Permit

Environmental Protection Act 1994

Environmental authority EPPR03407715

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

Environmental authority number: EPPR03407715

Environmental authority takes effect on the date the development approval D/174/2015 takes effect.

Environmental authority holder(s)

Name(s)	Registered address
Belmont Sands Pty Ltd	Level 4 247 Adelaide Street BRISBANE CITY 4000 QLD

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
ERA 16 - Extraction and Screening 2: Extracting, other than by dredging, in a year, the following quantity of material (b) more than 100,000t but not more than 1,000,000t ERA 16 - Extraction and Screening 3: Screening, in a year, the following quantity of material (b) more than 100,000t but not more than 1,000,000t	Lot 3/RP601603; Lot 5/RP601603; Lot 6/RP601603; Lot 8/RP601603; Lot 10/SP142291; Lot 118/ LN284, Lot 2197/ LIV40813 and Lot 2/ RP610451.

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).

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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.

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.

Clancy Mackaway
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

Date issued: 18 May 2020

Enquiries:
Energy and Extractive Resources
Department of Environment and Science
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Brisbane QLD 4001
Phone: (07) 3330 5715
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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)

Conditions of environmental authority

Agency interest: General	
Condition number	**Condition**
G1	Activities conducted under this environmental authority must be conducted in accordance with the following limitation: a) Notwithstanding condition G10, disturbance is limited to proposed resource areas, the stockpile areas, and access roads identified in Appendix 1. b) Extraction must only occur within the proposed resource areas in Appendix 1. c) Only stockpiling may occur within the stockpile areas in Appendix 1.
G2	All reasonable and practicable **measures** must be taken to minimise the likelihood of environmental harm being caused.
G3	Any breach of a condition of this environmental authority, must be reported to the **administering authority** as soon as practicable, or at most, within 24 hours of **you** becoming aware of the breach. Records must be kept including full details of the breach and any subsequent actions undertaken.
G4	Other than as permitted by this environmental authority, the **release of a contaminant into the environment** must not occur.
G5	All information and records that are required by the conditions of this environmental authority must be kept for a minimum of five (5) years. Environmental monitoring results must be kept until surrender of this environmental authority. All information and records required by the conditions of this environmental authority must be provided to the **administering authority** upon request.
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.
G7	All analyses required under this environmental authority must be carried out by a laboratory that has **NATA** certification, or an equivalent certification, for such analyses. The only exception to this condition is for *in situ* monitoring pH, turbidity and dissolved oxygen.
G8	When required by the **administering authority**, monitoring must be undertaken in the manner prescribed by the **administering authority**, to investigate a complaint that is not considered by the **administering authority** to be frivolous or vexatious, of environmental nuisance arising from the **activity**. The monitoring results must be provided to the **administering authority** upon request.
G9	The **activity** must be undertaken in accordance with written procedures that: a) identify potential risks to the environment from the **activity** during routine operations, closure and an emergency b) establish and maintain control **measures** that minimise the potential for environmental

	harm c) ensure plant, equipment and **measures** are maintained in a proper and effective condition d) ensure plant, equipment and **measures** are operated in a proper and effective manner *e)* ensure that staff are trained and aware of their obligations under the *Environmental Protection Act 1994* f) ensure that reviews of environmental performance are undertaken at least annually.
G10	A minimum buffer distance of 50m must be maintained between proposed resource areas in Appendix 1 and the high banks of any **watercourse**.
G11	Chemicals and fuels in containers of greater than 15 litres must be stored within a **secondary containment system.**

Agency interest: Air	
Condition number	**Condition**
A1	Odours or airborne contaminants which are **noxious** or **offensive** or otherwise unreasonably disruptive to public amenity or safety must not cause nuisance to any **sensitive place** or **commercial place**.

Agency interest: Water	
Condition number	**Condition**
WT1	The stormwater runoff from disturbed areas, 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 or managed to remove contaminants before release.
WT2	The only contaminants to be released to surface **waters** are treated stormwater runoff waters in accordance with *Table 1—Surface water release limits* and the associated monitoring requirements.

