640)
* [Distribution Information](file:///\\act001cl06fs02\abares_data$\LandAndForest\LandUseAndManagement\_Projects\2017EcoCloud\Deliverables\LantanaMCASS2018\Data\Primary\Conservation\important_wetlands.htm#250176160)
* [Metadata Information](file:///\\act001cl06fs02\abares_data$\LandAndForest\LandUseAndManagement\_Projects\2017EcoCloud\Deliverables\LantanaMCASS2018\Data\Primary\Conservation\important_wetlands.htm#Metadata_Information)

Metadata elements shown with blue text are defined in the International Organization for Standardization's (ISO) document 19115 *Geographic Information - Metadata.* Elements shown with green text are defined by ESRI and will be documented as extentions to the ISO 19115. Elements shown with a green asterisk (\*) will be automatically updated by ArcCatalog.

**Resource Information:**

**Title:** Directory of Important Wetlands in Australia (DIWA) Spatial Database

**Alternate title(s):** WATER\_SDE.important\_wetlands

**Abstract:**

This is a polygon coverage representing the wetlands cited in the "A Directory of Important Wetlands in Australia" Third Edition (EA, 2001), plus various additions for wetlands listed after 2001.

This coverage is a compilation of various data sources and has been collected using a variety of methods. This dataset should therefore be used as an indicative guide only to wetland boundaries and locations. The data has been collated by the Federal Government Department of the Environment and Water Resources from various datasets including those supplied by the relevant State agencies.

State agency contributors include the Queensland Environmental Protection Authority, NSW Department of Environment and Conservation and the Victorian Department of Sustainability and Environment.

For the identification of wetland boundaries or locations in regard to the compliance of activities with relevant State legislation, the relevant State authority should be contacted to obtain the most recent and accurate wetland boundary information available.

The criteria for the definition of a wetland used in this dataset is that adopted by the Ramsar Convention, namely: "areas of marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, including areas of marine water the depth of which at low tide does not exceed six meters."

Attributes in the dataset include:

WNAME: the name of the wetland site as listed in the Directory.

REFCODE: an individual reference number including a cross reference to the State in which it occurs. The first 2-3 characters relate to the State or Territory of origin followed by the 3 digit sequential wetland numeric code. (eg. "NSW001": NSW=New South Wales; 001=wetland number).

SOURCE: the data source for the polygon.

FEAT\_CODE: description of the waterbody's hydrographic feature (eg. 'lake', 'swamp'). This attribute is derived from the TOPO250K.WATERBOD coverage.

STATE: the State or Territory in which the waterbody occurs.

SUPPLY\_BY: the name of the agency that supplied the boundary of a wetland and date of supply to the Department

**Creation Date:**2001-02-01

**Revision Date:**2008-10-16

\***Presentation format:** digital map

**Unique resource identifier:** ANZCW0501003820

**Custodian Organisation:**Australian Government Department of the Environment, Water, Heritage and the Arts

**Contact's position:** Water Data Metadata

**Contact information:**

**Phone:**

**Voice:** 02 6274 1111

**Fax:** 02 6274 1666

**Address:**

**Delivery point:** GPO Box 787

**City:** Canberra

**Administrative area:** ACT

**Postal code:** 2601

**Country:** Australia

**e-mail address:** water.metadata@environment.gov.au

**Online resource:**

**Online Location:** http://www.environment.gov.au/

**Publisher Organisation:**Australian Government Department of the Environment, Water, Heritage and the Arts

**Contact's position:** Metadata Publisher

**Contact information:**

**Phone:**

**Voice:** (02) 6274 1111

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**Address:**

**Delivery point:** GPO Box 787

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**Administrative area:** ACT

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[Back to Top](file:///\\act001cl06fs02\abares_data$\LandAndForest\LandUseAndManagement\_Projects\2017EcoCloud\Deliverables\LantanaMCASS2018\Data\Primary\Conservation\important_wetlands.htm#Top)

**Themes or categories of the resource:** inland waters

**Theme keywords:**

**Keywords:** ECOLOGY Habitat\_Mapping, WATER Hydrology\_Mapping, WATER Wetlands\_Distribution, WATER Wetlands\_Inventory, WATER Wetlands\_Management

**Dataset language:** English

**Dataset character set:** utf8 - 8 bit UCS Transfer Format

**Update Status:** onGoing

**Update frequency:** as needed

**Resource constraints:**

**Access constraints:**

Directory of Important Wetlands spatial data may be distributed to third parties on request, and in accordance with the various licence agreements of State agencies who may have supplied components of the data.

