

Is the Bore Eligible for Make Good?

Complete **ONE** form for each water bore

PART A - INITIAL ASSESSMENT <i>To determine if a water bore is eligible for Make Good and whether a Bore Assessment is required</i>	
1. Is the bore authorised? For Chapter 3 of the Water Act to apply to a water bore, the bore must: <ul style="list-style-type: none"> be authorised to take or interfere with water under the Water Act (i.e. possess a relevant water authorisation such as a water licence) have a relevant development approval, if required (i.e. possess approval under the <i>Planning Act 2016</i> or the repealed <i>Sustainable Planning Act 2009</i> or the repealed <i>Integrated Planning Act 1997</i>). Bores that do not meet the above requirements do not require a bore assessment as Chapter 3 of the Water Act does not apply.	<div style="background-color: #d9ead3; padding: 5px; margin-bottom: 5px;"> <input type="checkbox"/> YES ➡ go to 2 </div> <div style="background-color: #f2dede; padding: 5px;"> <input type="checkbox"/> NO ➡ if the bore is not authorised, it is not eligible for Make Good </div>
2. Does the bore currently have the capacity to produce water?	<div style="background-color: #d9ead3; padding: 5px; margin-bottom: 5px;"> <input type="checkbox"/> YES ➡ go to 4 </div> <div style="background-color: #f2dede; padding: 5px;"> <input type="checkbox"/> NO ➡ go to 3 </div>
3. Select the reason why the bore does not have the capacity to produce water: The bore has been abandoned and is: <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <input type="checkbox"/> Historically dry (never struck water or had standing water level) <input type="checkbox"/> Damaged <input type="checkbox"/> Destroyed </div>	➡ go to 4
4. Has the bore been identified as an Immediately Affected Area (IAA) bore in an Underground Water Impact Report (UWIR)? <ul style="list-style-type: none"> If the bore is within the Surat Cumulative Management Area (Surat CMA), search for the bore's registration number (RN) at: https://www.dnrme.qld.gov.au/business/mining/surat-cma/bore-search If the bore is outside the Surat CMA, check with the responsible tenure holder (RTH) Bore Reference No. (RN): _____	<div style="background-color: #d9ead3; padding: 5px; margin-bottom: 5px;"> <input type="checkbox"/> YES ➡ A Bore Assessment must be conducted by the RTH. Go to PART B </div> <div style="background-color: #f2dede; padding: 5px;"> <input type="checkbox"/> NO ➡ go to 5 </div>
5. If the bore <u>has not</u> been identified in a UWIR: Is the bore impaired or is the bore likely to become impaired (either due to a decline in water level and/or the presence of free gas) due to resource activities?	<div style="background-color: #d9ead3; padding: 5px; margin-bottom: 5px;"> <input type="checkbox"/> YES ➡ go to 6 </div> <div style="background-color: #f2dede; padding: 5px;"> <input type="checkbox"/> NO ➡ go to 7 </div>

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PART A - INITIAL ASSESSMENT

To determine if a water bore is eligible for Make Good and whether a Bore Assessment is required

6. Is the bore (select where applicable):

- no longer capable of supplying a reasonable quantity or quality of water for its authorised purpose
(Note: this does not apply if 'No' was selected in 2)
- affected or likely to become affected by the exercise of the RTH's underground water rights
(Note: this does not apply if 'No' was selected in 2)
- experiencing impaired capacity due to the adverse effects of free gas
(i.e. damage to the bore's infrastructure, poses a health or safety risk such that the bore can no longer supply reasonable quantity or quality of water for its authorised use or purpose)

YES ➔ go to 7

NO ➔ Bore is not eligible for Make Good

7. Report to the Department of Natural Resources, Mines and Energy's (DNRME's) Mineral and Energy and Resources Engagement and Compliance Unit (MEREUCU).

MEREUCU will investigate and report findings to the Department of Environment and Science (DES)
Contact details for MEREUCU are:
Phone: 13 71 07
Email: resources.info@dnrme.qld.gov.au

➔ go to 8

8. Has DES issued a notice directing the RTH to undertake a bore assessment?

If the chief executive of DES reasonably believes that the bore has been or is likely to become impaired by resource activities, they can direct the Responsible Tenure Holder (RTH) to undertake a bore assessment within a stated timeframe and submit an outcome of bore assessment

YES ➔ A Bore Assessment must be conducted by the RTH. Go to PART B

NO ➔ Bore is not eligible for Make Good

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PART B - A BORE ASSESSMENT IS REQUIRED. WHAT HAPPENS NOW?

