

**Alcoa of Australia
Limited**

**Myara North
Geotechnical Investigation**

**Environmental
Management Plan**

February 2023



Alcoa Document # - HUN-M-000095-000

Specification Revision Record					
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27/02/2023	1	Issued for Use	M. Ludlow	S. Mosavi-Khonsavi	C. Htun
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1 Introduction

1.1 Background

Alcoa of Australia Ltd (Alcoa) operates two bauxite mines in Western Australia at Huntly and Willowdale which are located approximately 100km south east of Perth. Alcoa propose to transition the Huntly Mine operations into the Myara North region which is located within the Jarrahdale State Forest 22. State Forest 22 is vested in the Conservation and Parks Commission and managed by the Department of Biodiversity, Conservation and Attractions (DBCA) under the *Conservation and Land Management Act 1984* (CALM Act).

The Huntly Mine is located within mineral lease ML1SA and operated in accordance with the *Alumina Refinery Agreement Act 1961*. Environmental approval for Huntly Mine and the associated Pinjarra Refinery was granted under Ministerial Statement 646, issued under Part IV of the *Environmental Protection Act 1986* (EP Act). The Myara North mine move is currently under assessment under Part IV of the EP Act as part of the Pinjarra Alumina Refinery Revised Proposal (assessment number 2253). Approval is anticipated in 2025.

Alcoa intends to conduct a geotechnical investigation within the Myara North region to assist in refining designs for the proposed infrastructure including haul roads, workshops, site offices, parking, laydown areas and drainage infrastructure.

1.2 Scope

Alcoa has engaged Tetra Tech Coffey (TTC) to complete a geotechnical investigation which will include testing at 155 locations (see Figure 1). The test types and potential disturbance extents are outlined in Table 1 with GPS coordinates provided in Appendix 1.

The geotechnical investigation is planned to commence in Quarter 3 2023, subject to grant of regulatory approvals, and be complete by December 2023.

The geotechnical investigation will include the construction of 22 groundwater monitoring bores to monitor groundwater levels and quality within the region. These bores will be accessed on a quarterly basis by Alcoa personnel or contractors to collect samples for analysis. The bores are anticipated to be used for up to ten years and access will also be required for periodic maintenance.

1.3 Approvals

The following approvals are required prior to commencement of the geotechnical investigation:

- Section 101 Licence from the Director General of Biodiversity, Conservation and Attractions under the CALM Act to conduct activities within a State Forest; and
- Water Corporation approval to conduct activities within the Reservoir Protection Zone of Serpentine Dam.

The Department of Water and Environmental Regulation has advised that no approval under the Part IV of the EP Act is required for the geotechnical investigation.

A referral under Part V Section 51DA of the EP Act has been made to the Department of Mines, Industry Regulation and Petroleum to determine whether a Part V clearing permit is required.

1.4 Purpose of this Plan

The purpose this plan is to:

- Outline the measures to be implemented to protect the environment, forest users and heritage during the geotechnical investigation and subsequent groundwater monitoring; and
- Provide assurance to regulators and stakeholders that the potential environment and heritage risks can be appropriately managed.

The commitments in this management plan apply to both Alcoa personnel and contractors engaging in the activities described in the scope above.

1.5 Legal and Other Statutory Project Requirements

The contractor will be required to comply with the following legislation when completing the geotechnical investigation:

- *Environmental Protection Act 1986*;
- Commonwealth *Environment Protection and Biodiversity Conservation Act 1999*;
- *Conservation and Land Management Act 1984*; and
- *Metropolitan Water Supply, Sewerage and Drainage Act 1909*.

Figure 1-1: Myara North Geotechnical Investigation Proposed Test Locations (pink) and Indicative Access Routes (green)

