MALABAR

MAXWELL UNDERGROUND MINE

HERITAGE MANAGEMENT PLAN

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1 INTRODUCTION

1.1 Background

Maxwell Ventures (Management) Pty Ltd (Maxwell), a wholly owned subsidiary of Malabar Resources Limited (Malabar) owns and operates the Maxwell Underground Mine (the site). The site is located in the Upper Hunter Valley of New South Wales (NSW), east-southeast of Denman and south-southwest of Muswellbrook. The site is approved to extract a maximum of 8 million tonnes of run-of-mine coal per year over a period of 26 years. The site boundary is shown in **Figure 1**.

The site consists of the following areas:

- Underground area comprising the proposed area of underground mining operations and the mine entry area (MEA) to support underground mining and coal handling activities and provide for personnel and materials access;
- Maxwell Infrastructure (formerly Drayton Mine) comprising previous open cut mining areas, existing coal handling and preparation plant (CHPP), train load-out facilities and rail loop, Antiene Rail Spur and other infrastructure and services; and
- Transport and services corridor between the underground area and Maxwell Infrastructure comprising the proposed site access road, covered overland conveyor, power supply and other ancillary infrastructure and services.

The area within and surrounding the site, which has previously been known as Mt Arthur South, Saddlers Creek and Drayton South, has long been identified as having a significant in-situ coal resource. Prospecting for coal commenced in the late 1940's, with exploration intensifying during the 1960's and 1970's. Open cut coal extraction and mining activities commenced at Maxwell Infrastructure in 1983 and ceased in October 2016. The previous open cut mining area is currently in the rehabilitation phase of the mine operations.

The Development Consent for State Significant Development 9526 (SSD 9526) was granted on 22 December 2020 under clause 8A of the *State Environmental Planning Policy* (State and Regional Development) 2011 and section 4.5(a) of the *Environmental Planning and Assessment* (EP&A) *Act 1979*. The development consent was modified on 19 November 2021 (Maxwell MOD1) to allow for the repositioning of infrastructure primarily at the MEA and realignment of a section of the site access road.

The development consent was further modified (Maxwell MOD2) on 19 October 2022 to allow for the following:

- Re-orientation of the longwall panels in the Woodlands Hill, Arrowfield and Bowfield Seams resulting in a minor increase in the approved underground mining extent.
- Reduction in the width of some of the longwall panels in the Woodlands Hill Seam.
- Repositioning of the upcast ventilation shaft site and associated infrastructure.
- Other minor works and ancillary infrastructure components (e.g. access road and ancillary water management infrastructure for the repositioned ventilation shaft site).

Another modification was made to the development consent (Maxwell MOD3) on 22 September 2025 to allow for the transfer of tailings from Mt Arthur Coal to the Maxwell UG Mine East Void, and tailings and coarse rejects from the Maxwell CHPP to the North Void.

The site also incorporates the development formerly authorised under the Maxwell Infrastructure Project Approval (PA) 06_0202. Development Consent DA 106-04-00 for the existing rail loop and Antiene Rail Spur was granted on 2 November 2000 under Section 76(A)9 and 80 of the EP&A Act. DA 106-04-00 was modified on 18 September 2023 (Antiene MOD1) to align with the approved operating life of the Maxwell Underground Mine (i.e. until 2047).

1.2 Purpose and Scope

The purpose of this Heritage Management Plan (HMP) is to detail the statutory requirements and provide a framework for the management of Aboriginal cultural heritage and historic heritage associated with the site and accompanying offset areas. There are no specific requirements regarding the management of Aboriginal cultural heritage or historic heritage within the Antiene Rail Spur Development Consent DA 106-04-00.

In accordance with Schedule 2, Condition B59 of Development Consent SSD 9526, Maxwell will implement this plan following approval by the Planning Secretary. This HMP is one of a series of Environmental Management Plans that together form the Environmental Management System for the site.

The HMP also fulfils the requirement under Schedule 2, Condition C(8)(g)(vi) of Development Consent SSD 9526 for a HMP as part of the Whynot Seam Panels 2-5 Extraction Plan and Woodlands Hill Longwalls 1-4 Extraction Plan. In accordance with Schedule 2, Part C, Condition C9 of SSD 9526, Maxwell will not undertake second workings in the Whynot or Woodlands Hill Seams until the relevant Extraction Plan is approved by the Planning Secretary. Maxwell implements the Extraction Plans as approved by the Planning Secretary and further extraction plans will be prepared to the satisfaction of the Planning Secretary prior to any second workings in the Arrowfield and Bowfield seams.

Separately, Maxwell Solar Pty Ltd (a subsidiary of Malabar) holds Development Consent SSD 9820 for the Maxwell Solar Farm. The Maxwell Solar Farm is a 25 megawatt (MW) solar project located on a rehabilitated overburden emplacement area at the Maxwell Infrastructure. The Maxwell Solar Farm will be constructed and operated as a separate project and will be managed under a separate and distinct environmental management system developed in accordance with Development Consent SSD 9820. This HMP does not apply to any development, activities or environmental impacts associated with the Maxwell Solar Farm.

1.3 Document History

In accordance with Schedule 2, Condition B58 of Development Consent SSD 9526, Maxwell did not commence construction until an Aboriginal Cultural Heritage Management Plan (ACHMP) was approved by the Planning Secretary.

On 22 April 2022 Maxwell gave written notice to the Department of Planning and Environment (now known as the Department of Planning, Housing and Infrastructure [DPHI]) of the date of commencement of construction, in accordance with Condition A13(b), Schedule 2 of Development Consent SSD 9526. Construction of the site commenced in May 2022 and first workings in the Whynot Seam commenced in March 2023.

In May 2024, during the development of the Whynot Seam Panels 2-5 Extraction Plan, the former ACHMP was updated into a single HMP (this plan) to include the management of both Aboriginal and historic heritage items. In February 2025, the HMP was updated for the development of the Woodlands Hill Longwalls 1-4 Extraction Plan.

1.4 Objectives

The objectives of this HMP are to:

- Detail all relevant statutory requirements for the site.
- Provide protocols to protect, monitor and manage Aboriginal objects and places.
- Provide management details for historic heritage items within the site.
- Detail measures to be implemented if any new Aboriginal objects, places or potential human skeletal remains or historic heritage items are found.
- Detail the archaeological salvage program required to mitigate impacts to Aboriginal heritage as part of the conditions of consent prior to the commencement of any ground disturbance.

- Provide a strategy for the care, control and storage of Aboriginal objects salvaged during the life of the mine.
- Provide a protocol for ongoing consultation with the Aboriginal community.
- Provide a protocol for reasonable access to Aboriginal objects and places (outside of the approved disturbance area).
- Detail the Aboriginal cultural heritage and historic heritage training requirements for relevant personnel.
- Detail the procedure for reporting Aboriginal cultural heritage and historic heritage related incidents and non-compliances to relevant stakeholders.
- Manage complaints related to Aboriginal cultural heritage and historic heritage in a timely and effective manner.

2 PLANNING

2.1 Regulatory Requirements

This HMP describes the management of Aboriginal cultural heritage and historic heritage to meet relevant statutory requirements of SSD 9526. The various conditions that relate to the management of Aboriginal cultural and where they are addressed in this document are detailed in **Appendix 2**.

2.1.1 The National Parks and Wildlife (NP&W) Act 1974

The *National Parks and Wildlife* (NP&W) *Act 1974*, administered by the Minister for Energy and Environment and the Special Minister of State, Minister for the Public Service and Employee Relations, Aboriginal Affairs, and the Arts, is the primary legislation for the protection of Aboriginal cultural heritage in NSW. As detailed in Section 4.41 of the EP&A Act, an Aboriginal Heritage Impact Permit under Section 90 of the NP&W Act is not required for SSD's authorised by a development consent granted under Division 4.7 of Part 4. In these cases, Aboriginal cultural heritage is managed in accordance with the conditions of consent which requires the preparation of an HMP.

2.1.2 The NSW Heritage Act 1977

The *Heritage Act 1977* (as amended) was enacted to conserve the environmental heritage of NSW. Under Section 32, places, buildings, works, relics, movable objects or precincts of heritage significance are protected by means of either Interim Heritage Orders (IHO) or by listing on the NSW State Heritage Register (SHR). Items that are assessed as having State heritage significance can be listed on the SHR by the Minister on the recommendation of the NSW Heritage Council.

Under Section 170 of the *Heritage Act 1977*, NSW Government agencies are required to maintain a register of heritage assets. The register places obligations on the agencies, but not on non-government proponents, beyond their responsibility to assess the impact on surrounding heritage items.

Archaeological features and deposits are afforded statutory protection by the 'relics provision'. Section 4(1) of the *Heritage Act 1977* (as amended 2009) defines 'relic' as follows:

> *any deposit, artefact, object or material evidence that:*
> *(a) relates to the settlement of the area that comprises New South Wales, not being Aboriginal settlement, and*
> *(b) is of State or local heritage significance.*

The 'relics provision' requires that no archaeological relics be disturbed or destroyed without prior consent from the Heritage Council of NSW. Therefore, no ground disturbance works may proceed in areas identified as having archaeological potential without first obtaining an Excavation Permit pursuant to Section 140 of the *Heritage Act 1977*, or an Archaeological Exception under Section 139 of the *Heritage Act 1977*. The Heritage Council must be notified of the discovery of a relic under Section 146 of the *Heritage Act 1977.* It is noted that authorisations usually required pursuant to the *Heritage Act 1977* are not required for SSD projects.

2.2 Maxwell EIS and Supporting Document Commitments

Commitments in the Maxwell UG Project Environment Impact Statement (Maxwell EIS) (published on 14 August 2019) and supporting documents that relate to the management of Aboriginal cultural heritage and historic heritage, and where they are addressed in this document are detailed in **Appendix 3**.

A subsidence assessment was undertaken for the Maxwell EIS and included subsidence predictions for proposed underground mining operations including the maximum predicted surface effects for mining.

A further subsidence assessment was undertaken for Maxwell MOD2 (published 23 June 2022). Since MOD2 was approved, the indicative arrangement of the Whynot Seam panels has undergone some minor changes following further mine planning investigations. These changes were assessed and presented as part of the Whynot Seam Panels 2-5 Extraction Plan. A further subsidence assessment was undertaken for the Woodlands Hill Longwalls 1-4 Extraction Plan.

2.3 Preparation and Consultation

Consultation was previously undertaken during the preparation of the former ACHMP. This included endorsement by the Planning Secretary of a suitably qualified and experienced person/s. At the time, Maxwell engaged Geordie Oakes (Principal Heritage Specialist at AECOM Australia Pty Ltd [AECOM]) to assist with the preparation of the ACHMP. In addition, the ACHMP was also prepared in consultation with Registered Aboriginal Parties (RAPs), Aboriginal Affairs NSW and Heritage NSW.

Schedule 2, Part C, Condition C8(a) of SSD 9526, requires that Extraction Plans be prepared by a suitably qualified and experienced person/s whose appointment has been endorsed by the Planning Secretary. Maxwell has engaged the specialists listed in **Table 1** to assist with the preparation of the Whynot Seam Panels 2-5 Extraction Plan, Woodlands Hill Longwalls 1-4 Extraction Plan and associated management plans. A copy of the endorsement by the Planning Secretary is included in **Appendix 4**.

In accordance with Schedule 2, Part B, B57(b) and Part C, Condition C8(g)(vi) of SSD 9526, this HMP has been prepared in consultation with the RAPs, Aboriginal Affairs NSW, Heritage NSW and relevant stakeholders. Outcomes of the consultation are presented in **Appendix 5**. The consultation undertaken with the RAPs is further described in **Section 4.4**.

In accordance with Schedule 2, Part C, Condition C13 of SSD 9526, Maxwell will pay all reasonable costs incurred by the Department to engage a suitably qualified, experienced and independent person/s to review the adequacy of any aspect of an Extraction Plan.

Table 1. Specialist engaged to prepare the Whynot Seam Panels 2-5 and Woodlands Hill Longwall Panels 1-4 Extraction Plans

Specialist	Role
James Barbato - Mine Subsidence Engineering Consultants Pty Ltd (MSEC)	Preparation and/or review of relevant subsidence components, including predictions of subsidence effects and subsidence impacts, Subsidence Monitoring Program, Built Features Management Plan and Land Management Plan
Greg Roads - WRM Water & Environment Pty Ltd	Preparation and/or review of surface water components of the Water Management Plan
Noel Merrick - HydroAlgorithmics Pty Ltd	Preparation and/or review of groundwater components of the Water Management Plan
Dr Colin Driscoll - Hunter ECO	Preparation and/or review of relevant flora and fauna components of the Biodiversity Management Plan

Specialist	Role
Geordie Oakes - AECOM	Preparation and/or review of Aboriginal cultural heritage components of the Heritage Management Plan

3 IMPLEMENTATION

3.1 Aboriginal Cultural Heritage Impacts

An Aboriginal Cultural Heritage Assessment (ACHA) was undertaken as part of the Maxwell EIS for SSD 9526. The ACHA completed for SSD 9526 identified 39 open artefact sites (i.e., isolated artefact or artefact scatters containing Aboriginal objects) that would be wholly or partially disturbed (i.e., direct impact) within the surface development area (shown in **Figure 4**). Following the completion of the ACHA, it was determined that two of these artefact sites (AHIMS sites 37-2-2329 and 37-2-2330) were in fact located within the existing Maxwell Infrastructure Northern Offset area and will not be disturbed. However, two new artefact sites (AHIMS sites 37-2-6042 and 37-2-6041) were identified during an Aboriginal due diligence assessment and will be disturbed by the proposed surface development works. Avoidance of impacts to all previously and newly identified Aboriginal objects within the surface development area was not feasible given the respective locations of these objects in relation to the Maxwell UG Mine. However, potential impacts have been reduced through critical placement of surface infrastructure.

Surface collection of these 39 open artefact sites was completed in July 2021. The results of the surface collection will be documented in the broader Archaeological Salvage Report that will be prepared following completion of all salvage activities for the Mine. Aboriginal Site Impact Records (ASIR) were submitted to Heritage NSW's AHIMS register in 2021.

In August 2021, AECOM completed an ACHA for Maxwell MOD1. Consideration of the location of Aboriginal sites in relation to the proposed Modification indicated a total loss of value for two additional open artefact sites (37-2-4359 and 37-2-0415) that were recommended for surface collection. Surface collection of these sites was completed on 2 March 2022.

In June 2022, AECOM completed an ACHA for Maxwell MOD2. The ACHA found that three Aboriginal sites within the Maxwell MOD2 Study Area would be directly impacted by the proposed Modification, including two open artefact scatter sites that will be wholly impacted (37-2-4294 and 37-2- 4358) and one artefact scatter site will be partially impacted (37-2-0415). Surface collection of the three impacted surface artefact scatters was undertaken in February 2023. A program of open area salvage excavation was completed for the area of high archaeological sensitivity within the additional Surface Development Area. This was undertaken in February and March 2023.

A further 232 Aboriginal objects or places comprising 231 open artefact sites and one stone quarry, are located directly above the underground area (shown in **Figure 4**). In accordance with the ACHA, these artefact sites may potentially be affected by cracking of the surface soils due to the effects of mining-induced subsidence from secondary workings (i.e., indirect impact). Stone quarry sites including AHIMS site 37-2-1954 and the previously recorded location of AHIMS site 37- 2-1955 will not be directly impacted and are not expected to experience any measurable subsidence.

Impacts to Aboriginal objects from underground mining activities of Whynot Seam Panels 2 to 5 is expected to be minimal, with surface cracking as a result of subsidence anticipated to range typically between 10 millimetres (mm) and 30 mm across much of the area where the Aboriginal objects are present, with localised and isolated cracking reaching 50 mm or greater (MSEC 2024). In accordance with the Subsidence Assessment undertaken as part of the Maxwell UG Project EIS, based on experience at similar operations, less than 0.02 percent of the surface area above the underground will be affected by surface cracking (MSEC, 2019). The direct and indirect impacts discussed above have been predicted in the documents/s listed in Schedule 2, Condition A2(c) of SSD 9526.

A Subsidence Assessment was also completed for Panels 1 to 4 in the Woodlands Hill Seam by MSEC (2025) for inclusion in the Woodlands Hill Longwall Panels 1-4 Extraction Plan. The range of surface cracking above Panels 1 to 4 in the Woodlands Hill Seam has been estimated to be typically between 25 mm and 50 mm in approximately 50 per cent of cases (MSEC, 2025). Overall, the MSEC (2025) subsidence assessment found that the predicted subsidence values based on the Extraction Plan Layout are aligned withthepredicted values of the MOD2 layout.

AECOM was commissioned by Maxwell to complete two separate Aboriginal Archaeological Reports (AARs) to support both the Whynot Seam Panels 2-5 Extraction Plan and the Woodlands Hill Longwall Panels 1-4 Extraction Plan. The AARs documented the results of AECOM's assessment of subsidence related impacts to known and potential Aboriginal heritage values within the respective study areas. It was determined that the maximum predicted total subsidence effects for Aboriginal heritage sites based on the proposed Whynot Extraction Plan Layout were less than the maximum predicted values based on the EIS Layout. It was also determined that the Woodlands Hill Extraction Plan Layout was largely the same as the maximum predicted values based on the MOD2 layout. Consequently, impacts to Aboriginal sites from both Extraction Plan layouts were therefore considered consistent with or less than the approved impacts. Management and monitoring requirements detailed in the ARRs were included in this HMP.

A list of all AHIMS sites within the SSD 9526 development application area is provided in **Appendix 6** and shown in **Figure 3**.

3.2 Historic Heritage Impacts

A Historic Heritage Assessment (HHA) was undertaken by Extent Heritage as part of the EIS for SSD 9526. The assessment described the potential impacts of the mine on non-Aboriginal cultural heritage places (i.e. historic heritage sites) within the site and surrounds.

The HHA determined that no historic heritage sites (as shown in **Figure 2**) will be directly disturbed by surface development for the mine. Potential impacts for historic heritage sites are detailed in **Table 2**. An assessment was also undertaken on the potential for subsidence impacts on historic heritage sites. The assessment found negligible impacts on the stockyard (Site M08) which is located a short distance outside the footprint of the proposed underground operations. Consequently, Extent Heritage concluded that the limited heritage values of the stockyard would not be impacted by the mine.

The Muswellbrook-Jerrys Plains Landscape Conservation Area would experience subsidence effects from the site underground mining operations; however, the changes that this would cause to the local topography would not be readily discernible from within the landscape. All other historic heritage sites identified by Extent Heritage are located outside the area of underground mining influence and are predicted to experience negligible ground movements due to the site.

Potential indirect impacts (e.g. impacts to acoustic and visual amenity) to Edderton Homestead (Site M02) and Muswellbrook-Jerrys Plains Landscape Conservation Area have been assessed and are considered to have a very low impact. Other than potential visual treatments (addressed in the Visual Impact Management Plan) at Edderton Homestead, no other specific mitigation measures are considered necessary for these sites. The site would not result in adverse indirect impacts on any other historic heritage site.

Table 2. Summary of potential historic heritage impacts

Site	Potential Impacts
M01 Fence line	Nil – not a heritage place.
M02 Edderton Homestead	Very low.
M03 Bowfield Homestead	Nil.

Site	Potential Impacts
M04 Nissen Hut and Sheep Shower	Nil – not a heritage place.
M05 Arrowfield Cottage	Nil.
M06 Randwick Homestead	Nil.
M07 Woodlands Homestead	Nil.
M08 Stockyard	Nil.
M09 Plashett Homestead	Nil.
M10 Strowan Homestead	Nil.
Muswellbrook-Jerrys Plains Landscape Conservation Area	Very low.
Cumulative Impacts	Very low.

