

Model conditions

Allocation of quarry materials



Version history

Version	Date	Description of changes
1.00	03/09/2015	Original version.
1.01	04/08/2016	Updated corporate style and added publication number ESR/2015/1600
1.02	21/11/2016	Replace “spoil” with “dredged material” to be consistent with other related documents.
1.02	30/05/2017	Connect condition business keys added to Policy Register document only - conditions may have been varied slightly in Connect
1.03	03/07/2017	Updated reference from Sustainable Planning Act 2009 to Planning Act 2016.
1.04	01/09/2017	Updated Coastal Protection and Management Regulation 2003 to Coastal Protection and Management Regulation 2017.
1.05	25/06/2018	Document rebranded to align with machinery of government changes.
1.06	08/10/2019	Updated for the commencement of Environmental Protection Regulation 2019
1.07	04/07/2023	Departmental template updated; references to Connect conditions numbers removed.
1.08	22/02/2024	Document rebranded to align with machinery of government changes.

Prepared by: Regional and Regulation Support, Department of Environment, Science and Innovation

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The Department of Environment, Science and Innovation acknowledges Aboriginal peoples and Torres Strait Islander peoples as the Traditional Owners and custodians of the land. We recognise their connection to land, sea and community, and pay our respects to Elders past and present.

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Summary

This document provides advice to potential holders of an allocation of quarry material under the *Coastal Protection and Management Act 1995* on the model conditions that will be applied to their **Allocation Notice**. It also incorporates a guideline on the intent behind each model condition and some details on how to comply with the condition. The model conditions should provide consistency and clarity both for assessment officers and for customers. While site-specific conditions may still apply, where possible model conditions will be used as set down in this document.

Key terms and/or phrases used in this document are defined in the Definitions section and are in bold font throughout this document.

1 Introduction

The *Coastal Protection and Management Act 1995* (CP&M Act) provides for the granting of an allocation of **quarry material** in **tidal water**. In giving an allocation of **quarry material** under the CP&M Act, the **chief executive** must address the criteria for deciding applications that are set out in the CP&M Act and requirements relating to fees and royalties set out in the Coastal Protection and Management Regulation 2017. The allocation of **quarry material** is a resource allocation 'step' in licensing extractive and dredging activities in **tidal water**. The emphasis of the allocation assessment is ensuring the sustainability of the resource and considering the environmental, social and economic implications of its removal and disposal, which is reflected in the model conditions.

These model conditions provide the basis for conditioning allocations of **quarry materials** and should generally be followed unless there are specific environmental values and an evidence base that justifies a variation of the conditions. In this case, individual conditions may be amended and site specific conditions may be added.

When applying for an allocation of **quarry material**, **you** can use model conditions to predict the conditions that will be imposed on your **Allocation Notice** and also tailor the information that is provided by you in your application.

For each condition you will find guidance on the 'intent' and 'how to comply' in Section 5. This section provides basic information on the reasons for inclusion of a condition and what compliance may or may not look like. You must ensure that the **measures** implemented are appropriate to manage the particular requirement set out within each condition of your approval.

The **chief executive** may amend the conditions in this guideline to ensure they are current and appropriate but this will not alter the conditions of an existing (current) **Allocation Notice**.

2 How to use this guideline

2.1 New allocations

These model conditions provide a framework of conditions that will be applicable to all new allocations of **quarry material** where an application is made.

As the model conditions are a framework only, additional conditions can be applied at the discretion of the **chief executive** to address issues that are specific to a particular proposal or particular site e.g. site-specific habitat or fauna protection conditions. Also, if a particular model condition does not apply to a proposal, then it will not form part of the conditions placed on the **Allocation Notice** e.g. conditions about surveys are unlikely to be imposed on a one-off application for construction or maintenance purposes.

2.2 Amendments

An existing **Allocation Notice** (including existing conditions) may be amended with the agreement of the **Allocation Holder**, or if the **chief executive** is satisfied or reasonably believes the amendment is necessary or desirable for coastal management. This is an opportunity for the **chief executive** to impose model conditions if existing conditions do not achieve desired coastal management outcomes. Otherwise, it is not intended that current **Allocation Notices** will be amended to have these model conditions.

2.3 Transfers

The model conditions should not be imposed upon a transfer, unless at the request of the transferee.

2.4 Renewals

Model conditions will be applied to renewals of allocations of **quarry material** in **tidal water**.

2.5 References to other documents

References in this document to laws, regulations, standards, policies, programs, guidelines and similar documents and instruments are to the current version of those documents and instruments, as amended or replaced from time to time.

3 Obligations under the Coastal Protection & Management Act 1995

At all times you must meet your obligations under the CP&M Act. This section sets out some of the offences that you should be aware of if you intend to **remove quarry material** from **tidal water**. If you commit one of these offences, you could be fined, prosecuted, or required by the **chief executive** to take some action. This is not an exhaustive list of all of the possible offences under the legislation.

If you do commit an offence while carrying out your **dredging operation**, the **chief executive** will take enforcement action in accordance with its enforcement guidelines (available at: <https://environment.des.qld.gov.au/management/pdf/enforcement-guidelines.pdf>).

