



**Australian Government**

**Bureau of Meteorology**

# **Metadata and Contextual Information Requirements**

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**Description:** For the purposes of Regulation 1.06 and 7.11 of the *Water Regulations 2008*, this document sets out the metadata and contextual information that must be given to the Bureau of Meteorology, at the same time as water information in Categories 1 to 6, 8, 9 and 11.

All metadata and contextual information requirements listed for particular subcategories or categories of water information must be given if they are in a person's possession, custody or control.

**Hyperlinks:** All linked references are for explanatory purposes only and do not form part of this incorporated document.

## VERSION CONTROL

Version	Release date	Operative from	Operative up to and including	Description of changes
1, 2012	5 July 2012	5 July 2012	27 February 2014	N/A
1, 2014	28 February 2014	28 February 2014	27 November 2014	Added requirements for new subcategories 2d and 2e
2	15 May 2014	28 November 2014	27 July 2015	Added detailed element lists for Category 1 and subcategories 2a, 2b and 2c
3	20 January 2015	28 July 2015	1 March 2017	Added detailed element lists for Category 3 and Category 6
4	29 August 2016	2 March 2017	27 March 2017	Added detailed element lists for Category 4 and Category 9
4.1	28 March 2017	28 March 2017	1 October 2017	Document revised to align with the implementation of the <i>Water Amendment (Water Information) Regulations 2017</i>

<b>Version</b>	<b>Release date</b>	<b>Operative from</b>	<b>Operative up to and including</b>	<b>Description of changes</b>
5	28 March 2017	2 October 2017	9 September 2019	Added detailed element list for Category 5
6	7 March 2019	10 September 2019	22 December 2020	Added detailed element list for Category 8
7	23 June 2020	23 December 2020	Open	Added detailed element list for Category 11

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## Metadata and contextual information requirements for subcategories of water information in Schedule 3 of the *Water Regulations 2008*

### Metadata and contextual information requirements for category 1 — surface water resource information

Further information about the elements listed below, including how they are grouped together, descriptions and examples can be found in the [explanatory notes](#)

<p><b>Subcategories 1a and 1b</b></p> <p><i>For explanatory notes on subcategories 1a and 1b metadata and contextual information, go to: <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat1-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat1-v1.pdf</a></i></p>
Data owner ID
Data provider ID
Site name
Site description
Site ID
Site position
Measuring point name
Measuring point description
Measuring point ID
Measuring point position
Time series ID
Time series description
Data point interpolation type
Measurement status
Measurement date and time
Measurement unit
Measurement quality

<b>Subcategories 1a and 1b</b> <i>For explanatory notes on subcategories 1a and 1b metadata and contextual information, go to: <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat1-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat1-v1.pdf</a></i>
Stream gauging ID
Stream gauging parameters
Stream gauging procedure
Watercourse name
Flow control type
Cease-to-flow level
Conversion table name
Conversion table start date-time
Conversion table relationship
Conversion table value pairs
Conversion table interpolation parameters

## Metadata and contextual information requirements for category 2 — ground water resource information

Further information about the elements listed below, including how they are grouped together, the elements which are common to subcategories 2a and 2b, descriptions and examples can be found in the [explanatory notes](#)

<p><b>Subcategory 2a</b></p> <p><i>For explanatory notes on subcategory 2a metadata and contextual information, go to: <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat2-v1.1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat2-v1.1.pdf</a></i></p>
Data owner ID
Data provider ID
Site name
Site description
Site ID
Site position
Measuring point name
Measuring point description
Measuring point ID
Measuring point position
Time series ID
Time series description
Data point interpolation type
Measurement status
Measurement date and time
Measurement unit
Measurement quality
Bore construction date



<p><b>Subcategory 2a</b></p> <p><i>For explanatory notes on subcategory 2a metadata and contextual information, go to: <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat2-v1.1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat2-v1.1.pdf</a></i></p>
Bore natural surface level
Bore pipe description
Bore pipe aquifer
Bore pipe screen information
Bore pipe depth
Bore pipe yield
Groundwater level measurement procedure name
Groundwater level measurement procedure description
Groundwater level sensor
Groundwater level vertical datum type
Groundwater level vertical datum elevation
Groundwater level measurement axis
Bore top of casing elevation

