

**ADDITIONAL INFORMATION DOCUMENT
TO SUPPORT APPLICATION TO AMEND
ENVIRONMENTAL AUTHORITY NUMBER
EPSL00460513**

Tenement MLA 100351 and ML's 10340 and 10341

**Environmental Authority
number:** EPSL00460513

Prepared by: Hetherington Exploration and Mining Title
Services (QLD) Pty Ltd, for and on behalf of
Queensland Zeolite Pty Ltd

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Table of Contents

1	Background.....	3
2	EA Amendment assessment criteria.....	7
3	Affected environmental values.	8
3.1	Description of environmental values affected.	8
3.2	Details of the emissions on releases likely to be generated.....	9
3.3	Description of the task and likely magnitude of impacts on the environmental values10	
4	Management practices prepared to be implemented.	10
5	Details of proposed rehabilitation procedures.....	11
6	Conclusions	12

Table of Figures

Figure 4: Locality Sketch – Dittmer Project	4
Figure 2: Location of existing Dittmer Project tenements in Proximity to the MLA	5
Figure 3: Mine Plan – Survey plan showing the external boundaries and access for the Dittmer Extended MLA.	6
Figure 4: Mine Plan for the Dittmer Project MLA.	7

1 Background

Ballymore Resources Limited (Ballymore) has submitted an application to the Department of Resources (DOR) for the Dittmer Extended MLA which is located approximately 20km SW of Proserpine in Queensland. The application was lodged with DOR on 20 July 2023 and was assigned the reference number MLA 100351.

MLA 100351 together with existing MLs 10340 and 10341 form the greater Dittmer project. Existing ML's 10340 and 10341 are currently contained within EPSL 00460513 which is a code compliant EA that requires the EA holder to comply with all conditions of the Eligibility Criteria for Mining Lease Projects (ML Code). Ballymore now makes application to the Department of Environment and Science to amend the existing EA to add MLA 100351 to it. This document has been prepared to provide necessary information to support the EA amendment application.

Proserpine is located approximately 1,000 km north-northwest of Brisbane. Excellent access is via a national sealed highway that runs from Brisbane, through Proserpine to Cairns further north. Proserpine is also serviced by a regional airport with daily commuter flights to Brisbane and other centres. The climate is tropical, with average monthly temperatures ranging from 18° - 26° C, and annual rainfall of approximately 930 mm that is concentrated from November to March.

Access to all most of the Dittmer project tenements is via public sealed and unsealed roads, and private unsealed farm access tracks. The Project area consists of cleared grazing land and low rolling hills that rise to heavily forested steep and rugged hills.

The Dittmer project will involve the extraction of the defined gold resources via traditional underground techniques. The extracted gold ore will be transported via road to an off-site processing facility. As such, the surface footprint and associated environmental impact of the project will be minimal such that the proposed operation can proceed in full compliance with all conditions of the ML Code. Additional surface disturbances required for MLA 100351 are minimal and will not adversely affect Ballymore's ability to comply with the ML Code conditions.

Exploration activities conducted on ML 10340, ML 10341 and MLA 100351 to date have defined a resource expected to contain approximately 300,000 tonnes of gold, copper, and silver bearing ore. Results to date have provided a non- JORC compliant resource as outlined below:

Table 1 - Non JORC Compliant Indicative Resource from Drill Assays Received to Date

Au Cut-Off	Tonnes	Au /gt	Au Oz
All	517,664	4.49	74,718
1.0	442,376	5.19	73,824
2.0	284,773	7.09	64,956
3.0	251,900	5.48	44,400
5.0	55,739	20.44	36,624
10.0	55,739	20.44	36,624

These results are very preliminary but highlight the potential with continued drilling that a significant mining operation could occur within this Project area.

Figure 1 below is a locality sketch showing the location of the Dittmer Project,

Figure 2 below is a sketch showing the location of the existing Dittmer Project tenements, including the Dittmer Extended MLA.

Figure 3 below is a survey plan showing the external boundaries and the defined access for the Dittmer Extended MLA.