3.3 Performance Measures

This HMP has been developed to manage the potential risks to Aboriginal cultural heritage and historic heritage. In accordance with Schedule 2, Part C Condition C1 of SSD 9526, Maxwell must ensure that the development meets the performance measures in Table 9 of SSD 9526. These performance measures are listed below in **Table 3**.

Table 3. Performance measures for Aboriginal heritage and historic heritage

Feature	Performance Measure
Aboriginal cultural heritage sites shown in Figure 7 in Appendix 4	No greater subsidence impacts or loss of heritage values than predicted in the document/s listed in condition A2(c).
Historic Homesteads identified as 'Historic Heritage Sites' in Figure 9 in Appendix 4	Negligible subsidence impacts or environmental consequences.

3.4 Whynot Panels 2-5 Predicted Subsidence Impacts

The subsidence predictions have been determined by MSEC using the Incremental Profile Method. This method has been calibrated using the available monitoring data from the NSW coalfields. The maximum predicted total subsidence effects due to mining of panels 2 to 5 in the Whynot Seam are (MSEC 2024):

- 250 mm vertical subsidence;
- 5 mm/m tilt (i.e. 0.5 % or 1 in 200);
- 0.3 kilometres (km)-1 hogging and 0.5 km-1 sagging curvature (i.e. minimum radius of curvature of 2 km); and
- strains typically between 3 mm/m and 5 mm/m.

The maximum predicted subsidence based on the Extraction Plan Layout are less than the maximum predicted values based on the Maxwell EIS Layout. The surface area located within the limit of predicted vertical subsidence (i.e. 20 mm subsidence contour) for panels 2 to 5 is 161.3 hectares and it is less than the surface area based on based on the Maxwell EIS Layout.

There are 74 Aboriginal heritage sites identified within 600 metres of Whynot Seam Panels 2 to 5. These sites comprise artefact scatters (55 sites), isolated finds (18 sites) and a stone quarry (1 site)

(MSEC 2024). The stone quarry (Site 37-2-1955) is located outside Panels 2 to 5 at a distance of 575 m from Panel 5 at its closest point (MSEC 2024). It is noted that this stone quarry site was recorded by Mills (2000) but it was not located during AECOM's 2012 and 2018 surveys (AECOM 2024).

MSEC (2024) provides the following subsidence predictions relevant to the stone quarry site (Site 37-2-1955):

> *The maximum predicted total vertical subsidence for the stone quarry site (Site 37-2-1955) is less than 20 mm. The site is located 575 m outside Panels 2 to 5 at its closest point. At this distance, the stone quarry site is not predicted to experience measurable conventional subsidence effects. While the site could experience low-level far-field horizontal movements, it is not expected to experience measurable strains.*

MSEC (2024) provides the following subsidence predictions relevant to the open sites within 600 metres of Whynot Seam Panels 2 to 5:

> *The maximum predicted subsidence effects for the open sites based on the Extraction Plan Layout are less than the maximum predicted values based on the EIS Layout.*

MSEC (2024) provided the following subsidence predictions relevant to historic heritage sites:

> *The historic heritage sites are located at distances greater than 1 km outside Panels 2 to 5. At these distances, these sites are predicted to experience negligible subsidence effects due to the mining of Panels 2 to 5. The potential for mining-induced impacts on these historic heritage sites is therefore considered to be negligible.*

3.5 Woodland Hill Longwall Panels 1-4 Predicted Subsidence Impacts

A total of 90 Aboriginal sites, consisting of 89 open artefact sites and one stone quarry are recognised as being located within the Woodlands Hill Longwall Panels 1-4 Extraction Plan study area. The maximum anticipated vertical subsidence for the study area is 1100 millimetres (mm), which is primarily concentrated above Panels 1 to 4 within the inner study area (based on the 26.5degree angle of draw).

The maximum anticipated conventional strains resulting from the extraction of Panels 1 to 4 in the Woodlands Hill Seam, derived by applying a factor of 10 to the maximum predicted curvatures, are 7 mm/m tensile and 12 mm/m compressive (MSEC, 2025). These maximum strains occur where the depths of cover are shallowest in the western part of the mining area.

The range of surface cracking above Panels 1 to 4 in the Woodlands Hill Seam has been estimated based on the observations from the NSW coalfields for similar mining geometries and at similar depths of cover. The crack widths are estimated to be typically between 25 mm and 50 mm in approximately 50 per cent of cases, between 50 mm and 100 mm in approximately 30 per cent of cases, between 100 mm and 150 mm in approximately 15 per cent of cases and greater than 150 mm in approximately 5 per cent of cases. Multiple cracks resulting in deformations of several hundred millimetres could also occur in some locations (i.e., less than 1 per cent of cases) (MSEC, 2025).

Surface compression heaving and stepping may also occur above Panels 1 to 4 in the Woodlands Hill Seam, with deformation heights generally expected to be less than 100 mm (MSEC, 2025). However, in some areas, vertical shear could exceed 300 mm in height (MSEC, 2025). In addition, sills may partially extend across the corners of the longwalls, leading to localized and irregular movements where the cover depth is shallowest. It is anticipated that localized surface cracking and stepping caused by these sills will generally be less than 50 mm in areas with the shallowest cover (MSEC, 2025).

For quarry site SC-QS-2/Quarry (37-2-1954), the predicted vertical subsidence in areas known to contain higher concentrations of surface artefacts will generally be <20 mm. Higher subsidence levels are predicted for the remaining portions of the site. However, it is noted that potential impacts to any Aboriginal objects present within these areas will be actively managed through monitoring. For open artefact sites maximum vertical subsidence varies between <20 mm to 1000 mm depending on the location of the site.

The maximum predicted total conventional tilt is between 0.5 mm to 19 mm. These elevated tilts are predominantly observed around and within the perimeters of the panels, particularly in regions with greater depths of cover. The maximum predicted conventional curvatures are 0.45 km-1 for hogging and 1.0 km-1 for sagging.

3.6 Risk Assessment

In accordance with DPHI (2022) *Extraction Plan Guideline,* risk assessments were undertaken to consider the environmental risks relevant to the Whynot Seam Panels 2 to 5 Extraction Plan and Woodlands Hill Longwall Panels 1-4 Extraction Plan. The suitably qualified and experienced experts endorsed by the Planning Secretary for the preparation of the Extraction Plans participated in the risk assessment. A number of risk control and management measures were identified during the risk assessments. Maxwell considers all risk control measures and procedures to be feasible to manage all identified risks.

3.7 Management Measures

The following management measures have been prepared to manage impacts to known and potential Aboriginal and historic heritage sites. For Aboriginal heritage, these management measures have been prepared in consultation with RAPs to ensure that the site does not cause any direct or indirect impact on any identified heritage item beyond those predicted in the documents/s listed in Schedule 2, Condition A2(c) of SSD 9526.

There are no specific management measures for historic heritage sites with the exception of desirable screen plantings along the eastern and southern boundary fence line of Edderton Homestead, however this is subject to consultation and agreement with the landowner and/or tenant. The screen planting is addressed in the Visual Impact Management Plan.

3.7.1 Ground Disturbance Permit

Ground disturbance is defined as any activity that will result in disturbance to land, including but not limited to vegetation removal, topsoil stripping, fencing relocation, change to drainage, and disturbance to previously rehabilitated areas.

Prior to ground disturbance occurring within the development application area (including within the surface development area, outside the approved disturbance area and within any offset area), an approved Ground Disturbance Permit (GDP) will be obtained from the Maxwell Environment department in accordance with Maxwell's *Ground Disturbance Permit Procedure*.

The GDP will assess any impacts to Aboriginal or historic heritage sites resulting from the proposed activity and specify any further works or controls required to mitigate any potential unapproved disturbance. Further works or controls will be prepared on a case-by-case basis and may include measures such as additional fencing and signage whilst disturbance works are being undertaken or the installation of sediment fencing to reduce the movement of soil from a disturbed area.

3.7.2 Aboriginal Archaeological Due Diligence Assessment

An Aboriginal archaeological due diligence assessment may be required to identify any Aboriginal heritage constraints prior to a proposed activity occurring. All Aboriginal archaeological due diligence assessments will be prepared in accordance with the *NSW Minerals Industry Due Diligence Code of Practice for the Protection of Aboriginal Objects in NSW 2010* (New South Wales Minerals Council Ltd, 2010). Due diligence inspections will be undertaken by a person with expertise in locating and identifying Aboriginal objects. Recommendations from the Aboriginal archaeological due diligence assessment will be included as conditions under the relevant GDP.

3.7.3 Archaeological Salvage for Aboriginal Heritage

Archaeological salvage programs were required as part of the three development consents issued for the site. These programs have been summarised in **Table 4** below. With the exception of open area excavations of site 37-2-0004 and 37-2-0505 (required as part of SSD 9526), all salvage activities have been completed. Details for the open area excavations required for SSD 9526 are provided in **Section 3.7.3.1**.

Table 4: Salvage requirements

Approval	Date	Requirement	Status
SSD 9526	22/12/2020	Surface collection of 39 open artefact sites	Completed (July 2021)
		Open area excavation of site 37-2-0004 and 37-2-0505	Not yet complete
SSD 9526 (MOD1)	19/11/2021	Surface collection of 37-2-4359 and 37-2-0415	Completed (2 March 2022)
SSD 9526 (MOD2)	19/10/2022	Surface collection of 37-2-4294, 37-2-4358 and 37-2-0415	Completed (6 February 2023)
		Salvage excavation within ventilation shaft site	Completed (February and March 2023)
SSD 9526 (MOD 3)	22/09/2025	Nil	Not applicable

3.7.3.1 Open Area Excavations (37-2-004 and 37-2-0505)

Based on the subsurface potential of AHIMS sites 37-2-0004 and 37-2-0505 up to 100 m² of open area excavation will be undertaken within these sites. The extent of the open plan excavation will be driven by observed lithic distributions and the presence/absence of inset archaeological features such as raw material deposits, hearths and heat treatment pits. This will be undertaken in consultation with RAPs in the field.

The placement of the open area excavation will be guided by a program of test excavation with a series of 1 square metre (m²) pits generally placed on a 20-metre grid within the portion of the site boundaries impacted by the site. The exact placement of pits will be discussed with RAPs in the field. The indicative test pit locations are shown in **Figure 6**. The open area excavation will be centred on one or more locations where higher counts of artefacts, archaeological features, or the test pit with high richness values are intercepted (i.e., triggers for excavation).

Open area excavation will be undertaken in accordance with the following procedure:

- A suitably qualified archaeologist and RAPs will be engaged to complete the excavations.
- All excavation will be carried out manually using trowels, shovels and mattocks.
- Test excavation will proceed in 1 m² units placed on a 20-metre grid across the impacted portion of the site.
- Open area excavation will proceed in 1 m² units, each of which will be assigned an alphanumeric identifier.
- All excavation units will be excavated in 10-centimetre splits down to the base of the identified A2 soil horizon.
- Photographic and scale-drawn records of representative soil profiles will be made.
- If specific archaeological features (e.g. hearths or heat treatment pits) are identified, the entire feature will be excavated and recorded prior to the continuation of excavation.
- Features will be photographed and scale plans drawn.

- Where encountered, charcoal deemed suitable for radiocarbon dating will be collected using best practice guidelines (e.g., Burke and Smith 2004).
- Soil samples will be retained for pH testing and soil description.
- Soil samples for optical stimulated luminescence dating will be collected from selected strata using best practice guidelines (e.g., United States Geological Survey 2015).
- All excavated soils will be either dry-sieved through a 5 millimetre gauge sieve or wet sieved through a 3 millimetre gauge sieve.
- Artefact counts would be reviewed throughout each day of excavation and used to guide the excavations.
- Artefacts recovered from sieving will be retained in plastic zip-lock bags and labelled with appropriate provenance data.

The overarching objectives of the salvage program are to:

- To record and collect all visible surface Aboriginal objects impacted by the site.
- Salvage a representative and statistically viable subsurface assemblage from subsurface salvaged sites including AHIMS sites 37-2-0004 and 37-2-0505 and the area of archaeological sensitivity impacted by the ventilation shaft and access track.
- To undertake post-excavation analyses of salvaged sites that will produce and conserve knowledge of past Aboriginal occupation.

A suitably qualified geomorphologist will be engaged to undertake a geomorphological assessment of excavated soils and soil profiles within excavation areas. The engaged geomorphologist will provide a stand-alone report detailing the results of their assessment. This assessment will involve the following:

- A desktop review of existing soil data and historic aerial photographs for the sites.
- A visual inspection of excavated soils and soil profiles during the salvage excavation.
- Characterisation of extant soils and soil profiles using standard sedimentological techniques and terminology.

All stone Aboriginal objects recovered during the salvage program will be subject to detailed technological analysis by a qualified lithics specialist with RAPs given the opportunity view the Aboriginal objects and discuss the results of the analysis with the specialist. Contact details for the trained lithics specialist will be provided to all RAPs. Artefacts will be analysed to a level comparable to that achieved in previous analyses of excavated lithic assemblages in the Hunter Valley, so as to facilitate a rigorous and meaningful comparative analysis of intra-regional assemblage composition.

The following general research questions will be used to guide the post-excavation analysis component of the salvage program:

- When and how were the sites being utilised by Aboriginal people?
- Are any sources of silcrete/tuff are located within proximity to sites 37-2- 0004 and 37-2-0505?
- Are there naturally occurring deposits of silcrete/tuff gravels present associated with Saddlers Creek? If so, is there any evidence of quarrying of these materials by Aboriginal people?
- If there is evidence of quarrying, how does that compare to other quarry sites in the Upper Hunter?
- What, if any, evidence exists to indicate that Aboriginal people were deliberately heat treating stone at the sites?
- What types of tools were being produced?
- What raw materials are being utilised and where are they being obtained/quarried?
- What technological and/or typological similarities/differences are apparent between the excavated stone artefact assemblages recovered from these sites and those from other local and sub-regional contexts?
- What are the broader archaeological and cultural contexts of salvaged sites?

A report detailing the results of the archaeological salvage program undertaken (including the results of any post-excavation analyses) will be completed within one year of the fieldwork component of the program. ASIR forms for all salvaged sites will be submitted to Heritage NSW at the completion of the salvage program.

Reporting will be consistent with the best practice guidelines suggested by the *Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW* (NSW Department of Environment Climate Change & Water [DECCW] 2010a) and the *Aboriginal Cultural Heritage Standards & Guidelines Kit* (NSW National Parks and Wildlife Service [NPWS] 1997). Copies of the final salvage report will be provided to all RAPs and Heritage NSW within 14 days of completion.

3.7.3.2 Additional Archaeological Salvage

Additionally, in accordance with the ACHA recommendations, if subsidence monitoring indicates significant impacts have occurred to the ground surface within the boundary of a known Aboriginal object/s, including instances where soil remediation is required, archaeological salvage of the impacted Aboriginal object/s will be undertaken. The management measures required for each AHIMS site is detailed in **Appendix 6**.

Should additional open area excavations be required these would be undertaken generally in accordance with the process outlined in **Section 3.7.3.1**. Should additional surface collection be required this would be undertaken in accordance with the process outlined in **Section 3.7.3.3**.

3.7.3.3 Surface Collection

The objective of the surface collection component of a salvage program is to systematically record and recover all visible Aboriginal objects (i.e., surface artefacts). Surface collection will be undertaken in accordance with the following procedure:

- A suitably qualified archaeologist and RAPs will be engaged to complete the salvage.
- Surface artefacts will be flagged in situ.
- The locations of flagged artefacts will be appropriately recorded.
- Flagged artefacts will be numbered and collected into a bag labelled with the site number, date and collection details.
- Artefacts will be retained for recording purposes and report preparation.
- Basic attributes of collected artefacts will be recorded including, but not limited to, raw material, technological type, implement type, weight and maximum dimension.
- Some artefacts may be subject to further analysis such as use-wear and residue analysis. This will be discussed with RAPs in the field.

3.7.4 Care, Control and Storage of Aboriginal Objects

Salvaged Aboriginal objects will be moved as soon as practicable to the temporary storage location. The temporary storage location is a locked and fire-proof room within the main administration building at the Maxwell Infrastructure site. The site coordinates for the temporary storage location are provided below in **Table 5**. Access to the temporary storage location is managed by the Maxwell Environment department and is further discussed in **Section 3.7.10**.

All Aboriginal objects will be labelled and contained within a waterproof storage container. All aboriginal objects salvaged as part of the excavation program will be curated in an appropriate manner, as determined through consultations with RAPs, Heritage NSW and the DPHI.

A long-term management strategy has not yet been established by Maxwell or the RAPs. As such, salvaged Aboriginal objects will remain in the temporary storage location until a decision is made. Any decisions regarding the long-term management of Aboriginal objects will be made in consultation with RAPs and Heritage NSW. A long-term management strategy will be prepared prior to mine closure.

Temporary off-site storage of salvaged objects will be allowed for the purposes of analysis and recording. A display cabinet may be established at reception for some salvaged objects. This would be undertaken in consultation with RAP's.

Table 5. Temporary storage location details

Location	Easting (GDA 94 Zone 56)	Northing (GDA 94 Zone 56)
Room number 8	305074	6420000

3.7.5 Previously Unrecorded Aboriginal Objects and Places

Previously unrecorded Aboriginal objects and places identified within the SSD 9526 development application area (including within the surface development area, outside the approved disturbance area and within any offset area), throughout the life of the mine, will be managed in accordance with the protocol detailed below. Management actions will vary according to the type of site identified, its significance and the nature of potential impacts. The unanticipated finds protocol should include the following steps if an Aboriginal site is identified or harmed:

1. All works will cease immediately and the area will be secured to avoid further harm.
2. Notification will be made to the Environment, Community and Approvals Manager.
3. A suitably qualified archaeologist and one or more RAPs will be engaged to determine the nature, extent and significance of the find and provide appropriate management advice.
4. Should it be determined that the object is Aboriginal, it will be registered on the AHIMS database as soon as practicable.
5. Details of any new site will be added to the Maxwell Aboriginal Heritage Database and also to **Figure 3** and **Appendix 6** of the ACHMP once it has been registered on the AHIMS database.

The following management will apply for previously unrecorded Aboriginal objects and places identified within the approved disturbance area. In developing these management actions, it is recognised that all Aboriginal sites are considered of high cultural significance to Aboriginal people. Accordingly, RAPs would be engaged or consulted with to participate in the management of all previously unrecorded Aboriginal sites.

a. Open artefact sites (which includes both isolate artefacts and artefact scatters) subject to impacts or disturbance would be managed in the following way:
    - Sites assessed of low scientific significance will be subject to surface collection in accordance with **Section 3.7.3.3**. A suitably qualified archaeologist and RAPs will be engaged to complete the surface collection.
    - Sites assessed of moderate scientific significance will be subject to surface collection and other forms of mitigation (i.e., detailed recording, test or open area excavation) in accordance with **Section 3.7.3.1**. The extent of other forms of mitigation would be determined through consultation between Maxwell, RAPs and an appropriately qualified archaeologist.
    - Management of sites assessed of high scientific significance will be determined through consultation between Maxwell, RAPs and a suitably qualified archaeologist.

b. Scarred trees subject to impacts or disturbance would be managed through discussions between Heritage NSW, Maxwell, RAPs and a suitably qualified archaeologist and may include removal and relocation.

c. Grinding grooves identified within the site and subject to impacts or disturbance would be managed through discussions between Heritage NSW, Maxwell, RAPs and a suitably qualified archaeologist and may include removal and relocation.

d. Other sites (i.e. stone quarries, ochre quarries, stone arrangements, engravings) identified within the site and subject to impacts or disturbance would be managed through discussions between Maxwell, RAPs and a suitably qualified archaeologist.

