



*'The Council and Staff of the Shire of Boddington, in partnership with the community,
are committed to operating effectively and efficiently to provide quality lifestyle
opportunities
that encourage population growth and development'*

MINUTES

For The
Ordinary Meeting of Council
Held At

5PM, TUESDAY 16 AUGUST 2016

Council Chambers
39 Bannister Rd, Boddington

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1. DECLARATION OF OPENING:

The Shire President, Cr Allert declared the meeting open at 5:00pm.

2. ATTENDANCE/APOLOGIES/LEAVE OF ABSENCE:

2.1.1 Attendance

Cr J Allert	President
Cr N Crilly	
Cr E Hoek	
Cr T Collins	
Cr S Manez	
Cr D Smart	

Mr C Littlemore	Chief Executive Officer
Mr G Bartle	Director of Corporate & Community Services
Mr J Rendell	Manager Financial Services
Ms T Bryant	Executive Assistant

5 members of the public attended the meeting.

2.1.2 Apologies

Cr M Glynn	Deputy Shire President
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2.1.3 Leave of Absence

Nil

3. DISCLOSURE OF FINANCIAL INTEREST:

Cr Hoek declared a Financial Interest in Item 8.1.1 as she is joint owner of the property adjoining South 32's property on Harvey-Quindanning Road, Boddington.

Cr Collins declared a Financial Interest in Item 8.1.1 as her partner works for South 32.

Cr Collins declared an Interest Affecting Impartiality in Item 8.5.4 in that she is the patron of the Swimming Club.

Cr Collins declared a Financial Interest in Item 11.1.1 in that it is a Confidential Item for the sale of a house at 25 Johnstone Street, and she is a Real Estate Agent in Boddington.

4. PUBLIC QUESTION TIME:

4.1 RESPONSE TO PREVIOUS QUESTIONS TAKEN ON NOTICE:

Question asked at the Council Meeting Tuesday 19 July 2016

Ms Julie Goodgame: How much money has been paid in interest on the Recreation Centre loan so far?

Shire President: Needs to be taken on notice.

Reply by Manager Financial Services

I can confirm that the loan was taken out in March 2015 and to June 2016 \$42,500 in interest has been paid.

The \$1M has been invested and income of approx. \$18,000 has been earned to offset against the expense.

4.2 WRITTEN QUESTIONS PROVIDED IN ADVANCE:

Nil

4.3 PUBLIC QUESTIONS FROM THE GALLERY:

Ms Julie Goodgame asked the following question:

I wonder what the feeling of Council is about the expenditure of those funds in interests when to date we already had money in the trust account to start works on the Recreation Centre, and also I believe the grant money is sitting in the Shire's bank account. Seems to me an absolutely unnecessary expense and I wonder how you as President feel.

President Cr Allert replied - What is exactly your question?

Ms Goodgame – I'm wondering how you feel about the wasted expense.

President: - Seeing as you've addressed it directly to me I feel a little bit like horses for courses. We pay a man here quite a bit of money to do the finances and we have a CEO to manage these things. Every time I have questioned either one of them there has always been a fair answer for it.

Ms Goodgame: - So do you have a fair answer for that Mr President?

President: - My answer as I've said I leave those matters to the Finance Manager and the CEO.

Mrs Goodgame: - In February of this year I asked if the Shire would be forming some sort of group of members from the community to be included in the decision making of the Recreation Centre. I asked this question again in May, and it is now August.

Cr Manez replied: That this subject was brought up in the last Councillor Information session with Cr Smart and myself waiting for the CEO to get back. At this stage it hasn't been done yet. As soon as this is done I'll get back to you.

5. PETITIONS/DEPUTATIONS/PRESENTATIONS/
SUBMISSIONS:

Nil

6. CONFIRMATION OF MINUTES:

6.1.1	Ordinary Meeting of Council held on Tuesday 19 July 2016
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COUNCIL RESOLUTION	59/16	Moved Cr Crilly
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That the minutes of the Ordinary Meeting of Council held on Tuesday 19 July 2016 be confirmed as a true record of proceedings.

Seconded	Cr Smart	Carried	6/0
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7. ANNOUNCEMENTS BY PRESIDING MEMBER WITHOUT
DISCUSSION:

Nil

Cr Hoek declared a Financial Interest in Item 8.1.1 as she is joint owner of the property adjoining South 32's property on Harvey-Quindanning Road, Boddington and left Chambers at 5:08pm.

Cr Collins declared a Financial Interest in Item 8.1.1 as her partner works for South 32 and left Chambers at 5:08pm.

8. REPORTS OF OFFICERS AND COMMITTEES:

8.1 PLANNING CONSULTANT:

8.1.1 Development Application for Bauxite Mining: Lots 66, 137, 159 & 230 Farmers Avenue and Robbins Road, Boddington

Location:	Lots 66, 137, 159 and 230 Farmers Avenue and Robbins Road, Boddington
Applicant:	South 32 Worsley Alumina Pty Ltd
File Ref. No:	A75
Disclosure of Interest:	Nil
Date:	3 August 2016
Author:	Steve Thompson
Attachments:	8.1.1A Location plan 8.1.1B Letter from applicant 8.1.1C Private land provisions 8.1.1D Other information provided by applicant 8.1.1E Submissions 8.1.1F Restoration principles

Summary

A Development Application seeking approval for bauxite mining on Lots 66, 137, 159 and 230 Farmers Avenue and Robbins Road is recommended for conditional approval.

Background

The applicant seeks development approval for bauxite mining on the site shown in Attachment 8.1.1A. Details submitted by the applicant are set out in Attachments 8.1.1B, 8.1.1C and 8.1.1D. This provides background information which is generally not repeated in this report.

The site is largely cleared, it contains a range of slopes, there is a seasonal watercourse in the eastern section near Robbins Road, and the site is mainly used for grazing purposes.

Mr Ray Farmer owns the subject land and a number of adjoining/nearby titles. Mr Farmers' family have owned the land since original European settlement.

The proposal

The proposal is to carry out mining activities within 'Minerals to Owner' freehold land, where the rights to non-royal metals (including bauxite) are retained by the owner, and which is not governed by the *Mining Act 1978* or the *Alumina Refinery (Worsley) Agreement Act 1973* (State Agreement).

The bauxite mining operations are proposed to be undertaken in a similar manner to Worsley's nearby operations. This includes bulk earthworks (stripping, waste removal, haul road construction etc.), environmental management, monitoring and rehabilitation. The mining proposal will occur in accordance with a range of legislation along with requirements from different State Government agencies.

This includes:

- Department of Mines and Petroleum guidelines which outlines the existing environment, proposed mining operations, environmental impacts and management, social impact and a mine closure plan;
- *Environmental Protection Act 1986* and associated regulations;
- environmental approval from the Minister for the Environment;
- Annual Environmental Reports;
- annual Plan of Bauxite Mining Operations (10 Year Plan); and
- *Mines Safety and Inspection Act 1994*.

'Mineral to Owner' land is freehold land that has been alienated from the Crown prior to 1899 and the rights to non-royal metals (including bauxite) were conveyed to the land owner. Information relating to Minerals to Owner is outlined in Attachment 8.1.1C.

Advertising the Development Application

The Shire administration invited public comment on the Development Application for a six week period through writing to adjoining/nearby landowners, community groups and wide ranging State Government agencies, placing details on the Shire website and having details available at the Shire office.

The Shire received four submissions, all raising no objection, on the Development Application and these are provided in Attachment 8.1.1E. The main issues raised in the submissions relate to Aboriginal heritage, potential mining impacts on the seasonal watercourse and associated sedimentation transfer to the Hotham River, and the statutory definition of the proposed use in relation to relevant legislation and regulations. Comments from other sections of the Shire administration related to possible noise and dust impacts.

In accordance with standard practice, the Shire administration provided the applicant with copies of the submissions. The Shire administration has liaised with the applicant to gain additional advice relating to the proposed mining including hours of operation, the length of mining operation on the application site and restoration principles. Details relating to Worsley's restoration principles are outlined in Attachment 8.1.1F.

Planning context

The site is zoned 'Rural' in the *Shire of Boddington Local Planning Scheme No. 2* (LPS2). Mining proposals are generally not determined through Development Applications and accordingly bauxite mining is not listed in LPS2. Accordingly, the use is best described as a 'use not listed' as set out in clause 3.2.4 of LPS2.

By way of comparison, 'Industry- Extractive' is a 'SA' use in the Rural Zone (means that the use is not permitted unless the Council has granted development approval after advertising the application for comment). 'Industry – Extractive' is defined in LPS2 as:

'Industry - Extractive: - means an industry which involves:

- a. the extraction of sand, gravel, clay, turf, soil, rock, stone, minerals, or similar substance from the land, and also includes the management of products from any of those materials when the manufacture is carried out on the land from which any of the materials so used is extracted, or on land adjacent thereto, and the storage of such materials or products;
- b. the production of salt by the evaporation of salt water.'

Key components of the *Shire of Boddington Local Planning Strategy* (LPS) that relate to the application site and bauxite mining include:

- the site is located within the Lower Valley Precinct and included within the 1200 metre bauxite mining buffer;
- an objective of the Lower Valley Precinct is to 'Maintain the primary use of the land for agricultural purposes and in a manner which will not jeopardise the opportunity for exploration of this strategically important area for gold and bauxite extraction'; (page 40);
- the site is classified as 'Rural' and not for rural living purposes such as rural residential or rural smallholding; and
- an LPS aim relating to mining includes 'To maximise the local benefit of mining activities that occur within the Shire' (page 29).

There are various additional planning policies and environmental documents relevant to the application. Some of these include the Western Australian Planning Commission (WAPC) *State Planning Policy 4.1 State Industrial Buffer Policy*, *State Planning Policy 4.1 Amended Draft Industrial Buffer Policy*, Environmental Protection Authority *Guidance Statement No. 33 - Environmental Guidance for Planning and Development*, draft *Shire of Boddington Local Planning Scheme No. 3* and draft *Shire of Boddington LPS*.

Part of the application site is classified as a bushfire prone area as set out at <https://maps.slip.wa.gov.au/landgate/bushfireprone/>.

The site is outside of the study area of the *Boddington Floodplain Management Study* which ceases at Farmers Avenue. While noting this, it is clear that the floodplain associated with the 100 year average recurrence interval (ARI) event extends into a portion of the north-east section based on information set out in the associated Flood Modelling Report.

The WAPC has recently 'certified' the draft LPS and it will be shortly advertised for community and stakeholder. This is part will show an expansion of the mining buffer in various parts of the district to include known mineral resources. The Department of Mines and Petroleum recommend that the buffer area of 1200 metres be maintained around known bauxite resources.

Comment

A) Overview

It is recommended that Council approve the Development Application subject to conditions. This follows assessment against LPS2, the LPS, relevant State Government documents, considering the views of the submitters and other available information. It is noted, for instance, that:

- limited clearing of native vegetation is proposed;
- mining is a well-established use in the locality and the area was identified many years ago for future bauxite mining;
- the landowner owns considerable adjoining/nearby land;
- the site will remain as rural for the longer term;
- the site is not located on a tourist route;
- no objections were received on the Development Application;
- the mining will occur in accordance with a range of legislation and requirements from various State Government agencies; and
- the proposed extension of the haul road assists to separate public traffic from mining traffic.

While noting the above, there are various issues associated with the mining proposal which should be considered by the Council in determining the Development Application. Some of these issues are outlined below. Given the proposed mining will occur in accordance with a range of legislation and requirements from various State Government agencies, the recommended development conditions generally seek to not duplicate requirements from other agencies.

B) Social impacts

No objections were received from the community or from other stakeholders on this Development Application. While noting this, the proposed mining will be on the northern side of the hill and closer to the Boddington townsite than previous mining. The Shire is aware of verbal concerns from various residents, including in the Hotham Heights Estate, relating to existing noise impacts. Proposed mining north of the hill, and the associated haulage road, raise the potential for greater noise and dust impacts if the mining operations are not effectively managed by Worsley.

Noise and dust issues relating to Worsley's mining operations are overseen by relevant State Government agencies which are supported by legislation such as the *Environmental Protection (Noise) Regulations 1997*. There are also opportunities for Worsley to retain vegetation where possible, to undertake additional planting (which may assist to attenuate some noise and dust) and to strive to maintain industry best practice to minimise impacts.

No details were initially provided by the applicant regarding operating hours. Worsley recently has advised that operating hours in other areas are managed in accordance with the *Environmental Protection (Noise) Regulations 1997*. Any noise breaches will be addressed by relevant State Government agencies.

C) Managing surface water and water quality

As previously mentioned, the site contains a seasonal watercourse in the eastern section near Robbins Road which is impacted by flooding in major flood events. The site is also approximately 500 metres from the Hotham River and the site contains a range of slopes. Accordingly, there is a need to minimise or prevent environmental harm through ensuring drainage/run-off is appropriately designed and controlled. This can be achieved through various measures including drainage control, perimeter drains and locating topsoil stockpiles outside of the floodplain.

The Boddington River Action Group in part advised:

'Any mining and/or access activities do not impinge on the natural seasonal water course (Broombush Gully) flowing through Lot 230 and the extreme north east corner of Lot 159. These activities have the potential to cause sedimentation transfer to the Hotham River if the water course is not protected.'

Worsley have recently provided the following advice relating to managing surface water:

'Current site operating procedures and practices ensure we manage operations (including activities with the application area) to contain all surface water runoff within the disturbance extents of the mining pit – this includes establishment of perimeter drains, catchment sumps along haul roads, and management of water within the mining voids. Establishment of any drainage structures or bypass drains outside of approved clearing boundaries, are not currently authorised in accordance with the EP Act.'

It is suggested that conditions are included regarding retaining surface water within disturbance extents of the mining pit along with conserving vegetation bordering the seasonal watercourse.

D) Visual impact, replanting and rehabilitation

While noting that the locality is within a well-established mining area, there will be visual impacts associated with mining on this site. As noted above, there are opportunities for Worsley to plant vegetation. This has the potential to minimise landscape character impacts, assist to address noise and dust impacts and to promote water quality.

In terms of planting associated with visual impact, it is suggested that Worsley consider planting near the Farmers Avenue/Robbins Road intersection and along Robbins Road adjoining the application site. There are also opportunities to retain native vegetation where possible and practical in other parts of the site.

Worsley have recently provided the following advice:

'Worsley are currently obligated under the *Alumina Refinery (Worsley) Agreement Act 1973* to restore private land to the same land type (ie. Pasture, Woodland Pasture or Forest) proportions that existed prior to mining disturbance and in accordance with Agreements established with the landowner. The final restoration plan – including locations of vegetation type are approved by the landowner. In addition, the final rehabilitation and hand back processes to the land owner is reviewed and approved by the Worsley Environmental Management Liaison Group (government regulators – terms of reference included in the Development Application).'

Worsley is experienced in rehabilitating mined areas with restoration based on the principles set out in Attachment 8.1.1F. It is suggested that a condition is included regarding the site being appropriately restored prior to 16 August 2026.

E) Aboriginal heritage

As set out in Attachment 8.1.1E, the Department of Aboriginal Affairs advise that there is an Aboriginal place within the subject area. The Department recommend that the applicant

undertake a due diligence risk assessment of the proposed works in relation to Aboriginal heritage. It is understood that Worsley have commenced addressing this matter.

F) On-going management and safety

The applicant and any sub-contractors will need to address on-going management and safety. This includes restricting access to unauthorised persons during the extraction and rehabilitation of the area such as through fencing, gates and signage.

G) Length of Development Approval

It is recommended that development approval be issued for a period of 10 years rather than an 'opened ended' approval period. It is suggested this provides long term certainty for Worsley, along with the opportunity for the Council and the Shire administration to review the effectiveness of the operation and associated impacts. If required, Worsley can reapply to extend the bauxite mining operation through submitting and gaining approval to a future Development Application.

Strategic Implications

Bauxite is an important resource of district and State significance.

Statutory Environment

Includes the *Planning and Development Act 2005*, *Environmental Protection Act 1986* and LPS2.

Policy Implications

There are no planning policy implications at this stage.

Financial Implications

All costs associated with the mining operation will be borne by Worsley.

Should the applicant be aggrieved by Council's decision, the applicant may seek a review of that decision or conditions through the State Administrative Tribunal.

Economic Implications

Approval and implementation of the mining proposal will assist to create direct and indirect employment and assist to increase monies spent locally.

Social Implications

No adjoining/nearby landowners, community groups or government agencies have raised objections on the Development Application. While noting this, the site's proximity to the Boddington townsite raises considerations including noise, dust and visual impacts. There is also a need for Worsley to suitably address Aboriginal heritage.

Environmental Considerations

The Development Application raises various environmental considerations, as outlined in this report and in the attachments. Mining operated by Worsley has and will continue to be managed by State Government agencies. It is suggested that environmental impacts can be appropriately managed if Worsley complies on an on-going basis with relevant legislation/regulations, the development conditions, and adopts best management practices including for drainage and restoration.

Consultation

Consultation was recently undertaken by the Shire administration seeking landowner and stakeholder comment. Considering that no objection was received, it can only be assumed that there is overall community acceptance of the proposal.

Options

The Council can:

1. approve the Development Application with no conditions;
2. approve the Development Application with conditions;
3. refuse the Development Application; or
4. defer and request additional information.

Voting Requirements

Simple Majority

OFFICER RECOMMENDATION – ITEM 8.1.1
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MOTION

That Council approve the Development Application for bauxite mining on Lots 66, 137, 159 and 230 Farmers Avenue and Robbins Road, Boddington, subject to the following conditions:

1. The development hereby approved must be carried out in accordance with the plans submitted with the application, addressing all conditions, or otherwise amended by the local government and shown on the approved plan and these shall not be altered and/or modified without the prior knowledge and written consent of the local government.
2. This development approval is valid until 16 August 2026 after which date the use shall cease unless prior to that date a new Development Application has been submitted to and approved by the local government for the continuation of the use for an extended period.
3. Vegetation bordering the seasonal watercourse in the north-east section of the site is conserved.

4. Measures shall be taken to minimise the amount of dust pollution associated with the operation, such as watering active haulage roads to minimise wheel borne generation of dust.
5. All surface water run-off is to be retained within the disturbance extents of the mining pit.
6. The site is appropriately restored prior to 16 August 2026.

Advice

- A) The level of noise emanating from the mining operations should not exceed that prescribed in the *Environmental Protection Act 1986* and the *Environmental Protection (Noise) Regulations 1997*.
- B) The applicant is advised to liaise with the Department of Aboriginal Affairs regarding Aboriginal heritage issues and obligations under the *Aboriginal Heritage Act 1972*.
- C) The applicant/operator is required to also ensure that other legislative requirements are met.
- D) The local government encourages the operator to:
 - (i) maintain a complaints management system and report any environmental incident promptly to the Department of Environment Regulation and the Department of Mines and Petroleum;
 - (ii) undertake planting near the Farmers Avenue/Robbins Road intersection and along Robbins Road, bordering the application site, to assist in minimising visual impacts; and
 - (iii) seek agreement with the landowner to undertake appropriate replanting of native vegetation, bordering the seasonal watercourse in the north-east section of the site, along with establishing fencing.
- E) If the applicant is aggrieved by this determination there is a right of review by the State Administrative Tribunal in accordance with the *Planning and Development Act 2005* Part 14. An application must be made within 28 days of the determination.

AMENDMENT

Moved Cr Crilly

Seconded Cr Smart

Carried 4/0

To add Points 7 and 8 to the Resolution.

7. Due to the mining in close proximity to the townsite, dust and noise monitoring needs to be strictly done.
8. Potential damage to housing through blasting operations needs to be assessed by a structural engineer prior to mining operations.

The AMENDMENT became the MOTION

COUNCIL RESOLUTION

60/16

Moved Cr Crilly

That Council approve the Development Application for bauxite mining on Lots 66, 137, 159 and 230 Farmers Avenue and Robbins Road, Boddington, subject to the following conditions:

1. The development hereby approved must be carried out in accordance with the plans submitted with the application, addressing all conditions, or otherwise amended by the local government and shown on the approved plan and these shall not be altered and/or modified without the prior knowledge and written consent of the local government.
2. This development approval is valid until 16 August 2026 after which date the use shall cease unless prior to that date a new Development Application has been submitted to and approved by the local government for the continuation of the use for an extended period.
3. Vegetation bordering the seasonal watercourse in the north-east section of the site is conserved.
4. Measures shall be taken to minimise the amount of dust pollution associated with the operation, such as watering active haulage roads to minimise wheel borne generation of dust.
5. All surface water run-off is to be retained within the disturbance extents of the mining pit.
6. The site is appropriately restored prior to 16 August 2026.
7. Due to the mining in close proximity to the townsite, dust noise monitoring needs to be strictly done.
8. Potential damage to housing through blasting operations needs to be assessed by a structural engineer prior to mining operations.

Advice

- F) The level of noise emanating from the mining operations should not exceed that prescribed in the *Environmental Protection Act 1986* and the *Environmental Protection (Noise) Regulations 1997*.
- G) The applicant is advised to liaise with the Department of Aboriginal Affairs regarding Aboriginal heritage issues and obligations under the *Aboriginal Heritage Act 1972*.
- H) The applicant/operator is required to also ensure that other legislative requirements are met.
- I) The local government encourages the operator to:

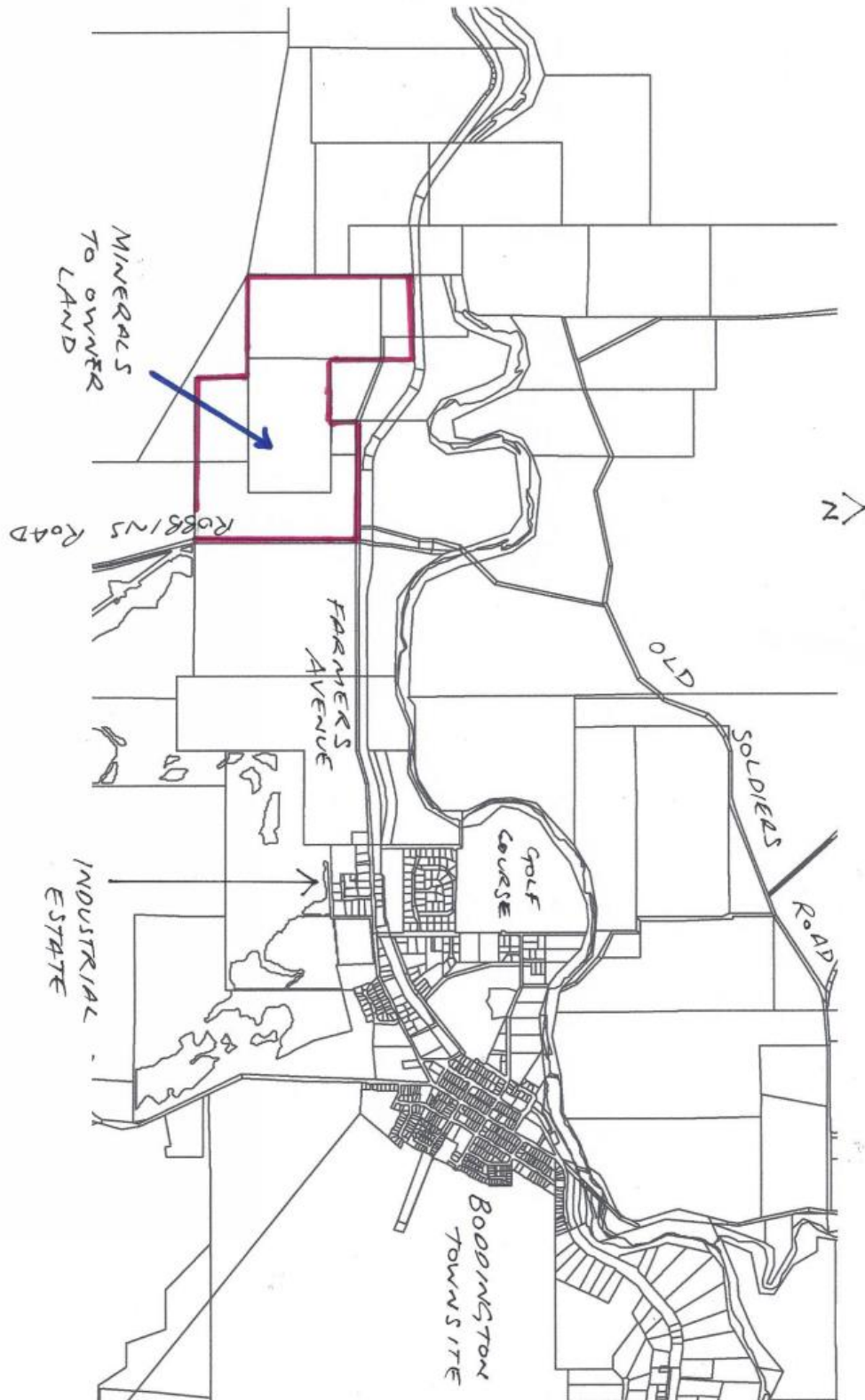
- (iv) maintain a complaints management system and report any environmental incident promptly to the Department of Environment Regulation and the Department of Mines and Petroleum;
 - (v) undertake planting near the Farmers Avenue/Robbins Road intersection and along Robbins Road, bordering the application site, to assist in minimising visual impacts; and
 - (vi) seek agreement with the landowner to undertake appropriate replanting of native vegetation, bordering the seasonal watercourse in the north-east section of the site, along with establishing fencing.
- J) If the applicant is aggrieved by this determination there is a right of review by the State Administrative Tribunal in accordance with the *Planning and Development Act 2005* Part 14. An application must be made within 28 days of the determination.

Seconded

Cr Manez

Carried

4/0





Worsley Alumina

1 June 2016

Chris Littleton
Chief Executive Officer
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BODDINGTON WA 6390

records@boddington.wa.gov.au

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DELIVERED VIA EMAIL

Dear Chris

**Application for an Extractive Industries Development Approval
Mining within CR Farmer 'Minerals to Owner' Freehold Land
Worsley - Boddington Bauxite Mine**

We act for the South32 Worsley Alumina Pty Ltd ("Worsley") the agent for the Worsley Joint Venture, in which the current participants are South32 Aluminium (RAA) Pty Ltd, South32 Aluminium (Worsley) Pty Ltd, Japan Alumina Associates (Australia) Pty Ltd and Sojitz Alumina Pty Ltd, collectively referred to as the Worsley Joint Venture Partners ("JVPs").

We write to submit an Application for Extractive Industry Development Approval for Worsley to carry out mining activities within 'Minerals to Owner' freehold land ("MTO land"), where the rights to non-royal metals (including bauxite) are retained by the owner, and which is not governed by the Mining Act 1978 or the *Alumina Refinery (Worsley) Agreement Act 1973* ("State Agreement").

Planned Mining

Worsley plans to commence mining in the North Marradong area early in FY17 and, subject to the progress of all the necessary approvals, is planning to commence bulk earthworks (stripping, waste removal, haul road construction etc) in early June 2016.

The described mining will occur on Mining Leases 70/110, 70/111, 70/112, 70/113 and 70/554, granted by way of the Mining Act 1978, with the permission of the underlying freehold land owners. Several parcels of the underlying freehold land are MTO land. I refer to a map attached entitled "Minerals to Owner Areas Marradong North West Area" that shows the planned mining in respect of the location of the Mining Leases, MTO land and non-MTO freehold land.

Pursuant to Section 82A of the Mining Act, Worsley recently submitted a Mining Proposal to the Department of Mines and Petroleum ("DMP") in order to obtain written approval to commence mining within the Mining Leases.

Registered Office: Gastaldo Road Allanson Western Australia 6225 Australia
ABN 58 008 905 155 Registered in Australia

South32 Worsley Alumina Pty Ltd is the manager of the Worsley Joint Venture – Bauxite/Alumina Operations. Liability and responsibility of the Joint Ventures is several in accordance with the following schedule of participating interests: South32 Aluminium (RAA) Pty Ltd 56%, South32 Aluminium (Worsley) Pty Ltd 30%, Japan Alumina Associates (Australia) Pty Ltd 10%, Sojitz Alumina Pty Ltd 4%.

A mining proposal is prepared according to DMP guidelines and contains the details of the existing environment, proposed mining operations, the environmental impacts and management, social impact and a mine closure plan. Although there are no obligations to prepare a Mining Proposal for the mining to be conducted within the MTO areas, the location of the MTO areas related to the mining activities and disturbance has been included in the Mining Proposal for completeness, as these areas will be mined in sequence with the non MTO areas.

We provide the following link to the 'Guidelines for Mining Proposals in Western Australia' <http://www.dmp.wa.gov.au/Documents/Minerals/minerals-Mining-Proposal-Guidelines-0001.pdf> for your information and reference.

Mineral to Owner Definition

'Mineral to Owner' land is freehold land that has been alienated from the crown prior to 1899 and the rights to non-royal metals (including bauxite) were conveyed to the land owner ("MTO land"). For further information on MTO land, please refer to the attached Department of Mines and Petroleum publication entitled "Private Land Provisions" as at 2 September 2014'. An excerpt of this publication states the following:

"Past Approvals for mining minerals on pre-1899 land has generally been granted by Local Government as an Extractive Industry Licence (EIL; *Local Government Act 1995*) or Development Approval (DA; *Planning and Development Act 2005*).

A miner wishing to mine minerals other than Royal minerals located on pre-1899 land will need to negotiate an access and compensation agreement with the owner of the land (and owner of the minerals) and obtain permission either through a EIL or DA. Any significant proposal may require assessment by the Environmental Protection Authority and any mining activities will be subject to the Mines Safety and Inspection Act 1994."

Access and Compensation Agreement

On 13 August 2015 the Consent, Compensation and Restoration Agreement ("CCR Agreement") was executed by Charles Raymond Farmer ("the Owner") and Worsley, in accordance with Clause 9(a) of the State Agreement. The CCR replaces two original mining access agreements dated 9th July 1977. The CCR Agreement records, among other things, the following:

- (a) the consent of the Owner to the Bauxite Mining Activities to be carried out by Worsley on the Agreement Area;
- (b) the agreement of Worsley to pay compensation to the Owner in relation to those activities and operations;
- (c) the agreement of Worsley to restore the Owner's Land once those activities and operations are finished;
- (d) the Owner agrees that Worsley owns all of the bauxite lawfully mined from the Minerals to owner Area and consent to Worsley carrying out bauxite mining activities and operations which are ancillary to those bauxite mining activities within the Agreement Area including the Minerals to Owner Area.
- (e) "Mining Period" commences on 13 August 2015 and terminates no later than 15 years from commencement on 12 August 2030.

As the CCR Agreement contains the terms of commercial nature and aspects are therefore confidential, extracts including Worsley's commitments under the agreement are however provided.

The Owner's Land is listed on the attached CCR Agreement Schedule 1.

The Minerals to Owner Area includes Lot 137 on Deposited Plan 245766, Williams Locations 66, 70, 159 and portion of Williams Location 230. Please note that planned mining will only impact Williams Location 137 [now Lot 137 on Deposited Plan 245766], Williams Location 66 [now Lot 66 on Plan 245804], Williams Location 159 [now Lot 159 on Plan 245785] and Williams Location 230 [now Lot 230 on Plan 250630].

In order to demonstrate that each of the Owner's titles that will be impacted by mining is MTO land, we attach a table entitled "Proof of Minerals to Owner" showing the chain of title back to the first freehold title or grant. We have also included a copy of the first freehold title for each parcel of land that contains the MTO land wording "And we do hereby save and reserve to Us, Our heirs and successors, all mines of Gold, Silver, and other precious metals, in and under the said Land, with full liberty at all times to search and dig for, and carry away the same; and, for that purpose, to enter upon the said Lands or any part thereof."

The only caveats (making a claim on these titles) are those lodged on behalf of the JVPs. From this we determine that the mineral rights have not been assigned or severed from the ownership of the title. The Owner is therefore free to assign the mineral rights (in this case bauxite) to the JVPs and Worsley.

The Agreement Area, Owner's Land and Minerals to Owner Area are shown on the attached CCR Agreement Schedule 3 - Plan.

Department of State Development Approval

The JVPs were granted Mining Lease 258SA ("M258SA") under the State Agreement. The Mining Area is not located within M258SA, this being the case, Worsley sought approval from the Minister of State development pursuant to clause 27 that Worsley and JVPs may process at the refinery bauxite obtained otherwise than pursuant to the State Agreement.

Please find attached a copy of a letter date 20 January 2016 from the Premier of WA and Minister for State Development which:

- states that the proposed provisions of the CCR Agreement will ensure adequate restoration of the privately owned land following completion of proposed mining and approves the CCR agreement.
- approves the processing of bauxite obtained from land subject of the CCR Agreement at the refinery

Environmental Approval

Worsley currently operates the Worsley Bauxite Alumina Project subsequent to the State Agreement. Pursuant to the State Agreement, Worsley is required to prepare and submit an 'Annual Environmental Report' ("AER") and an annual 'Plan of Bauxite Mining Operations', commonly referred to as the "10 Year Plan". All areas that will be drilled, cleared or mined have been included in the 10 Year Plan. Both the AER and 10 Year Plan are reviewed by

members of the Environmental Management Liaison Group ("EMLG"), comprised of representatives of the following government agencies:

- Department of State Development or DSD
- Department of Mines and Petroleum or DMP
- Office of Environmental Protection Authority or oEPA
- Department of Environmental Regulation or DER
- Department of Parks and Wildlife or DPaW
- Department of Agriculture and Food WA or DAFWA
- Department of Water

In addition Worsley currently operates under Ministerial Statement 719 issued in April 2006; pursuant to this Statement mining and associated activities (including within the MTO areas) are approved under Part IV of the *Environmental Protection Act 1986*. Prior to the issue of MS719, Worsley operated under MS423 which granted approval for mining within the Primary Bauxite Area ("PBA"). The MTO area the subject of this development application is included within the PBA.

The following documentation has been attached, which demonstrates the legislative framework and relevant environmental approvals related to the bauxite mining operations within the PBA, including the proposed works that are the subject of this application:

- EMLG Terms of Reference
- The most recent Plan of Bauxite Mining Operations 2016-2025 or 10 Year Plan.
- A letter dated 22 January 2016 from the Premier of WA and Minister for State Development, advising that the EMLG is satisfied that both the AER 2014-2015 and the 10 Year Plan 2016-2025 (referred to as the Mine Plan) fulfil Worsley's requirements under the State Agreement and the Environmental Protection Act 1986.
- Office of Environmental Protection Authority Ministerial Statement 719 published on 13 April 2006 – "revised proposal to which the Reports of the Environmental Protection Authority – Bulletins 823 and 1209 relate may be implemented by Worsley subject to the conditions and procedures that apply to all mining, construction and operation within and outside the Primary Bauxite Area" pursuant to the provisions of the *Environmental Protection Act 1986*.

Mines Safety and Inspection Act 1994

Worsley Alumina's operations are governed under the *Mines Safety Inspection Act 1994* ("MSIA") and Regulations. All mining operations and associated activities are conducted in accordance with the requirements of this Act. Operations the subject of this Development Application will also be conducted in accordance with all of the requirements under the MSIA.

Fees

Please find attached remittance advice for \$739.00 which was paid into the Shire of Boddington bank account on 29 April 2016, in payment of fees associated with an Application of Extractive Industries Development Approval.

Summary of Documentation

Below is a summary of all the previously mentioned documentation that we attach to support Worsley's application for Development Approval.

- A. Completed Application for an 'Extractive Industries' Development Approval signed by land owner Mr Ray Farmer
- B. Minerals to Owner Areas Marradong North West Area' map showing planned mining in respect of tenements, non-MTO freehold and MTO land
- C. DMP publication entitled "Private Land Provisions" as at 2 September 2014
- D. CCR Agreement Schedule 1 – List of Owner's Land
- E. Proof of Minerals to Owner
- F. First issued Certificates of Title for Owner's land, proving MTO status.
 - i. Williams Location 66
 - ii. Williams Location 137
 - iii. Williams Location 159
 - iv. Williams Location 230
- G. CCR Agreement Schedule 3 - Plan of the Agreement Area.
- H. 20/01/2016 Letter from the Premier of WA and Minister for State Development regarding the CCR Agreement.
- I. EMLG Terms of Reference
- J. Plan of Bauxite Mining Operations 2016-2025 or 10 Year Plan.
- K. 22/01/2016 Letter from the Premier of WA and Minister for State Development, advising that the EMLG is satisfied that both the AER 2014-2015 and the 10 Year Plan 2016-2025
- L. Ministerial Statement 719 published on 13 April 2006
- M. Remittance Advice confirming payment of the application fee

Conclusion

Worsley's short/medium term mine plan currently includes the described mining in the north western portion of the Marradong Mining Envelope and subsequently Worsley wishes to commence mining and associated activities in this area in the immediate future. Worsley has only recently identified that an Extractive Industries Development Approval is required to mine on Minerals to Owners freehold land. Given the short lead in time, we respectfully request this application be processed in the shortest possible time frame.


We trust that we have provided enough information in order for the Shire of Boddington to consider our application and grant the required approval. Should you require any further information, please do not hesitate to contact Celia Sullivan – Specialist Land & Tenure Management on 9324 9657, Claire Reid - Manager Planning on 9734 9468 or Rochelle Jones – Superintendent Land Management & Geology on 9734 8285. We look forward to receiving advice that our application has been successful in the near future.

Yours sincerely



ALYSIA TRINGROVE
VICE PRESIDENT OF OPERATIONS - WORSLEY MINE AND MATERIALS

CC Steve Thompson
Shire of Boddington Consulting Town Planner
planning@boddington.wa.gov.au
Mobile: 0409 107 336




Government of Western Australia
Department of Mines and Petroleum
Mineral Titles

REVISÉ AS AT 2 SEPTEMBER 2014

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PRIVATE LAND PROVISIONS



Crown ownership of minerals

Except in the case of land alienated in fee simple before the 1 January, 1899 (in which case minerals other than gold, silver and precious metals are the property of the owner), all minerals are the property of the Crown.

Section 9

The following, when they occur on private land, are not minerals – limestone, rock, gravel, shale (other than oil shale), sand (other than mineral sands, silica sand or garnet sand) and clay (other than kaolin, bentonite, attapulgite or montmorillonite).

Extraction of these minerals when on private land is not governed by the *Mining Act 1978*.

Section 8

To extract or explore for other minerals on private land a mining title must be obtained from the Department of Mines and Petroleum (DMP) before any mining operations may be undertaken.

Minerals to owner land

Meaning

Minerals to owner land refers to freehold land where the mineral rights are owned by the landowner and not the Crown, [the exception being gold, silver and precious metals (the Royal metals) which are owned by the Crown].

Minerals to owner land only applies in respect to **land which was granted prior to 1899**.

Background – History on settlement

Upon settlement the law of England, both statutory and common law, applied to the colony of Western Australia (WA).

On the grant of land by the Colonial Governor, the rights conferred were determined by the common law and under that law there was a presumption that the owner of the land also owned everything on or below the surface of that land, including all minerals.

There is an exception to this presumption, the Crown held exclusive reservation to the ownership of the "Royal metals" being gold, silver and precious metals; whether situated on Crown land or private land.

PRIVATE LAND PROVISIONS

Grants made prior to 1899

The grant of land made prior to 1899 passed title to the minerals (except for the Royal metals) therefore the landowner has the right to exploit and deal with the minerals including the right to mine and sell them.

Over time some of these mineral rights to pre-1899 land may have become separated from the land, meaning the owner of the pre-1899 land and the owner of the minerals may be different, this separation can occur in two ways:

- the outright sale of the mineral rights, common law permitted title to land to be divided vertically or horizontally, for example a land owner could sell a strata of land beneath the surface containing minerals eg coal seam.
- profit a prendre – a separate grant of the rights to minerals, even a specific mineral carrying with it the right to mine and sell the minerals.

Statutory abolition of private mineral ownership

The enactment of the *Land Act 1898* enabled the colony of WA to depart from the common law practice of granting minerals with the grant of the land. The result is today:

- land held pursuant to a grant **made prior to 1 January 1899** still carries ownership of private minerals, except for the Royal metals,
- but, land held pursuant to a grant **made after 1 January 1899** does not carry ownership of any minerals. In this situation all the minerals are owned by the Crown.

Therefore the principle of the owner of land owning the minerals within it has been virtually abolished in WA except in the older settled areas of the State. The general rule is all grants of freehold title made after the 1 January 1899 provided a reservation that all minerals are reserved to the Crown (in the right of the State).

Mining tenements over pre-1899 land

Mining titles under the *WA Mining Act 1978* confers to the tenement holder the right to exploit all minerals, but where the land affected is pre-1899 land the Crown has rights only in respect to the Royal metals, and ownership to all other minerals will be held by the land owner (unless the mineral ownership has separated from the land ownership).

In such a situation, a mining tenement granted under the *Mining Act 1978* will confer on the tenement holder the right to explore for, or mine gold, silver and precious metals only but will not give any rights to exploit any other mineral.

Mining of minerals other than Royal metals on pre-1899 land

Past approvals for mining minerals on pre-1899 land has generally been granted by Local Government as an Extractive Industry Licence (EIL; *Local Government Act 1995*) or Development Approval (DA; *Planning and Development Act 2005*).

A miner wishing to mine minerals other than the Royal minerals located on pre-1899 land will need to negotiate an access and compensation agreement with the owner of the land (and owner of the minerals) and obtain permission either through a EIL or DA. Any significant proposal may require assessment by the Environment Protection Authority and any mining activity will be subject to the *Mines Safety and Inspection Act 1994*.

Importance of due diligence

It is most important when looking to carrying out mining on freehold land that due diligence is carried out, to not only identify the ownership of the land, but also who owns the minerals.

This due diligence should include undertaking a detailed land title search with LANDGATE to identify the owner of the land and ascertain whether the title to the land was granted before or after 1899.

Land grants post 1899 the Crown will own all the minerals and **land grants prior to 1899** the Crown will have rights to gold, silver and precious metals only.

PRIVATE LAND PROVISIONS

It should also be noted that this department's spatial map (TENGRAPH) does not identify the location of pre-1899 land but there is a general disclaimer alerting users to the possibility of pre-1899 land existing in certain areas of the State and therefore due diligence must be exercised.

These pre-1899 lands are concentrated in the region around Perth, extending from Busselton to Geraldton, including the former Peel Estate lands in the Mandurah-Rockingham district, another area is the Hampton Lands or East District, between Coolgardie, Kalgoorlie and Kambalda.

Bringing "mineral owned" land back under the Mining Act

There is a process in the *Mining Act 1978* (section 37) for a person to have any private land granted before 1899 brought within the operation of the Act for the purpose of mining minerals.

In summary the process will include:

- A person lodging a section 37 application with the department setting out why the minerals are in payable quantities on that land.
- The Minister may obtain a report from a geologist.
- If the Minister believes the land contains minerals in payable quantities, with the approval of the Governor by notice in the Government Gazette, he declares at the expiration of a certain period the private land shall come within the operation of the Mining Act.
- The private land owner may at any time within a specified period apply for a mining tenement over their land and the Minister may grant that tenement.
- If the land owner fails to apply for a mining tenement then the Minister may grant the person who made the section 37 application a mining tenement.

The following process chart provides more detail about this section 37 process in respect to bringing "mineral owned land" back under the *Mining Act 1978*.

Entry onto private land

Application for permit to enter

No person (except the owner in occupation of the land) may search for minerals on private land without a permit to enter which is issued by a Mining Warden.

Section 28

Form 2 is used to apply for a Permit to Enter and shall be lodged together with a map on which the private land is clearly shown and the prescribed fee per lot or location affected with a prescribed minimum.

Sections 30(1) to (4), regulation 5

Rights of permit holder

The term of a permit to enter shall not exceed 30 days, and the permit only authorises the holder (or his agent) to:

Section 30(3)

- a. enter on private land; Section 32
- b. search for minerals;
- c. detach and remove from the land samples of any vein or lode out-cropping on the surface up to an aggregate weight of 13 kilograms, unless the taking of additional samples is authorised by the owner or occupier of the land; and
- d. mark out a mining tenement, but not mine or otherwise disturb the surface.

PRIVATE LAND PROVISIONS

Where the holder of a permit to enter marks out and applies for a mining tenement on the private land concerned, the permit shall be deemed to continue in force, for the purpose only of repairing or maintaining the marks so set up and the notices posted thereon, until the application for the mining tenement is determined.