Figure 4 below is the initial mine plan for the Dittmer Extended MLA.

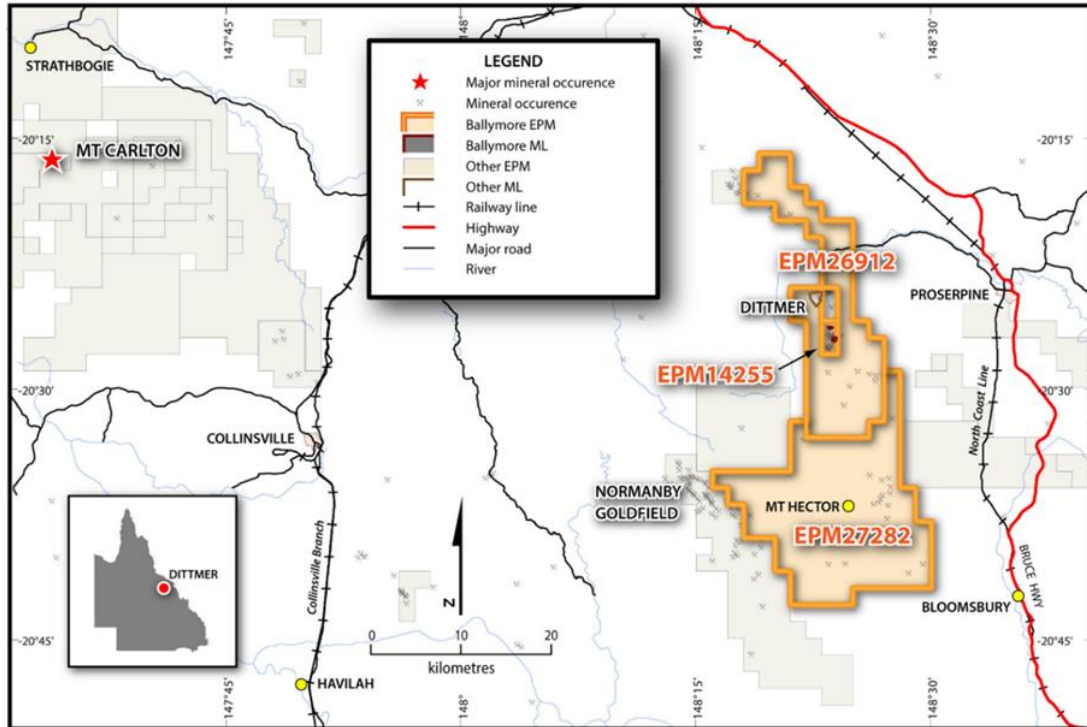


Figure 1 – Locality Sketch – Dittmer Project

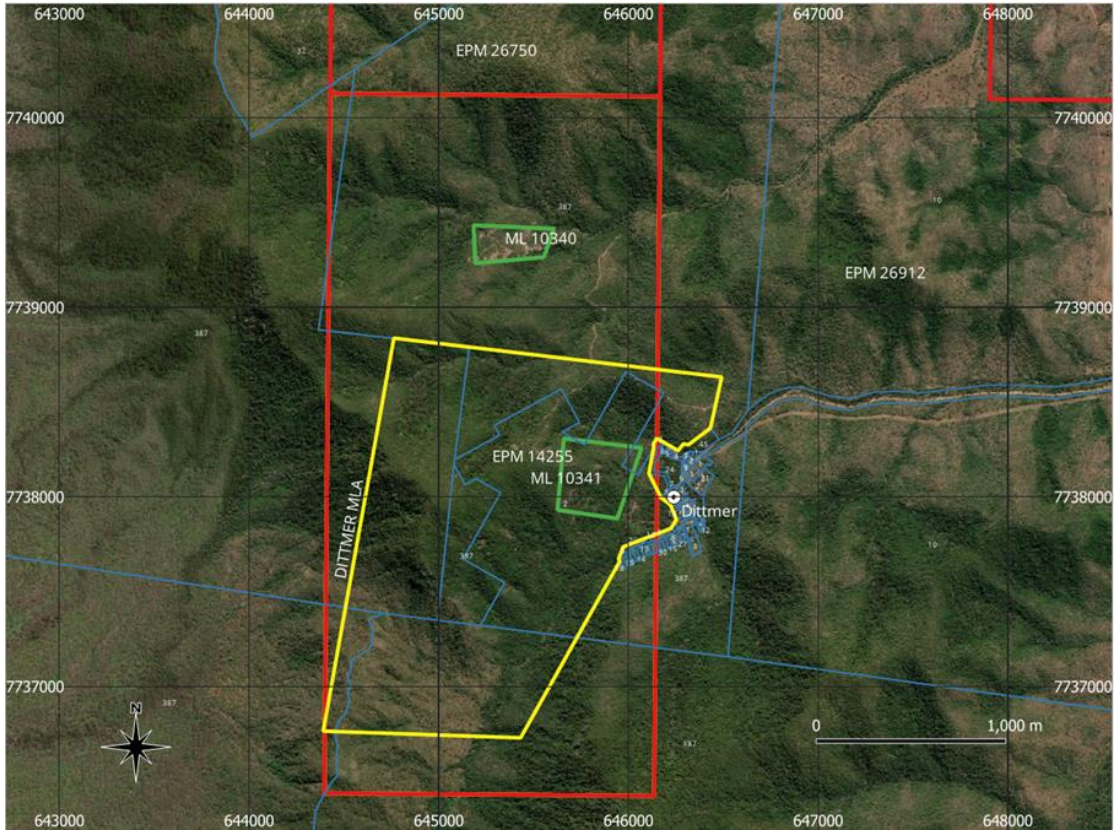


Figure 2 – Location of existing Dittmer Project tenements in Proximity to the MLA

