Permit

Environmental Protection Act 1994

Environmental authority EPPR01646013

This environmental authority is issued by the administering authority under Chapter 5 of the Environmental Protection Act 1994.

Environmental authority number: EPPR01646013

Environmental authority takes effect on 3 February 2025**.**

The anniversary date of this environmental authority is 23 October each year.

Environmental authority holder(s)

Name(s)	Registered address
M & G CRUSHING & MATERIALS PTY LTD	C/- BDO Level 10 12 Creek Street BRISBANE CITY QLD 4000

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
ERA 16 - Extraction and Screening - 3(a) - Screening, in a year, the following quantity of material - 5,000t to 100,000t	2/SP282807
ERA 16 - Extraction and Screening - 2(a) - Extracting, other than by dredging, in a year, the following quantity of material - 5,000t to 100,000t	2/SP282807
ERA 16 - Extraction and Screening - 2(a) - Extracting, other than by dredging, in a year, the following quantity of material - 5,000t to 100,000t	7/SP282807
ERA 16 - Extraction and Screening - 3(a) - Screening, in a year, the following quantity of material - 5,000t to 100,000t	7/SP282807
ERA 16 - Extraction and Screening - 3(a) - Screening, in a year, the following quantity of material - 5,000t to 100,000t	8/SP282807

ABN 46 640 294 485

Queensland Government

Environmentally relevant activity/activities	Location(s)
ERA 16 - Extraction and Screening - 2(a) - Extracting, other than by dredging, in a year, the following quantity of material - 5,000t to 100,000t	8/SP282807
ERA 16 - Extraction and Screening - 2(a) - Extracting, other than by dredging, in a year, the following quantity of material - 5,000t to 100,000t	9/SP282807
ERA 16 - Extraction and Screening - 3(a) - Screening, in a year, the following quantity of material - 5,000t to 100,000t	9/SP282807

Additional information for applicants

Environmentally relevant activities

The description of any environmentally relevant activity (ERA) for which an environmental authority (EA) is issued is a restatement of the ERA as defined by legislation at the time the EA is issued. Where there is any inconsistency between that description of an ERA and the conditions stated by an EA as to the scale, intensity or manner of carrying out an ERA, the conditions prevail to the extent of the inconsistency.

An EA authorises the carrying out of an ERA and does not authorise any environmental harm unless a condition stated by the EA specifically authorises environmental harm.

A person carrying out an ERA must also be a registered suitable operator under the *Environmental Protection Act 1994* (EP Act).

Mobile and temporary activities

If you operate a mobile and temporary environmentally relevant activity (ERA), other than regulated waste transport, you are required to maintain a work diary. You must:

- use the approved form for a work diary (ESR/2015/1696);
- keep the work diary records for 2 years after the last entry;
- inform the administering authority within 7 days of the work diary being lost or stolen;
- record the information required in the work diary for each location within 1 day of leaving the location.

Contaminated land

It is a requirement of the EP Act that an owner or occupier of contaminated land give written notice to the administering authority if they become aware of the following:

- the happening of an event involving a hazardous contaminant on the contaminated land (notice must be given within 24 hours); or
- a change in the condition of the contaminated land (notice must be given within 24 hours); or
- a notifiable activity (as defined in Schedule 3) having been carried out, or is being carried out, on the contaminated land (notice must be given within 20 business days)

that is causing, or is reasonably likely to cause, serious or material environmental harm.

For further information, including the form for giving written notice, refer to the Queensland Government website www.qld.gov.au, using the search term 'duty to notify'.

Take effect

Please note that, in accordance with section 200 of the EP Act, an EA has effect:

a) if the authority is for a prescribed ERA and it states that it takes effect on the day nominated by the holder of the authority in a written notice given to the administering authority - on the nominated day; or

b) if the authority states a day or an event for it to take effect-on the stated day or when the stated event happens; or

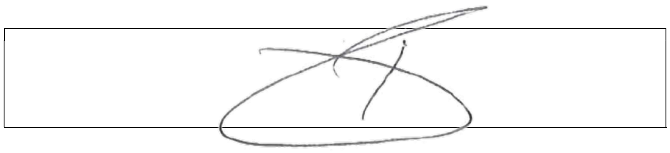
c) otherwise - on the day the authority is issued.