Previously unrecorded Aboriginal objects and places identified within the development application area but not within the approved disturbance area will be managed in accordance with **Section 3.3** of this HMP.

A record of the find and management completed will be included in the Annual Review. Aboriginal archaeological evidence identified within the development application area that will not be impacted or disturbed will be managed in accordance with **Section 3.7.7.**

3.7.6 Management of Subsidence Impacts

Underground mining includes both first and secondary workings. The first workings comprise a network of access roadways (i.e., drifts and main headings) that will be designed to remain stable for the life of the mine (i.e., no subsidence). The secondary workings are associated with the partial pillar extraction and longwalls which will result in subsidence that develops predominately above the area of secondary extraction. The subsidence assessment completed for the Maxwell EIS suggests that based on the previous longwall mining experience in NSW, surface cracking in the flatter areas above the proposed mining areas is expected to be typically between 25 millimetres (mm) and 50 mm, with some isolated cracking around 100 mm or greater. Surface cracking along the steep slopes is expected to be typically in the order of 50 mm to 100 mm, with isolated cracking around 200 mm or greater.

Surface cracking within the boundary of an existing open artefact site, resulting from subsidence, has the potential to displace soils, including archaeological deposits, and move Aboriginal objects. Moreover, if remediation of the surface is required after mining, these works could potentially impact any Aboriginal objects on the surface.

Subsidence from underground mining operations cannot be prevented however the following mitigation measures, prepared in consultation with RAPs, would be implemented so that there is no greater subsidence impacts or loss of heritage values other than what was predicted in Schedule 2, Condition A2(c) of SSD 9526:

- Subsidence monitoring will be conducted in accordance with the process outlined in **Section 5.1**.
- Where subsidence-related impacts, such as surface cracking, are identified within the boundary of an existing Aboriginal object or place of moderate (or high) scientific significance, or where remediation works (i.e., reshaping, recontouring and revegetation of the land surface) are required to address subsidence impacts, the Aboriginal object or place would be inspected by a suitably qualified archaeologist and a RAP Representative to determine the nature and extent of impacts, and whether mitigation is required.
- Mitigation measures for subsidence may include further monitoring, surface collection or open area salvage excavation completed in accordance with the general process outlined in **Section 3.7.3.**

Stone quarry AHIMS site 3-37-2-1954 and the previously recorded location of stone quarry AHIMS site 37- 2-1955) may be indirectly impacted by subsidence. Management of AHIMS site 3-37-2-1954 is detailed in the ACHA prepared as part of the Maxwell EIS for SSD 9526 and includes monitoring (as described in **Section 5.1**) and if impacted, salvage excavation. No management is proposed for AHIMS site 37- 2-1955 as it was unable to be relocated.

3.7.7 Conservation of Non-Impacted Aboriginal Objects and Places

In accordance with the ACHA prepared as part of the Maxwell EIS for SSD 9526, all Aboriginal objects and places within the development application area that will not be impacted (directly or indirectly) by SSD 9526 will be conserved in-situ.

Boundary fencing will be installed along the southern portion of the transport and services corridor and surrounding the mine entry area to restrict any unauthorised access once the permanent road and facilities are constructed. Temporary fencing will be used prior to this. All relevant employees and

contractors will be made aware of the nature and location of sites as well as their legal obligations with respect to them. Non-impacted Aboriginal objects and places will be identified on all relevant site plans.

Due to the number of Aboriginal objects and places to remain in-situ, fencing and signage around individual Aboriginal objects and places is not considered practical and was not requested by the RAPs during the development of the ACHA or the previous ACHMP. Aboriginal objects and places at the Maxwell Infrastructure site that were fenced for conservation under preceding PA 06_0202 will continue to remain fenced. A list of these sites and sites that were salvaged under PA 06_0202 are provided in **Appendix 7**.

3.7.8 Aboriginal Objects and Places Outside the Disturbance Boundary

A check of the Maxwell Aboriginal Heritage Database and the AHIMS register will be undertaken prior to any disturbance outside of the approved disturbance area (identified in accordance with Schedule 2, Part A, Condition A12 of SSD 9526). If there are known Aboriginal objects or places within the area to be disturbed, an Aboriginal archaeological due diligence assessment will be undertaken. If impacts to a site in this area cannot be avoided, an Aboriginal Heritage Impact Permit (AHIP) will be prepared and submitted to Heritage NSW.

3.7.9 Management of Potential Human Remains

In the event that potential human skeletal remains are identified, the following standard procedure (New South Wales Police Force 2015; NSW Health 2013) will be followed:

1. All work surrounding the area will cease immediately.
2. The location will be secured - work can continue outside of the surrounding area as long as there is no risk of interference to the remains or the assessment of the remains.
3. Where it is reasonably obvious from the remains that they are human, the Environment, Community and Approvals Manager (or a delegate) will immediately notify the NSW Police and Heritage NSW by telephone.
4. Where uncertainty over the origin (i.e. human or non-human) of the remains exists, a physical or forensic anthropologist will be commissioned to inspect the exposed remains in situ and make a determination of origin, ancestry (Aboriginal or non-Aboriginal) and antiquity (pre-contact, historic or modern).
5. If the remains are identified as modern and human, the NSW Police will be notified.
6. If the remains are identified as pre-contact or historic Aboriginal, Heritage NSW and RAPs will be notified.
7. If the remains are identified as historic (non-Aboriginal), Heritage NSW will be notified.
8. Where impacts to exposed Aboriginal skeletal remains cannot be avoided, an appropriate management mitigation strategy will be developed in consultation with Heritage NSW and RAPs.
9. Work will not recommence in the area until authorised by NSW Police Force and Heritage NSW.

An Aboriginal community representative will be present where it is reasonably suspected burials or human remains may be encountered. If human remains are unexpectedly encountered and they are thought to be Aboriginal, the Aboriginal community will be notified.

Recording of Aboriginal ancestral remains must be undertaken by, or be conducted under the direct supervision of, a specialist physical anthropologist or other suitably qualified person.

Archaeological reporting of Aboriginal ancestral remains will be undertaken by, or reviewed by, a specialist physical anthropologist or other suitably qualified person, with the intent of using respectful and appropriate language and treating the ancestral remains as the remains of Aboriginal people rather than as scientific specimens.

3.7.10 Reasonable Access

Members of the Aboriginal community may wish to access Aboriginal objects or places (outside of the approved disturbance area) or visit the temporary storage location for cultural purposes. Maxwell is

committed to maintaining reasonable access to Aboriginal objects and Aboriginal places (outside of the approved disturbance area) that is consistent with workplace health and safety requirements. Access will be subject to relevant operational and safety considerations.

A request for access can be made in writing to the Maxwell Land and Property Coordinator at Private Mail Bag 9, Muswellbrook NSW 2333 or by emailing info@malabarresources.com.au. Alternatively, if a written request is unable to be made, contact can be made by phone by calling (02) 6542 0283. The request for access should be made at least five days in advance and include the following information:

- The proposed time and date of the visit.
- The purpose of the visit.
- The area of interest.
- The name of all persons proposed to take part in the visit.

3.7.11 Triggers for Remedial Action and Contingency Plan

Triggers for responses (remedial actions) to address risks to Aboriginal cultural heritage and historic heritage from secondary workings in the Whynot Seam Panels 2 to 5 and Woodlands Hill Longwall Panels 1- 4 are summarised in **Table 6**. The Condition Red triggers represent the scenario where performance measures are not met and the responses for Condition Red represent the contingency plan.

Table 6. Triggers and remedial actions for potential risks

Performance Indicator		Condition Green (Performance Criteria)	Condition Amber	Condition Red – Performance Criteria Not Met
Subsidence	Trigger	Subsidence impacts less than modelled predictions	Subsidence impacts approaching modelled predictions and or performance measure is likely to be exceeded.	Subsidence impacts greater than modelled predictions and or performance measure has been exceeded.
	Response	No response required.	Engage specialists to review subsidence predictions and heritage impacts. Update management plan (if required) in consultation with relevant agencies and RAP's.	Engage specialists to conduct investigation: • review subsidence predictions and actual impacts; • identify contributing factors; and • identify recommendations to minimise impacts and or remediation. Prepare remedial plan with contingency measures. Update management plan in consultation with relevant agencies and RAP's.

4 ABORIGINAL COMMUNITY ENGAGEMENT

4.1 Principles of RAP Engagement

Maxwell recognises the importance of cultural protocols in the engagement of RAPs and more broadly the Aboriginal community. As such, Maxwell has adopted the principals outlined in the Australian Heritage Commission's guidelines *Ask First: A guide to respecting Indigenous heritage places and values* (Australian Heritage Commission, 2002). These principals require that all parties concerned with identifying, conserving and managing Aboriginal heritage should acknowledge, accept and act on the principles that Aboriginal people:

- Are the primary source of information on the value of their heritage and how this is best conserved;
- Must have an active role in any Aboriginal heritage planning process;
- Must have input into primary decision-making in relation to Aboriginal heritage so they can continue to fulfil their obligations towards this heritage; and
- Have a right to retain control of their cultural knowledge, including intellectual property and other information relating specifically to their heritage.

4.2 Welcome to Country and Acknowledging Traditional Owners

A Welcome to Country is a formal welcome to Aboriginal land given by an Elder or person from the Country the meeting or event is taking place on. It is commonly in the form of a short speech, but also may include a performance. An Acknowledgement of Country can be given by an Indigenous or non-Indigenous person and is a way of paying respect to the Traditional Owners of the Country the meeting or event is taking place on.

Welcome to Country and Acknowledgement of Country are important practices because they continue the longstanding tradition of formally recognising Aboriginal and Torres Strait Islander traditional ownership and connection to Country (NTSCORP Limited, 2013). Maxwell proposes that any meetings and events associated with the preparation of this HMP, and with the ongoing management of Aboriginal objects and places associated with this HMP, begin with the opportunity for an Elder or Traditional Owner to undertake a Welcome to Country and/or Acknowledgement of Country.

4.3 Assessment Consultation

Consultation with RAPs during completion of the ACHA for the Maxwell EIS was undertaken in accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* (DECCW 2010b). A total of 28 Aboriginal parties registered their interest. These parties are listed in **Table 7**.

Table 7. Registered Aboriginal Parties involved during the ACHA

Group Name
Didge Ngunawal Clan (DNC)
Wanaruah Local Aboriginal Land Council (WLALC)
Aboriginal Native Title Elders Consultants
Divine Diggers
Wallagan Cultural Services
Culturally Aware
ELM Corp
Wattaka Wonnarua Cultural Consultancy Services
Ungooroo Aboriginal Corporation

Group Name
Tocomwall Pty Ltd/ Scott Franks and Anor on behalf of the Plains Clans of the Wonnarua People (PCWP)
AGA Services
Cacatua
Hunter Valley Aboriginal Corporation
Lower Hunter Wonnarua Cultural Services
Murra Bidgee Mullangari
Ungooroo culture & community service (UCCS)
Gidawaa Walang Cultural Heritage Consultancy
Yinarr Cultural Services
Merrigarn
Muragadi
Wailwan Aboriginal Digging Group
Amanda Hickey Cultural Services (AHCS)
A1 Indigenous Services
Widescope
Kauwul Wonn1
Gomeroy Cultural Consultants
Aliera French Trading
Wonnarua Elders Council

4.4 HMP Consultation

The draft HMP was distributed to all RAPs (via email with the exception of one RAP who was sent a hard copy by post) listed in **Table 7** in February 2025, for consultation and comment. RAPs were provided with a minimum 28-day period to provide comments on the plan. A copy of the RAPs correspondence including written responses and the outcome is provided in **Appendix 5**.

4.5 Ongoing RAP Consultation

Notification will be provided in writing to RAPs in the following instances:

- There are significant changes to approved operations at the site resulting in potential implications for Aboriginal heritage management.
- There is a discovery of a significant Aboriginal site (e.g. burial, grinding groove or scarred tree in accordance with the process described in **Section 3.7.5**).
- There is an opportunity to participate in Aboriginal archaeological survey or salvage works.
- There are discussions regarding the long-term management of Aboriginal heritage items at the site.

5 MEASUREMENT AND EVALUATION

5.1 Subsidence Monitoring

Subsidence monitoring will be undertaken during and post-secondary workings to measure the subsidence impacts or loss of heritage values against predictions in the document/s listed in condition Schedule 2, Part A, Condition A2(c) of SSD 9526. Monitoring will also be undertaken to determine if any

Aboriginal archaeological sites have or will be impacted above the underground mining area. A summary of the monitoring will be provided in the Annual Review.

Monitoring during secondary workings will consist of the following:

- Monthly visual inspections of Aboriginal objects/sites at high or moderate impact risk (see Appendix 6) when secondary extraction is approaching within 100 metres and continuing until at least 200 metres past that point.
- Records of the nature, location and extent of all subsidence-related surface impacts and a photo of any detected damage.

Monitoring post-secondary workings will consist of the following:

- Visual inspections of potentially affected objects/sites once secondary extraction has retreated at least 500 metres past that point.
- Records of the nature, location and extent of all subsidence-related surface impacts and a photo of any detected damage.

Where subsidence-related impacts are identified within the boundary of an existing object/site, or where remediation works are required to address subsidence impacts, the following will be undertaken:

- An inspection will be undertaken by a suitably qualified archaeologist and RAP representative to determine the nature and extent of impacts, and whether mitigation (which may include further monitoring, surface collection or open area salvage excavation) is required.
- If subsidence monitoring identifies cracking, erosion or any other subsidence related effects that would damage an Aboriginal object/site, the object/site will be salvaged in accordance with procedures outlined within the HMP.
- If an object/site will be impacted by surface remediation activities, it will be salvaged in accordance with procedures outlined within the HMP.
- ASIR cards will be prepared and submitted to the AHIMS database for all impacted/salvaged sites.

5.2 Three Yearly Inspections

An inspection of the Aboriginal archaeological sites surrounding the CHPP and train loading facility that were conserved under preceding PA 06_0202 and stone quarry AHIMS site 37-2-1954 and the previously recorded location of stone quarry AHIMS site 37- 2-1955, will be undertaken every three years. The inspection will also check that the boundary fence/temporary fencing installed along the southern portion of the transport and services corridor and mine entry area to restrict any unauthorised access is adequate and functional. The inspection will be completed by a suitably qualified archaeologist and a RAP representative and include a review of the condition of the sites, potential impacts and condition of any associated fencing and signage. Results will be documented in a short conditions report and reported in the Annual Review.

5.3 Heritage Database and AHIMS Register

A comprehensive Aboriginal Heritage Database has been developed for the site. The database includes as a minimum the name, type, size (where applicable), status and coordinates of all known Aboriginal objects and places on the site and within any offset area. The database will be reviewed on a regular basis and updated as required. Printed site lists and maps will be made available to RAPs upon request.

In accordance with Schedule 2, Condition B56 of SSD 9526, Aboriginal objects and places on the site and within any offset area will be properly recorded and kept up to date in the AHIMS Register.

5.4 Incidents, Non-Compliances and Exceedances

An incident is defined in SSD 9526 as an occurrence or set of circumstances that causes or threatens to cause material harm and which may or may not be or cause a non-compliance.

In accordance with Schedule 2, Part E, Condition E9 of SSD 9526 and Schedule 2, Part B, Condition C5 of DA 106-04-00, Maxwell must notify the Department within 24 hours of becoming aware of an incident. The notification must be made via the NSW planning portal (Major Projects) and address details of the incident including:

(a) date, time and location;

(b) a brief description of what occurred and why it has been classified as an incident;

(c) a description of what immediate steps were taken in relation to the incident; and

(d) identifying a contact person for further communication regarding the incident.

The Applicant must provide the Department with a subsequent incident report in accordance with Appendix 7 (Incident Notification and Reporting Requirements).

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Notification of any such incident is also to be provided to Heritage NSW via email to: heritagemailbox@environment.nsw.gov.au.

In accordance with Schedule 2, Part E, Condition E10 of SSD 9526 and Schedule 2, Part B, Condition C6 of DA 106-04-00, Maxwell shall notify DPHI within seven days of becoming aware of a non-compliance. The notification shall be in writing via the Department's Major Projects Website and identify the development (including the development application number and name), set out the condition of SSD 9526 that the site is non-compliant with, why it does not comply and the reasons for the non-compliance (if known) and what actions have been, or will be, undertaken, and when, to address the non-compliance. A non-compliance which has been notified as an incident does not need to also be notified as a non-compliance.

The following protocol will be implemented to manage any incidents, non-compliances and exceedances of performance criteria related to Aboriginal heritage or historic heritage:

1. All works will cease immediately (where required), and the area will be secured to avoid further harm.
2. Notification will be made to the Environment, Community and Approvals Manager.
3. For Aboriginal cultural heritage incidents, non-compliances and exceedances of performance criteria, a suitably qualified archaeologist and one or more RAPs will be engaged (if required) to determine the nature and extent of any impacts and whether remedial and or mitigation work is required (i.e., salvage, excavation or installation of additional fencing).
4. Any relevant permits will be prepared prior to undertaking any remedial and or mitigation works.
5. The management of potential human remains will be managed in accordance with **Section 3.6.9**.
6. Previously unrecorded Aboriginal objects and places will be managed in accordance with **Section 3.6.5**.
7. A final report will be provided to RAP's (if relevant), DPHI and any other relevant agencies once the mitigation work is completed.

A non-compliance which has been notified as an incident does not need to also be notified as a non-compliance.

5.5 Adaptive Management and Contingency

In accordance with Schedule 2, Condition E4 of SSD 9526 and Schedule 2, Part C, Condition C2 of DA 106-04-00, where any exceedance of performance measures has occurred (i.e., an unauthorised impact

to an Aboriginal object or Aboriginal Place, impact to a historic heritage site or a direct or indirect impact beyond those predicted in the documents/s listed in Schedule 2, Condition A2(c) of the development consent), Maxwell shall, at the earliest opportunity:

- Take all reasonable and feasible steps to ensure that the exceedance ceases and does not recur. Steps may include (where appropriate):
    - A review of the *Ground Disturbance Permit Procedure.*
    - A review of the Aboriginal Heritage Database and updating of AHIMS register.
    - Additional Aboriginal cultural heritage management training for personnel.
    - Additional fencing to show the limits of disturbance or to protect Aboriginal objects or places to be conserved in situ.
    - Implementation of additional monitoring.
    - Archaeological salvage programs.
- Consider all reasonable and feasible options for remediation (where relevant) and submit a report to DPHI describing those options and any preferred remediation measures or other course of action; and
- Implement reasonable remediation measures as directed by the Planning Secretary.

In accordance with Schedule 2, Part E, Condition E5 (f) of SSD 9526, the following contingency plan is used to manage any unpredicted impacts and their consequences:

- Review the unpredicted impact with consideration of any relevant activities and monitoring data;
- Identify the most likely source of the unpredicted impact;
- Review the existing process and current controls; and
- Implement appropriate mitigation measures.

5.6 Complaints Handling

The site maintains a 24-hour community hotline (1800 653 960) for any issues or enquiries. In addition to the community hotline, the site can also be contacted by emailing info@malabarresources.com.au.

In accordance with Schedule 2 Condition B12(e)(iv) and Condition E5(h)(ii) of Development Consent SSD 9526, if a complaint or enquiry is received, it is investigated as soon as reasonably practicable and managed in accordance with Maxwell's *Community Complaints and Enquiries Procedure*. Details such as complainant name, contact details, nature of concern, date, time and method of receival are recorded. While details of the enquiry vary depending on the nature and source of the enquiry, the following actions may result:

- Confirmation of whether the complainant would like the matter raised as a complaint or an enquiry.
- Identify further details which may assist in determining the cause of the complaint.
- Carry out an inspection of the site or conduct an assessment of monitoring results to identify the source.
- Identify if there is an exceedance or non-compliance with any consent or licence condition.
- Identify, where necessary and practical, methods to manage the source of the complaint and minimise the chance of a recurrence or the potential to generate further complaints.