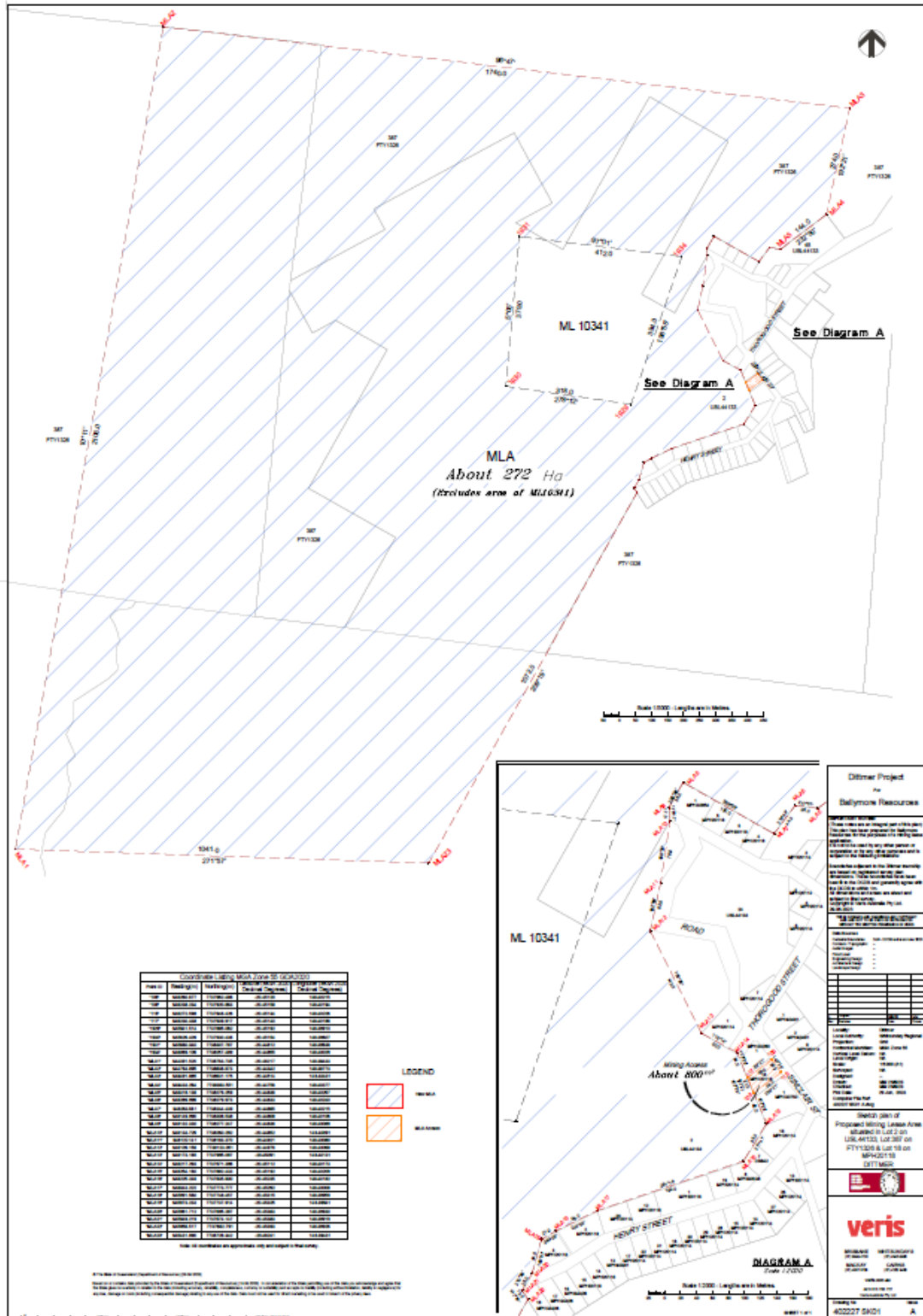


Figure 3 – Survey plan showing the external boundaries and access for the Dittmer Extended MLA.