A bore assessment is required to establish whether the bore has or is likely to start having an impaired capacity due to the exercise of underground water rights causing a decline in the water level of the aquifer at the bores location.

Undertaking a bore assessment must involve the following four steps:

- Step 1** Field assessment of the current bore condition – conducted by the RTH
(the bore owner should provide as much information as possible to assist with the field assessment part of the bore assessment)
- Step 2** Determine whether water levels have declined or are predicted to decline
- Step 3** Determine whether declining water levels are due to the exercise of underground water rights by a resource tenure holder
- Step 4** Determine whether the bore can continue to provide a reasonable quantity and quality of water for its authorised use or purpose

When undertaking the bore assessment to determine whether the bore is or is likely to have impaired capacity *due to free gas*, the RTH must follow best practice industry standards for carrying out work.

The bore owner and the RTH may wish to discuss some of the information prior to the assessment.

The following summarises the key obligations and responsibilities for a bore assessment based on the Guideline: *Quick Guide – Make Good Obligations* published by DES <https://www.ehp.qld.gov.au/assets/documents/regulation/rs-gl-make-good-obligations-guide.pdf>

Contact details

Name of RTH (company name): _____

RTH contact person: _____

Phone number: _____

Name of bore owner: _____

Phone number: _____

PART B - A BORE ASSESSMENT IS REQUIRED. WHAT HAPPENS NOW?

The RTH will obtain and provide the original Bore Report containing installation and completion details for the bore and a copy should be provided to the bore owner. Owners may wish to obtain a copy of the Bore Report themselves online (referencing the water bore registration number):

<https://www.business.qld.gov.au/industries/mining-energy-water/water/bores-and-groundwater/bore-reports>

The Bore Report data may not be complete. Attach the Bore Report to this form for ease of reference.

Information required from the bore owner

Below is the information that should be made available to the RTH prior to the field assessment. This information is required to determine the construction of the bore, its current condition and purpose. The more information provided, the more accurate the assessment will be.

9. Bore and property information

Local bore name: _____

Property name: _____

Lot: _____ Plan: _____

Bore type:

- Sub-artesian
- Artesian (controlled flow)
- Artesian (uncontrolled flow)
- Artesian (ceased to flow)

10. Are the bore construction details available?

Driller name: _____ Drilling company name: _____

Date bore was drilled: _____

Total depth of bore: _____ metres below ground level

Bore screen type:

- Perforations
- Slots
- Open hole
- Screen
- Other: _____

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Casing material: _____ (e.g. PCV, stainless steel)

Outside diameter: _____ mm

Details of any seals and cement grouting installed in the annulus: _____

Source aquifer from which water is accessed: _____

Additional comments: _____

11. Is the bore equipped with a pump? *If it is not, go to 12*

Pump type: _____

Pump make: _____

Pump model: _____

Pump setting depth: _____ metres below ground level

Is the bore equipped with a meter?

Yes

No

Power source (select):

Electric motor

Generator

Direct drive engine

Mains supply

Tractor

Windmill

Other: _____

Headworks description: _____

Repair/maintenance history: _____

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12. Bore water supply information

Purpose of bore:

Stock

Domestic

Intensive stock

Irrigation

Town water supply

Other: _____

How often is the bore used? Estimate hours pumped per day: _____ hrs

Operational capacity: _____ L/s

Seasonal variation: _____

Peak usage (including maximum volumes extracted and period of peak extraction). If information is not available, provide estimated volumes supplied by the bore by using Appendix 1 of the Bore Assessment Guideline (ESR/2016/1999): _____

13. Water level measurement details

Water level: _____ metres below ground level

Datum point description (e.g. top of bore casing): _____

Height of datum above ground level: _____ m

Date and time of measurement: _____

Status of pump: _____

Duration of pumping and rest period:

• Pumping period: _____

• Rest period: _____

Method of measuring water level (e.g. conduit, direct access): _____

Provide any other water level or pressure records if available (attached if necessary): _____

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14. Water quality details

The RTH will conduct a full analysis of the bore water quality (including field and laboratory testing). The method of testing will be in accordance with relevant groundwater sampling guidelines.

