

# Permit

## *Environmental Protection Act 1994*

## Environmental Authority

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

**Environmental authority number: EPML00421413**

**Environmental authority takes effect on 19 March 2026.**

The anniversary date of this environmental authority is 16 May each year. The payment of the annual fee will be due each year on this day.

**Transfers of this environmental authority are not authorised.**

### Environmental authority holder(s)

| Name(s)             | Registered address                     |
|---------------------|----------------------------------------|
| Gumigil Pty Limited | 15 Milman Street, MARLBOROUGH QLD 4705 |

### Environmentally relevant activity and location details

| Environmentally relevant activity/activities                                                                                                                                      | Location(s)                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Schedule 3 – 20(a) Claypit, dimension stone or mining gemstones (including the material from which gemstones are extracted)—at least 5,000t but not more than 100,000t in a year. | ML5769, ML5770, ML5781, ML5782, ML5791, ML5792, ML5795, ML5802, ML7197, ML7198. |

### 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 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 land give written notice to the administering authority if they become aware of the following:

- the presence of, or happening of an event involving, a hazardous contaminant on the land that is causing, or is reasonably likely to cause, serious or material environmental harm (notice must be given within 24 hours); or
- if the land is contaminated land – a change in the condition of the land that is causing, or is reasonably likely to cause, serious or material environmental harm (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 land (notice must be given within 20 business days).

For further information, including the form for giving written notice, refer to the Queensland Government website [www.qld.gov.au](http://www.qld.gov.au), using the search term 'duty to notify'.

## Take effect

Please note that, in accordance with section 200(1) 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, in accordance with section 200(2) of the EP Act, the day that the EA takes effect may not be before:

- (a) if the authority is for a resource activity—the day the relevant tenure is granted to the applicant; or
- (b) if a development permit for a material change of use of premises under the *Planning Act 2016* is necessary for carrying out an activity that related to the authority—the day the development permit takes effect; or
- (c) if an SDA Approval under the *State Development and Public Works Organisation Act 1971* is necessary for carrying out an activity that relates to the authority—the day the approval takes 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.

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 EA.

## Permit

Environmental Authority EPML00421413 Gumigil Chrysoprase Mine



Signature

Ben Byrd

**Department of the Environment, Tourism, Science and Innovation**

Delegate of the administering authority

*Environmental Protection Act 1994*

19 March 2026

Date

### Enquiries:

Business Centre Coal

PO Box 3028, Emerald QLD 4720

Phone: (07) 4987 9320

Email: [CRMining@detsi.qld.gov.au](mailto:CRMining@detsi.qld.gov.au)

## **Obligations under the *Environmental Protection Act 1994***

In addition to the requirements found in the conditions of this EA, 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 restore the environment (section 319C)
- 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 EP Act. 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 and Federal Government agencies prior to commencing any activity at the site. For example, this may include permits or approvals with your local Council (for planning approval), the Department of Transport and Main Roads (to access State controlled roads), the Department of Natural Resources and Mines, Manufacturing, and Regional and Rural Development (to clear vegetation), and the Department of Primary Industries (to clear marine plants or to obtain a quarry material allocation).

## **Obligations under the *Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act)***

Matters of national environmental significance (MNES) are regulated under the Commonwealth EPBC Act rather than under state legislation. You may need to submit a referral if your project potentially impacts any matters protected under the EPBC Act. For more information on self-assessments, and referral and assessment processes, please visit the Australian Government Department of Climate Change, Energy, the Environment and Water's website at [www.dcceew.gov.au/environment/epbc/advice](http://www.dcceew.gov.au/environment/epbc/advice).

## **Obligations under the *Aboriginal Cultural Heritage Act 2003* and *Torres Strait Islander Cultural Heritage Act 2003* (the Cultural Heritage Acts)**

The Cultural Heritage Acts require anyone who carries out a land-use activity to exercise a duty of care. This 'duty of care' means land users must take all reasonable and practicable measures to ensure their activity does not harm Aboriginal or Torres Strait Islander cultural heritage, and applies to any activity where Aboriginal or Torres Strait Islander cultural heritage is located. For more information on your obligations under this legislation, please visit the Department of Women, Aboriginal and Torres Strait Islander Partnerships and Multiculturalism webpage at, [www.dwatsipm.qld.gov.au](http://www.dwatsipm.qld.gov.au).