Table 1—Surface water release limits

Quality characteristic (units)	**Limit**	**Limit Type**	**Minimum Monitoring Frequency**
Dissolved Oxygen (%)	85-110	Range	Prior to release and weekly thereafter whilst releasing
Turbidity (NTU)	50	Maximum	

	<table><tr><td>Total Suspended Solids (mg/L)</td><td>85</td><td>Maximum</td><td></td></tr><tr><td>pH (pH units)</td><td>6.5-8.5</td><td>Range</td><td></td></tr></table> **Associated monitoring requirements** a) Release points must be in accordance with those identified in Appendix 2. b) Monitoring must be in accordance with the methods prescribed in the current edition of the **administering authority's** *Water Quality Sampling Manual.* c) Samples must be taken using representative samples. d) Samples must be taken at the point of release. e) All determinations must employ analytical practical quantification limits sufficiently low enough to enable comparisons to be made against water quality objectives/limits relevant to the particular water quality characteristic. f) Monitoring must be undertaken prior to release and during a release as per the frequency stated. g) All monitoring devices must be correctly calibrated and maintained.
WT3	Monitoring of contaminant releases to **waters** must be undertaken in accordance with condition WT2 and records of the results must be kept.
WT4	In addition to WT2, the release to **waters** must not: a) have any other properties at a concentration that is capable of causing environmental harm b) produce any slick or other visible evidence of oil or grease, nor contain visible floating oil, grease, scum, litter or other visually objectionable matter.
WT5	Erosion and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment.
Agency interest: Noise	
Condition number	**Condition**
N1	Noise from the **activity** must not exceed the levels identified in *Table 2—Noise limits* when measured in accordance with the associated monitoring requirements. **Table 2—Noise limits** <table><tr><th rowspan="2">Noise level dB(A) measured as</th><th colspan="3">Monday to Sunday including public holidays</th></tr><tr><th>7am - 6pm</th><th>6pm - 10pm</th><th>10pm - 7am</th></tr><tr><td></td><td colspan="3">Noise measured at a sensitive place</td></tr></table>

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	$L_{Aeq\ adj,\ T}$	45	35	30

Associated monitoring requirements

1) All monitoring devices must be correctly calibrated and maintained.
2) Any monitoring must be in accordance with the most recent version of the **administering authority's** Noise Measurement Manual.
3) Any monitoring of noise emissions from the **activity** must be undertaken when the **activity** is in operation.

N2	When required by the **administering authority**, noise monitoring must be undertaken in accordance with the associated monitoring requirements of *Table 2—Noise Limits*, and the results notified within 14 days to the **administering authority**. Monitoring must include: a) $L_{Aeq,\ adj,\ T}$ b) **Background** noise (Background) as $L_{A90,\ adj,\ T}$ c) $MaxL_{pA,T}$ d) the level and frequency of occurrence of any impulsive or tonal noise e) atmospheric conditions including wind speed and direction f) effects due to extraneous factors such as traffic noise g) location, date and time of recording.
N3	**Blasting** or the generation of **substantial low frequency noise** is not permitted.

Agency interest: Land

Condition number	**Condition**
L1	Land that has been disturbed for activities conducted under this environmental authority must be rehabilitated in a manner such that: a) suitable species of vegetation for the location are established and sustained for earthen surfaces b) potential for erosion is minimised c) the quality of water, including seepage, released from the site does not cause environmental harm d) potential for environmental nuisance caused by dust is minimised e) the water quality of any residual water body does not have potential to cause environmental harm f) the final landform is stable and protects public safety.
L2	Rehabilitation of disturbed areas required under condition L1, must take place progressively as works are staged and new areas of extraction are commenced.

Agency interest: Waste	
Condition number	**Condition**
WS1	All waste generated in carrying out the **activity** must be reused, recycled or removed to a facility that can lawfully accept the waste.

Definitions

Key terms and/or phrases used in this document are defined in this section. Applicants should note that 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.

Administering authority means the Department of Environment and Science 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.

Background means noise, measured in the absence of the noise under investigation, as $L_{A90,T}$ being the A-weighted sound pressure level exceeded for 90% of the time period of not less than 15 minutes, using Fast response.

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.

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.

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

$L_{Aeq\ adj,T}$ means the adjusted A weighted equivalent continuous sound pressure level measures on fast response, adjusted for tonality and impulsiveness, during the time period T, where T is measured for a period no less than 15 minutes when the **activity** is causing a steady state noise, and no shorter than one hour when the approved **activity** is causing an intermittent noise.

Land does not include **waters**.

$\mathbf{MaxL_{pA,T}}$ means the maximum A-weighted sound pressure level measured over a time period T of not less than 15 minutes, using Fast response.

Measures have the broadest interpretation and includes plant, equipment, physical objects, monitoring, procedures, actions, directions and competency.

NATA means National Association of Testing Authorities.

Noxious means harmful or injurious to health or physical well-being.

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

Records include breach notifications, written procedures, analysis results, monitoring reports and monitoring programs required under a condition of this authority.