3.1 Removing quarry material without an Allocation Notice

Under section 101 (1) of the CP&M Act, you must hold a current and valid **Allocation Notice** before you **remove** any quantity of **quarry material** from **tidal water**, unless you have a reasonable excuse. Penalties for removing **quarry material** without an **Allocation Notice** are detailed in this section of the CP&M Act.

3.2 Contravention of a condition on an Allocation Notice

Under section 101 (2) of the CP&M Act, it is a requirement that you comply with the conditions on your **Allocation Notice** unless you have a reasonable excuse. You must also ensure that anyone operating under the **Allocation Notice** also complies with the conditions. This includes contractors or transport operators visiting the site temporarily and all staff employed at the site.

If you think that you have contravened a condition of your **Allocation Notice**, it is your responsibility to correct the problem and bring yourself back into compliance with the condition. Penalties for a breach of a condition of an **Allocation Notice** are detailed in the CP&M Act.

You may require other permits under the CP&M Act and also under other legislation, depending on the scale and nature of the proposed works. Information on environmental licenses and permits can be found on the Queensland Government Business and Industry Portal (<https://www.business.qld.gov.au/>).

4 Model conditions

4.1 Generic model conditions

GENERAL	
G1	All reasonable and practicable measures must be taken to prevent or minimise environmental impacts caused by the removal of the quarry material and handling, placement, or rehandling , of the dredged material .
G2	All records must be kept for the duration of the Allocation Notice and at least five years from when the current Allocation Notice expires and must be provided to the chief executive or nominated delegate within the required timeframe and in the specified format upon request.
G3	The chief executive must be notified in writing as soon as practicable after becoming aware of any records that have been stolen, lost, destroyed or damaged.
G4	All personnel operating under this Allocation Notice must be made aware of the content and conditions of the notice; and at all times must: <ol style="list-style-type: none"> 1. comply with the content and conditions of the Allocation Notice; and 2. have access to a copy of the Allocation Notice in either digital or hard copy format.

SITE LIMITS AND MANAGEMENT	
L1	The dredging operation must be conducted in accordance with the following limitations: <ol style="list-style-type: none"> 1. <REFER to the volume per unit time as set out in relevant Details table¹ (eg. Table 4)> 2. <REFER to the Allocation Area as set out in relevant Details table (eg. Table 3)>.

MEASURING QUARRY MATERIAL	
M1	Commencing <INSERT time period e.g. one month> after the <INSERT trigger e.g. commencement of quarry material removal ; end of a quarter; each calendar year, the Allocation Holder must submit to the chief executive : <ol style="list-style-type: none"> 1. A <INSERT time period e.g. monthly; quarterly; annual> return of the volume of quarry material removed from the Allocation Area, even if no material has been extracted during that period. The volume of quarry material removed from the Allocation Area must be measured in cubic metres (m³) using an approved verifiable methodology <INSERT relevant methodology >; and 2. Payment of the royalty stated in Table <INSERT Table number e.g. Table 4> per cubic metre (m³) of

¹ Details tables are located at the front of the final **Allocation Notice**

	<p>quarry material removed.</p> <p>The return is due within 20 business days after the end of each <INSERT time period e.g. month; quarter; calendar year>.</p>
M2	A daily record must be kept of when dredging is occurring at the Allocation Area .

4.2 Additional model conditions—allocation for commercial purpose > 500m³ per annum

These conditions are to be used where **quarry material** is being **removed** for a **commercial purpose** and volumes exceed 500 cubic metres (m³) per annum.