**Conditions of environmental authority**

The environmentally relevant activity(ies) conducted at the location as described above must be conducted in accordance with the following site-specific conditions of approval. This environmental authority consists of the following Schedules and Appendices.

|             |                                                          |
|-------------|----------------------------------------------------------|
| Schedule A  | General                                                  |
| Schedule B  | Air                                                      |
| Schedule C  | Water                                                    |
| Schedule D  | Acoustic                                                 |
| Schedule E  | Land                                                     |
| Schedule F  | Waste                                                    |
| Definitions |                                                          |
| Figure 1    | Locations of Gullies 1 to 7 with Water Monitoring Points |

| Schedule A: General |                                                                                                                                                                                                                                                                                                                                                    |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Condition number    | Condition                                                                                                                                                                                                                                                                                                                                          |
| <b>A1</b>           | The holder must:<br>(a) install all measures, plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and<br>(b) maintain such measures, plant and equipment in a proper condition; and<br>(c) operate such measures, plant and equipment in a proper manner.                                      |
| <b>A2</b>           | <b>Monitoring</b><br>Record, compile and keep all monitoring results required by this environmental authority and make available for inspection all or any of these records upon request by the administering authority.                                                                                                                           |
| <b>A3</b>           | Where monitoring is a requirement of this environmental authority, ensure that a competent person(s) conducts all monitoring.                                                                                                                                                                                                                      |
| <b>A4</b>           | Spillage of all chemicals and fuels must be contained within an on-site containment system and controlled in a manner that prevents environmental harm (other than trivial harm) and maintained in accordance with Section 5.9 of AS 1940 - Storage and Handling of Flammable and Combustible Liquids of 1993.                                     |
| <b>A5</b>           | Words and phrases used throughout this EA are defined in <i>Attachment 2 – Definitions</i> . Where a definition for a term used in this EA is sought and the term is not defined within this EA, the definitions in the <i>Environmental Protection Act 1994</i> , its Regulations and Environmental Protection Policies must be used.             |
| <b>A6</b>           | The environmental authority holder must comply with each of the Standard Environmental Conditions contained in the Code of Environmental Compliance for Exploration and Mineral Development Projects January 2001 when conducting and maintaining exploration activities on those parts of mining leases not subject to active mining at the time. |
| <b>A7</b>           | All complaints received must be recorded including details of complainant, reasons for the complaint, investigations undertaken, conclusions formed, and actions taken. This information must be made available for inspection by the administering authority on request.                                                                          |

| Schedule B: Air  |                                                                                                                                                       |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Condition number | Condition                                                                                                                                             |
| <b>B1</b>        | The release of dust or particulate matter or both resulting from the mining activity must not cause an environmental nuisance at any sensitive place. |

| Schedule C: Water |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Condition number  | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>C1</b>         | Storm water contaminated by the mining activity disturbance, other than road access, must be treated in a sediment dam(s) of a minimum capacity of 1500 m <sup>3</sup> per hectare of disturbance before release (sediment dam size criteria).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>C2</b>         | All roads will have run-off control structures at suitable intervals to minimise erosion and direct runoff on to natural ground.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>C3</b>         | <p>End of pipe release limits for process water and storm water contaminated by mining activities must be monitored at the locations and frequencies defined in <b>Table C1 – End of pipe monitoring locations and frequency</b>, and <b>Figure 1 – Locations of Gullies with Water Monitoring Points</b> and comply with the contaminant limits defined in <b>Table C2 – End of pipe contaminant release limits</b>.</p> <p>Note: See <b>Table C1 – End of pipe monitoring locations and frequencies</b>; <b>Table C2 – End of pipe contaminant release limits</b>; and <i>Figure 1 – Locations of Gullies with Water Monitoring Points</i>.</p>                                                                             |
| <b>C4</b>         | Complete an investigation into the release of contaminated storm water from areas disturbed by mining and submit a report entitled 'Sediment Control' to the administering authority evaluating the success of sediment dam size criteria in condition <b>C1</b> to meet the limits in conditions <b>C2</b> and <b>C3</b> in comparison to catchment backgrounds within two months following two wet seasons or rain events resulting in over-flows of sediment dams after April 2005. The investigation shall include all gullies affected by mining that leave the mining leases; appropriate reference gullies not disturbed by mining; and Marlborough and Develin Creeks upstream of Gumigil's mining during high flows. |
| <b>C5</b>         | All reasonable and practicable erosion protection measures and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>C6</b>         | The method of water sampling required by this environmental authority must comply with that set out in the latest edition of the administering authority's Monitoring and Sampling Manual.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

