



Sydney Metro WSA - SSTOM - SWD – Survey Works - Environmental Review 004

SMWSASSM-PLD-SWD-SW000-SP-RPT-000001

Parklife Metro D&C

SMWSASSM-PLD-SWD-SW000-SP-RPT-000001

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Signature	[REDACTED]
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Planning Approval Environmental Review Form

SM-22-00008046

Sydney Metro – Metro Body of Knowledge (MBoK)

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Prepared by:	Parklife Metro
Prepared for:	Sydney Metro Western Sydney Airport, Stations, Systems, Trains, Operations and Maintenance Works (SSTOM)
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Environmental Review

1. Proposed works and justification

An environmental review is applicable to design changes which are consistent with the conditions of approval and would have negligible additional impacts on the community and/or the environment. This environmental review is required to demonstrate compliance with the conditions of approval and the Sydney Metro – Western Sydney Airport (SM-WSA) Environmental Impact Statement (EIS), Submissions Report and EPBC Act Final Environmental Impact Assessment of off-airport proposed action (off-airport Final EIA). A description of activities is listed in Table 1 and an assessment provided in Section 2.

Table 1 Description of proposed works

Description	Overview
Location of works	<p>Survey is required along a number of roads outside the construction boundary. The survey works will use existing survey control points (established by the prior SBT works contractor).</p> <p>The location of works is summarised in Figure 1 and shown in detail in Appendix A. Areas of survey that fall outside the construction boundary includes the following roads</p> <ul style="list-style-type: none"> • Lansdowne Road in Orchard Hills • Luddenham Road in Luddenham • Badgerys Creek Road in Bringelly <p>It is noted that the majority of the survey work is within the construction boundary (as shown in Appendix A) and that this Environmental Review addresses only the segments of work outside the approved construction boundary.</p> <p>The survey work is generally located within road reserves.</p>
Scope of works	<p>The scope of work is minor and includes non-intrusive survey work using hand held equipment only.</p> <p>Traffic management will be established as required to ensure protection of the survey team.</p>
Justification for works	<p>Survey control work is required to input into the digital design space and ensure a high degree of accuracy for Project design and construction. The reference framework established by control survey is standard best practice for building and infrastructure work.</p>
Timeframe for works	<p>The survey work is scheduled over a one week period commencing mid 2024 and following the approval of this environmental review:</p> <ul style="list-style-type: none"> • Approx. 1 – 2 days per site commencing mid 2024 and subject to weather and site conditions

Works	Survey	
	Method	Personnel and equipment
Traffic control	Set up of traffic controls as per the TGS/TGS	2-3 traffic controllers 1-2 light vehicles
Survey	-Standard survey equipment including tripod and theodolite -Foot access only -No removal of vegetation for access or survey	2 x surveyors 1-2 light vehicles 1 x total survey station / jigger More than 1 survey team may be working

The survey teams will have access to the existing site facilities at the station construction sites and no other ancillary facilities are proposed.

Work would be carried out during standard work hours as set out in Condition E38 of the Conditions of Approval.

(a) 7:00am to 6:00pm Mondays to Fridays, inclusive;
 (b) 8:00am to 1:00pm Saturdays; and
 (c) at no time on Sundays or public holidays

Out of hours works (OOHW) are not anticipated for these works. Any road occupancy licence (ROL) is expected to be issued for standard work hours.