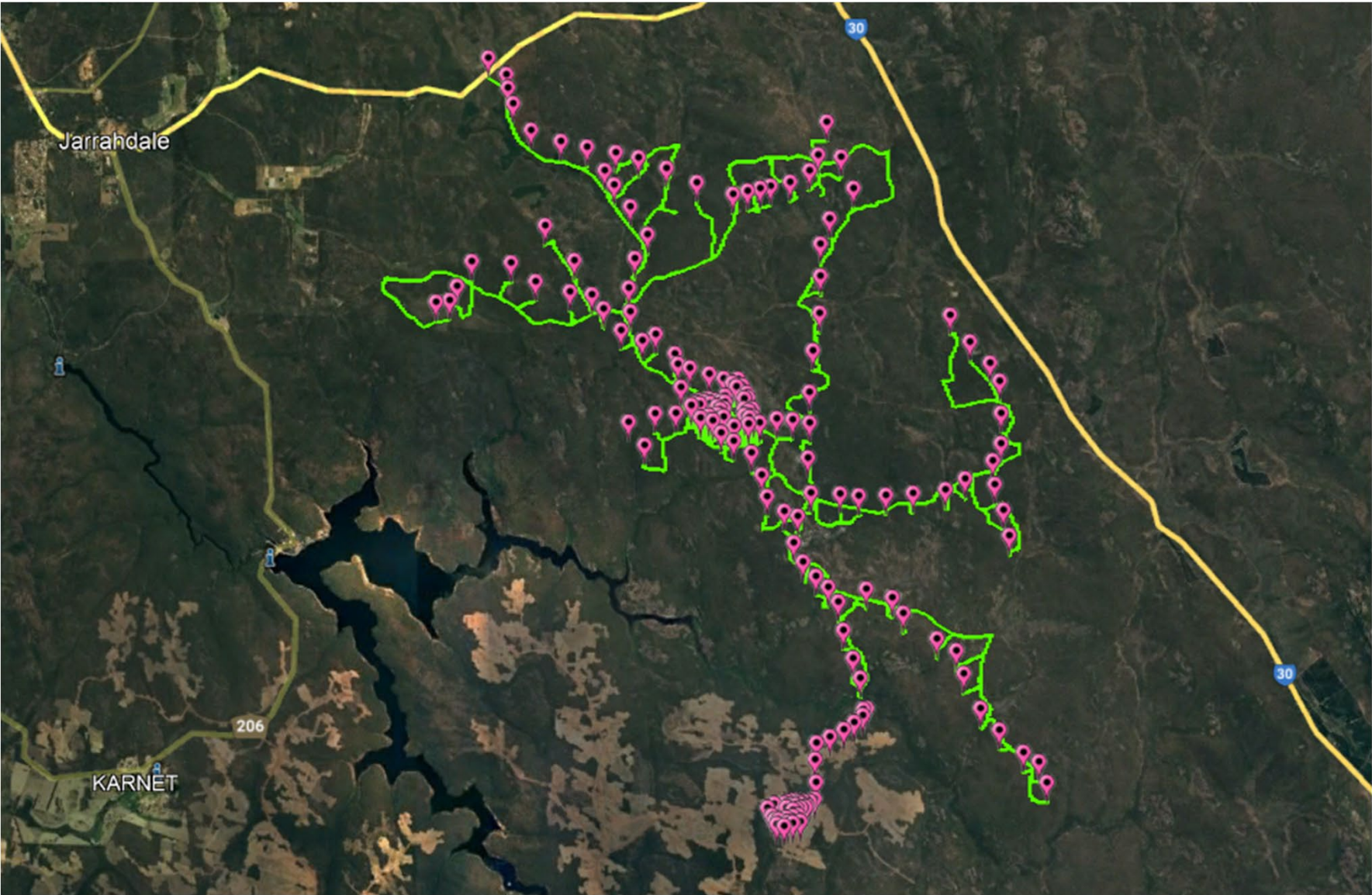







Table 1-1: Myara North Geotechnical Investigation Test Types and Disturbance

Investigation Type	Locations	Equipment Used	Access Disturbance	Test Disturbance	Remediation	Ongoing Disturbance
Plate Load Test	4 (a selection of the test pit locations in Appendix 1)	8 tonne rubber-tracked excavator 	3m track width Rubber tracks or rubber tyres Trees and large shrubs avoided Small shrubs pushed down	Maximum 20m ² total disturbance area 300mm diameter under excavator 100mm ground penetration	Backfilling of penetration Replacement of leaf litter	None

Investigation Type	Locations	Equipment Used	Access Disturbance	Test Disturbance	Remediation	Ongoing Disturbance
Seismic Test	Various over 25km of proposed haul road alignments (refer Figure 1)	<p>Hand held hammer hits metal probe</p> <p>1m x 0.5m light vehicle or hand pulled skid containing testing equipment</p> <p>Light vehicle to drag skid where existing tracks are available. If no track available then cable and skid to be walked.</p> 	<p>1m skid track width with trailing cable 50 – 90m long</p> <p>Trees and shrubs avoided</p>	<p>Maximum 20m² total disturbance area</p> <p>500mm ground penetration</p>	<p>Backfilling of penetration</p> <p>Replacement of leaf litter</p>	None

Investigation Type	Locations	Equipment Used	Access Disturbance	Test Disturbance	Remediation	Ongoing Disturbance
Dynamic Cone Penetrometer (DCP)	133 (a selection of the test pit locations in Appendix 1)	Hand held penetrometer Light vehicle to access bush tracks 	Personnel access only	Maximum 1m ² total disturbance area 20mm diameter	Backfilling of penetration Replacement of leaf litter	None

Investigation Type	Locations	Equipment Used	Access Disturbance	Test Disturbance	Remediation	Ongoing Disturbance
Borehole Installation	22 (refer borehole locations within Appendix 1)	Light vehicle drill rig 	2.5m track width Rubber tyres Trees and large shrubs avoided Small shrubs pushed down	Maximum 35m ² total disturbance area Excavated material temporarily stockpiled over 4m ² footprint Installation of 100mm bore pipe topped with metal casing and concrete pad	Backfill of borehole with excavated material Excess excavated material to be spread over maximum 10m ² disturbance area No covering of shrubs with excavated material Replacement of leaf litter	Quarterly light vehicle access to borehole to collect groundwater samples for a minimum of ten years post construction Ad hoc light vehicle access for maintenance purposes

Investigation Type	Locations	Equipment Used	Access Disturbance	Test Disturbance	Remediation	Ongoing Disturbance
Test Pit (in case of ground refusal, test pits may be replaced with additional boreholes)	155 (refer test pit locations within Appendix 1)	8 tonne rubber-tracked excavator with blade 	3m track width Rubber tracked Trees and large shrubs avoided Small shrubs pushed down	Maximum 15m ² total disturbance area Maximum 5m by 1m pit dug to 3m depth Excavated material temporarily stockpiled over 5m ² footprint	Pit backfilled with excavated material after temporary stockpiling Backfilled pit to be level with surrounding ground Replacement of leaf litter	None

2 Existing Environment

2.1 Flora and Vegetation

Flora and vegetation surveys were undertaken in the Myara North region over two seasons between June and December 2020, in accordance with Environmental Protection Authority (EPA) guidelines (Mattiske, 2021). The survey report is included as Appendix 2.