All enquiries and/or complaints are recorded in an enquiries database. A summary of complaints is presented to the Community Consultative Committee (CCC) and included in the Annual Review and Environmental Protection Licence Annual Return. A community complaints register is also available on the Malabar website.

6 AUDIT, REVIEW AND IMPROVEMENT

6.1 Review Schedule

The suitability of this HMP will be reviewed in accordance with Schedule 2, Part E, Condition E7 of SSD 9526 and Schedule 2, Part C, Condition C3 of DA 106-04-00, that is within three months of:

- the submission of an incident notification under condition E9/C5;
- the submission of an Annual Review under condition E11;
- the submission of an Independent Environmental Audit under condition E13/C7;
- the approval of any modification of the conditions of SSD 9526 or DA 106-04-00; or
- notification of a change in development phase under condition A13.

In accordance with Schedule 2, Part E, Condition E8 of SSD 9526 and Schedule 2, Part C, Condition C4 of DA 106-04-00, if necessary, to improve the environmental performance of the site, cater for a modification or comply with a direction, this plan will be revised. The revised plan will be submitted to DPHI for approval within six weeks of the review. If any significant modifications to the plan are required as an outcome of the review, relevant government agencies and RAPs will be consulted regarding the changes prior to the plan being submitted to DPHI for approval.

This HMP is a living document and will adapt to both the cultural and legislative environments as they grow and change over time, in particular the HMP will be reviewed as policy and legislation related to Aboriginal Cultural Heritage changes.

6.2 Reporting

In accordance with Schedule 2, Part E, Condition E11 of SSD 9526, by the end of March in each year after the commencement of the development, or other timeframe agreed by the Planning Secretary, an Annual Review report will be submitted to DPHI. The Annual Review will include the following:

- A description of the development that was carried out in the previous calendar year and the development proposed to be carried out over the current calendar year.
- A comprehensive review of monitoring results and complaints over the previous calendar year.
- A description of non-compliances which occurred in the previous calendar year and actions that were (or are being) taken to rectify the non-compliance and avoid reoccurrence.
- Evaluation of the effectiveness of management measures.
- Trends in monitoring data and any discrepancies between predicted and actual impacts.
- Measures to be implemented over the next calendar year to improve the environmental performance of the development.

In accordance with Schedule 2, Part E, Condition E12 of SSD 9526 copies of the Annual Review shall be submitted to Muswellbrook Shire Council and made available to the CCC and any interested person upon request.

In accordance with Schedule 2, Part E, Condition E17(a) of SSD 9526, the Annual Review will be publicly available on the Malabar website.

6.3 Auditing

In accordance with Schedule 2, Part E, Condition E13 of SSD 9526 and Schedule 2, Part C, Condition C7 of DA 106-04-00, within one year of commencement of development under SSD 9526 and within one year of approval of Antiene MOD1, and every three years after, unless the Planning Secretary directs otherwise, Maxwell will commission and pay the full cost of an Independent Environmental Audit of the development. The audit shall:

(a) be led by a suitably qualified, experienced and independent auditor whose appointment has been endorsed by the Planning Secretary;

(b) be conducted by a suitably qualified, experienced and independent team of experts (including any expert in field/s specified by the Planning Secretary) whose appointment has been endorsed by the Planning Secretary;

(c) be carried out in consultation with the relevant agencies and the CCC;

(d) assess the environmental performance of the development and whether it is complying with the relevant requirements in this consent, water licences and mining leases for the development (including any assessment, strategy, plan or program required under these approvals);

(e) review the adequacy of any approved strategy, plan or program required under the abovementioned approvals and this consent;

(f) recommend appropriate measures or actions to improve the environmental performance of the development and any assessment, strategy, plan or program required under the abovementioned approvals and this consent; and

(g) be conducted and reported to the satisfaction of the Planning Secretary.

In accordance with Schedule 2, Part E, Condition E14 of SSD 9526 and Schedule 2, Part C, Condition C8 of DA 106-04-00, within three months of commencing an Independent Environmental Audit, or other timeframe agreed by the Planning Secretary. Maxwell shall submit a copy of the audit report to the Planning Secretary, and any other NSW agency that requests it, together with its response to any recommendations contained in the audit report, and a timetable for the implementation of the recommendations. The recommendations shall be implemented to the satisfaction of the Planning Secretary.

6.4 Access to Information

In accordance with Schedule 2, Part E, Condition E17 of SSD 9526 and Schedule 2, Part C, Condition C11 of DA 106-04-00, before the commencement of construction and within 3 months of the approval of Antiene MOD1 until the completion of all rehabilitation required under SSD 9526 and DA 106-04-00, Maxwell will make the following information and documents (as they are obtained, approved or as otherwise stipulated within the conditions of SSD 9526) that are relevant to this plan publicly available on Malabar's website:

- this HMP;
- the proposed staging plans for the development if the construction, operation or decommissioning of the development is to be staged;
- minutes of CCC meetings;
- regular reporting on the environmental performance of the development in accordance with the reporting requirements in any plans or programs approved under the conditions of the consent;
- a comprehensive summary of the monitoring results of the development, reported in accordance with the specifications in any conditions of the consent, or any approved plans and programs;
- a summary of the current phase and progress of the development;
- contact details to enquire about the development or to make a complaint;
- a complaints register, updated monthly;
- the Annual Reviews of the development; and
- audit reports prepared as part of any Independent Environmental Audit of the development and the Applicant's response to the recommendations in any audit report.

This information shall be kept up to date, to the satisfaction of the Planning Secretary.

6.5 Records Management

In accordance with Schedule 2, Part B, Condition B56 of SSD 9526 records will be kept up to date in the AHIMS Register of all known Aboriginal objects or Aboriginal places on site and within any offset area.

6.6 Continuous Improvement

Maxwell will continuously investigate and implement Aboriginal cultural heritage and historic heritage management measures on site. Feedback from RAPs, monitoring results and any complaints may be used to assess impacts and determine where improvements or mitigation measures are required. These measures will be reviewed and reported on in the Annual Review.

6.7 Document Review History

A summary of the document history is outlined in **Table 8**.

Table 8. Document Revision Status

Issue	Issue Date	Review Team	Details of Change / Communication
1	February 2021	Geordie Oakes Robyn Skinner Donna McLaughlin	Document prepared following approval of SSD Consent 9526 for the Maxwell UG Project.
1.1	June 2024	Geordie Oakes Donna McLaughlin	Document updated following feedback from RAPs.
1.2	July 2024	Geordie Oakes Donna McLaughlin	Document updated following feedback from Heritage NSW.
2	March 2025	Geordie Oakes Donna Tiananga	Document updated for Woodlands Hill Longwalls 1-4 Extraction Plan.
3	December 2025	Donna Tiananga Trescinda Brown	Update following submission of Independent Environmental Audit report and approval of MOD3.

7 INFORMATION, TRAINING AND INSTRUCTION

7.1 Competent persons

Suitably qualified, competent and experienced persons shall be involved in the design, planning and implementation of this plan and related procedures.

7.2 Training

Generic Aboriginal cultural heritage management training is provided to all employees and contractors through the site induction process. Employees and contractors will also be made aware of the ground disturbance permit process and their legal responsibilities under the NP&W Act 1974. From time to time, workforce communication and toolbox talks allow for discussion of the objectives and requirements of this and any other relevant Management Plans.

All employees, contractors and supervisors carrying out any activities that may cause impacts to an Aboriginal object or Aboriginal place will undertake a more detailed awareness training package prior to the commencement of their work, to avoid any inadvertent impacts. Where possible, Wonnarua knowledge holders would be used to facilitate awareness training. Training packages will be updated regularly to be relevant to the type of works being completed. Records of training will be kept and maintained in a site database.

8 RESPONSIBILITIES

Responsibilities associated with this management plan are outlined **Table 9**.

Table 9. Responsibilities

Position	Responsibilities
General Manager	• Provide adequate resources for the implementation of this Plan.
Environment, Community and Approvals Manager	• Oversee the implementation of this Plan • Notify regulatory authorities and affected stakeholders of incidents in accordance with this Plan. • Coordinate ongoing RAP consultation. • Coordinate periodic reviews of this Plan. • Facilitate training of all employees and contractors in accordance with this Plan.
Environmental Coordinators	• Assist the Environment, Community and Approvals Manager as required in the implementation of this Plan. • Review GDP's. • Coordinate archaeological salvage programs. • Coordinate inspections of relevant Aboriginal heritage sites. • Manage and coordinate reasonable access for the Aboriginal community. • Coordinate investigations of Aboriginal cultural heritage related incidents or complaints. • Coordinate the management of records required under this Plan. • Provide training to all relevant personnel.
Supervisors	• Participate in awareness training when working near Aboriginal heritage sites. • Assist the Environment and Community Coordinator with investigations into non-compliances, incidents or complaints.
All Personnel	• Undertake works in accordance with the objectives and principles of this Plan. • All workers prior to carrying out any activities which may cause impacts to Aboriginal objects or Aboriginal Places will receive suitable Aboriginal cultural heritage training.

9 DOCUMENT INFORMATION

9.1 References

AECOM (2024) Maxwell Underground Mine Project Extraction Plan Whynot Seam Panels 2-5 – Aboriginal Archaeological Report

Archaeological Risk Assessment Services (2006) Aboriginal Archaeology & Cultural Heritage Assessment Report on Drayton Mine Extension

Archaeological Risk Assessment Services (2010) Cultural Heritage Management Report on Drayton Mine Extension Project Open Cut & Services Corridor Areas

Australian Heritage Commission (2002) Ask First: A guide to respecting Indigenous heritage places and values

Community Complaints and Enquiries Procedure

Dyall (1980) Aboriginal Relics on the Drayton Coal Lease, Muswellbrook

Ground Disturbance Permit Procedure

HLA - Envirosciences Pty Ltd (2002) - Archaeological Assessment of Proposed Drayton Mine Extension Supplementary Report. Prepared for Drayton Coal Pty Ltd.

Mine Subsidence Engineering Consultants (2019) - Environment Impact Statement - Subsidence Assessment

Mine Subsidence Engineering Consultants (2024) - Maxwell Underground Mine Project: Extraction Plan Application – Subsidence Assessment for Whynot Seam Panels 2-5

Mine Subsidence Engineering Consultants (2025) - Maxwell Underground Mine Project: Extraction Plan Application – Subsidence Assessment for Woodlands Hill Longwalls 1-4

National Parks and Wildlife Service (1997) Aboriginal Cultural Heritage Standards & Guidelines Kit

NSW Minerals Council Ltd (2010) - NSW Minerals Due Diligence Code of Practice for the Protection of Aboriginal Objects.

NSW Department of Environment Climate Change & Water (2010a) Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales

NSW Department of Environment Climate Change & Water (2010b) Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010

NSW Office of Environment & Heritage (2011) Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW.

State Significant Development 9526

9.2 Definitions and abbreviations

Term	Definition
Antiene MOD1	Drayton Rail Loop and Antiene Rail Spur (DA 106-04-00) Modification 1
ACHA	Aboriginal Cultural Heritage Assessment
ACHMP	Aboriginal Cultural Heritage Management Plan
AHIMS	Aboriginal Heritage Information Management System
ASIR	Aboriginal Site Impact Recording
BCD	Biodiversity and Conservation Division
CCC	Community Consultative Committee
CVR	Cultural Values Report
DA	Development Approval
DPE	NSW Department of Planning and Environment (now NSW Department of Planning, Housing and Infrastructure)
DPHI	NSW Department of Planning, Housing and Infrastructure
EIS	Environmental Impact Statement
EP&A	Environmental Planning and Assessment
GDP	Ground Disturbance Permit
HMP	Heritage Management Plan
Maxwell MOD1	Maxwell Underground Project (SSD 9526) Modification 1

Term	Definition
Maxwell MOD2	Maxwell Underground Project (SSD 9526) Modification 2
Maxwell MOD3	Maxwell Underground Project (SSD 9526) Modification 3
MEA	Mine Entry Area
NPW	National Parks and Wildlife
NSW	New South Wales
PAD	Potential Archaeological Deposit
RAP	Registered Aboriginal Party
SSD	State Significant Development
Toolbox Talk	A forum where information is presented to the crews