Section 30(3)

Service of permit on owner and occupier

The permit holder (or his agent) shall, on the first occasion that he enters the land after the issue of the permit, hand a copy of the permit to the occupier of the land. If the occupier is not present, the permit holder shall:

Section 31

- a. place a copy of the permit in a prominent position on the occupier's dwelling, or at the main entrance to the land if there is no dwelling; and
- b. in any event, within 48 hours of his entering the land, send a copy of the permit by registered post to the occupier.

Where none of the owners of the land is also in occupation of the land, a copy of the permit must also be sent, within 48 hours of first entering the land after issue of the permit, by prepaid registered post to one of the owners at the registered office in the case of a body corporate, or in other cases to the last known place of abode or business.

Section 31(3)

Mining tenements on private land

Consent of owner and occupier to grant in respect of surface land

Section 29

A mining tenement in respect of the natural surface and to within a depth of 30 metres thereof shall not be granted in respect of private land which is:

- in bona fide and regular use as a yard, stockyard, garden, orchard, vineyard, plant nursery or plantation;
- under cultivation (ie. used for agricultural purposes including cropping or pasturing; whether cleared or uncleared, used for grazing stock in the ordinary course of management of the land);
- the site of a cemetery, burial ground or reservoir (ie. a dam, bore, well or spring)
- land on which there is erected a substantial improvement (as adjudged by the Warden);
- within 100 metres of any private land referred to above;
- a separate parcel of land having an area of 2000 square metres or less;

except with the written consent of the owner and occupier of that land.

Grant of tenement at depth

Where the owner and occupier do not consent; a mining tenement may only be granted in respect of land below a depth of 30 metres from the natural surface.

Section 29

In the case of a mining tenement granted in respect to land below a depth of 30 metres from the natural surface the mining tenement holder may subsequently, should the owner and occupier of the land subsequently consent, apply to have the remaining portion of the land (from the surface to a depth of 30 metres) included in the mining tenement.

Whilst the right to so apply exists, the land from the surface to a depth of 30 metres is not open for mining to any other person.

Section 29(5)

PRIVATE LAND PROVISIONS

Revestment of private land

Where private land, situated within a current mining tenement, ceases to be private land and reverts to the Crown, that land will automatically be included into any underlying mining tenement.

Section 29

Compensation**No surface mining before compensation agreed/determined**

The holder of a mining tenement shall not commence any mining on the surface (or to a depth of 30 metres) unless and until he has paid, or tendered to the owner and occupier the amount of compensation required under the Act, or has made an agreement as to the amount; times and mode of compensation, if any.

Section 35

Basis of compensation

The compensation shall include compensation for being deprived of the possession of the surface or any part of the surface of the private land, and for damage thereon to the surface or the part, and to any improvements thereon, that may arise from the exercise of the rights conferred by the mining tenement, and for the severance of such land from other land of the owner and occupier, and for rights of way and for consequential damages.

Compensation is not payable in any case in respect of the value of any mineral known or supposed to be in, on or under the surface of any land to which a claim for compensation under this Act relates.

Sections 123 and 124

How compensation determined

The amount of compensation shall be determined by agreement between the holder of the mining tenement and the owner and occupier, or in default of agreement, an amount determined by the Warden's Court upon the application of the owner, the occupier or the holder of the mining tenement.

If access is agreed but compensation is not, the holder of a mining tenement and the owner of private land or occupier of Crown land or private land may, consent to have the matter determined by the Warden without requiring any formal proceedings to be taken.

Section 123(3)

Compensation in respect to adjoining land, etc.

Compensation is also payable in respect to adjoining or nearby land injured or depreciated in value by mining operations on a mining tenement.

Section 123(5)

Warden's Court Plaintiff

Actions may be commenced by way of Warden's Court plaintiff relating to the determination of compensation where agreement cannot be reached.

Section 123

Application for mining tenements**Copies to be served**

An application for a mining tenement on private land must, within 14 days of the date of application serve a copy of the application (ie. Form 21) together with a map or plan on which the boundaries of the land comprising the proposed mining tenement are clearly defined, on the:

Section 33(1) regulation 7(1)

- a. clerk of the council of the municipality;
- b. the owner and occupier of the private land, (but if there is no occupier the copy shall be affixed in some conspicuous place on the land); and
- c. each mortgagee of the land.

PRIVATE LAND PROVISIONS

If the time prescribed to serve such copies of the application and map is extended by the Warden, the applicant must then, along with the application and map, serve the affected parties with a written notice that the period for lodging objections is within 21 days of the date of service.

Regulation 7(2)

In cases of sub-surface applications for mining tenements on private land (ie. only for land below a depth of 30 metres from the lowest part of the natural surface), it is not necessary to serve a copy of the application on the:

- i. owner and occupier of the land; or
 - ii. each mortgagee of the land.
- Section 33(1a)

Sub-surface conditions also apply to reserved land but not vacant Crown land.

Objections

An objection (in the Form No. 16) to the granting of an application that relates to private land shall be made within:

- a. 21 days of the date on which the person was served with a copy of notice required to be given under section 33(1); or
- b. 35 days of the date of the application,

whichever period ends later, or such further period as the Warden considers reasonable.

Regulation 146

Objection (in the Form No 16) can be lodged at any Mining Registrar's office, or electronically (eLodgement) using the department's website.

The owner and occupier of the land and any mortgagee are entitled to be heard before the application is determined.

The Warden may, if in the circumstances of the case warrant, and irrespective of the manner in which the application for the mining tenement is disposed of, order that the applicant pay to the objector or objectors, such sum by way of costs as the Warden orders.

Section 33(2)

eLodgement

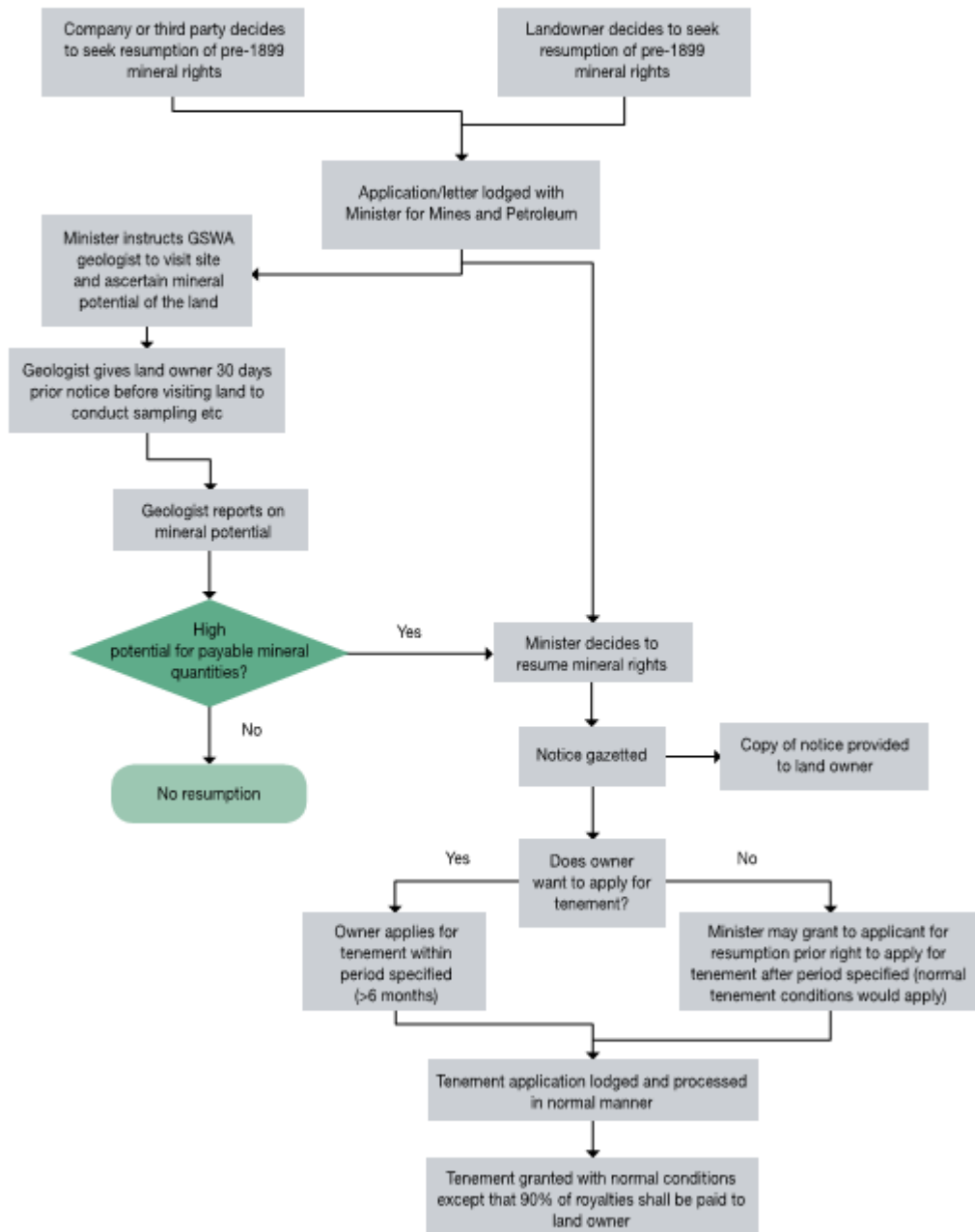
Prior to using the eLodgement system, parties will be required to be registered with the department's Mineral Titles Online (MTO) and be issued with the necessary logon details and also agree to the terms and conditions. This registration is free.

Note: Whilst objections to mining tenement applications can be lodged electronically outside of the department's opening hours, i.e 8.30am to 4.30pm (WST), those objections will be deemed to be received at 8.30am (WST) on the next working day.

Appendix A

PRIVATE LAND PROVISIONS

PROCESS FOR BRINGING MINERALS-TO-OWNER LAND UNDER MINING ACT





APPLICATION FOR DEVELOPMENT APPROVAL

Owner details		
Name: Charles Raymond Farmer		
ABN (if applicable):		
Address: PO Box 1 Boddington WA Postcode: 6390		
Phone:	Fax:	Email:
Work:		
Home:		
Mobile:		
Contact person for correspondence: Claire Reid		
Signature: Charles Raymond Farmer <i>C.R. Farmer</i>		Date: 1 June 2016
Signature:		Date:
The signature of the owner(s) is required on all applications. This application will not proceed without that signature. For the purposes of signing this application an owner includes the persons referred to in the Planning and Development (Local Planning Schemes) Regulations 2015 Schedule 2 clause 62(2).		
Applicant details (if different from owner)		
South32 Worsley Alumina Pty Ltd [as agent for South32 Aluminum (RAA) Pty Ltd, South32 Aluminum Name: (Worsley) Pty Ltd, Japan Alumina Associates (Australia) Pty Limited and Sojitz Alumina Pty Limited]		
Address: PO Box 50 Boddington WA Postcode: 6390		
Phone:	Fax:	Email:
Work: +618 9734 9468		Claire.Reid@south32.net
Home:		
Mobile: +61 419 092 363		
Contact person for correspondence:		
The information and plans provided with this application may be made available by the local government for public viewing in connection with the application. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Signature: <i>Alycia Tringrove</i> Alycia Tringrove - Boddington Bauxite Mine VP		Date: 1 June 2016

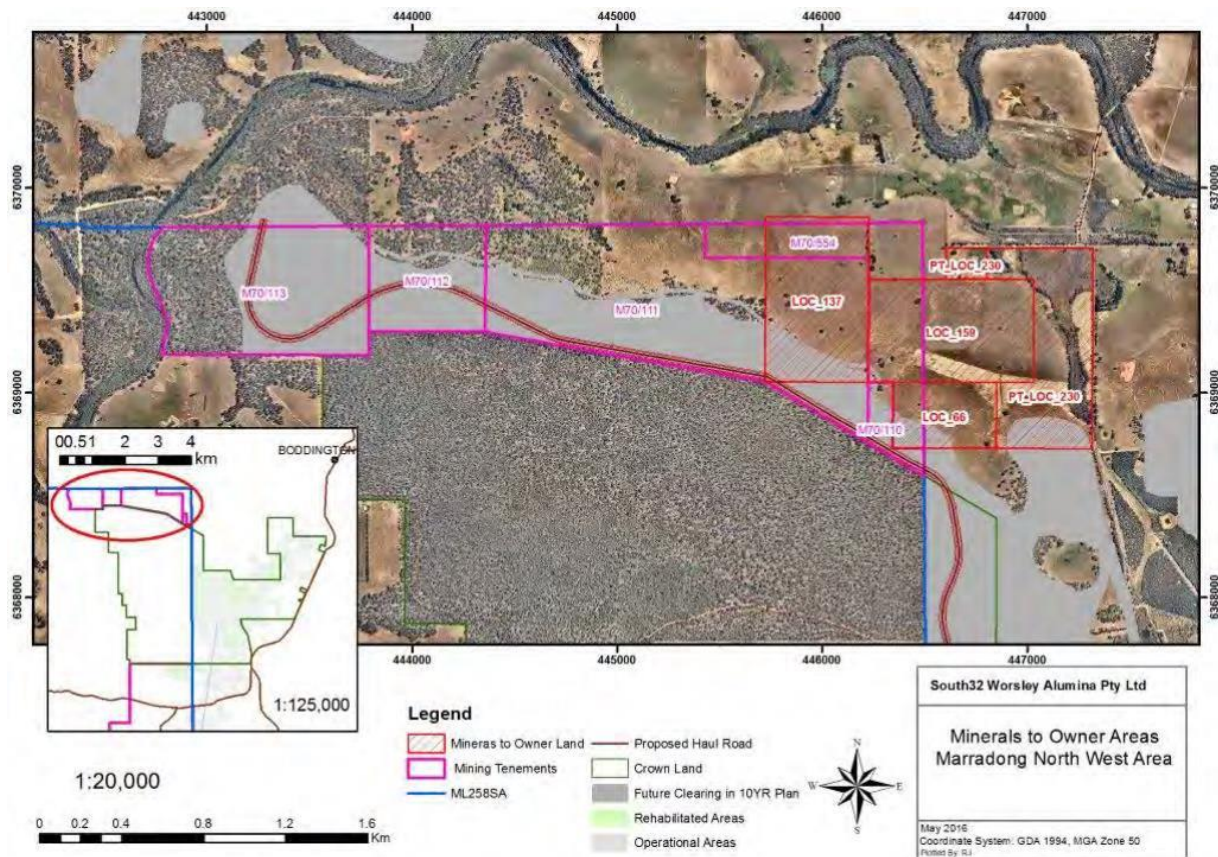
F:\Documents,Forms,Proformas\Planning\Application for Development Approval.docx



APPLICATION FOR DEVELOPMENT APPROVAL

Property details		
Lot No: 66, 137 and 159	House/Street No:	Location No: Williams Loc 66, 137 and 159
Diagram or Plan No: 245804, 245766 and 245785	Certificate of Title Vol. No: 1118 and 9	Folio: 282 and 336
Title encumbrances (e.g. easements, restrictive covenants): 		
Street name:		
Suburb: Boddington WA		
Nearest street intersection:		
Proposed development		
Nature of development: <div style="display: flex; flex-direction: column; gap: 5px;"> <div><input checked="" type="checkbox"/> Works</div> <div><input type="checkbox"/> Use</div> <div><input type="checkbox"/> Works and use</div> </div>		
Is an exemption from development claimed for part of the development? <div style="display: flex; align-items: center; gap: 10px;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </div>		
If yes, is the exemption for: <div style="display: flex; flex-direction: column; gap: 5px;"> <div><input type="checkbox"/> Works</div> <div><input type="checkbox"/> Use</div> </div>		
Description of proposed works and/or land use: Bauxite mining and haul road		
Description of exemption claimed (if relevant): N/A		
Nature of any existing buildings and/or land use: Nil		
Approximate cost of proposed development:		
Estimated time of completion: Mining complete within 2 years. Will require access for 10 years.		
<div style="display: flex; justify-content: space-between;"> <div>Acceptance Officer's initials:</div> <div><i>OFFICE USE ONLY</i></div> </div> <div style="display: flex; justify-content: space-between;"> <div>Local government reference No:</div> <div>Date received:</div> </div>		

F:\Documents,Forms,Proformas\Planning\Application for Development Approval.docx



Consent, Compensation and Restoration Agreement

Schedule 1 - Owner's Land

Lot 137 on Deposited Plan 245766, being the whole of the land comprised in Certificate of Title Volume 9 Folio 336.

Williams Locations 70, 91 and 92, being the whole of the land comprised in Certificate of Title Volume 649 Folio 87.

Lot 9141 on Deposited Plan 252154, being the whole of the land comprised in Certificate of Title Volume 649 Folio 88.

Lot 8795 on Deposited Plan 251301, being the whole of the land comprised in Certificate of Title Volume 814 Folio 98.

Lot 351 on Deposited Plan 250629, being the whole of the land comprised in Certificate of Title Volume 829 Folio 113.

Lot 1297 on Deposited Plan 228536, being the whole of the land comprised in Certificate of Title Volume 919 Folio 140.

Lot 8708 on Deposited Plan 132553, being the whole of the land comprised in Certificate of Title Volume 1013 Folio 564.

Lot 5369 on Deposited Plan 118574 and Lot 5368 on Deposited Plan 118575, being the whole of the land comprised in Certificate of Title Volume 1027 Folio 683.

Lot 460 on Deposited Plan 301961, being the whole of the land comprised in Certificate of Title Volume 1118 Folio 281.

Williams Locations 66, 159 and portion of Williams Location 230, being the whole of the land comprised in Certificate of Title Volume 1118 Folio 282.

Lot 14768 on Deposited Plan 152249, being the whole of the land comprised in Certificate of Title Volume 1215 Folio 22.

Lot 11986 on Deposited Plan 143617, being the whole of the land comprised in Certificate of Title Volume 1667 Folio 894.

Lot 304 on Deposited Plan 100855, being the whole of the land comprised in Certificate of Title Volume 1816 Folio 917.

Lot 14735 on Deposited Plan 149879, being the whole of the land comprised in Certificate of Title Volume 1931 Folio 199.

PROOF OF MINERALS TO OWNER

Williams Location 66

Land Description	Certificate of Title Volume/Folio Number	Date Issued	Caveat
Lot 66 on Plan 245804 Lot 159 on 245785 Plan Lot 230 on Plan 250630	1118/282	21/04/2016 Landgate Database no CT issued	JVPs
Williams Locations 66, 159 and portion 230	1118/282 (incl sketch)	27/05/1949	JVPs
Williams Locations 66, 159 and 230	372/165	20/07/1906	Nil
Williams Location 66	6/326	20/05/1880	Nil
Williams Location 66	Grant 3C/847	08/12/1879	N/A
....And we do hereby save and reserve to Us, Our heirs and successors, all mines of Gold, Silver, and other precious metals, in and under the said Land, with full liberty at all times to search and dig for, and carry away the same; and, for that purpose, to enter upon the said Lands or any part thereof.			

Williams Location 137

Land Description	Certificate of Title Volume/Folio Number	Date Issued	Caveat
Lot 137 on Deposited Plan 245766	9/336	30/04/1969	JVPs
Williams Location 137	9/336	05/04/1923	JVPs
Williams Location 137	Grant 4C/165	14/09/1898	N/A
....And we do hereby save and reserve to Us, Our heirs and successors, all mines of Gold, Silver, and other precious metals, in and under the said Land, with full liberty at all times to search and dig for, and carry away the same; and, for that purpose, to enter upon the said Lands or any part thereof.			

Williams Location 159

Land Description	Certificate of Title Volume/Folio Number	Date Issued	Caveat
Lot 66 on Plan 245804 Lot 159 on Plan 245785 Lot 230 on Plan 250630	1118/282	21/04/2016 Landgate Database no CT issued	JVPs
Williams Locations 66, 159 and portion 230	1118/282 (incl sketch)	27/05/1949	JVPs
Williams Locations 66, 159 and 230	372/165	20/07/1906	Nil
Williams Location 159	23-344	22/11/1887	Nil
Williams Location 159	Grant 7C-608	07/11/1887	N/A
....And we do hereby save and reserve to Us, Our heirs and successors, all mines of Gold, Silver, and other precious metals, in and under the said Land, with full liberty at all times to search and dig for, and carry away the same; and, for that purpose, to enter upon the said Lands or any part thereof.			

PTO

PROOF OF MINERALS TO OWNER - Continued

Williams Location 230

Land Description	Certificate of Title Volume/Folio Number	Date Issued	Caveat
Lot 66 on Plan 245804 Lot 159 on Plan 245785 Lot 230 on Plan 250630	1118/282	21/04/2016 Landgate Database no CT issued	JVPs
Williams Locations 66, 159 and portion 230	1118/282 (incl sketch)	27/05/1949	JVPs
Williams Location 230 <i>Changed on CT to Lot 460 on Deposited Plan 301961</i>	1118/281	27/05/1949	Nil
Williams Location 230	Grant 8C-213	13/09/1888	N/A
....And we do hereby save and reserve to Us, Our heirs and successors, all mines of Gold, Silver, and other precious metals, in and under the said Land, with full liberty at all times to search and dig for, and carry away the same; and, for that purpose, to enter upon the said Lands or any part thereof.			

Form No. 18.
Grant under "Land Regulations of 22 May 1873"

3C
847

Malcolm Fraser
Commissioner of Crown Lands.

16747

Scale 10 Chains to an Inch.
Surveyed by H.S. Ramsden.

Malcolm Fraser
Surveyor General.

Victoria, by the Grace of God, of the United Kingdom of Great Britain and Ireland Queen, Defender of the Faith, &c., &c. To all to whom these Presents shall come, Greeting: Know Ye that We, of Our especial Grace, certain knowledge, and mere motion, have given and granted, and We do by these Presents, for Us, Our heirs, and successors, in consideration of the sum of twenty pounds sterling

Paid to the satisfaction of Our Governor of Our Colony of Western Australia, Give and Grant unto Thomas Farnet of Northam River, in our said Colony Farnet

ALL THAT Tract or Parcel of Land situate and being in the District of Williams in Our said Colony containing four acres more or less, and marked and distinguished in the Maps and Books of the Survey Office of Our said Colony as Williams Location 66 and

BOUNDED on the North and West by lines extending East twenty five chains and South twenty five chains from a point thirty chains South and thirty five chains East from the South East corner of Williams Location 70, the opposite boundaries being parallel and equal, the bearings true, or thereabouts, the measurements more or less, and a squared post placed at each corner of the Location.

as the same is delineated in the plan drawn in the margin hereof: To have with all Profits, Commodities, Hereditaments, and Appurtenances whatsoever thereto belonging, or in anywise appertaining. To have and to hold the said Tract or Parcel of Land, and all and singular the Premises hereby granted, with their appurtenances, unto the said Thomas Farnet

his heirs and assigns, for ever, he and they yielding and paying for the same to Us, Our heirs and successors, one penny-corn of yearly rent on the twenty-fifth day of March in each year, or so soon thereafter as the same shall be lawfully demanded. Prohibited, Nevertheless, that it shall at all times be lawful for Us, Our heirs and successors, or for any person or persons acting in that behalf by Our authority, to resume and enter upon possession of any part of the said Lands which it may at any time by Us, Our heirs and successors, be deemed necessary to resume for making roads, tramways, railways, railway stations, canals, bridges, towing-paths, or other works of public utility or convenience, and such Lands so resumed to hold to Us, Our heirs and successors, as of Our or their former estate without making to the said Thomas Farnet

his heirs and assigns, any compensation in respect thereof; so, nevertheless, that the Lands so to be resumed shall not exceed one-twentieth part, in the whole, of the Lands aforesaid, and that no such resumption be made of any Lands upon which any buildings may have been erected, or which may be in use as gardens, or otherwise, for the more convenient occupation of any such buildings; and provided, also, that it shall be lawful, at all times, for Us, Our heirs and successors, or for any person or persons acting in that behalf by Our or their authority, to cut and take away any such indigenous timber, and to carry away, search, and dig for any stones or other materials, which may be required for making or keeping in repair any roads, bridges, canals, towing-paths, or other works of public convenience and utility. And we do hereby save and reserve to Us, Our heirs and successors, all mines of Gold, Silver, and other precious metals, in and under the said Land, with full liberty at all times to search and dig for, and carry away the same; and, for that purpose, to enter upon the said Lands or any part thereof.

In Witness whereof We have caused our trusty and well-beloved Major-General Anthony Smith-Songara G.C.M.G. Governor and Commander-in-Chief of Our said Colony, to affix to these Presents the Public Seal of the said Colony.

Scaled this eightth day of December
one thousand eight hundred and seventy-nine
in the presence of the Executive Council.

H. S. Ramsden

LANDGATE COPY OF ORIGINAL NOT TO SCALE Thu Apr 21 14:05:41 2016 JOB 50712559

LANDGATE COPY OF ORIGINAL NOT TO SCALE Wed Feb 24 07:18:13 2016 JOB 50221892

Form No. 18.
Grant under "Land Regulations of 14 September 1878"

4C
165

Malcolm Fraser
Commissioner of Crown Lands.

Enrolled
No. }
137

Scale 10 Chains to an Inch.
Surveyed by H.S. Ramsden.

Malcolm Fraser
Surveyor General.

Victoria, by the Grace of God, of the United Kingdom of Great Britain and Ireland Queen, Defender of the Faith, &c., &c. To all to whom these Presents shall come, Greeting: Know Ye that We, of Our especial Grace, certain knowledge, and mere motion, have given and granted, and We do by these Presents, for Us, Our heirs, and successors, in consideration of the sum of eighty two pounds two shillings sterling

Paid to the satisfaction of Our Governor of Our Colony of Western Australia, Give and Grant unto Edward McLarty of Williams in our said Colony Farnet

ALL THAT Tract or Parcel of Land situate and being in the District of Williams in Our said Colony containing one hundred acres more or less, and marked and distinguished in the Maps and Books of the Survey Office of Our said Colony as Williams Location 137 and

BOUNDED on the North and West by lines extending respectively East twenty five chains and South forty chains from a point on the East boundary of Williams Location 70 situated ten chains North from its South East corner, the opposite boundaries being parallel and equal, the bearings true or thereabouts, the measurements more or less, and a squared post placed at each corner of the Location

as the same is delineated in the plan drawn in the margin hereof: To have with all Profits, Commodities, Hereditaments, and Appurtenances whatsoever thereto belonging, or in anywise appertaining. To have and to hold the said Tract or Parcel of Land, and all and singular the Premises hereby granted, with their appurtenances, unto the said Edward McLarty

his heirs and assigns, for ever: he and they yielding and paying for the same to Us, Our heirs and successors, one penny-corn of yearly rent on the twenty-fifth day of March in each year, or so soon thereafter as the same shall be lawfully demanded. Prohibited, Nevertheless, that it shall at all times be lawful for Us, Our heirs and successors, or for any person or persons acting in that behalf by Our authority, to resume and enter upon possession of any part of the said Lands which it may at any time by Us, Our heirs and successors, be deemed necessary to resume for making roads, tramways, railways, railway stations, canals, bridges, towing-paths, or other works of public utility or convenience, and such Lands so resumed to hold to Us, Our heirs and successors, as of Our or their former estate without making to the said Edward McLarty

his heirs and assigns, any compensation in respect thereof; so, nevertheless, that the Lands so to be resumed shall not exceed one-twentieth part, in the whole, of the Lands aforesaid, and that no such resumption be made of any Lands upon which any buildings may have been erected, or which may be in use as gardens, or otherwise, for the more convenient occupation of any such buildings; and provided, also, that it shall be lawful, at all times, for Us, Our heirs and successors, or for any person or persons acting in that behalf by Our or their authority, to cut and take away any such indigenous timber, and to carry away, search, and dig for any stones or other materials, which may be required for making or keeping in repair any roads, bridges, canals, towing-paths, or other works of public convenience and utility. And we do hereby save and reserve to Us, Our heirs and successors, all mines of Gold, Silver, and other precious metals, in and under the said Land, with full liberty at all times to search and dig for, and carry away the same; and, for that purpose, to enter upon the said Lands or any part thereof.

In Witness whereof We have caused our trusty and well-beloved Sir William Cleaver Francis Robinson K.C.M.G. Governor and Commander-in-Chief of Our said Colony, to affix to these Presents the Public Seal of the said Colony.

Scaled this sixteenth day of December
one thousand eight hundred and eighty-one
in the presence of the Executive Council.

William C. F. Robinson

7C
608

Grant under "Land Regulations of Western Australia"

J. J. Brooking
Acting Commissioner of Crown Lands

Scale - 10 - Chains to an inch
Surveyed by J. J. Brooking

Victoria, by the Grace of God, of the United Kingdom of Great Britain and Ireland Queen, Defender of the Faith, &c., &c., &c. To all to whom these Presents shall come, Greeting: Know Ye that We, of Our especial Grace, certain knowledge, and mere motion, have given and granted, and We do by these Presents, for Us, Our heirs, and successors, in consideration of the sum of £100 paid to the satisfaction of Our Governor of Our Colony of Western Australia, Give and Grant unto T. Farmer of Williams in Our said Colony, ALL THAT Tract or Parcel of Land situate and being in the District of Williams more or less, and marked and distinguished in the Maps and Books of the Survey Office of Our said Colony as Williams Location 159 and BOUNDED on the North and East by lines of bearing respectively that forty chains bearing along the North boundary of Williams Location 66 and North twenty five chains from a post nine chains East from that location North boundary the opposite bearings being parallel and equal the bearings true or true and the measurements more or less, and a post placed at each corner of the section

as the same is delineated in the plan drawn in the margin hereof, Together with all Profits, Commodities, Hereditaments, and Appurtenances whatsoever thereunto belonging, or in anywise appertaining. To have and to hold the said Tract or Parcel of Land, and all and singular the Premises hereby granted, with their appurtenances, unto the said T. Farmer

his heirs and assigns, for ever: And they yielding and paying for the same to Us, Our heirs and successors, one penny-corn of yearly rent on the twenty-fifth day of March in each year, or so soon thereafter as the same shall be lawfully demanded. Provided, nevertheless, that it shall at all times be lawful for Us, Our heirs and successors, or for any person or persons acting in that behalf by Our authority, to resume and enter upon possession of any part of the said Lands which it may at any time by Us, Our heirs and successors, be deemed necessary to resume for making roads, tramways, railways, railway stations, canals, bridges, towing-paths, or other works of public utility or convenience, and such Lands so resumed to hold to Us, Our heirs and successors, as of Our or their former estate without making to the said T. Farmer

his heirs and assigns, any compensation in respect thereof; so, nevertheless, that the Lands so to be resumed shall not exceed one-twentieth part, in the whole, of the Lands aforesaid, and that no such resumption be made of any Lands upon which any buildings may have been erected, or which may be in use as gardens, or otherwise, for the more convenient occupation of any such buildings; and provided, also, that it shall be lawful, at all times, for Us, Our heirs and successors, or for any person or persons acting in that behalf by Our or their authority, to cut and take away any such indigenous timber, and to carry away, search, and dig for any stones or other materials, which may be required for making or keeping in repair any roads, bridges, canals, towing-paths, or other works of public convenience and utility. And we do hereby save and reserve to Us, Our heirs and successors, all mines of Gold, Silver, and other precious metals, in and under the said Land, with full liberty at all times to search and dig for, and carry away the same; and, for that purpose, to enter upon the said Lands or any part thereof.

In Witness whereof We have caused our trusty and well-beloved Frederick Napier Broome K.C.M.G. Governor and Commander-in-Chief of Our said Colony, to affix to these Presents the Public Seal of the said Colony.

Signed this 15 day of November 1888
one thousand eight hundred and eighty eight

J. J. Brooking
Acting Commissioner of Crown Lands

LANDGATE COPY OF ORIGINAL NOT TO SCALE Thu Apr 21 14:09:44 2016 JOB 50712633

LANDGATE COPY OF ORIGINAL NOT TO SCALE Fri May 20 15:01:53 2016 JOB 50963735

213
8C

Grant under "Land Regulations of Western Australia"

J. J. Brooking
Acting Commissioner of Crown Lands

Scale - 10 - Chains to an inch
Surveyed by J. J. Brooking

Victoria, by the Grace of God, of the United Kingdom of Great Britain and Ireland Queen, Defender of the Faith, &c., &c., &c. To all to whom these Presents shall come, Greeting: Know Ye that We, of Our especial Grace, certain knowledge, and mere motion, have given and granted, and We do by these Presents, for Us, Our heirs, and successors, in consideration of the sum of £100 paid to the satisfaction of Our Governor of Our Colony of Western Australia, Give and Grant unto T. Farmer of Williams in Our said Colony, ALL THAT Tract or Parcel of Land situate and being in the District of Williams more or less, and marked and distinguished in the Maps and Books of the Survey Office of Our said Colony as Williams Location 230 and BOUNDED on the North and East by lines of bearing respectively that forty chains bearing along the North boundary of Williams Location 66 and North twenty five chains from a post nine chains East from that location North boundary the opposite bearings being parallel and equal the bearings true or true and the measurements more or less, and a post placed at each corner of the section

as the same is delineated in the plan drawn in the margin hereof, Together with all Profits, Commodities, Hereditaments, and Appurtenances whatsoever thereunto belonging, or in anywise appertaining. To have and to hold the said Tract or Parcel of Land, and all and singular the Premises hereby granted, with their appurtenances, unto the said T. Farmer

his heirs and assigns, for ever: And they yielding and paying for the same to Us, Our heirs and successors, one penny-corn of yearly rent on the twenty-fifth day of March in each year, or so soon thereafter as the same shall be lawfully demanded. Provided, nevertheless, that it shall at all times be lawful for Us, Our heirs and successors, or for any person or persons acting in that behalf by Our authority, to resume and enter upon possession of any part of the said Lands which it may at any time by Us, Our heirs and successors, be deemed necessary to resume for making roads, tramways, railways, railway stations, canals, bridges, towing-paths, or other works of public utility or convenience, and such Lands so resumed to hold to Us, Our heirs and successors, as of Our or their former estate without making to the said T. Farmer

his heirs and assigns, any compensation in respect thereof; so, nevertheless, that the Lands so to be resumed shall not exceed one-twentieth part, in the whole, of the Lands aforesaid, and that no such resumption be made of any Lands upon which any buildings may have been erected, or which may be in use as gardens, or otherwise, for the more convenient occupation of any such buildings; and provided, also, that it shall be lawful, at all times, for Us, Our heirs and successors, or for any person or persons acting in that behalf by Our or their authority, to cut and take away any such indigenous timber, and to carry away, search, and dig for any stones or other materials, which may be required for making or keeping in repair any roads, bridges, canals, towing-paths, or other works of public convenience and utility. And we do hereby save and reserve to Us, Our heirs and successors, all mines of Gold, Silver, and other precious metals, in and under the said Land, with full liberty at all times to search and dig for, and carry away the same; and, for that purpose, to enter upon the said Lands or any part thereof.

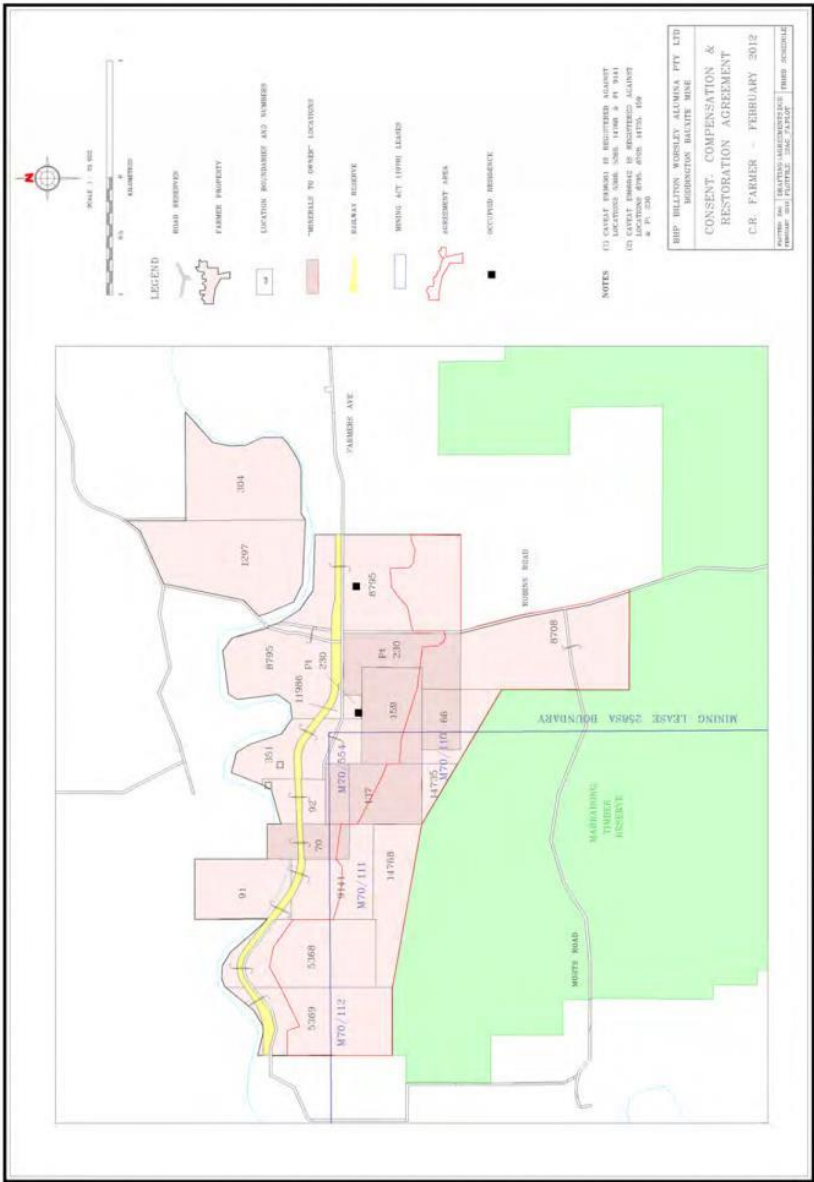
In Witness whereof We have caused our trusty and well-beloved Frederick Napier Broome K.C.M.G. Governor and Commander-in-Chief of Our said Colony, to affix to these Presents the Public Seal of the said Colony.

Signed this 15 day of November 1888
one thousand eight hundred and eighty eight

J. J. Brooking
Acting Commissioner of Crown Lands

Consent, Compensation and Restoration Agreement

Schedule 3 - Plan of the Agreement Area





Premier of Western Australia

Our Ref: 24-586132

Mr David Wilson
Vice President Planning and Development
South32 Worsley Alumina Pty Ltd
PO Box Z5184
St Georges Terrace
PERTH WA 6831

Dear Mr Wilson

I refer to correspondence of 10 December 2015 from Ms Celia Sullivan, Specialist Land and Tenure Management, seeking my approval for the Consent, Compensation and Restoration Agreement (CCR Agreement) executed on 13 August 2015 between South32 Worsley Alumina Pty Ltd (SWAPL) and Mr CR Farmer.

I am satisfied that the proposed rehabilitation provisions of the CCR Agreement will ensure adequate restoration of the privately owned land following completion of SWAPL's proposed mining and related activities on the land.

Consequently, I hereby approve the documentation as submitted pursuant to clause 7(9)(a)(iii) of the *Alumina Refinery (Worsley) Agreement Act 1973* (State Agreement).

Also, in accordance with clause 27 of the State Agreement, I approve the processing of bauxite obtained from land the subject of the CCR Agreement at the refinery.

Yours sincerely

A handwritten signature in blue ink, appearing to read 'Col Barnett'.

Colin Barnett MLA
PREMIER; MINISTER FOR STATE DEVELOPMENT

20 JAN 2016

1 Parliament Place, West Perth, Western Australia 6005
Telephone: +61 8 6552 5000 Facsimile: +61 8 6552 5001 Email: WA-Government@dpc.wa.gov.au
www.premier.wa.gov.au

ENVIRONMENTAL MANAGEMENT LIAISON GROUP ENVIRONMENTAL POLICY

(Revised on 17 April 2007)

BACKGROUND AND ROLE

The Worsley Alumina Project, consisting of the Boddington Bauxite Mine (BBM) and the Worsley Alumina Refinery, operates in accordance with the provisions of the *Alumina Refinery (Worsley) Agreement Act 1973* ("the Agreement"). Since the commencement of mining and alumina refining operations in 1984, the Department of Industry and Resources has co-ordinated an inter-departmental committee to review the environmental performance of the project. This involves the review of three reports submitted by Worsley, including:

- Interim (annual) and Triennial reports on environmental management of the Worsley Alumina project under the provisions of Clause 5A(3) of the Agreement.
- 10-year rolling plan for bauxite mining operations under the provisions of Clause 16(10) of the Agreement.
- Worsley Refinery Groundwater Monitoring Review under the provisions of Clause 5(4)(c) of the Agreement.

In April 2006, the then Minister for the Environment's Statement 719 (incorporating assessments 948 & 1526) plus previous Statement 423 (published 2 July 2006). Also including EPA Bulletins 823 & 1209. Established Procedures as part of the approval of the Worsley Alumina Refinery expansion to 4.4Mt/a by formalising the role of the inter-departmental committee under the terms of the Environmental Protection Act 1986 ("EP Act").

The Environmental Management Liaison Group's ("EMLG") role, under the provisions of the Agreement and the EP Act, is to review a range of Worsley Alumina environmental management reports and to provide high quality advice to the Minister for State Development and the Minister for the Environment on their environmental and social acceptability.

The EMLG shall have the following functions:

- provide comment on the draft Scope of Biodiversity-related Investigations (refer condition 8-2)
- provide comment on the draft Rehabilitation Plans and revisions and amendments (refer condition 11-1 and 11-6)
- provide comment on the draft Bauxite Mining Plan(s) and revisions and amendments (refer condition 11-1 and 11-6)
- review any 10 year rolling mine plans prepared by the proponent pursuant to Clause 16(10) of the *Alumina Refinery (Worsley) agreement Act 1973*, and provide reports on its findings to the Minister for State Development and the Minister for the Environment, and
- review the proponent's environmental performance against its Bauxite Mining Plan(s) and Rehabilitation Plans.

MEMBERSHIP

The EMLG comprises representatives from the following State Government agencies:

BODDINGTON BAUXITE MINE CLOSURE PLAN 2015 **134**

- Department of Industry and Resources [now Department of Mines and Petroleum (DMP)]: Chair and co-ordination.
- Department of Environment and Conservation [now Department of Parks and Wildlife (DPaW) and Department of Environmental Regulation (DER)]
- Department of Water (DoW)
- Department of Agriculture and Food (DAF)
- Department of Consumer and Employment Protection (Mines Safety) DOCEP [now Department of Mines and Petroleum (DMP)]

ENVIRONMENTAL PRINCIPLES

In addition to best practice environmental management principles, the EMLG operates in accordance with the following principles:

- *Sustainable development*: environmental protection will be integrated with mine and refinery planning, operations and decommissioning planning.
- *Community consultation*: the community will be consulted on matters that might affect or be of interest to it.
- *Concept of the precautionary approach*: the EMLG will carefully evaluate Worsley Alumina's plans and proposals on the basis of:
 - (a) avoiding, where practicable, significant or irreversible damage to the environment; and
 - (b) assessing the risk-weighted consequences of various options.
- *Environmental costs*: the company shall bear the environmental management and protection costs of its mining and refining operations.
- *Pollution prevention*: appropriate measures shall be taken to prevent the discharge of polluting wastes to the environment.
- *Rehabilitation*: mined areas of State forest will be returned to DEC's management only when rehabilitated to an agreed documented standard. Mined areas of freehold land will be rehabilitated in accordance the provisions set out in the Agreement Act.
- *"Life-of-project" environmental management*: environmental planning and management shall consider and encompass the expected life of the mining and refining operations and their cumulative impacts.

ENVIRONMENTAL PROTECTION OBJECTIVES

The EMLG and Worsley Alumina recognise that the Company's mining operations take place in a sensitive environmental and social setting. The following objectives guide the EMLG when it discusses draft plans and proposals with Worsley and subsequently provides advice to the Minister for State Development:

- ***Performance Quality and Continuous Improvement***

- The EMLG will regularly and critically review its performance and will work with Worsley Alumina to identify and implement better processes and techniques that might become available over time.