SURVEY																												
E1	<p>A survey of the Allocation Area must be:</p> <ul style="list-style-type: none"> • carried out by an appropriately qualified person to identify the quantity of available quarry material within the Allocation Area and make comparison to the quantity of available quarry material in previous surveys; • carried out<INSERT timing e.g. annually from the anniversary of the Allocation Notice; three months prior to the expiry of the Allocation Notice> and supplied to the chief executive within three (3) months of that date; • carried out in accordance with <INSERT the appropriate Allocation Area location> survey extent from Table 5 and the associated survey requirements; and • compliant with the minimum requirements in Table 5. <p>Table 5—Minimum survey requirements</p> <table border="1" style="margin-left: 20px;"> <thead> <tr> <th rowspan="2" style="background-color: #d3d3d3;">Survey extent</th> <th colspan="3" style="background-color: #d3d3d3;">Allocation Area Location</th> </tr> <tr> <th>Riverine</th> <th>Nearshore/Beach</th> <th>Offshore/Bay*</th> </tr> </thead> <tbody> <tr> <td>Cross-section spacings (m)</td> <td>25</td> <td>25</td> <td>25</td> </tr> <tr> <td>Cross-section scale (horizontal)</td> <td>1:2000</td> <td>1:2000</td> <td>1:10,000</td> </tr> <tr> <td>Cross-section scale (vertical)</td> <td>1:200</td> <td>1:200</td> <td>1:1000</td> </tr> <tr> <td>Up-current extent (m)</td> <td><INSERT distance></td> <td><INSERT distance></td> <td>N/A</td> </tr> <tr> <td>Down-current extent (m)</td> <td><INSERT distance></td> <td><INSERT distance></td> <td>N/A</td> </tr> </tbody> </table> <p>*site specific requirements may need to be negotiated</p>	Survey extent	Allocation Area Location			Riverine	Nearshore/Beach	Offshore/Bay*	Cross-section spacings (m)	25	25	25	Cross-section scale (horizontal)	1:2000	1:2000	1:10,000	Cross-section scale (vertical)	1:200	1:200	1:1000	Up-current extent (m)	<INSERT distance>	<INSERT distance>	N/A	Down-current extent (m)	<INSERT distance>	<INSERT distance>	N/A
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	<p>Associated survey requirements</p> <p><INSERT the following as relevant></p> <ol style="list-style-type: none"> 1. The locations of the cross-sections are identifiable and repeatable in subsequent surveys; 2. <INSERT if the Allocation Area is in a river > Each cross-section must extend from bank to bank across to the Allocation Area to a level of <INSERT value e.g. for a tidal plane; Australian Height Datum (AHD) etc.>; 3. Levels should be taken at 10 m intervals and at every change in gradient so as to accurately define the profile of the bed and banks along the cross-section survey line; 4. The datum for levels is AHD; 5. The survey data and Allocation Area extents should be supplied in a GIS compatible format, referenced to Geocentric Datum of Australia (GDA) 2020. 6. The survey data and plans must: <ul style="list-style-type: none"> • clearly identify the position and levels of highest astronomical tide (HAT), lowest astronomical tide (LAT), mean high water (MHWS) and mean low water springs (MLWS), mean high water (MHWN) and mean low water neaps (MLWN); and mean sea level (MSL); and • show the horizontal and vertical limits of the Allocation Area; and • show the bed profile of all previous surveys; and • clearly identify the quantity of available quarry material in the Allocation Area above the maximum level of extraction <INSERT level m> below existing bed level and make a comparison of available quarry material to previous surveys; and • quantify the volume (in m³) of dredged material held in stockpiles. 7. The survey data and plans shall be provided to the chief executive at the time of renewal application and cancellation, surrender or expiry of the Allocation Notice.
E2	<p>At the request of the chief executive, a survey must be carried out and submitted within a reasonable timeframe set by the chief executive, in potentially affected areas of the Allocation Area as per E1, following a flood event.</p>

4.3 Additional model conditions—allocation <500m³ per annum

These conditions are used to manage potential impacts from operational activities, where the volume of **quarry material** being **removed** is the approximate equivalent of less than 1000 tonnes per annum.

In this case, there is no associated environmental authority triggered under the *Environmental Protection Act 1994*.

PROCEDURES AND IMPACTS	
C1	Dredging operations must be undertaken in accordance with measures that ensure plant and equipment are maintained and operated in a proper and effective manner.
C2	All plant and equipment associated with the dredging operation must be removed from the Allocation Area upon expiry or cancellation of the Allocation Notice or as directed by the chief executive .
C3	Where the removal of quarry material exposes acid sulfate soils to the atmosphere or waters , the soil must be treated and/or managed in accordance with the latest edition of the <i>Queensland Acid</i>

	<i>Sulfate Soil Technical Manual.</i>
C4	Any waste dredged material , is lawfully reused, recycled or taken to an approved disposal facility that can accept the material.

5 Guidelines

This section provides background to the intent of each of the model conditions and guidance on how to comply with the condition. You may find this information helpful in managing your **dredging operation** to ensure that you remain in compliance with your approval conditions. However, this additional information will **not** form part of your final approval conditions and is provided in this document as guidance only.

5.1 Generic model conditions

GENERAL	
G1	<p>All reasonable and practicable measures must be taken to prevent or minimise environmental impacts caused by the removal of the quarry material and handling, placement, or rehandling of the dredged material.</p>
	<p>Intent</p> <p>This condition is considered necessary and desirable for all quarry material removal. It is intended to ensure that all operational and management actions are done in a way that identifies and prevents or minimises impacts to the environment.</p> <p>This includes: the potential for damage and disturbance to adjacent landforms, habitat, biota and marine infrastructure; erosion from unstable batters; and the release of contaminants during transport, handling, storage or rehandling of dredged material.</p>
	<p>How to comply</p> <p>You must implement measures to ensure that all components of the dredging operation are conducted in a way that minimises risk of impacts to the environment.</p> <p>Procedural measures should include written procedures designed to:</p> <ul style="list-style-type: none"> • identify and monitor potential hazards and environmental impacts associated with the activity; and • identify appropriate management actions to address these; and • set out a process for reviewing environmental performance. <p>It is recommended that an environmental risk assessment be conducted for the Allocation Area and adjacent to the site, prior to commencement of the quarry material removal e.g. identify seagrass or coral ecosystems adjacent to the site and consider the effects of currents, timing and duration of dredging operations in developing actions and protocols to manage the impact risk on these ecosystems.</p> <p>In this process, consideration should also be given to the goals and objectives for waters set out in the Environmental Protection (Water and Wetland Biodiversity) Policy 2019 as well as any relevant goals and objective set out for air in the Environmental Protection (Air) Policy 2019 and noise in the Environmental Protection (Noise) Policy 2019.</p> <p>Environmental performance should be reviewed and documented at least annually, however the frequency of review will be dependent on the risk of the activity. For example, if the activity has the potential to cause smothering of biota downstream, the measures could be reviewed every three months to ensure they are adequate.</p> <p>For further guidance on conducting a risk assessment refer to the Standards Australia Handbook 89-2013 Risk management—guidelines on risk assessment techniques.</p> <p>Written procedures are also likely to include Standard Operating Procedures, relevant state, national and international guidelines and standards and departmental policies. They may also include other site-specific supporting documents such as a Dredge Management Plan or other environmental management and monitoring plans.</p>