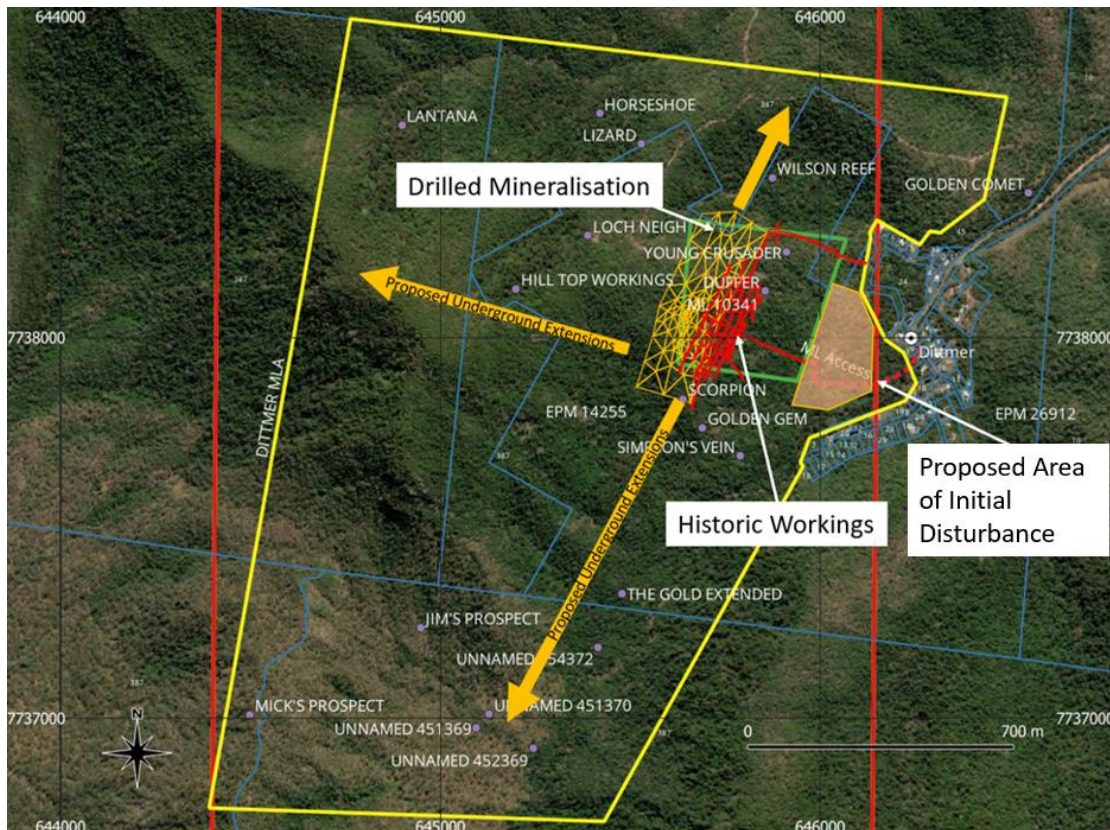


Figure 4 – Preliminary Mine Plan for the Dittmer Project MLA.

It is understood that the amendment in question is a minor amendment for the following reasons: -

- The amendment will not result in any significant additional negative impact on the environmental values of the land in question. The EA holder will comply with current conditions of EPSL00460513 and the ML Code.

The EA holder will comply with all conditions of the current EA. As such the proposed amendment to the EA will have no significant adverse impact on the current environmental values of the EA.

2 EA Amendment assessment criteria

In this case the holder has elected to amend environmental authority EPSL00460513 to include the new mining lease application (MLA 100351). **Ballymore confirms that when conducting the proposed mining activities on ML's 10340, 10341 and MLA 100351 they will comply with all current conditions of the existing EA, including all terms and conditions of the ML Code.**

With respect to the proposed amendment application and MLA 100351, an assessment of the likely impact on the environmental values and waste management practices is described below.

3 Affected environmental values.

3.1 Description of environmental values affected.

Air

The EA Amendment will not have an adverse impact on the Air Quality. Ballymore will comply with the conditions relating to existing EPSL00460513 and the ML Code.

Mining activities typically have relatively short-term limited impact in terms of the emissions of particulate matter, odours, and dust.

Modern engines have emission controls in place which limit the emission of contaminants into the environment.