If you have taken your own field measurements, please provide results:

- pH: _____
- Temperature: _____ °C
- Electrical conductivity: _____ μS/cm
- Date taken: _____

15. Gassy bore

The bore owner must advise the RTH if gas is present in the bore.

Is the bore gassy:

Yes If so, when was it first observed? _____ No

Has the amount of gas increased over time?

Yes No

Other observations regarding the presence of

gas: _____

16. Other information (e.g. historical records):

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STATUTORY OBLIGATION	RESPONSIBILITIES	
	RESPONSIBLE TENURE HOLDER (RTH) <i>The responsible gas company</i>	BORE OWNER (Owner)
Undertake Bore Assessment		
<ul style="list-style-type: none"> <input type="checkbox"/> Underground water impact report (UWIR) required for the resource tenure (unless exempt) <input type="checkbox"/> Submit to DES for approval 	<ul style="list-style-type: none"> <input type="checkbox"/> Prepare a UWIR: <ul style="list-style-type: none"> o identify the bores within the tenure area o define any immediately affected area (IAA) bores and long-term affected area (LAA) bores o provide a water monitoring strategy and spring impact management strategy <input type="checkbox"/> Submit to DES for approval <input type="checkbox"/> Implement UWIR <input type="checkbox"/> Publish UWIR on website 	NA
<ul style="list-style-type: none"> <input type="checkbox"/> On bores published as Immediately Affected Area (IAA) bores in an underground water impact report (UWIR) <input type="checkbox"/> Other bores if directed by DES (section 418 of the Water Act) <input type="checkbox"/> Comply with the Bore Assessment Guidelines published by DES <input type="checkbox"/> The Owner must comply with any reasonable request by the RTH to provide information 	<ul style="list-style-type: none"> <input type="checkbox"/> Undertake a Bore Assessment if: <ul style="list-style-type: none"> o required under a UWIR o directed by DES <input type="checkbox"/> Comply with the Bore Assessment Guidelines published by DES (Guideline – Bore Assessments (ESR/2016/2005)) <input type="checkbox"/> Determine whether the bore has or is likely to have an impaired capacity <input type="checkbox"/> Inform the Owner of the date they will receive the Outcome of Bore Assessment report 	<ul style="list-style-type: none"> <input type="checkbox"/> Provide a copy of any invoice in relation to the removal of equipment that was requested by the RTH <input type="checkbox"/> Provide the following information to the RTH: <ul style="list-style-type: none"> o the location of any water bores on the land o any other information the RTH reasonably requires to undertake a Bore Assessment of any bores on the land <input type="checkbox"/> Provide access to enable the RTH to undertake the Bore Assessment <input type="checkbox"/> Provide information about the water bore to assist RTH in completing the Bore Assessment (fill in details in this form) <input type="checkbox"/> Understand the Bore Assessment and its implications