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:

1. a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
2. a motel, hotel or hostel; or
3. a kindergarten, school, university or other educational institution; or
4. a medical centre or hospital; or
5. a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 2004* or a World Heritage Area; or
6. a public park or garden; or
7. for noise, a place defined as a sensitive receptor for the purposes of the Environmental Protection (Noise) Policy 2019.

Substantial low frequency noise means a noise emission that has an unbalanced frequency spectrum shown in a one-third octave band measurements, with a predominant component within the frequency range 10 to 200 Hz. It includes any noise emission likely to cause an overall sound pressure level at a noise sensitive place exceeding 55 dB(Z).

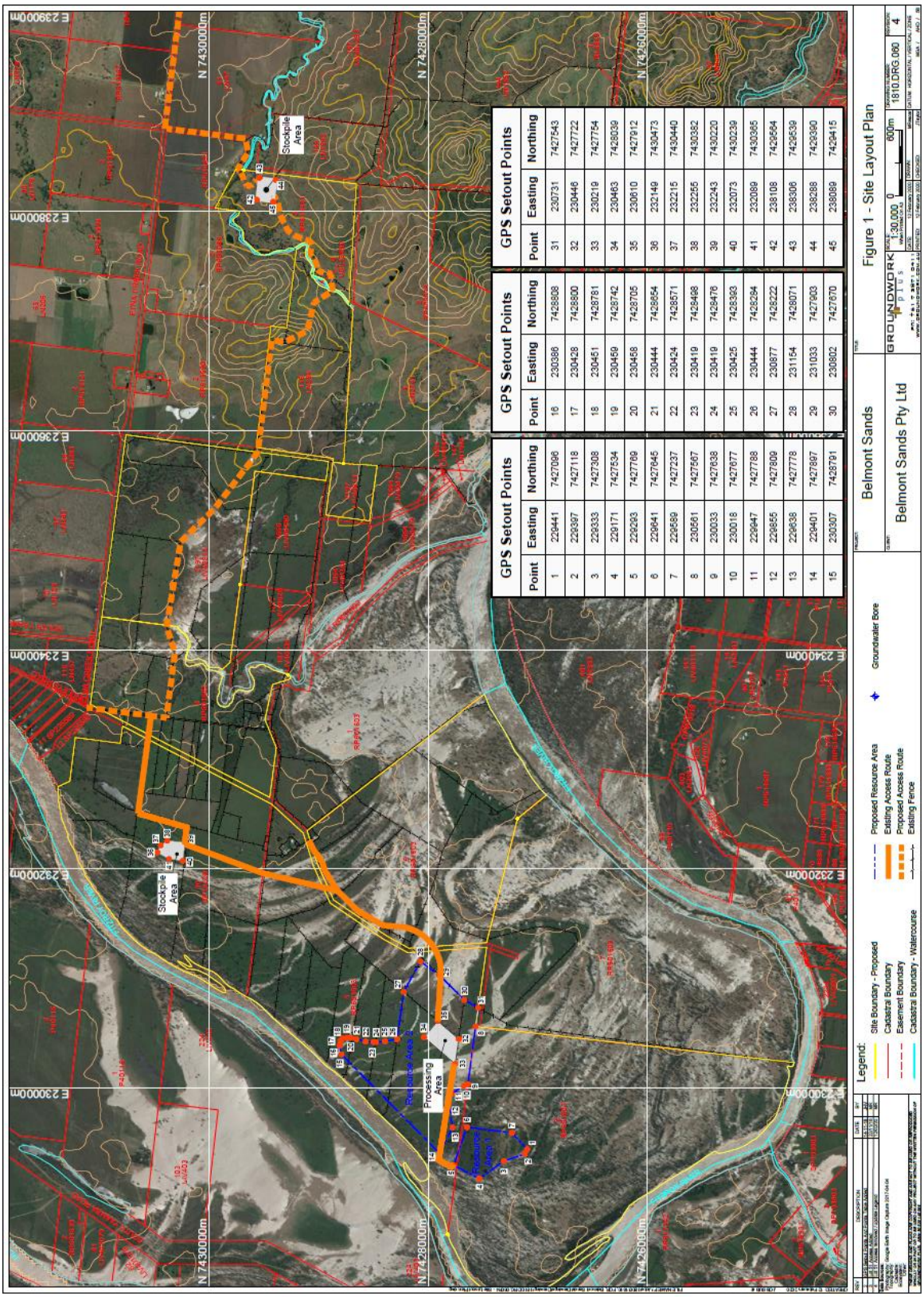
Watercourse means a watercourse as defined under Schedule 4 of the *Environmental Protection Act 1994*, and which aligns with a watercourse on the vegetation management watercourse and drainage features map prescribed under the *Vegetation Management Act 1999*.