The proposed operations will result in the generation of additional dust. Dust generation will be limited due to the underground extraction techniques used and at this point, there are no plans for a surface-based crushing unit. Some dust generation will occur in the truck loading and road hauling operations; however, this can be easily managed via traditional dust suppression techniques such as ore/haul road watering and covering the haul trucks prior to transport. Given the fact that only minor additional surface disturbances are proposed as a result of the inclusion of MLA 100351 to the project, no significant additional adverse impact is expected on the air quality for the project operations.

Land and Land Use

The EA Amendment will not have a significant adverse impact on Land Disturbance within the proposed mining area. Ballymore will comply with relevant conditions of the current EA to minimise disturbance to land and vegetation. This includes the requirement to limit the maximum area of disturbance at any one time to less than 10Ha.

Due to the underground extraction technique used for the project, the area of surface disturbance is reduced significantly. The grant of MLA 100351 to the project EA will only result in minor additional surface area disturbances to those already required for existing ML's 10340 and 10341. In any event, total surface area disturbances are expected to be below the maximum 10Ha disturbance limit detailed in the ML Code.

Waste

The EA Amendment will not have a significant adverse impact on the existing environmental values due to waste generated by the proposed mining operation.

The proposed activities will produce minor quantities of domestic waste, which will be removed from site and disposed of at an approved municipal facility. Ballymore will comply with all conditions of environmental authority to ensure compliance with the relevant waste management conditions of the ML Code with respect to MLA 100351 and the greater project area.

Some minor amounts of waste rock will be produced by the proposed operations; however, it is expected that this waste will be used as backfill in the underground mine voids.