A Departmental data licence must be agreed to and the data is not to be used for commercial purposes by third parties.

**Limitations of use:**

Products derived from this dataset should display acknowledgements of the data provider and where relevant the State agencies who may have supplied components of the data used in that product. The Department of the Environment and Water Resources is to be acknowledged as the custodian of the overall Directory of Important Wetlands in Australia spatial dataset.

Statements of acknowledgement to be used for components of various State supplied data can be found in the Acknowledgements section of this metadata statement.

Due to data being compiled from various sources, care needs to be taken when using the data to ensure any restrictions applying to data sources are met.

For the identification of wetland boundaries or locations in regard to the compliance of activities with relevant State legislation, the relevant State authority should be contacted to obtain the most recent and accurate boundary information available.

\***Spatial representation type:** vector

**Resource format:**

**Format name:** SDE Feature Class

**Spatial resolution:**

**Dataset's scale:**

**Scale denominator:** 500000

**Resource's bounding rectangle:**

\***Extent type:** Full extent in decimal degrees

\***Extent contains the resource:** Yes

\***West longitude:** 73.499817

\***East longitude:** 159.100171

\***North latitude:** -10.477609

\***South latitude:** -53.083511

**Supplemental information:**

published externally

published externally

**Dataset point of contact:**

**Organisation:**Australian Government Department of the Environment, Water, Heritage and the Arts

**Contact's position:** Water Data Metadata

**Contact information:**

**Phone:**

**Voice:** 02 6274 1111

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**Address:**

**Delivery point:** GPO Box 787

**City:** Canberra

**Administrative area:** ACT

**Postal code:** 2601

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**e-mail address:** water.metadata@environment.gov.au

**Online resource:**

**Online Location:** http://www.environment.gov.au/

[Back to Top](file:///\\act001cl06fs02\abares_data$\LandAndForest\LandUseAndManagement\_Projects\2017EcoCloud\Deliverables\LantanaMCASS2018\Data\Primary\Conservation\important_wetlands.htm#Top)

**Spatial Representation - Vector:**

\***Level of topology for this dataset:** geometry only

**Geometric objects:**

\***Name:** WATER\_SDE.important\_wetlands

\***Object type:** complexes

\***Object count:** 29569

[Back to Top](file:///\\act001cl06fs02\abares_data$\LandAndForest\LandUseAndManagement\_Projects\2017EcoCloud\Deliverables\LantanaMCASS2018\Data\Primary\Conservation\important_wetlands.htm#Top)

**Reference System Information:**

**Reference system identifier:**

\***Value:** GCS\_GDA\_1994

[Back to Top](file:///\\act001cl06fs02\abares_data$\LandAndForest\LandUseAndManagement\_Projects\2017EcoCloud\Deliverables\LantanaMCASS2018\Data\Primary\Conservation\important_wetlands.htm#Top)

**Data Quality Information:**

**Lineage:**

The coverage was largely derived from the TOPO250K.WATERBOD coverage (AUSLIG, 1992).

A significant portion of some of the wetland boundaries for each state have also been supplied directly from the relevant state agencies. These include the QLD Environmental Protection Agency, NSW Department of Environment and Conservation, and the Victorian Department of Sustainability and Environment.

Data supplied from State agencies may have been collected using different collection methods. These may include remotely sensed images and digitized boundaries from topographic maps or aerial photos.

For the identification of wetland boundaries or locations in regard to the compliance of activities with relevant State legislation, the relevant State authority should be contacted to obtain the most recent and accurate boundary information available.

In general the accuracy of wetland boundaries may be taken to be approximately +/- 250m in most cases.

In considering the accuracy of the wetland boundaries, users of this data should be aware of the dynamic nature of wetland boundaries and their likelihood of experiencing significant alteration over time due to climatic conditions.

Additional datasets used in compiling the Directory of Important Wetlands spatial data include:

Collaborative Australian Protected Areas Database CAPAD (Version 2.0, 1998)

National Estate, Important Wetlands Tasmania (WETLANDSREP97)

20M BUFFERED CENTROIDS: derived from coordinates (DMS) contained in the Wetlands Inventory 2nd Ed. (ANCA, 1996) & 3rd Ed. (EA, 2001).

Location of Cook Island Nature Reserve (off the NSW north coast) updated to match NSW Department of Environment and Climate Change data.

Feburary 2008:

Missing External Territories added to dataset (20M BUFFERED CENTROIDS: derived from coordinates (DMS) as listed in the Australian Wetlands Database, 2001). Missing SA site Upper Hindmarsh River Catchment - SA035 recovered from archives.