**Table C1 – End of pipe monitoring locations\* and frequency**

| Monitoring point | Latitude (GDA2020) | Longitude (GDA2020) | Monitoring frequency**               |
|------------------|--------------------|---------------------|--------------------------------------|
| Gully 1 and 2    | -22.572332267      | 149.517204114       | During one high flow event per month |
| Gully 3          | -22.578792266      | 149.515644114       | During one high flow event per month |
| Gully 4          | -22.580252266      | 149.515794114       | During one high flow event per month |
| Gully 5, 6 and 7 | -22.581872265      | 149.499514115       | During one high flow event per month |

\* See also Figure 1 – Locations of Gullies 1 to 7 with Water Monitoring Points

\*\* Sampling by rising stage sampler or equivalent method.

**Table C2 – End of pipe contaminant release limits**

| Monitoring Point             | Parameter                    | Units | Minimum | Maximum |
|------------------------------|------------------------------|-------|---------|---------|
| Gully 1, 2, 3, 4, 5, 6 and 7 | Total Suspended Solids (TSS) | Mg/L  | n/a     | 800     |

| Schedule D: Acoustic |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Condition number     | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>D1</b>            | <p><b>Noise nuisance</b></p> <p>Subject to requirement of condition <b>D2</b> and condition <b>D3</b> noise from the mining activity must not cause an environmental nuisance, at any sensitive or commercial place.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>D2</b>            | <p>When requested by the Administering Authority, noise monitoring must be undertaken within a reasonable and practicable timeframe nominated by the administering authority to investigate any complaint (which is neither frivolous nor vexatious nor based on mistaken belief in the opinion of the authorised officer) of environmental nuisance at any sensitive or commercial place, and the results must be notified within 14 days to the administering authority following completion of monitoring.</p>                                                                                                                                                                                 |
| <b>D3</b>            | <p>If the environmental authority holder can provide evidence through monitoring that the limits defined in <b>Table D1 – Noise limits</b> and <b>Table D2 – Airblast overpressure level</b> are not being exceeded, then the holder is not in breach of condition <b>D1</b>. Monitoring must include:</p> <ul style="list-style-type: none"> <li>(a) LA, max adj, T;</li> <li>(b) the level and frequency of occurrence of impulsive or tonal noise;</li> <li>(c) atmospheric conditions including wind speed and direction; and</li> <li>(d) location, date and time of recording.</li> </ul> <p>Note: See <b>Table D1 – Noise limits</b> and <b>Table D2 – Airblast overpressure level</b></p> |

**Table D1 - Noise Limits**

| Noise level dB(A)<br>measured as | Monday to Saturday                                                           |            |            | Sundays and public holidays |            |            |
|----------------------------------|------------------------------------------------------------------------------|------------|------------|-----------------------------|------------|------------|
|                                  | 7am – 6pm                                                                    | 6pm – 10pm | 10pm – 7am | 9am – 6pm                   | 6pm – 10pm | 10pm – 9am |
|                                  | Noise measured at a ‘Noise sensitive place other than at a commercial place” |            |            |                             |            |            |
| LA10, adj, 10 mins               | b/g+5                                                                        | b/g+5      | b/g+3      | b/g+5                       | b/g+5      | b/g+0      |
| LA1, adj, 10 mins                | b/g+10                                                                       | b/g+10     | b/g+5      | b/g+10                      | b/g+10     | b/g+5      |
|                                  | Noise measured at a ‘Commercial place’                                       |            |            |                             |            |            |
| LA10, adj, 10 mins               | b/g+10                                                                       | b/g+10     | b/g+5      | b/g+10                      | b/g+10     | b/g+5      |
| LA1, adj, 10 mins                | b/g+15                                                                       | b/g+15     | b/g+10     | b/g+15                      | b/g+15     | b/g+10     |

Note: The method of measurement and reporting of noise levels must comply with the latest edition of the Administering Authority's Noise Manuals.