<p><b>Subcategory 2b</b></p> <p><i>For explanatory notes on subcategory 2b metadata and contextual information, go to: <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat2-v1.1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat2-v1.1.pdf</a></i></p>
Data owner ID
Data provider ID
Site name
Site description
Site ID
Site position
Measuring point name
Measuring point description
Measuring point ID
Measuring point position
Time series ID
Time series description
Data point interpolation type
Measurement status
Measurement date and time
Measurement unit
Measurement quality
Bore construction date
Bore natural surface level
Bore pipe description
Bore pipe aquifer

### Subcategory 2b

For explanatory notes on subcategory 2b metadata and contextual information, go to:  
[http://www.bom.gov.au/water/regulations/schedules/document/Expl\\_notes\\_metadata\\_cat2-v1.1.pdf](http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat2-v1.1.pdf)

Bore pipe screen information

Bore pipe depth

Bore pipe yield

Groundwater pressure measurement procedure name

Groundwater pressure measurement procedure description

Groundwater pressure sensor

Groundwater pressure temperature compensated

### Subcategory 2d

Metadata and contextual information relating to:

- Geologic units
- Hydrogeologic units
- Hydrogeologic complexes

### Subcategory 2e

Metadata and contextual information required within the [ESRI geodatabase in the National Groundwater Information System schema](#)

## Metadata and contextual information requirements for category 3 — water storage information

Further information about the elements listed below, including how they are grouped together, the elements which are common to subcategories 3a, 3b, 3c, 3d, 3da and 3e, descriptions and examples can be found in the [explanatory notes](#)

<p><b>Subcategory 3a</b></p> <p><i>For explanatory notes on subcategory 3a metadata and contextual information, go to:</i>  <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat3-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat3-v1.pdf</a></p>
Data owner ID
Data provider ID
Storage name
Site name
Site description
Site ID
Site position
Measuring point name
Measuring point description
Measuring point ID
Measuring point position
Times series ID
Time series description
Data point interpolation type
Measurement status
Measurement unit
Measurement quality
Conversion table name
Conversion table start date and time

**Subcategory 3a**

*For explanatory notes on subcategory 3a metadata and contextual information, go to:*

[http://www.bom.gov.au/water/regulations/schedules/document/Expl\\_notes\\_metadata\\_cat3-v1.pdf](http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat3-v1.pdf)

Conversion table relationship

Conversion table value pairs

Conversion table interpolation parameters

Measurement date and time

Measuring point vertical datum elevation

<p><b>Subcategory 3b</b></p> <p><i>For explanatory notes on subcategory 3b metadata and contextual information, go to:</i>  <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat3-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat3-v1.pdf</a></p>
Data owner ID
Data provider ID
Storage name
Site name
Site description
Site ID
Site position
Measuring point name
Measuring point description
Measuring point ID
Measuring point position
Times series ID
Time series description
Data point interpolation type
Measurement status
Measurement unit
Measurement quality
Conversion table name
Conversion table start date and time
Conversion table relationship
Conversion table value pairs

**Subcategory 3b**

*For explanatory notes on subcategory 3b metadata and contextual information, go to:*

[http://www.bom.gov.au/water/regulations/schedules/document/Expl\\_notes\\_metadata\\_cat3-v1.pdf](http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat3-v1.pdf)

Conversion table interpolation parameters

Measurement date and time

Measuring point vertical datum elevation

<p><b>Subcategory 3c</b></p> <p><i>For explanatory notes on subcategory 3c metadata and contextual information, go to:</i>  <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat3-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat3-v1.pdf</a></p>
Data owner ID
Data provider ID
Storage name
Site name
Site description
Site ID
Site position
Measuring point name
Measuring point description
Measuring point ID
Measuring point position
Times series ID
Time series description
Data point interpolation type
Measurement status
Measurement unit
Measurement quality
Start date and time of measurement
End date and time of measurement
Purpose of water released or delivered



