Minutes (Revised)

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WORSLEY ALUMINA COMMUNITY LIAISON COMMITTEE - MINE

Meeting Date	Tuesday, 19 May 2026
Meeting Time	4:00pm
Meeting Location	Boddington CRC
Meeting Chair	Greg Cavanagh
Attendees	Greg Cavanagh, Chair Donna Harris, Community Representative Melanie Durack, Peel-Harvey Catchment Council/5 Rivers NRM Peter Stubbs, Shire of Williams Cr Peter Latham, Shire of Wandering Cr Hans Pradle, Shire of Boddington Natalee Lombardi, Community Representative Ian Macpherson, Community Representative Nick Claydon, Manager Government, South32 Wendy Botes, Manager Environment, South32 Jessica Martin, Principal Strategic Engagement, South32 Chrissy Harris, Principal External Affairs, South32
Apologies	Julie Burton, Shire of Boddington Cr Eugene Smalberger, Shire of Boddington Cr Paul Kessler, Shire of Boddington Trever Stockil, South32 Melissa Hughes, Boddington District High School

MEETING MINUTES

Item	Description	Presenter
1	**Open Meeting and Note Apologies** • Meeting opened at 4.00pm • Apologies noted as per above	G Cavanagh

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

South32 Worsley Alumina Pty Ltd, as manager of the Worsley Joint Venture, acts as agent for and on behalf of the South32 Aluminium (RAA) Pty Ltd (56%), South32 Aluminium (Worsley) Pty Ltd (30%), Japan Alumina Associates (Australia) Pty Ltd (10%) and Sojitz Alumina Pty Ltd (4%) (the "Worsley Joint Venturers"). Liability of the Worsley Joint Venturers is several in proportion to their respective participating interests held from time to time in the Worsley Joint Venture (which as at the date of this document are as set out in this paragraph).

MEETING MINUTES		
Item	**Description**	**Presenter**
2	**Acknowledgement of Country**	N Claydon
3	**Read and Accept Previous Minutes**	G Cavanagh
	• Motion to update previous Minutes - Moved: I Macpherson • Accepted: N Lombardi	
	Review actions and responses from the previous meeting	G Cavanagh
4	**South32 Business Update**	South32
	• South32 Quarterly Report March 2026 • Worsley Update • Mine Development • Safety Update	
	OPERATIONAL UPDATE	South32
	Mine & Materials • Environment • Nullaga Project • Bauxite Quality • FY26 Highlights	
	ENVIRONMENT UPDATE	South32
	• Approvals Update – Refinery BRDA 5 Cell 7 • Dust Monitoring • Water Abstraction • BBM Water Monitoring • Offset 2 (ex Gibbs property) Update • Offset 2 – Feral Management • Offset Photos – Habitat Black Cockatoos • Offset Photos – Habitat Mammals • Offset Photos – Ecological Restoration	

Item	Description	Presenter
	Community	South32

Social Investment March 2026

- Community CookUp – winners of the Colouring In Competition hosted by the Diner Café and South32
- Summer By The River

Social Investment April 2026

- Native Plant Subsidy and Backyard Tree Planting Program with Shire of Boddington
- Anzac Day Dawn Service
- Quindanning Picnic Race Day
- Medieval Fayre
- Grand Opening of the Boddington Sports and Community Club Playground

Social Investment May 2026

- Yarning Circle
- Boddington Netball Club Quiz Night Fundraiser

Updates:

- Local Voices Survey
- Community Grants Program update – extended to 31 May
- Recruitment for the External Affairs Manager

Community Complaints

5	Discussion and Members' Updates	All

- Overdue payments by South32 to a local business is back on track; haven't heard of any other impacted businesses – D.Harris
  - S32 response – please advise if any other business feels impacted.
- Financial support requested for the Boddington District High School Country Week – D.Harris
  - S32 response – on track; spoke with school representative 18th and 19th May.
- What is the total water consumption by S32 including everything pulled from streams, bores, dams, Quindanning, etc? – G. Cavanagh & I.Macpherson
  - S32 response – data to be further reviewed and investigated.
- Can S32 provide water monitoring data as a spreadsheet for ease of copying data – I.Macpherson
  - S32 response – reports are provided as pdf documents as a method of protecting data integrity so that information cannot be manipulated. S32 committed to investigating options.