APPENDIX 1 – FIGURES

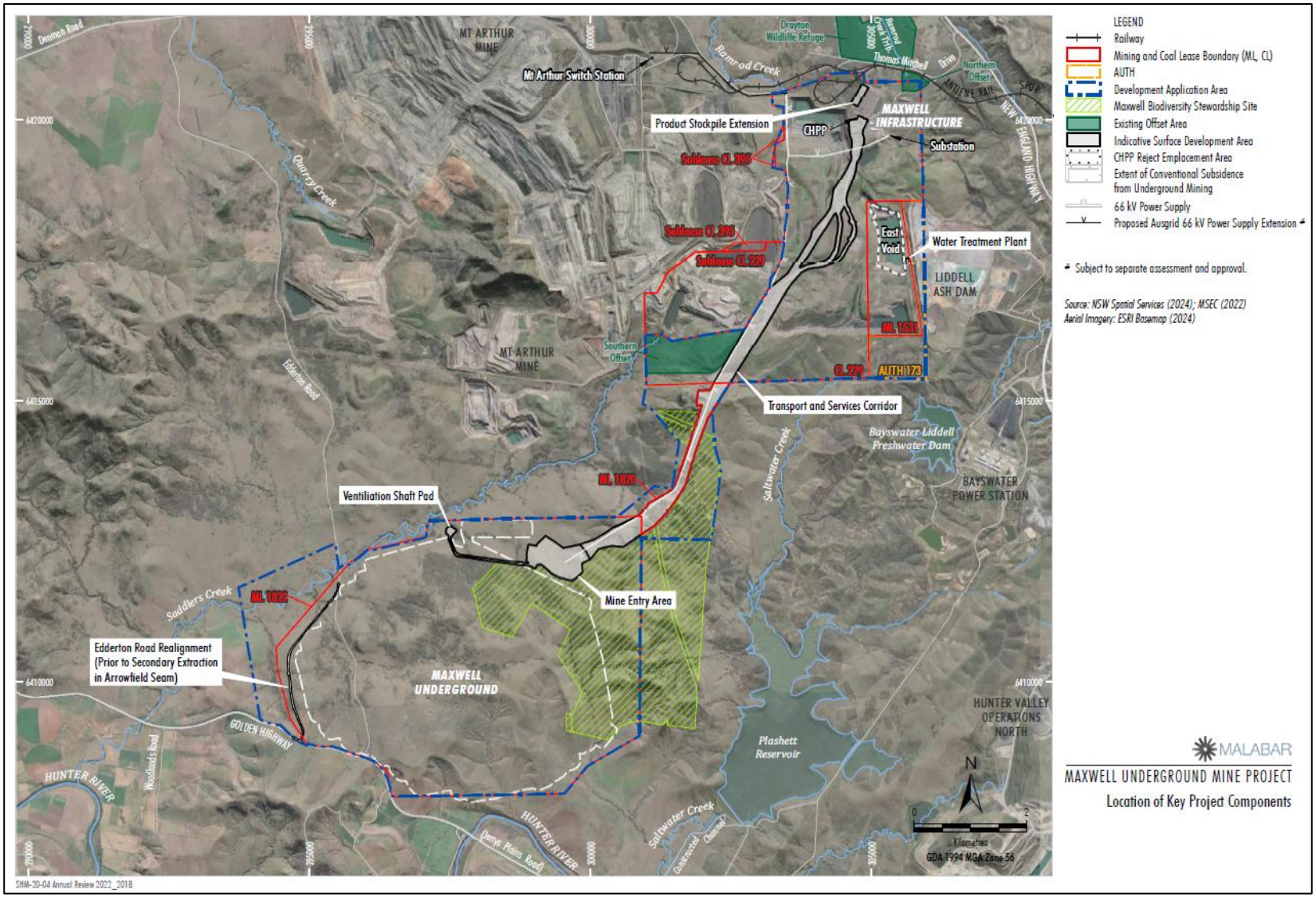


Figure 1. Maxwell Underground Mine

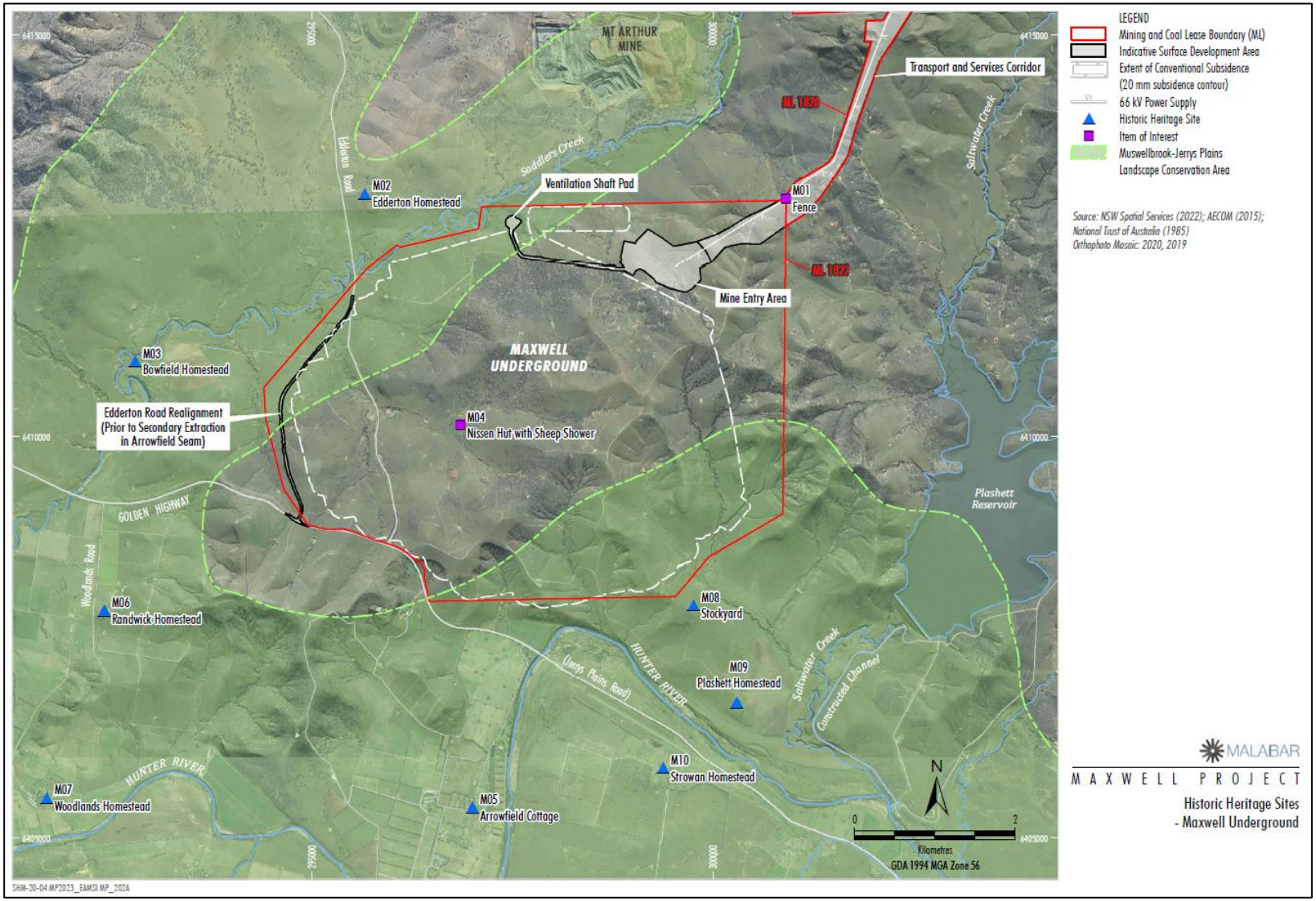


Figure 2. Historic Heritage Sites

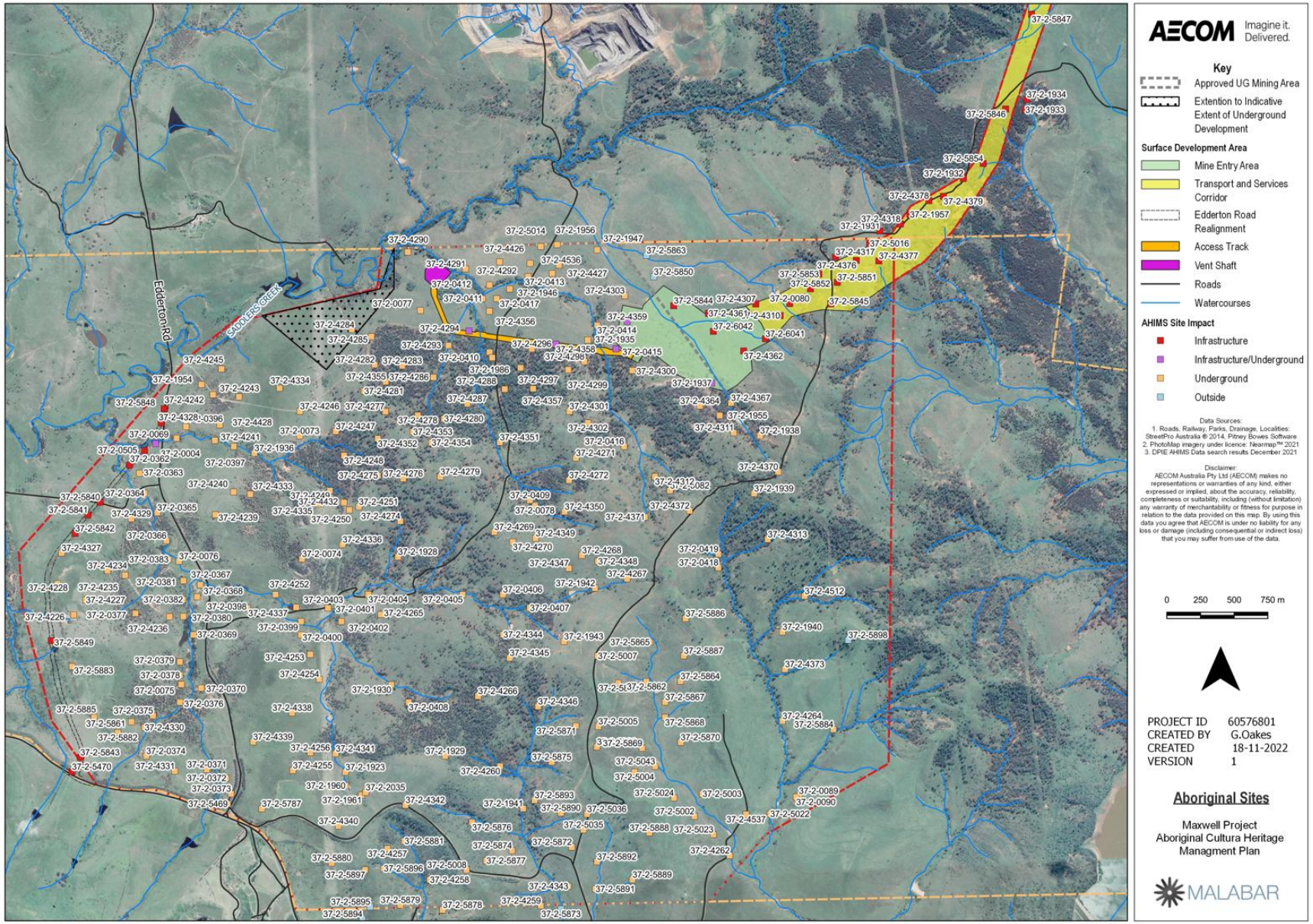


Figure 3. AHIMS sites by area

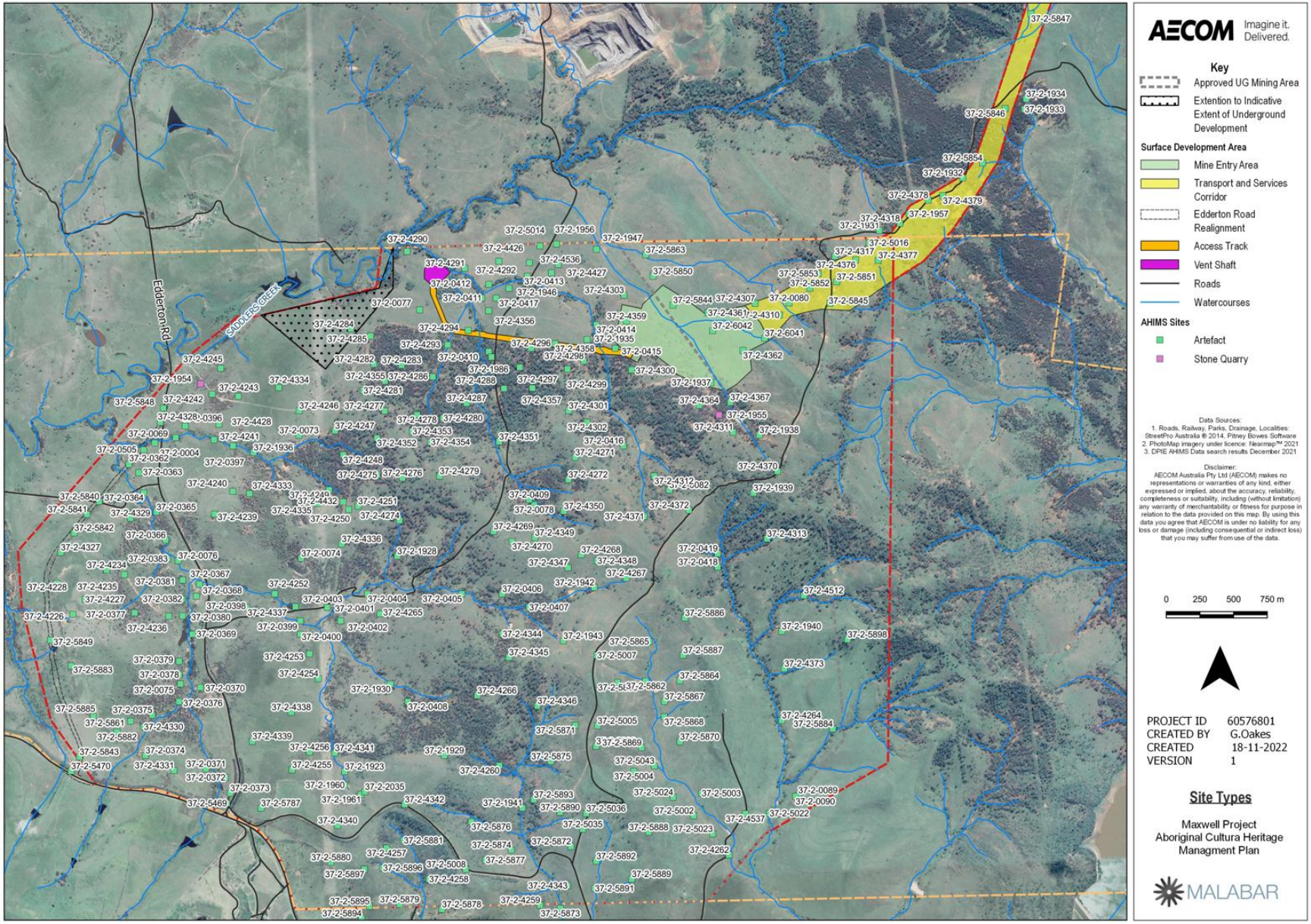


Figure 4. AHIMS sites by type

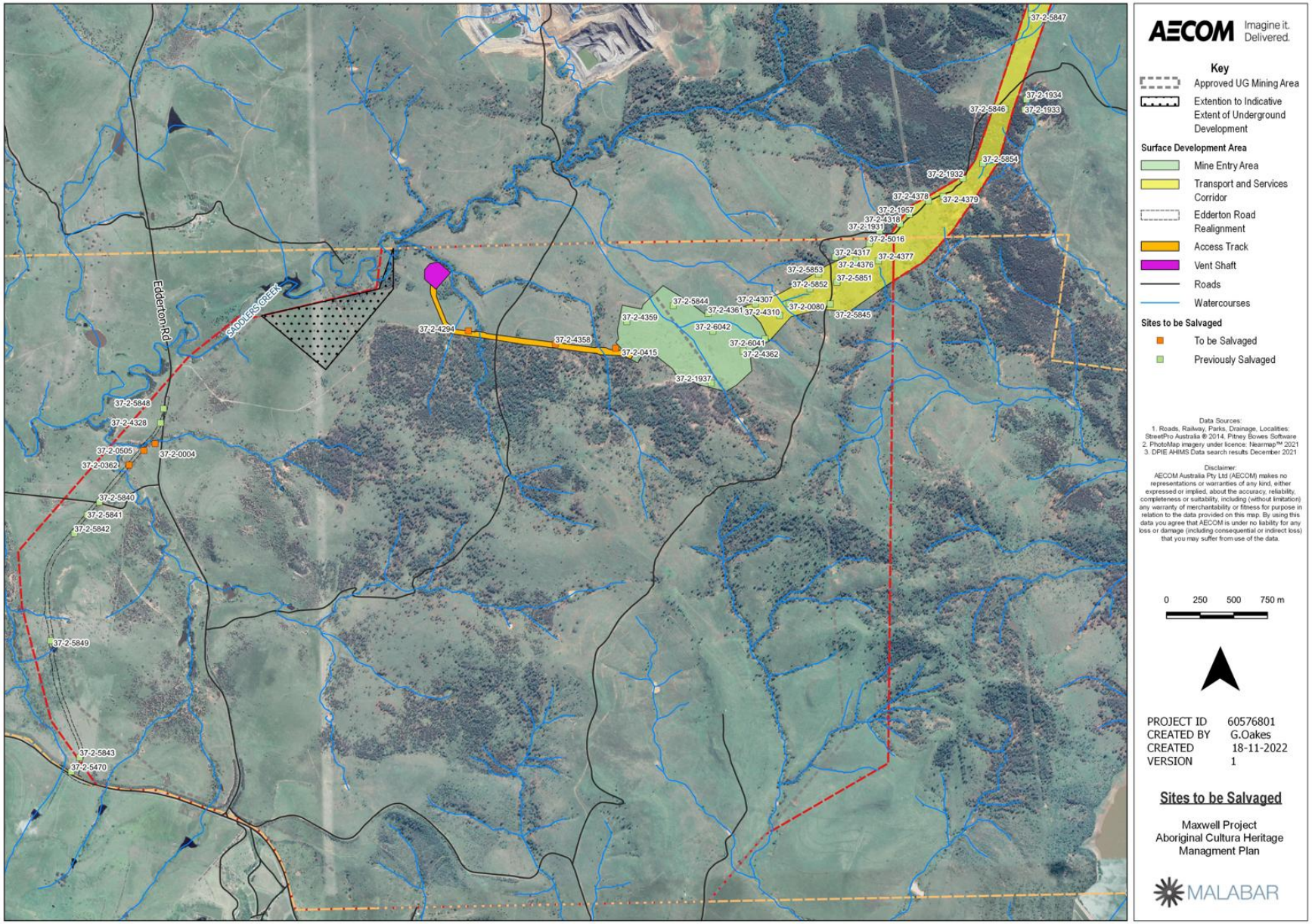


Figure 5. AHIMS sites to be salvaged

Figure 6. Indicative test pit locations for Edderton Road realignment

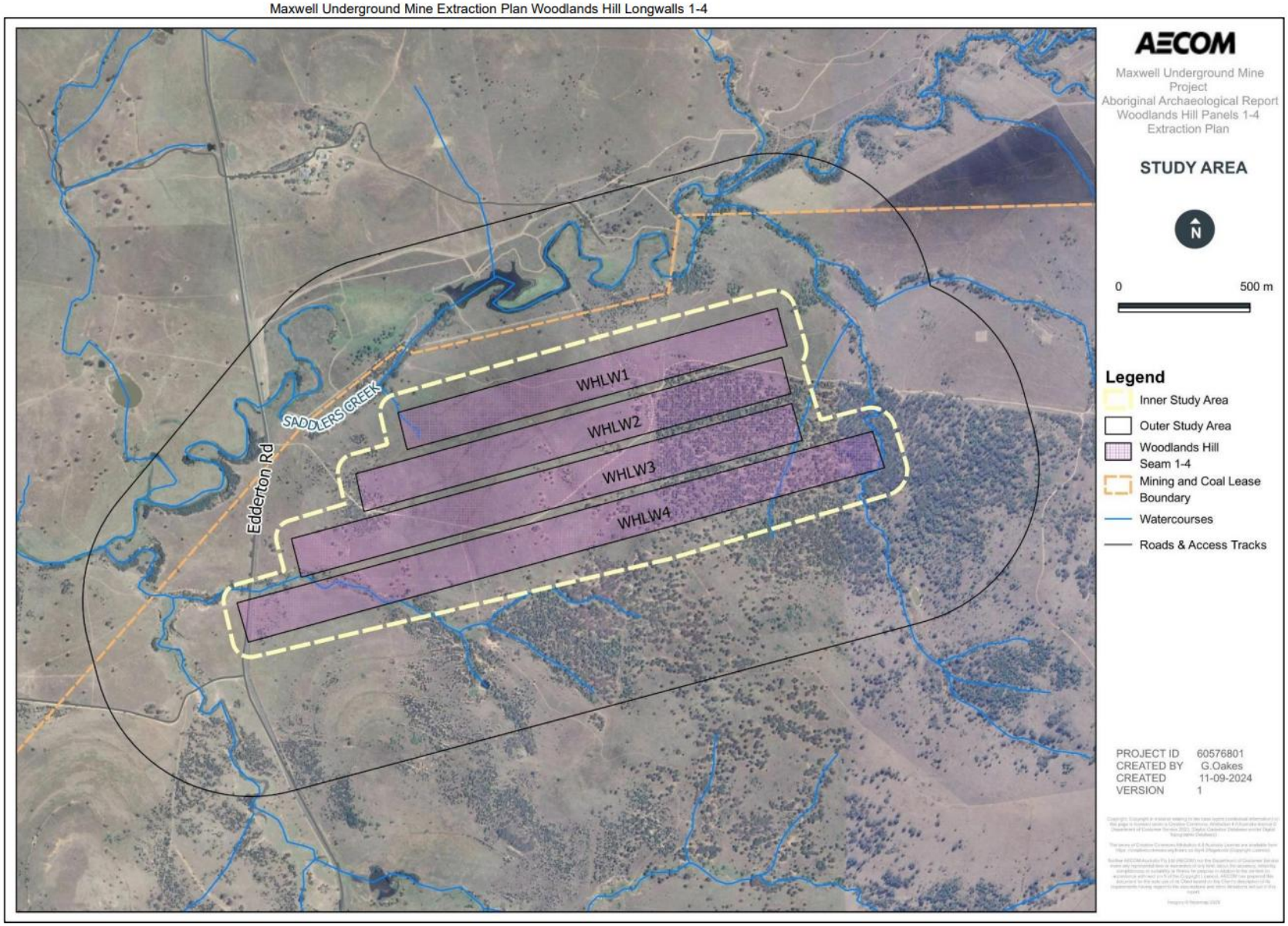


Figure 7. Longwall Panels 1- 4 arrangement

APPENDIX 2 – REGULATORY REQUIREMENTS

State Significant Development Consent 9526

Clause	Requirement	Section of Plan
B54	**Protection of Aboriginal Heritage** The Applicant must ensure that the development does not cause any direct or indirect impact on any identified heritage item, beyond those predicted in the document/s listed in condition A2(c). ***Note:*** *Identified heritage items are shown in Figure 8 in Appendix 4*	**3.6**
B55	If suspected human remains are discovered on the site, then all work surrounding the area must cease, and the area must be secured. The Applicant must immediately notify NSW Police Force and Heritage NSW, and work must not recommence in the area until authorised by NSW Police Force and Heritage NSW.	**3.7.9**
B56	The Applicant must ensure that all known Aboriginal objects or Aboriginal places on the site and within any offset areas are properly recorded, and those records are kept up to date, in the Aboriginal Heritage Information Management System (AHIMS) Register.	**5.3**
B57	**Aboriginal Cultural Heritage Management Plan** The Applicant must prepare an Aboriginal Cultural Heritage Management Plan for the development. The plan must: (a) be prepared by suitably qualified and experienced persons whose appointment has been endorsed by the Planning Secretary; (b) be prepared in consultation with Aboriginal Affairs NSW, Heritage NSW and Registered Aboriginal Parties; (c) describe the measures to be implemented on the site or within any offset area to: (i) comply with conditions B54 to B55 of this Schedule; (ii) ensure all workers receive suitable Aboriginal cultural heritage training/inductions prior to carrying out any activities which may cause impacts to Aboriginal objects or Aboriginal places, and that suitable records are kept of these inductions; (iii) protect, monitor and manage identified Aboriginal objects and Aboriginal places (including AHIMS Site #37-2-1954 and the previously recorded location of AHIMS Site #37-2-1955) in accordance with the commitments made in the document/s listed in condition A2(c); (iv) protect Aboriginal objects and Aboriginal places located outside the approved disturbance area from impacts of the development; (v) manage the discovery of suspected human remains and any new Aboriginal objects or Aboriginal places, including provisions for burials, over the life of the development; (vi) maintain and manage reasonable access for relevant Aboriginal stakeholders to visit Aboriginal objects and Aboriginal places (outside of the approved disturbance area); and (vii) facilitate ongoing consultation and involvement of Registered Aboriginal Parties in the conservation and management of Aboriginal cultural heritage on the site; and (d) include a strategy for the care, control and storage of Aboriginal objects salvaged on the site, both during the life of the development and in the long term.	**Appendix 4** **4.4 and Appendix 5** **3.7** **7.2** **3.7** **3.7.8** **3.7.9** **3.7.10** **4.5** **3.7.4**

<table>
<tr><th>Clause</th><th>Requirement</th><th>Section of Plan</th></tr>
<tr><td>B58</td><td>The Applicant must not commence construction until the Aboriginal Cultural Heritage Management Plan is approved by the Planning Secretary.</td><td>1.3</td></tr>
<tr><td>B59</td><td>The Applicant must implement the Aboriginal Cultural Heritage Management Plan approved by the Planning Secretary.</td><td>1.3</td></tr>
<tr><td>C1</td><td>The Applicant must ensure that the development does not cause any exceedances of the performance measures in Table 9.
Table 9: Subsidence impact performance measures – natural and heritage features etc
<table><tr><th>Feature</th><th>Performance Measure</th></tr><tr><td colspan="2">Heritage sites</td></tr><tr><td>Aboriginal cultural heritage sites shown in Figure 7 in Appendix 4</td><td>• No greater subsidence impacts or loss of heritage values than predicted in the document/s listed in condition A2(c)</td></tr></table>Notes:
• These performance measures apply to all mining taking place after the date of this consent.
• The Applicant is required to define more detailed performance indicators (including impact assessment criteria) for each of these performance measures in the various management plans that are required under this consent (see condition C8).</td><td>3.3</td></tr>
<tr><td>C2</td><td>Measurement and monitoring of compliance with performance measures and performance indicators in this consent is to be undertaken using generally accepted methods that are appropriate to the environment and circumstances in which the feature or characteristic is located. These methods are to be fully described in the relevant management plans and monitoring programs. In the event of a dispute over the appropriateness of proposed methods, the Planning Secretary will be the final arbiter.</td><td>Section 5</td></tr>
<tr><td>C7</td><td>The Applicant may carry out first workings within the underground mining area of the approved mine plan, other than in accordance with an approved Extraction Plan, provided that the Resources Regulator is satisfied that the first workings are designed to remain stable and non-subsiding in the long term, except insofar as they may be impacted by approved second workings.
Note: The intent of this condition is to ensure that first workings are built to geotechnical and engineering standards sufficient to ensure long term stability, with negligible direct subsidence impacts.</td><td>1.2</td></tr>
<tr><td>C8</td><td>The Applicant must prepare an Extraction Plan for all second workings on the site of the development to the satisfaction of the Planning Secretary. Each Extraction Plan must:
(a) be prepared by a suitably qualified and experienced person/s whose appointment has been endorsed by the Planning Secretary;
(b) be prepared in consultation with the Resources Regulator, DPE Water and SANSW;
(c) include detailed plans of existing and proposed first and second workings and overlying surface features, including any applicable adaptive management measures;
(d) include adequate consideration of mine roof and floor conditions, pillar width to height ratio, final pillar design dimensions and the long-term stability of pillars which has been undertaken in consultation with the Resources Regulator;</td><td>2.3
2.3
Extraction Plan
Extraction Plan</td></tr>
</table>