September 2008

100 Arce Swamp and Lake Macquarie added.

**Source data acknowledgements:**

QLD Environmental Protection Agency, June 2005.

VIC Department of Sustainability and Environment, April 2004.

NSW Department of Environment and Conservation, March 2004

Australian Surveying and Land Information Group (1994) TOPO-250K;

Department of the Environment and Heritage (1998) CAPAD V2.0;

Department of the Environment and Heritage (1997) National Estate - Important Wetlands;

ANCA (1996) A Directory of Important Wetlands in Australia 2nd ed;

Department of the Environment and Heritage (2001) A Directory of Important Wetlands in Australia 3rd ed.

**Data quality report - Absolute positional accuracy:**

+/ - 250m can be assumed for most cases.

This dataset should be used only to indicatively locate wetland boundaries or approximate locations.

The data has been compiled from various sources and therefore mapping methodologies for wetlands is variable across State jurisdictions and over time.

In considering the accuracy of the wetland boundaries, users of this data should be aware of the dynamic nature of wetland boundaries and their likelihood of experiencing significant alteration over time due to climatic conditions.

**Data quality report - Attribute accuracy:**

Most refcode attributes have been checked against the Directory of Important Wetlands. Refcode accuracy assumed to be 99% correct.

Most wname attributes have been checked against the Directory of Important Wetlands. wname accuracy assumed to be 99% correct.

**Data quality report - Conceptual consistency:**

Wetland boundaries (minimum sample of 1 in 5) are visually compared to various datasources (e.g. streamlines and topographic data) to ensure approximate accuracy when updates are received by the Department.

All wetlands are attributed with a unique reference code (REFCODE).

Some wetlands may be located only by approximate centroid points until data updates are received.

NSW wetlands supplied in March 2004 are derived from Kingsford et. al, 'The Distribution of Wetlands in New South Wales', NSW NPWS.

NSW wetlands supplied in March 2004 have been checked by NSW DEC against 100K and 250K topo mapsheets, Auslig waterbody data (1994) and 25K topo maps and aerial photos along coastal areas. (see 2003, Kingsford et. al, 'The Distribution of Wetlands in New South Wales', NSW NPWS).

QLD wetlands supplied by QLD EPA in June 2005 have had polygons attributed as 'exclusions' removed from this dataset to ensure that unlabelled maps do not misrepresent the extent of Directory wetlands.

**Data quality report - Completeness:**

98% Complete as of August 2005, Coverage will be updated and rebuilt as States/Territories provide full wetland boundaries.

98% Complete as of August 2005, Coverage will be updated and rebuilt as States/Territories provide full wetland boundaries.

[Back to Top](file:///\\act001cl06fs02\abares_data$\LandAndForest\LandUseAndManagement\_Projects\2017EcoCloud\Deliverables\LantanaMCASS2018\Data\Primary\Conservation\important_wetlands.htm#Top)

**Distribution Information:**

**Distributor's name:** Australian Government Department of the Environment, Water, Heritage and the Arts

**Distribution format:**

**Format name:** ArcView shapefile

**Transfer options:**

**Online Location:** http://www.environment.gov.au

**Available As:** Downloadable Data from web site

[Back to Top](file:///\\act001cl06fs02\abares_data$\LandAndForest\LandUseAndManagement\_Projects\2017EcoCloud\Deliverables\LantanaMCASS2018\Data\Primary\Conservation\important_wetlands.htm#Top)

**Metadata Information**

\***Metadata language:** English

\***Metadata character set:** utf8 - 8 bit UCS Transfer Format

**Last update:** 2008-10-16

**Metadata contact:**

**Organisation:**Australian Government Department of the Environment, Water, Heritage and the Arts

**Contact's position:** Water Data Metadata

**Contact information:**

**Phone:**

**Voice:** 02 6274 1111

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**Delivery point:** GPO Box 787

**City:** Canberra

**Administrative area:** ACT

**Postal code:** 2601

**Country:** Australia

**e-mail address:** water.metadata@environment.gov.au

**Online resource:**

**Online Location:** http://www.environment.gov.au/

\***Scope of the data described by the metadata:** dataset

\***Scope name:** dataset

**Name of the metadata standard used:** ISO 19115 Geographic Information - Metadata

**Version of the metadata standard:** Australian Government

**Metadata identifier:** ANZCW0501003820

[Back to Top](file:///\\act001cl06fs02\abares_data$\LandAndForest\LandUseAndManagement\_Projects\2017EcoCloud\Deliverables\LantanaMCASS2018\Data\Primary\Conservation\important_wetlands.htm#Top)