No Threatened Ecological Communities were identified within the survey area and none are likely to occur, based on the vegetation associations present. One Priority Ecological Community was identified: granite communities of the northern jarrah forest.

Mattiske (2021) identified a total of 17 threatened flora species listed under State or Commonwealth legislation and 49 priority flora species as either recorded or likely to occur within the survey area. Eight priority flora species and zero threatened flora species were recorded within the survey area.

The geotechnical investigation test locations have been selected to avoid recorded granite vegetation communities and priority flora species by at least 100m. Test locations have been preferentially located within existing cleared/disturbed areas to minimise vegetation disturbance. They have also been located near existing access tracks where possible to minimise disturbance from equipment access.

2.2 Dieback

Dieback surveys have been completed across the Myara North region. A recheck of the dieback status of the geotechnical test locations and access routes were completed in early 2023 and Dieback Management Guidelines prepared for the geotechnical investigation (included as Appendix 3). The test locations are located within both dieback infested and dieback free areas. The geotechnical testing and ongoing groundwater sampling will be conducted in accordance with Alcoa's Dieback Management System and the Alcoa/DEC Working Arrangements.

2.3 Fauna

A detailed and targeted vertebrate fauna survey was completed of the Myra North region over two seasons between June and December 2020, in accordance with EPA guidelines (GHD, 2021). The survey report is included as Appendix 4.

The fauna survey identified 16 conservation significant species as occurring or likely to occur within the region. These include Baudin's, Carnaby and Forest Red-tailed Black Cockatoo species, woylie, quokka and chuditch.

The geotechnical test locations have been selected to avoid recorded black cockatoo nesting and potential nesting trees and other fauna burrows by at least 100m.

2.4 Heritage

The following Aboriginal and historic heritage surveys have been completed over the Myara North region:

- Archae-aus (2021b) Alcoa of Australia Limited Pinjarra Alumina Refinery Revised Proposal Historical Archaeological Assessment Holyoake, Myara North and Pinjarra Alumina Refinery;
- Archae-aus (2021a) Alcoa of Australia Limited Pinjarra Alumina Refinery Revised Proposal Aboriginal Archaeological Heritage Report - Myara North and Holyoake; and
- Archae-aus (2022) Ethnographic Assessment of Alcoa's Proposed Huntly Mine Expansion at Myara North, Western Australia (included as Appendix 5).

Several sites of historic, Aboriginal archaeological and Aboriginal ethnographic sites were identified during these surveys. The geotechnical test locations have been selected to avoid these sites by at least 100m. Access to these heritage sites will be maintained at all times during the geotechnical investigation.

2.5 Forest Access

State Forest 22 is used by the community for:

- Recreation;
- Firewood collection;
- Use of walking and bicycle trails, for example the Munda Bidli trail;
- Access to historic heritage sites, for example the Prisoner of War Camp; and
- Access to country by Noongar people for cultural purposes.

The forest is also accessed by the DBCA and Water Corporation for activities associated with conservation, bushfire management and drinking water protection.

Access to State Forest 22 will be maintained at all times during the geotechnical investigation.

3 Environmental Management Measures

The following management measures will be implemented to address potential environmental impacts from the geotechnical testing and borehole sampling.

3.1 Dieback Management

- Prior to mobilisation to site Alcoa, TTC and subcontractor vehicles and equipment will be clean and free of soil;
- Vehicles and equipment will be cleaned when crossing from dieback infested or uninterpretable areas to dieback free area; and

- Test and borehole locations will be accessed using tracks mapped by the dieback consultant.

3.2 Flora and Vegetation Management

- No clearing of vegetation or flora will be permitted, only pushing down of small shrubs and groundcovers is allowed;
- Large trees and shrubs must be avoided by vehicles and equipment traversing to test or borehole locations. Small shrubs and groundcovers may be pushed over only when there is no alternative cleared access;
- GPS coordinates of test locations are indicative only. Once onsite, the drilling sub-contractor must identify a final location, preferably on existing cleared ground, which avoids trees and large shrubs. Leaf litter should be moved aside;
- Equipment, soil cores, spoil and other tools should be placed on existing cleared ground, however if this is not possible then small shrubs and groundcovers may be pushed over;
- Test holes must be backfilled with excavated material or surrounding topsoil to existing ground level with leaf litter respread. Stockpiles of excavated material must not remain onsite;
- Boreholes must be sealed with bentonite and any excess must be removed offsite for disposal;
- All wastes must be removed from site and disposed of appropriately; and
- Storage of fuel or other hazardous materials will not be permitted onsite.

3.3 Fauna Management

- All excavations will be backfilled prior to leaving site to avoid fauna entrapment.

4 Responsibilities

4.1 Alcoa Construction Coordinator

The Alcoa Construction Coordinator is responsible for:

- Reviewing and approving the TTC Job Safety Analysis Form;
- Coordinating a pre-start briefing with TTC;
- Ensuring incidents are investigated and recorded within Alcoa's incident management system; and

- Advising the Alcoa Environmental Representative of any incidents which relate to non-compliance with this plan or other environmental or heritage incidents.