Work hours, workforce and equipment / machinery

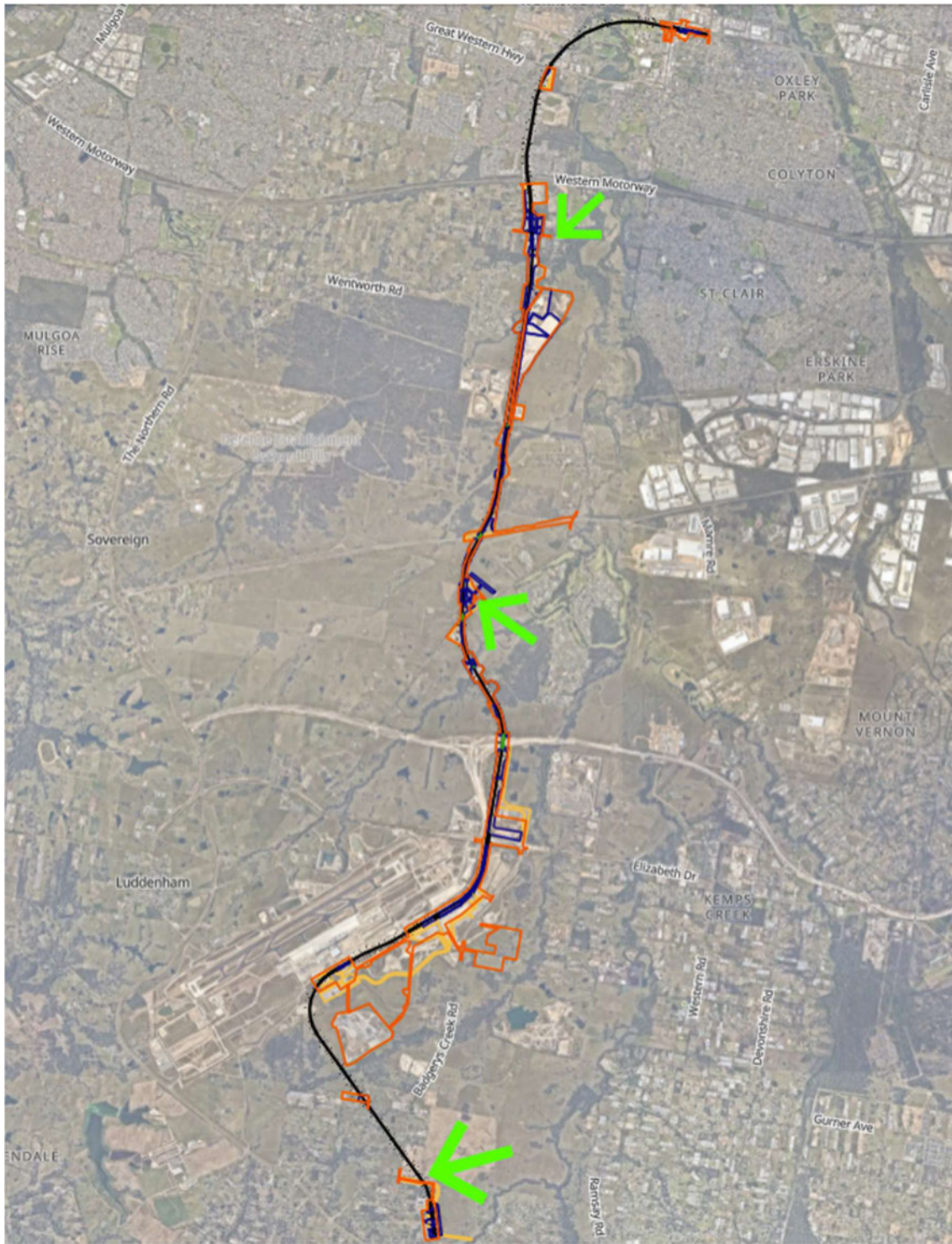


Figure 1 Overview - Locations for survey outside construction boundary

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2. Consistency with Conditions of Approval

The following table outlines whether the proposed changes would be consistent with the relevant Conditions of Approval.

Table 2 Comparison of the proposal with relevant elements of the Approved Project