	<p>In your written procedures for the dredging operation you will need to:</p> <ul style="list-style-type: none"> • identify access pathways for equipment, materials and personnel that will not undermine, erode or destabilise banks and foreshores adjacent to the Allocation Area or cause unauthorised damage or disturbance to instream habitats or riparian vegetation. Use should be made of existing access infrastructure to the site such as roads, tracks, boat ramps or navigation channels; and • set out procedures to ensure there are no undue levels of wash from vessels travelling to and from the Allocation Area, particularly where this has the potential to undermine, erode or destabilise banks and foreshores. Vessels used in the operation should be of a design and operated to minimise bow wave and boat-wake associated impacts to banks; and • identify infrastructure such as bridges, road or pipeline crossings within or in close proximity to the Allocation Area, including any ground tackle attached to the aid or structure. The operator should avoid removing material adjacent to those structures unless authorised to do so by Maritime Safety Queensland or the Gold Coast Waterways Authority; and • set out procedures to ensure that any areas disturbed by any cause attributable to the dredging operation will be left with a stable profile that minimises increases in erosion rates. The final form of batters within the Allocation Area should consider the variable nature of physical characteristics of the bed material and surrounding environment conditions across the Area. <p>You should report any notable disturbance to bank integrity, instream habitat and riparian vegetation or infrastructure that is or is not a result of the dredging operation to the Department within 24 hours of becoming aware of it. Notification can be made to the Pollution Hotline by email at pollutionhotline@des.qld.gov.au.</p> <p>Physical measures may include:</p> <ul style="list-style-type: none"> • properly functioning equipment, plant and machinery appropriate for the Allocation Area; • containment systems; • ecosystem and bathymetric monitoring. <p>Contaminants must not be released to any waters during the transport, handling, storage or disposal of dredged material. The inappropriate stockpiling of quarry material and dredged material instream and on riverbanks can impact on river flows and result in leaching of contaminants into waterways and should be avoided. Storage facilities for stockpiling dredged material must be sufficient in size and suitably bunded and constructed to ensure that there is no potential for, or actual, contamination of waters (including groundwaters) from the material.</p> <p>Other Acts that may be relevant to potential environmental impacts from your dredging operation include the <i>Fisheries Act 1994</i>, the <i>Marine Parks Act 2004</i> the <i>Nature Conservation Act 1992</i> and the <i>Vegetation Management Act 1999</i>.</p>
G2	<p>All records must be kept for the duration of the Allocation Notice and at least five years from when the current Allocation Notice expires and must be provided to the chief executive or nominated delegate within the required timeframe and in the specified format upon request.</p> <hr/> <p>Intent</p> <p>This condition will ensure that all documentation held by you in relation to the allocation is available if required by the chief executive. This is necessary to identify or resolve any environmental issues that may arise as a result of the dredging operation in a timely manner and to demonstrate that conditions of the Allocation Notice have been met.</p> <hr/> <p>How to comply</p> <p>All records required by the conditions of this Allocation Notice must be kept for at least five years from the expiry of the current Notice. This includes:</p>

	<ul style="list-style-type: none"> • documentation for measures including written procedures; • reporting on measures; • survey results required under a condition of this Allocation Notice; • daily activity logs and monthly extraction returns; • royalty payment records; • records of maintenance actions; • records of disposal arrangements; • outcomes of risk assessments for potential acid sulfate material; • documentation of the removal of plant, equipment and measures from the Allocation Area upon completion of the dredging operation; • any other necessary information you keep to comply with, and to demonstrate compliance with, the conditions of this Notice. <p>The chief executive can require these records to be provided within a given timeframe upon request.</p>
G3	<p>The chief executive must be notified in writing as soon as practicable after becoming aware of any records that have been stolen, lost, destroyed or damaged.</p> <p>Intent</p> <p>Allocation Holders who are unable to provide records on request would be unable to demonstrate compliance and therefore considered in breach of the conditions of their Allocation Notice. It is therefore imperative that any loss or damage to information and records is promptly reported by you to avoid compliance action by the chief executive.</p> <p>How to comply</p> <p>Notification should be provided in writing to the chief executive as soon as possible and preferably within 24 hours of becoming aware that records are missing. Notification can be made to the Pollution Hotline by email at pollutionhotline@des.qld.gov.au.</p> <p>Valid reasons for delay in notification beyond 24 hours would include records lost in association with a natural disaster or emergency situation. Notification should then be provided as soon as circumstances allow.</p>
G4	<p>All personnel operating under this Allocation Notice must be made aware of the content and conditions of the notice; and at all times must:</p> <ol style="list-style-type: none"> 1. comply with the content and conditions of the Allocation Notice; and 2. have access to a copy of the Allocation Notice in either digital or hard copy format <p>Intent</p> <p>The conditions for the Allocation Notice apply to all personnel involved in the dredging operation and the conditions are implemented by personnel when they are operating under the Allocation Notice.</p> <p>How to comply</p> <p>You are responsible for ensuring:</p> <ul style="list-style-type: none"> • any personnel involved in the dredging operation are made aware of the content and conditions of the Allocation Notice, before they commence operations under the Allocation Notice e.g. through induction training; and • any personnel involved in the dredging operation are made aware of the necessity to abide by those conditions; and • the conditions are available to those personnel at all times during their involvement in the dredging