- ***Rehabilitation***

- Forest areas that have been mined will be rehabilitated as defined in the 10-year mine plans considered by the EMLG and in accordance with a prescription agreed between Worsley Alumina and DEC [now DPaW].
- The rehabilitated areas of State forest must meet agreed completion criteria before management responsibility is returned to the State. The Minister for the Environment, on the advice of DEC [now DPaW] will sign a certificate of acceptance for each area to be returned.
- The rehabilitation completion criteria to be developed through the EMLG will cover a range of matters and will be subject to regular review and continuous improvement.

- ***Forest Disease***

- Worsley's mining or refining activities should not accelerate the spread of forest disease, such as dieback.
- All practicable forest management and hygiene measures shall be implemented, in consultation with DEC [now DPaW]

- ***Water Resource Protection***

- Mining activities should not permanently increase the turbidity or salt content of public water resources.
- Acceptable unavoidable impacts should be small, temporary and must not affect the beneficial use of the resource. If affected, private water supplies must be made good by or at the Company's expense.
- Unless approved by the Department of Water, rehabilitation shall be designed so as not to reduce long term stream yields below those generated from equivalent unmined areas, provided objectives of ecological sustainability have been satisfied.

- ***Landscape Protection***

- The impact of mining upon landscape values will be minimised to the maximum extent practicable. The duration of unavoidable aesthetic impacts will be limited by early rehabilitation.
- Utilisation of Wood Waste from Forest Clearing
- When forest residue is cleared from bauxite mining areas, the burning of wood waste shall be minimised. DEC [now DPaW] / Forest Products Commission (FPC) will regularly brief the EMLG on economic ways to maximise the use of wood waste, either for commercial purposes or to environmentally improve rehabilitated areas.

- **Noise Impacts from Mining and Overland Conveyors**

- Noise levels measured at noise sensitive premises, such as residences, must comply with Regulations established under the *Environmental Protection Act*, or with levels set under the provisions of the Agreement.

- **Impacts on Community Lifestyle and Amenity**

- The community should not be unduly affected as a result of mining or refining operations. Potential impacts that need to be monitored and managed include:
 - noise
 - dust
 - traffic
 - other emissions
 - loss of amenity.

Worsley Alumina must implement effective control measures and maintain appropriate separation distances between residents and mining activity, or reach agreement with directly affected landowners where circumstances justify this approach.

ENVIRONMENTAL AUDITING

The Minister for the Environment has determined that the EMLG will co-ordinate environmental auditing for the reports listed above. To this end, the EMLG will ensure that:

- all reports are consistent with relevant commitments made by the Company and with conditions set by the Minister for the Environment;
- the reports are consistent with the Environmental Principles and Objectives of this policy; and
- Worsley Alumina implements those commitments that are relevant to this environmental process.

These are the Performance Indicators for the policy implementation.

PROCESS AND REPORTING

Certain requirements are set out under the provisions of the *Alumina Refinery (Worsley) Agreement Act 1973*. In addition to the requirement for Worsley Alumina to submit proposed operational plans for mining, refining and environmental management, the Company's annual reporting will include the following:

- aspects of environmental planning and performance that are relevant to the audit activities described above;
- issues brought to the attention of Worsley Alumina by the EMLG;
- certificates of acceptance relating to rehabilitated areas; and

- salient matters relating to community consultation.

The plans and reports will be reviewed by the members of the EMLG, on behalf of their respective agencies, and their comments will be referred by the Chairman for Worsley Alumina's information and attention, as appropriate.

The EMLG will inform the Minister for State Development of the Committee's satisfaction with the Company's environmental performance over the previous year, as described in the relevant reports (following any necessary adjustments or amendments). The Minister will then inform the Minister for the Environment that the Company has met all its environmental commitments and obligations under the Agreement and the *Environmental Protection Act*.

16 April 2007



Worsley Alumina



PLAN OF BAUXITE MINING OPERATIONS 2016-2025

OCTOBER 2015

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FIGURE 7	Ecological Linkages
FIGURE 8	Monitoring and Production Bore Locations



Plan of Bauxite Mining Operations 2016-2025

2

PLAN OF BAUXITE MINING OPERATIONS

This Bauxite Mining Operations Plan 2016 - 2025 is submitted in accordance with clause 16(10) of the Worsley Agreement and is the thirty fifth submitted. It details operations from July 2014 to June 2015 (referred to in this document as 2015) and proposed operations from July 2015 to June 2025 (2016 - 2025).

2015 OPERATIONAL SUMMARY

Over the last 12 months, 16.8 million dry tonnes (Mdt) of bauxite was mined from the Saddleback Mining Envelope and Marradong Mining Envelopes (SME and MME) and adjacent private property.

Drilling, clearing and rehabilitation activities for 2015 are shown on Figures 1 & 2.

Key features of the 12 months were as follows:

- The Boddington Bauxite Mine (BBM) cleared 205 Ha of Crown land, 83.5 Ha in the Saddleback Timber Reserve (STR) and 121 Ha in the Marradong Timber Reserve (MTR), for bauxite mining, infrastructure development and haul-road construction;
- Mining continued in Private Property (Worsley Alumina Joint Venture (WAPLJV) and the Nichols, Hull and Black properties) during 2015. The area disturbed for mining in these properties during the reporting period totalled 133 Ha (69 Ha pasture, 64 Ha bush) (notes 1 & 2 Figure 1);
- Earthworks for rehabilitation were completed on 156 Ha of Crown land and 19 Ha of private property;
- 171.6 Ha of crown land and 21 Ha of private property (WAPLJV & Nichols) was revegetated to forest (notes 3 on Figure 1);
- There was no pasture initiation for rehabilitation undertaken during the reporting period;
- Targets set for direct replacement of topsoil were met during the 2015 rehabilitation programme. Using fresh, striped, immediate returned or sieved topsoil, 51.04% of rehabilitation received direct returned topsoil;
- The 2015 rehabilitation methodology utilised mechanical fertilising and seeding for all of the rehabilitation areas;
- The Forest Products Commission (FPC) and BBM continue to use contractors to salvage green firewood and stockpile it on site for drying for two – three years;
- 224 Ha within the STR was scheduled to be burnt as part of the DPAW prescribed burn programme in spring 2011, however this was deferred due to production pressures and rescheduled for autumn 2012, but was again deferred due to the Keely review into DPAW operations being undertaken. Timing for this burn will be scheduled when appropriate;
- In the reporting period, 655.6 Ha of the STR, MTR, private property and WAPLJV owned land were surveyed and interpreted for the presence of *Phytophthora* related dieback forest disease. The survey included areas to be cleared for mining during the 2016 - 2018 periods. The areas of Saddleback and Marradong Timber Reserves were found to be uninfested (318.4 Ha) and uninterpretable (47.8 Ha) and excluded (39.8ha). Areas of grazed Joint Venture and private property were labelled as uninfested (34.3 Ha), infested (4 Ha), and uninterpretable (211.3.1Ha). To ensure that areas did not

pass their interpretation revision date, some areas were rechecked;

- Mining occurred in the southern, eastern and western sectors of the Saddleback Mining Envelope (SME) and in across all areas of Marradong Mining Envelope (MME). Average one-way haul distance for the year was 2.73km across both SME & MME;
- Total groundwater usage for 2015 increased compared to 2014. This increase is primarily attributable to a dry season and long haul distances within the mine and maintaining two mining hubs;
- Initiatives continued during 2015 to reduce water loss through evaporation including the continued use of water bladders and tanks for water storage across the MME and the treatment of surface water dams in the SME with Aquatain® over the summer period. The treatment programme has been continued from previous years and has been demonstrated to be effective;
- A bitumen based emulsion (Dustbloc®) was applied to haul roads during 2015 to improve the efficiency of haul-road watering, and minimise water usage for dust suppression;
- Dust levels continued to be monitored at two sites adjacent to the SME during 2015 utilising real time dust monitors (E-samplers). The dust monitors measure environmental dust (PM10) on a continuous basis. The monitors are located on the northeast and northwest boundaries of the mine-site (notes 4, Figure 1), in March 2015 the monitor in the north west was moved to a more representative location near the premise boundary. During the reporting period two events were found to be in exceedance of the licence target and these were reported to DER in accordance with the licence conditions;
- Operation of the MME dust monitoring program, consisting of a network of 3 Tapered Element Oscillating Microbalance (TEOM) dust monitors surrounding the Marradong operations continued (notes 5, figure 1);
- During the reporting period there were two events where visible dust was recorded crossing the boundary – both were reported to DER in accordance with the licence conditions.



Photograph 1: Vermeer terrain leveller

- Operation of the 16 Noise Sentinel monitoring units continued during 2015 (12 for mining noise monitoring, 4 for conveyor noise monitoring), operation of 4 barn owl units continued during 2015;
- During the reporting period Worsley contracted Vermeer to trial terrain levelling to support and complement our blasting practices. Following a very successful trial Worsley purchased a terrain leveller as part of the core operating fleet. The terrain leveller has been used in sensitive areas to reduce the blasting impact or eliminate the need for blasting. In areas where blasting is still required due to the thickness of the hard-cap layer the terrain leveller can be used to cut the surface, creating a blanket cover over the blast which assists with reducing noise and fly-rock impact;
- Worsley established a blast overpressure modelling program during the reporting period, which enables successful projection of overpressure levels and the ability to implement controls as required. This program has been developed in anticipation of mining activities becoming closer to sensitive premises in the Boddington Community. As a component of the blast management program Worsley changed explosive supply vendors who were able to provide products with lower noise impacts;
- During the reporting period blast designs were reviewed and focus is being given to drilling in hard-cap only which results in lower blast noise as a result of less explosive per hole;
- In April 2015 Worsley became aware of changes made to the regulatory blasting limits prescribed under the Environmental Protection (Noise) Regulations 1997. Upon becoming aware of the changes to the Regulations a review was conducted for all blasts completed at the BBM from the date of the changes (May 2014). This review identified four exceedances of the new blasting limits prescribed under Sub-regulation 4 and two exceedances of the new limits prescribed under Sub-regulation 6. This information was reported to the DER on 8 April 2015. Changes were implemented to ensure that any amendments to regulations would not be missed in future.
- Two further blast noise exceedances were recorded for the reporting period, both were reported to DER;
- No exploration drilling programme was executed during 2015 (Figure 2);
- No development and grade control drilling was completed during 2015. Worsley was undertaking an insourcing project and delivery of the rigs was delayed. No contractors were utilized during the reporting period for grade control drilling (as shown in Figure 1);
- Worsley commissioned the development and construction of two vacuum drill rigs, these will be owned and operated by Worsley which increases the control of drilling and sampling for quality and safety. Delivery of the rigs occurred in September 2015 and drilling will commence following safe commissioning and communication with DMP, estimated start date is early November 2015;
- During the reporting period work was undertaken to identify potential nest/habitat trees to be added to the mines areas which are deferred from mining. The main focus for the identification was to determine if hollows were active black cockatoo breeding habitat;
- Additional eagles nests were identified during the reporting period, which were also investigated. This information will be considered in future planning and clearing requirements;



Photograph 2: Red tailed black cockatoo feeding near MW040

- Other areas of habitat within or adjacent to future clearing areas and within areas of rehabilitated land were monitored by motion sensor cameras to review their use as fauna habitat. This information will be used to educate mine operators on the importance of selection of trees for habitat and also to guide future studies centred around habitat management and fauna use of the mine areas and rehabilitation



Photograph 3: Brush tailed Phascogale – taken by motion sensor camera

LONG RANGE MINE PLAN

The Bauxite Ore Reserves that are the foundation of the Worsley Project are located near Boddington and lie within the STR, MTR, Quindanning Timber Reserve (QTR) and on privately owned land (including the Newmont Boddington Gold JV areas of the Hotham North mining area). Most of the Ore Reserves lie within and close to the western boundary of the State Agreement mining lease (ML258SA). Some Ore Reserves lie within the Western Saddleback Timber Reserve sub-leased from Alcoa's ML1SA, and Mining Act (1978) mining leases (M70/110 to M70/116) over private land along the Hotham River Valley and are contained within the Primary Bauxite Area (PBA).

Within the PBA, the current estimated and reported 'Ore Reserve' is 278Mdt (as at 30 June 2015). This is made up of 'Proved Ore Reserve' (253Mdt) and 'Probable Ore Reserve' (25Mdt).

Additional Mineral Resources supporting the Worsley Project total 850Mdt. These consist of 'Measured Mineral Resource' of 96Mdt, 'Indicated Mineral Resource' of 335Mdt and 'Inferred Mineral Resource' of 418 Mdt.

The current long-range mine plan calls for the SME (which includes STR and adjacent private property) and the MME (which includes MTR and adjacent private property) to be mined concurrently.

Mining in MME will be exhausted during the life of this plan. Nearing completion of mining within MME, operations will move to the Hotham North Mining Envelope (HNME) north west of Boddington. It is anticipated this area will again be linked by a conveying system, however studies are continuing into an optimum transport option.

During the reporting period a section 45C application was submitted to the OEPA to include additional areas of identified and potential bauxite resources adjacent to the SME within the PBA (notes 1 on Figure 4).

10 YEAR MINING PLAN

Bauxite is defined by progressively closer-spaced sample drilling. The annual drilling program is targeted to ensure detailed bauxite models are available approximately 3 years ahead of production. Drilling carried-out within and around the STR, QTR, MTR and HNME to date and the areas proposed to be drilled during the next 10 years is shown on Figure 3.

Development and Grade Control Drilling

Grade control drilling to a grid spacing of 25m and resource definition drilling on a 50m grid pattern will continue on ML258SA and Crown Land within the ML1SA Sublease for the next three years. Approximately 4,500 holes are planned per annum and will resume in October 2015. Priority drilling includes planned mining areas which have been identified for infill drilling to 25m grid (Figure 3). Drill depths are expected to average 10m.

The bauxite drilling program will commence using two vacuum tractor drill rigs. Worsley has insourced its development and grade control drilling program and the two vacuum rigs are now managed and operated internally. During the reporting period, where required, additional required drilling will be outsourced to a suitable contractor. The drilling equipment is designed for low environmental impact whereby no drilling fluids are used and comprehensive environmental procedures are in place for the operations. It is acknowledged that drilling areas include the following water catchment areas: Wellington Dam, Harris Dam, Brunswick, Mundaring Weir, Canning River and Serpentine Dam and accordingly strict operating protocols will be employed to ensure that no adverse impacts to water quality eventuate.

EXPLORATION DRILLING

There will be no exploration drilling program executed in the coming year.

MINING PLAN

Areas proposed to be cleared and areas of rehabilitation disturbed during the next 10 years are shown on Figure 4. Points of note are:

- Ore pods have been defined by drilling and subsequent geological block-modelling. The number, extent and boundaries of ore pods will differ from year to year as more drilling information becomes available and mining parameters change. Clearing limits extend beyond ore pod boundaries – final pod clearing limits (and associated haul-roads) are shown for areas to be cleared within the next two years only (Figure 4);
- Pods not yet secured by mining compensation agreements are shown and are incorporated in the mining schedule;
- Areas of potentially high conservation value (e.g. selected heathland and some Wandoo) and heritage value are excluded from the mineable Ore Reserve. The excluded areas are shown on Figure 4 as areas 'deferred from mining'. In addition, final clearing boundaries are reviewed

to ensure priority flora species are well represented in residual forest;

- Areas of rehabilitation proposed to be disturbed to facilitate mining operations are also shown on Figure 4. Detailed clearing plans will be provided to DER/DPAW and FPC to facilitate harvest planning;
- A heavy vehicle crossing of a minor public road (Morts road) within the MME will be established before the end of calendar year 2015 (note 2 Figure 4);
- Within the SME a heavy vehicle crossing of a major public road (Lower Hotham road) is proposed for establishment within the next 5 years (note 3 on Figure 4);
- To avoid an additional heavy vehicle crossing of a minor public road, and in consultation with affected residents and the Boddington Shire, Fletchers Lane has been closed (note 4 on Figure 4);

Although the general sequence of extraction in the initial period has not changed significantly from the 2015-2024 Plan of Bauxite Mining Operations (as amended), some changes from last year's plan include:

- Minor changes to the mining sequence allow for maximum efficiencies in ore blending to extend the life of the operations around the existing crusher hubs.

Marradong Disturbance Area

In 2011 a preliminary review of the life of mine disturbance was conducted for the MTR (and STR) to establish mining impact on remnant vegetation and its ultimate effect on ecosystem sustainability. This has been updated to reflect the current clearing areas.

It is estimated that approximately 79% of vegetation in the eastern MTR will eventually be disturbed.

Operational priorities will focus on:

- Maintaining linkages within MTR to facilitate ecological links between forest blocks. Figure 7 shows future disturbed areas and conceptual linkages for protection;
- Minimising disturbance area;
- Maintaining remnant patches of native vegetation of high conservation value;
- Ensuring rehabilitation of mined out areas occurs as soon as practicable following mining, to ensure the open area liability does not increase.

Figure 7 shows the future disturbed areas and conceptual linkages for protection. Changes to Figure 7 from the 2014 Plan of Bauxite Mining Operations include minor alignment changes due to scheduling adjustments for mining and rehabilitation within the timber reserve.

Investigation into the establishment of ecological linkages has been discussed between DPAW and WAPL. The establishment of linkages has been included in the WAPL DPAW working arrangements.

Table 1 below shows anticipated progressive remnant vegetation disturbance and percentage vegetation remaining for both MTR and STR.

Mining Act Tenement Mining

Following discussions and Environmental Management Liaison Group (EMLG) support in 2001-2 Worsley's mining act tenements have been managed as part of the Worsley State Agreement Act. Mining in M70/110-ML113 & M70/554 has been included in past 10 year plans and will commence in the coming reporting period.

Table 1: Disturbance and Percentage Remnant Vegetation						
	Years		Cleared (Ha)		Remnant Native Vegetation (ha)	
		Year	Cum	Total	%	
MARRADONG TIMBER RESERVE - EAST	1980-2015		620	318	34	
	2016-2018	118	738	200	21	
	2019-2020	0	738	200	21	
	2021-2025	0	738	200	21	
	after 2025	0	738	200	21	
SADDLEBACK TIMBER RESERVE - NORTH	1980-2015		927	450	33	
	2016-2018	1	928	449	33	
	2019-2020	6	933	444	32	
	2021-2025	64	998	379	28	
	after 2025	4	1002	375	27	
SADDLEBACK TIMBER RESERVE - EAST	1980-2015		335	313	48	
	2016-2018	73	408	240	37	
	2019-2020	16	424	224	35	
	2021-2025	6	429	219	34	
	after 2025	1	431	217	34	
SADDLEBACK TIMBER RESERVE - WEST	1980-2015		668	826	55	
	2016-2018	239	907	587	39	
	2019-2020	39	946	548	37	
	2021-2025	17	963	531	36	
	after 2025	1	965	529	35	
SADDLEBACK TIMBER RESERVE - SOUTH	1980-2015		1081	995	48	
	2016-2018	142	1223	853	41	
	2019-2020	63	1286	790	38	
	2021-2025	23	1308	768	37	
	after 2025	19	1328	748	36	
STR & MTR (EAST) - TOTAL	1980-2015		3631	2942	45	
	2016-2018	572.1	4204	2369	36	
	2019-2020	123.4	4327	2246	34	
	2021-2025	109.4	4436	2137	33	
	after 2025	26.1	4462	2111	32	

Hotham North Mining

Mining in the HNME is planned to commence within the Worsley 10 year planning cycle. An identification study to determine the direction for the operation "Beyond Marradong" was undertaken during 2014. A Selection Phase Study will continue in the coming period to determine the logistics and transport options for this next stage. Figure 5 shows a conceptual haul road to bring close tonnes in Hotham North back to the Marradong crusher. This alignment will be finalised following further study. The mining areas shown in Figure 4 are based on the Life of Asset (LoA) mine plan. This plan is reviewed annually and is subject to change with subsequent ore pod selection changes.

There is expected interaction with the Newmont Boddington Gold operations and both parties are liaising regarding this issue.

Haul Roads

Projected trunk haul-roads within the Saddleback, Marradong and Hotham North mining envelopes, including those that access bauxite not yet secured by mining compensation agreements, are shown on Figure 5. Haul-roads through mined or future ore pods are not shown.

Generally, haul-roads are planned to be located as close as possible to the contour to provide the most productive hauls and manage drainage. Haul-roads are routed through bauxite pods wherever practical to minimise incremental clearing and allow sinking of roads to reduce the impact of mining noise. During detailed planning it is often possible to extend pods into lower alumina grade areas to maximise the length of haul-roads within pits.

Haul-roads to the areas not yet fully drilled are particularly prone to re-assessment as ore body boundaries and locations change.

There have been no major changes in haul-road alignment from that depicted in the 2015-2024 Plan of Bauxite Mining Operations.

Refinery Mining

During 1999 Worsley Alumina submitted a proposal for contingency bauxite mining within Mining Lease 70/1035 (since incorporated into Mining Lease 258SA and surrendered) located near the Worsley Refinery at Collie (note 5 on insert to Figure 4). Subject to stated commitments, approval was subsequently granted in September 1999, by the then Department of Environmental Protection and Environmental Protection Authority.

The purpose of the mining operation is to provide an emergency bauxite supply at the Refinery site. The emergency supply would be called-upon if constraints at the BBM or a failure of the Overland Bauxite Conveyor threatened the supply of bauxite to the Refinery. To date, an initial mining area of some 15 Ha has been partially developed (by salvage of millable timber) so that a mining operation could be instigated at very short notice.

Forest Health

Worsley arranges for a specialist contractor to undertake Phytophthora and Armillaria inspections of Crown and private land prior to clearing. In previous 10 year plan documents, only the extent of known, operationally significant Phytophthora and Armillaria infections were shown on maps. Figure 4 in this report has been updated to include all Hygiene Management Zones, which includes mapped Phytophthora and/or Armillaria infestations and also areas interpreted as unmappable and uninterpretable which is in line with DPAW requirements and will ensure more efficient management of the site hygiene requirements.

In the reporting period, 655.6 Ha of the STR, MTR, private property and WAPLJV owned land were surveyed and interpreted for the presence of Phytophthora-related dieback forest disease. The survey included areas to be cleared for mining during the 2015 - 2017 period.

The areas of STR and MTR were found to be uninfested (318.4 Ha) and uninterpretable (47.8 Ha). Areas of grazed Joint Venture and private property were labelled as uninfested (34.3 Ha), infested (4 Ha) and uninterpretable (211.3 Ha). To ensure that areas did not pass their interpretation revision date, some areas were rechecked.

In FY2016, BBM plan to again conduct Phytophthora and Armillaria inspections within STR, MTR, private land and WAPLJV prior to clearing. The assessment will include all areas planned for harvest during 2016 and 2017, as well as areas proposed for prescribed burning, if they will be cleared within the subsequent three year period.

Land Disturbance and Rehabilitation

Crown land forest rehabilitation programs are based on a prescription detailed in the document "Bauxite Mining Rehabilitation: Agreed Arrangements between Worsley Alumina and the Department of Parks and Wildlife", which was implemented in 1986. Upon completion of mining, areas are rehabilitated as soon as practicable.

Rehabilitation objectives for forested WAPLJV owned land are similar to that of Crown land. For other private properties, restoration is an agreed prescription to the satisfaction of the landowner and the Minister.

During 2015, mining and other disturbed areas totalling 192.6 Ha were revegetated (refer Figure 6). Areas were seeded from April to June 2015.

Points of interest in the rehabilitation work include:

- All areas that required scarification were fertilised at the same time using a dozer mounted spreader. Areas returned to bush vegetation were seeded using a mechanical seeder. Results of establishment monitoring conducted in the 2014 rehabilitation areas (at 9 months of age) indicate that tree and understorey species in areas of State Forest met their density and cover targets;
- No remedial work was undertaken in rehabilitation areas of previous years.
- During 2015, direct replacement of topsoil was completed on 51.04% of State Forest rehabilitation, this was predominately achieved with the application of sieved topsoil (Direct return included 13.5 ha of fresh return and/or striping, and 74.03 ha treated with sieved topsoil);
- All tree species within the 2015 state forest rehabilitation areas were direct seeded;
- Two tree vegetation type models were used to re-establish the pre-mining communities in 2015. These seed mixes were modelled on the vegetation community Jarrah Mid-slope (JLc) and Jarrah Upper-slope (JBg);
- 18 recalcitrant plant species were planted in the operational 2015 rehabilitation. The reduction in the number of species utilised in FY2015 was associated with availability of seedlings and taxonomic identification updates of the *Lepidosperma* species that have been collected and planted onsite;
- 171.5 Ha of Crown land and 21.1 Ha of private property and WAPLJV owned land was re-vegetated.

Sections of bauxite pits totalling approximately 162 Ha are scheduled for rehabilitation in 2015. Figure 6 shows proposed rehabilitation as well as the areas completed to date.

A summary of bauxite production, clearing and rehabilitation is provided in Table 2 and Chart 1. The total percentage of un-rehabilitated land is comparable to that reported last year. Rehabilitation focus for the coming year will be in state forest and private bush areas.

Table 3 gives a detailed breakdown of the use of Crown land cleared but not rehabilitated. There has been a slight reduction in the percentage of Crown land used for roads compared to the previous year.

Table 4 shows replanting in non-mined areas which has been completed to date.

Table 2: Production, Clearing, Pasture Disturbance and Rehabilitation Summary

	Year	Mdt bauxite produced		Cleared # (ha)		Rehabilitated Æ (ha)		Un-Rehabilitated (ha)		
		Year	Cum	Year	Cum	Year	Cum	Change	Total	% Ø
Crown land forest	1980-2013		215.2		3,263		1,846		1,416	28.8
	2014	14.4	229.6	141	3,404	42.0 _¥	1,888	99.0	1,516	30.9
	2015	11.9	241.5	204.9	3,608.9	147 _µ	2,035	57.9	1,573.9	32.1
	2016	9.1	250.6	203	3,811.9	94 _δ	2,129	109	1,682.9	34.3
Private land forest	1980-2013		14.1		391.0		304		87	1.8
	2014	0.9	15.0	58.0	449.0	26.0	330	32.0	119	2.4
	2015	3.3	18.3	68.0	517.0	21.0	351	47.0	166	3.4
	2016	4.2	22.5	59.5	576.5	43.0	394	16.5	182.5	3.7
Private land pasture	1980-2013		13.2		382.0		193		189	3.9
	2014	0.8	14	20	402	-	193	20	209	4.3
	2015	2.2	16.2	64.0	466.0	-	193	64	273	5.6
	2016	4.2	20.3	54	520	7	200	47	320	6.5
Total			293.4		4,908.4		2,723		2,185.4	44.5
Projection										

All figures are rounded.

" To the end of October up till 2003 for each parameter. To the end of June for remainder.

¥ Includes 'disturbed' in Private Land Pasture.

Æ Areas rehabilitated – excludes areas not yet revegetated where earthworks are underway or completed

Ø Cumulative un-rehabilitated area as a percent of the total cumulative clearing and disturbance.

_¥ 43 Ha Reveg, 1 Ha Rehab Clearing

_µ Includes 171.6 Ha Reveg - 24.6 Ha Rehab Clearing

_δ Includes 112.3 Ha Reveg - 18.7 Ha Rehab Clearing

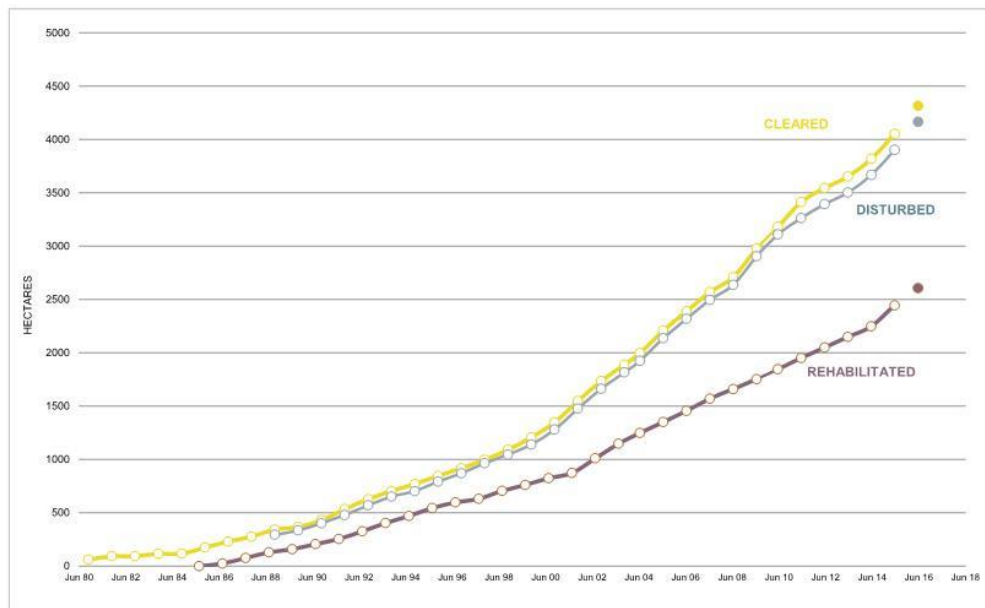


Chart 1 Cumulative Clearing & Rehabilitation

Table 3: Use of Un rehabilitated Crown Land (as at June 2015)

Use of Land	Hectares	% of Total
Operating Pits (including in-pit haul roads)	964	61%
Trunk Haul-Roads (including sumps and batters)	433	28%
Fixed Facilities, Minor Roads and IROMS	177	11%
TOTAL	1,574	100%

Table 4: Area Cleared for Non-mining Purposes and re-planted

Replanting purpose	WAPLJV*	Other	
Plantation	208	0	0
Wildlife Corridor Revegetation	14	0	0
Screen Vegetation ‡	13	6	0
Track and Gravel-Pit Revegetation	12	0	1
Salt and Water-Logging Remediation	24	8	0
TOTAL	271	14	1

* Worsley Alumina Joint Venture owned land

‡ Excludes road-side enrichment planting

During 2015 weed management continued on a small outbreak of *Typha orientalis* and One-Leafed Cape Tulip within the Marradong Brook. An ongoing management program has been implemented to reduce the population and prevent further spread of these weeds.

Management of approximately 208 Ha of Sydney Blue Gum and WA Sandalwood plantation on WAPLJV owned land continued during 2015. FPC is managing these plantations as part of a 25 year agreement with Worsley. The timber plantations will provide screening in the medium term around existing and future mining areas. No new plantations were established and 1ha of existing plantation area was reclaimed during 2014. The mine plan indicates some peripheral areas within the Ex-Robins property plantation will require reclamation in the coming two years; this will be progressed with FPC as required.

A more detailed discussion of rehabilitation work is provided in the project FY2015 Annual Environmental Report (AER).

Sustainability

Managing sustainability of the forested areas within the mining envelopes includes:

- Undertaking baseline surveys of the area to identify vegetation to be protected including Threatened Ecological Communities (TEC's), Priority Ecological Communities (PEC's) and priority flora;
- Identification of biodiversity areas of interest (including communities which are represented at a lower rate within the mining area, but which aren't classified as TEC's) during baseline surveys allows appropriate consideration to be given to the area during clearing planning. The areas are considered when planning mining within Worsley's five year planning cycle – they are highlighted and referred for consideration by the Environmental Department in conjunction with the Operational Planning team. In general terms the areas are available for mining (ore) but preference

should be given not to clear them when considering mining support functions (e.g. placement of overburden stockpiles – planning for these should be prioritized on well represented vegetation communities where practical);

- Rehabilitation planning to promote the restoration of ecological linkages; while recognized this is not completely practical within the MME due to the location of the conveyor and intensity of mining. Early consideration may enable quicker restoration of linkages. Five year planning for rehabilitation is also covered within the Worsley five year plan (internal document);
- Vegetation complexes (Michibin, Lukin 2 and Dalmore 2) which have less than 30% remaining are identified during the five year mining process. Heaths and granite outcrops within the Michibin complex are identified and following review will be excised from mining. Lukin 2 and Dalmore 2 complexes that are not severely degraded will also be excised from mining.

BBM Water Supply

Water to support BBM operations is sourced from numerous production bores located in the areas of Tunnell Road, Karafil Road, south east STR, Fawcett haul-road and Marradong (refer Figure 8). In addition, surface water run-off and rainwater is collected in the disused south pit and Berry's dam.

Total groundwater usage for 2015 increased by 23% compared to 2014. This increase is primarily attributable to the increased haul distance and the maintenance of two mining hubs.

Contributions from each water source and historical ground water abstraction rates are represented in Chart 2 and Chart 3 respectively. The projected water use for 2016 is shown on Chart 3. The ground water abstraction is expected to increase due to the forecasted increase in bauxite mined, and concurrent operations in the SME and MME.

Further results are provided in the project 2014-2015 AER.

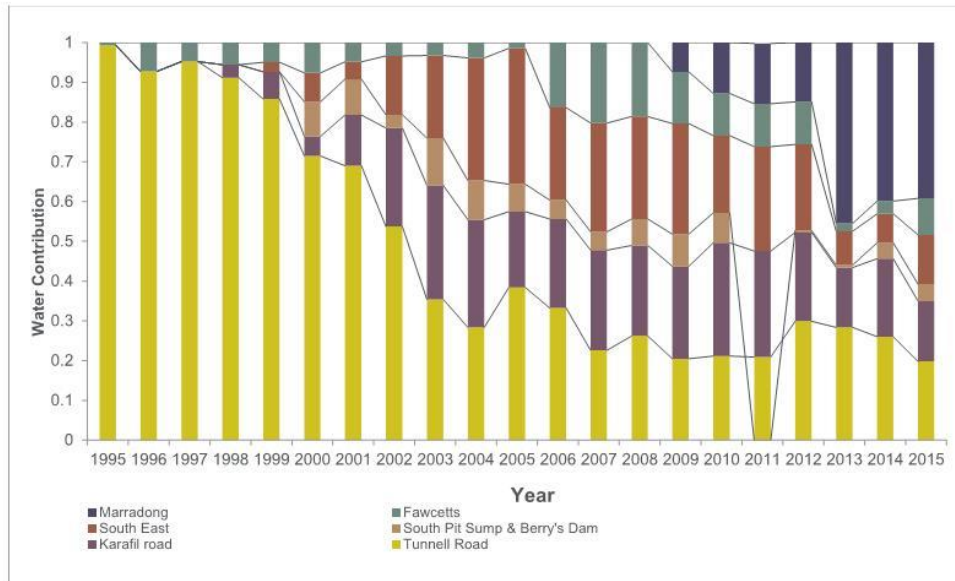


Chart 2 Water Sourced from Sectors

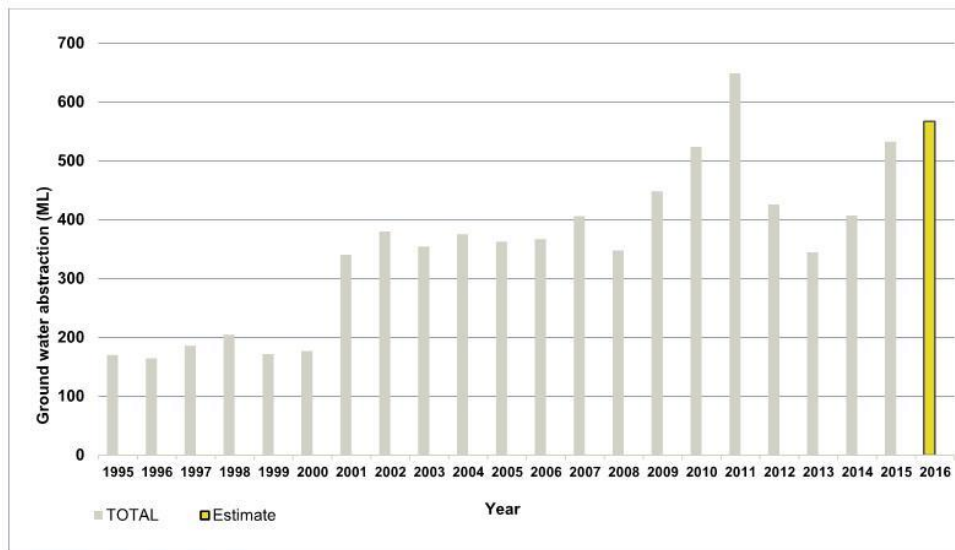


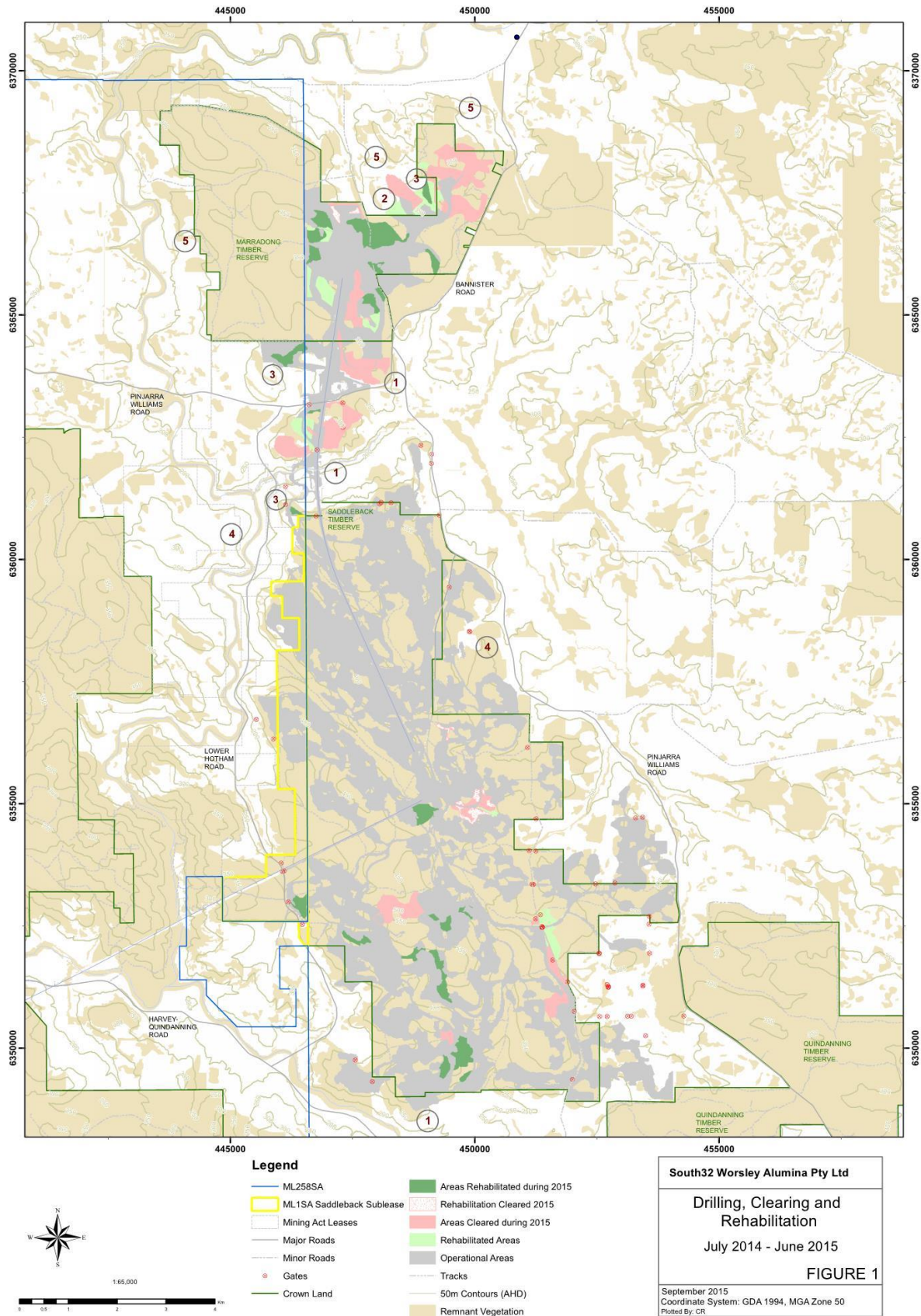
Chart 3 Groundwater abstraction

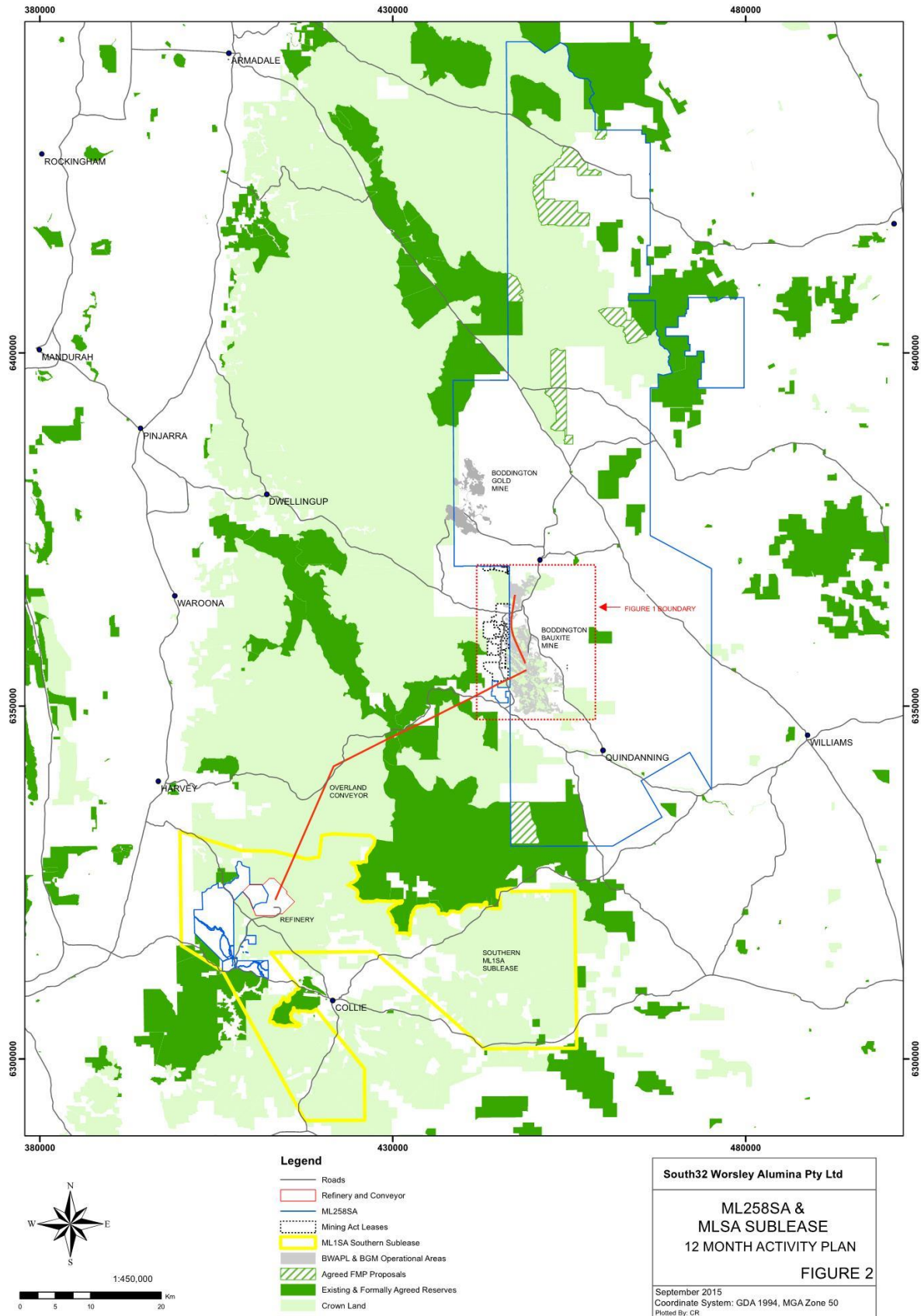
DEFINITIONS, TERMS AND ABBREVIATIONS

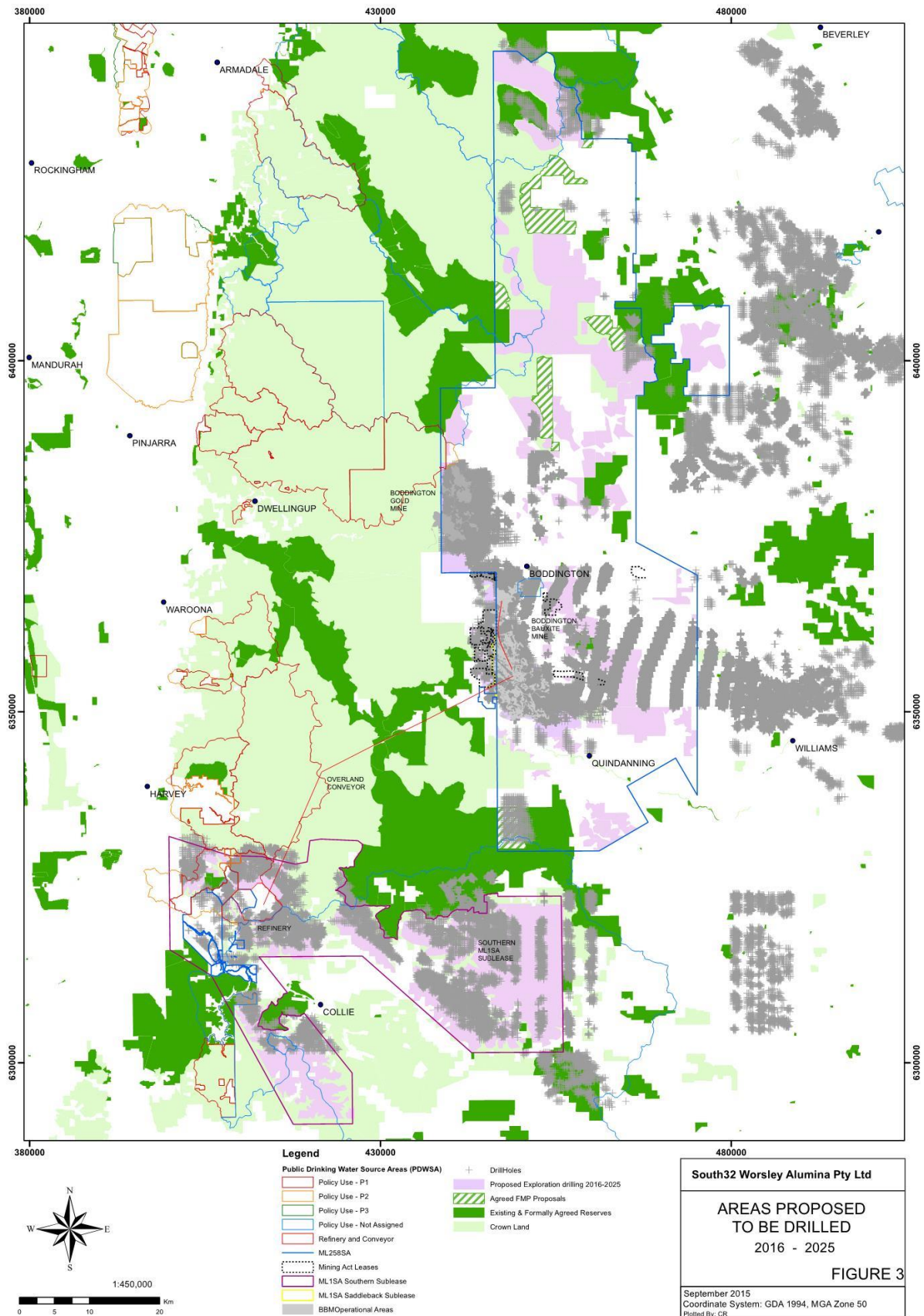
AER	South32 Worsley Alumina Annual Environmental Report
BBM	Boddington Bauxite Mine
EMLG	Environmental Management Liaison Group
DER	Department of Environmental Regulation
DPAW	Department of Parks and Wildlife
ERMP	Environmental Review and Management Programme
FPC	Forest Products Commission
GPS	Global Positioning System
HNME	Hotham North Mining Envelope
IROM	Intermediate Run of Mine Stockpile
Mdt	Million dry tonnes
ML	Mining Lease
MME	Marradong Mining Envelope
MTR	Marradong Timber Reserve
OBC	Overland Bauxite Conveyor
PBA	Primary Bauxite Area
PM10	Particulate Matter with a nominal aerodynamic diameter of 10 µm
QTR	Quindanning Timber Reserve
ROM	Run Of Mine
SME	Saddleback Mining Envelope
STR	Saddleback Timber Reserve
WAPLJV	Worsley Joint Venture Owners (South32 86%, Japan Alumina Associates (Australia) Ltd 10% and Sojitz Alumina 4%)