4.1.1 Alcoa Environmental Representative

The Alcoa Environmental Representative will be responsible for:

- Reviewing the environmental and heritage elements of the TTC JSA;
- Attending the pre-start briefing with TTC to ensure all personnel are aware of the requirements of this plan;
- Monitoring Alcoa and TTC compliance with this plan;
- Investigating incidents relating to non-compliance with this plan or other environmental or heritage incidents; and
- Liaising with the DBCA and Water Corporation regarding the commencement and completion dates of work and other issues which may arise.

4.1.2 TTC Project Manager

The TTC Project Manager is responsible for:

- Defining environmental policies and objectives for this investigation;
- Providing adequate resources, in terms of human, time and financial, to fulfil its environmental responsibilities and ensure compliance with the requirements of this plan;
- Liaising with the Alcoa Construction Manager and TTC Supervisor when managing environmental issues;
- Conducting inspections to ensure TTC and subcontractor compliance with this plan;
- Reviewing the environmental performance of the investigation.

4.1.3 TTC Contractor Responsible Person

The TTC Contractor Responsible Person will be in the field at all times and will be responsible for:

- Preparing a JSA for Alcoa approval prior to commencement of work;
- Attending the pre-start briefing with Alcoa;
- Ensuring TTC and subcontractor employees comply with the requirements of this plan; and
- Reporting any incidents to the Alcoa Construction Manager as soon as possible.

4.1.4 TTC and Subcontractor Employees

All TTC and subcontractor employees will be responsible for

- Complying with all requirements of this EMP; and
- Immediately reporting all environmental incidents, non-compliances and near misses to the TTC Contractor Responsible Person.

5 Monitoring

The Alcoa Environmental Representative will monitor Alcoa personnel and contractor compliance with the requirements of this management plan. Non-compliances will be recorded as incidents in accordance with Section 6 below.

6 Incident Management

All incidents, non-compliances with this plan or other relevant Alcoa procedures, or stakeholder complaints will be recorded as incidents and investigated as part of Alcoa's Environmental Incident Reporting Guidelines. Incidents relevant to the scope of this Environmental Management Plan (EMP) will be reported to DBCA.

7 Stakeholder Consultation

Alcoa has consulted with the following stakeholders regarding the geotechnical investigation:

- DWER;
- Water Corporation; and
- DBCA.

This management plan will be submitted to the DBCA for review and approval as part of the Section 101 CALM Act Licence application.

8 Review

This management plan will be reviewed and updated:

- On receipt of comments from the DBCA as part of the Section 101 CALM Act Licence application assessment;
- Should the scope of the geotechnical investigation change significantly; or
- In the event of an environmental incident during the course of the geotechnical investigation or groundwater monitoring.

9 References

Archae-aus Pty Ltd (Archae-aus) (2021a). Alcoa of Australia Limited Pinjarra Alumina Refinery Revised Proposal Aboriginal Archaeological Heritage Report - Myara North and Holyoake.

Archae-aus (2021b). Alcoa of Australia Limited Pinjarra Alumina Refinery Revised Proposal Historical Archaeological Assessment Holyoake, Myara North and Pinjarra Alumina Refinery.

Archae-aus (2022). Ethnographic Assessment of Alcoa's Proposed Huntly Mine Expansion at Myara North, Western Australia.

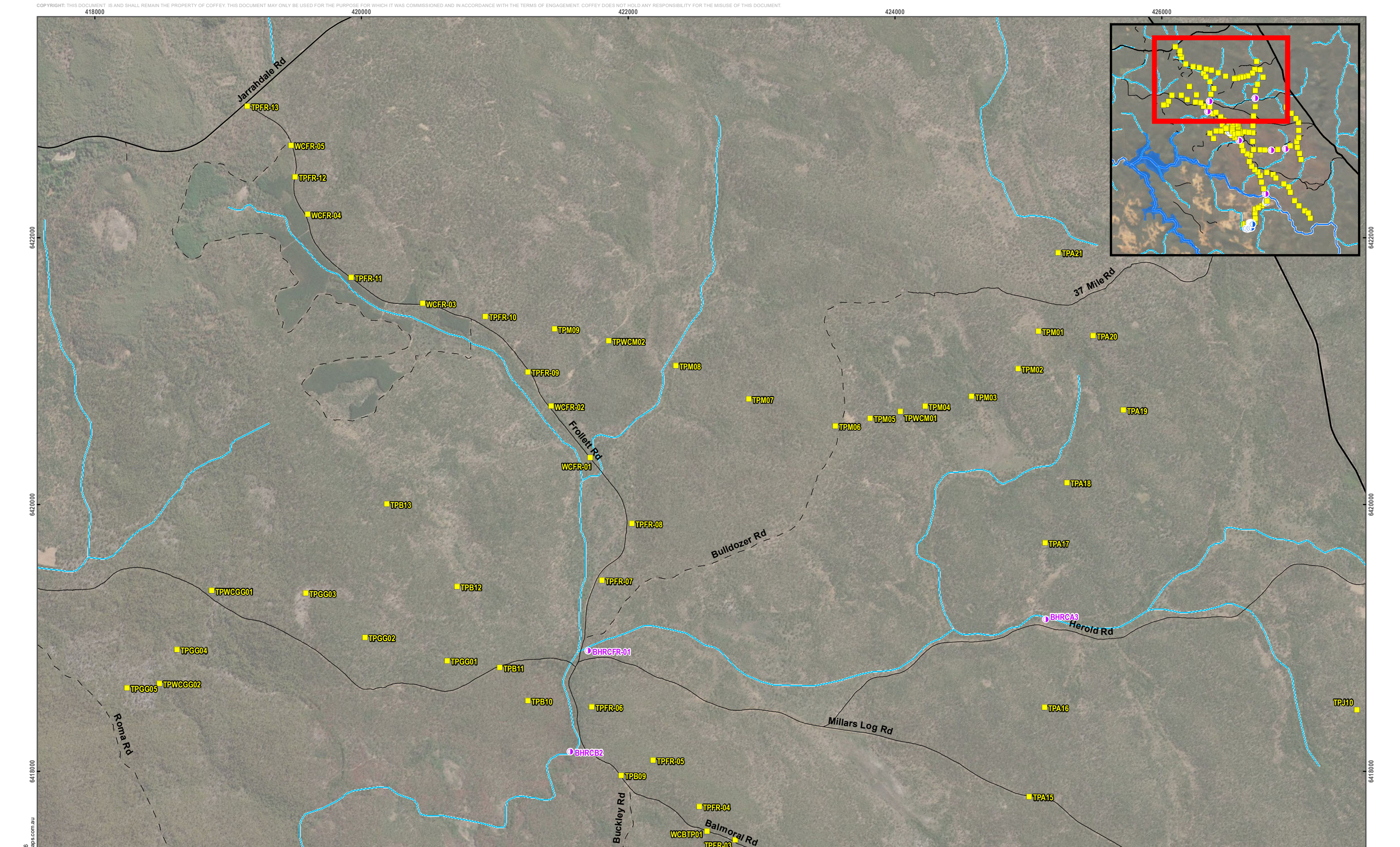
Beard, J.S. (1990). Plant Life of Western Australia, Kangaroo Press, Kenthurst, New South Wales.