	operation in either digital or hard copy format.
SITE LIMITS	
L1	The dredging operation must be conducted in accordance with the following limitations: <ul style="list-style-type: none"> • <REFER to the volume per unit time as set out in relevant Details table (e.g. Table 4)> • <REFER to the Allocation Area as set out in relevant Details table (e.g. Table 3)>.
	<p>Intent</p> <p>This condition requires that only the allocated volume of material is extracted in any given period and that it is only taken from within the Allocated Area. This constraint ensures that the quarry material removal is sustainable from that site. It also manages the impacts on any adjacent ecosystems, structures or features by setting out the site constraints for the dredging operation.</p>
	<p>How to comply</p> <p>You must not remove a greater volume of quarry material in the time period than that prescribed in the condition and the relevant Details table on the Notice. The tables are located at the front of the Allocation Notice.</p> <p>You must not conduct the activity outside the Allocation Area set out in this Allocation Notice as detailed in the relevant Details table on the Notice</p>
MEASURING QUARRY MATERIAL	
M1	Commencing <INSERT time period e.g. one month> after the <INSERT trigger e.g. commencement of quarry material removal ; end of a quarter; each calendar year, the Allocation Holder must submit to the chief executive : <ol style="list-style-type: none"> 1. a <INSERT time period e.g. monthly; quarterly; annual> return of the volume of quarry material removed from the Allocation Area, even if no material has been extracted during that period. The volume of quarry material removed from the Allocation Area must be measured in cubic metres (m³) using an approved verifiable methodology <INSERT relevant methodology >; and 2. payment of the royalty stated in Table <INSERT Table number e.g. Table 4> per cubic metre (m³) of quarry material removed. <p>The return is due within 20 business days after the end of each <INSERT time period e.g. month; quarter; calendar year>.</p>
	<p>Intent</p> <p>Quarry material in state coastal land under tidal water is owned by the State. The CP&M Act allows for a royalty to be charged by the State for access to this resource, either at the rate prescribed under a regulation or at the price set for the sale. This condition enables the chief executive to track the rate and volume of quarry material removal and to collect the associated royalty on a periodic basis.</p> <p>Where the royalty is waived, the return may only be required at the completion of the extraction activities.</p>
	<p>How to comply</p> <p>You should provide the return on the approved form (available at at www.qld.gov.au using the</p>

	<p>publication number ESR/2015/1601 as a search term) and submit the form electronically. The form should be completed by the relevant person within the organisation who holds the role of chief financial officer, company accountant or similar. For monthly returns the form should be completed and submitted with a nil extraction value for the preceding month (i.e. the month that is the subject of the return), if that is the case.</p> <p>The methodology for measuring the volume of quarry material removed is assessed in the application stage of the Allocation Notice and will be set out in this condition. Some examples of acceptable verifiable methodologies include:</p> <ul style="list-style-type: none"> • counts of grabs of a known volume; • counts of truck movements from the Allocation Area, where the truck capacity is known; • known rate of slurry pumping, where the relative volumes of water and solids are quantified. <p>You should adopt conversion rates relevant to and proportional to the bulk density of the quarry material extracted. Where you record the weight of quarry material removed and convert those weights into volumes, the conversion rate should be based on verifiable densities of a representative sample set of the material.</p> <p>On the payment date you must pay to the Department, the amount calculated using the following formula: $A = B \times C$</p> <p>Where:</p> <p style="padding-left: 40px;">A = amount payable by you;</p> <p style="padding-left: 40px;">B = the royalty; and</p> <p style="padding-left: 40px;">C = the amount of quarry material in cubic metres (m³) removed from the Allocation Area in the preceding reporting period.</p> <p>The royalty is an indexed amount and it may change over the life of the Allocation Notice. It is the responsibility of the Allocation Holder (i.e. you) to ensure that the royalty amount you use is current. You can check this on the Department's Fees and services webpage at: https://www.des.qld.gov.au/our-department/fees-services?category_id=146. Where the price is a set price for the site, contact the Department at the commencement of each new financial year.</p> <p>Note: interest may be charged on any late payment by you at the rate which is the interest rate equal to the Commonwealth Bank of Australia monthly overdraft index rate, as at the date the payment became due and payable.</p> <p>Failure to comply with this condition may result in cancellation of this permit.</p>
M2	<p>A daily record must be kept of when dredging is occurring at the Allocation Area.</p> <hr/> <p>Intent</p> <p>The records generated by this condition will enable comparison with periodic returns for compliance monitoring by the Department.</p> <hr/> <p>How to comply</p> <p>Records are kept of the days and the dates that dredging takes place at the Allocation Area, under this Allocation Notice. The records must be provided to the chief executive within the required timeframe, upon receipt of a request.</p>

5.2 Additional model conditions—allocation for commercial purpose >500m³ per annum

These conditions are used where **quarry material** is being **removed** for a **commercial purpose** and volumes exceed 500 cubic metres (m³) per annum. E2 is only relevant for **Allocation Areas** in rivers or creeks.