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	RESPONSIBLE TENURE HOLDER (RTH) <i>The responsible gas company</i>	BORE OWNER (Owner)
Provide notice to Owner: <ul style="list-style-type: none"> <input type="checkbox"/> State date the Bore Assessment will be undertaken <input type="checkbox"/> Provide details of who will be undertaking the Bore Assessment <input type="checkbox"/> At least 10 business days prior to undertaking a Bore Assessment 	<ul style="list-style-type: none"> <input type="checkbox"/> Contact the Owner in advance of issuing a notice to undertake the Bore Assessment: <ul style="list-style-type: none"> o explain what a Bore Assessment is and why it is necessary o enquire about: <ul style="list-style-type: none"> ▪ whether equipment will need to be removed from the bore prior to the assessment ▪ if the owner prefers to manage the removal of any pumps or equipment, how long the Owner needs to remove the equipment ▪ suitable dates to schedule the work to minimise disturbance with other activities on the property e.g. mustering, spraying etc o inform the Owner that they are not required to be present for the bore assessment and explain the mechanism and frequency of communication to report progress throughout the Bore Assessment o inform the Owner that a notice will be provided detailing: <ul style="list-style-type: none"> ▪ the date, time and estimated duration ▪ who will do the assessment ▪ how costs of removal of infrastructure will be covered <input type="checkbox"/> Give notice of intention to undertake a Bore Assessment to the Owner at least 10 business days before accessing site to undertake the Bore Assessment 	<ul style="list-style-type: none"> <input type="checkbox"/> Assist the RTH in planning and scheduling the Bore Assessment <input type="checkbox"/> If the proposed timing of the Bore Assessment conflicts with planned activities such as mustering, harvesting etc, work with the RTH to reschedule as soon as practical <input type="checkbox"/> Comply with any reasonable request for information from the RTH if they possess the information <input type="checkbox"/> Comply with any reasonable request for information from the RTH if they possess the information. <input type="checkbox"/> Provide a copy of any invoice in relation to the removal of equipment that was requested by the RTH <input type="checkbox"/> If asked, provide: <ul style="list-style-type: none"> o the location of any water bores on the land o any other information the resource tenure holder reasonably requires to undertake a Baseline Assessment of any bores on the land
Notice of outcome of bore assessment		
Provide information collected during a Bore Assessment <ul style="list-style-type: none"> <input type="checkbox"/> On the DES form: Outcome of Bore Assessment 	<ul style="list-style-type: none"> <input type="checkbox"/> Discuss the findings of the Bore Assessment with the Owner 	<ul style="list-style-type: none"> <input type="checkbox"/> Discuss the information in the Outcome of Bore Assessment report with the RTH – understand the outcome of the assessment as this will: <ul style="list-style-type: none"> o be agreed as part of the Make Good Agreement

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	RESPONSIBLE TENURE HOLDER (RTH) <i>The responsible gas company</i>	BORE OWNER (Owner)
<ul style="list-style-type: none"> <input type="checkbox"/> To the Owner and the Office of Groundwater Impact Assessment (OGIA) within 30 business days after undertaking the assessment <input type="checkbox"/> To DES if the Bore Assessment was undertaken in response to a direction notice 	<ul style="list-style-type: none"> <input type="checkbox"/> Provide a copy of the Outcome of Bore Assessment report to the Owner, OGIA (and DES if required) within 30 business days of completing the Bore Assessment <i>Note: 30 business day period commences once laboratory results are received and this information has been analysed</i> <input type="checkbox"/> Explain outcome of Bore Assessment to the Owner <input type="checkbox"/> Inform the Owner about the next steps in the process and the timeframe for each step 	<ul style="list-style-type: none"> <input type="checkbox"/> determine whether Make Good Measures will be required <input type="checkbox"/> Enquire about the next steps in the process and the timeframe for each step
Collection of data and qualifications		
<p>Qualifications for persons conducting Bore Assessments:</p> <p>Ensure that the person/s conducting the field measurements required for a Bore Assessment possess:</p> <ul style="list-style-type: none"> <input type="checkbox"/> a minimum of two years prior experience in at least one of the following fields: underground water level monitoring programs, the conduct of underground water quality sampling programs, hydrogeology and/or engineering. <input type="checkbox"/> has a practical knowledge of water bore construction and infrastructure <p>Provide the Owner with evidence of the person(s) skills and expertise, when requested.</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Engage appropriately qualified people to conduct the Bore Assessment <input type="checkbox"/> Inform the Owner about the people who will be conducting the Bore Assessment <input type="checkbox"/> Provide the Owner with evidence of the skills and expertise of the person(s) conducting the Bore Assessment if requested 	<ul style="list-style-type: none"> <input type="checkbox"/> Request the RTH to provide evidence of the person(s) skills and expertise if concerned that the person(s) conducting the Bore Assessment does not possess the appropriate skills and experience

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STATUTORY OBLIGATION	RESPONSIBILITIES	
	RESPONSIBLE TENURE HOLDER (RTH) <i>The responsible gas company</i>	BORE OWNER (Owner)
Quality assurance and quality control <input type="checkbox"/> Comply with the Bore Assessment Guidelines published by DES regarding quality assurance and control	<input type="checkbox"/> Develop a formal quality assurance program and undertake Bore Assessments in accordance with the formal quality assurance program. <input type="checkbox"/> Ensure the formal quality assurance program include quality control procedures consistent with the principles of the following documents: <ul style="list-style-type: none"> ○ AS/NZ 9000 Quality management system series ○ quality assurance/quality control of AS/NZS 5667.11:1998 Water quality - Sampling - Guidance on sampling of groundwaters (Joint Technical Committee EV/8, 2016) ○ Monitoring and Sampling Manual 2009— Environmental Protection (Water) Policy 2009 (DES) <input type="checkbox"/> Provided the quality assurance program to the chief executive of DES upon written request within the requested timeframe	NA