Water / Ground water

The proposed EA Amendment will not have an adverse impact on surface or ground water values. The resource will be removed via standard underground techniques, thereby minimising surface area disturbances. As per the conditions of the ML Code,

Ballymore will divert all clean stormwater away from the disturbed surface areas and will capture all stormwater runoff from the disturbed surface areas. Ballymore will comply with all conditions of EPSL00460513 to ensure the proposed mining activities result in negligible impact to existing surface water and ground water values.

Noise

The EA Amendment will not have an adverse impact on existing noise values within the project area. Ballymore will comply with all relevant conditions of the Eligibility Criteria to ensure noise generated by the activity will not cause environmental harm to any sensitive place or commercial place.

3.2 Details of the emissions on releases likely to be generated.

As detailed above, the grant of MLA 100351 will result in a negligible increased impact on the existing environmental values for the project due to the nature of the underground extraction technique. MLA 100351 has only been applied for to secure additional identified gold resources. Only minimal additional surface disturbances will be required for the project as a result of the grant of MLA 100351 and in some cases, such as surface water management, these additional disturbances will actually result in an improvement in the environmental values for the project.

The following paragraphs provides details of the likely emissions or releases generated by the proposed mining activities on MLA 100351.

The proposed mining activities are likely to result in the following temporary emission increases: -

- A temporary increase in the generation of dust at the surface disturbance areas which will include the ore loading area. These increases will be temporary while loading operations are being undertaken and will be minimised via the use of appropriate water suppression systems and haul road watering.
- The proposed mining activity will result in a temporary degradation to the landform and land use of small sections of MLA 100351. Where possible, progressive rehabilitation will be conducted. Upon completion of all mining activities, final rehabilitation works will be completed. Ballymore expects to be able to return all disturbed areas to identical land use and land capability as the pre-disturbance use/capability.
- The activities in question should have a minimal impact of surface and ground water quality. Erosion/sediment control structures will be installed as necessary to minimise erosion/runoff in disturbed areas. All clean stormwater will be diverted around disturbed areas and all stormwater runoff from disturbed areas and groundwater from underground operations will be diverted or pumped to settlement ponds or non-referable, nonhazardous waste dams for subsequent use in dust suppression and works or recycled for underground use. Water requirements for the operation will be limited to underground use, and dust suppression activities only which will be obtained from the on-site storage facilities and in accordance with Note 36 of the ML Code.
- The proposed activities will result in a temporary increase in noise levels at the relevant location while the activities are being completed. The nearest noise sensitive location is approximately 150m to the east of the nearest surface disturbance. The existing vegetation and topography, between the mining

operations and the nearby residences provide a natural noise buffer. Compliance with all relevant conditions of the ML Code in conjunction with the additional management strategies detailed above should ensure negligible impact to any noise sensitive place. In any event, noise impacts on the nearby residences will be monitored via a complaints register. Upon receipt of a complaint, it will be investigated by the EA holder and if applicable, additional noise minimisation strategies will be implemented. The results of the review will be communicated with the person lodging the complaint and followed up after an appropriate period to determine success of the revised mitigation strategies.

3.3 Description of the task and likely magnitude of impacts on the environmental values

The identified gold resources for the project will be extracted via traditional underground techniques. The initial extracted ore will be treated off site via a toll arrangement by a third party. This will significantly reduce the environmental impact on the site during initial operations. During subsequent years of production and further resource definition, an onsite processing facility may be constructed and be included, however, any such change will require a further EA amendment which will convert the current code-compliant EA to a site-specific EA.

Given that the operation will involve underground extraction, the actual additional surface disturbances created due to mining activities conducted under the authority of MLA 100351 are expected to be restricted to a small area abutting the eastern boundary of ML 10341. Reference to the Mine Plan in Figure 4 shows the location of the expected infrastructure and surface disturbances within MLA 100351. While the majority of the surface disturbances on MLA 100351 are likely to be restricted to this area, minor additional surface disturbances may also occur throughout the remaining surface area, however, these disturbances are expected to be limited to potential surface drill sites and/or ventilation shafts.