GHD (2021). Terrestrial Fauna Survey and Black Cockatoo Habitat Assessment for Huntly Mine - Myara North.

Mattiske Consulting Pty Ltd (Mattiske) (2021). Alcoa of Australia Limited Pinjarra Alumina Refinery Revised Proposal Detailed Flora and Vegetation Survey for Huntly Mine – Myara North.


Appendices

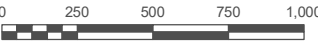
Appendix 1 - Geotechnical Test Locations (GDA94)



no.	description	drawn	approved	date
A	ORIGINAL ISSUE			

- BOREHOLE
- BOREHOLE - RIVER CROSSING
- TEST PIT
- TEST PIT - WATERCROSSING
- PROPOSED NEW TEST LOCATION



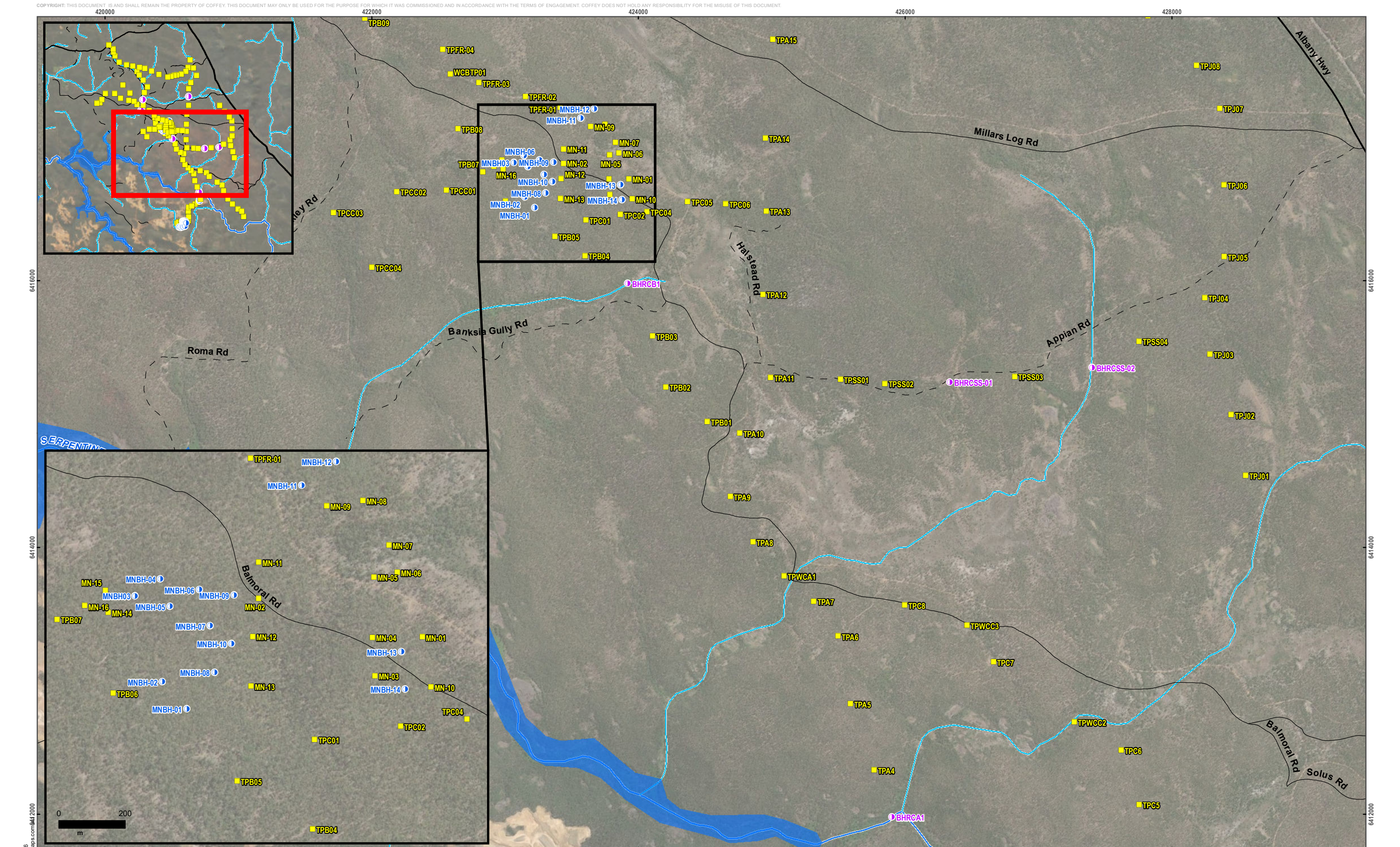


Scale 1:25,000 (A3) METRES

drawn	ENVIRONMAPS
approved	CT