Clause	Requirement	Section of Plan
	(e) provide revised predictions of the potential subsidence effects, subsidence impacts and environmental consequences of the proposed mining covered by the Extraction Plan, incorporating any relevant information obtained since this consent;	**Extraction Plan**
	(f) describe in detail the performance indicators to be implemented to ensure compliance with the performance measures in Table 9 and Table 10, and manage or remediate any impacts and/or environmental consequences to meet the rehabilitation objectives in condition B76;	**Extraction Plan**
	(g) include a: …(vi) Heritage Management Plan which has been prepared in consultation with Heritage NSW and relevant stakeholders for heritage items which provides for the management of potential environmental consequences of the proposed second workings on Aboriginal cultural heritage and historic heritage values and includes all requirements under conditions B54 to B57 inclusive and having regard to the subsidence impact performance measures in Table 9;	**This HMP**
C9	The Applicant must not undertake second workings until the relevant Extraction Plan is approved by the Planning Secretary.	**1.2**
C10	The Applicant must implement the Extraction Plan as approved by the Planning Secretary.	**1.2**
C13	The Applicant must pay all reasonable costs incurred by the Department to engage a suitably qualified, experienced and independent person/s to review the adequacy of any aspect of an Extraction Plan.	**2.3**
E5	Management plans required under this consent must be prepared in accordance with relevant guidelines, and include:	
	(a) a summary of relevant background or baseline data;	**Section 3**
	(b) details of:	**2.1 and Appendix 2**
	(i) the relevant statutory requirements (including any relevant approval, licence or lease conditions);	**Section 3**
	(ii) any relevant limits or performance measures and criteria; and	**Section 3**
	(iii) the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the development or any management measures;	**Section 3**
	(c) any relevant commitments or recommendations identified in the document/s listed in condition A2(c);	**3.7**
	(d) a description of the measures to be implemented to comply with the relevant statutory requirements, limits, or performance measures and criteria;	**5**
	(e) a program to monitor and report on the:	**5**
	(i) impacts and environmental performance of the development; and	
	(ii) effectiveness of the management measures set out pursuant to condition E5(c);	**5.5**
	(f) a contingency plan to manage any unpredicted impacts and their consequences and to ensure that ongoing impacts reduce to levels below relevant impact assessment criteria as quickly as possible;	**6.6**
	(g) a program to investigate and implement ways to improve the environmental performance of the development over time;	
	(h) a protocol for managing and reporting any:	
	(i) incident, non-compliance or exceedance of any impact assessment criterion or performance criterion);	**5.4**

Clause	Requirement	Section of Plan
	(ii) complaint; or (iii) failure to comply with other statutory requirements; (i) public sources of information and data to assist stakeholders in understanding environmental impacts of the development; and (j) a protocol for periodic review of the plan. ***Note:*** *The Planning Secretary may waive some of these requirements if they are unnecessary or unwarranted for particular management plans.*	**5.6** **5.4** **6.4** **6.1**
E7	**Revision of Strategies, Plans and Programs** Within three months of: (i) the submission of an incident report under condition E9; (ii) the submission of an Annual Review under condition E11; (iii) the submission of an Independent Environmental Audit under condition E12; (iv) the approval of any modification of the conditions of this consent (unless the conditions require otherwise); or (v) notification of a change in development phase under condition A13; The suitability of existing strategies, plans and programs required under this consent must be reviewed by the Applicant.	**6.1**
E8	If necessary, to either improve the environmental performance of the development, cater for a modification or comply with a direction, the strategies, plans and programs required under this consent must be revised, to the satisfaction of the Planning Secretary. Where revisions are required, the revised document must be submitted to the Planning Secretary for approval within six weeks of the review. ***Note:*** *This is to ensure strategies, plans and programs are updated on a regular basis and to incorporate any recommended measures to improve the environmental performance of the development.*	**6.1**
E9	The Applicant must notify the Department within 24 hours of becoming aware of an incident. The notification must be made via the NSW planning portal (Major Projects) and address details of the incident including: (a) date, time and location; (b) a brief description of what occurred and why it has been classified as an incident; (c) a description of what immediate steps were taken in relation to the incident; and (d) identifying a contact person for further communication regarding the incident.	**5.4**
E9A	The Applicant shall provide the DPHI with a subsequent incident report in accordance with Appendix 7 of Development Consent SSD-9526.	**5.4**
E10	Within seven days of becoming aware of a non-compliance, the Applicant must notify the Department of the non-compliance. The notification must be in writing and must be submitted via the NSW Planning Portal (Department's Major Projects Website).The notification must identify the development (including the development application number and name), set out the condition of this consent that the development is non-compliant with, why it does not comply, the reasons for the non-compliance (if known), and what	**5.4**

Clause	Requirement	Section of Plan
	actions have been undertaken, or will be undertaken, and when, to address the non-compliance. ***Note:*** *A non-compliance which has been notified as an incident does not need to also be notified as a non-compliance.*	

APPENDIX 3 – MAXWELL PROJECT EIS AND SUPPORTING DOCUMENT COMMITMENTS

Clause	Requirement	Section of Plan
EIS Section 6.12.4	**Surface Development** An archaeological salvage program would be documented in the ACHMP to manage potential impacts to Aboriginal heritage from surface disturbance, including: • Creation and maintenance of an Aboriginal Site Database for known Aboriginal heritage sites within the Project area and surrounds. • Progressive surface collection of Aboriginal objects/sites potentially impacted by surface development. • A program of open area salvage excavation for sites AHIMS #37-2-0004 and AHIMS #37-2-0505, representing the only sites assessed of moderate scientific significance that would be directly impacted by the Project (these sites lie within 100 m of each other and essentially comprise a single archaeological site). • Involvement of a qualified archaeologist and field representative(s) from registered Aboriginal parties in salvage works. • Submission of Aboriginal Site Impact Recording forms for all salvaged sites.	**3.7**
EIS Section 6.12.4	Sites assessed of moderate significance would be subject to surface collection and other forms of mitigation (such as detailed recording, test or open area excavation).	**3.7.5**
EIS Section 6.12.4	During the development of the ACHMP, registered Aboriginal parties would be requested to provide advice on the curation of all the Aboriginal objects salvaged as part of the excavation program.	**4.4 and 4.5**
EIS Section 6.12.4	**Potential Impacts from Subsidence** The following measures would be undertaken to manage potential impacts to Aboriginal heritage from subsidence throughout the life of the Project: • Subsidence monitoring would be conducted during mining and for a specified period post-mining, with a digital record kept of the nature, location and extent of all subsidence-related surface impacts within the Project area. • Where subsidence-related impacts, such as surface cracking, are identified within the boundary of an existing site of moderate (or high) scientific significance, or where remediation works are required to address subsidence impacts, the site would be inspected by a qualified archaeologist to determine the nature and extent of impacts, and whether mitigation is required. • Mitigation measures for subsidence may include further monitoring, surface collection or open area salvage excavation.	**5.1**
	General Mitigation Measures In additional to the above, Maxwell would implement the following general measures that have been formulated in consultation with the registered Aboriginal parties: • An Aboriginal cultural heritage awareness package would be developed, and all relevant contractors and staff engaged on the Project who may have interactions with Aboriginal heritage would receive awareness training prior to commencing work on-site. • Sites would be identified on relevant site plans, with details for the care of sites that would be conserved in-situ incorporated into the ACHMP.	**7.2** **3.7.7**

Clause	Requirement	Section of Plan
	• AHIMS site cards would be lodged in a timely manner with the DPIE for any previously unidentified Aboriginal heritage site(s) that are discovered during the course of Project operations and/or further heritage assessments. • The ACHMP would outline provisions to guide the management of any previously unrecorded Aboriginal heritage sites that may be identified during future investigations or works consistent with the protocol in the ACHA (Appendix G). • Should any skeletal remains be identified during the course of the Project, work in that location would cease immediately and the find would be notified to the relevant authorities (including the NSW Police). Subject to the NSW Police requiring no further involvement, the management of any Aboriginal skeletal remains would be determined in consultation with the DPIE and the registered Aboriginal parties.	**3.7.5** **3.7.5** **3.7.9**
Maxwell Project Submissions Report, Section 6.1.7	Notwithstanding, Maxwell would manage potential impacts on Aboriginal heritage sites through consultation with the Aboriginal community, salvage of sites and other management measures.	**4.5**
Maxwell Project Submissions Report, Section 6.1.8	Notwithstanding, Maxwell would manage potential impacts on Aboriginal heritage sites through consultation with the Aboriginal community, salvage of sites and other management measures.	**4.5**
EIS Appendix G – Aboriginal Cultural Heritage Assessment, Appendix N	**Open Area Excavation** In view of the demonstrated subsurface potential of sites 37-2-0004/37-2-0505 up to 100 m² of open area excavation will be undertaken at the site. The extent of open plan excavation at the sites will be driven by observed lithic distributions and the presence/absence of inset archaeological features such as raw material deposits, hearths and heat treatment pits. The placement of the open area excavation within the site will be guided by a program of test excavation with a series of 1 m² pits placed on a 20 m grid within the portion of the site boundaries impacted by the project. The open area excavation will be centred on one or more locations where higher counts of artefacts, archaeological features, or the test pit with high richness values are intercepted. The proposed excavation methodology is as follows: • All excavation will be carried out manually using trowels, shovels and mattocks; • Test excavation will proceed in 1 m² units placed on a 20 m grid across the impacted portion of the site; • Open area excavation will proceed in 1 m² units, each of which will be assigned an alphanumeric identifier; • All excavation units will be excavated in 10 cm spits down to the base of the identified A2 soil horizon; • Photographic and scale-drawn records of representative soil profiles will be made; • If specific archaeological features (e.g., hearths, heat treatment pits) are identified, the entire feature will be excavated and recorded prior to the continuation of excavation. Features will be photographed and scale plans drawn; • Where encountered, charcoal deemed suitable for radiocarbon dating will be collected using 'best practice' guidelines (e.g., Burke and Smith 2004: 154); • Soil samples will be retained for pH testing and soil description;	**3.7.3.1**

Clause	Requirement	Section of Plan
	• Soil samples for OSL dating will be collected from selected strata using best practice guidelines (e.g., United States Geological Survey 2015); • All excavated soils will be wet-sieved through 5 mm gauge sieves; • Artefacts recovered from sieving will be retained in plastic zip-lock bags and labelled with appropriate provenance data; and • All excavation units will be backfilled upon conclusion of excavation. The proponent will be responsible for arranging and undertaking this.	
EIS Appendix G – Aboriginal Cultural Heritage Assessment, Appendix N	**Geomorphological Assessment** A suitably qualified geomorphologist will be engaged to undertake a geomorphological assessment of excavated soils and soil profiles within excavation areas. This assessment will, at a minimum, involve the following: • A desktop review of existing soil data and historic aerial photographs for the sites; • A visual inspection of excavated soils and soil profiles during the salvage excavation; and • Characterisation of extant soils and soil profiles using standard sedimentological techniques and terminology. The engaged geomorphologist will provide a stand-alone report detailing the results of their assessment.	**3.7.3.1**
EIS Appendix G – Aboriginal Cultural Heritage Assessment, Appendix N	**Post-Salvage Analyses & Reporting** All stone artefacts recovered during the salvage program will be subject to detailed technological analysis by a qualified archaeologist. Artefacts will be analysed to a level comparable to that achieved in previous analyses of excavated lithic assemblages in the Hunter Valley so as to facilitate a rigorous and meaningful comparative analysis of intra-regional assemblage composition. A report detailing the results of the archaeological salvage program undertaken (including the results of any post-excavation analyses) will be completed within one year of the fieldwork component of the program. Reporting will be consistent with the best practice guidelines suggested by the Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW (DECCW 2010b) and the Aboriginal Cultural Heritage Standards & Guidelines Kit (NSW NPWS 1997). Copies of the final salvage report will be provided to all RAPs and the OEH within 14 days of completion.	**3.7.3.1**
EIS Appendix G – Aboriginal Cultural Heritage Assessment, Appendix N	**Care & Control of Recovered Artefacts** All Aboriginal objects salvaged as part of the excavation program should be curated in an appropriate manner, as determined through consultation with RAPs, the OEH and the DP&E during preparation of the ACHMP. Temporary off-site storage of salvaged objects should be allowed for the purposes of analysis and recording.	**3.7.4**

APPENDIX 4 – PLANNING SECRETARY ENDORSEMENT

Department of Planning and Environment

Our ref: SSD-9526-PA-104

Donna McLaughlin
HSEC Manager
Maxwell Ventures (Management) Pty Ltd
Thomas Mitchell Drive
Muswellbrook NSW 2333

10/08/2023

Subject: Appointment of Suitably Qualified and Experienced Persons

Dear Ms McLaughlin

I refer to your request dated 4 August 2023 seeking the Planning Secretary's endorsement of the following persons as suitably qualified and experienced under Condition C8 of Schedule 2 of SSD-9526:

- Dr James Barbato (subsidence expert);
- Mr Greg Roads (surface water expert);
- Dr Noel Merrick (groundwater expert);
- Dr Colin Driscoll (biodiversity expert);
- Mr Geordie Oakes (Aboriginal cultural heritage expert);
- Mr Josh Peters (overall preparation and review of the Extraction Plan); and
- Ms Donna McLaughlin, Mr James Johnson, Mr Shane Pegg, Mr Tim Britten and Mr Peter Sergeant, Maxwell Mine personnel, would also be involved in the preparation of the Extraction Plan.

The Department has reviewed the nominations and information you have provided and is satisfied that the above persons are suitably qualified and experienced. Accordingly, I can advise that the Planning Secretary endorses the appointment of these persons to prepare the Extraction Plan for the Whynot Seam Panels 1 to 4 of the Maxwell Underground Coal Mine Project.

If you wish to discuss the matter further, please contact Joe Fittell on (02) 4908 8696.

Yours sincerely

Stephen O'Donoghue
Director
Resource Assessments
As nominee of the Planning Secretary

4 Parramatta Square, 12 Darcy Street, Parramatta NSW 2150 www.dpie.nsw.gov.au 1
Locked Bag 5022, Parramatta NSW 2124

Department of Planning, Housing & Infrastructure

Our ref: SSD-9526-PA-139

Dominic Brown
Environment and Community Superintendent
Malabar Resources Limited
Thomas Mitchell Drive
Muswellbrook NSW 2333

24/07/2024

Subject: Appointment of Suitably Qualified and Experienced Persons

Dear Mr Brown

I refer to your request dated 15 July 2024 seeking the Planning Secretary's endorsement of the following persons as suitably qualified and experienced under Condition C8 of Schedule 2 of SSD-9526:

- Dr James Barbato (subsidence expert);
- Mr Greg Roads (surface water expert);
- Dr Noel Merrick (groundwater expert);
- Dr Colin Driscoll (biodiversity expert);
- Mr Geordie Oakes (Aboriginal cultural heritage expert);
- Mr Josh Peters (overall preparation and review of the Extraction Plan); and
- Ms Donna McLaughlin, Mr Dominic Brown, Mr James Johnson, Mr Shane Pegg, Mr Tim Britten and Mr Peter Sergeant, Maxwell Mine personnel, would also be involved in the preparation of the Extraction Plan.

The Department has reviewed the nominations and information you have provided and is satisfied that the above persons are suitably qualified and experienced. Accordingly, I can advise that the Planning Secretary endorses the appointment of these persons to prepare the Extraction Plan for the Woodlands Hill Panels 1 to 4 of the Maxwell Underground Coal Mine Project.

If you wish to discuss the matter further, please contact Joe Fittell on (02) 4908 8696.

Yours sincerely

Stephen O'Donoghue
Director
Resource Assessments

As nominee of the Planning Secretary

Department of Planning, Housing & Infrastructure

Our ref: SSD-9526-PA-143

Donna McLaughlin
Environment, Community and Approvals Manager
Level 26, 259 George Street
Sydney, NSW, 2000

06/02/2025

Subject: Appointment of Experts – Woodlands Hill Seam Panels 1 to 4 Extraction Plan

Dear Ms McLaughlin

I refer to your request dated 7 January 2025 seeking the Planning Secretary's endorsement of the following persons as suitably qualified and experienced under Condition C8 of Schedule 2 of SSD 9526:

- Robert Hayes, Acting General Manager;
- Russel Howarth, Acting Underground Mine Manager; and
- Daniel Cherry, Registered Mine Surveyor.

The Department has reviewed the nominations and is satisfied that the above persons are suitably qualified and experienced. Accordingly, I can advise that the Planning Secretary endorses the appointment of the above persons to prepare the Woodlands Hill Panels 1 to 4 Extraction Plan for the Maxwell Underground Coal Mine Project.

If you wish to discuss the matter further, please contact Jack Turner on 9995 5387.