Relevant elements of the Approved Project	Proposed Change
Performance Outcomes (POs) as revised in the SM-WSA Submissions Report including	
<p>Performance Outcome - Biodiversity</p> <p>The project design considers all feasible measures to avoid and minimise impacts on terrestrial and aquatic biodiversity</p>	<p>No clearing or disturbance of vegetation is required for the survey work.</p> <p>The work will avoid impacts on threatened flora and fauna species, and ecological communities listed under the <i>Biodiversity Conservation Act 2016</i> (NSW) and <i>Environment Protection and Biodiversity Conservation Act 1999</i> (Cth).</p>
<p>Performance Outcome – Non-Aboriginal Heritage</p> <p>The design, construction and operation of the project facilitates, to the greatest extent possible, the long term protection, conservation and management of the heritage significance of items of environmental heritage The design, construction and operation of the project avoids or minimises impacts, to the greatest extent possible, on the heritage significance of environmental heritage.</p>	<p>The survey work will be undertaken within existing road reserve corridors. The work is non intrusive. No historic heritage items have been identified within the works areas.</p> <p>The works will not impact any items of historic heritage significance.</p>
<p>Performance Outcome – Aboriginal Heritage</p>	<p>The survey work will be undertaken within existing road reserve corridors. The work is non intrusive. A basis AHIMS search was carried out (29/05/24) to confirm no additional Aboriginal heritage items have been added to the AHIMS database in addition to those already identified through the EIS assessment phase. The AHIMS search results are provided in Appendix B. No additional sites were identified, and no non-Aboriginal heritage items have been identified within the works areas.</p> <p>The works will not impact any known Aboriginal objects or sites.</p>
<p>SSI CoA E2 – Minimising clearing of native vegetation</p>	<p>The project team have confirmed that clearing of vegetation would not be required as works are non intrusive will be undertaken in within the existing road reserve.</p>
<p>SSI CoA E36 – The Unexpected Heritage Finds and Human Remains Procedure must be implemented</p>	<p>The proposed works will be subject to the Sydney Metro Unexpected Heritage Finds and Human Remains Procedure.</p>
<p>SSI CoA E38 Construction Hours</p> <p>Work must only be undertaken during the following hours:</p> <p>(a) 7:00am to 6:00pm Mondays to Fridays, inclusive;</p> <p>(b) 8:00am to 1:00pm Saturdays; and</p> <p>(c) at no time on Sundays or public holidays.</p>	<p>All construction works will be undertaken during standard construction hours, in accordance with this condition.</p>

<p>SSI CoA E109</p> <p>Vehicles associated with the project workforce (including light vehicles and Heavy Vehicles) must be managed to:</p> <p>(a) minimise parking on public roads;</p> <p>(b) minimise idling and queueing on state and regional roads;</p> <p>(c) not carry out marshalling of construction vehicles near sensitive use (s);</p> <p>(d) not block or disrupt access across pedestrian or shared user paths at any time unless alternate access is provided; and</p> <p>(e) ensure spoil haulage vehicles adhere to the nominated haulage routes identified in the CTMP.</p>	<p>Traffic management will include work being carried out in accordance with the approved Traffic Management Plan or Traffic Guidance Scheme. All works will comply with the approved ROL where required. Traffic plans will ensure pedestrian, shared paths and all public access is appropriately managed.</p> <p>All parking within publicly available parking unless otherwise allowed by the specific traffic approvals.</p> <p>No idling, queueing or marshalling of vehicles will be required. Spoil haulage is not applicable to these works.</p>
<p>SSI CoA E110 – Access to all utilities and properties must be maintained during works, unless otherwise agreed with the relevant utility owner, landowner or occupier.</p>	<p>The survey works may temporarily cross access to private property however the very short term nature of the work and highly moveable nature of the survey equipment will ensure access to properties can be maintained at all time. No utilities will be impacted. Parklife Metro community consultation team will consult with residential landholders along the survey routes where required in accordance with the approved Community Communications Strategy – Delivery SMWSASSM-PLD-1NL-PC-PLN-000065.</p>
<p>REMM AH9 – Works within the bounds of existing Aboriginal Heritage Impact Permit areas should be undertaken in accordance with the conditions of those permits and with permission from the relevant Aboriginal Heritage Impact Permit holder. Works undertaken within the revised boundaries on Defence Establishment Orchard Hills (Commonwealth land) should be undertaken in accordance with the Defence Establishment Orchard Hills Heritage Management Plan.</p>	<p>AHIP No. C0003861, issued for the development of the Sydney Science Park, which incorporates the Luddenham Station area, is adjacent the survey areas on Luddenham Road areas. As the proposed survey works are outside the boundary of the AHIP (and within the road reserve) no further action is required under REMM AH9.</p> <p>The Unexpected Heritage Finds Procedure would be implemented during work.</p>
<p>EPBC 2020/8687</p>	<p>Not considered further as the works would not impact protected matters or extend into or affect Commonwealth Land.</p>

3. Environmental review

The following table provides a risk review of the potential environmental impacts of the proposed works.

Table 3 Environmental review

Environmental review	Yes / No	Description of impacts (including consideration of safeguards required by the Approved Project)
Is the proposal to take place outside of the construction footprint of the project	Yes	Access to survey marks is required by the survey team to complete survey control works. The works are non-intrusive and low impact by nature. No additional impacts are predicted for these works outside the construction boundary.
Is the location of works within the existing EPL premise boundary	No	EPL no 21807 has been issued to Webuild S.P.A for the Sydney Metro Western Sydney Airport - Stations, Systems, Trains, Operations and Maintenance (SSTOM) Package.