<p><b>Subcategory 3d</b></p> <p><i>For explanatory notes on subcategory 3d metadata and contextual information, go to:</i>  <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat3-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat3-v1.pdf</a></p>
Data owner ID
Data provider ID
Storage name
Site name
Site description
Site ID
Site position
Measuring point name
Measuring point description
Measuring point ID
Measuring point position
Times series ID
Time series description
Data point interpolation type
Measurement status
Measurement unit
Measurement quality
Start date and time of measurement
End date and time of measurement
Purpose of water released or delivered

<p><b>Subcategory 3da</b></p> <p><i>For explanatory notes on subcategory 3da metadata and contextual information, go to:</i>  <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat3-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat3-v1.pdf</a></p>
Data owner ID
Data provider ID
Storage name
Site name
Site description
Site ID
Site position
Measuring point name
Measuring point description
Measuring point ID
Measuring point position
Times series ID
Time series description
Data point interpolation type
Measurement status
Measurement unit
Measurement quality
Start date and time of measurement
End date and time of measurement
Water source

<p><b>Subcategory 3e</b></p> <p><i>For explanatory notes on subcategory 3e metadata and contextual information, go to:</i>  <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat3-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat3-v1.pdf</a></p>
Data owner ID
Data provider ID
Storage name
Site name
Site description
Site ID
Site position
Measuring point name
Measuring point description
Measuring point ID
Measuring point position
Times series ID
Time series description
Data point interpolation type
Measurement status
Measurement unit
Measurement quality
Watercourse name
Measurement date and time

**Subcategory 3f**

*For explanatory notes on subcategory 3f metadata and contextual information, go to:*

[http://www.bom.gov.au/water/regulations/schedules/document/Expl\\_notes\\_metadata\\_cat3-v1.pdf](http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat3-v1.pdf)

Data owner ID

Data provider ID

Storage name

Location of the dam

Watercourse name

Full supply level

Minimum supply level

Total storage capacity

Accessible storage capacity

Dead storage capacity

## Metadata and contextual information requirements for category 4 — meteorological information

Further information about the elements listed below, including how they are grouped together, the elements which are common to all subcategories, descriptions and examples can be found in the [explanatory notes](#)

<p><b>Subcategories 4a, 4b and 4c</b></p> <p><i>For explanatory notes on subcategories 4a, 4b and 4c metadata and contextual information, go to: <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat4-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat4-v1.pdf</a></i></p>
Data owner ID
Data provider ID
Site name
Site description
Site ID
Site position
Site elevation
Site geographic description
Measuring point name
Measuring point description
Measuring point ID
Measuring point position
Measuring point elevation
Time series ID
Time series description
Data point interpolation type
Measurement date and time
Measurement status
Measurement unit

**Subcategories 4a, 4b and 4c**

*For explanatory notes on subcategories 4a, 4b and 4c metadata and contextual information, go to:*  
[http://www.bom.gov.au/water/regulations/schedules/document/Expl\\_notes\\_metadata\\_cat4-v1.pdf](http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat4-v1.pdf)

Measurement procedure

Measurement quality

Measurement comments

Duration of measurement

<p><b>Subcategories 4d, 4e, 4f, 4g, 4h, 4i and 4j</b></p> <p><i>For explanatory notes on subcategories 4d to 4j metadata and contextual information, go to:</i>  <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat4-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat4-v1.pdf</a></p>
Data owner ID
Data provider ID
Site name
Site description
Site ID
Site position
Site elevation
Site geographic description
Measuring point name
Measuring point description
Measuring point ID
Measuring point position
Measuring point elevation
Time series ID
Time series description
Data point interpolation type
Measurement date and time
Measurement status
Measurement unit
Measurement procedure
Measurement quality
Measurement comments

## Metadata and contextual information requirements for subcategories in category 5 — water use

Further information about the elements listed below, including how they are grouped together, the elements which are common to all subcategories, descriptions and examples can be found in the [explanatory notes](#)

<p><b>Subcategory 5a</b></p> <p><i>For explanatory notes on subcategory 5a metadata and contextual information, go to:</i>  <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat5-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat5-v1.pdf</a></p>
Data owner ID
Data provider ID
Name of State or Territory
Name of surface water system
Name of surface water management area
Water system spatial boundaries
Water management area spatial boundaries
Purpose of water taken
Unit of measure
Comments