Yours sincerely

Jack Turner
A/ Team Leader
Resource Assessments

As nominee of the Planning Secretary

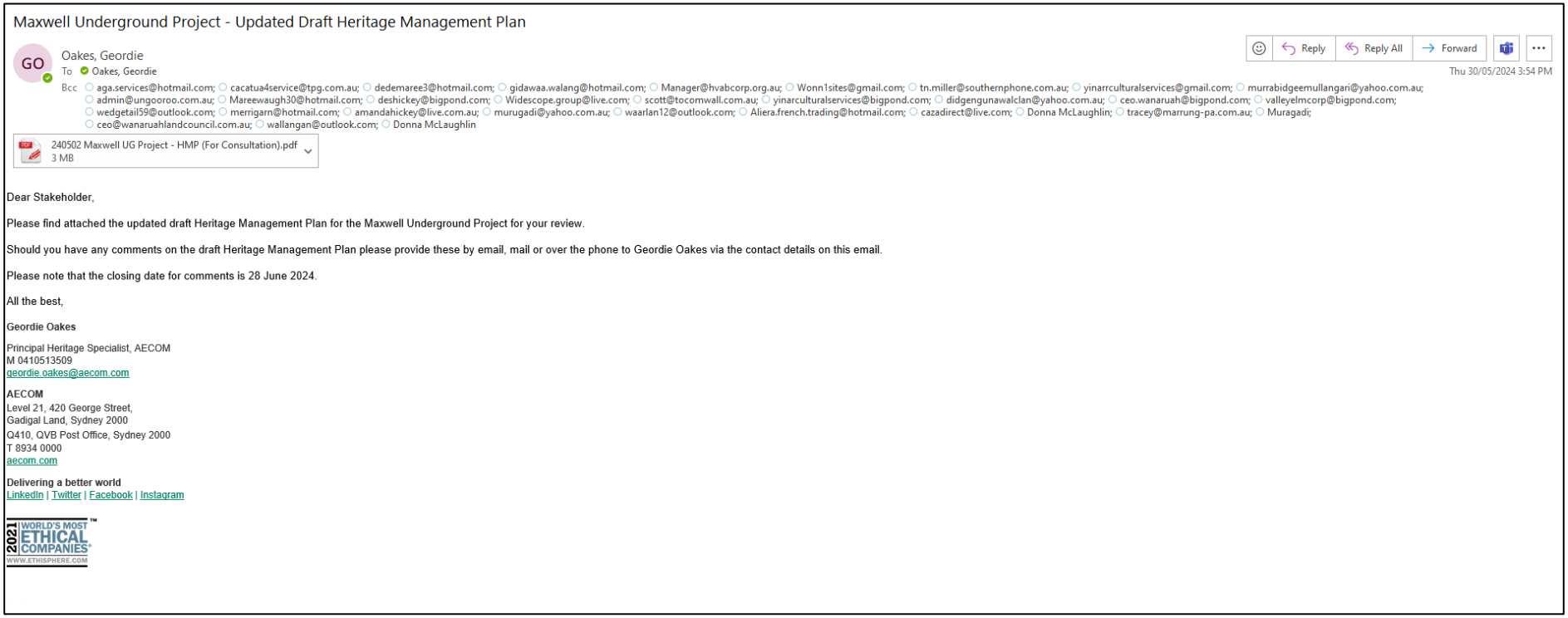
4 Parramatta Square, 12 Darcy Street, Parramatta NSW 2150 www.dphi.nsw.gov.au 1
Locked Bag 5022, Parramatta NSW 2124

APPENDIX 5 – CONSULTATION WITH RAP'S, ABORIGINAL AFFAIRS NSW AND HERITAGE NSW

Document Version	Raised By	Consultation Feedback	Outcome
1	Tracey Skene (Culturally Aware)	This plan of management works under the current Aboriginal Cultural Heritage legislation; however it will need to be reconsidered as policy and legislations change. This plan of management should be a living document with the ability to adapt to both the cultural and legislative environments as they grow and change.	Additional text added to Section 6.1 rearing updates to the HMP.
1	Rhonda Ward (UCCS)	Everything seems alright to me.	Noted – no further action required.
1	Darleen Johnson (Murra Bidgee Mullangari)	I have read the project information and updated the draft heritage management plan for the above project, I endorse the recommendations made.	Noted – no further action required.
1	Amanda Hickey (AHCS)	Thank you for email AHCS is happy and supports the updated draft Heritage Management Plan for the Maxwell Underground.	Noted – no further action required.
1	Heritage NSW	The HMP provided does not include the results of consultation with the registered Aboriginal parties. Please update the plan with the results of consultation and provide further information to demonstrate the specific consultation interactions regarding the HMP (such as an email with all relevant email addresses shown) to demonstrate consultation with registered Aboriginal parties in accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents (DECCW 2010).	Evidence of consultation was previously included in Appendix 5 of the HMP however Maxwell recognises that the original email (sent to RAPs) showing the individual email addresses was not included. This has now been included in Appendix 5 and additional text added to Section 4.4.
2	Murra Bidgee Mullangari	I have read the project information and updated the draft heritage management plan for the above project; I endorse the recommendations made.	Noted – no further action required.
2	WLALC	I have sent this to our Board to see if they have any feedback.	Noted – no further action required.
2	Heritage NSW	1. Please provide documentation relating to the consultation process demonstrating that the draft HMP was provided to all RAPs and copies of any responses received.	Correspondence inviting RAPs to provide feedback on the HMP was sent via email to RAPs from Geordie Oakes of AECOM on 13 March 2025. Two responses were received, one from Murra Bidgee Mullangari, and one

Document Version	Raised By	Consultation Feedback	Outcome
			from WLALC. Correspondence can be found below.
		2. Please provide a copy of the Extraction Plan and Aboriginal Cultural Heritage Assessment Report that Supports the HMP.	At this point in time the main document of the Extraction Plan is still being developed, however on resubmission of this plan to Heritage NSW, a copy of the supporting Aboriginal Archaeological Report has been provided.
		3. Section 3.1 states that the Extraction Plan and HMP 'largely' fits with expected subsidence and impacts approved as part of the SSD modification. Please clarify this point and how Extraction Plan differs from the approved.	Section 3.1 has been updated accordingly.
		4. Please include a figure of the proposed longwalls, the angle of draw, and any buffer for far field horizontal impacts in the HMP.	An additional figure (Figure 7.) has been included to represent these areas.
		5. Please clarify why Section 3.7.3.1 has been modified to remove reference to the area of sensitivity and replaced with 100m^2.	Section 3.7.3.1 has been updated to provide a more specific area size than that which was previously documented in the HMP.
		6. Please update Section 3.7.6 to include RAPs to be present for site inspection where potential remediation of subsidence impacts is required, rather than just a qualified archaeologist.	Section 3.7.6 has been updated to be consistent with Section 5.1.
		7. Heritage NSW recommends that we are included in the consultation process if the removal of scarred trees or grinding grooves are proposed by the mine.	Section 3.7.5 has been updated to include consultation requirements with Heritage NSW as required.
		8. Please ensure that Heritage NSW (heritagemailbox@environment.nse.gov.au) and the DPHI (compliance@planning.nsw.gov.au) are notified as soon as practicable of any non-compliance with the HMP.	Section 5.4 has been updated to include Heritage NSW notification email. Notifications of incidents to DPHI is currently undertaken via the Planning Portal,

Document Version	Raised By	Consultation Feedback	Outcome
		9. Please include methodologies for the various management measures, including the demarcation of sites to be avoided, surface collection, and indicative testing and salvage methodologies. These methodologies should be developed in consultation with the RAPs.	Section 3.7 of this HMP provides details of these management measures that have been developed in consultation with the RAPs. No further action is required.



Maxwell Underground Project - Updated Draft Heritage Management Plan

GO

Oakes, Geordie
To Oakes, Geordie

Reply | Reply All | Forward

Thu 30/05/2024 3:54 PM

Bcc aga.services@hotmail.com; cacatua4service@tpg.com.au; dedemaree3@hotmail.com; gidawaa.walang@hotmail.com; Manager@hvabcorp.org.au; Wonn1sites@gmail.com; tn.miller@southernphone.com.au; yinarrculturalservices@gmail.com; murrabidgeemullangari@yahoo.com.au; admin@ungooroo.com.au; Mareewaugh30@hotmail.com; deshickey@bigpond.com; Widescope.group@live.com; scott@tocomwall.com.au; yinarculturalservices@bigpond.com; didgengunawalclan@yahoo.com.au; ceo.wanaruah@bigpond.com; valleyelmcorp@bigpond.com; wedgetail59@outlook.com; merrigarn@hotmail.com; amandahickey@live.com.au; murugadi@yahoo.com.au; waarlan12@outlook.com; Aliera.french.trading@hotmail.com; cazadirect@live.com; Donna McLaughlin; tracey@marrung-pa.com.au; Muragadi; ceo@wanaruahlandcouncil.com.au; wallangan@outlook.com; Donna McLaughlin

240502 Maxwell UG Project - HMP (For Consultation).pdf
3 MB

Dear Stakeholder,

Please find attached the updated draft Heritage Management Plan for the Maxwell Underground Project for your review.

Should you have any comments on the draft Heritage Management Plan please provide these by email, mail or over the phone to Geordie Oakes via the contact details on this email.

Please note that the closing date for comments is 28 June 2024.

All the best,

Geordie Oakes

Principal Heritage Specialist, AECOM
M 0410513509
geordie.oakes@aecom.com

AECOM
Level 21, 420 George Street,
Gadigal Land, Sydney 2000
Q410, QVB Post Office, Sydney 2000
T 8934 0000
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Oakes, Geordie

From: Tracey Skene <tracey@marrung-pa.com.au>
Sent: Thursday, 30 May 2024 4:01 PM
To: Oakes, Geordie
Subject: Re: Maxwell Underground Project - Updated Draft Heritage Management Plan

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You have not previously corresponded with this sender.

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Hi Geordie hope your well , will have a look and make comment but on all my plan of managements that come through there is one thing I would like added to them which is

This plan of management works under the current Aboriginal Cultural Heritage legislation, however it will need to be reconsidered as policy and legislations change. This plan of management should be a living document with the ability to adapt to both the cultural and legislative environments as they grow and change.

Will add anything further after I fully read this
Tracey Skene
Culturally Aware

Kind regards
Tracey Skene
7 Crawford Place,Millfield NSW 2325
Mobile 0474106537

On Thu, 30 May 2024 at 3:55 PM, Oakes, Geordie <Geordie.Oakes@aecom.com> wrote:

> Dear Stakeholder,
>
> Please find attached the updated draft Heritage Management Plan for the Maxwell Underground Project for your review.

Should you have any comments on the draft Heritage Management Plan please provide these by email, mail or over the phone to Geordie Oakes via the contact details on this email.

Please note that the closing date for comments is 28 June 2024.

All the best,

Geordie Oakes

Principal Heritage Specialist, AECOM
M 0410513509
geordie.oakes@aecom.com

AECOM

Level 21, 420 George Street,
Gadigal Land, Sydney 2000
Q410, QVB Post Office, Sydney 2000
T 8934 0000

aecom.com

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Oakes, Geordie

From: Rhonda Ward <Wedgetail59@outlook.com>
Sent: Friday, 31 May 2024 11:36 AM
To: Oakes, Geordie
Subject: Re: Maxwell Underground Project - Updated Draft Heritage Management Plan

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Hi Geordie. Everything seems alright to me. From uccs

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From: Oakes, Geordie <Geordie.Oakes@aecom.com>
Sent: Thursday, May 30, 2024 3:53:50 PM
To: Oakes, Geordie <Geordie.Oakes@aecom.com>
Subject: Maxwell Underground Project - Updated Draft Heritage Management Plan

Dear Stakeholder,

Please find attached the updated draft Heritage Management Plan for the Maxwell Underground Project for your review.

Should you have any comments on the draft Heritage Management Plan please provide these by email, mail or over the phone to Geordie Oakes via the contact details on this email.

Please note that the closing date for comments is 28 June 2024.

All the best,

Geordie Oakes

Principal Heritage Specialist, AECOM
M 0410513509
geordie.oakes@aecom.com

AECOM
Level 21, 420 George Street,
Gadigal Land, Sydney 2000
Q410, QVB Post Office, Sydney 2000
T 8934 0000
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Oakes, Geordie

From: Darleen Johnson <murrabidgeemullangari@yahoo.com.au>
Sent: Friday, 7 June 2024 1:54 PM
To: Oakes, Geordie
Subject: Re: Maxwell Underground Project - Updated Draft Heritage Management Plan

Hi Geordie,
I have read the project information and updated the draft heritage management plan for the above project, I endorse the recommendations made.
Kind regards
Darleen
0490051102

On Thursday, 30 May 2024 at 03:56:13 pm AEST, Oakes, Geordie <geordie.oakes@aecom.com> wrote:

Dear Stakeholder,

Please find attached the updated draft Heritage Management Plan for the Maxwell Underground Project for your review.

Should you have any comments on the draft Heritage Management Plan please provide these by email, mail or over the phone to Geordie Oakes via the contact details on this email.

Please note that the closing date for comments is 28 June 2024.

All the best,

Geordie Oakes

Principal Heritage Specialist, AECOM
M 0410513509
geordie.oakes@aecom.com

AECOM

Level 21, 420 George Street,
Gadigal Land, Sydney 2000

1

Q410, QVB Post Office, Sydney 2000
T 8934 0000

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Oakes, Geordie

From: Amanda De Zwart <amandahickey@live.com.au>
Sent: Wednesday, 26 June 2024 7:18 AM
To: Oakes, Geordie
Subject: Re: Maxwell Underground Project - Updated Draft Heritage Management Plan

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Hi Geordie

Thank you for email AHCS is happy and supports the updated draft Heritage Management Plan for the Maxwell Underground.
Thank you have a great day
Amanda Hickey AHCS

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From: Oakes, Geordie <Geordie.Oakes@aecom.com>
Sent: Thursday, May 30, 2024 3:53:50 PM
To: Oakes, Geordie <Geordie.Oakes@aecom.com>
Subject: Maxwell Underground Project - Updated Draft Heritage Management Plan

Dear Stakeholder,

Please find attached the updated draft Heritage Management Plan for the Maxwell Underground Project for your review.

Should you have any comments on the draft Heritage Management Plan please provide these by email, mail or over the phone to Geordie Oakes via the contact details on this email.

Please note that the closing date for comments is 28 June 2024.

All the best,

Geordie Oakes

Principal Heritage Specialist, AECOM
M 0410513509
geordie.oakes@aecom.com

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Gadigal Land, Sydney 2000
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Department of Climate Change,
Energy, the Environment and Water

NSW GOVERNMENT

Our ref: DOC24/464205

Your ref: SSD-9526-PA-138

Alex Newton

anewton@malabarcoal.com.au

Letter uploaded to the Major Projects Planning Portal

Heritage Management Plan – State Significant Development

Proposal: Maxwell Underground Coal Mine

Major Project reference: SSD-9526-PA-138

Received: 14 June 2024

Dear Alex,

Thank you for your referral seeking advice on the Heritage Management Plan (HMP) dated 30 May 2024 for the above State Significant Development. Thank you for the continued opportunity to comment on the project.

The HMP provided does not include the results of consultation with the registered Aboriginal parties. Please update the plan with the results of consultation and provide further information to demonstrate the specific consultation interactions regarding the HMP (such as an email with all relevant email addresses shown) to demonstrate consultation with registered Aboriginal parties in accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents* (DECCW 2010).

Following revision of the Heritage Management Plan to address the above comments, please resubmit the Plan to Heritage NSW for comment.

If you have any questions regarding these comments, please contact Alison Lamond, Senior Assessments Officer, at Heritage NSW on 0419 762 918 or alison.lamond@evironment.nsw.gov.au.

Yours sincerely

Nicole Davis

Nicole Davis
Manager Assessments
Heritage NSW
Department of Climate Change, Energy, the Environment and Water
As Delegate under *National Parks and Wildlife Act 1974*
10 July 2024

Donna Tiananga

From: Oakes, Geordie <Geordie.Oakes@aecom.com>
Sent: Wednesday, 12 February 2025 10:52 AM
To: Oakes, Geordie
Subject: Maxwell Underground Project - Updated Draft Heritage Management Plan
Attachments: 250212 Maxwell UG Project - HMP (for consultation) CLEAN.pdf

Dear Stakeholder,

Please find attached the updated draft Heritage Management Plan for the Maxwell Underground Project for your review.

Should you have any comments on the draft Heritage Management Plan, please provide them by email, mail or phone to Geordie Oakes using the contact details in this email.

Please note that the closing date for comments is **13 March 2025**.

All the best,

Geordie Oakes

Principal Heritage Specialist, AECOM
M 0410513509
geordie.oakes@aecom.com

AECOM
Level 21, 420 George Street,
Gadigal Land, Sydney 2000
Q410, QVB Post Office, Sydney 2000
T 8934 0000
aecom.com

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Oakes, Geordie

From: Darleen Johnson <murrabidgeemullangari@yahoo.com.au>
Sent: Wednesday, 12 February 2025 5:14 PM
To: Oakes, Geordie
Subject: Re: Maxwell Underground Project - Updated Draft Heritage Management Plan

Hi Geordie
I have read the project information and updated the draft heritage management plan for the above project; I endorse the recommendations made.
Kind regards
Darleen
0490051102

On Wednesday 12 February 2025 at 10:54:46 am AEDT, Oakes, Geordie <geordie.oakes@aecom.com> wrote:

Dear Stakeholder,

Please find attached the updated draft Heritage Management Plan for the Maxwell Underground Project for your review.

Should you have any comments on the draft Heritage Management Plan, please provide them by email, mail or phone to Geordie Oakes using the contact details in this email.

Please note that the closing date for comments is **13 March 2025**.

All the best,

Geordie Oakes

Principal Heritage Specialist, AECOM
M 0410513509
geordie.oakes@aecom.com

AECOM

Level 21, 420 George Street,
Gadigal Land, Sydney 2000

1

Oakes, Geordie

From: Ceo <ceo@wanaruahlandcouncil.com.au>
Sent: Wednesday, 12 February 2025 11:31 AM
To: Oakes, Geordie
Subject: RE: Maxwell Underground Project - Updated Draft Heritage Management Plan

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You have not previously corresponded with this sender.

Report Suspicious

Hi Geordie

I have sent this to our Board to see if they have any feedback.

Dee

Kind Regards
De-anne Douglas OAM
CEO Wanaruah Local Aboriginal Land Council

19 Maitland Road
Muswellbrook
02 65431288

From: Oakes, Geordie <Geordie.Oakes@aecom.com>
Sent: Wednesday, 12 February 2025 10:52 AM
To: Oakes, Geordie <Geordie.Oakes@aecom.com>
Subject: Maxwell Underground Project - Updated Draft Heritage Management Plan

Dear Stakeholder,

Please find attached the updated draft Heritage Management Plan for the Maxwell Underground Project for your review.

Should you have any comments on the draft Heritage Management Plan, please provide them by email, mail or phone to Geordie Oakes using the contact details in this email.

Please note that the closing date for comments is **13 March 2025**.

All the best,

Geordie Oakes

Principal Heritage Specialist, AECOM
M 0410513509
geordie.oakes@aecom.com

AECOM
Level 21, 420 George Street,
Gadigal Land, Sydney 2000

1

Dominic Brown

From: Dominic Brown
Sent: Thursday, 24 April 2025 1:39 PM
To: reception@aboriginalaffairs.nsw.gov.au; enquiries@aboriginalaffairs.nsw.gov.au
Cc: Trescinda Brown; Donna Tiananga
Subject: RE: Maxwell Underground Mine: Consultation on the Heritage Management Plan
Attachments: 250314 Maxwell UG Project - HMP (for consultation) TRACKED.pdf; 250314 Maxwell UG Project - HMP (for consultation) CLEAN.pdf

Good afternoon,

I am just following up on our previous submission for comment on the revised Maxwell Underground Mine – Heritage Management Plan.

If you could please confirm if you have any comments or intend to provide feedback that would be much appreciated.

Regards,

Dominic Brown
Environment and Community Superintendent
MALABAR
dbrown@malabarresources.com.au
T +61 2 6542 0298
M +61 4 2025 2378
Thomas Mitchell Drive
Muswellbrook, NSW 2333 Australia
www.malabarresources.com.au

From: Donna Tiananga
Sent: Wednesday, 19 March 2025 2:01 PM
To: reception@aboriginalaffairs.nsw.gov.au; enquiries@aboriginalaffairs.nsw.gov.au
Subject: Maxwell Underground Mine: Consultation on the Heritage Management Plan

Hi,

Please find attached for your review and comment a copy of the revised Heritage Management Plan (HMP) for the Maxwell Underground Mine. A clean and tracked changes version of the document has been provided to assist with your review.

In February 2025, the existing HMP was updated for the development of the Woodlands Hill Longwalls 1-4 Extraction Plan. A copy of the revised document was provided to all Registered Aboriginal Parties (RAPs) for consultation and comment. RAPs were provided with a minimum 28-day period to provide comments and a copy of the correspondence (including feedback) is included in the revised document.

The HMP has also been provided to Heritage NSW for review and comment.

Any feedback provided will be incorporated into the final plan that will be submitted to the Department of Planning, Housing and Infrastructure for their review and approval.