**Table D2 - Airblast overpressure limits**

| Location                | Monday to Friday 7am – 6pm<br>and<br>Saturday 7am – 6pm                                                                                                              | Sundays and Public Holidays<br>9am – 5pm             |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| <b>Sensitive place</b>  | Air blast overpressure level of 115 db (linear peak) for four (4) out of five (5) consecutive blasts initiated and not greater than 120db (linear peak) at any time. | Air blast overpressure level of 110db (linear peak). |
| <b>Commercial place</b> | Air blast overpressure level of 115 db (linear peak) for four (4) out of five (5) consecutive blasts initiated and not greater than 120db (linear peak) at any time. |                                                      |

Note: The method of measurement and reporting of airblast overpressure levels must comply with the latest edition of the Administering Authority's vibration and air blast overpressure monitoring guideline.

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>D4</b> | <p>If monitoring indicates exceedance of the limits in Attachment 1 for <b>Table D1 – Noise limits</b> and <b>Table D2 – Airblast overpressure level</b>, then the environmental authority holder must:</p> <p>(a) address the complaint including the use of appropriate dispute resolution if required; or</p> <p>(b) immediately implement noise abatement measures so that emissions of noise from the activity do not result in further environmental nuisance.</p> <p>Note: See <b>Table D1 – Noise limits</b> and <b>Table D2 – Airblast overpressure level</b>.</p> |
| <b>D5</b> | The method of measurement and reporting of noise levels must comply with the latest edition of the Administering Authority's Noise Measurement Manual.                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>D6</b> | <p><b>Vibration nuisance</b></p> <p>Subject to requirements of condition <b>N7</b> and condition <b>N8</b> vibration from the mining activity must not cause an environmental nuisance, at any sensitive or commercial place.</p>                                                                                                                                                                                                                                                                                                                                           |
| <b>D7</b> | When requested by the Administering Authority, vibration monitoring must be undertaken within a reasonable and practicable timeframe nominated by the administering authority to investigate any complaint (which is neither frivolous nor vexatious nor based on mistaken belief in the opinion of the authorised officer) of environmental nuisance at any sensitive or commercial place, and the results must be notified within 14 days to the administering authority following completion of monitoring.                                                              |
| <b>D8</b> | <p>If the environmental authority holder can provide evidence through monitoring that the limits defined in <b>Table D3 – Vibration limits</b>, are not being exceeded then the holder is not in breach of condition <b>D6</b>. Monitoring must include:</p> <p>a) location of the blast/s within the mining area (including which bench level);</p> <p>b) atmospheric conditions including temperature, relative humidity and wind speed and direction; and</p> <p>c) location, date and time of recording.</p> <p>Note: See <b>Table D3 – Vibration limits</b>.</p>       |

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>D9</b> | <p>If the environmental authority holder can provide evidence through monitoring that the limits defined in <b>Table D3 – Vibration limits</b>, are not being exceeded then the holder is not in breach of condition <b>D6</b>. Monitoring must include:</p> <p>a) address the complaint including the use of appropriate dispute resolution if required; or</p> <p>b) immediately implement vibration abatement measures so that vibration from the activity does not result in further environmental nuisance.</p> <p>Note: See <b>Table D3 – Vibration limits</b>.</p> |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Table D3 – Vibration limits**

| Location                | Vibration measured                                                                                                                              |                                                                                                                                                |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | Monday to Friday 7 am - 6 pm and<br>Saturday 7am - 6 pm                                                                                         | Sundays and public holidays<br>9am - 5 pm                                                                                                      |
| <b>Sensitive place</b>  | 5 mm/s peak particle velocity for four (4) out of five (5) consecutive blasts and not greater than 10 mm/s peak particle velocity at any time.  | 5 mm/s peak particle velocity for four (4) out of five (5) consecutive blasts and not greater than 10 mm/s peak particle velocity at any time. |
| <b>Commercial place</b> | 10 mm/s peak particle velocity for four (4) out of five (5) consecutive blasts and not greater than 15 mm/s peak particle velocity at any time. |                                                                                                                                                |

Note: The method of measurement and reporting of vibration levels must comply with the latest edition of the Environmental Protection Agency's vibration and air blast overpressure monitoring guideline.