Item	Description	Presenter

- When requesting information, S32 says no more often than yes - I.Macpherson
  - S32 response – disagree; will review community requests for information.
- Rebranding of PHCC to "5 Rivers" will be a 12month process – M. Durack
- Feral pig management workshop and invitation for S32 to attend – M. Durack
  - S32 response – committed to following up with the Environment team and confirm attendance.
- Seedling giveaway event at Shire of Wandering for those impacted by the fires – M. Durack

6	**Any Other Business**	All

Incoming Correspondence

Date	From	Subject	Request
11 May 2026	Ian Macpherson	agenda item for CLC meeting 19.5.2025	• Triennial Acquifer Reviews • Quindanning water • Link to Appendix 9.7 on Worsley webpage

Attachment A – "Re_ agenda item for CLC meeting 19_5_2025"
Attachment B – "CLC meeting 19.5.2026 agenda item"

7	**Review Actions from Meeting**	

As per below.

8	**Arrangements for Next Meeting**	G Cavanagh

Arrangements for next meeting and meeting dates for FY27:

Wednesday, 19 August 2026 – Quindanning
Tuesday, 17 November 2026 – Boddington
Tuesday, 23 February 2027- Boddington
Tuesday, 18 May 2027 – Boddington

9	**Close Meeting**	G Cavanagh

Meeting closed at 5:30pm

MEETING ACTIONS			
Item	Action	Responsibility	Due
1.	S32 to confirm delivery route and dates of girders to the Shire of Boddington.	South32	Completed
2.	Response to Brenden Metcalf regarding: • Queries re artifical hollows and compliance for S32CLC pt1 • Worsley Cockatoo Nesting Tree Assessment Issues for S32 CLC Pt2	South32	Completed
3.	Confirm S32 volunteers for the Quindanning Races	South32	Completed
4.	Confirm Summer By The River sponsorship agreement (regarding fireworks)	South32	Completed
5.	Investigate and response to query: the water monitoring bore near the Bannister Roadhouse is still leaking. These have been sorted and installed in the field. The last field inspection found no water leaving the casing.	South32	Completed
6.	Organise CLC site visit to an offset property and Nullaga Bridge – June/July	South32	Ongoing
7.	CLC Profiling	South32	Ongoing
8.	Total water purchased by S32, including everything pulled from streams, bores, dams, Quindanning, etc Review licence requirements and review due diligence commercial arrangement.	South32	Ongoing
9.	Review community requests for information, and what has been supplied.	South32	Ongoing
10.	Review options to provide water monitoring data as a spreadsheet.	South32	Ongoing
11.	Feral pig management workshop and invitation for S32 to attend.	South32	Ongoing

MEETING ACTIONS			
Item	**Action**	**Responsibility**	**Due**
12.	What is the total funding for the Community Grants Program	South32	Ongoing

Attachment A

Harris, Chrissy

From:	Ian Macpherson <[redacted]>
Sent:	Monday, 11 May 2026 4:24 PM
To:	Harris, Chrissy
Cc:	Greg Cavanagh; Melanie Durack
Subject:	Re: agenda item for CLC meeting 19.5.2025

Thanks Chrissy I never would have found that as app 7 instead of 9.7

The questions are on the pages of the attachments.

Where are the triennial aquifer reviews 2011-2014, 2014-2017 & 2017-2020, am i using the wrong name? Found a referance to the document as attached but searching that title finds nothing.

Why will you not release the source type and quanity of the water from Qwinny direction? As the name and exact location is not asked for there should be no conflict with the "confidential commercial arrangement "

On Mon, May 11, 2026, 15:50 Harris, Chrissy <[redacted]> wrote:

Good afternoon Ian,

The appendix names and attachments had me confused, so I apologise for the delay responding while I double checked my understanding; we are looking to refine the naming convention moving forward.