Maxwell kindly asks that you please provide any feedback by Wednesday 16th April 2025?

I would be happy to discuss any aspects of this email over the phone if that would assist.

Regards,

Donna Tiananga
Environment, Community and Approvals Manager

MALABAR

dtiananga@malabarresources.com.au
T +61 2 6542 0298
M +61 4 6778 7139
Thomas Mitchell Drive
Muswellbrook, NSW 2333 Australia
www.malabarresources.com.au

2

Department of Climate Change, Energy, the Environment and Water

Our ref: HMS ID 9629

Alex Newton
Malabar Coal
anewton@malabarcoal.com.au

Letter uploaded to the Major Projects Planning Portal

Heritage Management Plan – State Significant Development

Proposal: Maxwell Underground

Major Project reference: SSD-9526-PA-151

Received: 17 March 2025

Dear Alex,

Thank you for your referral seeking advice on the Heritage Management Plan (HMP) dated March 2025 for the above State Significant Development. Thank you for the continued opportunity to comment on the project.

The HMP forms an update to the 2024 approved plan to include Woodlands Hill Longwalls 1-4. Heritage NSW understands that this version of the HMP is currently out for consultation and comment with the Registered Aboriginal Parties (RAPs). As the HMP does not contain consultation on the latest changes on the HMP with the RAPs, Heritage NSW has only completed a preliminary review of the HMP. Based on the preliminary review, the following information is required:

1. Please provide documentation relating to the consultation process demonstrating that the draft HMP was provided to all RAPs and copies of any responses received. This can comprise of copies of dated email records with all relevant email addresses shown and/or delivery / read receipts of the correspondence.
2. Please provide a copy of the Extraction Plan and Aboriginal Cultural Heritage Assessment Report that supports the HMP. These documents are required to ensure that the HMP complies with the conditions and expectations for management of Aboriginal cultural heritage.
3. Section 3.1 states that the Extraction Plan and HMP 'largely' fits with expected subsidence and impacts approved as part of the SSD Modification. Please clarify this point and how the Extraction Plan differs from that approved.
4. Please include a figure of the proposed longwalls, the angle of draw, and any buffer for far field horizontal impacts in the HMP.

4PSQ, 12 Darcy Street, Parramatta NSW, 2150 (02) 9873 8500 www.environment.nsw.gov.au/topics/heritage
Locked Bag 5020, Parramatta 2124

5. Please clarify why Section 3.7.3.1 has been modified to remove reference to the area of sensitivity and replaced with 100m^2.
6. Please update Section 3.7.6 to include RAPs to be present for site inspection where potential remediation of subsidence impacts is required, rather than just a qualified archaeologist. This will ensure that this section is consistent with the rest of the HMP.
7. Heritage NSW recommends that we are included in the consultation process if the removal of scarred trees or grinding grooves are proposed by the mine.
8. Please ensure that Heritage NSW (Heritagemailbox@environment.nsw.gov.au) and the Department of Planning, Housing and Infrastructure (compliance@planning.nsw.gov.au) are notified as soon as practicable of any non-compliance with the HMP.
9. Please include methodologies for the various management measures, including the demarcation of sites to be avoided, surface collection, and indicative testing and salvage methodologies. These methodologies should be developed in consultation with the RAPs.

Following revision of the Aboriginal Cultural Heritage Management Plan to address the above comments, please resubmit the Plan to Heritage NSW for comment.

Please note that the above comments relate only to Aboriginal cultural heritage regulation matters. If you have any questions about this correspondence, please contact Corey O'Driscoll, Senior Assessments Officer at Heritage NSW on (02) 9873 8500 or heritagemailbox@environment.nsw.gov.au

Yours sincerely,

Alison Lamond

Alison Lamond
A/Manager
Major Projects
Heritage NSW
Department of Climate Change, Energy, the Environment and Water
As Delegate under *National Parks and Wildlife Act 1974*
28 March 2025

4PSQ, 12 Darcy Street, Parramatta NSW, 2150 (02) 9873 8500 www.environment.nsw.gov.au/topics/heritage
Locked Bag 5020, Parramatta 2124

APPENDIX 6 – AHIMS SITES (MANAGED UNDER SSD 9526)

Site	Type	Significance	Impacts	Management
37-2-1954	Quarry	High	Potential subsidence	Monitoring (every 3 years + during secondary workings for Woodlands Seam). If impacted, salvage excavation
37-2-1955	Quarry	High	n/a	Not relocated
37-2-0004	Artefact scatter + PAD	Moderate	Direct	Surface collection completed. Salvage excavation to be completed. Monitoring during secondary workings for Woodlands Seam.
37-2-0069	Artefact scatter + PAD	Low	Potential subsidence	Monitoring during secondary workings for Woodlands Seam. Surface collection if soil remediation required.
37-2-0073	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Woodlands Seam. Surface collection if soil remediation required
37-2-0074	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0075	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0076	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0077	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Woodlands Seam. Surface collection if soil remediation required
37-2-0078	Artefact scatter + PAD	Moderate	Potential subsidence	Monitoring during secondary workings for Whynot Seam. Surface collection and potential salvage excavation if soil remediation required
37-2-0080	Artefact scatter	Low	Direct	Surface collection completed
37-2-0082	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0089	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0090	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0362	Artefact scatter + PAD	Low	Direct	Surface collection completed
37-2-0363	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0364	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0365	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0366	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0367	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0368	Artefact scatter + PAD	Moderate	Potential subsidence	Monitoring. If impacted surface collection and potential salvage excavation
37-2-0369	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0370	Artefact scatter + PAD	Moderate	Potential subsidence	Monitoring. If impacted surface collection and potential salvage excavation
37-2-0371	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required

Site	Type	Significance	Impacts	Management
37-2-0372	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0373	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0374	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0375	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0376	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0377	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0378	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0379	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0380	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0381	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0382	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0383	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0396	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Woodlands Seam. Surface collection if soil remediation required.
37-2-0397	Artefact scatter + PAD	Low	Potential subsidence	Monitoring during secondary workings for Woodlands Seam. Surface collection if soil remediation required.
37-2-0398	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0399	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0400	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0401	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0402	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0403	Artefact scatter + PAD	Moderate	Potential subsidence	Monitoring. If impacted surface collection and potential salvage excavation
37-2-0404	Artefact scatter + PAD	Moderate	Potential subsidence	Monitoring during secondary workings for Whynot Seam. Surface collection and potential salvage excavation if soil remediation required
37-2-0405	Artefact scatter + PAD	Moderate	Potential subsidence	Monitoring during secondary workings for Whynot Seam. Surface collection and potential salvage excavation if soil remediation required
37-2-0406	Artefact scatter + PAD	Low	Potential subsidence	Monitoring during secondary workings for Whynot Seam. Surface collection if soil remediation required.
37-2-0407	Artefact scatter + PAD	Moderate	Potential subsidence	Monitoring. If impacted surface collection and potential salvage excavation
37-2-0408	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required

Site	Type	Significance	Impacts	Management
37-2-0409	Artefact scatter + PAD	Moderate	Potential subsidence	Monitoring during secondary workings for Whynot Seam. Surface collection and potential salvage excavation if soil remediation required
37-2-0410	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Woodlands Seam. Surface collection if soil remediation required.
37-2-0411	Artefact scatter + PAD	Moderate	Potential subsidence	Monitoring. If impacted surface collection and potential salvage excavation
37-2-0412	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0413	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0414	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0415	Artefact scatter + PAD	Low	Direct	Surface collection completed
37-2-0416	Artefact scatter + PAD	Low	Potential subsidence	Monitoring during secondary workings for Woodlands Seam. Surface collection if soil remediation required
37-2-0417	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0418	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-0419	Artefact scatter + PAD	Moderate	Potential subsidence	Monitoring. If impacted surface collection and potential salvage excavation
37-2-0505	Artefact scatter + PAD	Moderate	Direct	Surface collection completed. Salvage excavation required
37-2-1923	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-1928	Artefact scatter + PAD	Moderate	Potential subsidence	Monitoring during secondary workings for Whynot Seam. Surface collection and potential salvage excavation if soil remediation required
37-2-1929	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-1930	Artefact scatter + PAD	Moderate	Potential subsidence	Monitoring. If impacted surface collection and potential salvage excavation
37-2-1931	Artefact scatter	Low	Direct	Surface collection completed
37-2-1932	Artefact scatter	Low	Direct	Surface collection completed
37-2-1933	Artefact scatter + PAD	Low	Direct	Surface collection completed
37-2-1934	Artefact scatter + PAD	Low	Direct	Surface collection completed
37-2-1935	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-1936	Artefact scatter + PAD	Moderate	Potential subsidence	Monitoring during secondary workings for Woodlands Seam. Surface collection and potential salvage excavation if soil remediation required.
37-2-1937	Artefact scatter	Low	Direct	Surface collection completed
37-2-1938	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required

Site	Type	Significance	Impacts	Management
37-2-1939	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-1940	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-1941	Artefact scatter + PAD	Moderate	Potential subsidence	Monitoring. If impacted surface collection and potential salvage excavation
37-2-1942	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-1943	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-1946	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-1947	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-1956	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-1957	Artefact scatter	Low	Direct	Surface collection completed
37-2-1960	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-1961	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-1986	Artefact scatter + PAD	Moderate	Potential subsidence	Monitoring. If impacted surface collection and potential salvage excavation
37-2-2035	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-2329	Artefact scatter	Low	Not impacted	Conservation
37-2-2330	Artefact scatter	Low	Not impacted	Conservation
37-2-4226	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4227	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4228	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4234	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4235	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4236	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4239	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4240	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4241	Artefact scatter + PAD	Low	Potential subsidence	Monitoring during secondary workings for Woodlands Seam. Surface collection if soil remediation required.
37-2-4242	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Woodlands Seam. Surface collection if soil remediation required.
37-2-4243	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Woodlands Seam. Surface collection if soil remediation required.

Site	Type	Significance	Impacts	Management
37-2-4245	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4246	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Woodlands Seam. Surface collection if soil remediation required.
37-2-4247	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Woodlands Seam. Surface collection if soil remediation required.
37-2-4248	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4249	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4250	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4251	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4252	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4253	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4254	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4255	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4256	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4257	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4258	Artefact scatter + PAD	Moderate	Potential subsidence	Monitoring. If impacted surface collection and potential salvage excavation
37-2-4259	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4260	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4262	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4264	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4265	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Whynot Seam. Surface collection if soil remediation required
37-2-4266	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4267	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4268	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4269	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Whynot Seam. Surface collection if soil remediation required
37-2-4270	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Whynot Seam. Surface collection if soil remediation required
37-2-4271	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Whynot Seam. Surface collection if soil remediation required

Site	Type	Significance	Impacts	Management
37-2-4272	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Whynot Seam. Surface collection if soil remediation required
37-2-4274	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4275	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4276	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4277	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Woodlands Seam. Surface collection if soil remediation required.
37-2-4278	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4279	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4280	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4281	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Woodlands Seam. Surface collection if soil remediation required.
37-2-4282	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Woodlands Seam. Surface collection if soil remediation required
37-2-4283	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Woodlands Seam. Surface collection if soil remediation required
37-2-4284	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Woodlands Seam. Surface collection if soil remediation required
37-2-4285	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Woodlands Seam. Surface collection if soil remediation required.
37-2-4286	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Woodlands Seam. Surface collection if soil remediation required
37-2-4287	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4288	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4290	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4291	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4292	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4293	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4294	Artefact scatter	Low	Direct	Surface collection completed
37-2-4296	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4297	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4298	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4299	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Whynot Seam. Surface collection if soil remediation required
37-2-4300	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required

Site	Type	Significance	Impacts	Management
37-2-4301	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Whynot Seam. Surface collection if soil remediation required
37-2-4302	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Whynot Seam. Surface collection if soil remediation required
37-2-4303	Artefact scatter + PAD	Moderate	Potential subsidence	Surface collection if soil remediation required
37-2-4307	Artefact scatter	Low	Direct	Surface collection completed
37-2-4310	Artefact scatter	Low	Direct	Surface collection completed
37-2-4311	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4312	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4313	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4317	Artefact scatter	Low	Direct	Surface collection completed
37-2-4318	Artefact scatter	Low	Direct	Surface collection completed
37-2-4327	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4328	Artefact scatter	Low	Direct	Surface collection completed
37-2-4329	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4330	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4331	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4333	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4334	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Woodlands Seam. Surface collection if soil remediation required.
37-2-4335	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4336	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4337	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4338	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4339	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4340	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4341	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4342	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4343	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required

Site	Type	Significance	Impacts	Management
37-2-4344	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4345	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4346	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4347	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4348	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4349	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Whynot Seam. Surface collection if soil remediation required
37-2-4350	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Whynot Seam. Surface collection if soil remediation required
37-2-4351	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Whynot Seam. Surface collection if soil remediation required
37-2-4352	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4353	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4354	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4355	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Woodlands Seam. Surface collection if soil remediation required.
37-2-4356	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4357	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Whynot Seam. Surface collection if soil remediation required
37-2-4358	Artefact scatter	Low	Direct	Surface collection completed
37-2-4359	Artefact scatter	Low	Direct	Surface collection completed
37-2-4361	Artefact scatter	Low	Direct	Surface collection completed
37-2-4362	Artefact scatter	Low	Direct	Surface collection completed
37-2-4364	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4367	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4370	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4371	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4372	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4373	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4376	Artefact scatter	Low	Direct	Surface collection completed
37-2-4377	Artefact scatter	Low	Direct	Surface collection completed

Site	Type	Significance	Impacts	Management
37-2-4378	Artefact scatter	Low	Direct	Surface collection completed
37-2-4379	Artefact scatter	Low	Direct	Surface collection completed
37-2-4426	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4427	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4428	Artefact scatter	Low	Potential subsidence	Monitoring during secondary workings for Woodlands Seam. Surface collection if soil remediation required.
37-2-4432	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4512	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4536	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-4537	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5002	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5003	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5004	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5005	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5006	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5007	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5008	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5014	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5016	Artefact scatter	Low	Direct	Surface collection completed
37-2-5022	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5023	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5024	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5035	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5036	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5043	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5469	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5470	Artefact scatter	Low	Direct	Surface collection completed
37-2-5787	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required

Site	Type	Significance	Impacts	Management
37-2-5848	Isolated artefact	Low	Direct	Surface collection completed
37-2-5849	Isolated artefact	Low	Direct	Surface collection completed
37-2-5883	Isolated artefact	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5861	Isolated artefact	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5897	Isolated artefact	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5896	Isolated artefact	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5893	Isolated artefact	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5891	Isolated artefact	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5892	Isolated artefact	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5890	Isolated artefact	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5889	Isolated artefact	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5888	Isolated artefact	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5886	Isolated artefact	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5887	Isolated artefact	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5868	Isolated artefact	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5884	Isolated artefact	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5851	Isolated artefact	Low	Direct	Surface collection completed
37-2-5852	Isolated artefact	Low	Direct	Surface collection completed
37-2-5854	Isolated artefact	Low	Direct	Surface collection completed
37-2-5853	Isolated artefact	Low	Direct	Surface collection completed
37-2-5840	Artefact scatter	Low	Direct	Surface collection completed
37-2-5841	Artefact scatter	Low	Direct	Surface collection completed
37-2-5842	Artefact scatter	Low	Direct	Surface collection completed
37-2-5885	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5882	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5843	Artefact scatter	Low	Direct	Surface collection completed
37-2-5881	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required

Site	Type	Significance	Impacts	Management
37-2-5880	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5879	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5878	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5877	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5876	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5875	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5874	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5872	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5871	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5869	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5870	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5867	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5866	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5865	Artefact scatter + PAD	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5864	Artefact scatter	Low	Potential subsidence	Surface collection if soil remediation required
37-2-5844	Artefact scatter	Low	Direct	Surface collection completed
37-2-5845	Artefact scatter	Low	Direct	Surface collection completed
37-2-5846	Artefact scatter	Low	Direct	Surface collection completed
37-2-5847	Artefact scatter	Low	Direct	Surface collection completed
37-2-5862	Artefact scatter + PAD	Moderate	Potential subsidence	Monitoring. If impacted surface collection and potential salvage excavation
37-2-6042	Artefact scatter	Low	Direct	Surface collection completed
37-2-6041	Artefact scatter	Low	Direct	Surface collection completed

APPENDIX 7 – AHIMS SITES (PREVIOUSLY MANAGED UNDER PA 06_0202)

AHIMS No.	Site Name	Site Type	Easting (GDA 94 Zone 56)	Northing (GDA 94 Zone 56)	Status
37-2-2325	D1	Artefact Scatter	305074	6416069	Salvaged
37-2-2320	D2	Isolated Find	305176	6460550	Salvaged
37-2-2321	D3	Artefact Scatter	305279	6416047	Salvaged
37-2-2322	D4	Artefact Scatter	305230	6415960	Salvaged
37-2-2326	D5	Artefact Scatter	305215	6415891	Salvaged
37-2-2327	D6	Isolated Find	305583	6416460	Salvaged
37-2-2328	D7	Isolated Find	304469	6416633	Salvaged
37-2-2348	D8	Artefact Scatter	305350	6415942	Salvaged
37-2-2349	D9	Artefact Scatter	305504	6415960	Salvaged
37-2-2350	D10	Artefact Scatter	305660	6415981	Salvaged
37-2-2351	D11	Artefact Scatter	305421	6416050	Salvaged
37-2-2352	D12	Isolated Find	305283	6415888	Salvaged
37-2-2353	D13	Isolated Find	305337	6415875	Salvaged
37-2-2354	D14	Artefact Scatter	305781	6415786	Salvaged
37-2-2355	D15	Artefact Scatter	306003	6415415	Salvaged
37-2-2356	D16	Artefact Scatter	304942	6415925	Salvaged
37-2-2357	D17	Isolated Find	304809	6415854	Salvaged
37-2-2358	D18	Isolated Find	304847	6415798	Salvaged
37-2-2359	D19	Artefact Scatter	304940	6415628	Salvaged
37-2-2360	D20	Artefact Scatter	305054	6415475	Salvaged
37-2-2361	D21	Artefact Scatter	304680	6415390	Salvaged
37-2-2362	D22	Artefact Scatter	304491	6415684	Salvaged
37-2-2338	R1	Artefact Scatter	303622	6420533	Salvaged
37-2-2339	R2	Isolated Find	303676	6420568	Salvaged
37-2-2340	R3	Artefact Scatter	303739	6420466	Salvaged
37-2-2341	R4	Artefact Scatter	303691	6420285	Salvaged
37-2-2342	R5	Isolated find	305541	6420814	Conserved in-situ (fenced)
37-2-2343	R6	Artefact scatter	305781	6420794	Conserved in-situ (fenced)
37-2-2344	R7	Isolated find	305340	6420804	Conserved in-situ (fenced)
37-2-2345	R8	Isolated find	305423	6420729	Conserved in-situ (fenced)
37-2-2346	R9	Isolated find	305387	6420827	Conserved in-situ (fenced)
37-2-2347	R10	Isolated find	305655	6420655	Conserved in-situ (fenced)
37-2-2329	R11	Artefact scatter	305309	6420861	Conserved in-situ (fenced)
37-2-2330	R12	Artefact scatter	305256	6420814	Conserved in-situ (fenced)
37-2-2331	R13	Isolated find	304190	6420593	Conserved in-situ (fenced)
37-2-2332	R14	Isolated find	304197	6420635	Conserved in-situ (fenced)
37-2-2333	R15	Isolated find	304350	6420584	Conserved in-situ (fenced)
37-2-2323	R16	Isolated find	304353	6420590	Conserved in-situ (fenced)
37-2-2324	R17	Isolated find	304333	6420486	Conserved in-situ (fenced)

APPENDIX 8 – PLANNING SECRETARY APPROVAL