However, if the EA is authorising an activity that requires an additional authorisation (a relevant tenure for a resource activity, a development permit under the *Planning Act 2016* or an SDA Approval under the *State Development and Public Works Organisation Act 1971*), this EA will not take effect until the additional authorisation has taken effect.

If this EA takes effect when the additional authorisation takes effect, you must provide the administering authority written notice within 5 business days of receiving notification of the related additional authorisation taking effect.

The anniversary day of this environmental authority is the same day each year as the effective date. The payment of the annual fee will be due each year on this day.

If you have incorrectly claimed that an additional authorisation is not required, carrying out the ERA without the additional authorisation is not legal and could result in your prosecution for providing false or misleading information or operating without a valid environmental authority.



Signature

3 February 2025

Date

Tristan Roberts
Manager
Department of Environment, Science and Innovation
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
Energy and Extractive Resources Business Centre
GPO Box 2454, BRISBANE QLD 4001
Phone: (07) 3330 5715
Email: EnergyandExtractive@des.qld.gov.au

Obligations under the *Environmental Protection Act 1994*

In addition to the requirements found in the conditions of this environmental authority, the holder must also meet their obligations under the EP Act, and the regulations made under the EP Act. For example, the holder must comply with the following provisions of the Act:

- general environmental duty (section 319)
- duty to notify environmental harm (section 320-320G)
- offence of causing serious or material environmental harm (sections 437-439)
- offence of causing environmental nuisance (section 440)
- offence of depositing prescribed water contaminants in waters and related matters (section 440ZG)
- offence to place contaminant where environmental harm or nuisance may be caused (section 443)

Other permits required

This permit only provides an approval under the *Environmental Protection Act 1994*. In order to lawfully operate you may also require permits / approvals from your local government authority, other business units within the department and other State Government agencies prior to commencing any activity at the site. For example, this may include permits / approvals with your local Council (for planning approval), the Department of Transport and Main Roads (to access State controlled roads), the Department of Resources (to clear vegetation), and the Department of Agriculture and Fisheries (to clear marine plants or to obtain a quarry material allocation).

Obligations under the *Mining and Quarrying Safety and Health Act 1999*

If you are operating a quarry, other than a sand and gravel quarry where there is no crushing capability, you will be required to comply with the *Mining and Quarrying Safety and Health Act 1999*. For more information on your obligations under this legislation contact Mine Safety and Health at www.resources.qld.gov.au, or phone 13 QGOV (13 74 68) or your local Mines Inspectorate Office.

Development Approval

This permit is not a development approval under the *Planning Act 2016*. The conditions of this environmental authority are separate, and in addition to, any conditions that may be on the development approval. If a copy of this environmental authority is attached to a development approval, it is for information only, and may not be current. Please contact the Department of Environment and Science to ensure that you have the most current version of the environmental authority relating to this site.

Conditions of environmental authority

The environmentally relevant activities conducted at the locations as described below must be conducted in accordance with the following site specific conditions of approval.

Part Number	Applicable Location	Environmentally Relevant Activity
Part 1	**Gainsford Quarry** Gregory Developmental Road, BASALT QLD 4820 – Lots 2, 7, 8 and 9 on Plan SP282807	ERA 16(2a) Extractive and screening activities - extracting, other than by dredging, in a year, the following quantity of material— 5,000t to 100,000t. ERA 16(3a) Extractive and screening activities - screening, in a year, the following quantity of material— 5,000t to 100,000t.