- 'Appendix 7' is titled 9.7 in the CAR.
- All documents are available on the South32 website: https://www.south32.net/what-we-do/our-locations/australia/worsley-alumina/documents
- Appendix are under the heading "FY25 Appendices" – screen shot below.
- They were added separately due to the large number of appendices and the size of them.

You are welcome to submit your questions today/tomorrow, regarding transparency of water data, so the Environment team have ample time to prepare their findings ahead of the CLC. Let me know how you would like to proceed.



Kind regards,

Chrissy Harris

Principal External Affairs - Engagement

Worsley Alumina

PO Box 50, Boddington WA 6390

[redacted]

south32.net

-----Original Message-----
From: Ian Macpherson <[redacted]>
Sent: Monday, 11 May 2026 3:21 PM
To: Harris, Chrissy <[redacted]>
Cc: Greg Cavanagh <[redacted]>; Melanie Durack <[redacted]>
Subject: agenda item for CLC meeting 19.5.2025

Hi All.

I have a few questions on the transparency of the groundwater and water in general data that I would like to raise at the next CLC meeting.

Attached are a few pages that highlight some of the unavailability of the data and the requirement to make it available.

I have also sent to the Worsley community email address requesting-

Could I please have a copy of Appendix 9.7 as listed in the worsley-compliance-assessment-report-fy25, but not part of the document.

The doc you have up on your page only has appendix 9.1.

Regards Ian

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This email has been checked for viruses by AVG antivirus software.

https://aus01.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.avg.com%2F&data=05%7C02%7Cchrissy.harris%40south32.net%7C7c43b6dbab3240aa771408deaf2df0dc%7Cd05d5e5b385d4774b496d0cf85bfa5f4%7C1%7C0%7C639140809480229667%7CUnknown%7CTWFpbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUsIlYiOiIwLjAuMDAwMCIsIlAiOiJXaW4zMiIsIkFOIjoiTWFpbCIsIldUIjoyfQ%3D%3D%7C0%7C%7C%7C&sdata=gu1hpJjjvvrebpDNqZu8eh%2BFbMz%2FlwyKQTtfFD75fpQ%3D&reserved=0

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Attachment B

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Disclaimer

THIS DOCUMENT

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MINISTERIAL

Statement No. 1237

STATEMENT THAT A PROPOSAL MAY BE IMPLEMENTED
(Environmental Protection Act 1986)

WORSLEY MINE EXPANSION – REVISED PROPOSAL

Proposal: Worsley Mine Expansion – Revised Proposal

Proponent: South32 Worsley Alumina Pty Ltd
Australian Company Number 58 008 905 155

Proponent address: 108 St Georges Terrace, PERTH WA 6000

Assessment number: 2216

Report of the Environmental Protection Authority: 1768

Introduction: The proposal is a significant amendment to the existing Worsley Alumina - Production to Maximum Capacity of 4.7 Mtpa Alumina and Associated Mining proposal which was agreed to be implemented under Ministerial Statement 719. The EPA's Report for the existing proposal is Bulletin 1209, EPA Assessment Number 1526.

Pursuant to section 45 of the *Environmental Protection Act 1986*, it is now agreed that:

1. the significant amendment proposal described in condition A1-1, may be implemented;
2. Ministerial Statement 719 for the existing Worsley Alumina - Production to Maximum Capacity of 4.7 Mtpa Alumina and Associated Mining proposal is superseded under section 40AA (6) (b) of the *Environmental Protection Act 1986*; and
3. the implementation of the existing approved proposal as amended by the significant amendment proposal is subject to the following implementation conditions and procedures.

Conditions and procedures

Part A: Proposal extent

Part B: Environmental outcomes, prescriptions and objectives

Part C: Environmental management plans and monitoring

Published on: 20 December 2024

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D3 Contact Details

D3-1 The proponent must notify the **CEO** of any change of its name, physical address or postal address for the serving of notices or other correspondence within twenty-eight (28) days of such change. Where the proponent is a corporation or an association of persons, whether incorporated or not, the postal address is that of the principal place of business or of the principal office in the State.