		The scope of the survey works triggers no risk of incident that pertains to the issue of the EPL. Specifically, the work is not scheduled activity as listed in Schedule 1 of the <i>Protection of the Environment Operations Act 1997</i> and pollution to air, water and/or land are not potential outcomes of the proposed survey work. The EPL premise boundary will not be amended to incorporate these works.
Will the works take longer than 2 weeks to complete.	No	The survey works will take approximately 1 week to complete commencing mid 2024, subject to weather and site conditions. Potential community impacts will be managed through the consultation and OOHW process. Potential traffic management will be managed through the traffic management process, CTMP and include consultation with the TTLG along with works in accordance with required ROLs.
Does the work require OOHW approval	No	OOHW are not anticipated for the works. However, if OOHW are stipulated by ROL conditions or other requirements additional assessment and approval processes would be followed, in accordance with the PLM OOHW Procedure for the project
Will the works impact an EEC or threatened species	No	The clearing of EEC and impacts to threatened species are not required.
Will works impact on native vegetation	No	The clearing of native vegetation is not required.
Will the works impact on habitat trees	No	Clearing habitat trees is not required.
Will clearing of non EECs or ground disturbance be of High / moderate condition vegetation. What is the area of impact	No	No clearing or ground disturbance in areas of high or moderate value vegetation will occur. Protection of vegetation will be communicated to the workforce during specific survey team toolbox talks.
Will the works result in medium / high noise or vibration impacts Will noise and vibration impacts on sensitive receivers be greater than that predicted in the EIA	No	The works will be low impact and no impacts to residential or other sensitive receivers are expected. Management of noise impacts will be communicated to the workforce during specific survey team toolbox talks.
Will the works result in medium/high air quality impacts	No	No air quality impacts are anticipated from the survey works
Will the activity be located adjacent to or in close proximity to sensitive receivers	Yes	The works would be in proximity to residential receivers. Sensitive receivers would be notified of the upcoming works. Further community notification and mitigation measures would also be completed if OOHW are required.
Would there be additional impact from what was predicted in the EIS on an Aboriginal / Historic heritage site as a result of the works	No	There are no known Aboriginal or non-Aboriginal heritage within the works areas and due to the low impact and non-intrusive nature of the work the potential for impact to any heritage site is considered negligible. The Unexpected Heritage Finds Procedure will be implemented for the works. Prior to works commencing, a toolbox will be delivered to the workforce to communicate the requirements of the Unexpected Finds Procedure. Management of heritage and the Unexpected Finds Procedure will be communicated to the workforce during specific survey team toolbox talks.

Are works within 10m of a watercourse	No	The proposed works are not within 10m of a watercourse. No Erosion and Sediment Control Planning is required due to the low impact and non-intrusive nature of the work.
Are works in an area of known contamination	No	Due to the low impact and non-intrusive nature of the work the likelihood of disturbing contaminated materials is considered low. The Contamination and Asbestos Unexpected Finds Procedure will be implemented during the construction works as outlined in the approved Soil and Water Management Sub-plan - SMWSASSM-PLD-1NL-PC-PLN-000020. The Unexpected Contamination Finds Procedure will be communicated to the workforce during specific survey team toolbox talks.
Will the works result in temporary or long-term traffic impacts	Yes	Traffic controls will be installed in accordance with the approved TMP or TGS and approved ROL where applicable. The primary traffic impacts anticipated may be a temporary lowering of speed past the work areas and/or lane disruption to create safe work spaces within the active road lanes and road reserve area. There are no anticipated long-term traffic impacts and access to properties would be maintained at all times. Temporary impacts would be localised and can be managed appropriately by the existing conditions of approval, REMMs and performance outcomes.
Will the works result in visual impacts to sensitive receivers	No	The addition of a survey and traffic management workers and accompanying light vehicles is not considered a visual impact. Works will be completed at each location within 1-2 days depending on weather.
Will the works involve significant earthworks	No	The survey works are non-intrusive and will not involve earthworks.