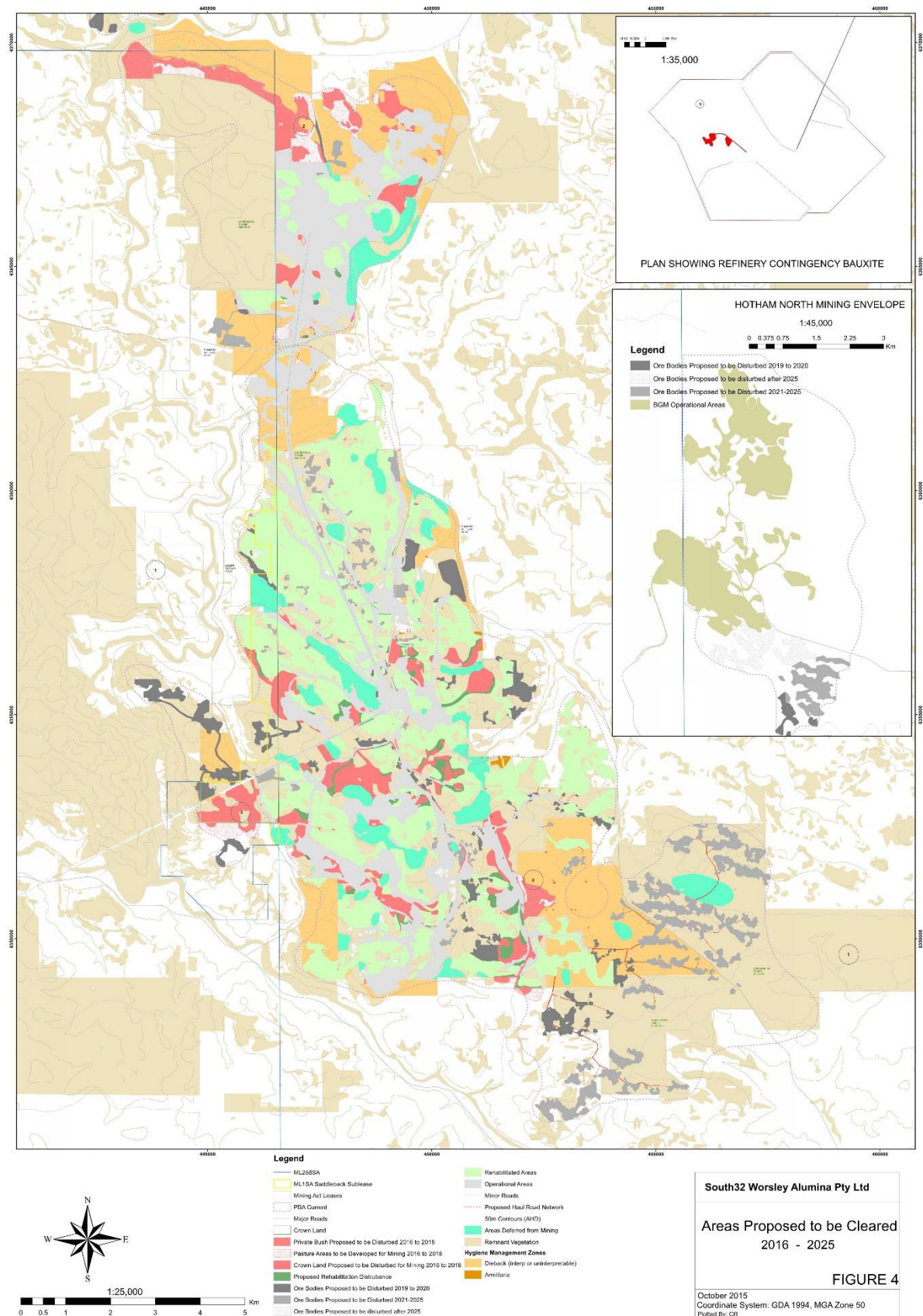
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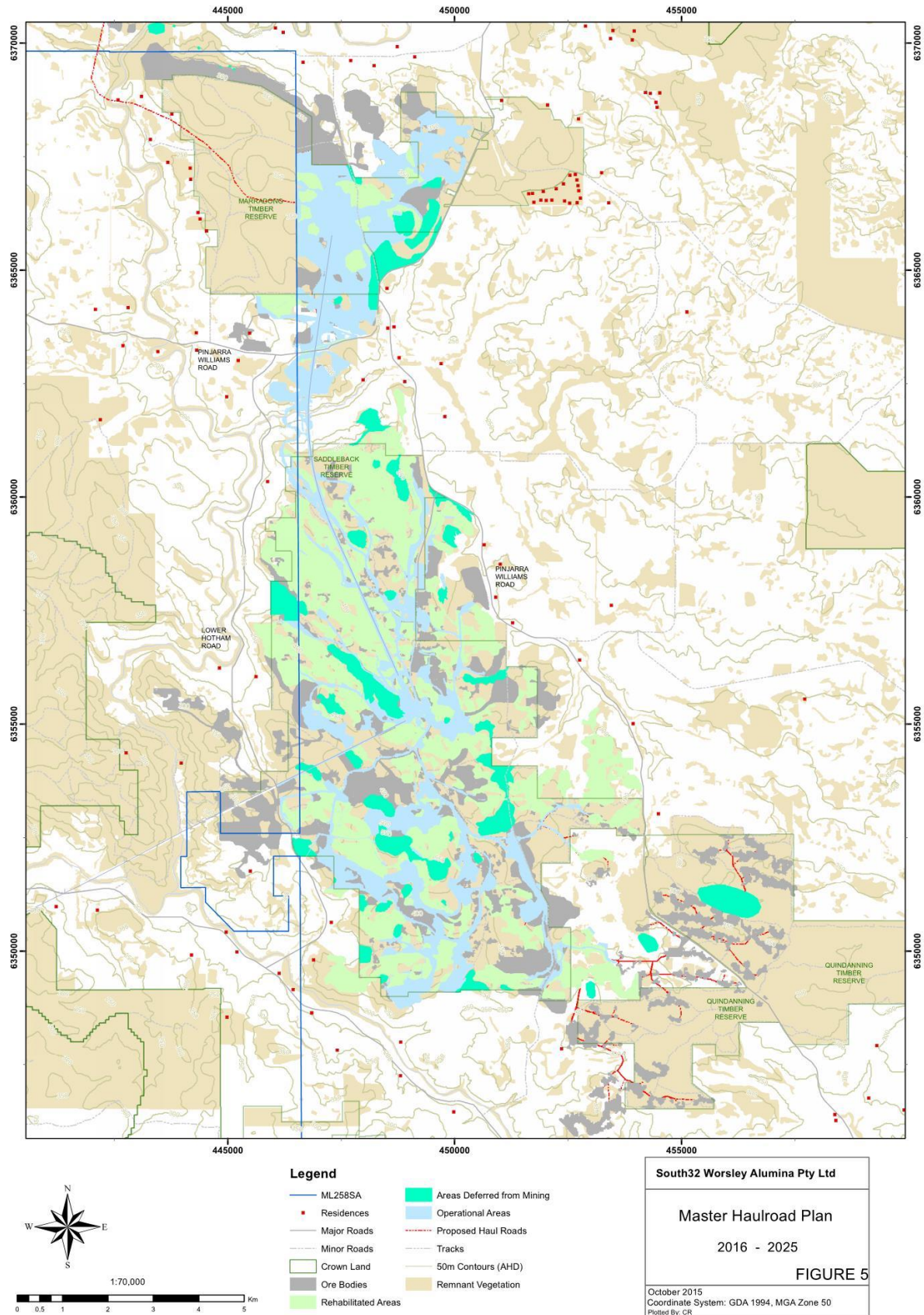
FIGURE 1	Drilling, Clearing and Rehabilitation – July 2014 to June 2015
FIGURE 2	ML258SA 12 Month Activity Plan
FIGURE 3	Areas Proposed to be Drilled 2016 – 2025
FIGURE 4	Areas Proposed to be Cleared 2016 – 2025
FIGURE 5	Master Haul-road Plan 2016 – 2025
FIGURE 6	Rehabilitation to Date and Proposed for 2016
FIGURE 7	Ecological Linkages
FIGURE 8	Monitoring and Production Bore Locations

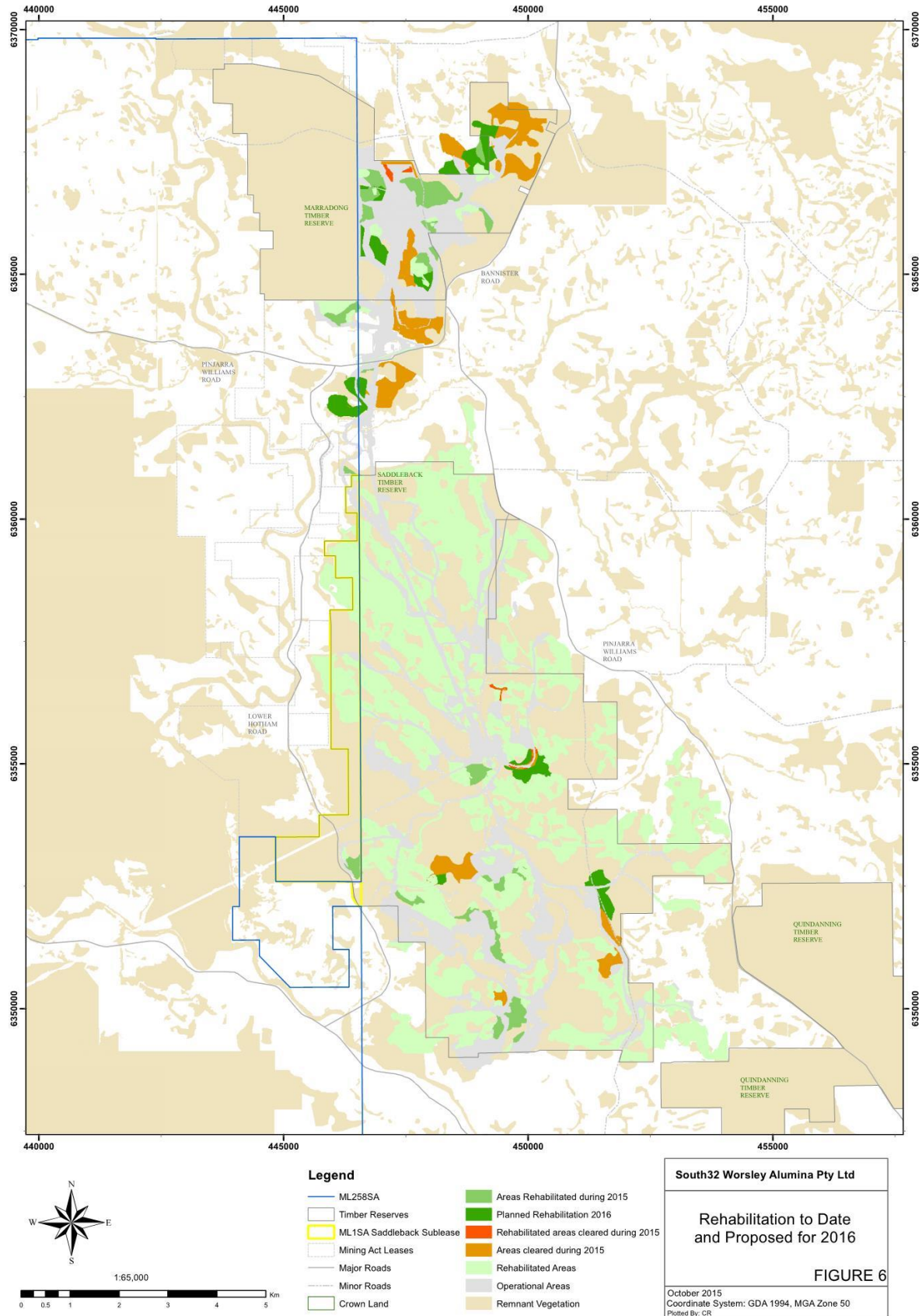


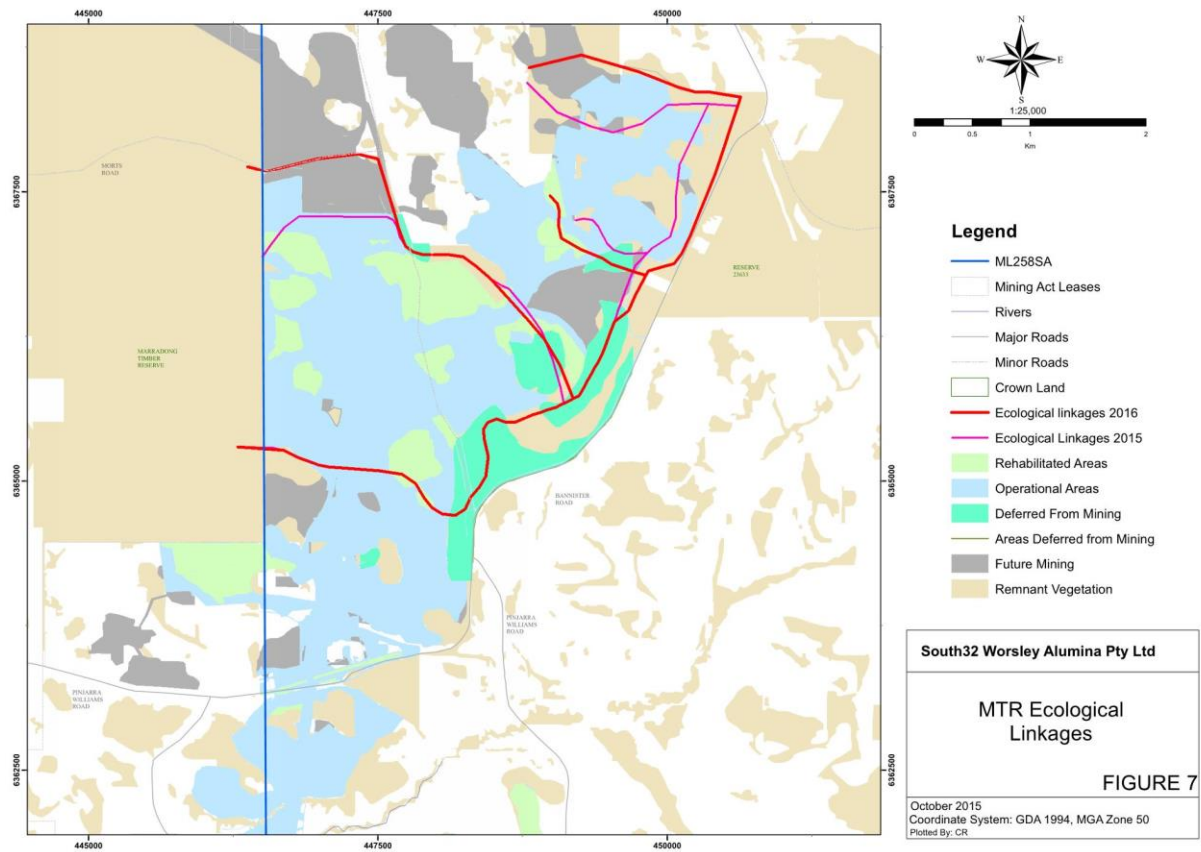


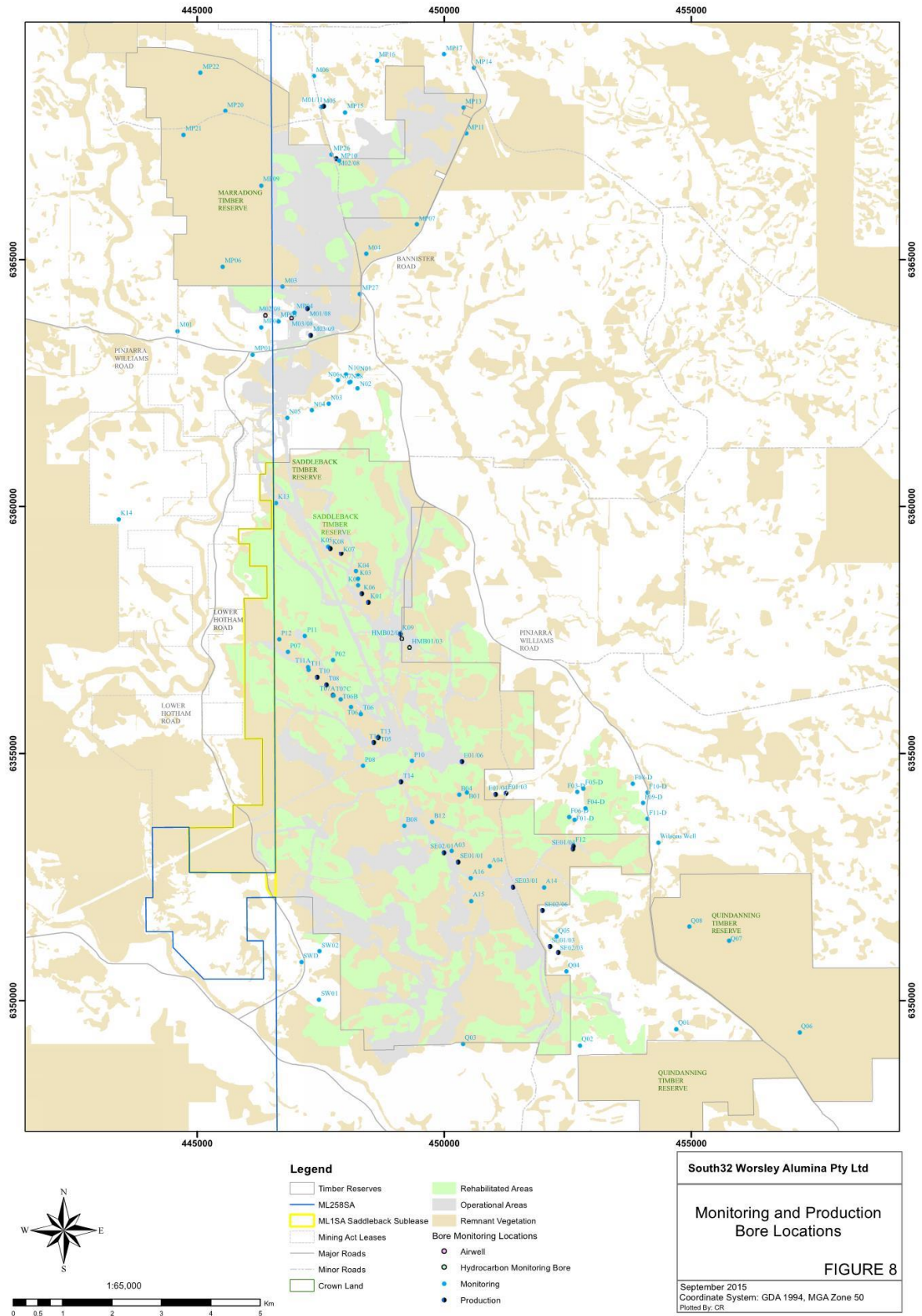














Premier of Western Australia

Our Ref: 24-586198

Ms Alysia Tringrove
Vice President Operations, Worsley Mine and Materials
South32 Worsley Alumina Pty Ltd
PO Box Z5184
108 St Georges Terrace
PERTH WA 6831

Dear Ms Tringrove

I refer to the submission of South32 Worsley Alumina Pty Ltd's (SWAPL) Plan of Bauxite Mining Operations 2016-2025 (Mine Plan) in October 2015 and the Annual Environmental Report 2014-2015 (AER) in September 2015.

The Mine Plan and AER were submitted pursuant to clauses 16(10) and 5A(3) respectively of the *Alumina Refinery (Worsley) Agreement Act 1973* (State Agreement). I understand that the Environmental Management Liaison Group (EMLG) met formally to review and comment on both documents on 19 November 2015.

In regard to the Mine Plan, I understand that the Department of Parks and Wildlife (DPaW) provided comments in relation to ecological linkages, haul road locations at Hotham North, and an area in the Quindanning Timber Reserve. These comments were satisfactorily addressed by SWAPL.

Also, in regard to the AER, primarily DPaW, Department of Water, the Department of Agriculture and Food Western Australia and Office of the Environmental Protection Authority provided comments that were either noted, clarified by way of additional information, and/or agreed to be incorporated into next year's report by SWAPL.

I have been informed that the EMLG is satisfied that both the Mine Plan and AER fulfil Worsley's requirements under the State Agreement and the *Environmental Protection Act 1986*.

Yours sincerely

A handwritten signature in blue ink, appearing to read 'Colin Barnett'.

Colin Barnett MLA
PREMIER; MINISTER FOR STATE DEVELOPMENT

22 JAN 2016

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Hon Mark McGowan MLA
Minister for the Environment;
Racing and Gaming

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Statement No.

000718

**STATEMENT THAT A REVISED PROPOSAL MAY BE IMPLEMENTED
(PURSUANT TO THE PROVISIONS OF THE
ENVIRONMENTAL PROTECTION ACT 1986)**

**WORSLEY ALUMINA – PRODUCTION TO MAXIMUM CAPACITY OF 4.4MTPA
ALUMINA AND ASSOCIATED MINING**

**SHIRE OF BEVERLEY, SHIRE OF BODDINGTON, SHIRE OF BROOKTON
SHIRE OF COLLIE, SHIRE OF HARVEY, SHIRE OF WANDERING AND
SHIRE OF WILLIAMS**

Proposal: To upgrade the Worsley alumina refinery in order to increase
production to 4.4 million tonnes per annum (Mtpa).

Proponent: Worsley Alumina Pty Ltd

Proponent Address: PO Box 344
COLLIE WA 6225

Assessment Numbers: 984, 1526

Previous Statement Number: 423 (published on 2 July 1996)

Reports of the Environmental Protection Authority: Bulletins 823, 1209

The conditions and procedures of this statement supersede those conditions and
procedures of statement 423 in accordance with section 45B of the *Environmental
Protection Act 1986*.

**A. REVISED PROPOSAL: REPORTS OF THE ENVIRONMENTAL
PROTECTION AUTHORITY - BULLETINS 823 AND 1209.**

The revised proposal to which the Reports of the Environmental Protection Authority –
Bulletins 823 and 1209 relate may be implemented by the proponent subject to the
following conditions and procedures that apply to all mining, construction and operation
within and outside the Primary Bauxite Area:

Published on:

13 APR 2006

1 Implementation

- 1-1 The proponent shall implement the proposal as documented in schedule 1 of this statement subject to the conditions and procedures of this statement.

2 Proponent Commitments

- 2-1 The proponent shall implement the environmental management commitments documented within schedule 2 of this statement.

3 Proponent Nomination and Contact Details

- 3-1 The proponent for the time being nominated by the Minister for the Environment under section 38(6) or (7) of the *Environmental Protection Act, 1986* is responsible for the implementation of the proposal until such time as the Minister for the Environment has exercised the Minister's power under section 38(7) of the Act to revoke the nomination of that proponent and nominate another person as the proponent for the proposal.
- 3-2 If the proponent wishes to relinquish the nomination, the proponent shall apply for the transfer of proponent and provide a letter with a copy of this statement endorsed by the proposed replacement proponent that the proposal will be carried out in accordance with this statement. Contact details and appropriate documentation on the capability of the proposed replacement proponent to carry out the proposal shall also be provided.
- 3-3 The nominated proponent shall notify the Department of Environment of any change of contact name and address within 60 days of such change.

4 Commencement and Time Limit of Approval

- 4-1 The proponent shall substantially commence the proposal within five years of the date of this statement or the approval granted in this statement shall lapse and be void.

Note: The Minister for the Environment will determine any dispute as to whether the proposal has been substantially commenced.

- 4-2 The proponent shall make application for any extension of approval for the substantial commencement of the proposal beyond five years from the date of this statement to the Minister for the Environment, prior to the expiration of the five-year period referred to in condition 4-1.

The application shall demonstrate that:

1. the environmental factors of the proposal have not changed significantly;
2. new, significant, environmental issues have not arisen; and
3. all relevant government authorities have been consulted.

Note: The Minister for the Environment may consider the grant of an extension of the time limit of approval not exceeding five years for the substantial commencement of the proposal.

5 Compliance Audit and Performance Review

5-1 The proponent shall prepare an audit program. The aim of this audit program is to ensure that there is on-going compliance with this Ministerial Statement. The audit program shall include the following:

1. an audit table, which lists the implementation conditions and the proponent's commitments, and details how these will be met by listing the actions required, their objectives, details of how the actions/objectives will be achieved, and the relevant timeframes; and
2. details of any criteria and/or standards that will be used to measure compliance, and the rationale for their use.

5-2 The proponent shall submit compliance reports in accordance with the audit program approved by the Department of Environment and the compliance monitoring guidelines, and shall:

1. describe, or update, the status of implementation of the proposal;
2. provide verifiable evidence of compliance with the conditions, procedures and commitments;
3. review the effectiveness of corrective and preventative actions contained in the environmental management plans and programs;
4. provide verifiable evidence of the fulfilment of requirements specified in the environmental management plans and programs;
5. identify all confirmed non-conformities and non-compliances and describe the related corrective and preventative actions taken; and
6. identify potential non-conformities and non-compliances and provide evidence of how these are being assessed for corrective action

Note: Under sections 48(1) and 47(2) of the *Environmental Protection Act 1986*, the Chief Executive Officer of the Department of Environment is empowered to monitor the compliance of the proponent with the statement and should directly receive the compliance documentation, including environmental management plans, related to the conditions, procedures and commitments contained in this statement.

5-3 The proponent shall submit a performance review report every five years following the formal authority issued to the decision-making authorities under section 45(7) of the *Environmental Protection Act 1986*, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority, which addresses:

1. the major environmental issues associated with implementing the project; the environmental objectives for those issues; the methodologies used to achieve these; and the key indicators of environmental performance measured against those objectives;
 2. the level of progress in the achievement of sound environmental performance, including industry benchmarking, and the use of best practicable measures available;
 3. significant improvements gained in environmental management, including the use of external peer reviews;
 4. stakeholder and community consultation about environmental performance and the outcomes of that consultation, including a report of any on-going concerns being expressed; and
 5. the proposed environmental objectives over the next five years, including improvements in technology and management processes.
- 5-4 The proponent may submit a report prepared by an independent auditor to the Chief Executive Officer of the Department of Environment on each condition or commitment of this statement which requires the preparation of a management plan, programme, strategy or system, stating whether the requirements of each condition or commitment have been fulfilled within the timeframe stated within each condition or commitment.

6 Greenhouse Gas Abatement

- 6-1 Prior to commencement of construction, the proponent shall prepare a Greenhouse Gas Emissions Management Plan to:
- ensure that through the use of best practice, the total net "greenhouse gas" emissions and/or "greenhouse gas" emissions per unit of product from the project are minimised; and
 - manage "greenhouse gas" emissions in accordance with the *Framework Convention on Climate Change, 1992*, and consistent with the National Greenhouse Strategy;
- to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

This Plan shall include:

1. calculation of the "greenhouse gas" emissions associated with the proposal, as advised by the Environmental Protection Authority;

Note: The current requirements of the Environmental Protection Authority are set out in: *Minimising Greenhouse Gas Emissions, Guidance for the Assessment of Environmental Factors, No. 12* published by the Environmental Protection Authority (October 2002). This document may be updated or replaced from time to time.

2. specific measures to minimise the total net "greenhouse gas" emissions and/or the "greenhouse gas" emissions per unit of product associated with the proposal using a combination of "no regrets" and "beyond no regrets" measures;

Note: The following definitions apply:

1. "no regrets" measures are those which can be implemented by a proponent and which are effectively cost-neutral.
 2. "beyond no regrets" measures are those which can be implemented by a proponent and which involve additional costs that are not expected to be recovered.
3. estimation of the "greenhouse gas" efficiency of the project (per unit of product and/or other agreed performance indicators) and comparison with the efficiencies of other comparable projects producing a similar product, both within Australia and overseas;
 4. actions for the monitoring and annual reporting of "greenhouse gas" emissions and emission reduction strategies;
 5. a target set by the proponent for the reduction of total net "greenhouse gas" emissions and/or "greenhouse gas" emissions per unit of product and as a percentage of total emissions over time, and annual reporting of progress made in achieving this target. Consideration should be given to the use of renewable energy sources such as solar, wind or hydro power;
 6. consideration by the proponent of entry (whether on a project-specific basis, company-wide arrangement or within an industrial grouping, as appropriate) into the Commonwealth Government's "Greenhouse Challenge" voluntary cooperative agreement program. Components of the agreement program include:
 - an inventory of emissions;
 - opportunities for abating "greenhouse gas" emissions in the organisation;
 - a "greenhouse gas" mitigation action plan;
 - regular monitoring and reporting of performance; and
 - independent performance verification.
- 6-2 The proponent shall implement the Greenhouse Gas Emissions Management Plan required by condition 6-1.
 - 6-3 Prior to the commencement of construction, the proponent shall make the Greenhouse Gas Emissions Management Plan required by condition 6-1 publicly available.

7 Decommissioning

- 7-1 Within twelve months following the commencement of construction, the proponent shall prepare a Preliminary Decommissioning Plan to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

The Preliminary Decommissioning Plan shall provide the framework to ensure that the site is left in an environmentally acceptable condition.

The Preliminary Decommissioning Plan shall address:

1. the rationale for the siting and design of plant and infrastructure as relevant to environmental protection, and conceptual plans for the removal or, if appropriate, retention of plant and infrastructure;
2. the long-term management of ground and surface water systems affected by the refinery, coal stockpiles, waste disposal areas, and associated infrastructure;
3. a conceptual rehabilitation plan for all disturbed areas and a description of a process to agree on the end land use(s) with all stakeholders;
4. a conceptual plan for a care and maintenance phase; and
5. management of potentially polluting materials to avoid the creation of contaminated areas.

- 7-2 At least 12 months prior to the anticipated date of decommissioning, or at a time agreed with the Environmental Protection Authority, the proponent shall prepare a Final Decommissioning Plan to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

The objective of the Final Decommissioning Plan is to ensure that the site is left in an environmentally acceptable condition.

The Final Decommissioning Plan shall address:

1. the removal or, if appropriate, retention of plant and infrastructure in consultation with relevant stakeholders;
2. the long-term management of ground and surface water systems affected by the refinery, coal stockpiles, waste disposal areas, and associated infrastructure;
3. rehabilitation of all disturbed areas to a standard suitable for the agreed new land use(s); and
4. identification of contaminated areas, including provision of evidence of notification and proposed management measures to relevant statutory authorities.

- 7-3 The proponent shall implement the Final Decommissioning Plan required by condition 7-2 until such time as the Minister for the Environment determines, on advice of the Environmental Protection Authority, that the proponent's decommissioning responsibilities are complete.
- 7-4 The proponent shall make the Final Decommissioning Plan required by condition 7-2 publicly available.

B. REVISED PROPOSAL: REPORT OF THE ENVIRONMENTAL PROTECTION AUTHORITY - BULLETIN 1209.

The revised proposal that relates to the Report of the Environmental Protection Authority - Bulletin 1209 may be implemented by the proponent subject to the following further conditions and procedures that apply to:

- upgrades and modifications to the Worsley alumina refinery;
- operations at the Worsley alumina refinery;
- mining outside the Primary Bauxite Area as shown in Figure 2; and
- construction of additional bauxite transport corridors outside of the Primary Bauxite Area.

8 Biodiversity-Related Investigations

- 8-1 The proponent shall prepare a draft Scope of Biodiversity-related Investigations document which encompasses those areas within the proposed new mining areas, shown in Figure 2 of schedule 1, and sufficient surrounding area to provide for information on regional context.

The draft Scope of Biodiversity-related Investigations shall include investigation of the following matters:

1. the occurrence and spatial extent of floristic and vegetation communities at local and regional scale;
2. the condition of floristic and vegetation communities identified in Item 1 above;
3. the occurrence and spatial extent of Threatened Ecological Communities (TECs), including nominated TECs;
4. the occurrence and extent of Declared Rare and Priority Flora pursuant to the *Wildlife Conservation Act 1950* and other Priority Flora as identified in the database maintained by the Department of Conservation and Land Management;
5. the role and significance of ecological linkages;
6. the occurrence, severity and spatial extent of forest disease and the potential for the spread of forest disease;
7. characterisation of landform;
8. the identification and spatial extent of fauna habitat, including specifically, habitat for Threatened, Priority listed and other significant Fauna, and significant Short Range Endemic fauna, and other significant invertebrate taxa;

9. the occurrence and abundance of vertebrate fauna, including specifically, threatened fauna as defined in the *Wildlife Conservation Act 1950* or the *Commonwealth Environmental Protection and Biodiversity Conservation Act 1999*; Priority fauna as defined and listed by the Department of Conservation and Land Management (CALM); obligate tree hollow nesting or roosting species; and species requiring specialised habitats or resources, including Honey Possums;
 10. the occurrence and abundance of significant Short Range Endemic and other significant invertebrate taxa;
 11. groundwater systems and the occurrence and distribution of groundwater-dependent ecosystems;
 12. stream flow and quality, and stream-dependent ecosystems;
 13. weed and pest severity status in State Forest; and
 14. impacts of climate change.
- 8-2 The proponent shall, within twelve months following the formal authority issued to the decision-making authorities under section 45(7) of the *Environmental Protection Act 1986*, submit the draft Scope of Biodiversity-related Investigations document required by condition 8-1 for review to:
1. the Department of Conservation and Land Management;
 2. the Conservation Commission of Western Australia;
 3. the Environmental Management Liaison Group (refer Procedure 5); and
 4. the Stakeholder Consultation Group (refer Procedure 6).
- 8-3 The proponent shall, within eighteen months following the formal authority issued to the decision-making authorities under section 45(7) of the *Environmental Protection Act 1986*, submit a revised Scope of Biodiversity-related Investigations document, taking into account all comments and recommendations (if any) received under condition 8-2, to the Minister for the Environment for endorsement on the advice of the Environmental Protection Authority, the Department of Conservation and Land Management and the Conservation Commission of Western Australia.
- 8-4 The proponent shall make the endorsed Scope of Biodiversity-related Investigations document referred to in condition 8-3 publicly available.
- 8-5 The proponent shall conduct biodiversity-related investigations in accordance with the endorsed Scope of Biodiversity-related Investigations document referred to in condition 8-3.

- 8-6 Prior to the lodgement of Bauxite Mining Plans (refer condition 11-1) and the commencement of ground-disturbing activities (including mining and transport corridor construction activities), the proponent shall prepare and submit a Biodiversity-related Investigations Report to the Minister for the Environment for endorsement on the advice of the Environmental Protection Authority, the Department of Conservation and Land Management and the Conservation Commission of Western Australia which details the results of biodiversity-related investigations conducted as required by condition 8-5.

The Biodiversity-related Investigations Report shall include the following:

1. written certification that the endorsed Scope of Biodiversity-related Investigations document is complete;
 2. key biodiversity values to be protected;
 3. indicators, parameters or criteria to be used in measuring maintenance of the key biodiversity values identified, and ongoing monitoring requirements;
 4. outcomes and findings for each of the matters investigated, including those matters identified in condition 6-3;
 5. surveyed plans detailing the ecological linkages and the proposed areas of zero disturbance;
 6. the proposed areas of zero disturbance; and
 7. defined buffer areas around ecological linkages and areas of zero disturbance.
- 8-7 The proponent shall make the Biodiversity-related Investigations Report required by condition 8-6 publicly available.

9 Protection of Biodiversity

- 9-1 The proponent shall not, unless otherwise approved by the Minister for the Environment on advice of the Environmental Protection Authority and the Department of Conservation and Land Management, implement the proposal so as to cause or contribute to the direct or indirect disturbance of the following:
1. vegetation complexes (as mapped for the Regional Forest Agreement) which have less than 30% of their pre-European extent remaining;
 2. Threatened Ecological Communities (TECs) as identified in the Biodiversity-related Investigations Report;
 3. heathland as identified in the Biodiversity-related Investigations Report;
 4. granite outcrops as identified in the Biodiversity-related Investigations Report;
 5. other naturally rare or restricted floristic communities, vegetation or ecological communities and key ecological linkages identified in the Biodiversity-related Investigations Report;

6. Declared Rare Flora, unless the disturbance is approved under the *Wildlife Conservation Act 1950*;
 7. Significant populations of Priority Flora identified in the Biodiversity-related Investigations Report;
 8. significant areas of habitat for Threatened, Priority listed and other significant fauna, significant Short Range Endemic fauna, and other significant invertebrate taxa identified in the Biodiversity-related Investigations Report;
 9. stream zones in accordance with the Department of Environment Guidance for protection of sensitive water bodies, except for the construction and operation of stream crossings for haul roads, service roads, transport corridors, mine water supply and other infrastructure; and
 10. other important conservation values and habitats identified in the Biodiversity-related Investigations Report.
- 9-2 Without limiting condition 9-1, the proponent shall ensure that mining, transport corridor construction or operational activities do not cause or contribute to the following:
1. any significant adverse impact on any groundwater-dependent ecosystems identified by Biodiversity-related Investigations Report or lead to waterlogging of significant areas of dry land vegetation;
 2. any increase in severity status of weeds or pests (as identified in the Biodiversity-related Investigations Report) in State Forest;
 3. increased spread of forest disease outside areas identified as infected by the Biodiversity-related Investigations Report;
 4. placing any species or ecological community into a higher category of threat (consistent with the expectations of the Forest Management Plan 2004 - 2013); and
 5. causing disturbance in defined buffer areas around ecological linkage and areas of zero disturbance identified in the Biodiversity-related Investigations Report.

10 Transport Corridor Route Plans

- 10-1 Prior to the commencement of ground-disturbing activities (including mining and transport corridor construction activities) in any mining envelope (refer to Figure 2), the proponent shall prepare and submit a Transport Corridor Route Plan to the Minister for the Environment for endorsement on the advice of the Environmental Protection Authority and the Department of Conservation and Land Management.

The Transport Corridor Route Plan shall:

- 1 describe the route, area of disturbance and evaluation of alternative routes considered for each proposed transport corridor; and

- 2 describe how the selected transport corridor route complies with the requirements of the Biodiversity-related Investigations Report and is in accordance with condition 9.

10-2 The proponent shall implement and comply with the Transport Corridor Route Plan required by condition 10-1.

10-3 The proponent shall make the Transport Corridor Route Plan required by condition 10-1 publicly available.

10-4 The Minister for the Environment may initiate a review and/or amendment of the endorsed Rehabilitation Plan referred to in condition 10-1.

11 Bauxite Mining Plans

11-1 At least 12 months prior to ground disturbing activities, the proponent shall prepare and submit a draft Bauxite Mining Plan to the Department of Environment, the Department of Conservation and Land Management, the Conservation Commission of Western Australia, the Environmental Management Liaison Group and the Stakeholder Consultation Group for review.

The draft Bauxite Mining Plan shall:

1. incorporate the findings contained in the Biodiversity-Related Investigations Report;
2. ensure that the areas for mining are consistent with the areas of zero disturbance, ecological linkages, and buffers identified in the Biodiversity-related Investigations Report, and take into account the location of indicative fauna habitat zones as identified and in accordance with the requirements of the Forest Management Plan 2004 - 2013;
3. set out the management and mitigation measures which will be undertaken to ensure that mining activities comply with conditions 9-1 and 9-2;
4. set out monitoring and auditing to be conducted prior to, during and following mining activities;
5. demonstrate how the proponent's implementation of the proposal protects the key biodiversity values identified in the Biodiversity-related Investigations Report and is in accordance with condition 9; and
6. address the objectives of the Forest Management Plan 2004 - 2013.

11-2 The proponent shall revise and submit the draft Bauxite Mining Plan, taking into account all comments and recommendations (if any) received under condition 11-1, to an independent Environmental Auditor chosen by the proponent (refer to Procedure 7) for review.