Part 4 – Conditions relating to Gainsford Quarry

Agency interest: General	
Condition number	**Condition**
P4-G1	**Activities** under this environmental authority must be conducted in accordance with the following limitations: 1. The amount of material to be extracted must not exceed 100,000t per year; 2. The amount of material to be extracted must not exceed 100,000t per year; 3. Extraction must only be undertaken in the extraction area identified in *Appendix 1: Gainsford Quarry Site Plan*: all other activities must be undertaken in accordance with *Appendix 1 – Gainsford Quarry Site Plan*. 4. A minimum buffer of 200m is required between the extraction, operations and stockpiling activities and wetlands of **high ecological significance**; 5. The extraction area must not exceed 8 metres in depth; 6. The extraction area must not exceed 5 ha at any one time.
P4-G2	All reasonable and practicable **measures** must be taken to prevent or minimise environmental harm caused by the **activities**.
P4-G3	Any breach of a condition of this environmental authority must be reported to the **administering authority** as soon as practicable within 24 hours of becoming aware of the breach. Records must be kept including full details of the breach and any subsequent actions taken.
P4-G4	Other than as permitted by this environmental authority, the **release of a contaminant into the environment** must not occur.
P4-G5	Environmental monitoring results must be kept until surrender of this environmental authority. All other information and records that are required by the conditions of this environmental authority must be kept for a minimum of five (5) years. All information and records required by the conditions of this environmental authority must be provided to the **administering authority, or nominated delegate** upon request**,** within the required timeframe and in the specified format.
P4-G6	An **appropriately qualified person(s)** must monitor, record and interpret all parameters that are required to be monitored by this environmental authority and in the manner specified by this environmental authority.
P4-G7	All analyses required under this environmental authority must be carried out by a laboratory that has National Association of Testing Authorities (**NATA**) certification, or an equivalent certification, for such analyses.
P4-G8	When required by the **administering authority**, monitoring must be undertaken in the manner prescribed by the **administering authority**, to investigate a complaint of environmental nuisance arising from the **activity**. The monitoring results must be provided within 10 business days to the **administering authority** upon its request.

P4-G9	The **activity** must be undertaken in accordance with written procedures that: 1. identify potential risks to the environment from the **activity** during routine operations, closure and an emergency 2. establish and maintain control **measures** that minimise the potential for environmental harm 3. ensure plant, equipment and **measures** are maintained in a proper and effective condition 4. ensure plant, equipment and **measures** are operated in a proper and effective manner 5. ensure that staff are trained and aware of their obligations under the *Environmental Protection Act 1994* 6. ensure that reviews of environmental performance are undertaken at least annually.
P4-G10	The **activity** must not be carried out until **you** have given **financial assurance** to the **administering authority**.
P4-G11	Chemicals and fuels in containers of greater than 15 litres must be stored within a **secondary containment system**
Agency interest: Waste	
Condition number	**Condition**
P4-W1	All waste generated in carrying out the **activity** must be reused, recycled or removed to a facility that can lawfully accept the waste.
Agency interest: Air	
Condition number	**Condition**
P4-A1	Other than as permitted within this environmental authority, odours or airborne contaminants must not cause **environmental nuisance** to any **sensitive place** or **commercial place**.
Agency interest: Land	
Condition number	**Condition**
P4-L1	**Contaminants** must not be released to land.
P4-L2	**Land** that has been disturbed for **activities** conducted under this environmental authority must be rehabilitated in a manner such that: o suitable native species of vegetation for the location are established and sustained for earthen surfaces; o potential for erosion is minimised; o the quality of water released from the site, including seepage, does not cause environmental

	harm; o potential for environmental nuisance caused by dust is minimised; o the water quality of any residual water body does not have potential to cause environmental harm; o the final landform is stable and protects public safety.
P4-L3	Rehabilitation of **disturbed areas** required under condition P5-L3, must take place progressively as works are staged and new extraction areas are commenced.
P4-L4	**Significant residual impacts** to **prescribed environmental matters**, are not authorised under this environmental authority.

Agency interest: Acoustic

Condition number	Condition
P4-N1	Noise generated by the activity must not cause **environmental nuisance** to any **sensitive place** or **commercial place**.
P4-N2	**Blasting** activities must not exceed the limits for peak particle velocity and air blast overpressure in ***Error! Reference source not found.*** when measured at any **sensitive place** or **commercial place** in accordance with the associated monitoring requirements. **Table 1 - Blasting noise limits** **Blasting criteria** / **Blasting limits** **Airblast overpressure** — 115 dB (Linear) Peak for 9 out of 10 consecutive blasts initiated and not greater than 120 dB (Linear) Peak at any time. Ground **vibration** peak particle velocity — 5 mm/s peak particle velocity for 9 out of 10 consecutive blasts and not greater than 10 mm/s peak particle velocity at any time. **Associated monitoring requirements** 1. Monitoring must be performed in accordance with the most recent edition of the **administering authority's** *Noise and Vibration from Blasting guideline* and *Noise Measurement Manual* and any relevant *Australian Standard*. 2. All monitoring devices must be calibrated and maintained according to the manufacturer's instruction manual.
P4-N3	**Blasting** must be carried out in accordance with the current edition of the **administering authority's** *Noise and vibration from blasting guideline* and with *Australian Standard 2187*.
P4-N4	Unless prior approval is obtained from the **administering authority:** 1. **blasting** is only permitted during the hours of 9 am to 3 pm Monday to Friday, and from 9 am to 1 pm on Saturdays. 2. **blasting** is not permitted at any time on Sundays or public holidays.