4. Recommendation

Based on the above assessment, and with reference to the SM-WSA EIS and Submissions Report, including the conditions of approval and associated CEMP and plans, it is recommended that:

✓	The proposed design/construction change is consistent with the Approved Project SM-WSA EIS and Submissions Report, including the conditions of approval, has negligible impacts on the community and environment and no further assessment is required.
	The proposed design/construction change is likely to be consistent with the Approved Project Approved Project SM WSA EIS and Submissions Report, however more than a negligible impact on the community and environment may result and further assessment in the form of a Planning Approval Consistency Assessment form is required to be completed and submitted to the Planning team for the proposed design/ construction change.
	The proposed design/ construction change is not substantially the same as the Approved Project and is considered a radical transformation. A new planning pathway should be considered.

5. Certification

The above information provides a true and fair review of the proposed works.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Position: Parklife Metro D&C Environment Manager

6. Endorsement

I have reviewed the above review and provide the following endorsement:

✓	The proposed design/construction change is consistent with the Approved Project SM-WSA EIS and Submissions Report, has negligible impacts on the community and environment and no further assessment or modification of the planning approval is required.
	The proposed design/construction change is likely to be consistent with the Approved Project SM-WSA EIS and Submissions Report, however more than negligible impacts are expected on the community and environment and further assessment is required.
	The proposed design/construction change constitutes a project modification and requires further assessment and approval.

This endorsement is conditional on the following:

1. All works will be carried out in accordance with the Approved Project SM-WSA EIS and Submissions Report and the Project Conditions of Approval.
2. All works will be carried out in accordance with the approved Construction Environmental Management Plan and any relevant sub plans.

Signed:	
Endorsed by:	
Date:	07/06/2024

Appendix A – Figures



Figure A1 Proposed survey works at Orchard Hills (survey works outside the construction boundary are circled)

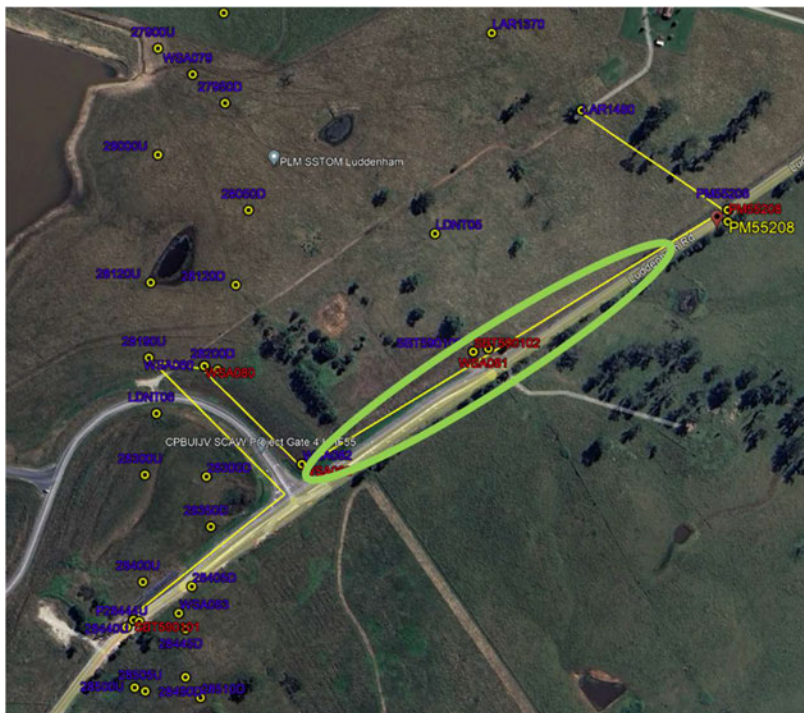


Figure A2 Proposed survey works at Luddenham (survey works outside the construction boundary are circled)