SURVEY																												
E1	<p>A survey of the Allocation Area must be:</p> <ul style="list-style-type: none"> carried out by an appropriately qualified person to identify the quantity of available quarry material within the Allocation Area and make comparison to the quantity of available quarry material in previous surveys; carried out<INSERT timing e.g. annually from the anniversary of the Allocation Notice; three months prior to the expiry of the Allocation Notice> and supplied to the chief executive within three (3) months of that date; carried out in accordance with <INSERT the appropriate Allocation Area location> survey extent from Table 5 and the associated survey requirements; and compliant with the minimum requirements in Table 5. <p>Table 5—Minimum survey requirements</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr style="background-color: #d3d3d3;"> <th rowspan="2" style="text-align: left; padding: 5px;">Survey extent</th> <th colspan="3" style="text-align: center; padding: 5px;">Allocation Area Location</th> </tr> <tr style="background-color: #d3d3d3;"> <th style="text-align: center; padding: 5px;">Riverine</th> <th style="text-align: center; padding: 5px;">Nearshore/Beach</th> <th style="text-align: center; padding: 5px;">Offshore/Bay*</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">Cross-section spacings (m)</td> <td style="text-align: center; padding: 5px;">25</td> <td style="text-align: center; padding: 5px;">25</td> <td style="text-align: center; padding: 5px;">25</td> </tr> <tr> <td style="padding: 5px;">Cross-section scale (horizontal)</td> <td style="text-align: center; padding: 5px;">1:2000</td> <td style="text-align: center; padding: 5px;">1:2000</td> <td style="text-align: center; padding: 5px;">1:10,000</td> </tr> <tr> <td style="padding: 5px;">Cross-section scale (vertical)</td> <td style="text-align: center; padding: 5px;">1:200</td> <td style="text-align: center; padding: 5px;">1:200</td> <td style="text-align: center; padding: 5px;">1:1000</td> </tr> <tr> <td style="padding: 5px;">Up-current extent (m)</td> <td style="text-align: center; padding: 5px;"><INSERT distance></td> <td style="text-align: center; padding: 5px;"><INSERT distance></td> <td style="text-align: center; padding: 5px;">N/A</td> </tr> <tr> <td style="padding: 5px;">Down-current extent (m)</td> <td style="text-align: center; padding: 5px;"><INSERT distance></td> <td style="text-align: center; padding: 5px;"><INSERT distance></td> <td style="text-align: center; padding: 5px;">N/A</td> </tr> </tbody> </table> <p style="margin-left: 20px;">*site specific requirements may need to be negotiated</p> <p>Associated survey requirements</p> <p><INSERT the following as relevant></p> <ol style="list-style-type: none"> 1. The locations of the cross-sections are identifiable and repeatable in subsequent surveys; 2. <INSERT if the Allocation Area is in a river > Each cross-section must extend from bank to bank across to the Allocation Area to a level of <INSERT value e.g. for a tidal plane; AHD etc.>; 3. Levels should be taken at 10 m intervals and at every change in gradient so as to accurately define the profile of the bed and banks along the cross-section survey line; 4. The datum for levels is AHD; 5. The survey data and Allocation Area extents should be supplied in a GIS compatible format, referenced to GDA 2020; and 6. The survey plans must: 	Survey extent	Allocation Area Location			Riverine	Nearshore/Beach	Offshore/Bay*	Cross-section spacings (m)	25	25	25	Cross-section scale (horizontal)	1:2000	1:2000	1:10,000	Cross-section scale (vertical)	1:200	1:200	1:1000	Up-current extent (m)	<INSERT distance>	<INSERT distance>	N/A	Down-current extent (m)	<INSERT distance>	<INSERT distance>	N/A
Survey extent	Allocation Area Location																											
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Cross-section scale (vertical)	1:200	1:200	1:1000																									
Up-current extent (m)	<INSERT distance>	<INSERT distance>	N/A																									
Down-current extent (m)	<INSERT distance>	<INSERT distance>	N/A																									