| Schedule E: Land |                                                                                                                                                                                                                     |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Condition number | Condition                                                                                                                                                                                                           |
| <b>E1</b>        | Progressive rehabilitation of the disturbed land must be carried out in accordance with the approved Progressive Rehabilitation and Closure Plan (PRCP) schedule P-PRCP-100948970 for this environmental authority. |
| <b>E2</b>        | <p><b>Surrender</b></p> <p>The holder must meet the conditions and the rehabilitation milestones under the PRCP schedule P-PRCP-100948970 prior to the surrender of the environmental authority.</p>                |

| Schedule F: Waste |                                                                                                                                                                                                                                                |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Condition number  | Condition                                                                                                                                                                                                                                      |
| <b>F1</b>         | Tyres stored awaiting disposal or transport for take-back and, recycling, or waste-to-energy options - should be stockpiled in volumes less than 3m in height and 200m <sup>2</sup> in area and at least 10m from any other tyre storage area. |
| <b>F2</b>         | All reasonable and practicable fire prevention measures must be implemented, including removal of grass and other materials within a 10m radius of the scrap tyre storage area.                                                                |

**END OF CONDITIONS**

## 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.

**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 linear (dBL).

**Ambient (or total) noise** at a place means the level of noise at the place from all sources (near and far), measured as the Leq for an appropriate time interval.

**Authority** means environmental authority (mining activities) under the *Environmental Protection Act 1994*.

**Blasting** means the use of explosive materials to fracture:

- (a) rock, coal and other minerals for later recovery; or
- (b) structural components or other items to facilitate removal from a site or for reuse.

**Commercial place** means a work place used as an office or for business or commercial purposes, which is not part of the mining activity and does not include employees accommodation or public roads.

**Competent person** means a person with the demonstrated skill and knowledge required to carry out the task to a standard necessary for the reliance upon collected data or protection of the environment.

**Dam** means a containment or proposed containment whether permanent or temporary, which is designed to contain, divert or control flowable substances. However, this does not include a fabricated or manufactured tank or container designed to recognised standard.

**Environmental authority holder** means the holder of this environmental authority.

**Infrastructure** means water storage dams, roads and tracks, buildings and other structures built for the purpose of mining activities but does not include other facilities required for the long term management of mining impacts or the protection of potential resources. Such other facilities include dams, waste rock dumps, voids, or ore stockpiles and buildings as well as other structures whose ownership can be transferred and which have a residual beneficial use for the next owner of the operational land or the background landowner.

**L<sub>A10</sub>, 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<sub>A1</sub>, 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<sub>A</sub>, 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** in the **land schedule** of this document means land excluding waters and the atmosphere.

**Land suitability** as defined in the *DME 1995 Technical Guidelines for the Environmental Management of Exploration and Mining in Queensland*.

**Land use** means the selected post mining use of the land, which is planned to occur after the cessation of mining operations.

**Noxious** means harmful or injurious to health or physical wellbeing, other than trivial harm.

**Peak particle velocity (ppv)** means a measure of ground vibration magnitude which is the maximum rate of change of ground displacement with time, usually measured in millimetres/second (mm/s).

**Protected area** means – a protected area under the *Nature Conservation Act 1992*, or

- (a) a marine park under the *Marine Parks Act 1992*, or
- (b) a World Heritage Area.

**Sensitive place** means:

- (a) a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- (b) a motel, hotel or hostel; or
- (c) an educational institution; or
- (d) a medical center or hospital; or
- (e) a protected area under the Nature Conservation Act 1992, the Marine Parks Act 1992 or a World Heritage Area; or
- (f) a public park or gardens.