date	5/05/2023
scale	AS SHOWN
original size	A3





client:	ALCOA		
project:	MYARA NORTH GEOTECHNICAL INVESTIGATION		
title:	INVESTIGATION LOCATIONS		
project no:	754-PERGE307537	figure no:	1
rev:	A		



no.	description	drawn	approved	date
A	ORIGINAL ISSUE			

- BOREHOLE
- BOREHOLE - RIVER CROSSING
- TEST PIT
- TEST PIT - WATERCROSSING
- PROPOSED NEW TEST LOCATION





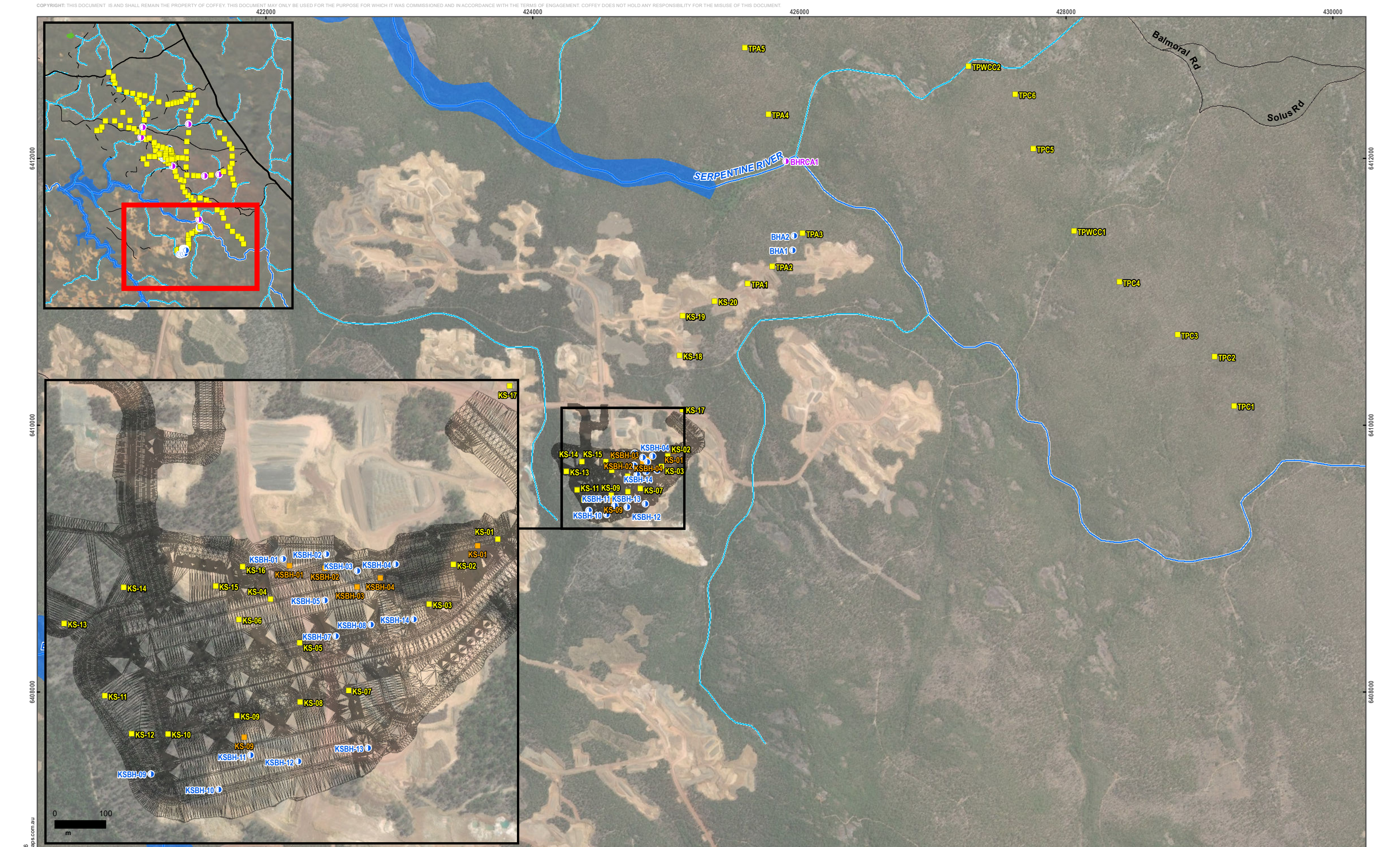
Scale 1:25,000 (A3) METRES

drawn	ENVIRONMAPS
approved	CT
date	5/05/2023
scale	AS SHOWN
original size	A3



client:	ALCOA		
project:	MYARA NORTH GEOTECHNICAL INVESTIGATION		
title:	INVESTIGATION LOCATIONS		
project no:	754-PERGE307537	figure no:	2
		rev:	A