	<ul style="list-style-type: none"> • clearly identify the position and levels of highest astronomical tide (HAT), lowest astronomical tide (LAT), mean high water (MHWS) and mean low water springs (MLWS), mean high water (MHWN) and mean low water neaps (MLWN), and mean sea level (MSL); and • show the horizontal and vertical limits of the Allocation Area; • show the bed profile of all previous surveys; • clearly identify the quantity of available quarry material in the Allocation Area above the maximum level of extraction <INSERT level m> below existing bed level and make a comparison of available quarry material to previous surveys; and • quantify the volume (in m³) of dredged material held in stockpiles. <p>7. The survey data and plans shall be provided to the chief executive at the time of renewal application and cancellation, surrender or expiry of the Allocation Notice.</p>
	<p>Intent</p> <p>The survey will provide data to the Department to help assess the sustainability of the allocation and dredging operation. This data will be of particular assistance in assessing applications to renew an allocation.</p>
	<p>How to comply</p> <p>The survey should be carried out by a registered surveyor. The survey will include the relevant requirements listed in the condition, at the appropriate survey scale for the location type, identified in Table 5. These are minimum requirements and may be varied where you propose to survey at an equivalent scale e.g. as per Class A survey under Maritime Safety Queensland's Standards for Hydrographic Surveys within Queensland Waters.</p> <p>The survey distances up-current and down-current will depend on the site characteristics and the scale of the allocation.</p> <p>Refer to the Queensland Tide Tables (http://www.msq.qld.gov.au/Tides/Tide-tables.aspx) produced by Maritime Safety Queensland for instructions and guidance on calculating the tidal plane levels referred to in E1.</p> <p>Survey data should be supplied at a minimum in a CSV format text file.</p>
E2	<p>At the request of the chief executive, a survey must be carried out and submitted within a reasonable timeframe set by the chief executive, in potentially affected areas of the Allocation Area as per E1, following a flood event.</p>
	<p>Intent</p> <p>Redistribution of sediments in rivers and at the mouths of rivers following flood flows can include Allocation Areas where quarry material may be deposited or eroded. Assumptions about deposition or 'recharge' may be part of the initial assessment for the sustainable volume of an allocation.</p> <p>A post-flow survey will confirm the volume of available quarry material within the Allocation Area and ensure that extraction levels determined through the initial assessment process remain sustainable.</p> <p>This requirement is discretionary. In rivers it is only likely to be required following a moderate or major flood event, as defined by the Bureau of Meteorology flood classification listings for the closest river height station to the Allocation Area.</p>
	<p>How to comply</p> <p>The results of the survey should be mapped and drawn to the appropriate scale for the site (i.e. as</p>

	per Table 5). The survey would incorporate the relevant survey requirements as set out in the condition E1. Survey output will need to be submitted to the chief executive as per condition E1.
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5.3 Additional model conditions—allocation <500m³ per annum

These conditions are used to manage impacts from operational activities, where the volume of **quarry material** being **removed** is the approximate equivalent of less than 1000 tonnes per annum. In this case, there is no associated environmental authority triggered under the *Environmental Protection Act 1994*.

PROCEDURES AND IMPACTS	
C1	<p>Dredging operations must be undertaken in accordance with measures that ensure plant and equipment are maintained and operated in a proper and effective manner.</p> <hr/> <p>Intent</p> <p>This condition is considered necessary to ensure dredging vessels and any associated equipment are maintained in proper working condition. Adherence to the relevant measures will assist in optimising their operation and minimise the risk of unplanned outcomes or impacts.</p> <hr/> <p>How to comply</p> <p>The dredging operations must be conducted in accordance with written procedures that:</p> <ul style="list-style-type: none"> • ensure all measures, including but not limited to plant and equipment, are maintained in a proper and effective condition; and • ensure all measures, including but not limited to plant and equipment, are operated in a proper and effective manner; and • ensure that personnel are trained in the proper operation of these and aware of the written procedures. <p>You should have written operational procedures that detail how and when to calibrate equipment to ensure they are regularly serviced and maintained. This includes all equipment such as vessels, dredges and monitoring equipment. Written operational procedures should form the basis for personnel training during activities such as induction programs, on the job mentoring and ‘toolbox talks’.</p>
C2	<p>All plant and equipment associated with the dredging operation must be removed from the Allocation Area upon expiry or cancellation the Allocation Notice or as directed by the chief executive.</p> <hr/> <p>Intent</p> <p>This condition ensures that all plant and equipment associated with the dredging operation is removed from the Allocation Area once the operation is completed or when directed to do so by the chief executive.</p> <hr/> <p>How to comply</p> <p>There should be written procedures that detail the steps for ensuring all equipment is removed from the Allocation Area at the end of the operation. These will need to be implemented upon completion of the quarry material removal, upon expiry of the Allocation Notice or as directed by the chief executive.</p>
	Where the removal of quarry material exposes acid sulfate soils to the atmosphere or waters , the soil

C3	<p>must be treated and/or managed in accordance with the latest edition of the Queensland Acid Sulfate Soil Technical Manual.</p>
	<p>Intent</p> <p>Acid sulfate soils are managed in accordance with current best practice methods to minimise the potential for environmental impacts or nuisance to occur.</p> <p>This condition is intended to be used for dredging operations where a risk of acid sulfate soil disturbance has been identified during the Allocation assessment process, but the level of disturbance poses a relatively low risk to the environment.</p> <p>For high-risk dredging operations e.g. involving ongoing exposure or strategic reburial of acid sulfate soils, a more detailed assessment will be required and site-specific conditions will apply.</p> <p>While this condition does require certain treatment to be adopted, it is not meant to restrict innovative approaches to acid sulfate soil management.</p> <p>Dredging operations that do not involve the disturbance of acid sulfate soils may not require this condition.</p>
	<p>How to comply</p> <p>The Queensland Acid Sulfate Soil Technical Manual sets out clear requirements that must be complied with if this condition is applied. The Queensland Acid Sulfate Soil Technical Manual also provides guidance on various aspects of managing acid sulfate soils which can be implemented to help reduce the potential for environmental impacts or nuisance to occur. Importantly, you must meet the verification requirements following the treatment of acid sulfate soils in order to comply with this condition.</p>
C4	<p>Any waste dredged material, is lawfully reused, recycled or taken to an approved disposal facility that can accept the material.</p>
	<p>Intent</p> <p>This condition promotes the option of reuse or recycling of waste dredged material where possible. It also ensures that the disposal of dredged material is undertaken in a way which is lawful and safe. Quarry material from tidal water may contain contaminants with the potential to cause significant environmental impacts if management or disposal of dredged material is not performed in accordance with appropriate measures.</p>
	<p>How to comply</p> <p>Appropriate reuse or recycling of waste dredged material e.g. for beach nourishment will depend on the nature of the dredged material and the receiving site.</p> <p>The choice of approved disposal facility should also take into account the nature of the dredged material (e.g. the presence and type of contaminants, acid sulfate soils, etc.), the volume of dredged material and the capability of that disposal facility to manage the dredged material.</p> <p>A key consideration is that there should be no release of contaminants to waters during all steps in the disposal process.</p> <p>Arrangements for lawful disposal of the waste dredged material should be made before dredging operations commence.</p> <p>Note: disposal of dredged material in tidal water within a coastal management district is deemed assessable development and will require a development approval under the <i>Planning Act 2016</i>.</p>