D4 Time Limit for Proposal Implementation

D4-1 Implementation of the proposal within the **extended mining areas** must be substantially commenced within fifteen (15) years from the date of this Statement.

D4-2 The proponent must provide to the **CEO** documentary evidence demonstrating that they have complied with condition D4-1 no later than fourteen (14) days after the expiration of the period specified in condition D4-1.

D4-3 If the proposal within the **extended mining areas** has not been substantially commenced within the period specified in condition D4-1, implementation of the proposal within the **extended mining areas** must not be commenced or continued after the expiration of that period.

D5 Public Availability of Data

OF DWER

D5-1 Subject to condition D5-2, within a reasonable time period approved by the **CEO** upon the issue of this Statement and for the remainder of the life of the proposal, the proponent must make publicly available, in a manner approved by the **CEO**, all validated environmental data collected before and after the date of this Statement relevant to the proposal (including sampling design, sampling methodologies, monitoring and other empirical data and derived information products (e.g. maps)), environmental management plans and reports relevant to the assessment of this proposal and implementation of this Statement.

D5-2 If any data referred to in condition D5-1 contains trade secrets or any data referred to in condition D5-1 contains particulars of confidential information (other than trade secrets) that has commercial value to a person that would be, or could reasonably be expected to be, destroyed or diminished if the confidential information were published, the proponent may submit a request for approval from the **CEO** to not make this data publicly available and the **CEO** may agree to such a request if the **CEO** is satisfied that the data meets the above criteria. In making such a request the proponent must provide the **CEO** with an explanation and reasons why the data should not be made publicly available.

These are results for worsley south32 groundwater boddington data availability
Search instead for worsley south 32 groundwater boddington data availability

AI Overview

Groundwater data for the South32 Worsley Alumina operations, including the Boddington Bauxite Mine (BBM), is extensively monitored and reported, primarily through environmental assessment documents, management plans, and regular community updates. Recent monitoring indicates a long-term decline in background groundwater levels, along with increasing salinity, partly due to regional reduced rainfall

Data Availability & Key Reports

- **Environmental Review Document (ERD):** Detailed groundwater studies, including the 2022 revised proposal documents, provide extensive baseline and predicted impact data.

- **Triennial Aquifer Review (2020–2023):** This report reviews rainfall, groundwater abstraction, and monitoring data across the BBM site.

WOULD LIKE 2011 - 2014 2014 - 2017 2017 - 2020
DWER DONT HAVE

- **Water Management Plan (WMP):** This plan (available on the South32 website) provides details on monitoring, impacts, and mitigation measures for inland waters

- **Community Updates:** Regular, updated, and detailed information is released through local community updates, with recent updates available up to April 2026

4.3 SURVEY AND STUDY FINDINGS

Worsley have undertaken studies to understand the potential impacts of bauxite mining on Inland Waters. These studies have supported the development of appropriate monitoring programs to ensure operational impacts are understood and minimised to prevent environmental harm. Detailed reviews of monitoring programs and associated data are completed on a regular basis applying an adaptive management approach to the monitoring and management of Inland Waters. These studies and reviews are summarised in Table 4-1.