**Spillway** means a passage or outlet from the dam through which surplus water flows.

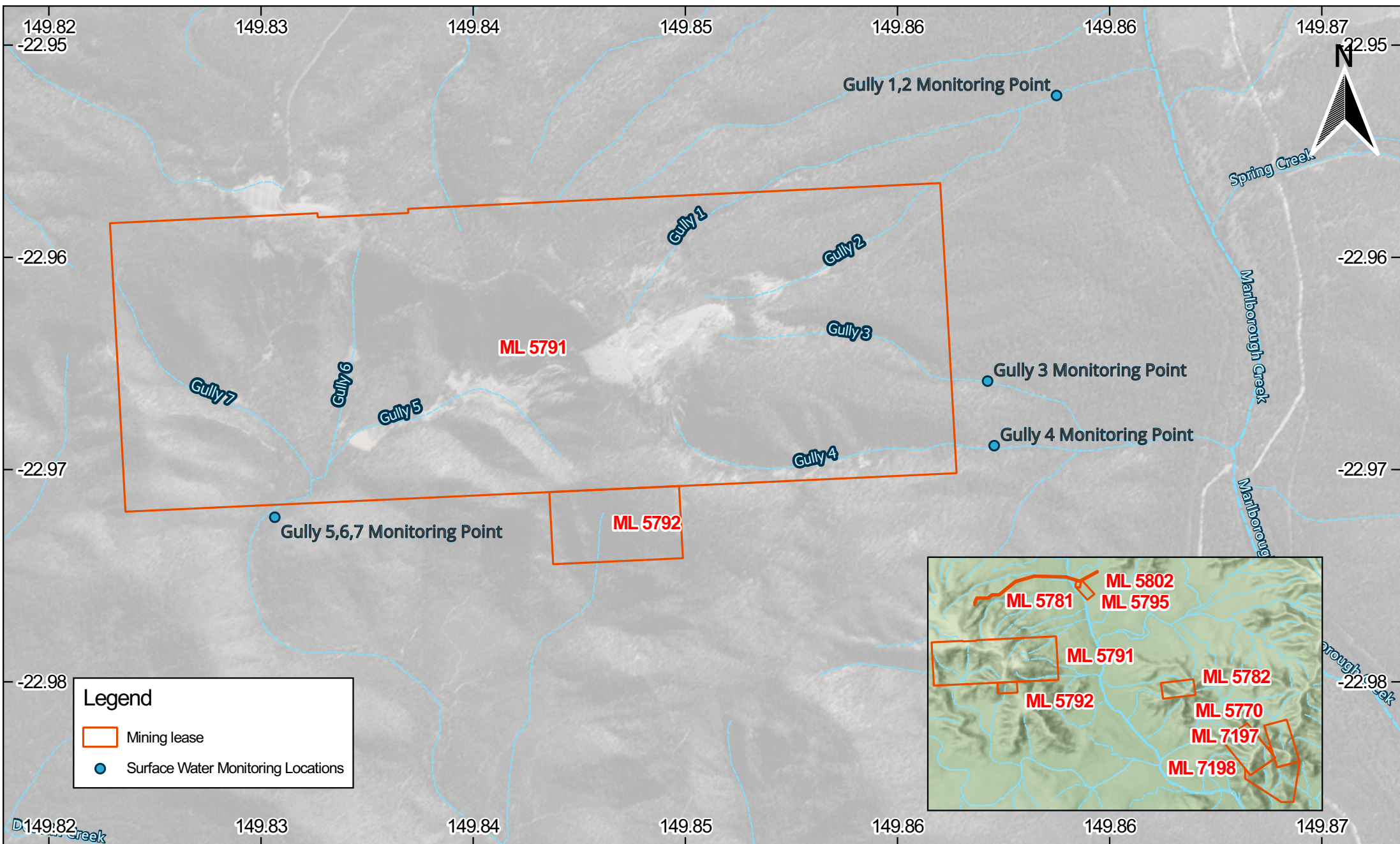
**Trivial harm** means environmental harm which is not material or serious environmental harm and will not cause actual or potential loss or damage to property of an amount of, or amounts totalling more than \$5,000.

**Watercourse** means a river, creek or stream in which water flows permanently or intermittently in a visibly defined channel (natural, artificial or artificially improved) with:

- (a) continuous bed and banks;
- (b) an extended period of flow for some months after rain ceases, and
- (c) an adequacy of flow that sustains basic ecological processes and maintains biodiversity.

**Waters** includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, bed and banks of any waters, dams, non-tidal or tidal waters (including the sea or any part-thereof).

## **END OF DEFINITIONS**



**Figure 1:**  
**Locations of Gullies 1 to 7 with Water Monitoring Points**

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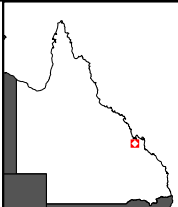
Prepared by  
 Department of the Environment, Tourism, Science and Innovation



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**Permit**

Environmental Authority EPML00421413 Gumigil Chrysoprase Mine

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**END OF ENVIRONMENTAL AUTHORITY**