P4-N5	When required by the **administering authority,** a blast monitoring program must be developed and implemented to monitor compliance with *Table 1 – Blasting noise limits* at any **sensitive place** or **commercial place**.

Agency Interest: Water	
Condition Number	**Condition**
P4-W1	Contaminants must not be released to any waters.
P4-W2	Erosion and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment.
P4-W3	Stormwater runoff from **disturbed areas** of the site, generated by (up to and including) a **24 hour storm event with an average recurrence interval of 1 in 5 years** must be retained on site and managed to remove contaminants prior to release.
P4-W4	Activities authorised under this permit must not: (a) drain or fill the wetland; (b) prohibit the flow of surface water in or out of the wetland; (c) lower or raise the water table and hydrostatic pressure outside the bounds of natural variability that existed before the activities commenced; (d) result in ongoing negative impacts to water quality of the wetlands; (e) result in bank instability; or (f) result in fauna ceasing to use adjacent areas for habitat, feeding or roosting or nesting.
P4-W5	Contaminants must not be released to **groundwater** or at a location where they are likely to release to **groundwater**.
P4-W6	A **groundwater monitoring system** must: (a) be designed and installed by an **appropriately qualified person(s)** with experience and qualifications in hydrology and **groundwater** monitoring; and (b) include a sufficient number of bores installed at locations and depths which yield representative **groundwater** samples from at least the uppermost aquifer so as to: i. detect any seepage of contaminants to **groundwater** from the site; and ii. establish the quality of **groundwater** affected by any seepage of contaminants; and (c) include monitoring of background **groundwater** quality, with both hydraulically **up-gradient bore(s)** or **background bore(s)** that have not been affected by any release of contaminants to **groundwater** from the **activity** and hydraulically **down gradient bore(s)** of the **activity**.
P4-W7	If a major departure from pre-quarrying groundwater level or groundwater quality is detected in the monitoring associated with P4-W6: i investigate the causes; and

	ii notify the department; and iii identify and carry out any necessary remedial actions.

Definitions

Key terms and/or phrases used in this document are defined in this section. Where a term is not defined, the definition in the *Environmental Protection Act 1994*, its regulations or environmental protection policies must be used. If a word remains undefined it has its ordinary meaning.

Activity means the environmentally relevant activities, whether resource activities or prescribed activities, to which the environmental authority relates.

Airblast overpressure means energy transmitted from the blast site within the atmosphere in the form of pressure waves. The maximum excess pressure in this wave, above ambient pressure is the peak airblast overpressure measured in decibels [dB (Lin)].

Administering authority means the Department of Environment and Heritage Protection or its successors or predecessors.

Appropriately qualified person(s) means a person or persons who has professional qualifications, training, skills and experience relevant to the EA requirement and can give authoritative assessment, advice and analysis in relation to the EA requirement using the relevant protocols, standards, methods or literature.

Approval means an environmental authority issued under the *Environmental Protection Act 1994.*

Authorised place means the place authorised under this environmental authority for the carrying out of the specified environmentally relevant activities.

Blasting is the use of explosives to fracture:
- rock, coal and other minerals for later recovery; or
- structural components or other items to facilitate removal from a site or for reuse.

Commercial place means a place used as a workplace, an office or for business or commercial purposes and includes a place within the curtilage of such a place reasonably used by persons at that place.

Contaminant means (section 11 of the *Environmental Protection Act 1994*):
- A gas, liquid or solid;
- An odour;
- An organism (whether dead or alive, including a virus);
- Energy, including noise, heat, radioactivity and electromagnetic radiation; or
- A combination of contaminants.

dB(Lin) peak means the maximum readings in decibels (dB) obtained using 'P' time-weighting characteristic as specified in Australian Standard AS 1259.1 -1990 *Sound level meters – Part 1: Non-integrating* with all frequency weighted networks inoperative.