In short, the nature of the proposed operations for the project are such that the granting of the Dittmer Extended MLA will not result in any significant increase to the environmental impact over that which is already approved for the existing EA.

4 Management practices prepared to be implemented.

Air

- Minimise the generation of dust;
 - By watering haul roads and installing appropriate dust suppression sprays (if necessary) around the ore loading site.
- scheduling activities for times when they will have least impact;
 - Limit the operations of haul trucks to off-peak and off-school bus times.
- Use stormwater for dust suppression works;
- revegetating disturbed areas as soon as practicable;
- leaving or creating wind breaks or screening; and
- ensure appropriate mufflers and pollution control equipment is installed on all surface and underground machinery;
- Comply with all conditions of the ML Code that relate to Air.

Noise

- construct and maintain noise barriers and enclosures around noisy equipment or along the noise transmission path (if necessary);

- provide and maintain low noise equipment;
- repair or replace defective mufflers of vehicles and plant with suitable effective mufflers; and
- limit the hours of operation of the project to between the hours of 7am to 6pm Monday to Saturday.
- Monitor success of noise limitation strategies via noise complaints register.
- Comply with all conditions of the ML Code that relate to Noise.

Land

- Prevent the spread of declared plants by washing down all vehicles and machinery entering the site.
- Install and maintain appropriate stormwater and erosion control structures on disturbed areas.
- Rehabilitation works will include the installation of appropriate erosion control structures to ensure the landform remains stable while re-generation occurs.
- Any vegetation removed from areas to be disturbed will be re-spread along with an appropriate seed mix to assist in regeneration of the disturbed site.
- Monitoring of regeneration within the rehabilitation areas will occur on a regular basis to ensure acceptable regeneration is occurring to permanently stabilise the sites.
- Comply with all conditions of the ML Code that relate to Land.

Waste

- Minimise waste generation;
- recycle waste;
- Re-use wastewater (stormwater) in dust suppression works;
- Use waste rock (overburden) in rehabilitation works;
- Dispose of domestic waste in an approved municipal waste facility;
- Dispose of the nominal waste rock produced by using it as backfill in the underground mining voids;
- Comply with all conditions of the ML Code that relate to Waste.

Water/Groundwater

- Ensure that there is adequate erosion protection in disturbance and rehabilitation areas prior to the onset of the wet season;
- Design, install and maintain adequate erosion and sediment control structures wherever necessary to prevent or minimise erosion of disturbed areas and the sedimentation of any watercourse, waterway, wetland, or lake;
- Ensure that the area and duration of disturbance to land, vegetation and watercourses is minimised where possible;
- Recycle all wastewater (stormwater and groundwater) in the dust suppression and underground works;
- Comply with all conditions of the ML Code that relate to water/groundwater.

Compliance with all relevant conditions of the ML Code along with the additional rehabilitation activities detailed above will ensure minimal impact on the existing environmental values within MLA 100351.

5 Details of proposed rehabilitation procedures

All rehabilitation works conducted on the Dittmer project will comply with all relevant conditions of the ML Code. The following points summarise the proposed rehabilitation works: -

- Where possible, progressive rehabilitation of the surface disturbances will occur.
- The minimal waste rock produced by the extraction activities will be used as back-fill for the underground excavations.
- Initial rehabilitation of the surface disturbances will involve the removal of any infrastructure, followed by re-contouring of the disturbance. Appropriate erosion control structures will be installed. Stockpiled topsoil will be re-spread, along with stockpiled vegetation. Appropriate seed mix will then be sown to assist with re-generation.
- The rehabilitation area will be monitored to ensure re-generation is successful. Where necessary, re-seeding will occur as required until re-generation is successful.

6 Conclusions

Ballymore believe that the information provided in this amended additional information document has provided adequate information to DES to assess the risk and impacts to environmental values to process and accept the EA amendment application in question.

If any further information is required, please contact Mr Brian Martin, Director of Hetherington Exploration and Mining Title Services (QLD) Pty Ltd at brian@hemtsqld.com.au.