Table 4-1: Inland Waters studies and reviews

Mining Area	Description	Reference
Saddleback	Flux Density Analysis to determine high salinity risk areas and revise the surface and groundwater monitoring program as appropriate.	WEC 2003. Salinity Risk Assessment for the Boddington Bauxite Mine Using FDA
Marradong	Flux Density Analysis to determine high salinity risk areas and revise the surface and groundwater monitoring program as appropriate.	Croton and Dalton 2008. Proposed Groundwater Monitoring for the Marradong Timber Reserve Mine Area
Hotham North	Flux Density Analysis to determine high salinity risk areas and revise the surface and groundwater monitoring program as appropriate.	Green et al 2023a, Salinity Risk Assessment for the Hotham North Mining Area Using Flux Density Analysis
Saddleback and Marradong	Triennial Aquifer Reviews: These have been completed for operations occurring from 2004 onwards. The purpose of the triennial review is to assess the effectiveness of controls in managing impacts to the aquifers within the active areas of BBM.	Most recent: Green et al 2021, Boddington Bauxite Mine Triennial Aquifer Review July 2017 – June 2020 Green et al 2024. Boddington Bauxite Mine Triennial Aquifer Review July 2020 – June 2023
Primary Assessment Area (BBM)	Numerical Groundwater Model: quantify potential groundwater related effects of the proposed mining activities, specifically changes to groundwater levels and fluxes, to inform the assessment of groundwater impacts	GHD 2022, Groundwater Supporting Studies, Numerical Groundwater Modelling
Primary Assessment Area (BBM)	Assessment of bauxite mining impacts on the groundwater and surface water systems consisting of a desktop review and predictive groundwater flow modelling.	GHD 2022, Groundwater and surface water studies
Primary Assessment Area (BBM)	Additional Groundwater Model Uncertainty Analysis	GHD 2023, Technical Memorandum *Groundwater uncertainty analysis to support addressing comments provided by the Office of Water Science*
Saddleback	A targeted study to understand the effects of Worsley Alumina's Boddington Bauxite Mine (BBM) on stream flows, stream salinities and groundwater levels.	WEC 2004, Review of the Bee Farm and Tunnel Rd Catchment Study
Saddleback and Marradong	Detailed groundwater monitoring program review for the BBM	Croton, J.T. Mauger, G.W. & Dalton, J.A. 2020. Review of the Piezometer Network at the Boddington Bauxite Mining
Hotham North	Hydrology and hydraulics study to understand hydrological risks and support design of Hotham River Crossing and associated haul road alignment.	Egis 2023, Dilyan's Crossing Hydrology and Hydraulics Report
CBME	Hydrogeological assessment and groundwater model development for the proposed contingency bauxite mining at the CBME	GRM 2023, Contingency Bauxite Mining Envelope (CBME) Hydrogeological Assessment and Groundwater Model
Quindanning Timber Reserve	Detailed review of potential indirect impacts to *C. hopperiana* in the Quindanning Timber Reserve associated with the Revised Proposal providing recommended monitoring and management measures.	Green et al 2023b Review of the Indirect Impacts in the Quindanning Mining Area

Subject: RE: CLC - Worsley Alumina Mine - Minutes, 17 February 2026
From: Worsley Community <worsleycommunity@south32.net>
Date: 2/04/2026, 12:48 pm
To: Ian Macpherson <[redacted]>, Worsley Community <worsleycommunity@south32.net>, "Harris, Chrissy" [redacted]

Dear Ian,

Thank you for the kind offer to support.

We have a design that meets applicable safety requirements, and they will be installed in the coming weeks. If there is any pressure build up in the bore due to it being capped, then safety and engineering controls are required. NO REMEDY DRILL BY CLASS 3

The bore itself is only semi-artesian, with water flow being minor (if any) during the summer months and more flow during winter. STILL ARTESIAN.

Regards
Worsley

From: Ian Macpherson <[redacted]>
Sent: Friday, 20 March 2026 9:59 AM
To: Harris, Chrissy <[redacted]>
Subject: Re: CLC - Worsley Alumina Mine - Minutes, 17 February 2026

Regarding the flowing well at Bannister roadhouse.
I can give you a quick design to seal and also allow monitoring of head height. Its not rocket science.
I am a class 3 driller allowed to drill and construct artesian wells.

On Wed, Mar 11, 2026, 16:07 Harris, Chrissy [redacted] wrote:

> Good afternoon Ian,
>
> Thank you for raising the below questions at the recent February CLC meeting; please find updates listed below each question.
>
> Question 1: What is the total water consumption by S32 – including everything pulled from streams, bores dams, Quindanning, etc?
>
> - The 6-monthly update on water extracted from bores onsite is 348ML (July - December 2025).
> - Purchased water from Quindanning is under a commercial arrangement and we cannot discuss volumes. Worsley has reviewed DWER's water use capability in relation to the Quindanning water as part of our due diligence, however note that all and any approvals associated with the sale of the water is the responsibility of the seller. WHY HIDE THIS
>
> Question 2: There is a newly installed uncapped bore near the Bannister Roadhouse that has water exiting the top