- 11-3 The proponent shall submit its response to review comments received under 11-1 together with the revised draft Bauxite Mining Plan and the report prepared by the Environmental Auditor (refer procedure 7) to the Department of Conservation and Land Management and the Department of Environment for review.
- 11-4 The proponent shall prepare a Final Bauxite Mining Plan, taking into account all comments and recommendations (if any) received from the independent Environmental Auditor referred in condition 11-2 and additional comments received under condition 11-3.
- 11-5 Prior to the commencement of ground-disturbing activities, the proponent shall submit the Final Bauxite Mining Plan and the report prepared by the independent Environmental Auditor (refer Procedure 7) to the Department of Environment and the Department of Conservation and Land Management who may advise the Minister for the Environment of any remaining deficiencies within the Bauxite Mine Plan in which case ground disturbing activities shall not commence until the Minister has made a determination.
- 11-6 The proponent shall implement and comply with the Final Bauxite Mining Plan.
- 11-7 The proponent shall make the Final Bauxite Mining Plan publicly available.
- 11-8 The proponent may revise and amend the Final Bauxite Mining Plan subject to the amended Final Bauxite Mining Plan undergoing review and revision as specified in conditions 11-1, 11-2, 11-3, 11-4 and 11-5.
- 11-9 The Minister for the Environment may initiate a review and/or amendment of the Final Bauxite Mining Plan referred to in condition 11-6.
- 11-10 The proponent shall implement and comply with the amended Final Bauxite Mining Plan referred to in condition 11-6.
- 11-11 The proponent shall make the amended Final Bauxite Mining Plan referred to in condition 11-6 publicly available.

12 Rehabilitation

- 12-1 The proponent shall, within twelve months following the formal authority issued to the decision-making authorities under section 45(7) of the *Environmental Protection Act 1986*, prepare and submit a draft Rehabilitation Plan for review to:
 - 1. the Department of Conservation and Land Management;
 - 2. the Conservation Commission of Western Australia;
 - 3. the Environmental Management Liaison Group (refer Procedure 5); and
 - 4. the Stakeholder Consultation Group (refer Procedure 6).

The objectives of the draft Rehabilitation Plan are to ensure that:

- rehabilitation research and trials are targeted to the key issues facing the rehabilitation of the proposed bauxite mine areas;
- planning and implementation of rehabilitation is carried out in a manner consistent with industry best practice;
- planning and implementation of rehabilitation is carried out in a manner consistent with relevant objectives and strategies in the Forest Management Plan 2004 - 2013;
- rehabilitated native vegetation in State Forest areas will ultimately develop into sustainable ecological systems which are compatible with surrounding native vegetation and its land uses, and approximates as closely as possible the pre-mining biodiversity and functional values;
- rehabilitated private land areas return to a mix of productive agricultural land and native vegetation compatible with the original native vegetation, which at least maintains the extent of the existing native vegetation and enhances ecological connectivity; and
- the matters identified in the report entitled, 'A Review of the Rehabilitation at Worsley Alumina's Boddington Bauxite Mine' prepared by URS Australia Pty Ltd relating to the assessment of ecosystem sustainability are given due consideration.

The draft Rehabilitation Plan shall address the following topics which are relevant to long term sustainable rehabilitation:

1. objectives for rehabilitation, including site specific variation, and objectives of the Forest Management Plan 2004 - 2013;
2. an outline of proposed rehabilitation research priorities;
3. conduct and application of research;
4. topsoil management;
5. targets for nutrient cycling;
6. pest and disease control and management;
7. targets for flora and fauna recruitment, including specific targets for:
 - the return of recalcitrant species;
 - the return of key fauna habitat;
 - the translocation of mature specimens of long-lived species required for fauna habitat (eg. Xanthorrhoea and Macrozamia);
 - the recolonisation of invertebrate fauna; and
 - the recolonisation of mycorrhizal fungi;
8. hydrological function;
9. climate change consideration;
10. integration with State Forest management;
11. monitoring and adaptive management;

12. plant species composition (including reference to the species listed in the report entitled, 'A Review of the Rehabilitation at Worsley Alumina's Boddington Bauxite Mine' prepared by URS Australia Pty Ltd), including species vulnerability to fire;
 13. long term sustainability, including criteria for assessing ecosystem sustainability on natural and disturbed land;
 14. completion criteria including an overall requirement that no extraordinary residual management liability (above the normal cost of managing undisturbed forest) shall accrue to the land management authority unless agreed by the State. Completion criteria should have an objective of achieving integration of the rehabilitation areas into large scale prescribed burning programs for the purpose of fire management prior to the hand-back of responsibility to the State; and
 15. peer review and reporting.
- 12-2 The proponent shall, at least twelve months prior to commencement of ground disturbing activities (including mining and transport corridor construction), prepare and submit a final Rehabilitation Plan, taking into account all comments and recommendations (if any) received under condition 12-1, to the Minister for the Environment for endorsement on the advice of the Environmental Protection Authority and the Department of Conservation and Land Management.
- 12-3 The proponent shall implement and comply with the endorsed Rehabilitation Plan referred to in condition 12-2.
- 12-4 The proponent shall make the endorsed Rehabilitation Plan referred to in condition 12-2 publicly available.
- 12-5 The proponent shall review the endorsed Rehabilitation Plan annually and present its findings in an Annual Environmental Report submitted to the Department of Environment.
- The review shall include the following:
1. presentation of results of monitoring; and
 2. plans for improvement in rehabilitation to meet objectives and targets where necessary.
- 12-6 The proponent may revise and amend the endorsed Rehabilitation Plan referred to in condition 12-2, in accordance with the review of condition 12-5 and subject to the amended Rehabilitation Plan undergoing review and revision as specified in conditions 12-1.
- 12-7 The Minister for the Environment may initiate a review and/or amendment of the endorsed Rehabilitation Plan referred to in condition 12-2.

- 12-8 The proponent shall submit the amended Rehabilitation Plan referred to in condition 12-6 to the Minister for the Environment for endorsement on the advice of the Environmental Protection Authority and the Department of Conservation and Land Management.
- 12-9 The proponent shall implement and comply with the endorsed amended Rehabilitation Plan referred to in condition 12-7.
- 12-10 The proponent shall make the endorsed amended Rehabilitation Plan referred to in condition 12-7 publicly available.

13 Water Supply Protection

- 13-1 Prior to the commencement of any ground disturbing activities in areas proclaimed as water reserves or catchment areas under the *Metropolitan Water Supply, Sewerage, and Drainage Act 1909* or under the *Country Areas Water Supply Act 1947*, the proponent shall prepare a Water Resource Management Plan to the requirements of the Minister for the Environment on advice of the Water and Rivers Commission and the Water Corporation.

The Water Resource Management Plan shall demonstrate that the ground disturbing activities shall have negligible impact on the quantity and quality of water supplies in the catchments.

- 13-2 The proponent shall implement and comply with the Water Resource Management Plan referred in condition 13-1.
- 13-3 The proponent shall make the Water Resource Management Plan referred in condition 13-1 publicly available.

14 Air Quality Management Plan

- 14-1 Prior to commencement of construction, the proponent shall prepare an Air Quality Management Plan to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

The objective of the Air Quality Management Plan is to ensure that best available practicable and efficient technologies are used to minimise and monitor air emissions from the refinery and bauxite residue disposal areas.

The Plan shall include:

1. an air quality improvement plan addressing priority areas. These will include mercury emissions from digestion and the coal-fired cogeneration facility, fugitive dust emissions from bauxite residue disposal areas, VOC emissions from calciners, a program for the Air Emissions Impact Assessment project, and community consultation;
2. the results of a field odour assessment study;

3. an assessment of odour from the refinery catchment lake;
4. an ambient air monitoring program;
5. an emissions monitoring program, which includes odour, mercury, particulate, and VOC emissions from significant point and area sources;
6. actions to control fugitive and point source particulate emissions;
7. incident and complaints response; and
8. a program for annual reporting on air quality.

14-2 The proponent shall implement the Air Quality Management Plan required by condition 14-1.

14-3 The proponent shall make the Air Quality Management Plan required by condition 14-1 publicly available.

Procedures

1. Where a condition states "to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority", the Environmental Protection Authority will provide that advice to the Department of Environment for the preparation of written advice to the proponent.
2. Where a condition states that a report, plan or program will be submitted to the Minister for the Environment for endorsement on the advice of the Environmental Protection Authority and the Department of Conservation and Land Management, the proponent shall seek the advice of the Environmental Protection Authority and the Department of Conservation and Land Management and provide that advice to the Department of Environment. The Department of Environment will then provide notice of that advice, along with other relevant information, to the Minister for the Environment for consideration of endorsement of the document. The endorsed document will form part of the implementation conditions.
3. Where a condition states that a report, plan or program will be submitted to the Minister for the Environment for endorsement on the advice of the Department of Conservation and Land Management and the Conservation Commission of Western Australia it is expected that these two agencies would prepare a co-ordinated response.
4. The Environmental Protection Authority may seek advice from other agencies or organisations, as required, in order to provide its advice to the Department of Environment.
5. Where a condition lists advisory bodies, it is expected that the proponent will obtain the advice of those listed as part of its compliance reporting to the Department of Environment.

6. The Environmental Management Liaison Group comprises representatives of state government agencies whose areas of responsibility are affected by the mining and refining operations of the proponent. The Environmental Management Liaison Group will comprise of officers of the Department of Industry and Resources, the Department of Environment, the Department of Conservation and Land Management and the Department of Agriculture.

Note: Other agencies which may have areas of responsibility from time to time affected by the mining and refinery operations of the proponent may be involved in providing advice or become members of the Environmental Management Liaison Group.

The Environmental Management Liaison Group shall have the following functions:

- provide comment on the draft Scope of Biodiversity-related Investigations (refer condition 8-2);
- provide comment on draft Rehabilitation Plan and revisions and amendments (refer conditions 12-1 and 12-6);
- provide comment on the draft Bauxite Mining Plan(s) and revisions and amendments (refer conditions 11-1 and 11-6);
- review any 10 year rolling mine plans prepared by the proponent pursuant to clause 16 (10) of the *Alumina Refinery (Worsley) Agreement Act 1973*, and provide reports on its findings to the Minister for State Development and the Minister for the Environment; and
- review the proponent's environmental performance annually against its Bauxite Mining Plan(s) and Rehabilitation Plan.

7. The Stakeholder Consultation Group will comprise members of the proponent's established community liaison committees or other consultative groups, non-government conservation organisation(s), relevant members of natural resource management groups within or adjoining proposed new mining areas, and relevant government agencies, including the Shire of Collie which have established research or related activities in or adjoining proposed new mining areas.

The Stakeholder Consultation Group will have the following functions:

- provide comment on the draft Scope of Biodiversity Investigations;
- provide comment on the draft Rehabilitation Plan and revisions and amendments (refer conditions 12-1 and 12-6); and
- provide comment on any draft Bauxite Mining Plan(s) and revisions and amendments (refer conditions 11-1 and 11-6).

8. The revised draft Bauxite Mining Plan will be reviewed by an independent accredited Environmental Auditor(s) (i.e. an individual currently certified/ accredited by RABQSA as a Lead Environmental Auditor or an individual currently certified as a Lead Environmental Auditor by an organisation accredited to ISO/IEC 17924 (by JAS-ANZ or a body recognised by JAS-ANZ) as follows:

- (a) within one month of the proponent submitting a revised draft Bauxite Mining Plan to it, the Environmental Protection Authority will provide the proponent with a list of names of five independent Environmental Auditors to whom the proponent may submit a revised draft Bauxite Mining Plan;
 - (b) within one month of receiving a revised draft Bauxite Mining Plan, the independent Environmental Auditor shall prepare a draft report on whether, in its opinion, the Plan will comply with condition 9 (Protection of Biodiversity). The draft report should be submitted to the proponent for the proponent's consideration; and
 - (c) within one month of receiving a revised draft Bauxite Mining Plan, the Environmental Auditor will prepare a final report on whether, in its opinion, the Plan will comply with condition 9 (Protection of Biodiversity).
9. The proponent should undergo consultation as established within condition 11 (Bauxite Mine Plans) prior to making any application to the Minister for the Environment under condition 9 (Protection of Biodiversity).

Notes

- 1. The Minister for the Environment will determine any dispute between the proponent and the Environmental Protection Authority or the Department of Environment over the fulfilment of the requirements of the conditions.
- 2. The proponent is required to apply for a Works Approval and Licence for this project under the provisions of Part V of the *Environmental Protection Act 1986*.
- 3. Within this statement, to "have in place" means to "prepare, document, implement and maintain for the duration of the proposal".

**HON MARK MCGOWAN MLA
MINISTER FOR THE ENVIRONMENT;
RACING AND GAMING**

13 APR 2006

Schedule 1

The Proposal (Assessment No. 1526)

Worsley Alumina Pty Ltd proposes to upgrade the Worsley alumina refinery in order to increase production to 4.4 million tonnes per annum (Mtpa). The proposed production rate will require an increase in the rate of mining from 13.2 Mtpa (dry) to approximately 16.5 Mtpa (dry). In the long term, mining is proposed to extend into additional areas to those currently approved. The proposal will result in ground disturbance and progressive rehabilitation of approximately an additional 100 hectares per annum, situated in cleared farmland, remnant vegetation on farmland and within areas of State Forest.

The currently approved mining envelope is referred to as the Primary Bauxite Area (PBA). The PBA comprises the Saddleback, Marradong and Hotham North mining envelopes as shown in Figure 1. Currently mining only occurs within the Saddleback mining envelope. Mined bauxite is crushed in primary and secondary crushers at the Saddleback mine site and transported by the overland bauxite conveyor to the refinery (Figure 2).

The proposal is to expand the mining area to include the East Quindanning, Morgans, Hotham North Extension, Central and Brookton envelopes as shown in Figure 2. The total area of the proposed new mining envelopes is 75,016 hectares of which approximately 21% (15,950 hectares) has been designated as bauxite resource. The area delineated as bauxite resource that is within forested area is 12,803 hectares. Additional exploration and close-spaced drilling is required to determine the economic "proven" bauxite reserves in order to construct a detailed mine plan that will determine the actual areas and extent of clearing.

The proposed expansion of mining activities will require the installation of three additional primary crushers within the proposed mining envelopes and relocation within mining areas as bauxite mining is completed. The secondary crusher will remain at the Saddleback location but an additional crushed ore stockpile will be required to provide extra surge material to feed the overland bauxite conveyor.

The proposal includes the following additional bauxite transport corridors that may contain conveyors (Figure 2):

- extension of the bauxite conveyor from Saddleback to Marradong and Hotham North mining envelopes;
- 34km extension of a bauxite transport corridor from the Hotham North mining envelope which will cross both the Albany Highway and the Wandering-North Bannister Road;
- 16km bauxite transport corridor from the south east of the Central mining envelope to the Luptons mining envelope; and
- 28km bauxite transport corridor extension from the Central mining envelope to the Brookton mining envelope.

Indicative mine planning for the East Quindanning and Morgan mining envelopes to the south of the current mining operation has not been completed at this stage. However, bauxite transport options will include overland bauxite conveyor spurs in combination with haul truck transport.

The proposal includes the following upgrades to the refinery:

- an increase in bauxite feed and flow through the digestion;
- an expansion of separation and bauxite residue washing and filtration facilities;
- a new precipitation train and seed thickener;
- a new hydrate filtration building and an additional gas fired calciner; and
- a coal-fired cogeneration facility that will produce 350 tonnes of steam per hour (equivalent to 204 megawatts) and 35 megawatts of electrical power.

The proposal does not include any change to the footprint of the BRDA's. However, the deposition rate will increase from approximately 11.8Mtpa to 16Mtpa.

The main characteristics of the proposal are summarised in Table 1 below. A detailed description of the proposal is provided in Chapter 1 - Section 4 of the ERMP document (Strategen, 2005).

Table 1: Summary of key proposal characteristics

Element	Description
Bauxite-Alumina Project	
Alumina Production	4.4Mtpa.
Greenhouse gases	3.7Mtpa of CO ₂ e.
Bauxite Mining¹	
Mining areas	Refer to Figures 1 & 2.
Mining rate	Up to 16.5Mtpa (dry).
Areas of disturbance to native vegetation: 1. Within Primary Bauxite Area (PBA) 2. Outside PBA (includes transport corridors)	1. Areas of bauxite reserves (unchanged) as specified in CER (1995) (refer Figure 2). 2. Up to 8,400 ha (refer Figure 2).
Water supply sources	Groundwater and surface water in the vicinity of mining areas.
Water usage (average)	500 ML/a on average
Crushing plant	4 primary crushers, 1 secondary crusher
Bauxite transport²	
Existing cable belt conveyor (location) Capacity Operation	Refer Figure 2 Increase to 3,200 tph Up to 140 hours per week (unchanged)
Extension of bauxite transport corridor within PBA from Saddleback to Hotham North Capacity Operation	Refer Figure 2 3500 tph Up to 140 hours per week
New transport corridor outside of PBA Preliminary alignment	Conventional idler-type conveyors and/or truck transport. Refer Figure 1
Refinery³	
Refinery lease area	2,500ha.
Operation	24 hours per day 365 days per year.
Digestion process area Emissions control	Regenerative thermal oxidiser
Calciners - fuel Particulate emission control	Natural gas Electrostatic precipitators on five calciners, baghouse system on one calciner
Liquor burner Emission control	Baghouse, regenerative thermal oxidiser and wet scrubber
Bauxite stockpiles	1.92 Mt approximately
Power and steam raising facilities	
Existing gas fired cogeneration - capacity	120 MW
Existing coal fired facility - capacity Particulate emission control	110 MW (electrical) Electrostatic precipitators on three boilers
New coal fired boiler – nominal capacity Emissions control	35 MW (electrical), 204 MW thermal Baghouse and sulphur dioxide scrubber
New gas fired cogeneration (alternative) ⁴ – capacity	120 MW
Bauxite Residue Disposal Areas	
Deposition rate Footprint and location	16Mtpa (wet) (no change to footprint of BRDA) Figure 3

Element	Description
Raw Water supply	
Sources	Freshwater lake (Augustus River) and offsite purchase from water provider as required
Usage (average)	2.6 GL (from Freshwater lake)
Air emissions	
Sulphur dioxide (SO ₂) from coal fired facilities	Up to 12,220tpa.
Nitrogen oxides (NO _x) from combustion, liquor burner and calciner sources	Up to 6,890tpa.
Particulates from combustion, liquor burner and calciner sources	Up to 520tpa.
Carbon monoxide (CO) from combustion, liquor burner and calciner sources	Up to 940tpa.
Total volatile organic compounds (VOCs) from all sources	Up to 270tpa.

Abbreviations

BRDA's	Bauxite residue disposal area	Mt	million tonnes
GL/a	1000 million litres per annum	Mtpa	million tonnes per annum
ha	hectares	tpa	tonnes per annum
ML/a	million litres per annum	tph	tonnes per hour
MW	million watts		

Definitions

¹ **Bauxite mining:** includes all mining operations and related activities such as exploration, development and operation of haul roads, crushers, material handling facilities, water supply, electricity supply and mining related infrastructure, and mine site maintenance (clearing of regrowth around minesite infrastructure, clearing and re-shaping of previously cleared rehabilitated areas)

² **Bauxite transport:** includes construction of new overland bauxite conveyors (or other transport systems) from mining areas to the existing overland bauxite conveyor. Also includes transport corridor maintenance activities (clearing and removal of regrowth encroaching on corridor infrastructure, maintenance of corridor drainage system).

³ **Worsley Refinery:** includes maintenance of the Refinery Lease Area (clearing and removal of regrowth vegetation encroaching on infrastructure within Lease Area, clearing and stabilisation of previously cleared rehabilitated areas).

⁴ **New gas fired cogeneration:** alternative option to new coal fired boiler.

⁵ **Mining activities:** include all mining operations and related activities such as haul roads, crushers, material handling, water supply, electricity supply and mining related infrastructure.

⁶ **Transport Corridor Construction:** includes construction of new overland bauxite conveyors or other transportation systems from mining areas to the existing overland bauxite conveyor, refinery facility.

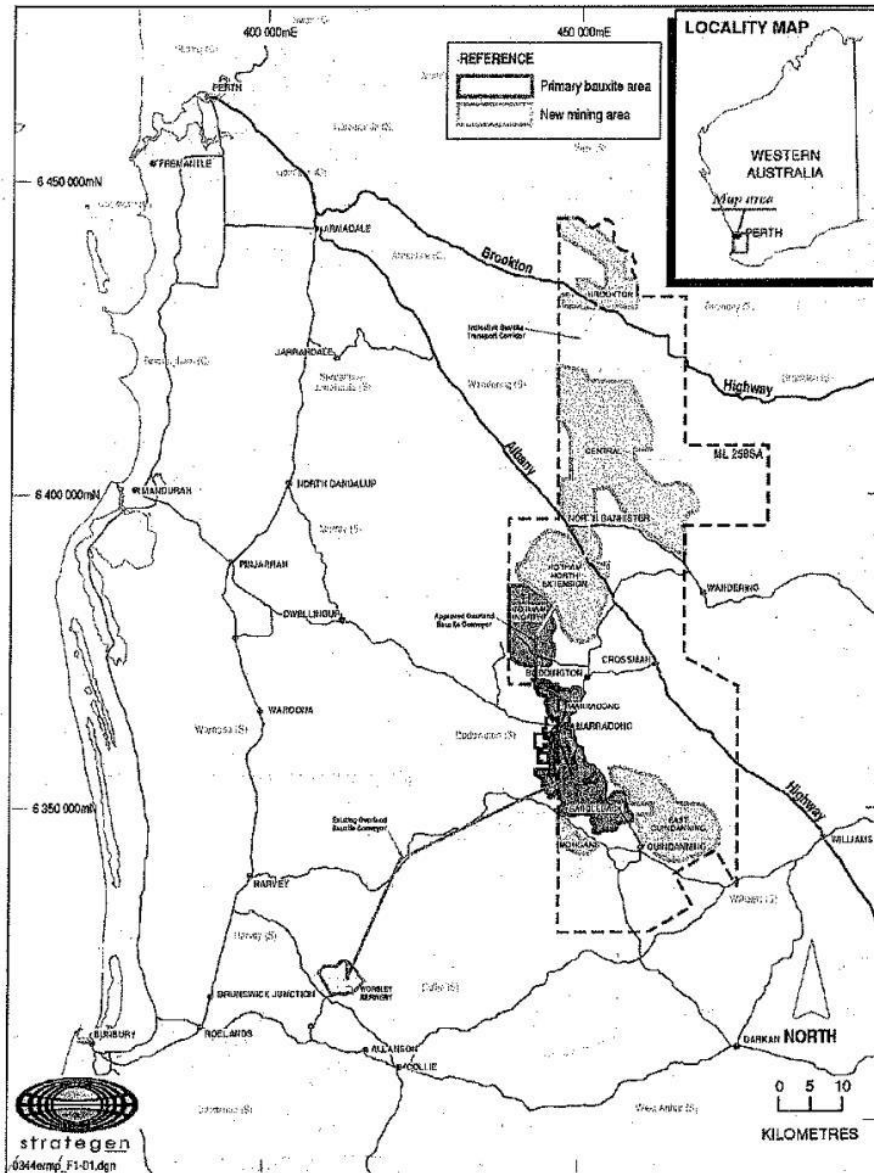


Figure 1: Regional location (Source: Figure 1.1 from Strategen, 2005)

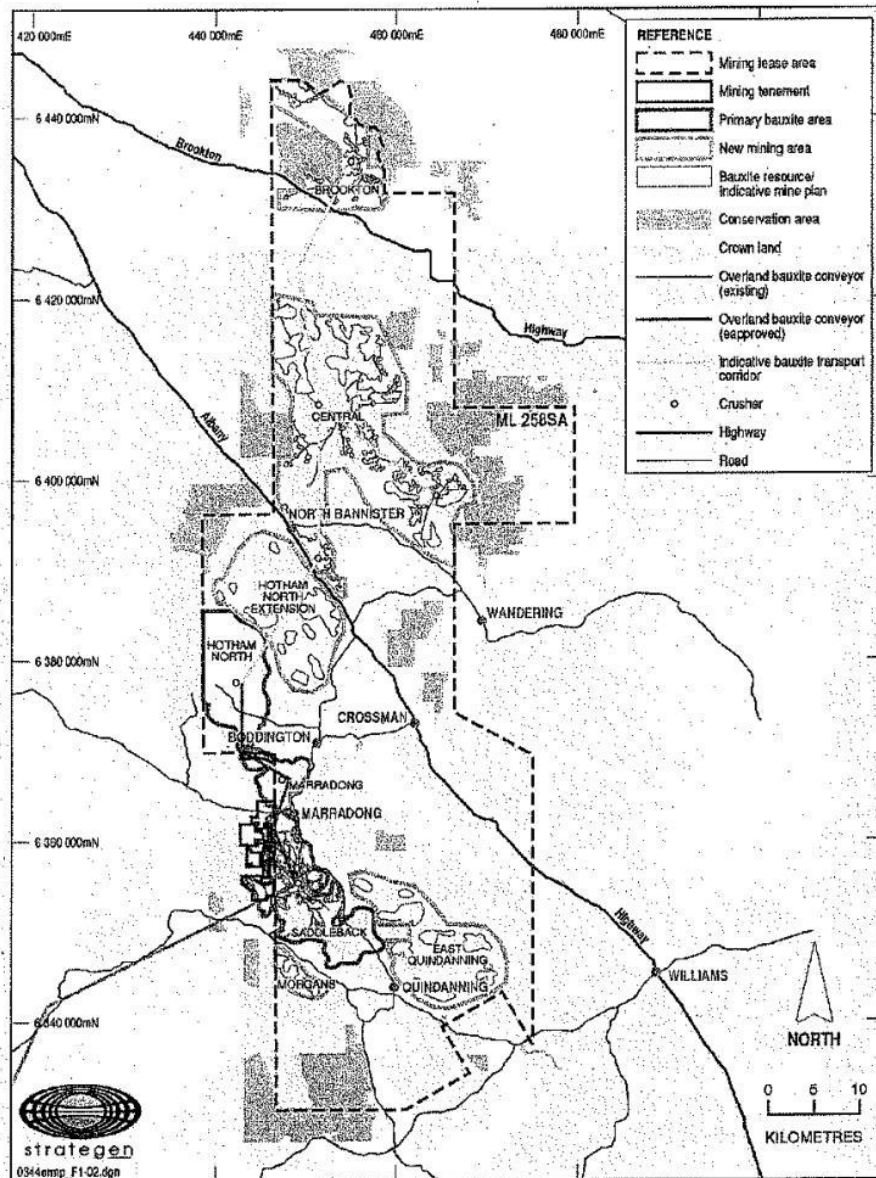
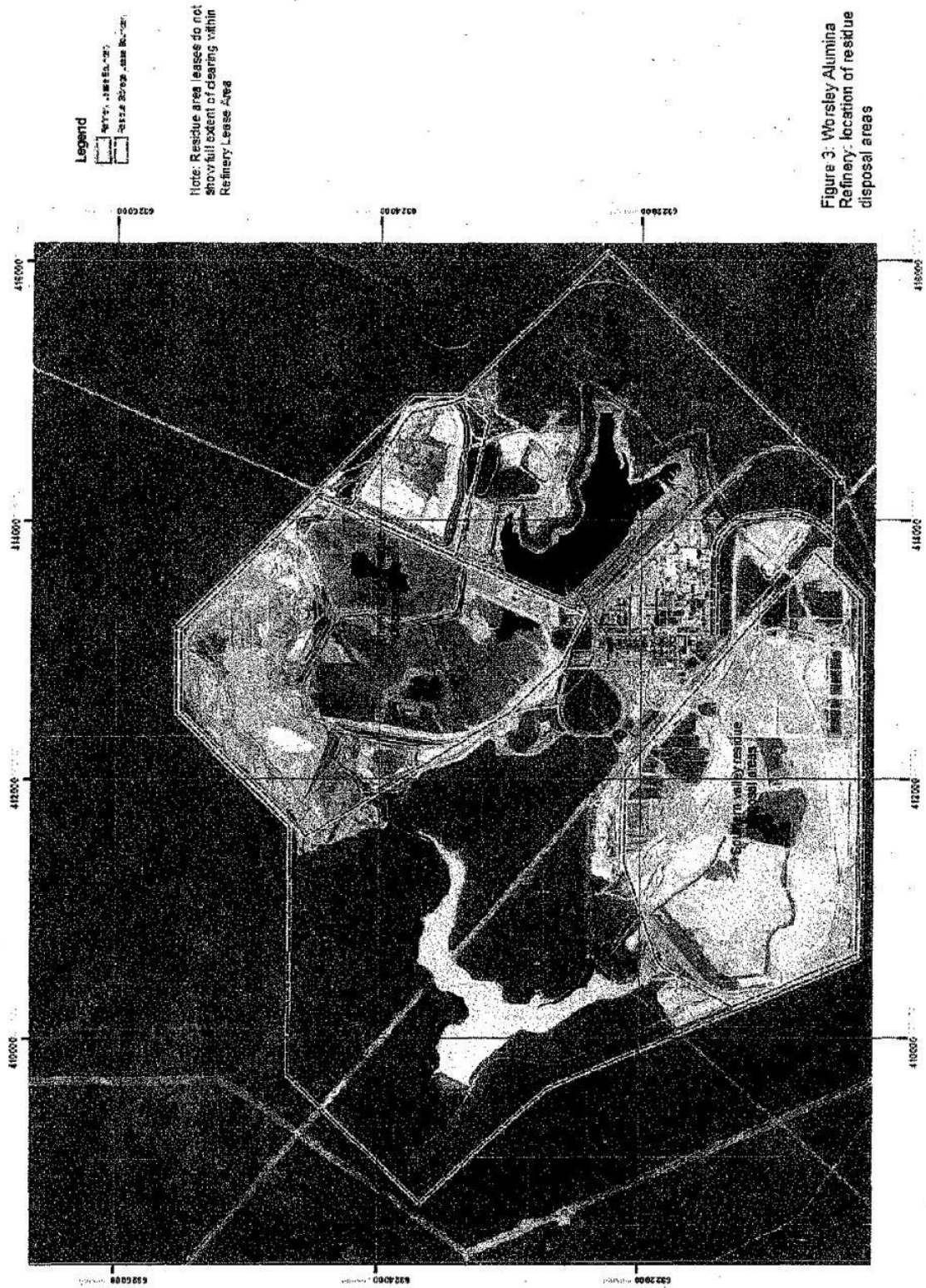


Figure 2: Existing and proposed mining envelopes (Source: Figure 1.3 from Strategem, 2005)



Schedule 2

Proponent's Environmental Management Commitments

December 2005

**WORSLEY ALUMINA - PRODUCTION TO
MAXIMUM CAPACITY OF 4.4MTPA ALUMINA
AND ASSOCIATED MINING**

(Assessment No. 823 & 1526)

Worsley Alumina Pty Ltd

Proponent's Environmental Management Commitments - December 2005

WORSLEY ALUMINA - EFFICIENCY AND GROWTH INCREASE OF EXISTING OPERATIONS TO 4.4MTPA ALUMINA PRODUCTION (Assessment No. 1526)

Note: The term "commitment" as used in this schedule includes the entire row of the table and its six separate parts as follows:

- a commitment number;
- a commitment topic;
- the objective of the commitment;
- the 'action' to be undertaken by the proponent;
- the timing requirements of the commitment; and
- the body/agency to provide technical advice to the Department of Environment.

Consolidated Management Commitments

Commitment Number	Topic	Objective	Action	Timing	Advice From
All mining areas, bauxite transport corridors and overland conveyors.					
1	Water Resources	To ensure that the environmental values of surface and groundwater resources are maintained and protected from adverse impacts of bauxite mining activities and construction of bauxite transport corridors.	<p>Worsley will prepare and implement a Water Resource Management Plan – Mining which takes into account changing rainfall patterns and which will address the following:</p> <ul style="list-style-type: none"> • assessment of salinity hazard and salt storage in soils in proposed mining areas; • development of predictive tools to estimate the extent of water table rise due to mining operations; • monitoring of salinity and level of groundwater in and near mining areas; • monitoring of regional water quality (salinity) of streams and groundwater; • contingency measures for salinity management; • assessment of water dependent ecosystems in new mining areas; • a process for selection of water supplies for the mine, including the evaluation of alternatives; 	Within 12 months of the formal issuance of this statement	EMLG/DoE

Commitment Number	Topic	Objective	Action	Timing	Advice From
			<ul style="list-style-type: none"> • improvement in the efficiency of water use; • monitoring of water usage, groundwater level and any groundwater dependent ecosystems which may be affected by Worsley's groundwater abstraction; • working arrangements for exploration and mining in public drinking water supply areas; • establishment of appropriate stream buffer zones; • spills management; and • sediment control and drainage management in all areas where Worsley operates. 		
2	Dust	<p>To comply with statutory requirements so that the amenity of nearby residences is protected from dust impacts resulting from bauxite mining activities and construction of bauxite transport corridors and operation of overland conveyors.</p> <p>To ensure that dust management techniques meets relevant best practice principles.</p>	<p>Worsley will prepare and implement a Dust Management Plan that addresses the following:</p> <ul style="list-style-type: none"> • suppression of dust from the construction of bauxite transport corridors and operation of overland conveyors • suppression of dust in all areas where Worsley operates, including the use of additives to reduce water consumption where appropriate; • monitoring of dust levels at locations upwind and downwind of mining activities; and • monitoring of the impact of dust on vegetation adjoining haulroads and the development of measures to address any identified significant adverse impacts. 	Within 12 months of the formal issuance of this statement	EMLG/DoE
3	Noise and Vibration	To comply with the statutory requirements so that the amenity of nearby residences is protected from noise impacts resulting from mining activities.	<p>Worsley will prepare and implement a Noise and Vibration Management Plan – Mining, that will address the following:</p> <ul style="list-style-type: none"> • forecasting of operational noise; • measures to ensure compliance with noise regulations. These will include mine planning and day to day noise forecasting; • measures to control noise emissions from mining equipment; • monitoring of operational and blast noise and vibration; • implementation of corrective and preventative actions where in-house targets are exceeded; • response to complaints; and • community consultation. 	Within 12 months of the formal issuance of this statement	EMLG/DoE

Commitment Number	Topic	Objective	Action	Timing	Advice From
4	Offsets	To achieve a net environmental benefit as a result of land disturbance due to mining activities.	<p>Worsley will prepare and implement an offsets program that addresses the following:</p> <p>1. Establishing conservation areas:</p> <ul style="list-style-type: none"> provision of an area of land comparable to the area of State Forest disturbed in new mining areas for conservation by means of conservation covenants or agreements; the timeframe for establishment of conservation areas in conjunction with Worsley's Ten Year Mine Plan. <p>2. Catchment and landscape enhancement for previously cleared land in the region:</p> <ul style="list-style-type: none"> provision of up to \$100,000 pa for the duration of mining of private land, up to a maximum of ten years; the timeframe for establishment catchment and landscape enhancement initiatives in conjunction with Worsley's Ten Year Mine Plan. <p>3. Specific management programs</p> <ul style="list-style-type: none"> identification and contribution to jarrah forest conservation initiatives including: <ul style="list-style-type: none"> research and understanding of jarrah forest biodiversity values; forest disease management; flora and fauna conservation programs. 	Prior to entering into new mining areas	EMLG

Commitment Number	Topic	Objective	Action	Timing	Advice From
Bauxite transport corridor:					
5	Noise	Ensure noise emissions for the overland bauxite conveyor and proposed extension comply with statutory requirements (Agreement Act conditions)	<p>Worsley will prepare and implement a Noise Management Plan – Bauxite Transport, which will address:</p> <ul style="list-style-type: none"> construction of bauxite transport corridors and operation of overland conveyors the use of noise emissions modelling results in the siting of transport corridors; monitoring of noise emissions from conveyor systems to demonstrate compliance with Agreement Act requirements; corrective and preventative actions where in house targets are exceeded; identification of potential noise sensitive premises; community consultation; and response to complaints. 	Within 12 months of the formal issuance of this statement	EMLG/CALM

Primary Bauxite Area					
6	Management of biodiversity, forest resources and rehabilitation in Primary Bauxite Area	<p>To ensure biodiversity and sustainability of Eastern Darling Range forest ecosystems are maintained from adverse impact of Worsley's bauxite mining activities and construction of bauxite transport corridors and operation of overland conveyors.</p> <p>To minimize the risk of bauxite mining activities introducing or spreading jarrah dieback or other forest disease into areas of State and private forest.</p> <p>To ensure that rehabilitated areas of State Forest is timely, sustainable and meets completion criteria agreed by the State.</p> <p>To ensure that rehabilitation of mined areas on private property leaves the land in an environmentally stable and sustainable conditions and meets the requirements of the private property owner.</p>	<p>Worsley will prepare and implement a Biodiversity and Forest Management Plan - Primary Bauxite Area that will address the following:</p> <p>1. Vegetation, flora and fauna:</p> <ul style="list-style-type: none"> a program of baseline flora and fauna surveys before mining to determine: <ul style="list-style-type: none"> the occurrence and extent of vegetation communities; the occurrence and extent of forest disease, and occurrence and abundance of vertebrate fauna, significant Short Range Endemic and other significant invertebrate taxa; seasonal flora and fauna surveys in and adjoining mining areas; weed and feral animals control. Programs; forest hygiene procedures; identification of areas of potentially high conservation values in the Primary Bauxite Area; control measures to ensure that the biodiversity and sustainability of these areas will not be substantially adversely affected by mining and bauxite conveyors; and creation of wildlife corridors and establishment of fauna habitat zones in consultation with the State. 	Within 12 months of the formal issuance of this statement	EMLG/CALM

			<p>2. Rehabilitation:</p> <ul style="list-style-type: none"> description of the rehabilitation process; a program of research to improve rehabilitation outcomes, in particular to encourage recruitment of recalcitrant or rare and priority flora and fauna species into rehabilitated areas; monitoring of the establishment of flora and the recruitment of fauna species into rehabilitated areas a process for progressive development of completion criteria; the use of local provenance seed in rehabilitation; the re-creation of fauna habitat in rehabilitation; and rehabilitation of forest project areas affected by jarrah dieback caused by mining operations. 		
Worsley Refinery					
7	Water resources	To ensure that the environmental values of surface and groundwater resources are maintained from adverse impacts of refinery operations.	<p>Worsley will prepare and implement a Water resources management Plan - Refinery that takes into account changing rainfall patterns and addresses:</p> <ul style="list-style-type: none"> Strategic water source planning Improvement in the efficiency of water use at the refinery Protection of water quality in the Augustus River, which is located downstream of the refinery Maintenance of environmental water provisions Surface and groundwater quality monitoring Management and cleanup of spills and onsite contamination 		

Key

EMLG: Environmental Management Liaison Group.
CALM: Department of Conservation and Land Management
DoE: Department of Environment

Attachment 1 to Statement 719

Change to Proposal

Proposal: Worsley Alumina 4.4 Mtpa Expansion Project.

Proponent: Worsley Alumina Pty Ltd.

Change: from a single coal fired boiler to two circulating fluidised bed co-generation boilers.

Amendment of Schedule 1 – Key Proposal Characteristics

Features of previously approved Proposal:

Element	Description
Power and steam raising facilities	Single coal fired boiler.
Nominal capacity:	35 MW (electrical). 204 MW (thermal).
Emissions control:	Baghouse and sulphur dioxide scrubber.
Emissions to Air (indicative)	
CO (combustion, liquor burner and calciner)	Up to 940 tonnes per annum.

Features of changed Proposal:

Element	Quantities/Description
Power and steam raising facilities	Two circulating fluidised bed multi-fuel co-generation boilers.
Nominal capacity:	100 MW (electrical). 342 MW (thermal).
Emissions control:	Limestone injection and baghouse filters.
Emissions to Air (indicative)	
CO (combustion, liquor burner and calciner)	Up to 970 tonnes per annum.

Approved under delegation
from Minister for the Environment:


EPA Chairman

Approval Date:

26/10/07

Attachment 2 to Statement 719

Change to Proposal

Proposal: Worsley Alumina – Production to maximum capacity of 4.4 Mtpa Alumina and Associated Mining.

Proponent: Worsley Alumina Pty Ltd.

Change: To change the maximum capacity from 4.4 Mtpa alumina to 4.7 Mtpa.

Amendment of Schedule 1 – Key Proposal Characteristics

Features of previously approved Proposal:

Element	Quantities/Description
Bauxite–Alumina Project	
Alumina production	4.4 Mtpa
Greenhouse gases	3.7 Mtpa of CO ₂
Bauxite mining	
Mining rate	Up to 16.5 Mtpa (dry.)
Bauxite Residue Disposal Areas	
Deposition rate, footprint and location	16 Mtpa (wet) (no change to footprint of BRDA) Figure 3.
Air Emissions	
Particulates from combustion, liquor burner and calciner sources	Up to 520 tpa
Carbon monoxide (CO) from combustion, liquor burner and calciner sources	Up to 970 tpa
Total Volatile Organic Compounds (VOCs) from all sources	Up to 270 tpa

Features of changed Proposal:

Element	Quantities/Description
Bauxite-Alumina Project	
Alumina production	4.7 Mtpa
Greenhouse gas emissions	3.75 Mtpa of CO ₂
Bauxite mining	
Mining rate	Up to 18.8 Mtpa (dry.)
Bauxite Residue Disposal Areas	
Deposition rate, footprint and location	18.5 Mtpa (wet) (no change to footprint of BRDA) Figure 3.
Air Emissions	
Particulates (PM ₁₀) from combustion, liquor burner and calciner sources	Up to 520 tpa
Carbon monoxide (CO) from combustion, liquor burner and calciner sources	Up to 1010 tpa
Total Volatile Organic Compounds (VOCs) from all sources	Up to 300 tpa

Approved under delegation
from Minister for the Environment:

Approval Date: 26.2.08

Attachment 3 to Statement 719

Changes to Proposal

Proposal: Worsley Alumina – Production to maximum capacity of 4.4 Mtpa Alumina and Associated Mining

Proponent: Worsley Alumina Pty Ltd

Change: Clearing of state forest for a lay down area for expansion related plant and equipment and further stockpiling of overburden material for construction of Bauxite Residue Disposal Areas in the Refinery Lease Area (RLA).