ENVIRONMAPS Environmental Mapping Solutions www.environmaps.com.au 2000



no.	description	drawn	approved	date
A	ORIGINAL ISSUE			

- BOREHOLE
- BOREHOLE - RIVER CROSSING
- TEST PIT
- TEST PIT - WATERCROSSING
- PROPOSED NEW TEST LOCATION
- MODEL LAYOUT

Scale 1:25,000 (A3) METRES

drawn	ENVIRONMAPS
approved	CT
date	5/05/2023
scale	AS SHOWN
original size	A3



client:	ALCOA		
project:	MYARA NORTH GEOTECHNICAL INVESTIGATION		
title:	INVESTIGATION LOCATIONS		
project no:	754-PERGE307537	figure no:	3
		rev:	A

Test ID	Test Type	Easting (mGDA94)	Northing (mGDA94)
TPA1	Test pit	425612.53	6411060.74
TPA2	Test pit	425796.39	6411190.84
BHA1	Borehole	425949.99	6411314.24
BHA2	Borehole	425961.00	6411421.13
TPA3	Test pit	426023.17	6411439.68
KS-09	Test pit	424590.29	6409475.54
KS-10	Test pit	424456.11	6409439.74
KS-11	Test pit	424332.55	6409514.38
KS-12	Test pit	424384.95	6409440.03
KS-13	Test pit	424253.46	6409654.67
KS-14	Test pit	424369.77	6409725.20
KS-15	Test pit	424548.74	6409728.07
KS-17	Test pit	425121.83	6410118.16
KS-18	Test pit	425101.24	6410522.76
KS-19	Test pit	425124.08	6410819.59
KS-20	Test pit	425364.12	6410930.26
TPA4	Test pit	425767.51	6412332.25
TPA5	Test pit	425589.89	6412830.34
TPA6	Test pit	425496.00	6413336.30
TPA7	Test pit	425314.60	6413597.44
TPWCA1	Test pit	425091.12	6413788.06
TPA8	Test pit	424858.04	6414043.37
TPA9	Test pit	424688.74	6414383.86
TPA10	Test pit	424758.42	6414857.36
TPA11	Test pit	424990.13	6415275.34
TPA13	Test pit	424958.29	6416523.02

Test ID	Test Type	Easting (mGDA94)	Northing (mGDA94)
TPA14	Test pit	424950.98	6417069.38
TPA12	Test pit	424932.55	6415897.71
TPA15	Test pit	425006.40	6417809.98
TPA16	Test pit	425122.39	6418479.03
BHRCA3	Borehole	425131.00	6419141.01
TPA17	Test pit	425126.43	6419712.10
TPA21	Test pit	425224.54	6421888.74
TPA18	Test pit	425289.82	6420163.86
TPA19	Test pit	425712.80	6420709.13
TPA20	Test pit	425486.61	6421266.69
TPB01	Test pit	424514.97	6414943.63
TPB02	Test pit	424205.35	6415203.42
TPB03	Test pit	424105.85	6415586.40
BHRCB1	Borehole	423919.31	6415982.02
TPB04	Test pit	423598.72	6416188.06
TPB05	Test pit	423372.98	6416332.12
TPB06	Test pit	423001.19	6416595.45
TPB07	Test pit	422833.14	6416817.03
TPB08	Test pit	422646.49	6417139.10
WCBTP01	Test pit	422589.38	6417551.62
TPB09	Test pit	421947.88	6417968.20
BHRCB2	Borehole	421564.82	6418147.18
TPB10	Test pit	421248.18	6418528.58
TPB11	Test pit	421036.90	6418778.25
TPB12	Test pit	420717.25	6419384.80
TPB13	Test pit	420189.98	6420003.61

Test ID	Test Type	Easting (mGDA94)	Northing (mGDA94)
TPC1	Test pit	429258.86	6410144.99
TPC3	Test pit	428835.05	6410679.37
TPWCC3	Test pit	426462.83	6413418.91
TPC7	Test pit	426661.80	6413142.91
TPC8	Test pit	425995.89	6413569.71
TPC6	Test pit	427617.86	6412481.82
TPWCC2	Test pit	427267.49	6412691.67
TPC5	Test pit	427753.80	6412073.42
TPWCC1	Test pit	428058.91	6411457.32
TPC4	Test pit	428398.73	6411073.72
TPC2	Test pit	429113.11	6410514.25
MNBH-01	Borehole	423221.89	6416548.78
MNBH-02	Borehole	423148.55	6416630.16
MNBH03	Borehole	423066.43	6416888.05
MNBH-04	Borehole	423142.95	6416938.89
MNBH-05	Borehole	423171.55	6416856.12
MNBH-06	Borehole	423259.19	6416906.32
MNBH-07	Borehole	423291.99	6416797.87
MNBH-08	Borehole	423305.51	6416658.67
MNBH-09	Borehole	423363.27	6416890.19
MNBH-10	Borehole	423356.08	6416744.53
MNBH-11	Borehole	423566.76	6417219.44
MNBH-12	Borehole	423670.05	6417290.52
MNBH-13	Borehole	423865.61	6416719.94
MNBH-14	Borehole	423876.93	6416608.76
MN-01	Test pit	423928.02	6416763.91