Disturbed areas includes areas:
1. that are susceptible to erosion;
2. that are contaminated by the **activity**; and/or
3. upon which stockpiles of soil or other materials are located.

Down-gradient bore means a **background bore** in a location hydraulically down gradient of those aspects of the **activity** that may affect groundwater quality.

Environmental Nuisance means (section 15 of the *Environmental Protection Act 1994*) -
Unreasonable interference or likely interference with an environmental value caused by:
- Aerosols, fumes, light, noise, odour, particles or smoke;
- An unhealthy, offensive or unsightly conditions because of contamination; or
- Another way prescribed by regulation (e.g. unreasonable noise or dust emissions).

Financial assurance as defined in Chapter 5 of the *Environmental Protection Act 1994*.

Groundwater means water that occurs naturally in, or is introduced artificially into, an aquifer

Groundwater monitoring system means a system of **groundwater** monitoring devices, such as monitoring bores, used to provide data in respect to the level and quality of **groundwater** in the uppermost aquifer where the location of the **groundwater** monitoring devices is such that comparisons of **groundwater** quality and **groundwater** level can be made between **groundwater** flowing from beneath the site (down-gradient flow) of the **activity** and **groundwater** flowing towards the site of the **activity** (up-gradient flow).

$L_{A\ 10,\ adj,\ 10\ mins}$ means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 10% of any 10 minute measurement period, using Fast response.

$L_{A\ 1,\ adj,\ 10\ mins}$ means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 1% of any 10 minute measurement period, using Fast response.

$L_{A,\ max\ adj,\ T}$ means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over any 10 minute period, using Fast response.

Land means land excluding waters and the atmosphere

Measures has the broadest interpretation and includes plant, equipment, physical objects, bunding, containment systems, monitoring, procedures, actions, directions and competency.

Mg/L means milligrams per litre.

Nominated delegate means another government agency that provides services to the **administering authority**.

Noxious means harmful or injurious to health or physical wellbeing.

Nuisance sensitive place includes:

- A dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- A motel, hotel or hostel; or
- A kindergarten, school, university or other educational institution; or
- A medical centre or hospital; or
- A protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 1992* or a World Heritage Area; or
- A public thoroughfare, park or gardens; or
- A place used as a workplace, an office or for business or commercial purposes and includes a place within the curtilage of such a place reasonably used by persons at that place.

Offensive means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.

Peak particle velocity (ppv) means a measure of ground vibration magnitude that is the maximum rate of change of ground displacement with time, usually measured in millimetres/seconds (mms^{-1}).

Prescribed environmental matters has the meaning in section 10 of the *Environmental Offsets Act 2014*, limited to the matters of State environmental significance listed in schedule 2 of the Environmental Offsets Regulation 2014.

Release of a contaminant into the environment means to:

- deposit, discharge, emit or disturb the contaminant
- cause or allow the contaminant to be deposited, discharged, emitted or disturbed
- fail to prevent the contaminant from being deposited, discharged emitted or disturbed

- allow the contaminant to escape
- fail to prevent the contaminant from escaping.

Secondary containment system means a system designed, installed and operated to prevent any release of contaminants from the system, or containers within the system, to land, **groundwater**, or surface waters.

Sensitive place includes the following and includes a place within the curtilage of such a place reasonably used by persons at that place:

- a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or
- a kindergarten, school, university or other educational institution; or
- a medical centre or hospital; or
- a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 1992* or a World Heritage Area; or
- a public thoroughfare, park or gardens; or
- for noise, a place defined as a sensitive receptor for the purposes of the Environmental Protection (Noise) Policy 2008.

Significant residual impact has the meaning in section 8 *Environmental Offsets Act 2014*.

Site means land or tidal waters on or in which it is proposed to carry out the development approved under this environmental authority.

Vibration is the oscillating or periodic motion of a particle, group of particles, or solid object about its equilibrium position.

Watercourse means a river, creek or stream in which water flows permanently or intermittently:

- In a natural channel, whether artificially improved or not; or
- In an artificial channel that has changed the course of the watercourse.

Waters includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and groundwater and any part-thereof.