Amendment of Schedule 1 – Key Proposal Characteristics

Features of previously approved Proposal:

Element	Quantities/Description
Clearing within Refinery Lease Area	Not specified

Features of changed Proposal:

Element	Quantities/Description
Clearing within Refinery Lease Area	29 hectares

Approved under delegation
from Minister for the Environment:

Approval Date: 17.4.08

Attachment 4 to Statement 719

Changes to Proposal

Proposal: Worsley Alumina – Production to maximum capacity of 4.4 Mtpa Alumina and Associated Mining

Proponent: Worsley Alumina Pty Ltd

Change: Clearing of state forest in order to expand the freshwater lake at the bauxite refinery

Amendment of Schedule 1 – Key Proposal Characteristics**Features of previously approved Proposal:**

Element	Quantities/Description
Clearing within Refinery Lease Area	none

Features of changed Proposal:

Element	Quantities/Description
Clearing within Refinery Lease Area	16.5 hectares

**Approved under delegation
from Minister for the Environment:**

Approval Date: 25.7.08

Attachment 5 to Statement 719

Change to Proposal

Proposal: Worsley Alumina – Production to Maximum Capacity of 4.4Mtpa
Alumina and Associated Mining

Proponent: Worsley Alumina Pty Ltd

Change: Installation of an additional secondary crushing plant adjacent to the existing crushing facilities at Saddleback

Component	Quantities/Description
Crushing plant	4 primary crushers, 1 secondary crusher

Components of changed Proposal:

Component	Quantities/Description
Crushing plant	4 primary crushers, 2 secondary crushers

Dr Paul Vogel
Chairman
Environmental Protection Authority
under delegated authority

Approval date: 23.1.09

Attachment 6 to Ministerial Statement 719

Change to Proposal

Proposal: Worsley Alumina - Production to Maximum Capacity of 4.4 Mtpa Alumina and Associated Mining

Proponent: BHP Billiton Worsley Alumina Pty Ltd

Change: Change to conveyor operations

Key Characteristics Table:

Element	Description	Description of approved change to proposal
Bauxite-Alumina Project		
Alumina Production	4.4Mtpa.	4.7Mtpa (attachment 2)
Greenhouse gases	3.7Mtpa of CO _{2-e} .	3.75Mtpa of CO _{2-e} . (attachment 2)
Bauxite Mining¹		
Mining areas	Refer to Figures 1 & 2	No change
Mining rate	Approximately 16.5Mtpa (dry).	Up to 18.8Mtpa (dry)
Areas of disturbance to native vegetation:		
1. Within Primary Bauxite Area (PBA)	1. Areas of bauxite reserves (unchanged) is specified in CER (1995) (refer Figure 2)	No change
2. Outside PBA (includes transport corridors)	2. Up to 8,400 ha (refer Figure 2)	No change
Water supply sources	Groundwater and surface water in the vicinity of mining areas.	No change
Water usage (average)	500 ML/a	No change
Crushing plant	4 primary crushers, 1 secondary crusher	4 primary crushers, 2 secondary crusher (attachment 5)
Bauxite transport²		
Existing cable belt conveyor (location)	Refer to Figure 2	
Capacity	Increase to 3,200tpa.	Remove
Operation	Up to 140 hours per week (unchanged).	Remove (attachment 6)
Extension of bauxite transport corridor within PBA from Saddleback to Hotham North	Refer to Figure 2	
Capacity	Increase to 3,200tpa.	Remove
Operation	Up to 140 hours per week (unchanged).	Remove (attachment 6)
New transport corridor outside of PBA	Conventional idler-type conveyors and/or truck transport.	No change
Preliminary alignment	Refer figure 1	
Refinery³		
Refinery lease area	2,500ha	No change
Clearing within Refinery lease area (attachment 3 & 4)	Not specified	45.5 hectares (attachment 3 & 4)
Operation	24 hours per day 365 days per year	No change
Digestion process areas	Regenerative thermal oxidiser	No change
Emissions control		
Calciners – fuel	Natural gas	No change
Particulate emission control	Electrostatic precipitators on five calciners, baghouse system on one	

	calciner	
Liquor burner Emission control	Baghouse, regenerative thermal oxidiser and wet scrubber	No change
Bauxite stockpiles	1.92 Mt approximately	No change
Power and steam raising facilities		
Existing gas fired cogeneration - capacity	120 MW	No change
Existing coal fired facility – capacity Particulate emission control	110 MW (electrical) Electrostatic precipitators on three boilers	No change
New coal fired boiler - normal capacity Emission control	35 MW (electrical) 240 MW (thermal) Baghouse and sulphur dioxide scrubber	Two circulating fluidized bed multi-fuel co-generation boilers 100 MW (electrical) 342 MW (thermal) Limestone injection and baghouse filters (attachment 1)
New gas fired cogeneration (alternative) ⁴ – Capacity	120 MW	No change
Bauxite Residue Disposal Areas		
Deposition rate Footprint and location	16Mtpa (wet) (no change to footprint of BRDA) Figure 3	18.5Mtpa (wet) (no change to footprint of BRDA) Figure 3 (attachment 2)
Raw Water supply		
Sources	Freshwater lake (Augustus River) and offsite purchase from water provider as required	No change
Usage (average)	2.6 GL (from Freshwater lake)	No change
Air emissions		
Sulphur dioxide (SO ₂) from coal fired facilities	Up to 12,220tpa.	No change
Nitrogen oxides (NO _x) from combustion, liquor burner and calciner sources	Up to 6,890tpa.	No change
Particulates from combustion, liquor burner and calciner sources	Up to 520tpa.	Particulates (PM ₁₀) from combustion, liquor burner and calciner sources (attachment 2)
Carbon monoxide (CO) from combustion, liquor burner and calciner sources	Up to 940tpa.	Up to 970tpa (attachment 1) Up to 1010tpa (attachment 2)
Total volatile organic compounds (VOCs) from all sources	Up to 270tpa.	Up to 300tpa (attachment 2)

Abbreviations

BRDA's Bauxite residue disposal area
GL/a gegalitres per annum
ha hectares
ML/a megalitres per annum

MW megawatts
Mt megatonnes
Mtpa million tonnes per annum
tpa tonnes per annum

Dr Paul Vogel
CHAIRMAN
Environmental Protection Authority
under delegated authority

Approval date: 27 June 2011

Attachment 7 to Ministerial Statement 719

Change to Proposal

Proposal: Worsley Alumina - Production to Maximum Capacity of 4.4 Mtpa Alumina and Associated Mining

Proponent: BHP Billiton Worsley Alumina Pty Ltd

Change: Change to Sulphur dioxide and Carbon monoxide emissions

Key Characteristics Table:

Element	Description	Description of approved change to proposal
Bauxite-Alumina Project		
Alumina Production	4.7 Mtpa.	4.7Mtpa
Greenhouse gases	3.75 Mtpa of CO _{2-e} .	3.75Mtpa of CO _{2-e} .
Bauxite Mining¹		
Mining areas	Refer to Figures 1 & 2	Refer to Figures 1 & 2
Mining rate	Approximately 18.8 Mtpa (dry).	Up to 18.8Mtpa (dry)
Areas of disturbance to native vegetation: 1. Within Primary Bauxite Area (PBA) 2. Outside PBA (includes transport corridors)	1. Areas of bauxite reserves (unchanged) is specified in CER (1995) (refer Figure 2) 2. Up to 8,400 ha (refer Figure 2)	1. Areas of bauxite reserves (unchanged) is specified in CER (1995) (refer Figure 2) 2. Up to 8,400 ha (refer Figure 2)
Water supply sources	Groundwater and surface water in the vicinity of mining areas.	Groundwater and surface water in the vicinity of mining areas.
Water usage (average)	500 ML/a	500 ML/a
Crushing plant	4 primary crushers, 2 secondary crushers	4 primary crushers, 2 secondary crushers
Bauxite transport²		
New transport corridor outside of PBA	Conventional idler-type conveyors and/or truck transport.	Conventional idler-type conveyors and/or truck transport.
Preliminary alignment	Refer figure 1	Refer figure 1
Refinery³		
Refinery lease area	2,500ha	2,500ha
Clearing within Refinery lease area (attachment 3 & 4)	45.5 hectares	45.5 hectares
Operation	24 hours per day 365 days per year	Removed as not environmentally significant
Digestion process areas Emissions control	Regenerative thermal oxidiser	Regenerative thermal oxidiser
Calciners – fuel Particulate emission control	Natural gas Electrostatic precipitators on five calciners, baghouse system on one calciner	Natural gas Electrostatic precipitators on five calciners, baghouse system on one calciner
Liquor burner Emission control	Baghouse, regenerative thermal oxidiser and wet scrubber	Baghouse, regenerative thermal oxidiser and wet scrubber
Bauxite stockpiles	1.92 Mt approximately	1.92 Mt approximately

Power and steam raising facilities		
Existing gas fired cogeneration - capacity	120 MW	120 MW
Existing coal fired facility – capacity	110 MW (electrical)	110 MW (electrical)
Particulate emission control	Electrostatic precipitators on three boilers	Electrostatic precipitators on three boilers
New coal fired boiler - normal capacity	Two circulating fluidized bed multi-fuel co-generation boilers 100 MW (electrical) 342 MW (thermal)	Two circulating fluidized bed multi-fuel co-generation boilers 100 MW (electrical) 400 MW (thermal)
Emission control	Limestone injection and baghouse filters	Limestone injection and baghouse filters
New gas fired cogeneration (alternative) ⁴ – Capacity	120 MW	120 MW
Bauxite Residue Disposal Areas		
Deposition rate	18.5Mtpa (wet) (no change to footprint of BRDA) Figure 3	18.5Mtpa (wet) (no change to footprint of BRDA) Figure 3
Raw Water supply		
Sources	Freshwater lake (Augustus River) and offsite purchase from water provider as required	Freshwater lake (Augustus River) and offsite purchase from water provider as required
Usage (average)	2.6 GL (from Freshwater lake)	2.6 GL (from Freshwater lake)
Air emissions		
Sulphur dioxide (SO ₂) from coal fired facilities	Up to 12,220tpa.	Up to 13,370 tpa from combustion, liquor burner and calciner sources
Nitrogen oxides (NO _x) from combustion, liquor burner and calciner sources	Up to 6,890tpa.	Up to 6,890tpa.
Particulates (PM ₁₀) from combustion, liquor burner and calciner sources	Up to 520tpa.	Up to 520tpa.
Carbon monoxide (CO) from combustion, liquor burner and calciner sources	Up to 1010tpa.	Up to 1350 tpa
Total volatile organic compounds (VOCs) from all sources	Up to 300tpa	Up to 300tpa

Abbreviations

BRDA's Bauxite residue disposal area
GL/a gegalitres per annum
ha hectares
ML/a megalitres per annum

MW megawatts
Mt megatonnes
Mtpa million tonnes per annum
tpa tonnes per annum

Dr Paul Vogel
CHAIRMAN
Environmental Protection Authority
under delegated authority

Approval date: 30 April 2012



SHIRE OF BODDINGTON
PO Box 4
BODDINGTON WA 6390

South32 Worsley Alumina Pty
Ltd

Remittance Advice

Date / Ref 29.04.2016 / 1500108069
Vendor no. 20001643

Dear Sir/Madam,

Invoice items listed below will be paid by one Direct Credit to your nominated bank account under reference 1500108069.

Your nominated bank account is: 086-535 037697737

Our Ref PO Number	Your Ref./ Del. Note Order REF Type	Date	Inv. Amount	Deductions	Net amount
5200002507	South32-/Applica	26.04.2016	739.00	0.00	739.00
		26.04.16-26.04.16-Application fee-M70/111			
Sum total				0.00	739.00

Payment document 1500108069	Date 29.04.2016	Currency AUD	Total payment amount *****739.00*
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Level 35, 108 St Georges Terrace,
Perth WA 6000
Australia

Boddington River Action Group

20th July 2016
Shire of Boddington
39 Bannister Rd
BODDINGTON WA 6390

Att. Mr Chris Littlemore

Dear Chris

Re: Development application - Bauxite mining on Lots 66, 137, 159 & 230 Farmers Avenue & Robins Road, Boddington.

As the proposed bauxite mining operation is located on privately owned agricultural land, BRAG members have no objection to the private negotiations contracted between the land owner, Mr Ray Farmer and South32 Worsley Alumina Pty. Ltd. However, we request that any mining and/or access activities do not impinge on the natural seasonal water course (Broombush Gully) flowing through Lot 230 and the extreme north east corner of Lot 159. These activities have the potential to cause sedimentation transfer to the Hotham River if the water course is not protected.

Yours Sincerely

A handwritten signature in black ink, appearing to read 'G Marston', is written over a light pink rectangular background.

Greg Marston
Chairman
Boddington River Action Group



Government of **Western Australia**
Department of **Mines and Petroleum**

Your ref: A75
Our ref: A1734/200901
Enquiries: Glennis Hall - Ph 08 9222 3104 Fax 08 9222 3633
Email: glennis.hall@dmp.wa.gov.au

Mr Chris Littlemore
Chief Executive Officer
Shire of Boddington
39 Bannister Road
PO Box 4
BODDINGTON WA 6390

Dear Chris

**DEVELOPMENT APPLICATION — FOR BAUXITE MINING (INDUSTRY —
EXTRACTIVE): LOTS 66, 137, 159 AND 230 FARMERS AVENUE AND
ROBINS ROAD, BODDINGTON**

Thank you for your letter of 9 June 2016 regarding the development application for the above bauxite mining proposal.

The above lots have been correctly identified by the proponents as being Mineral-to-Owner land (MTO) and thus fall outside the jurisdiction of the Mining Act 1978.

The Department of Mines and Petroleum (DMP) would like to bring to your attention that bauxite is not a basic raw material and therefore, does not fit the definition of 'Industry — Extractive' as per the Planning and Development (Local Planning Schemes) Regulations 2015. However, as this is an unusual case, DMP understands that the Shire of Boddington may use its established management plans associated with 'Industry — Extractive' to regulate the mining operations for MTO land.

DMP has determined that this proposal raises no significant issues with respect to mineral and petroleum resources, geothermal energy, and basic raw materials.

Yours sincerely

for Rick Rogerson
Executive Director
GEOLOGICAL SURVEY OF WESTERN AUSTRALIA

21 July 2016

000234.Glennis.HALL.docx -
Release Classification: - Addressee and Within Government Only

Mineral House 100 Plain Street East Perth Western Australia 6004
Telephone +61 8 9222 3333 Facsimile +61 8 9222 3862
www.dmp.wa.gov.au
www.wa.gov.au
ABN 69 410 335 358



Government of Western Australia
Department of Aboriginal Affairs

ENQUIRIES : Ryan Crawford- Ph 6551 8091

OUR REF: 2006/0940-02

YOUR REF: A75

Mr Chris Littlemore
Chief Executive Officer
Shire of Boddington
PO Box 4
BODDINGTON WA 6390

SHIRE OF
BODDINGTON
RECEIVED

24 JUN 2016

Distribute to:

☐ DCS ☐ DSP ☐ MWS
☐ PEHO ☐ FM ☒ CEO
☐ MWS ☒ TPC ☐ MCS

File No

A75

Date

Initial

Dear Mr Littlemore

**DEVELOPMENT APPLICATION - FOR BAUXITE MINING (INDUSTRY -
EXTRACTIVE); LOTS 66, 137, 159 AND 230 FARMERS AVENUE AND ROBINS
ROAD, BODDINGTON**

Thank you for your letter to the Department of Aboriginal Affairs (DAA) dated 9 June 2016 and for providing the opportunity to comment on the above development application. It is understood that the area subject of the application (the Subject Area) is indicated on the Map titled 'Minerals to Owner Areas Marradong North West Area' that accompanied your letter.

DAA has reviewed the relevant information and can confirm that there is currently one Aboriginal heritage place known to DAA within the Subject Area. That place is Registered Aboriginal site DAA 4060 (Farmer's Crossing), which consists of three culturally modified trees that are situated within tenement M70/111.

As there is a Registered Aboriginal site within the Subject Area, it is recommended that the applicant undertake a due diligence risk assessment of the proposed works in relation to Aboriginal heritage. DAA has released Aboriginal Heritage Due Diligence Guidelines (the Guidelines) to assist land users and developers with planning and considering Aboriginal heritage in relation to proposed works. A copy of the Guidelines can be found on the DAA website at: <http://www.daa.wa.gov.au/heritage/land-use/>.

Please contact Mr Ryan Crawford, Senior Advice and Approvals Officer DAA on (08) 6551 8091 or via email at Ryan.Crawford@daa.wa.gov.au should you require further information.

Yours sincerely

Kathryn Przywolnik
DIRECTOR ADVICE AND APPROVALS

20 June 2016

000275.ryan.crawford.docx - East Perth

Page 1 of 1

Release Classification: - Addressee Use Only

Ground Floor, 151 Royal Street, East Perth, Western Australia, 6004



Government of Western Australia
Department of Water

SHIRE OF
BODDINGTON
RECEIVED

06 JUL 2016

Distribute to:

☐ DCS ☐ DSP ☐ MINS
☐ PEHO ☒ FM ☐ CEO
☐ MWS ☒ TPC ☐ MCS

Shire of Boddington
PO Box 4
BODDINGTON WA 6390

Attention: Steve Thompson

File No 2
Date _____
Initial _____

Your ref: A75
Our ref: RF815-10
PA008204
Enquiries: Catherine Taylor



Dear Steve,

**Re: Development Application – For Bauxite Mining (Industry – Extractive)
Lots 66, 137, 159 and 230 Farmers Avenue and Robins Road Boddington**

Thank you for the referral for the abovementioned site received with correspondence 14 June 2016. The Department of Water (DoW) has reviewed the application and has no objection to the proposal.

Save time with Water Online

As your organisation is registered to use Water Online, we encourage you to lodge future referrals electronically via the Water Online customer portal at www.water.wa.gov.au. Water Online provides the fastest and most efficient process for submitting referrals or requests for planning advice. If you have any questions regarding the Water Online portal please contact our Business Support Unit on 1800 508 885 (select Option 2) or planning.enquiries@water.wa.gov.au.

If you have any queries relating to the above matter, please contact Catherine Taylor at the DoW's Mandurah office on 9550 4237.

Yours sincerely

For C Taylor

**Brett Dunn
Program Manager – Urban Water Management
Peel Region**

30 June 2016

Mandurah Peel Region

Annexure A - Restoration Principles

1 Purpose

The purpose of this document is to outline the objectives, strategies, general principles and practices, monitoring requirements and review mechanisms for the rehabilitation of land within the Agreement Area which is disturbed as a result of Worsley's Drilling Activities and Mining Activities on the Agreement Area.

The Restoration Program (comprising the Rehabilitation Prescription and the Final Land Use Plan) will be developed in consultation with the Owner in accordance with clause 9.

2 Restoration objectives

The agreed final land use for the rehabilitated land will be consistent with the original pre-mining land use and surrounding land use, comprising areas of "Annual Pastures", "Pasture Woodland" or "Remnant Bush" (as described further in Section 3 below).

Restoration aims to re-establish the pre-mining land capability consistent with original land use and surrounding land use. Agreed specific objectives are as follows:

- **Compatible landscape:** The landform of the rehabilitated area will be compatible with the surrounding landscape.
- **Hydrological system:** The pre-mining hydrological regime will be progressively re-established by establishing an equivalent area of bush vegetation.
- **Soil conservation:** The rehabilitated area will be stable with no increase in the potential risk of wind and water erosion.
- **Productivity:** The land capability of the disturbed area will be restored to enable productivity levels consistent with pre-mining productivity, as reflected by the productivity in adjacent areas of equivalent land use.
- **Equivalent remnant vegetation:** In conformance with the State's policy on land clearing, an equivalent area of remnant vegetation to that which existed pre-mining will be reinstated, with a view to ensuring that the ecological value of the rehabilitated areas will be approximately equal to or, if agreed, greater, than that which existed prior to mining.

Unless the Owner otherwise agrees, in restoring the Agreement Area, Worsley shall do such acts, matters and things which are required to restore the Agreement Area as far as reasonably practicable to the state and condition

it was in prior to the commencement of the Drilling Activities and Mining Activities including:

- removing all pollutants, contaminants and litter from the Owner's Land;
- remediating any pollution or contamination caused by the Drilling Activities and Mining Activities;
- dismantling and removing structures, plant and equipment, capping any drill holes;
- backfilling and contouring in the mine works and other excavations so as to integrate the topography of any affected land into the surrounding land (as far as reasonably practicable);
- replacing topsoil, fertilising, and establishing vegetation, and replacing as necessary any vegetation that fails; and
- monitoring the rehabilitated areas to confirm rehabilitation objectives will be achieved.

3 Post-mining procedures

3.1 Earthworks

Rehabilitation earthworks will be undertaken in accordance with the following principles:

- Deep ripping will be carried out to reduce compaction.
- Landscaping will be carried out so as to blend mined areas with surrounding landforms. Pit faces will be battered down and final slopes will be suitable for the agreed end land use. Maximum slopes will not exceed 33% (1:3). Hollows that have the potential to pond water will be avoided.
- Topsoil will be returned so as to maximise value to rehabilitation. No large areas of exposed clay will be left on any part of the rehabilitated area after soil return.

Worsley will allow the Owner to inspect the rehabilitation area during the earthworks stage whenever reasonably requested by the Owner.

3.2 Infrastructure

Infrastructure (eg fences, gates, tracks etc) will be reinstated as shown in the Final Land Use Plan. Reinstatement of infrastructure will be undertaken in accordance with the following principles.

- Fences will be established to a standard deemed acceptable for intended stock use.
- Areas rehabilitated to remnant vegetation will be fenced off from pasture areas to manage grazing.

- Unless agreed by Worsley and the Owner, fences will remain in place until the rehabilitation obligation has been fulfilled.
- Tracks will be of a standard comparable with the original tracks.
- A two metre wide firebreak will be maintained inside fence lines that surround remnant vegetation rehabilitation areas.
- Worsley will maintain fire breaks during its management period.

3.3 Revegetation

A primary objective of remnant vegetation restoration is for the area and ecological value to be approximately equal or, if agreed, greater, than that which existed prior to mining. Rehabilitated remnant vegetation areas may not necessarily be located in the same pre-mining position, but will be strategically located to optimise contribution to sustainability.

Three general types of vegetation are available for private land rehabilitation, namely, "Annual Pastures", "Pasture Woodland" or "Remnant Bush". The rehabilitation may include a combination of two or three of these general vegetation types. A general description of each of these vegetation types is set out below. The areas of each vegetation will be shown on the Final Land Use Plan.

1. Annual Pastures.

Annual Pasture vegetation will be based on annual rye grass and sub-clover, consistent with the original pre-mining and surrounding pastures.

2. Pasture Woodland

Pasture Woodland vegetation comprises a tree cover with an under-storey of annual pasture.

Rehabilitation to Pasture Woodland will involve establishing a permanent annual pasture of sub-clover and annual ryegrass with a planting of trees designed to achieve at least the pre-mining tree density. Trees may be established individually or in individual or multiple rows as alleys to achieve an agreed planting density.



Photograph 1: Indicative photo of pre-existing pasture woodland (Nichols' property). The pasture woodland rehabilitation prescription aims to ultimately recreate this type of vegetation.



Photograph 2: Indicative photo of replanted pasture woodland (Fawcett property). The pasture woodland rehabilitation prescription aims to create this type of vegetation in ten years.

3. Remnant Bush

This option would receive the similar direct seed mix as a comparable area within the Saddleback Timber Reserve. The vegetation composition may be varied to exclude some species (eg native poisons etc).



Photograph 3: Indicative photo of pre-existing conservation woodland (Saddleback timber reserve). The Remnant Bush prescription aims to ultimately recreate this type of vegetation.



Photograph 4: Indicative photo of eight year old remnant bush rehabilitation (Saddleback Timber Reserve). The remnant bush prescription aims to create this type of vegetation in eight years.

4 Vegetation establishment

The following principles for the establishment and management of the vegetation are indicative and may be varied in agreement with the Owner to address the specifics of the area being rehabilitated.

4.1 Pasture establishment

- Varieties will be based on Department of Agriculture and Food pasture recommendations following consultation with the Owner.

- Fertiliser regimes will be based on promoting rapid establishment of crops and pastures.
- At the request of Worsley, crop residues will be grazed as necessary by the Owner in consultation with Worsley. The aim will be to retain sufficient residue to assist in removing rocks from the cropped areas by raking or pin-wheeling. Worsley will be responsible for ensuring that temporary watering points are available for livestock.
- The final soil surface should be in a condition that the Worsley and the Owner accepts is similar to comparable surrounding unmined pasture.
- The areas being cropped will be checked by Worsley for weed, pests, nutrient deficiency symptoms and plant disease symptoms.
- Worsley will control any problems that are observed using methods recommended by a qualified agronomist or the Department of Agriculture and Food, subject to the Owner's approval.
- Grazing management will be critical for establishing a robust pasture. When necessary, arrangements will be made with the Owner to provide stock to graze pastures.

4.2 Pasture Woodland revegetation

Rehabilitation to Pasture Woodland will involve the establishment of a permanent pasture of sub-clover and annual ryegrass and planting of trees. Rehabilitation practices will be in accordance with the following principles:

- The ground surface will be rougher than in surrounding paddocks used for cropping, however, most of the area will be accessible by four-wheel drive vehicles.
- Pasture varieties will be based on recommendations from the Department of Agriculture and Food, following consultation with the Owner.
- The tree composition (species, configuration etc) of the Pasture Woodland will be agreed between Worsley and the Owner. The minimum final tree density will be based on the pre-existing vegetation.
- Fertiliser regimes will be based on promoting rapid establishment of crops, pastures and trees.
- The Pasture Woodland area will be checked by Worsley for weeds, pests, nutrient deficiency symptoms and plant disease symptoms.
- Worsley will control any problems that are observed using methods recommended by an appropriately qualified consultant (or the Department of Agriculture and Food or the Department of Environment and Conservation, as appropriate), subject to the Owner's approval.

- Grazing management will be critical for establishing a robust pasture and protection of trees. When necessary, arrangements will be made with the Owner to provide stock to graze pastures.

4.3 Remnant Bush revegetation

Remnant Bush revegetation aims to re-establish a dense vegetation of native species comprising trees and understorey shrubs to provide stability, especially for steeper rehabilitated areas. Remnant Bush areas would generally not be suitable for grazing stock. Rehabilitation practices will be based on the following principles:

- Worsley will apply a local provenance seed mix of trees and understorey species based on that used for comparable rehabilitation areas within the Saddleback Timber Reserve.
- A single application in July-August of the year of establishment of 450 kg/ha of Superphosphate No. 1 (with trace elements copper, molybdenum and zinc).
- Worsley will be responsible for managing the native revegetation and maintaining firebreaks for 5 years after sowing.
- While Worsley has any responsibility for rehabilitation, any decision to graze the area of native revegetation will be made by Worsley.

5 Rehabilitation management and completion

It is proposed that the land will be progressively returned to the Owner's management, subject to any reworking, replanting or other necessary remedial activities being carried out by Worsley. Following completion of the rehabilitation in a particular area in accordance with the criteria set out in section 5.1 below, a two year joint management period is anticipated. However, the timeframe may vary depending on the development and progress of the rehabilitation vegetation.

Worsley will continue monitoring, to confirm sustainability of the rehabilitation, for a further three years after the end of the joint management period. At this time, Worsley (in consultation with the Owner), will seek a recommendation from the Environmental Management Liaison Group for the purposes of obtaining approval of Worsley's rehabilitation from the Minister for the purposes of the Worsley Agreement.

5.1 Proposed completion criteria

Worsley will be taken to have fulfilled its rehabilitation obligations when the following have been achieved:

1. The landform of the rehabilitated area is stable and integrated into the surrounding landscape.
2. For Annual Pasture rehabilitation:
 - The soil surface is comparable to that of similar surrounding areas of pasture.

- Productivity is comparable to that of similar surrounding areas of pasture.
 - The rehabilitated pasture has a clover/ryegrass composition comparable or greater than that of similar surrounding areas of pasture.
 - Standard (CSBP) soil and tissue tests indicate that rehabilitated pasture areas have nutrient status comparable to or better than that of similar surrounding areas of pasture.
3. For Pasture Woodland rehabilitation:
- The soil surface is comparable to that of similar surrounding areas of woodland.
 - Tree survival at 5 years of age is at least 90% of the agreed tree density.
 - Pasture productivity is comparable to that of similar surrounding areas of woodland.
 - The rehabilitated pasture has a clover/ryegrass composition comparable or greater than that of similar surrounding areas of pasture.
 - A standard (CSBP) soil and tissue test indicates that rehabilitated pasture have nutrient status comparable to or better than that of similar surrounding areas of pasture.
4. For Remnant Bush rehabilitation:
- The tree density meets or exceeds agreed tree density.
 - The understorey density meets or exceeds agreed density.

Cr Hoek and Cr Collins entered Chambers at 5:20pm.

8.2 MANAGER FINANCIAL SERVICES:

8.2.1 Monthly Financial Statements – July 2016

Disclosure of Interest: Nil
Date: 10 August 2016
Author: J Rendell – Manager Financial Services
Attachments: 8.2.1A Financial Statements – July 2016

Summary

Council is to consider Monthly Financial Reports for July 2016.

Background

In accordance with Local Government (Financial Management) Regulations 1996 Council is to adopt Monthly Financial Report including the Operating Statement, Statement of Financial Position at the end of each month. Council has also wishes to consider a summary of financial reconciliations on a monthly basis.

Councillors have the opportunity to query financials before the meeting to satisfy themselves before the item comes before Council.

Financial Summary Year to Date July 2016

The following is provided to assist in the understanding of Councils financial position. It is emphasised that the comparatives and comments are relative to the approved budget.

Operating Result

Revenue

Revenue is 2.9% or \$132k unfavourable to budget. Within the main items the following is noted:-

- **Operating Grants** is 56% or \$87k unfavourable to budget:
 - \$149k unfavourable in relation to Bushfire Management Planning Co-ordinator (this will be corrected in the revised budget whereby some of the funds received in 2015/16 were unspent and will be funded from the restricted reserves and not income)
 - \$20k favourable for the Road safety alliance (this represents a timing difference only)
 - \$48k favourable for the Mainroads Direct Road Grant (this represents a timing difference only)
- **Fees & Charges** is 7.2% or \$20k unfavourable to budget.
- **Interest Earnings** is 90.6% or \$10k unfavourable to budget, due to a deferral from accruing interest, this will be included in the next month's report and is considered as a timing difference only.
- **Other Revenue** is 71% or \$10k favourable to budget.
- **Profit from Asset sales** it is noted that there is not expected to be any profit from asset sales.

Expenditure

Expenditure is 2% or \$12k favourable to budget. Within the main items the following is noted:-

- **Employee costs** are only 0.5% unfavourable to budget.
- **Materials and contracts** are collectively 26.2% or \$33k favourable to budget, it is too early in the year and the variance is considered as only timing.
- **Utility charges** are 25% or \$7k unfavourable to budget.
- **Depreciation** is 4% or \$4k favourable to budget
- **Interest expense** is 106% or \$7k favourable to budget, mainly due to a deferral of reversing end of year interest expense accrual, this will be undertaken and reflected in the next month's financial report.
- **Other expenditure** is 16% or \$2k favourable to budget.

Financial Summary Year To Date July 2016

Net Result

The net result shows a 3% or \$120k unfavourable result to budget, due to total revenue being \$132k unfavourable and expenditure being \$12k favourable to budget.

Capital Items

Capital revenue is 442% or \$223k unfavourable to budget, due to:-

- \$152k favourable from the Recreation Centre grant, which was not budgeted in 2016/17, but will be corrected in the revised budget position.
- \$121k favourable from Regional Road Group grant, that was received earlier than anticipated.
- These are partially offset by Roads to Recovery grant of \$25k being unfavourable, which is only a timing issue.

Capital expenditure is 14% or \$11k favourable to budget, this is considered only as a timing difference.

FUNDING ITEMS

Repayment of loan principal; is in line with budget.

RESERVE ITEMS

It is noted that this line item has been allocated at year end, the significant reserve movement is as a result of significant under expenditure in respect of capital expenditure for land and buildings. This will form a significant part of the restricted funds at year end.

Cash & Investments

Cash and investments sits at \$7.5M, this represents an increase of \$100k from the previous month, mainly due to cash outlays being lower than receipts. It is emphasised however that the majority of funds is tagged as "restricted" and therefore cannot form part of Council's unrestricted or free cash. Council free cash at year end is \$721k.

Summary

The financial result is on budget.

Comment

The Operating Statement, Statement of Financial Position, Statement of Cash flow, Statement of Financial Activity and Summary of Reconciliations are submitted for the month of July.

FINANCIAL SUMMARY YEAR TO DATE

Statutory Environment - Local Government (Financial Management) Regulations 1996

OFFICER'S RECOMMENDATION – 8.2.1

COUNCIL RESOLUTION	61/16	Moved Cr Smart
--------------------	-------	----------------

That Council adopt the:

1. monthly financial statements for the period ending 31 July 2016; and
2. summary of reconciliations for the period ending 31 July 2016.

Seconded	Cr Crilly	Carried	6/0
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SHIRE OF BODDINGTON

Financial Reports for the period ended

31-Jul-16

Report Type	Page No.
Summary of Financial Activity	1
Comprehensive Income Statement by Nature/type	2
Comprehensive Income Statement by Programme	3
Rate Setting Statement	4
Statement of Financial Position	5
Capital Expenditure by Asset type	6
Financial Graphs	7

SHIRE OF BODDINGTON						
SUMMARY OF FINANCIAL ACTIVITY by Nature or Type						
For the period ended						
31-Jul-16						
	2016/17 Budget			Actual	Variance	% Variance
	Approved	Current	YTD	YTD	YTD	YTD
Opening Funding Surplus (Deficit)	-	-	-	-	-	-
Revenue						
Rates	4,106,113	4,106,113	4,106,113	4,084,430	- 21,683	-0.5%
Operating Grants, Subsidies and Contributions	736,081	736,081	155,227	68,100	- 87,127	-56.1%
Fees and Charges	1,050,142	1,050,142	282,480	262,178	- 20,302	-7.2%
Interest Earnings	131,797	131,797	10,982	1,036	- 9,946	-90.6%
Other Revenue	173,487	173,487	10,222	17,473	7,251	70.9%
Profit from Asset Sales	-	-	-	-	-	-
OPERATING INCOME	6,197,620	6,197,620	4,565,024	4,433,216	- 131,808	-2.9%
Expenses						
Employee Costs	- 2,518,897	- 2,518,897	- 189,828	- 190,830	- 1,002	-0.5%
Materials and Contracts	- 1,532,789	- 1,532,789	- 127,655	- 94,187	33,468	26.2%
Utility Charges	- 313,669	- 313,669	- 27,784	- 34,864	- 7,080	-25.5%
Depreciation on Non-Current Assets	- 1,378,259	- 1,378,259	- 114,851	- 110,546	4,305	3.7%
Interest Expenses	- 121,119	- 121,119	- 6,337	- 13,108	- 6,771	-106.8%
Insurance Expenses	- 208,943	- 208,943	- 104,482	- 117,778	- 13,296	-12.7%
Loss on Asset Sales	-	-	-	-	-	-
Other Expenditure	- 150,315	- 150,315	- 12,092	- 10,148	1,944	16.1%
OPERATING EXPENDITURE	- 6,223,991	- 6,223,991	- 583,029	- 571,460	11,569	2.0%
Net Result	- 26,370	- 26,370	3,981,995	3,861,756	- 120,239	-3.0%
Adjustments for Non-Cash Items						
Depreciation	1,378,259	1,378,259	114,851	110,546	- 4,305	-3.7%
Loss on Asset Disposals	-	-	-	-	-	-
(Profit) on Asset Disposals	-	-	-	-	-	-
Provisions and Accruals	-	-	-	-	-	-
	1,378,259	1,378,259	114,851	110,546	- 4,305	-3.7%
Net Result before funding and Capex items	1,351,888	1,351,888	4,096,846	3,972,302	- 124,544	-3.0%
Capital Income and Expenditure						
Non-operating Grants & contributions	762,767	762,767	50,465	273,700	223,235	-442.4%
Purchase Land & Buildings	- 404,641	- 404,641	- 8,720	- 9,833	- 1,113	-12.8%
Purchase Plant & Equipment	- 322,344	- 322,344	- 30,958	- 897	30,061	97.1%
Purchase Roads, Streets & Bridges	- 1,029,551	- 1,029,551	- 29,844	- 79,929	- 50,085	-167.8%
Purchase Other Infrastructure	- 156,569	- 156,569	- 13,047	- 2,788	10,259	78.6%
Proceeds from Asset Sales	384,000	384,000	-	-	-	-
Net Capital Items	- 766,338	- 766,338	- 32,104	180,253	212,357	661.5%
Funding Items						
Proceeds from New loans	-	-	-	-	-	-
Repayment of Loan Principal	- 301,130	- 301,130	- 25,094.17	- 29,935	- 4,841	-
Self Supporting Loan Principal Income	-	-	-	-	-	-
Total Funding Items	- 301,130	- 301,130	- 25,094	- 29,935	- 4,841	-
Reserve Items						
Transfers to Reserves	- 56,109	- 56,109	-	-	-	-
Transfers from Reserves	-	-	-	-	-	-
Net Reserve movement	- 56,109	- 56,109	-	-	-	-
Closing Funding Surplus (Deficit)	228,311	228,311	4,039,648	4,122,620	82,972	2.1%

SHIRE OF BODDINGTON STATEMENT OF COMPREHENSIVE INCOME BY PROGRAM For the period ended							31-Jul-16
	2016/17 Budget Approved	Current	YTD	Actual YTD	Variance YTD	% Variance YTD	
Revenue							
Governance	4,554,904	4,554,904	4,115,692	4,096,628	-19,064	-0.5%	
General Purpose Funding	71,905	71,905	5,006	2,141	-2,865	-57.2%	
Law, Order, Public Safety	291,921	291,921	152,184	634	-151,550	-99.6%	
Health	29,770	29,770	2,479	2,668	189	7.6%	
Education and Welfare	410,949	410,949	33,310	3,858	-29,452	-88.4%	
Housing	20,073	20,073	1,671	4,276	2,605	155.9%	
Community Amenities	286,608	286,608	223,359	226,683	3,324	1.5%	
Recreation and Culture	79,548	79,548	3,030	1,808	-1,222	-40.3%	
Transport	103,961	103,961	26	68,100	68,074	261823.1%	
Economic Services	268,758	268,758	21,666	20,142	-1,524	-7.0%	
Other Property and Services	79,225	79,225	6,601	6,277	-324	-4.9%	
	6,197,620	6,197,620	4,565,024	4,433,216	-131,808	-2.9%	
Expenses excluding Finance Costs							
Governance	- 1,794,032	- 1,794,032	- 189,607	- 174,054	15,553	8.2%	
General Purpose Funding	- 2,638	- 2,638	- 219	- 10,375	- 10,156	-4637.6%	
Law, Order, Public Safety	- 395,904	- 395,904	- 34,902	- 42,109	- 7,207	-20.6%	
Health	- 132,633	- 132,633	- 12,863	- 12,216	647	5.0%	
Education and Welfare	- 534,555	- 534,555	- 43,459	- 34,337	9,122	21.0%	
Housing	- 94,784.33	- 94,784.33	- 10,298.00	- 9,830.56	467	4.5%	
Community Amenities	- 302,459	- 302,459	- 25,154	- 33,435	- 8,281	-32.9%	
Recreation and Culture	- 576,203	- 576,203	- 58,699	- 60,124	- 1,425	-2.4%	
Transport	- 1,480,038.40	- 1,480,038.40	- 122,948.00	- 154,869.50	- 31,922	-26.0%	
Economic Services	- 274,821	- 274,821	- 24,521	- 36,233	- 11,712	-47.8%	
Other Property and Services	- 514,803	- 514,803	- 54,022	- 9,232	63,254	117.1%	
	- 6,102,871	- 6,102,871	- 576,692	- 558,353	18,339	3.2%	
Finance Costs							
Governance	- 40,510	- 40,510	- 3,375	- 3,597	222	-6.6%	
General Purpose Funding	-	-	-	-	-		
Law, Order, Public Safety	-	-	-	-	-		
Health	-	-	-	-	-		
Education and Welfare	- 11,067	- 11,067	-	- 599	599	#DIV/0!	
Housing	- 35,389	- 35,389	- 2,107	- 4,200	2,093	-99.3%	
Community Amenities	-	-	-	-	-		
Recreation and Culture	- 33,106	- 33,106	- 855	- 4,484	3,629	-424.4%	
Transport	- 1,048	- 1,048	-	- 227	227	#DIV/0!	
Economic Services	-	-	-	-	-		
Other Property and Services	-	-	-	-	-		
	- 121,119	- 121,119	- 6,337	- 13,108	6,771	-106.8%	
Net Result before Capital Income	- 26,370	- 26,370	3,981,995	3,861,756	- 106,698		
Non Operating Grants, Subsidies and Contributions							
Law, Order, Public Safety	-	-	-	-	-		
Education and Welfare	-	-	-	-	-	#DIV/0!	
Recreation and Culture	30,000	30,000	-	152,500	152,500		
Transport	732,767	732,767	50,465	121,200	70,735	140.2%	
Economic Services	-	-	-	-	-	#DIV/0!	
Other Property and Services	-	-	-	-	-		
	762,767	762,767	50,465	273,700	223,235	442.4%	
Other Comprehensive Income							
Changes on Revaluation of Non-Current Assets	- 64,500	- 64,500	-	-			
TOTAL COMPREHENSIVE INCOME	671,897	671,897	4,032,460	4,135,456	102,996	2.6%	

SHIRE OF BODDINGTON
STATEMENT OF COMPREHENSIVE INCOME BY NATURE/TYPE
For the period ended

31-Jul-16

	2016/17 Budget			Actual	Variance	% Variance
	Approved	Current	YTD	YTD	YTD	YTD
Revenue						
Rates	4,106,113	4,106,113	4,106,113	4,084,430	- 21,683	-0.5%
Operating Grants, Subsidies and Contributions	736,081	736,081	155,227	68,100	- 87,127	-56.1%
Fees and Charges	1,050,142	1,050,142	282,480	262,178	- 20,302	-7.2%
Interest Earnings	131,797	131,797	10,982	1,036	- 9,946	-90.6%
Other Revenue	173,487	173,487	10,222	17,473	7,251	70.9%
OPERATING INCOME	6,197,620	6,197,620	4,565,024	4,433,216	- 131,808	-2.9%
Expenses						
Employee Costs	- 2,518,897	- 2,518,897	- 189,828	- 190,830	- 1,002	-0.5%
Materials and Contracts	- 1,532,789	- 1,532,789	- 127,655	- 94,187	33,468	26.2%
Utility Charges	- 313,669	- 313,669	- 27,784	- 34,864	- 7,080	-25.5%
Depreciation on Non-Current Assets	- 1,378,259	- 1,378,259	- 114,851	- 110,546	-	0.0%
Interest Expenses	- 121,119	- 121,119	- 6,337	- 13,108	- 6,771	-106.8%
Insurance Expenses	- 208,943	- 208,943	- 104,482	- 117,778	- 13,296	-12.7%
Other Expenditure	- 150,315	- 150,315	- 12,092	- 10,148	1,944	16.1%
OPERATING EXPENDITURE	- 6,223,991	- 6,223,991	- 583,029	- 571,460	11,569	2.0%
Net Result before Capital Income	- 26,370	- 26,370	3,981,995	3,861,756	- 120,239	-3.0%
Non-Op. Grants, Subsidies and Contributions	762,767	762,767	50,465	273,700	223,235	442.4%
Profit on Asset Disposals	-	-	-	-	-	-
Loss on Asset Disposals	-	-	-	-	-	#DIV/0!
OTHER	762,767	762,767	50,465	273,700	223,235	442.4%
NET RESULT	736,397	736,397	4,032,460	4,135,456	102,996	2.6%
Other Comprehensive Income						
Changes on Revaluation of Non-Current Assets	- 64,500	- 64,500	-	-	-	-
Total Other Comprehensive Income	- 64,500	- 64,500	-	-	-	-
TOTAL COMPREHENSIVE INCOME	671,897	671,897	4,032,460	4,135,456	102,996	2.6%

SHIRE OF BODDINGTON RATE SETTING STATEMENT For the period ended							31-Jul-16
	2016/17 Budget Approved	Current	YTD	Actual YTD	Variance YTD	% Variance YTD	
Revenue							
Operating Grants, Subsidies and Contributions	736,081	736,081	155,227	68,100 -	87,127	-56.1%	
Fees and Charges	1,050,142	1,050,142	282,480	262,178 -	20,302	-7.2%	
Interest Earnings	131,797	131,797	10,982	1,036 -	9,946	-90.6%	
Other Revenue	173,487	173,487	10,222	17,473	7,251	70.9%	
Profit from Asset Sales	-	-	-	-	-	-	
Total Operating Revenue excluding Rates	2,091,507	2,091,507	458,911	348,787 -	110,125	-24.0%	
Expenses							
Employee Costs	- 2,518,897 -	- 2,518,897 -	- 189,828 -	- 190,830 -	- 1,002	-0.5%	
Materials and Contracts	- 1,532,789 -	- 1,532,789 -	- 127,655 -	- 94,187	- 33,468	26.2%	
Utility Charges	- 313,669 -	- 313,669 -	- 27,784 -	- 34,864 -	- 7,080	-25.5%	
Depreciation on Non-Current Assets	- 1,378,259 -	- 1,378,259 -	- 114,851 -	- 110,546	- 4,305	3.7%	
Interest Expenses	- 121,119 -	- 121,119 -	- 6,337 -	- 13,108 -	- 6,771	-106.8%	
Insurance Expenses	- 208,943 -	- 208,943 -	- 104,482 -	- 117,778 -	- 13,296	-12.7%	
Loss on Asset Sales	-	-	-	-	-	-	
Other Expenditure	- 150,315 -	- 150,315 -	- 12,092 -	- 10,148	- 1,944	16.1%	
Operating Expenditure	- 6,223,991 -	- 6,223,991 -	- 583,029 -	- 571,460	- 11,569	2.0%	
Operating Result Excluding Rates Income	- 4,132,483 -	- 4,132,483 -	- 124,118 -	- 222,673 -	- 98,556	-79%	
Adjustments for Non-Cash Items							
Depreciation	1,378,259	1,378,259	114,851	110,546 -	4,305	3.7%	
(Profit)/Loss on Asset Disposals	-	-	-	-	-	-	
Provisions & Accruals	-	-	-	-	-	-	
	1,378,259	1,378,259	114,851	110,546 -	4,305	3.7%	
Capital Income and Expenditure							
Purchase of Capital Expenditure	- 1,913,105 -	- 1,913,105 -	- 82,569 -	- 93,447 -	- 10,878	-13.2%	
Non-operating Grants & contributions	762,767	762,767	50,465	273,700	223,235	-442.4%	
Proceeds from Asset Sales	384,000	384,000	-	-	-	-	
	- 766,338 -	- 766,338 -	- 32,104	- 180,253	- 212,357	661.5%	
Funding & Reserve Items							
Proceeds from New loans	-	-	-	-	-	-	
Repayment of Loan Principal	- 301,130 -	- 301,130 -	- 25,094 -	- 29,936 -	- 4,842	-19.3%	
Self Supporting Loan Principal Income	-	-	-	-	-	-	
Transfers to Reserves	- 56,109 -	- 56,109	-	-	-	-	
Transfers from Reserves	-	-	-	-	-	-	
	- 357,239 -	- 357,239 -	- 25,094 -	- 29,936 -	- 4,842	-19.3%	
Estimated Surplus/(Deficit) July 1 B/Fd.	-	-	-	-	-	-	
Estimated Surplus/(Deficit) June 30 C/Fd.	228,312	228,312	4,039,648	4,122,620 -	82,972	-	
Amount required from General Rate	- 4,106,113 -	- 4,106,113 -	- 4,106,113 -	- 4,084,430	- 187,626	-4.6%	

SHIRE OF BODDINGTON	
STATEMENT OF FINANCIAL POSITION	
For the period ended	31-Jul-16
CURRENT ASSETS	YTD Actual
Cash and Cash Equivalents	\$7,462,977.96
Equity Reserve Investments	\$0
Trade & Other Receivables	\$4,405,222
Inventories	\$2,044
TOTAL CURRENT ASSETS	\$11,870,243
NON CURRENT ASSETS	
Property Plant & Equipment	\$21,421,147
Land Held for Resale	\$272,539
Infrastructure	\$46,293,583
TOTAL NON CURRENT ASSETS	\$67,987,269
TOTAL ASSETS	\$79,857,513
CURRENT LIABILITIES	
Trade & Other Payables	\$267,004
Employee Provisions	\$289,830
Borrowings	\$271,196
Trusts	\$199,365
TOTAL CURRENT LIABILITIES	\$1,027,395
NON CURRENT LIABILITIES	
Trade & Other Payables - Specific	\$300,000
Borrowings	\$2,504,479
Employee Provisions	\$42,083
TOTAL NON CURRENT LIABILITIES	\$2,846,562
TOTAL LIABILITIES	\$3,873,957
EQUITY	
Retained Earnings	\$34,387,871
Reserves Cash Backed	\$1,308,978
Revaluation Reserve	\$40,286,707
TOTAL EQUITY	\$75,983,556
TOTAL LIABILITIES & EQUITY	\$79,857,513

SHIRE OF BODDINGTON

Printed : at 11:18 AM on 10/08/2016

SHIRE OF BODDINGTON
CAPITAL EXPENDITURE BY ASSET CLASS
 For the period ended

COA	Description	Asset Type	Original Budget	Current Budget	YTD Budget	YTD Actual
31-Jul-16						
3042202	EXISTING BUILDINGS 16/17	Land & Buildings	104,641	104,641	8,720	-
3113200	RECREATION CENTRE	Land & Buildings	-	-	-	9,143
3135202	LAND PURCHASE	Land & Buildings	300,000	300,000	-	-
3132008	VISITOR CENTRE	Land & Buildings	-	-	-	690
		Land & Buildings Total	404,641	404,641	8,720	9,833
3102201	NEW REFUSE SITE	Other Infrastructure	31,000	31,000	2,583	2,331
3105050	OVALS PARKS & CEMETERIES	Other Infrastructure	83,713	83,713	6,976	457
3053025	INFRASTRUCTURE OTHER	Other Infrastructure	41,856	41,856	3,488	-
		Other Infrastructure Total	156,569	156,569	13,047	2,788
3042209	COMPUTER EQUIPMENT	Plant & Equip	62,785	62,785	20,719	897
3042208	OFFICE EQUIPMENT	Plant & Equip	20,928	20,928	6,906	-
3123466	PNEUMATIC TYRED ROLLER	Plant & Equip	162,237	162,237	-	-
3127025	WATER TANKS - PLANT & EQUIPMENT	Plant & Equip	7,773	7,773	-	-
3121066	TORO RIDE ON MOWER	Plant & Equip	28,621	28,621	-	-
3139302	MINOR CAPITAL ITEMS	Plant & Equip	40,000	40,000	3,333	-
		Plant & Equip Total	322,344	322,344	30,958	897
3121086	Main Roads Bridge Program	Roads Infrastructure	42,500	42,500	-	-
3121090	ROADS TO RECOVERY	Roads Infrastructure	302,582	302,582	25,215	78,288
3121705	MAIN STREET UPGRADE	Roads Infrastructure	132,563	132,563	-	-
3121700	COMMODITY GRANT CAPITAL EXPENSE	Roads Infrastructure	55,550	55,550	4,629	-
3121800	ROAD CONST. - RRG	Roads Infrastructure	454,500	454,500	-	1,641
3121803	FOOTPATHS	Roads Infrastructure	41,856	41,856	-	-
		Roads Infrastructure Total	1,029,551	1,029,551	29,844	79,929
		Grand Total	1,913,105	1,913,105	82,569	93,447

SHIRE OF BODDINGTON
GRAPHICAL DISCLOSURE OF FINANCIAL PERFORMANCE
For the period ended

31-Jul-16



8.2.2 List of Payments

Disclosure of Interest: Nil
Date: 4 August 2016
Author: Cath Williams
Attachments: 8.2.2A List of Payments

Summary

The Local Government (Financial Management) Regulations 1996 require the preparation of a List of Payments made from the Council's bank accounts.