<b>Subcategories 5b and 5c</b> <i>For explanatory notes on subcategories 5b and 5c metadata and contextual information, go to: <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat5-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat5-v1.pdf</a></i>
Data owner ID
Data provider ID
Name of State or Territory
Name of surface water system
Name of surface water management area
Name of irrigation network
Water system spatial boundaries
Water management area spatial boundaries
Unit of measure
Comments

<b>Subcategory 5d</b> <i>For explanatory notes on subcategory 5d metadata and contextual information, go to: <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat5-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat5-v1.pdf</a></i>
Data owner ID
Data provider ID
Name of State or Territory
Name of surface water system
Name of surface water management area
Water system spatial boundaries
Water management area spatial boundaries
Purpose of water taken
Resource type
Unit of measure
Comments

<p><b>Subcategory 5e</b></p> <p><i>For explanatory notes on subcategory 5e metadata and contextual information, go to:</i>  <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat5-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat5-v1.pdf</a></p>
Data owner ID
Data provider ID
Origin State or Territory
Origin water system
Origin water management area
Destination State or Territory
Destination surface water system
Destination surface water management area
Water system spatial boundaries
Water management area spatial boundaries
Unit of measure
Comments

<p><b>Subcategory 5f</b></p> <p><i>For explanatory notes on subcategory 5f metadata and contextual information, go to:</i>  <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat5-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat5-v1.pdf</a></p>
Data owner ID
Data provider ID
Name of State or Territory
Name of groundwater system
Name of groundwater management area
Water system spatial boundaries
Water management area spatial boundaries
Water access entitlement ID
Date water access entitlement issued
Irrigation network link to water access entitlement
Location of the extraction point
Purpose of water extracted
Unit of measure
Comments

<b>Subcategory 5g</b> <i>For explanatory notes on subcategory 5g metadata and contextual information, go to:</i> <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat5-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat5-v1.pdf</a>
Data owner ID
Data provider ID
Name of State or Territory
Name of groundwater system
Name of groundwater management area
Water system spatial boundaries
Water management area spatial boundaries
Purpose of water extracted
Unit of measure
Comments

<p><b>Subcategory 5h</b></p> <p><i>For explanatory notes on subcategory 5h metadata and contextual information, go to:</i>  <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat5-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat5-v1.pdf</a></p>
Data owner ID
Data provider ID
Origin State or Territory
Origin water system
Origin water management area
Destination State or Territory
Destination groundwater system
Destination groundwater management area
Water system spatial boundaries
Water management area spatial boundaries
Origin resource type
Destination resource type
Unit of measure
Comments

## Metadata and contextual information requirements for category 6 — information about water rights, allocations and trades

Further information about the elements listed below, including how they are grouped together, the elements which are common to subcategories 6a, 6b, 6c, 6d, 6e, 6f and 6g, descriptions and examples can be found in the [explanatory notes](#)

<p><b>Subcategory 6a</b></p> <p><i>For explanatory notes on subcategory 6a metadata and contextual information, go to:</i>  <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat6-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat6-v1.pdf</a></p>
Data owner ID
Data provider ID
Name of State or Territory
Name of water system
Name of water resource plan area
Name of trading zone
Water access entitlement ID or irrigation right ID
Date water access entitlement or irrigation right issued
Water right type
Resource type
Reliability
New entitlement
Tradable inter-state
Tradable inter-region
Tradable intra-region
Quantity of water

<p><b>Subcategory 6b</b></p> <p><i>For explanatory notes on subcategory 6b metadata and contextual information, go to: <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat6-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat6-v1.pdf</a></i></p>
Data owner ID
Data provider ID
Name of State or Territory
Name of water system
Name of water resource plan area
Name of trading zone
Water access entitlement ID or irrigation right ID
Entitlement trade ID
Water right type
Resource type
Water right trade type
Reliability
Destination State or Territory
Destination water system
Destination water resource plan area
Destination trading zone
Quantity of water traded or leased
Gross sale or lease price
Net sale or lease price
Duration of lease
Date of trade application



<b>Subcategory 6b</b> <i>For explanatory notes on subcategory 6b metadata and contextual information, go to:</i> <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat6-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat6-v1.pdf</a>
Date trade application lodged at relevant authority
Date trade application approved
Date trade application lodged at register
Date of registration
Trade status
Environmental trade
Water traded as part of property sale
Trade involves a change in ownership
Critical needs purchase