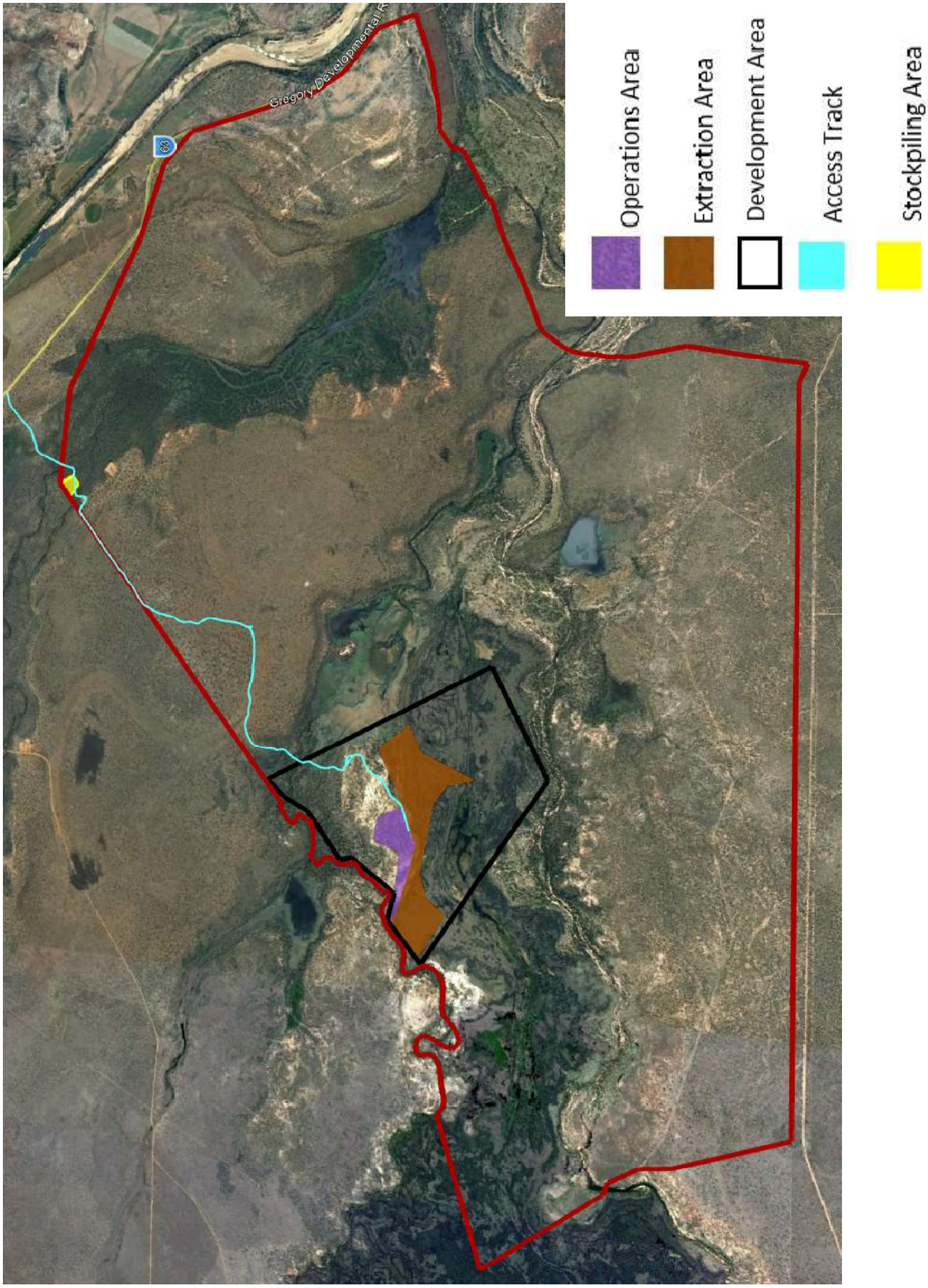
Wetlands of high ecological significance means a wetland that meets the definition of a wetland and that is shown as a wetland of 'high ecological significance' 'or wetland of 'high ecological value' on the Map of referable wetlands.

Works (or operation) means the activity approved under this environmental authority.