Test ID	Test Type	Easting (mGDA94)	Northing (mGDA94)
MN-02	Test pit	423437.52	6416879.63
MN-10	Test pit	423953.62	6416614.42
MN-03	Test pit	423786.47	6416647.77
MN-04	Test pit	423778.46	6416762.75
MN-05	Test pit	423782.75	6416943.80
MN-06	Test pit	423853.02	6416957.75
MN-07	Test pit	423828.14	6417039.17
MN-08	Test pit	423749.67	6417173.04
MN-09	Test pit	423641.55	6417156.86
MN-11	Test pit	423437.68	6416988.17
MN-12	Test pit	423419.33	6416765.42
MN-13	Test pit	423414.71	6416616.92
MN-14	Test pit	422986.17	6416837.74
MN-15	Test pit	422977.69	6416904.05
MN-16	Test pit	422916.11	6416858.12
TPFR-01	Test pit	423412.74	6417300.51
TPFR-02	Test pit	423151.89	6417381.95
TPFR-03	Test pit	422802.84	6417485.12
TPFR-04	Test pit	422533.31	6417735.51
TPFR-05	Test pit	422187.06	6418081.22
TPFR-06	Test pit	421727.53	6418481.78
BHRCFR-01	Borehole	421698.38	6418902.63
TPFR-07	Test pit	421802.08	6419430.12
TPFR-08	Test pit	422026.29	6419858.01
TPFR-09	Test pit	421248.81	6420993.19
WCFR-01	Test pit	421713.34	6420352.12

Test ID	Test Type	Easting (mGDA94)	Northing (mGDA94)
WCFR-02	Test pit	421421.38	6420738.04
TPFR-10	Test pit	420929.67	6421410.70
WCFR-03	Test pit	420459.17	6421508.89
TPFR-11	Test pit	419922.87	6421702.50
WCFR-04	Test pit	419596.89	6422175.65
TPFR-12	Test pit	419502.46	6422456.13
WCFR-05	Test pit	419472.00	6422693.00
TPFR-13	Test pit	419145.00	6422987.00
TPJ01	Test pit	428551.96	6414541.23
TPJ02	Test pit	428443.36	6414995.62
TPJ03	Test pit	428284.38	6415449.77
TPJ04	Test pit	428245.28	6415873.07
TPJ05	Test pit	428390.83	6416180.41
TPJ07	Test pit	428358.47	6417293.11
TPJ06	Test pit	428388.48	6416719.52
TPJ08	Test pit	428183.75	6417613.95
TPJ09	Test pit	427820.19	6417987.56
TPJ10	Test pit	427463.13	6418461.80
TPC04	Test pit	424061.74	6416517.73
TPC05	Test pit	424368.49	6416593.56
TPC06	Test pit	424653.23	6416576.31
TPC01	Test pit	423605.29	6416456.36
TPC02	Test pit	423862.96	6416496.29
TPCC01	Test pit	422559.71	6416678.57
TPCC03	Test pit	421712.63	6416511.68
TPCC04	Test pit	422001.76	6416101.57

Test ID	Test Type	Easting (mGDA94)	Northing (mGDA94)
TPCC02	Test pit	422187.48	6416668.77
TPGG01	Test pit	420643.09	6418827.74
TPGG02	Test pit	420026.43	6419003.41
TPGG03	Test pit	419582.06	6419335.84
TPWCGG01	Test pit	418877.14	6419353.78
TPWCGG02	Test pit	418486.21	6418658.33
TPGG04	Test pit	418617.62	6418911.79
TPGG05	Test pit	418242.90	6418624.73
TPM01	Test pit	425076.17	6421299.61
TPM02	Test pit	424922.46	6421018.27
TPM03	Test pit	424574.40	6420810.74
TPM04	Test pit	424226.71	6420736.05
TPWCM01	Test pit	424040.96	6420695.85
TPM05	Test pit	423814.39	6420646.10
TPM06	Test pit	423554.39	6420588.77
TPM07	Test pit	422903.07	6420791.10
TPM08	Test pit	422357.46	6421042.54
TPWCM02	Test pit	421853.78	6421227.60
TPM09	Test pit	421446.48	6421315.75
TPSS01	Test pit	425514.01	6415261.05
TPSS02	Test pit	425847.79	6415229.65
BHRCSS-01	Borehole	426334.91	6415242.17
BHRCSS-02	Borehole	427401.06	6415350.45
TPSS03	Test pit	426820.82	6415281.93
TPSS04	Test pit	427752.69	6415547.03

Appendix 2 - Mattiske Consulting Pty Ltd (2021).
Alcoa of Australia Limited Pinjarra Alumina Refinery
Revised Proposal Detailed Flora and Vegetation Survey
for Huntly Mine – Myara North

Appendix 3 – Glevan Consulting (2023). Dieback Management Guidelines Myara North Geotechnical Investigation

**Appendix 4 - GHD (2021). Terrestrial Fauna Survey
and Black Cockatoo Habitat Assessment for Huntly Mine
- Myara North**

Appendix 5 - Archae-aus Pty Ltd (2022).
Ethnographic Assessment of Alcoa's Proposed Huntly
Mine Expansion at Myara North, Western Australia