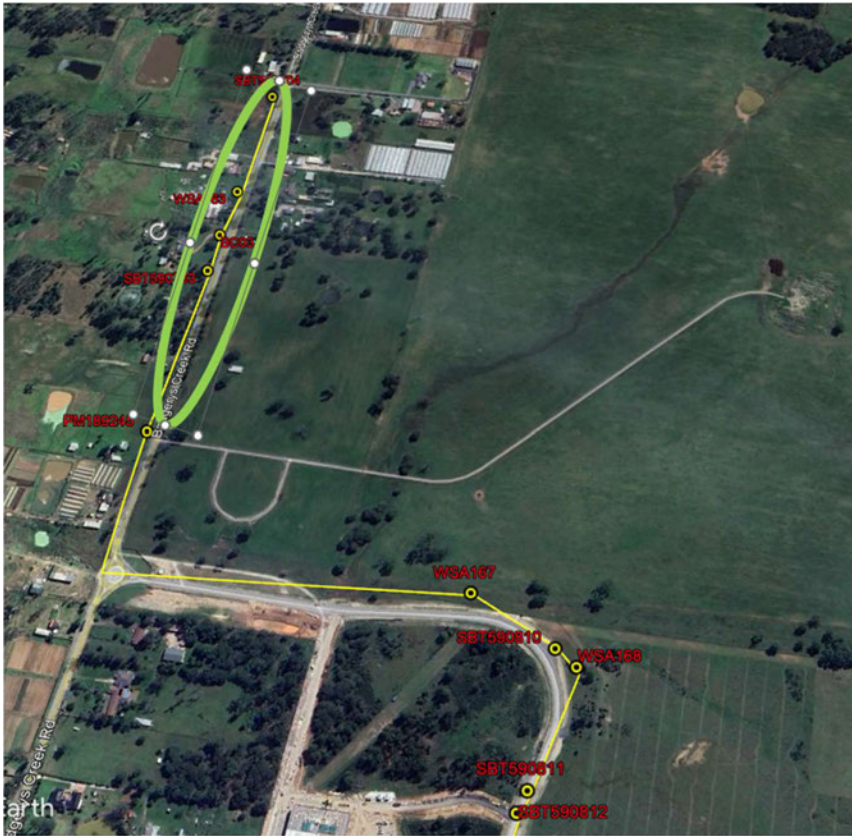


Figure A3 Proposed survey works at Baderys Creek Road (AEC) (survey works outside the construction boundary are circled)