6 Definitions

Where a term is not defined, the definition in the CP&M Act or its regulation must be used. If a word remains undefined it has its ordinary meaning. Some of these definitions are from the CP&M Act.

Allocation Area means the area where removal of **quarry material** by **you** is permitted, the extent of which is set out in the **Allocation Notice**.

Allocation Holder means the holder(s) of the **Allocation Notice** whose details are set out in the Details tables at the front of the **Allocation Notice**.

Allocation Notice means the Notice issued under section 76 of the CP&M Act by the **chief executive** of the **Department** to provide details of the approved allocation of **quarry material** in **tidal water** and associated conditions.

Appropriately qualified person means a person who has professional qualifications, training, skills and experience relevant to hydrographic or bathymetric surveying and can give authoritative assessment, advice and analysis in relation to the survey results using relevant methods.

Approved disposal facility includes lawfully authorised: landfill; reclamation area; or other land-based disposal site.

Chief executive means the **chief executive** administering the CP&M Act, at the time of publication being the **chief executive** of the Department of Environment, Science and Innovation, and their delegates.

Commercial purpose means the **removal** of **quarry material** for no other purpose than the direct sale of the material or for the use of the material to reclaim land. It does not include removal of **quarry material** for community infrastructure, government support transport infrastructure, beach nourishment, or disposal as **dredged material**.

Contaminant has the same meaning as in the *Environmental Protection Act 1994* and includes prescribed water contaminants under schedule 10 of the Environmental Protection Regulation 2019.

Department means the Department of Environment, Science and Innovation or its successor or predecessors.

Dredged material means mud, sand, coral, shingle, gravel, clay, earth and other material removed by dredging. Dredged material includes dredge spoil and extracted quarry material.

Dredging operation includes all components of the activities necessary for the removal, transport, handling, **rehandling** and disposal of **quarry material** and **dredged material**.

Environmental impacts means impacts that the **removal** of the **quarry material**, including the proposed method of extraction, or the handling, placement, or **rehandling** of **dredged material** may have on:

- the physical and ecological integrity of the **Allocation Area** and surrounds;
- the environmental values and water quality objectives for the **waters**; and
- the management of fish habitats, marine parks and protected areas in and adjacent to the **Allocation Area**.

Flood event is as determined by the **chief executive**.

Measures has the broadest interpretation and includes:

- **Procedural measures** such as standard operating procedures for dredging operations, environmental risk assessments, management actions, Departmental directions and relevant guidelines
- **Physical measures** such as plant, equipment, physical objects (such as bunding, containment systems etc.), ecosystem monitoring and bathymetric surveys.

Personnel include plant operators, sub-contractors, staff and any other persons responsible for the implementation of, or operating under, the **Allocation Notice**.

Physical measures - see definition of **measures**

Procedural measures - see definition of **measures**

Quarry material has the same meaning as in the CP&M Act.

Records include: documentation of **measures**; reporting on **measures**; survey results required under a condition of this notice; daily extraction logs and periodic extraction returns; **royalty** payment records; written procedures; **records** of maintenance actions; **records** of disposal arrangements; outcomes of risk assessments; documentation of the **removal** of plant, equipment and **measures** from the **Allocation Area** upon completion of the operation.

Rehandling means to handle or relocate **dredged material** from a stockpile

Remove (removed, removal) means to:

- extract and collect **quarry material** from the **Allocation Area**; or
- take plant, equipment and **measures** that are associated with the **dredging operation**, out of the **Allocation Area**.

(**Remove** does not include the rehandling of **dredged material** or collection of quarry material as part of a geotechnical investigation associated with future tidal works or extraction)

Return means a written **return** completed in the approved form (available at www.qld.gov.au using the publication number ESR/2015/1601 as a search term) that details the quantity of **quarry material removed by you** for that period.

Royalty means the rate prescribed under a regulation or the price set for the sale that is payable for **quarry material removed** under an **Allocation Notice**

State coastal land has the same meaning as in section 17 of the CP&M Act

Tidal water has the same meaning as in the CP&M Act.

Waters means Queensland waters as defined in Schedule 1 of the *Acts Interpretation Act 1954*.