Background

A list of the payments made in each month is to be prepared and presented to a meeting of Council in the following month.

This list of payments is to be reviewed by Council separately from the monthly financial statements. This will ensure that the requirement of the Financial Regulations for the list of payments made in one month to be presented to the Council meeting in the following month, will be met even if the financial statements are not presented to that meeting.

Councillors have the opportunity to query or inspect invoices before the meeting to satisfy themselves before the item comes before Council.

Comment

The List of Payments for the month of July is presented in Attachment 8.2.2A.

Statutory Environment

Local Government (Financial Management) Regulations 1996

13. Payments from municipal fund or trust fund by CEO, CEO's duties as to etc.

- (1) If the local government has delegated to the CEO the exercise of its power to make payments from the municipal fund or the trust fund, a list of accounts paid by the CEO is to be prepared each month showing for each account paid since the last such list was prepared —
 - (a) the payee's name; and
 - (b) the amount of the payment; and
 - (c) the date of the payment; and
 - (d) sufficient information to identify the transaction.
- (2) A list of accounts for approval to be paid is to be prepared each month showing —
 - (a) for each account which requires council authorisation in that month —
 - (i) the payee's name; and
 - (ii) the amount of the payment; and
 - (iii) sufficient information to identify the transaction; and
 - (b) the date of the meeting of the council to which the list is to be presented.
- (3) A list prepared under subregulation (1) or (2) is to be —
 - (a) presented to the council at the next ordinary meeting of the council after the list is prepared; and
 - (b) recorded in the minutes of that meeting.

Policy Implications - Nil

OFFICER'S RECOMMENDATION – 8.2.2

COUNCIL RESOLUTION

62/16

Moved Cr Hoek

That Council adopts the list of payments for the period ending 31 July 2016 at Attachment 8.2.2A.

Seconded

Cr Crilly

Carried

6/0

LIST OF PAYMENTS JULY 2016				
CHQ/EFT	DATE	NAME	DESCRIPTION	AMOUNT
1124	13/07/2016	SHIRE OF BODDINGTON	BRB LEVY JUNE 2016	30.00
1125	13/07/2016	BUILDERS REGISTRATION BOARD OF WA	BRB LEVY JUNE 2016	339.90
1126	25/07/2016	FULTON HOGAN SERVICES	REFUND BOND FOR STANDPIPE SWIPECARD	110.00
1127	25/07/2016	GILLIAN PATTERSON	REFUND BOND FOR CAT TRAP	110.00
			TOTAL TRUST	589.90
EFT16365	04/07/2016	WIDE SPAN SHEDS (QLD)	FINAL PAYMENT - QUINDANNING CEMETERY CARPORT	2,665.00
EFT16366	04/07/2016	OZTECH SECURITY	24HR SECURITY MONITORING - MEDICAL CENTRE	178.00
EFT16367	04/07/2016	AUSTRALIAN TAXATION OFFICE	BAS JUNE 2016	6,727.00
EFT16368	04/07/2016	ROSS MATSEN	ANNUAL LEASE - TV TOWER LAND	1,650.00
EFT16369	18/07/2016	BODDINGTON HARDWARE	WORKS & SERVICES SUPPLIES FOR JULY 2016	898.41
EFT16370	20/07/2016	BODDINGTON MEDICAL CENTRE	STAFF PRE-EMPLOYMENT MEDICALS & FLUVAX	884.00
EFT16371	20/07/2016	AUSTRALIA POST ACCOUNTS RECEIVABLE	MONTHLY POSTAGE CHARGES ON ACCOUNT	287.70
EFT16372	20/07/2016	OFFICEWORKS BUSINESS DIRECT	PAPER SHREDDER & STATIONERY	1,012.52
EFT16373	20/07/2016	ADVANTAGE PEST CONTROL	TERMITE REPORT - BRIDGES	2,178.00
EFT16374	20/07/2016	PAUL WATSON PATRICK	VARIOUS SHIRE PLANT & EQUIPMENT REPAIRS	1,348.00
EFT16375	20/07/2016	BODDINGTON IGA - SHIRE ACCOUNT	MONTHLY ACCOUNT - SHIRE	323.26
EFT16376	20/07/2016	BODDINGTON IGA - BBFB ACCOUNT	REFRESHMENTS - BBFB ACCOUNT	40.14
EFT16377	20/07/2016	DRUM PRINT & PUBLICATIONS	STATIONERY PRINTING	842.60
EFT16378	20/07/2016	PACIFIC BRANDS WORKWEAR	STAFF UNIFORMS	423.50
EFT16379	20/07/2016	JOHN CHAPMAN	VAST BOX REPAIRS - 3 PECAN PL	150.00
EFT16380	20/07/2016	ARCHIVEWISE	JUNE ARCHIVE STORAGE FEES	147.92
EFT16381	20/07/2016	ALLEASING PTY LTD	QUARTERLY LEASE PAYMENTS - SERVERS & ASSOC EQUIPMENT	6,863.61
EFT16382	20/07/2016	BODDINGTON IGA - ELC ACCOUNT	MONTHLY ACCOUNT - ELC	276.64
EFT16383	20/07/2016	BODDINGTON MINI SKIPS	STREET BIN RUBBISH COLLECTION SERVICE	3,828.96

LIST OF PAYMENTS JULY 2016				
CHQ/EFT	DATE	NAME	DESCRIPTION	AMOUNT
EFT16384	20/07/2016	WATERLOGIC AUSTRALIA PTY LTD	LEASE UNDERBENCH WATER SERVICE ADMIN/CHAMBERS	352.00
EFT16385	20/07/2016	SIMON'S MARKET CAFE	VARIOUS GROCERIES - ELC	79.81
EFT16386	20/07/2016	REVOLUTION LEARNING	EYLF WORKSHOP - CULTURAL COMPETENCE (ELC - GRANT FUNDED)	770.00
EFT16387	20/07/2016	ASPHALT IN A BAG	ASPHALT BAGS 20KG X 50	1,718.75
EFT16388	20/07/2016	ROADS 2000	ASPHALT RUT CORRECTION - LOWER HOTHAM ROAD	86,116.80
EFT16389	20/07/2016	FEGAN BUILDING SURVEYING	CERTIFICATE OF DESIGN COMPLIANCE - QUINDANNING CEMETERY CARPORT	434.50
EFT16390	20/07/2016	SMART SECURITY	MEDI ALARM MONITORING	286.00
EFT16391	20/07/2016	PRO-MET EXPRESS	FREIGHT LIBRARY	64.35
EFT16392	20/07/2016	GREG DAY MOTORS	JUNE FUEL ALL SHIRE VEHICLES/PLANT	7,397.03
EFT16393	20/07/2016	BODDINGTON STORE	MONTHLY STATIONERY ACCOUNT	430.05
EFT16395	28/07/2016	BODDINGTON FAMILY SUPPORT GROUP INC	LOAF FUNDING	716.00
EFT16396	28/07/2016	OFFICEWORKS BUSINESS DIRECT	OFFICE EQUIPMENT & STATIONERY	415.48
EFT16397	28/07/2016	BODDINGTON TYRE SERVICE	TYRE REPAIR - BT08	35.00
EFT16398	28/07/2016	LGIS INSURANCE BROKING	ANNUAL INSURANCE POLICY RENEWALS	41,133.28
EFT16399	28/07/2016	PEEL TRAILS GROUP INC	ANNUAL MEMBERSHIP FEE	100.00
EFT16400	28/07/2016	ABCO PRODUCTS PTY LTD	COMMERCIAL CLEANING SUPPLIES	243.10
EFT16401	28/07/2016	EDGE PLANNING & PROPERTY	TOWN PLANNING SERVICES FEE 29.25HRS 26/06/2016 TO 23/07/2016	3,700.12
EFT16402	28/07/2016	PORTER CONSULTING ENGINEERS	RANFORD WATER MAIN EXTENSION	8,250.00
EFT16403	28/07/2016	ALINTA SALES	ELECTRICITY CHARGES - POOL & CARAVAN PARK	1,697.58
EFT16404	28/07/2016	DRUM PRINT & PUBLICATIONS	STATIONERY PRINTING	1,073.60
EFT16405	28/07/2016	LGISWA	ANNUAL INSURANCE POLICY RENEWALS	88,040.24
EFT16406	28/07/2016	STAFF REIMBURSEMENTS	POWER & INTERNET AS PER CONTRACT	391.97
EFT16407	28/07/2016	TOURISM MARKETING & PROMOTIONS	BROCHURE STORAGE & DISTRIBUTION	203.70

LIST OF PAYMENTS JULY 2016				
CHQ/EFT	DATE	NAME	DESCRIPTION	AMOUNT
EFT16408	28/07/2016	COALCLIFF PLANT HIRE & CIVIL CONTRACTING	ROLLER HIRE - REFUSE SITE	808.50
EFT16409	28/07/2016	STAFF REIMBURSEMENTS	COUNCIL SUSTENANCE	11.30
EFT16410	28/07/2016	AMPAC DEBT RECOVERY (WA) PTY LTD	DEBT COLLECTION FEES	11,000.54
EFT16411	28/07/2016	SAMREID MANEZ	RATES PACKAGING ASSISTANCE	125.00
EFT16412	28/07/2016	AMD CHARTERED ACCOUNTANTS	ACQUITTAL AUDIT - ECONOMIC DEVELOPMENT	1,870.00
EFT16413	28/07/2016	AUSTRALIAN CHILDCARE ALLIANCE WA	ANNUAL MEMBERSHIP - AUSTRALIAN CHILDCARE ALLIANCE WA	395.00
EFT16414	28/07/2016	JOHN ROBERT ALLERT	MONTHLY RENT - 26A HOTHAM AVE	1,083.33
EFT16415	28/07/2016	AUSTRALASIAN SOLICITORS PTY LTD	PREPARATION - EASEMENT IN GROSS (RECOVERABLE FROM CLIENT)	1,173.80
EFT16416	28/07/2016	PETER COTTEE BUILDING DESIGNS	ENERGY EFFICIENCY REPORT - 12 BANNISTER RD	759.00
EFT16417	28/07/2016	AVON WASTE	RUBBISH BIN COLLECTION SERVICE	5,592.68
EFT16418	28/07/2016	BODDINGTON SERVICE STATION	VEHICLE REPAIRS & SERVICING	866.80
EFT16419	28/07/2016	IT VISION	DATA CONVERSION SERVICES - ASSET RECORDS	4,998.13
EFT16420	28/07/2016	WALGA	WALGA SUBSCRIPTIONS 2016/17	22,151.12
EFT16421	28/07/2016	SHIRE OF WANDERING	ADVERTISING - RURAL LIVING EXPO	70.00
EFT16422	28/07/2016	SHIRE OF MURRAY	CONTRIBUTION - PEEL ZONE EXECUTIVE OFFICER	96.23
EFT16423	28/07/2016	BODDINGTON COMMUNITY RESOURCE CENTRE	SHARED SERVICES - ELECTRICITY	1,068.55
17542	04/07/2016	ORIGIN ENERGY RETAIL LIMITED	ANNUAL CYLINDER FEE - MEDICAL CENTRE	67.00
17543	04/07/2016	SHIRE OF BODDINGTON	BUILDING SERVICES LEVY - QUINDANNING CEMETERY CARPORT	61.65
17544	28/07/2016	SHIRE OF BODDINGTON	SHIRE PROPERTY RATES 2016/17	29,119.79
DD9116.1	01/07/2016	TELSTRA	MOBILE PHONE CHARGES - SES	116.13
DD9116.2	01/07/2016	WESTNET	INTERNET CHARGES - MEDICAL CENTRE	39.95
DD9121.1	03/07/2016	WA LOCAL GOVERNMENT SUPERANNUATION PLAN	Superannuation contributions - PAY PERIOD 03/07/2016	11,111.98
DD9121.2	03/07/2016	WILLIAM KELVIN WALDOCK	Superannuation contributions - PAY PERIOD 03/07/2016	863.35

LIST OF PAYMENTS JULY 2016				
CHQ/EFT	DATE	NAME	DESCRIPTION	AMOUNT
DD9121.3	03/07/2016	REST SUPERANNUATION FUND	Superannuation contributions - PAY PERIOD 03/07/2016	277.41
DD9121.4	03/07/2016	AMP RETIREMENT SAVINGS ACCOUNT	Superannuation contributions - PAY PERIOD 03/07/2016	126.58
DD9121.5	03/07/2016	AUSTRALIAN SUPER (WESTSCHEME)	Superannuation contributions - PAY PERIOD 03/07/2016	939.83
DD9121.6	03/07/2016	PRIME SUPER PTY LTD	Superannuation contributions - PAY PERIOD 03/07/2016	192.53
DD9121.7	03/07/2016	MLC MASTERKEY SUPER FUNDAMENTALS	Superannuation contributions - PAY PERIOD 03/07/2016	208.25
DD9121.8	03/07/2016	POLARIS HEIGHTS PTY LTD AFT INDIA BLUE SUPERANNUATION FUND	Superannuation contributions - PAY PERIOD 03/07/2016	105.49
DD9121.9	03/07/2016	BT SUPER FOR LIFE	Superannuation contributions - PAY PERIOD 03/07/2016	98.10
DD9125.1	04/07/2016	WESTNET	INTERNET CHARGES - POOL & SHIRE	169.90
DD9125.2	07/07/2016	SYNERGY	ELECTRICITY CHARGES - SHIRE PROPERTIES	1,930.80
DD9125.3	07/07/2016	TELSTRA	MOBILE PHONE CHARGES - PERSONNEL	569.33
DD9125.4	04/07/2016	PRINTSYNC BUSINESS SOLUTIONS	COPIER CHARGES	749.06
DD9125.5	05/07/2016	MOTORPLAN PTY LTD	MONTHLY VEHICLE LEASE 1EXP571	1,885.66
DD9128.1	15/07/2016	CANON FINANCE	KYOCERA TA3501i MONTHLY LEASE	157.30
DD9132.1	18/07/2016	WA TREASURY	LOAN NO. 83 PRINCIPAL & INTEREST PAYMENT - DOCTORS RESIDENCE	6,758.45
DD9134.1	18/07/2016	TELSTRA	PHONE CHARGES - SES LANDLINES	235.93
DD9137.1	17/07/2016	WA LOCAL GOVERNMENT SUPERANNUATION PLAN	Superannuation contributions - PAY PERIOD 17/07/2016	11,380.71
DD9137.2	17/07/2016	WILLIAM KELVIN WALDOCK	Superannuation contributions - PAY PERIOD 17/07/2016	865.18
DD9137.3	17/07/2016	REST SUPERANNUATION FUND	Superannuation contributions - PAY PERIOD 17/07/2016	258.34
DD9137.4	17/07/2016	AMP RETIREMENT SAVINGS ACCOUNT	Superannuation contributions - PAY PERIOD 17/07/2016	128.14
DD9137.5	17/07/2016	AUSTRALIAN SUPER (WESTSCHEME)	Superannuation contributions - PAY PERIOD 17/07/2016	1,070.20
DD9137.6	17/07/2016	PRIME SUPER PTY LTD	Superannuation contributions - PAY PERIOD 17/07/2016	194.99
DD9137.7	17/07/2016	MLC MASTERKEY SUPER FUNDAMENTALS	Superannuation contributions - PAY PERIOD 17/07/2016	215.21

LIST OF PAYMENTS JULY 2016				
CHQ/EFT	DATE	NAME	DESCRIPTION	AMOUNT
DD9137.8	17/07/2016	POLARIS HEIGHTS PTY LTD AFT INDIA BLUE SUPERANNUATION FUND	Superannuation contributions - PAY PERIOD 17/07/2016	108.12
DD9137.9	17/07/2016	BT SUPER FOR LIFE	Superannuation contributions - PAY PERIOD 17/07/2016	120.94
DD9141.1	20/07/2016	WA TREASURY	Loan No. 103 Principal & Interest payment - Recreation Centre	26,463.78
DD9143.1	21/07/2016	BOC GASES - BOC ACCOUNT PROCESSING	MONTHLY GAS CONTAINER FEES	23.06
DD9143.2	20/07/2016	SYNERGY	ELECTRICITY CHARGES - SHIRE PROPERTIES	4,222.20
DD9143.3	21/07/2016	SYNERGY	ELECTRICITY CHARGES - SHIRE PROPERTIES	3,867.20
DD9143.4	22/07/2016	SYNERGY	ELECTRICITY CHARGES - SHIRE PROPERTIES	39.65
DD9143.5	21/07/2016	TELSTRA	PHONE CHARGES - SHIRE PROPERTIES	39.83
DD9146.1	25/07/2016	SYNERGY	ELECTRICITY CHARGES - STREET LIGHTS	3,183.70
DD9146.2	25/07/2016	TELSTRA	PHONE CHARGES - SHIRE PROPERTIES	1,721.24
DD9146.3	25/07/2016	WA TREASURY	LOAN GUARANTEE FEES FOR JAN - JUNE 2016	9,820.38
DD9150.1	27/07/2016	SYNERGY	ELECTRICITY CHARGES - MARRADONG FIRE SHED	93.00
DD9150.2	27/07/2016	TELSTRA	PHONE & INTERNET CHARGES - SHIRE PROPERTIES	115.86
DD9152.1	28/07/2016	SYNERGY	ELECTRICITY CHARGES - CENTRAL PARK	14.45
DD9154.1	29/07/2016	WATER CORPORATION	WATER CHARGES - SHIRE PROPERTIES	3,490.27
DD9154.2	29/07/2016	TELSTRA	STREET WI-FI	135.00
DD9154.3	29/07/2016	SYNERGY	ELECTRICITY CHARGES - OLD DEPOT	61.10
DD9159.1	31/07/2016	WA LOCAL GOVERNMENT SUPERANNUATION PLAN	Payroll deductions - PAY PERIOD 31/07/2016	11,380.62
DD9159.2	31/07/2016	WILLIAM KELVIN WALDOCK	Superannuation contributions - PAY PERIOD 31/07/2016	865.17
DD9159.3	31/07/2016	REST SUPERANNUATION FUND	Superannuation contributions - PAY PERIOD 31/07/2016	285.51
DD9159.4	31/07/2016	AMP RETIREMENT SAVINGS ACCOUNT	Superannuation contributions - PAY PERIOD 31/07/2016	128.14
DD9159.5	31/07/2016	AUSTRALIAN SUPER (WESTSCHEME)	Superannuation contributions - PAY PERIOD 31/07/2016	1,012.03
DD9159.6	31/07/2016	PRIME SUPER PTY LTD	Superannuation contributions - PAY PERIOD 31/07/2016	194.99

LIST OF PAYMENTS JULY 2016				
CHQ/EFT	DATE	NAME	DESCRIPTION	AMOUNT
DD9159.7	31/07/2016	MLC MASTERKEY SUPER FUNDAMENTALS	Superannuation contributions - PAY PERIOD 31/07/2016	215.21
DD9159.8	31/07/2016	POLARIS HEIGHTS PTY LTD AFT INDIA BLUE SUPERANNUATION FUND	Superannuation contributions - PAY PERIOD 31/07/2016	106.78
DD9159.9	31/07/2016	BT SUPER FOR LIFE	Superannuation contributions - PAY PERIOD 31/07/2016	112.36
			TOTAL MUNICIPAL	473,267.43
			TOTAL PAYMENTS	473,857.33

8.2.3 2016 Financial Management Systems Review

File Ref. No: ADM 0731
Disclosure of Interest: Nil
Date: 8 August 2016
Author: James Rendell
Attachments: 8.2.3A 2016 Financial Management Systems Review

Summary

The Audit Committee is to consider the 2016 Financial Management Systems Review to make a recommendation to Council to adopt the 2016 Financial Management Systems Review.

Background

Council received the 2016 Financial Management Systems Review on 4 July 2016.

Comment

The 2016 Report, included at Attachment 8.2.2A did not raise any instances of non-compliance with Local Government Act 1995 (as amended), the Local Government (Financial Management) Regulations 1996 (as amended) and the Planning and Development Act 2005:

Strategic Implications - There appear no further implications in this regard.

Statutory Environment

Local Government Act 1995

7.1A. Audit committee

- (1) A local government is to establish an audit committee of 3 or more persons to exercise the powers and discharge the duties conferred on it.
- (2) The members of the audit committee of a local government are to be appointed* by the local government and at least 3 of the members, and the majority of the members, are to be council members.
* Absolute majority required.
- (3) A CEO is not to be a member of an audit committee and may not nominate a person to be a member of an audit committee or have a person to represent him or her as a member of an audit committee.
- (4) An employee is not to be a member of an audit committee.

7.1B. Delegation of some powers and duties to audit committees

- (1) Despite section 5.16, the only powers and duties that a local government may delegate* to its audit committee are any of its powers and duties under this Part other than this power of delegation.
* Absolute majority required.
- (2) A delegation to an audit committee is not subject to section 5.17.

7.1C. Decisions of audit committees

Despite section 5.20, a decision of an Audit Committee is to be made by a simple majority.

<u>Policy Implications</u> -	There appear no further implications in this regard.
<u>Financial Implications</u> -	There appear no further implications in this regard.
<u>Economic Implications</u> -	There appear no further implications in this regard.
<u>Social Implications</u> -	There appear no further implications in this regard.
<u>Environmental Considerations</u> -	There appear no further implications in this regard.

Consultation

Mr. Ray Van Tonder, Auditor, AMD Chartered Accountants.
Ms. Maria Cavallo, Partner, AMD Chartered Accountants

Options

The Committee can resolve the Officer's Recommendation or an amended resolution.

Voting Requirements - Simple Majority

OFFICER'S RECOMMENDATION – ITEM 8.2.3

COUNCIL RESOLUTION	63/16	Moved Cr Collins
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That Council adopt the:

That the Audit Committee recommends that Council:

1. accept the 2016 Financial Management Report included at Attachment 8.2.3A;
2. update on progress every 6 months on the 2016 Financial Management System

Seconded	Cr Smart	Carried	6/0
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PO Box 1306, Bunbury WA 6231

28 June 2016

Mr C Littlemore
Chief Executive Officer
Shire of Boddington
PO Box 4
BODDINGTON WA 6390

SHIRE OF
BODDINGTON
RECEIVED

04 JUL 2016

Distribute to:

☒ DCS ☐ DSP ☐ MINS
☐ PEHO ☒ FM ☒ CEO
☐ MWS ☐ TPC ☐ MCS

Dear Chris

2016 FINANCIAL MANAGEMENT SYSTEMS REVIEW

File No Adm 0731
Date _____

We are pleased to present our findings and recommendations resulting from AMD's Financial Management Systems Review ("FMSR").

1.0 APPROACH AND OBJECTIVES

The primary objective of our FMSR was to assess the adequacy and effectiveness of systems and controls in place within Shire of Boddington; in accordance with our quote letter dated 14 July 2015.

The responsibility of determining the adequacy of the procedures undertaken by us is that of the Chief Executive Officer ("CEO"). The procedures were performed solely to assist the CEO in satisfying his duty under Section 6.10 of the Local Government Act 1995 and Regulation 5(1) of the Local Government (Financial Management) Regulations 1996.

Our findings included within this report are based on the site-work completed by us during the week commencing 4 April 2016. Findings are based on information provided and available to us following our requests during this site visit.

2.0 SUMMARY OF FINDINGS

The procedures performed and our findings on each of the FMSR areas are detailed in the attached appendices as follows:

- Appendix A - Collection of money;
- Appendix B - Custody and security of money;
- Appendix C - Maintenance and security of the financial records;
- Appendix D - Accounting for municipal or trust transactions;
- Appendix E - Authorisation for incurring liabilities and making payments;
- Appendix F - Maintenance of payroll, stock control and costing records; and
- Appendix G - Preparation of budgets, budget reviews, accounts and reports required by the Act or the regulations.

Guidance as to finding classifications utilised in completing our FMSR are detailed in Appendix H.

Liability limited by a scheme approved under Professional Standards Legislation

Independent Member of

BKR
INTERNATIONAL



CHARTERED ACCOUNTANTS

In addition to the review of processes, procedures and testing completed at the Shire of Boddington office, our FMSR included a visit to the following sites:

- Caravan Park;
- Swimming Pool; and
- Depot.

During our on-site visit, management advised no cash was being collected or retained at the Depot. As a result, our testing with respect to cash collection and or retention was limited for this site.

Following the completion of our FMSR on those areas outlined within Appendix A to G, we are pleased to report that in context of Council's overall operations and size we consider operating procedures and systems in place are adequate, and have operated effectively from July 2015, to the date of our site visit, with the exception of the recommendations outlined within our report. Recommendations raised by us do not take into account materiality and are raised in accordance with Local Government best practice guidelines.

Findings reported by us are on an exceptions basis, and do not take into account the various internal controls tested during our FMSR which were determined to operate effectively.

Many of the findings raised by AMD are considered to be minor in nature, when taken in context of overall operations of the Shire.


3.0 OTHER MATTERS

Our report is solely for the purpose set forth in the first paragraph of this report and for your information and is not to be used for any other purpose or distributed to any other party.

We would like to thank Grant, James and the Shire of Boddington team for the co-operation and assistance provided to us while conducting our FMSR.

Should you have any queries in respect to this report or any other matters relating to our FMSR, please do not hesitate to contact me.

Yours Sincerely
AMD Chartered Accountants



MARIA CAVALLO CA
Partner

APPENDIX A

SHIRE OF BODDINGTON

COLLECTION OF MONEY

SCOPE

For all locations operated by Shire of Boddington including the Boddington Administration Office, Swimming Pool, Caravan Park, Depot and other internal charges as documented within the Fees and Charges Schedule, we:

- Document financial systems detailing controls, procedures and reconciliations in relation to all sources of income;
- Test collection, receipting, invoicing and posting procedures over cash receipts on a sample basis; and
- Review credit control procedures in respect to sundry debtors and rates debtors.

FINDINGS

1. POOL RECEIPTING PROCEDURES***Finding Rating: Medium***

We noted pool takings are currently not delivered daily to the Shire of Boddington offices in accordance with the stated agreement between the Pool Manager and the Shire of Boddington. Our inquiries of the Pool Manager during our site visit indicated banking had not been completed for the previous three weeks.

At the time of our visit to the pool, we noted entrants to the pool had not been recorded in a timely manner. Our inquiries indicated no listing was prepared for the day; however, it is our understanding a listing is to be prepared at the end of each day.

Furthermore, our review of pool receipt banking's identified an error which had not been detected by Shire staff independent review, resulting in an unidentified amount of pool receipts monies not being deposited with the Shire for the prior month. Further inquiries indicated independent reviews are not completed in detail ensuring collections are true and correct.

For example takings for the month of March 2016 as per the "March Pool entry and Banking Statistics" sheet totalled \$770; however, only \$332 was deposited with this error not being identified by the independent review currently in place.

In addition, we noted the agreement with the Pool Manager will expire in April 2016 (this month).

Implication

Risk of error or omission, resulting in loss, not being detected by current internal controls and independent checks in place.

APPENDIX A

SHIRE OF BODDINGTON

COLLECTION OF MONEY

Recommendation

We recommend pool takings are delivered daily to the Shire of Boddington offices in accordance with stated agreement between the Pool Manager and the Shire of Boddington. We also recommend the agreement with the Pool Manager be reviewed and amended if required. The agreement should be signed by both parties as evidence of the contractual obligations being understood.

In addition, we recommend entrants be recorded as they enter the pool and pool entrant listings be maintained and provided to the Shire daily when pool takings are delivered. We also recommend the independent review is completed in detail, checking to source documentation to ensure correct amount of pool receipt funds is being deposited.

Management Comment

Management will:-

- ensure that the front counter staff check all source documents upon receipting; and
- the pool takings are banked weekly with both signed off by pool manager and receipting officer.

2. CSO PROCEDURES MANUAL***Finding Rating: Medium***

We noted the Shire of Boddington CSO Procedures Manual detailing procedures for receipting, including receipting at the Caravan Park and pool, does not reflect the current systems implemented and procedures followed by the Shire of Boddington.

For example the CSO procedure relating to swimming pool receipts states takings are to be delivered to the Shire office on a daily basis in separate bags with a receipt indicating what day the takings relate to and the amount of the takings being deposited. We noted swimming pool takings are not being delivered to the Shire office on a daily basis.

Implication

Risk of non-compliance with stated procedures and/or compliance with out of date procedures resulting in error or omission.

Recommendation

We recommend Shire of Boddington CSO Procedures Manual detailing procedures for receipting, including receipting at the caravan park and pool, be updated to reflect current systems implemented and procedures followed by the Shire of Boddington.

In addition, we recommend these correctly documented procedures be followed by the Shire of Boddington.

Management Comment

Management agrees with the recommendation. Currently we have been focussing on higher priority issues, but will establish current procedures in all aspects within the Finance section over the 2016/17 financial year.

APPENDIX A

SHIRE OF BODDINGTON

COLLECTION OF MONEY

3. CARAVAN PARK RECEIPTS

Finding Rating: Low

We noted no formal listing is held of bonds received at the caravan park and no reconciliation is currently being completed on a regular basis.

In addition, our inquiries indicated the caravan park float is currently \$200; however, the Policy Manual (as updated and adopted at the 15 December 2015 Ordinary Council Meeting) indicates the caravan park float should be \$100.

Implication

Lack of appropriate internal controls over caravan park bonds.

Recommendation

We recommend a formal listing is maintained of bonds received at the caravan park and reconciliations are completed on a regular basis. It may be practical for this process to be managed through the new RMS system where the customer is not checked out unless the key is returned and/or bond surrendered.

In addition, we recommend the Policy Manual be updated to reflect the current float maintained at the caravan park.

Management Comment

Management agrees with the recommendation but note that the historic data will need to be investigated to identify whether caravan park bonds are being held. We will explore the possibility that this can be catered for in the newly implemented RMS system.

APPENDIX B

SHIRE OF BODDINGTON

CUSTODY AND SECURITY OF MONEY

SCOPE

- Site visits to cash collection points to review the controls and procedures over the collection, receipting, recording and banking of cash collected offsite; and
- Review the security of cash and banking procedures to ensure the appropriate controls and procedures are in place.

FINDINGS

1. POOL RECEIPTS

Finding Rating: Low

Our inquiries indicated pool collections are taken home daily by the Pool Manager and cash collections had not been delivered to the Shire of Boddington office for several weeks.

In addition, we noted at the time of our site visit the cash float for the pool was not made available. Our inquiries indicated the pool entry takings and cash float is not maintained separately from the cafeteria takings.

Implication

Lack of appropriate internal controls over security of pool cash collections.

Recommendation

We recommend pool collections are delivered daily or regularly at another predetermined interval to the Shire of Boddington offices together with supporting documentation.

In addition, we recommend the cash float for the pool be kept in a separate tin and be available at the pool during operating hours.

Management Comment

As indicated in FMSR Appendix A, Finding 1, Management will put in place various measures in respect of cash takings including the pool. We accept that the takings should be banked weekly. We also accept that the pool cash float be established and along with pool takings be kept separate from the cafeteria operations.

APPENDIX C

SHIRE OF BODDINGTON

MAINTENANCE AND SECURITY OF THE FINANCIAL RECORDS

SCOPE

- Detailed review of information technology systems to assess physical security, access security, data backups, contingency plans, compliance and systems development; and
- Review of registers maintained (including key register, tender register etc.) and review of Council minutes.

Please note, our inquiries indicated no major IT projects have been completed at the time of our site visit therefore, our assessment to IT projects undertaken by Shire of Boddington from the planning to contractor selection to inception phase, was limited.

FINDINGS

1. MASTERFILE ACCURACY AND VALIDITY

Finding Rating: High

We noted Shire of Boddington does not conduct an independent review of all changes and adjustments made to master files, including changes to payroll, inventory, fixed assets, revenue and expenditure. In particular there is no review for timeliness of changes made, errors, or any unauthorised changes.

Implication

There is an increased risk that:

1. Required changes to the master-files are untimely;
2. Erroneous changes made to master-files have a low chance of being detected in a timely manner; and
3. Suspicious / fraudulent changes made to master-files have a low chance of being detected in a timely manner.

Recommendation

We recommend an independent review of all changes made to mater files be conducted periodically. The review should involve:

- A download of all changes (new / old / modify) made to each master-file;
- A representative sample then be tested and traced to originating / supporting documentation to assure validity and timeliness; and
- A review for suspicious master-file changes (e.g. changes to bank details, unusual variations to pay-rates and amendments to existing supplier bank account details) should be performed.

Management Comment

Management agrees with the findings and the DCCS and CEO will investigate any such reports in the Synergysoft system. If there is an easily understood and accessible report we will run and review on a monthly basis.

APPENDIX C

SHIRE OF BODDINGTON

MAINTENANCE AND SECURITY OF THE FINANCIAL RECORDS

2. PERSONALLY OWNED DEVICES***Finding Rating: Medium***

Our inquiries indicate the Shire of Boddington does not have documented policies or procedures in respect to personally owned devices increasing infiltration exposure risk of Shire systems.

Implication

Risk that existing procedures and practices in respect to personally owned devices are not formally documented.

Recommendation

In accordance with the Department of Local Government IT Framework (best practice guidelines), we recommend policies and procedures outlining the terms and conditions in respect to the use of personally owned devices be documented, approved, implemented and monitored on an ongoing basis.

Management Comment

Management will review current access for all staff and put in place appropriate procedures if warranted.

3. IT STRATEGIC PLAN***Finding Rating: Medium***

Our inquiries indicated Shire of Boddington has not developed or implemented an IT Strategic Plan or formal IT action plan to identify current and future department IT needs.

Implication

Risk of strategic objectives not being identified to meet Council's current IT and communication requirements.

Recommendation

We recommend an IT Strategic Plan, including an IT action plan, be developed and implemented to identify and manage current and future department IT needs. This plan should be linked to expenditure projected within current budgets and the Long Term Financial Plan.

Management Comment

The IT long term Strategic Plan is underway and included in brief form within the Shire of Boddington Long Term Financial Plan (LTFP), initial discussions have been held with the Shire's IT consultants, these will become more formal once the LTFP and 2016/17 budget has been approved by Council.

APPENDIX C

SHIRE OF BODDINGTON

MAINTENANCE AND SECURITY OF THE FINANCIAL RECORDS

4. KEY POLICY AND MASTER KEY REGISTER

Finding Rating: Medium

We noted there is currently no documented policy or work place procedure in respect to the use of keys held by staff members.

In addition, we noted there is no formal documented register maintained indicating which staff members have been allocated master keys.

Implication

Lack of documentation and communication in respect to access to Shire property and risk of unauthorised access to Shire property.

Recommendation

We recommend a policy be designed, implemented and communicated to staff who have access to Shire property. The policy should address which staff may have access to Shire buildings, in what circumstances these keys may be used and the action to be taken in the event that the keys are lost.

We also recommend a register of employees who hold master keys and other keys to Shire property (including vehicles and machinery) be maintained. The register should include the individuals who have a key allocated to them, their position, the date the key was allocated, the key number and contact details of each staff member.

Management Comment

Management agrees with the recommendation and will implement this calendar year.

APPENDIX C

SHIRE OF BODDINGTON

MAINTENANCE AND SECURITY OF THE FINANCIAL RECORDS

5. IT PERFORMANCE REVIEWS

Finding Rating: Medium

We noted there is no formal signed agreement with the current external IT service providers.

Our inquiries also indicated no formal performance reviews are conducted against external IT service level agreements.

Implication

Risk of inadequate services being provided by external IT services engaged.

Recommendation

We recommend a formal signed agreement outlining the services to be provided and costings be entered into with the current external IT service providers.

We also recommend formal performance reviews are conducted against external IT service level agreements on a pre-determined basis to ensure services provided are as agreed upon within the IT service level agreements.

Management Comment

Management considers that this recommendation is not practical as we do not have the resources or staff capabilities to effectively and objectively undertake an IT performance review.

6. BODDINGTON DEPOT KEY SECURITY

Finding Rating: Low

We noted no key register is maintained at the Boddington Depot to record key allocation in's and out's (i.e. date of vehicle use, employee name, vehicle registration, date key returned and signature).

Implication

Increased risk of theft and vehicle misuse.

Recommendation

We recommend a key register be maintained to record key allocation in's and out's.

Management Comment

Management consider that this is not warranted.

APPENDIX D

SHIRE OF BODDINGTON

ACCOUNTING FOR MUNICIPAL OR TRUST TRANSACTIONS

SCOPE

- Review the procedures for preparation of monthly accounts and general ledger account reconciliations;
- Review policies and procedures in respect to insurance, recording claims and insuring newly acquired assets; and
- Review processes in respect to BAS, FBT Return and other statutory returns preparation.

FINDINGS

1. STATUTORY SUPERANNUATION GUARANTEE CONTRIBUTIONS

Finding Rating: Medium

We noted statutory superannuation guarantee contributions for the months of December 2015 and January 2016 had not been paid at the time of our site visit.

Discussions with management indicated the statutory superannuation guarantee contributions for these two months had been processed; however, Click Super did not withdraw the funds from Council's municipal bank account.

We understand this was as a result of the final step in the processing phase not being completed correctly.

Implication

Risk of statutory obligations not being met.

Recommendation

We recommend all steps in the processing phase are completed ensuring the statutory superannuation guarantee contributions are scheduled for payment in accordance with ATO payment deadlines.

In addition, we recommend management complete an independent review on a monthly basis to ensure payment of the statutory superannuation guarantee contributions has been processed by Click Super and withdrawn from Council's municipal bank account.

Management Comment

Resolved, there was a staffing lack of skill and the new "click" super function had some teething problems. CEO and MFS to submit payments promptly and regularly.

APPENDIX C

SHIRE OF BODDINGTON

MAINTENANCE AND SECURITY OF THE FINANCIAL RECORDS

7. CONFIDENTIALITY CLAUSES IN CONTRACTS

Finding Rating: Low

Our inquiries indicated various agreements in place with external contractors/providers do not include confidentiality clauses.

Implication

Risk of confidentiality of Shire information being breached.

Recommendation

We recommend that all agreements entered into with third parties include confidentiality clauses to ensure confidentiality of Shire records.

Management Comment

Management accepts this recommendation.

8. POLICY MANUAL

Finding Rating: Low

Our inquiries indicated the Policy Manual had been reviewed in full and passed by council on 15 December 2015; however, we noted individual policies included in the manual have not been updated to reflect the correct resolution number and resolution date.

For example policy 01.1 - Use of Shire Emblem reflects a resolution number 144/10 and a resolution date of 31 August 2010.

Implication

Lack of evidence to support review completed by Council.

Recommendation

We recommend individual policies included in the Policy Manual are updated to reflect the most recent resolution number (i.e. 129/15) and resolution date (i.e. 15 December 2015) as evidence of Council's review of the Policy Manual.

Management Comment

Policies are updated only when changes occur.

APPENDIX D

SHIRE OF BODDINGTON

ACCOUNTING FOR MUNICIPAL OR TRUST TRANSACTIONS

2. KEY ACCOUNT RECONCILIATIONS***Finding Rating: Medium***

We noted there have been no formal fixed asset register reconciliations prepared during the year (i.e. a reconciliation of the fixed asset register to the general ledger).