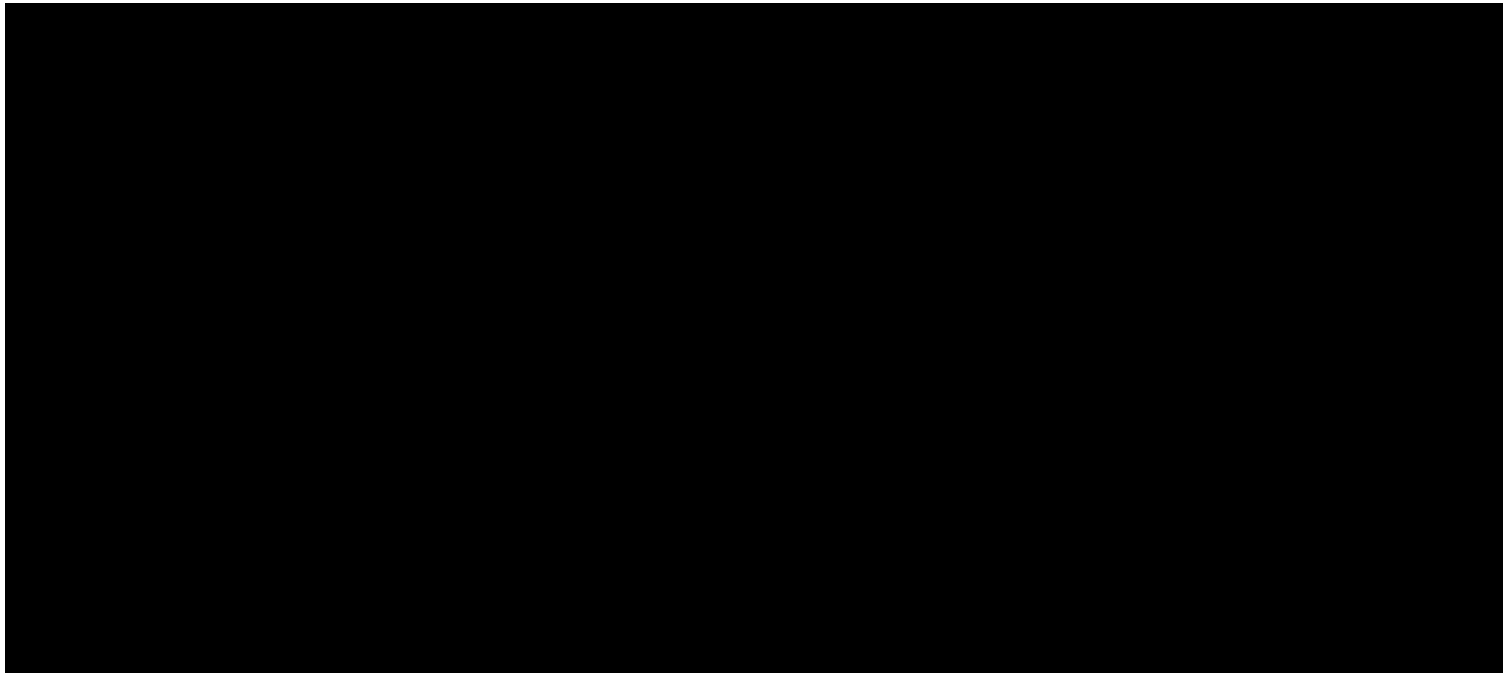


Figure A2 Boundary of existing AHIPs

Appendix A – AHIMS Search Results



AHIMS Web Services (AWS) Search Result

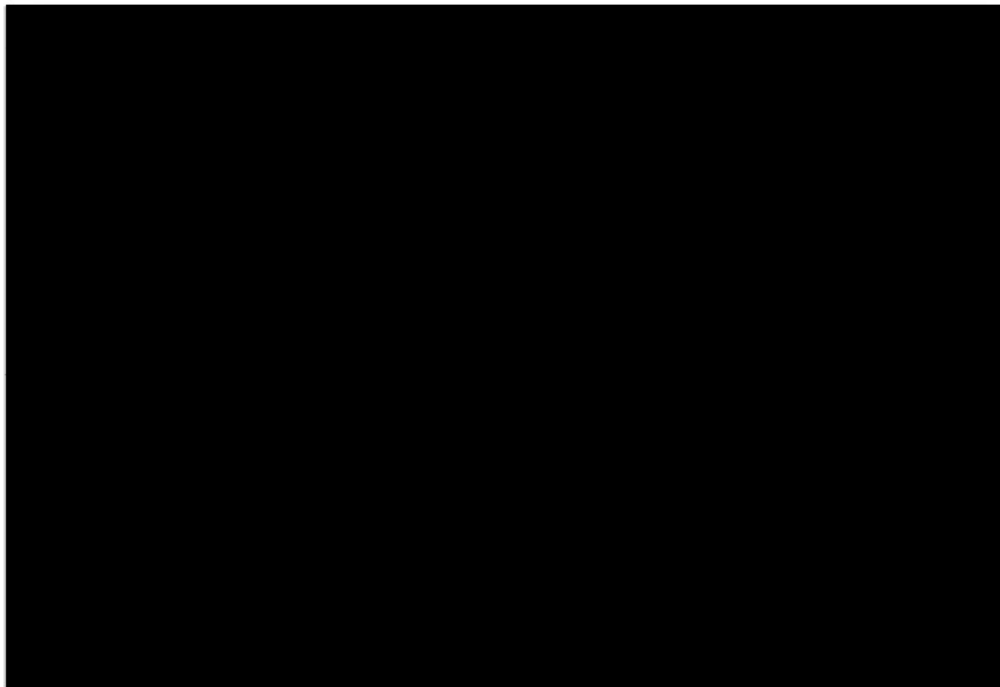
Your Ref/PO Number : ER04_3 Badgerys

Client Service ID : 896325

Date: 29 May 2024



The context area of your search is shown in the map below. Please note that the map does not accurately display the exact boundaries of the search as defined in the paragraph above. The map is to be used for general reference purposes only.



A search of Heritage NSW AHIMS Web Services (Aboriginal Heritage Information Management System) has shown that:

5	Aboriginal sites are recorded in or near the above location.
0	Aboriginal places have been declared in or near the above location.*