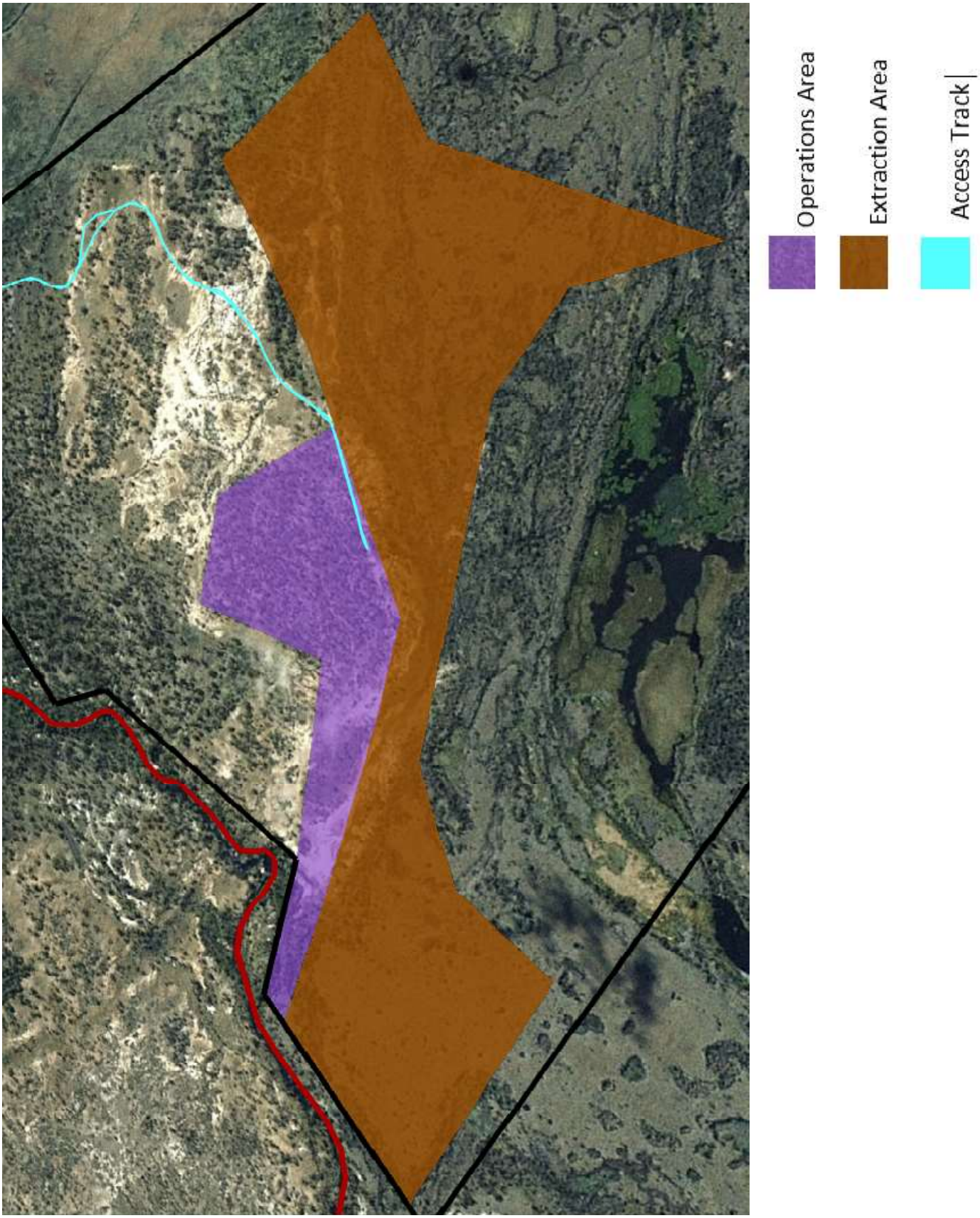
You means the holder of this environmental authority or the owner/occupier of the land which is the subject of this environmental authority.

24 hour storm event with an average recurrence interval of 1 in 5 years means the maximum rainfall depth from a 24 hour duration precipitation event with an average recurrence interval of once in 5 years. *For example, an Intensity-Frequency-Duration table for a 24 hour duration event with an average recurrence interval of 1 in 5 years, identifies a rainfall intensity of 7.09mm/hour. The rainfall depth for this event is therefore 24 hour x 7.09mm/hour = 170.16mm.*

Appendix 1 – Gainsford Quarry Site Plan



Appendix 1 – Gainsford Quarry Site Plan



END OF ENVIRONMENTAL AUTHORITY