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.

You means the holder of the environmental authority.

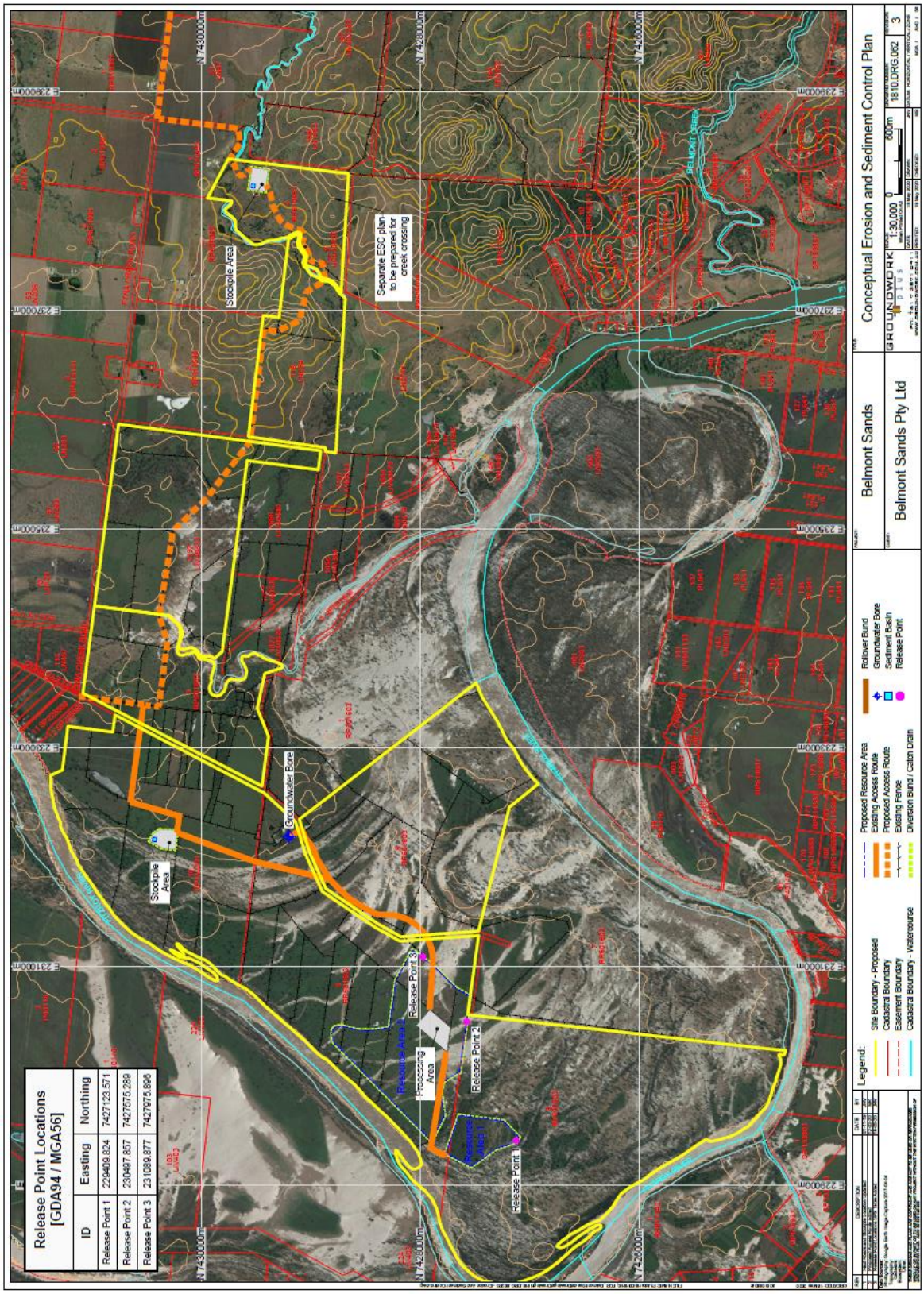
24 hour storm event with an average recurrence interval of 1 in 5 years means the maximum rainfall depth from a 24-hour duration precipitation event with an average recurrence interval of once in 5 years. For example, an Intensity–Frequency–Duration table for a 24-hour duration event with an average recurrence interval of 1 in 5 years, identifies a rainfall intensity of 8.2mm/hour. The rainfall depth for this event is therefore 24 hour x 8.2mm/hour = 196.8mm.

Appendix 1



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Appendix 2



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END OF ENVIRONMENTAL AUTHORITY