<p><b>Subcategory 6c</b></p> <p><i>For explanatory notes on subcategory 6c metadata and contextual information, go to: <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat6-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat6-v1.pdf</a></i></p>
Data owner ID
Data provider ID
Name of State or Territory
Name of water system
Name of water resource plan area
Name of trading zone
Allocation trade ID
Resource type
Destination State or Territory
Destination water system
Destination water resource plan area
Destination trading zone
Quantity of water traded or leased
Gross sale or lease price
Net sale or lease price
Date of trade application
Date trade application lodged at relevant authority
Date trade application approved
Date trade application lodged at register
Date of registration
Trade status

**Subcategory 6c**

*For explanatory notes on subcategory 6c metadata and contextual information, go to:*  
[http://www.bom.gov.au/water/regulations/schedules/document/Expl\\_notes\\_metadata\\_cat6-v1.pdf](http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat6-v1.pdf)

Environmental trade

Trade involves a change in ownership

Critical needs purchase

<p><b>Subcategory 6d</b></p> <p><i>For explanatory notes on subcategory 6d metadata and contextual information, go to: <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat6-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat6-v1.pdf</a></i></p>
Data owner ID
Data provider ID
Name of State or Territory
Name of water system
Name of water resource plan area
Name of trading zone
Date of announcement
Period of effect
Water right type
Resource type
Reliability
Enhancement announcement
Restriction announcement
Announced allocation
Carry over

<b>Subcategory 6e</b> <i>For explanatory notes on subcategory 6e metadata and contextual information, go to:</i> <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat6-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat6-v1.pdf</a>
Data owner ID
Data provider ID
Name of State or Territory
Name of water system
Name of water resource plan area
Name of trading zone
Storage permit ID
Date permit issued
Location of the dam
Total storage capacity

<b>Subcategory 6f</b> <i>For explanatory notes on subcategory 6f metadata and contextual information, go to:</i> <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat6-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat6-v1.pdf</a>
Data owner ID
Data provider ID
Name of State or Territory
Name of water system
Name of water resource plan area
Name of trading zone
Bore permit ID
Date permit issued
Location of the bore
Permitted depth of the bore
Maximum permissible extraction volume
Maximum permissible extraction rate
Other conditions of use

<b>Subcategory 6g</b> <i>For explanatory notes on subcategory 6g metadata and contextual information, go to:</i> <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat6-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat6-v1.pdf</a>
Data owner ID
Data provider ID
Name of State or Territory
Name of water system
Name of water resource plan area
Name of trading zone
Watercourse self-extraction permit ID
Date permit issued
Location of the watercourse extraction point
Maximum permissible extraction volume
Maximum permissible extraction rate
Other conditions of use

For metadata and contextual information requirements for subcategories in category 7 (information about urban water management) see *Urban Water Management Information Requirements* at:  
<http://www.bom.gov.au/water/regulations/schedules/urbanWater.shtml>



## Metadata and contextual information requirements for category 8 — water restrictions

Further information about the elements listed below, including how they are grouped together, descriptions and examples can be found in the [explanatory notes](#)

<p><b>Subcategory 8a</b></p> <p><i>For explanatory notes on subcategory 8a metadata and contextual information, go to:</i>  <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat8-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat8-v1.pdf</a></p>
Organisation description
Organisation URL
Restriction name
Restriction abbreviation
Restriction description
Restriction URL
Restriction status
Date restriction effective
Date restriction superseded
Restriction area name
Restriction area description
Restriction area spatial boundary
Water use restriction announcement start date
Water use restriction announcement end date
Water use restriction announcement comment

## Metadata and contextual information requirements for subcategories in category 9 — water quality information

Further information about the elements listed below, including how they are grouped together, the elements which are common to all subcategories, descriptions and examples can be found in the [explanatory notes](#)