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STATUTORY OBLIGATION	RESPONSIBILITIES	
	RESPONSIBLE TENURE HOLDER (RTH) <i>The responsible gas company</i>	BORE OWNER (Owner)
<p>Independent third-party certification</p> <ul style="list-style-type: none"> <input type="checkbox"/> Comply with the Bore Assessment Guidelines published by DES regarding independent third-party certification (<i>Guideline – Bore Assessments (ESR/2016/2005)</i>) <input type="checkbox"/> Bore Assessment must be completed by an independent third party or be certified by an independent third party. 	<ul style="list-style-type: none"> <input type="checkbox"/> Obtain certification from a qualified independent third-party who: <ul style="list-style-type: none"> ○ Is not an employee ○ Does not have a conflict of interest ○ Has a degree in a relevant science or engineering discipline ○ Has a minimum of five years experience in at least one of the following fields: <ul style="list-style-type: none"> ▪ groundwater level monitoring programs ▪ groundwater quality sampling programs ▪ groundwater hydrogeology and/or engineering ▪ have a practical knowledge of water bore construction and infrastructure <input type="checkbox"/> If certified by an independent third party, the certification must include a statement that: <ul style="list-style-type: none"> ○ quality assurance and quality control procedures are being implemented ○ the Bore Assessment is compliant with the guideline ○ verifies the minimum qualifications, training and experience of all persons who conducted the Bore Assessment 	<p>NA</p>

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	RESPONSIBLE TENURE HOLDER (RTH) <i>The responsible gas company</i>	BORE OWNER (Owner)
Other information collected by the RTH		
<input type="checkbox"/> Comply with the Bore Assessment Guidelines published by DES (<i>Guideline – Bore Assessments (ESR/2016/2005)</i>)	<input type="checkbox"/> Comply with the Bore Assessment Guidelines published by DES (<i>Guideline – Bore Assessments (ESR/2016/2005)</i>) <input type="checkbox"/> Confirm the information provided and conduct other tests to establish the current condition of the bore <input type="checkbox"/> Take photos of the bore <input type="checkbox"/> Compare the Information collected during the field assessment to the relevant Baseline Assessment (if previously undertaken), UWIR and historical water level and water quality data to determine whether the bore has an impaired capacity or is likely to have an impaired capacity <input type="checkbox"/> If the bore has or is likely to have an impaired capacity, determine whether the impairment is due to (or significantly contributed to) the activities of the RTH	NA

The RTH will provide a report to the Owner describing the outcome of a Bore Assessment within 30 business days of having received the sampling results from the laboratory.

It is important to understand the information in the report, discuss the outcome of the assessment and address any concerns. The outcome of the assessment will be documented as part of the Make Good Agreement.

Expected date for bore assessment outcome report to be provided: _____

PART C: HAS THE CAPACITY OF THE BORE BEEN (OR WILL IT BECOME) IMPAIRED?

If the bore has no capacity to produce water (not the result of resource activities) and is not a health or safety risk (due to the presence of free gas), **no Make Good Measures are required**. All water bores that have undergone a bore assessment require a Make Good Agreement, even if they are not eligible for Make Good Measures. Make Good Measures are only required if a bore has or is likely to have impaired capacity.

Use the **GasFields Commission Make Good Decision Table** to identify the appropriate Make Good Agreement to use based on the outcome of the Bore Assessment. These templates have provision for special conditions should they be required.

What if the RTH and the Owner do not agree on the outcome of the Bore Assessment?

If the RTH and Owner do not agree on the Bore Assessment outcome or the proposed terms of the Make Good Agreement, either party can contact DNRME's MERECU (Minerals and Energy Resources Engagement and Compliance Unit) for assistance:

Phone: 13 71 07

Email: resources.info@dnrme.qld.gov.au