Discussions with management indicated the last fixed asset reconciliation was completed 30 June 2015; however, we understand management is currently reviewing the fixed asset register and will be completing a fixed asset register rebuild as part of the application of fair value accounting to plant and equipment as at 30 June 2016.

Implication

Risk of material misstatement or error.

Recommendation

We recommend that the key balance sheet accounts (i.e. including fixed assets) are regularly reconciled to the general ledger on a timely basis (i.e. monthly), being within the first week after month end.

This will ensure that any errors or imbalances are detected on a timely basis and the appropriate action taken accordingly.

It is also important that all key reconciliations are independently reviewed and signed off as evidence of this independent review.

Management Comment

Control accounts and the trial balance are reconciled monthly before providing financial reports to Council. Fixed assets once restructure of assets has been completed, will be undertaken on a quarterly basis.

APPENDIX D

SHIRE OF BODDINGTON

ACCOUNTING FOR MUNICIPAL OR TRUST TRANSACTIONS

3. REVIEW OF TRUST BALANCES***Finding Rating: Low***

Our review of the detailed trust ledger balances listing at 31 March 2016 indicate there are a number of old trust balances dating back a number of years. Our discussions with the finance officer responsible for reconciling trust accounts confirmed that no process is currently in place to follow up on and clear old trust balances.

Implication

Risk that Shire of Boddington continues to hold monies in trust which are to be refunded and risk of incorrect classification between trust and municipal funds.

Recommendation

We recommend a detailed review of the trust ledger balances listing be completed to determine if monies are required to be returned or recognised as income within the municipal account.

Management Comment

Management reconciles trust balances monthly, they are included in the control account reconciliations, additional investigative work will be required to identify old sources in respect of some trust balances. This work will be undertaken this calendar year.

4. FIXED ASSET DEPRECIATION POLICY***Finding Rating: Low***

We noted policy 09.2 – “Depreciation Rates” does not reflect Council’s current depreciation rates applied to fixed assets in accordance with Note 1 to the financial statements for the year ended 30 June 2015. For example the policy currently states buildings have an effective useful life of 40 to 50 years whilst Note 1 to the financial statements indicates buildings have a 30 to 50 years useful life.

Implication

Risk of non-compliance with stated policy.

Recommendation

We recommend policy 09.2 – “Depreciation Rates” is updated to reflect Council’s current depreciation rates applied to fixed assets in accordance with Note 1 to the financial statements for the year ended 30 June 2016.

Management Comment

Policy 09.2 will be replaced by the depreciation rates to be disclosed in the 2016/17 budget and included in the Note to the accounts for the end of financial year reports. Once Council approves both the budget and annual financial reports they are in effect approving the depreciation rates.

APPENDIX E

SHIRE OF BODDINGTON

AUTHORISATION FOR INCURRING LIABILITIES AND MAKING PAYMENTS

SCOPE

- Review of controls and procedures over the authorisation of purchase orders and making of payments, with a sample of payments tested; and
- Review of credit card processes and procedures, and testing transactions on a sample basis.

FINDINGS

1. POST TENDER / SERVICE CONTRACT REVIEW

Finding Rating: Low

We noted Shire of Boddington does not have a formal post completion performance evaluation process for contractors / suppliers.

Implication

Lack of documentation evidencing contractor performance assessment.

Recommendation

WALGA best practice guidelines recommend formal performance management assessments be conducted during and at the completion of a project / service contract to ensure contractors and suppliers are performing in accordance with state contract terms. We suggest this could be completed for projects or service contracts over a specified value or deemed to be medium to high risk.

This assessment may include key performance indicators to assist in comparing contractor / supplier performance. The process for monitoring performance and the key performance indicators used should be included in the project specification document and agreement provided to contractors and suppliers.

We also suggest it may be beneficial for a list of the post tender / service contract evaluation to be maintained for future records which can be reviewed when new tenders are being assessed and to ensure post contractor service history is maintained on file for future reference (in particular when staff turnover occurs).

Management Comment

Management acknowledges all contract and tender arrangements are evaluated on their merit along with historical performance if required. Management considers that this recommendation is not warranted at the Shire of Boddington.

APPENDIX E

SHIRE OF BODDINGTON

AUTHORISATION FOR INCURRING LIABILITIES AND MAKING PAYMENTS

2. FUEL USAGE ANALYSIS BY VEHICLE

Finding Rating: Low

Our inquiries indicated fuel usage analysis by individual motor vehicle/plant item on a per vehicle/plant item basis (i.e. consumption per 100kms or plant hour vs book consumption) is not currently prepared on a periodic and or rotational basis and subject to independent review.

Implication

Risk that misallocation or misappropriation of fuel to motor vehicle/plant item may not be identified.

Recommendation

We recommend consideration be given to analysing fuel consumption per vehicle/plant item on a periodic basis where not currently prepared, and that the analysis be subject to independent review.

Management Comment

Management consider that this is not warranted, we do apply a "smell" test and compare records if considered relevant, but we will not be writing this into a procedure or formal comparative.

APPENDIX F

SHIRE OF BODDINGTON

MAINTENANCE OF PAYROLL, STOCK CONTROL AND COSTING

SCOPE

- Site visit to the depot to review security over stocks held and allocation / costings of stocks used (including fuel and inventory stocks)
- Review of payroll controls and procedures to ensure effective controls are in place, and complete tests on a sample basis to ensure these controls were operating effectively
- Detailed analysis and testing to review the allocation of overheads and administration costs

FINDINGS

1. PLANT OPERATING COSTS, PUBLIC WORKS OVERHEAD & ADMINISTRATION OVERHEAD

Finding Rating: Medium

We noted that there was no formal methodology for allocation of plant operating costs, public works overhead and administration overhead (we understand currently a base percentage allocation is used which is not updated to reflect changes as required).

Implication

Risk that actual public works, plant cost expenditure and administration overhead is not being correctly allocated to jobs during the year.

Recommendation

We recommend that a formalised methodology for allocation of plant operating costs, public works overhead and administration overhead be developed and applied consistently throughout the year. We also recommend that allocation rates and allocations to jobs be reviewed periodically during the year, to ensure there are no major under or over allocations of PWO costs. We suggest it may be appropriate to review allocation rates three times during the year possibly in October/November, February/March, and May each year.

Management Comment

This is under review and will be included in the 2016/17 budget, based on a mathematical calculation of all relevant components.

APPENDIX F

SHIRE OF BODDINGTON

MAINTENANCE OF PAYROLL, STOCK CONTROL AND COSTING

2. PERFORMANCE REVIEW PROCESS***Finding Rating: Low***

We understand employee performance reviews were not completed for the financial year ended 30 June 2015. Our inquiries indicated performance reviews are to be scheduled during the 2016 financial year with a draft process currently being developed.

Implication

Risk that annual performance reviews are not completed in a timely manner.

Recommendation

We recommend employee performance reviews occur on an annual basis.

Management Comment

Management acknowledges this item and will undertake annual performance reviews beginning July 2016.

3. LONG SERVICE LEAVE***Finding Rating: Low***

Policy 09.3 "Long Service Leave – Employee Benefits" states "The Shire of Boddington's obligations should be 100% cash backed at all times"

We noted the 30 June 2015 long service leave provision totalled \$161,933 and annual leave provision totalled \$165,128, total provisions of \$327,061. The leave reserve at 30 June 2015 was \$268,667 with no available unrestricted cash to fully cash back employee leave provisions.

Implication

Non compliance with stated policy.

Recommendation

We recommend Policy 09.3 "Long Service Leave – Employee Benefits" is updated to reflect Council's current capabilities to cash back employee leave entitlements. While 100% of employee leave provisions being cash backed would be the ideal position, it is unlikely this will be the case, therefore perhaps it is more appropriate to set a more achievable target.

Management Comment

Management advises that this policy needs to be reviewed by Council to determine its relevance in the current financial situation and Council will determine through the budget process the level of cash backed long service leave.

APPENDIX F
SHIRE OF BODDINGTON
MAINTENANCE OF PAYROLL, STOCK CONTROL AND COSTING

4. FORMAL SUCCESSION PLAN

Finding Rating: Low

Our inquiries indicated there is currently no formal succession plan in place for staff members performing key duties and responsibilities.

Implication

Risk of significant delays and business interruption in the event a staff member is unavailable for an extended period and lack of adequate relief capabilities for when staff are on leave.

Recommendation

We recommend a formal succession plan be developed with specific focus on staff members performing key duties and responsibilities in areas where high staff turnover is experienced. We also recommend a schedule of duties cross training is developed for periods when staff are on leave.

Management Comment

Cross training and job diversification is currently being undertaken, however with the low numbers of staff and the external skills shortage management believes that no succession plan is warranted. Under the merit principle the best person for the job is relevant throughout all positional recruiting processes

5. EXCESSIVE ANNUAL LEAVE BALANCES

Finding Rating: Low

From our review of the annual leave listing, we noted employees who have accrued in excess of eight weeks annual leave at 31 March 2016.

Implication

- The cost to Council is greater if annual leave is not paid out on a regular basis due to the cumulative effect of salary increases over a period of time.
- Recreational leave enhances employee performance.

Recommendation

We recommend leave balances be managed to reduce the number of employees with excess leave due.

Management Comment

Management reviews leave balances regularly throughout the year.

APPENDIX G

SHIRE OF BODDINGTON

PREPARATION OF BUDGETS, BUDGET REVIEWS, ACCOUNTS AND REPORTS REQUIRED BY THE ACT OR THE REGULATIONS

SCOPE

- Review the procedures for preparation of the annual Financial Statements and annual Budget, including assessment of accounting policy, notes and applicable reporting requirements and efficiency of the process; and
- Review the budget review to ensure compliance with Regulation 33A of the Local Government (Financial Management) Regulations 1996 and assessment of budgetary expenditure controls in place.

FINDINGS

1. ASSET MANAGEMENT AND LONG TERM FINANCIAL PLANS

Finding Rating: High

We noted the Asset Management Strategy (Version 1 January 2014) document is currently in draft and no "Reviewer" and "Approver" sign off is evident to support the document has been reviewed and/or adopted by Council.

In addition, our inquiries indicated the document was adopted by Council; however, has not been implemented for use by the Shire. Our inquiries indicate Management places no reliance on the Asset Management Strategy (Version 1 January 2014) and therefore, the asset renewal funding ratio calculation as required by Local Government (Financial Management) Regulations was not completed for the year ended 30 June 2015 (as noted within our 30 June 2015 audit report).

We also noted the Long Term Financial Plan (2012/13 – 2021/22) is defined as a "living document" on page 4 of the plan; however, there is no indication the plan has been reviewed and/or updated since its inception. Our inquiries indicated management is currently in the process of developing a replacement 10 Year Long Term Financial Plan and Asset Management.

Implication

Risk of long term strategic objectives and asset management objectives of Council not being met. Risk of non-compliance with statutory requirements.

Recommendation

We recommend the Asset Management Strategy (Version 1 January 2014) document is reviewed and updated to reflect Council's current asset management strategy in place. The document should be utilised in the calculation of the asset renewal funding ratio to be reported in the supplementary section of the financial report as at 30 June each year. In addition, the Asset Management Strategy should be signed by the "Reviewer" and "Approver" as evidence to support the document has been reviewed and adopted by Council. We also recommend the Long Term Financial Plan (2012/13 – 2021/22) is reviewed and updated to reflect Council's current 10 year long term financial strategy in place.

Management Comment

Management acknowledges the document outlined above but will not use it in any of the asset of financial planning activities. A plan is currently underway in respect of the long term financial plan, once this has been approved we will then concentrate on the various asset management plans.

**APPENDIX G
SHIRE OF BODDINGTON
PREPARATION OF BUDGETS, BUDGET REVIEWS, ACCOUNTS AND REPORTS REQUIRED BY THE ACT OR THE
REGULATIONS**

2. FUNDING ACQUITTAL REPORTS

Finding Rating: Medium

We noted funding received for 30 June 2015 from the Department of Regional Development - Royalties for Regions for Economic Development Implementation in the Boddington District (Proj-0000-0378-1) and Ranford Water Capacity (Proj-0000-0370-1) have not been acquitted and lodged with the Department of Regional Development by 30 September 2015.

In addition we noted the 30 June 2015 Roads to Recovery acquittal audit was not completed by 31 October 2015 as required.

Implication

Risk of non-compliance with statutory requirements.

Recommendation

We recommend funding received by the Shire of Boddington is acquitted and lodged with the respective funding body in accordance with stated deadlines.

Management Comment

All funding acquittals will be undertaken to comply with the funding agreements and any other statutory compliance.

APPENDIX G

SHIRE OF BODDINGTON

 PREPARATION OF BUDGETS, BUDGET REVIEWS, ACCOUNTS AND REPORTS REQUIRED BY THE ACT OR THE REGULATIONS

3. BUDGET & FINANCIAL REPORTS PRESENTED TO COUNCIL***Finding Rating: Medium***

We noted there is currently no checklist in place for the preparation of monthly financial statements presented to Council, in particular a checklist noting general ledger subsidiary accounts have been completed prior to close off and preparation of the monthly financial statements.

At the time of our review we were also not provided with a year-end accounts timetable and/or checklist, summarising the process for preparing the final accounts at year end.

In addition, our inquiries indicated the annual budget has historically been drafted with the assistance of external consultants; however, the budget for the 2016/17 financial year will be completed by Shire staff. We noted a checklist has not been developed in order to assist with the preparation of the budget in the 2016/17 financial year.

Implication

Risk of non-compliance with statutory requirements.

Recommendation

We recommend a month end financial reporting checklist be implemented to ensure that all general ledger subsidiary accounts are reconciled prior to close off and preparation of the monthly financial statements.

In addition, we recommend that a timeline and/or checklist be developed and implemented to ensure that year-end accounts are completed in a timely manner.

We also recommend a checklist be developed and implemented in order to assist with the preparation of the budget in the 2016/17 financial year.

Management Comment

Historically budgets and annual reports were prepared with significant assistance from our former auditors "Moore Stephens" and consequently all timelines and checklists were embedded in their software. The Shire no longer requires any external assistance to complete its budget or Annual Financial Reports. These are now done entirely by internal staff and any timelines and checklists will be applied on an informal basis, suffice to say that all Financial reports including budget will comply with the relevant acts and Australian Accounting Standards.

APPENDIX H

SHIRE OF BODDINGTON

RISK ASSESSMENT

GUIDANCE AS TO RISK CLASSIFICATION

Risk is uncertainty about an outcome. It is the threat that an event, action or non-action could affect an organisation's ability to achieve its business objectives and execute its strategies successfully. Risk is an inherent component of all service activities and includes positive as well as negative impacts. As a result not pursuing an opportunity can also be risky. Risk types take many forms – business, economic, regulatory, investment, market, and social, just to name a few.

Risk management involves the identification, assessment, treatment and ongoing monitoring of the risks and controls impacting the organisation. The purpose of risk management is not to avoid or eliminate all risks. It is about making informed decisions regarding risks and having processes in place to effectively manage and respond to risks in pursuit of an organisation's objectives by maximising opportunities and minimising adverse effects.

Risk guidelines are stated within Risk Management – Principles and Guidelines Standard AS / NZS ISO 31000-2009.

Our guidance to risk classification in completing our internal audit review is as follows:

- Consequence is the severity of the impact that would result if the event were to occur.
- Likelihood is the chance that the event may occur given knowledge of Council and its environment.

Finding Rating for each audit issue was based on the following table:

Likelihood	Consequence		
	Insignificant	Significant	Highly Significant
Low	L	M	M
Medium	L	M	H
High	L	H	H

8.3 PRINCIPAL ENVIRONMENTAL HEALTH OFFICER/ BUILDING SURVEYOR:

Nil

8.4 MANAGER WORKS & SERVICES:

Nil

8.5 DIRECTOR CORPORATE & COMMUNITY SERVICES:

8.5.1	LOAF – Boddington Golf Club Incorporated ("BGCI")
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Applicant:	BGCI
File Ref. No:	ADM0007
Disclosure of Interest:	Nil
Date:	21 July 2016
Author:	Emma Knox – Community Services
Attachments:	Nil

Summary

The Boddington Golf Club Incorporated (Applicant) are seeking funds for the recent purchase of fertilizer and plant and labour costs associated with its application to the Boddington golf course as part of their maintenance strategy.

Applicant members agreed to purchase, bag, transport and apply the fertiliser to the 18 fairway course using a fertiliser drill. The total project cost amounted to \$2,980 which consisted of fertilizer costs, plant hire and in kind labour supplied by the Applicant.

Background

The Applicant is a strong sporting group within the community. The club is operated entirely by its members who identified that optimal ground conditions are best obtained by encouraging a healthy growth of fairway grass. Therefore, a routine application of superphosphate is essential to ensure the course is fit for purpose to maintain current memberships, attract new local members and showcase Boddington for regional golfing events.

The Applicant recently hosted the Great Southern Golf Association's Men's Four Ball Better Ball event which attracted 60 men from 14 affiliated golf clubs in the Great Southern region. The event was a good platform in which to showcase Boddington. Applicant members and local community members also utilise the course for both golf and other recreational purposes.

Comment

If successful, the Shire of Boddington will be recognised by the Applicant acknowledgement in the Bodd News and in the 2017 Golf Fixtures. The Applicant is requesting council funding to the total amount of \$940 (*refer to Table 1 – Project costs for*

a breakdown of costs associated with the project). The Applicant has not secured funding from any other source in relation to the purchase and application of the fertilizer.

Table 1 Project Costs

Item	Amount	Breakdown of Costs
Fertiliser	\$1,120	Purchase of materials from Whitfords Fertilizer
Labour	\$800	4 men x 8 hrs each = 32 hrs in total @\$25 p/h
Plant Hire – Tractor	\$450	Plant hire – 9 hrs @\$50 p/h
Diesel Costs	\$85	Fuel for plant and vehicles
Plant Costs – personal 4WD	\$300	2 vehicles provided by members @ \$150 p/h
Plant Hire – Fertilizer drill	\$225	Plant hire – 9 hrs @ \$25 p/h
Total	\$2,980	

SELECTION CRITERIA

Criteria Met	1. Strongly supports the strategic and community development plan for the Shire <ul style="list-style-type: none"> • Support community initiated and owned projects • Support community events and activities • Develop new recreation and leisure opportunities • Work in partnership with community groups
Criteria Met	2. Meets one third of total funds basis as LOAF will supply up to one third of the project, with community groups/organisations supplying at least a third of the cash required and the other third to be made of cash or in-kind donation.
Criteria Met	3. Is a new initiative or innovative idea for one-off establishment grants or the purchase of new minor equipment to support an existing service; and the project will enhance the provision of new or enhanced local facilities.
Criteria Met	4. Sustainable project and sustainable benefits for the community.
Criteria Met	5. Originates from an organisation that has not received previous funding through the LOAF program.
Not applicable	6. Previous funding has been satisfactorily acquitted.
Criteria Met	7. Project meets general grant conditions and those specific to their funding program.
Criteria Met	8. Relevant grant application form has been satisfactorily completed.

PROJECT RATING The selection criteria is the basis for the project rating and would be assessed as follows:

High Recommendation	Meets a minimum of 7 of the 8 selection criteria	100% of funds requested are allocated
Medium/High Recommendation	Meets a minimum of 6 of the 8 selection criteria	75% of funds requested are allocated
Medium Recommendation	Meets a minimum of 5 of the 8 selection criteria	50% of funds requested are allocated
Not Recommended	Meets a minimum of 4 of the 8 selection criteria	0% of funds requested are allocated

Strategic Implications

The Shire's Strategic Plan highlights the importance of building an inclusive and supportive community. The Shire approving the LOAF Application would assist in the Applicant being able to sustain their ground optimisation strategy.

Statutory Environment

The use of superphosphate on golf courses is aligned with best management practice guidelines for turf grass areas in Western Australia as published by Department of Parks and Wildlife.

Policy Implications

Policy 9.8 – Local Organisation Assistance Fund ("LOAF") provides funds to projects conducted by local organisations in the proportion of one third council contribution and two thirds Applicant contribution, up to a maximum of \$1,500 contributed by Council.

Financial Implications

100% of funding can be sourced from the LOAF program, Applicant contributions and supplier donation.

Economic Implications - Nil.

Social Implications

The social benefits of this project support the Shire's strategic vision of inclusion. The continuation of the Applicant's maintenance strategy will enable the Applicant to adequately represent the community and showcase Boddington within the Peel region with pride.

Environmental Considerations

Refer to Statutory Environment

Consultation

The Applicant held a meeting with committee members who concurred that the grounds needed to be maintained. The Applicant was unanimous in its decision.

Options

Council may;

1. Approve the funding of \$940;
2. Approve the funding at a lesser amount; or
3. Not approve the funding, giving reasons

Voting Requirements - Simple Majority

OFFICER'S RECOMMENDATION ITEM 8.5.1

COUNCIL RESOLUTION

64/16

Moved Cr Hoek

It is recommended that the maximum amount of \$940 be approved for the application by the Boddington Golf Club.

Seconded

Cr Collins

Carried

6/0

8.5.2 LOAF – Quindanning Picnic Race Day Club Incorporated ("QPRDCI")

Applicant: QPRDCI
File Ref. No: ADM0109
Disclosure of Interest: Nil
Date: 3 August 2016
Author: Emma Knox – Community Services
Attachments: Nil

Summary

The Quindanning Picnic Race Day Club Incorporated ("Applicant") are seeking funds for the construction of a disabled toilet, ramp, cement pad and fencing at the Quindanning race course.

Background

The Applicant has hosted family events at the Quindanning race course for over 38 years and is a strong and visible proponent within the Marradong community. The club is operated entirely by a committee of 8 members who identified that disabled toilets were required in efforts to support inclusion off all people, regardless of their abilities.

The racecourse is used for family gatherings, birthday parties, horse and caravan meets. The Applicant is also seeking to expand on these activities by incorporating another 2 main events per annum. The racecourse is also utilised as an evacuation centre so safe access to ablutions is essential.

Comment

If successful, the Shire of Boddington will be recognised by the Applicant via acknowledgment in the Bodd News. The Applicant is requesting council funding to the total amount of \$1,380 (*refer to Table 1 – Project costs for a breakdown of costs associated with the project*). The Applicant has not secured funding from any other source for the construction of the disabled ablution and supporting infrastructure.

Table 1 - Project costs

Item	Amount	Breakdown of costs
Purchase of disabled ablution block and ramp	\$1,260	<i>Applicant contribution</i>
Purchase of posts and rails for fencing	\$1,500	<i>Application contribution</i>
Purchase of posts and rails for fencing	\$1,500	<i>In kind donation</i>
Purchase of concrete	\$1,500	<i>In kind donation</i>
Form work and fencing labour	\$1,250	<i>In kind donation @ \$25 per hour x 50 hours</i>
Total	\$7,010	

SELECTION CRITERIA

Criteria met	1. Strongly supports the strategic and community development plan for the Shire <ul style="list-style-type: none"> • Support community initiated and owned projects • Support community events and activities • Develop new recreation and leisure opportunities • Work in partnership with community groups
Criteria met	2. Meets one third of total funds basis as LOAF will supply up to one third of the project, with community groups/organisations supplying at least a third of the cash required and the other third to be made of cash or in-kind donation.
Criteria met	3. Is a new initiative or innovative idea for one-off establishment grants or the purchase of new minor equipment to support an existing service; and the project will enhance the provision of new or enhanced local facilities.
Criteria met	4. Sustainable project and sustainable benefits for the community.
Criteria met	5. Originates from an organisation that has not received previous funding through the LOAF program.
Not applicable	6. Previous funding has been satisfactorily acquitted.
Criteria met	7. Project meets general grant conditions and those specific to their funding program.
Criteria met	8. Relevant grant application form has been satisfactorily completed.

PROJECT RATING - The selection criteria is the basis for the project rating and would be assessed as follows.

high recommendation	meets a minimum of 7 of the 8 selection criteria	100% of funds requested are allocated
medium/high recommendation	meets a minimum of 6 of the 8 selection criteria	75% of funds requested are allocated
medium recommendation	meets a minimum of 5 of the 8 selection criteria	50% of funds requested are allocated
not recommended	meets less than 4 of the 8 selection criteria	0% of funds requested are allocated

Strategic Implications

The Shire's Strategic Plan highlights the importance of building an inclusive and supportive community. The Shire approving the LOAF Application would assist in the Applicant being able to accommodate people with disabilities.

Statutory Environment

Commonwealth Disability Discrimination Act (1992), State Equal Opportunity Act (1984) and State Disability Services Act (1993)

Policy Implications

Policy 9.8 – Local Organisation Assistance Fund (“LOAF”) provides funds to projects conducted by local organisations in the proportion of one third council contribution and two thirds Applicant contribution, up to a maximum of \$1,500 contributed by Council.

Financial Implications

100% of funding can be sourced from the LOAF program, Applicant contributions and supplier donation.

Economic Implications - Nil.

Social Implications

The social benefits of this project support the Shire’s strategic vision of inclusion. The construction of disabled ablutions will ensure that disabled person can be accommodated.

Environmental Considerations

Refer to Statutory Environment

Consultation

The Applicant held a meeting with committee members who agreed the ablution needed to be constructed.

Options

Council may;

1. Approve the funding of \$1,380
2. Approve the funding at a lessor amount; or
3. Not approve the funding, giving reasons

Voting Requirements - Simple Majority

OFFICER’S RECOMMENDATION ITEM 8.5.2

COUNCIL RESOLUTION

65/16

Moved Cr Hoek

It is recommended that the maximum amount of \$1,380 be approved for the application by the Quindanning Picnic Race Day Club Inc.

Seconded

Cr Smart

Carried

6/0

8.5.3 LOAF – Boddington Ride on Racing Mower Club ("BRORMC")

Applicant: BRORMC
File Ref. No: ADM0261
Disclosure of Interest: Nil
Date: 9 August 2016
Author: Emma Knox – Community Services
Attachments: Nil

Summary

The Boddington Ride on Racing Mower Club ("Applicant") are seeking funds for the purchase and construction of a storage shed and fire extinguishers.

Background

The Applicant is a recently established community group consisting of 20 members that is in the process of becoming incorporated. The Applicant is the first mower racing association in Western Australia and interest is growing from both within and outside of the Boddington community.

Comment

If successful, the Shire of Boddington will be recognised by the Applicant via acknowledgment in the Bodd News. The Applicant is requesting council funding to the total amount of \$739 (refer to Table 1 – Project costs for a breakdown of costs associated with the project). The Applicant has not secured funding from any other source for the supply and installation of a storage shed and fire safety equipment.

Table 2 - Project costs

Item	Amount	Breakdown of costs
4 x 4.5kg Dry Chemical Fire Extinguishers	\$352	Applicant contribution
Shed	\$11,26.13	Shelving, shed, padlock
Supply of pavers	\$800	In kind donation
Supply of sand	\$240	In kind donation
Labour	\$500	In kind donation @ \$25 per hour x 20 hours
Total	\$30,18.13	

SELECTION CRITERIA

Criteria met	1. Strongly supports the strategic and community development plan for the Shire <ul style="list-style-type: none"> Support community initiated and owned projects Support community events and activities Develop new recreation and leisure opportunities Work in partnership with community groups
Criteria met	2. Meets one third of total funds basis as LOAF will supply up to one third of the project, with community groups/organisations supplying at least a third of the cash required and the other third to be made of cash or in-kind donation.
Criteria met	3. Is a new initiative or innovative idea for one-off establishment grants or the purchase of new minor equipment to support an existing service; and the project will enhance the provision of new or enhanced local facilities.
Criteria met	4. Sustainable project and sustainable benefits for the community.
Criteria met	5. Originates from an organisation that has not received previous funding through the LOAF program.
Not applicable	6. Previous funding has been satisfactorily acquitted.
Criteria met	7. Project meets general grant conditions and those specific to their funding program.
Criteria met	8. Relevant grant application form has been satisfactorily completed.

PROJECT RATING - The selection criteria is the basis for the project rating and would be assessed as follows.

high recommendation	meets a minimum of 7 of the 8 selection criteria	100% of funds requested are allocated
medium/high recommendation	meets a minimum of 6 of the 8 selection criteria	75% of funds requested are allocated
medium recommendation	meets a minimum of 5 of the 8 selection criteria	50% of funds requested are allocated
not recommended	meets less than 4 of the 8 selection criteria	0% of funds requested are allocated

Strategic Implications

The Shire's Strategic Plan highlights the importance of building a safe, strong, healthy and diverse community. The Shire approving the LOAF Application would assist in the Applicant being able to meet the safety rules set out by Government of Western Australia's Department of Health for motor sport events.

Statutory Environment

Australian Standards 1851:2005 & 2444:2001. Motor sports are inherently dangerous and the Health Act 1911 defines the safety requirements to mitigate against the impact of fire.

Policy Implications

Policy 9.8 – Local Organisation Assistance Fund (“LOAF”) provides funds to projects conducted by local organisations in the proportion of one third council contribution and two thirds Applicant contribution, up to a maximum of \$1,500 contributed by Council.

Financial Implications

100% of funding can be sourced from the LOAF program, Applicant contributions and supplier donation.

Economic Implications - Nil.

Social Implications

The social benefits of this project support the Shire’s strategic vision of a safe, diverse, strong and healthy community.

Environmental Considerations

Refer to Statutory Environment.

Consultation

The Applicant held a meeting with committee members who were in agreement to the purchase and installation.

Options

Council may;

1. Approve the funding of \$739
2. Approve the funding at a lesser amount; or
3. Not approve the funding, giving reasons

Voting Requirements - Simple Majority

OFFICER’S RECOMMENDATION ITEM 8.5.3

COUNCIL RESOLUTION

66/16

Moved Cr Manez

It is recommended that the maximum amount of \$739 be approved for this application by Boddington Ride on Racing Mower Club.

Seconded

Cr Smart

Carried

6/0

8.5.4 LOAF – Boddington Swimming Club Incorporated ("BSCI")

Applicant: BSCI
File Ref. No: ADM0239
Disclosure of Interest: Nil
Date: 09/08/2016
Author: Emma Knox – Community Services
Attachments: Nil

Summary

The Boddington Swim Club Incorporated ("Applicant") are seeking funds for the purchase of a lane divider which allows the club to maximise existing lane space.

Background

The Boddington swimming pool is a 25m x 6 lane facility. From 1500-1830 hours the pool is very busy as it is utilised by school children, various sporting bodies and the general public. Lane space during these periods is at a premium.

Last season the Applicant purchased two lane dividers and this year wish to purchase a third which will allow them to simultaneously utilise three lanes. This purchase will enable the Applicant to extend their swimming program to accommodate an adult swim squad whilst still running the junior dolphins program in the shallow end of the pool.

Comment

If successful, the Shire of Boddington will be recognised by the Applicant via their fortnightly newsletter and website. The Applicant is requesting council funding to the total amount of \$1,240 (*refer to Table 1 – Project costs for a breakdown of costs associated with the project*). The Applicant has not secured funding from any other source for the supply and installation of a storage shed and fire safety equipment.

Table 3 - Project costs

Item	Amount	Breakdown of costs
1 x Turnmaster Pro lane divider	\$2,479	<i>Applicant cash contribution</i>
Junior Dolphins program extended Free of Charge to 7 years and under	\$1,440	<i>Approx. 24 participants @ \$60 per season</i>
Club discount for introduction of Adult Master's Program	\$400	<i>Approx. 10 participants with a program discount of \$40 per participant applied</i>
Transport from Perth to collect Turnmaster	\$80	<i>Based on costs from local transport service provider</i>
Program Coaching Cost for Adult Master's Program	\$720	<i>1 session per week over 24 week season @ \$30 per hour</i>
Total	\$5,119	

SELECTION CRITERIA

Criteria met	1. Strongly supports the strategic and community development plan for the Shire <ul style="list-style-type: none"> Support community initiated and owned projects Support community events and activities Develop new recreation and leisure opportunities Work in partnership with community groups
Criteria met	2. Meets one third of total funds basis as LOAF will supply up to one third of the project, with community groups/organisations supplying at least a third of the cash required and the other third to be made of cash or in-kind donation.
Criteria met	3. Is a new initiative or innovative idea for one-off establishment grants or the purchase of new minor equipment to support an existing service; and the project will enhance the provision of new or enhanced local facilities.
Criteria met	4. Sustainable project and sustainable benefits for the community.
Criteria not met	5. Originates from an organisation that has not received previous funding through the LOAF program.
Criteria met	6. Previous funding has been satisfactorily acquitted.
Criteria met	7. Project meets general grant conditions and those specific to their funding program.
Criteria met	8. Relevant grant application form has been satisfactorily completed.

PROJECT RATING - The selection criteria is the basis for the project rating and would be assessed as follows.

high recommendation	meets a minimum of 7 of the 8 selection criteria	100% of funds requested are allocated
medium/high recommendation	meets a minimum of 6 of the 8 selection criteria	75% of funds requested are allocated
medium recommendation	meets a minimum of 5 of the 8 selection criteria	50% of funds requested are allocated
not recommended	meets less than 4 of the 8 selection criteria	0% of funds requested are allocated

Strategic Implications

The Shire's Strategic Plan highlights the importance of building a safe, strong, healthy and diverse community. The Shire approving the LOAF Application would assist in the Applicant being able to expand on the current programs they offer.

Statutory Environment - Nil

Policy Implications

Policy 9.8 – Local Organisation Assistance Fund ("LOAF") provides funds to projects conducted by local organisations in the proportion of one third council contribution and two thirds Applicant contribution, up to a maximum of \$1,500 contributed by Council.

Financial Implications

100% of funding can be sourced from the LOAF program, Applicant contributions and in kind donations.

Economic Implications - Nil.

Social Implications

The social benefits of this project support the Shire's strategic vision of a safe, diverse, strong and healthy community.

Environmental Considerations - Nil

Consultation

The Applicant held a meeting with committee members who agreed to purchase a third lane divider, continue offering free junior Dolphin lessons and member discounts to the newly introduced adult Master's classes.

Options

Council may;

1. Approve the funding of \$1,240;
2. Approve the funding at a lesser amount; or
3. Not approve the funding, giving reasons.

Voting Requirements - Simple Majority

OFFICER'S RECOMMENDATION ITEM 8.5.4

COUNCIL RESOLUTION	67/16	Moved Cr Smart
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It is recommended that the maximum amount of \$1,240 be approved by Boddington Swimming Club Incorporated.

Seconded	Cr Collins	Carried	6/0
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8.5.5 Assisting Local Sportsmen and Women – Nyah Mills

Applicant: Mrs Kerrienne Mills
File Ref. No: ADM 0261
Disclosure of Interest: Nil
Date: 10 August 2016
Author: Simone Baker
Attachments: 8.5.5A Letter from Mrs Mills
8.5.5B Letter from Lacrosse WA
8.5.5C Invoice

Summary

Council is to consider an application from Mrs Kerrienne Mills on behalf of her daughter, Nyah, for financial assistance towards a trip to Glenelg, South Australia as a member of the Under 15's Western Australian Regional State Lacrosse team.

Background

Nyah attended BDHS until Year 9 and is now a Year 10 student at Presbyterian Ladies College, Perth. Since moving to Perth to continue her high schooling, Nyah has been a member of the Bayswater Lacrosse Club. Nyah has been successfully selected by Lacrosse WA and has been given the opportunity to travel to Glenelg, South Australia in October 2016 to represent Western Australia in the Under 15's Lacrosse team, "Stars". The team will play a total of 6 games during the tournament.

Comment

The estimated cost of the trip is \$2745.00 per athlete (see 8.4.1C) and the family is seeking a Council contribution of a third of this cost being, \$915.00. The Mills family are long-time residents of Boddington and have been very active in the community. Nyah is an avid all-round sportswoman having been an active member of the Boddington Netball Association, Boddington Basketball Association, the Boddington Tennis Club and Boddington Swimming Club whilst completing her schooling here in Boddington. The Mills Family have been huge supporters of local sports on a team, individual and coaching/mentoring level since living here.

Strategic Implications - Nil
Statutory Environment - Nil

Policy Implications

Council Policy 10.17 Assisting Local Sportsmen & Women states that:

The Shire of Boddington will provide financial assistance – Local Sporting Champions Grant - for local sports men and women towards the cost of travel, accommodation, uniforms or equipment when competing at an official national sporting organisation (NSO) endorsed state or national sporting competition.

To be eligible to apply for a Local Sporting Champions grant, individuals and all team members must meet the following eligibility criteria:

- be between 12 and 21 years of age (inclusive) at the time of the nominated sporting competition;

- be a member of the immediate family of a resident or ratepayer of the Shire of Boddington;
- be participating as an athlete in an official state or national sporting competition which is endorsed by the relevant national sporting organisation (NSO) or national school sport competition. This does not include coaching or officiating at such competitions;
- be required to travel greater than 250km return to participate in the nominated NSO endorsed state or national sporting competition, or national school sport competition
- must not have been the recipient of a grant, either as an individual or a member of a team, within the year ending 30 June;
- must not be participating in a professional competition that involves prize money.

Grants will be allocated up to a maximum amount of \$1,500. It is not expected that a grant would be allocated for the total cost of travel, accommodation, uniforms or equipment, but be a contribution to that cost.

Financial Implications

Council has budgeted \$3,500 for donations during 2016/17 and to date this amount is still available.

Economic Implications - Nil

Social Implications - Nil

This tour will be a great opportunity for Nyah to develop her life experiences and will assist her in the future to be an even more valuable member of the Boddington community.

Environmental Considerations - Nil

Consultation - Nil

Options

Council may:

1. Approve the donation of \$915;
2. Approve a donation of a lesser amount, giving reasons; or
3. Not approve a donation, giving reasons.

Voting Requirements - Simple Majority

OFFICER RECOMMENDATION – ITEM 8.5.5

COUNCIL RESOLUTION

68/16

Moved Cr Hoek

That Council contribute an amount of \$915 towards travel and accommodation expenses for Nyah Mill's trip to South Australia to represent Western Australia in the State Under 15's Lacrosse team, "Stars" in October 2016.

Seconded

Cr Manez

Carried

6/0

Kerrienne Mills
32 Kalmina Way
Boddington
WA 6390
Ph: 0427 909 198
9th August, 2016

To whom it may concern,

I am writing to you to apply for funding from the Boddington Shire under the policy, Local Sporting Champions Grant, number 10.17; Assisting Local Sportsmen and Women. I have read through the criteria and feel that my daughter Nyah addresses all guidelines to be eligible.

- Nyah Mills is 15 years of age, (DOB 22/06/2001).
- Both of her parents are ratepayers to the Shire of Boddington (Kerrienne and Andrew Mills).
- Nyah has been selected to represent Western Australia in the 2016 WA under 15 girls Stars lacrosse team, as a player. Not officiating nor coaching.
- The competition is being held in Glenelg, South Australia. Therefore she will be travelling over 2700kms to participate.
- Nyah has not been the recipient of any other grants.
- This competition does not involve prize money nor is it deemed a professional event.
- The state tournament begins on Saturday, 1st October and concludes Sunday, 9th October, 2016.

The total costs for the tournament is \$2745.00, therefore I would like the shire council to consider assisting Nyah with the maximum third of the costs, being \$915.00. This assistance would be greatly appreciated and benefit Nyah in pursuing this wonderful opportunity to represent her state.

In support of my application I would like to offer further information about Nyah Mills. She attended Boddington District High School from kindergarten through to Year 9, where she then boarded in Perth to continue off her high schooling from years 10 -12. Nyah has been an active member of the Boddington Netball Association, playing every year from year 1, she was a member of the Boddington Basketball Association when it was active, the Boddington Junior Tennis Club where her dad Andy Mills coached for two seasons. Nyah participated in Boddingtons minkey hockey when it was still going and was a committed member of the Boddington Swimming Club where her dad was senior coach for many years and I ran the club, progressing it to the affiliated recognised club it is today. Her older sister Jordenne was also a member of these sporting clubs. Finally, I am an active member of Boddington Sub centre, St Johns, have been a teacher at the local school and my husband and I have a local small business. Our family has been a proactive family in the community since residing here in 2004.

I look forward to hearing from you soon.

Kind regards,
Kerrienne Mills



Lacrosse WA

Unit 115/396 Scarborough Beach Road Osborne Park WA 6017

Postal Address PO Box 1633 Osborne Park WA 6916

Tel: 08 9444 0008

Email: executive@lacrossewa.com.au

Website: www.lacrossewa.com.au

28 July 2016

Dear Nyah

Congratulations on your selection in the 2016 U15 Western Australian Regional Lacrosse Team – Stars, competing in the U15 Australian Lacrosse Association Tournament in Adelaide, 2nd October to the 8th of October 2016.

This tournament provides a wonderful opportunity to develop not only your lacrosse skills but also your lacrosse friendships, which I hope you will do as keenly as you apply yourself to developing your skills.

As a member of this team you are representing yourself, your fellow team-mates and coaches and Lacrosse WA. I trust you will do that with dignity, both on and off the field.

The opportunity now lies ahead of you to have a really great tournament and I urge you to seize that opportunity with both hands, so that you will remember this tournament as one of your best.

Good luck in the campaign you are undertaking to participate in this Tournament.

Yours sincerely

Lacrosse WA President



Department of
Sport and Recreation

2016 WA UNDER 15 GIRLS STARS

2016 WA UNDER 15 GIRLS STARS
LACROSSE TEAM

INVOICE

No: LWANM

Date : 8th August 2016

TO:- Nyah Mills

	AMOUNT
Flights	• \$650.00
Accommodation	• \$665.00
Transport	• \$145.00
Tournament	•
WA Under 15 Tournament Cost	• \$125.00
	•
Uniform	
Playing top	• \$45.00
Polo	• \$50.00
Socks 3 pair	• \$45.00
Jacket	• \$130.00
Embroidery	• \$20.00
Skort (Powerplay inc emb)	• \$45.00
Hoodie	• \$70.00
Backpack	• \$45.00
Food / Beverages and Incidentals	•
Food	• \$350.00
TEAM DINNER PRES UNIFORM	• \$30.00
Incidentals / Misc Medical /Fuel /Training Costs	• \$150.00
Equipment required - 2 nd Lacrosse Stick	• \$90.00
- 2 nd Mouthguard	• \$40.00
	•
1st payment – Deposit Due By 21/8 \$500.00	
2 ND PAYMENT 4/8 \$500.00	
3 RD PAYMENT 25/8 \$500.00	
FINAL PAYMENT 15/9 \$485.00	
ACCOUNT NAME	
LWA - STARS REF : MILLS	
• BANK DETAILS	•
ANZ BANK	
BSB: 016 112	
• ACCOUNT NUMBER: 903122535	•
• TOTAL OWING	• \$ 2745.00

8.6 CHIEF EXECUTIVE OFFICER:

8.6.1 Action Sheet

Disclosure of Interest: Nil
Date:
Author: Chris Littlemore

Purpose of Report

To bring forward Councillors information the Action Report with actions taken on previous Council resolutions.

Meeting Date	Resolution Number	Responsible Officer	Subject	Date Completed	Comments Current Status
21/06/16	51/16	CEO	Community & Tourism Hub		In progress
19/07/16	57/16	DCCS	Bushfire Advisory Committee Recommendations	20/07/16	Completed
19/07/16	58/16	CEO	Rifle Range Inc – Extension Request	20/07/16	Letter sent

For information only.

9. ELECTED MEMBERS' MOTION OF WHICH PREVIOUS MOTION HAS BEEN GIVEN:

Nil

10. URGENT BUSINESS WITHOUT NOTICE WITH THE APPROVAL OF THE PRESIDENT OR MEETING:

Gallery left Chambers at 5:26pm.

Cr Collins declared a Financial Interest in Item 11.1.1 in that it is a Confidential Item for the sale of a house at 25 Johnstone Street, and she is a Real Estate Agent in Boddington and left Chambers at 5:26pm.

Executive Assistant left Chambers at 5:45pm.

11. CONFIDENTIAL ITEM:

11.1.1	Sale 25 Johnstone Street Boddington
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Confidential

12. CLOSURE OF MEETING:

With no further business to discuss the Shire President, Cr Allert, closed the meeting at 6:15pm.

These minutes were confirmed by the Council as a true and accurate record at the Ordinary Council Meeting held on Tuesday 20 September 2016.

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J R ALLERT
(President)