<p><b>Subcategories 9a, 9c, 9d, 9e, 9f, 9g and 9h</b></p> <p><i>For explanatory notes on subcategories 9a, 9c–9g and 9h metadata and contextual information, go to: <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat9-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat9-v1.pdf</a></i></p>
Data owner ID
Data provider ID
Site name
Site description
Site ID
Site position
Measuring point name
Measuring point description
Measuring point ID
Measuring point position
Time series ID
Time series description
Data point interpolation type
Sample ID
Sample description
Sample date and time
Sampling depth
Sample processing procedure

<b>Subcategories 9a, 9c, 9d, 9e, 9f, 9g and 9h</b> <i>For explanatory notes on subcategories 9a, 9c–9g and 9h metadata and contextual information, go to: <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat9-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat9-v1.pdf</a></i>
Measurement number
Measurement date and time
Measurement status
Measurement unit
Measurement procedure
Measurement quality
Measurement comments
Watercourse name

<p><b>Subcategories 9b and 9ga</b></p> <p><i>For explanatory notes on subcategories 9b and 9ga metadata and contextual information, go to: <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat9-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat9-v1.pdf</a></i></p>
Data owner ID
Data provider ID
Site name
Site description
Site ID
Site position
Measuring point name
Measuring point description
Measuring point ID
Measuring point position
Time series ID
Time series description
Data point interpolation type
Sample ID
Sample description
Sample date and time
Sampling depth
Sample processing procedure
Measurement number
Measurement date and time
Measurement status

**Subcategories 9b and 9ga**

*For explanatory notes on subcategories 9b and 9ga metadata and contextual information, go to:*  
[http://www.bom.gov.au/water/regulations/schedules/document/Expl\\_notes\\_metadata\\_cat9-v1.pdf](http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat9-v1.pdf)

Measurement unit

Measurement procedure

Measurement quality

Measurement comments

Bore pipe screen information

## Metadata and contextual information requirements for category 11 — water information for flood warning purposes

Further information about the elements listed below, including how they are grouped together, the elements which are common to all subcategories, descriptions and examples can be found in the [explanatory notes](#)

<p><b>Subcategory 11a</b></p> <p><i>For explanatory notes on subcategory 11a metadata and contextual information, go to: <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat_11-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat_11-v1.pdf</a></i></p>
Data provider ID
Name of river region
Watercourse name
Site ID
Site name
Site description
Site position
Site elevation
Measuring point ID
Measuring point position
Measurement date and time
Measurement unit
Measurement status
Data type
Vertical datum type
Flow control type
Gauge zero
Cease-to-flow level

**Subcategory 11a**

*For explanatory notes on subcategory 11a metadata and contextual information, go to:*  
[http://www.bom.gov.au/water/regulations/schedules/document/Expl\\_notes\\_metadata\\_cat\\_11-v1.pdf](http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat_11-v1.pdf)

Rating table name

Rating table start date and time

Rating table relationship

Rating table value pairs

Rating table interpolation/extrapolation parameters

<p><b>Subcategory 11b</b></p> <p><i>For explanatory notes on subcategory 11b metadata and contextual information, go to: <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat_11-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat_11-v1.pdf</a></i></p>
Data provider ID
Name of river region
Watercourse name
Site ID
Site name
Site description
Site position
Site elevation
Measuring point ID
Measuring point position
Measurement date and time
Measurement unit
Measurement status
Data type
Vertical datum type
Flow control type
Gauge zero
Cease-to-flow level
Rating table name
Rating table start date and time
Rating table relationship
Rating table value pairs



**Subcategory 11b**

*For explanatory notes on subcategory 11b metadata and contextual information, go to:*  
[http://www.bom.gov.au/water/regulations/schedules/document/Expl\\_notes\\_metadata\\_cat\\_11-v1.pdf](http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat_11-v1.pdf)

Rating table interpolation/extrapolation parameters

<p><b>Subcategory 11c</b></p> <p><i>For explanatory notes on subcategory 11c metadata and contextual information, go to: <a href="http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat_11-v1.pdf">http://www.bom.gov.au/water/regulations/schedules/document/Expl_notes_metadata_cat_11-v1.pdf</a></i></p>
Data provider ID
Name of river region
Site ID
Site name
Site description
Site geographic description
Site position
Site elevation
Measuring point ID
Measuring point position
Measurement date and time
Measurement unit
Measurement status
Measurement procedure
Data type
Height of rain gauge