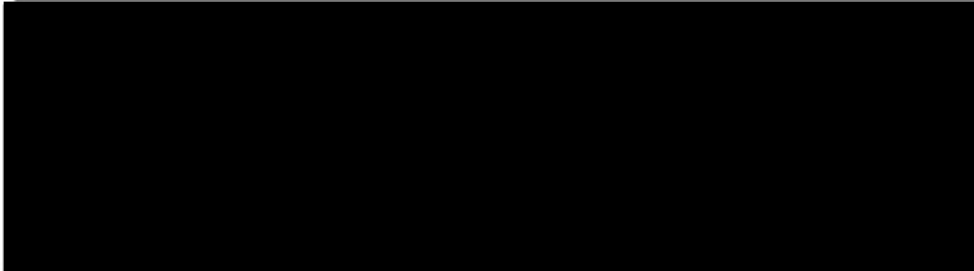


AHIMS Web Services (AWS) Search Result

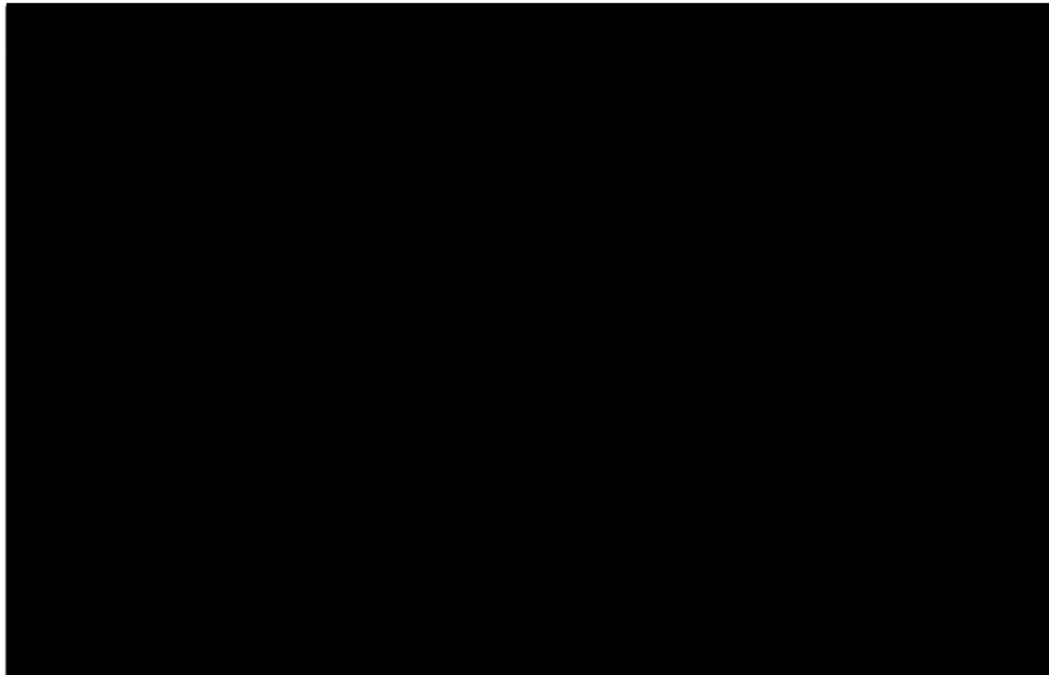
Your Ref/PO Number : ER04_1 Luddenham

Client Service ID : 896311

Date: 29 May 2024



The context area of your search is shown in the map below. Please note that the map does not accurately display the exact boundaries of the search as defined in the paragraph above. The map is to be used for general reference purposes only.



A search of Heritage NSW AHIMS Web Services (Aboriginal Heritage Information Management System) has shown that:

4	Aboriginal sites are recorded in or near the above location.
0	Aboriginal places have been declared in or near the above location. *

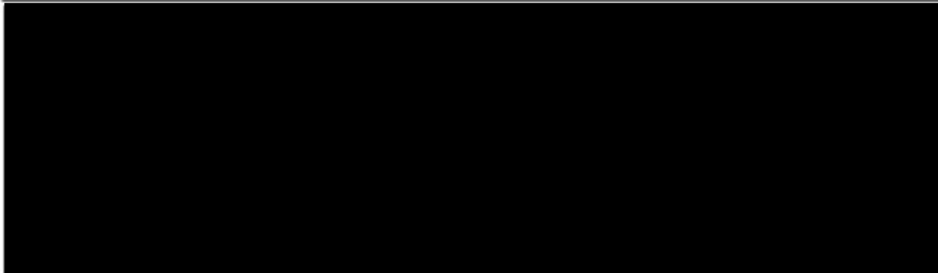


AHIMS Web Services (AWS) Search Result

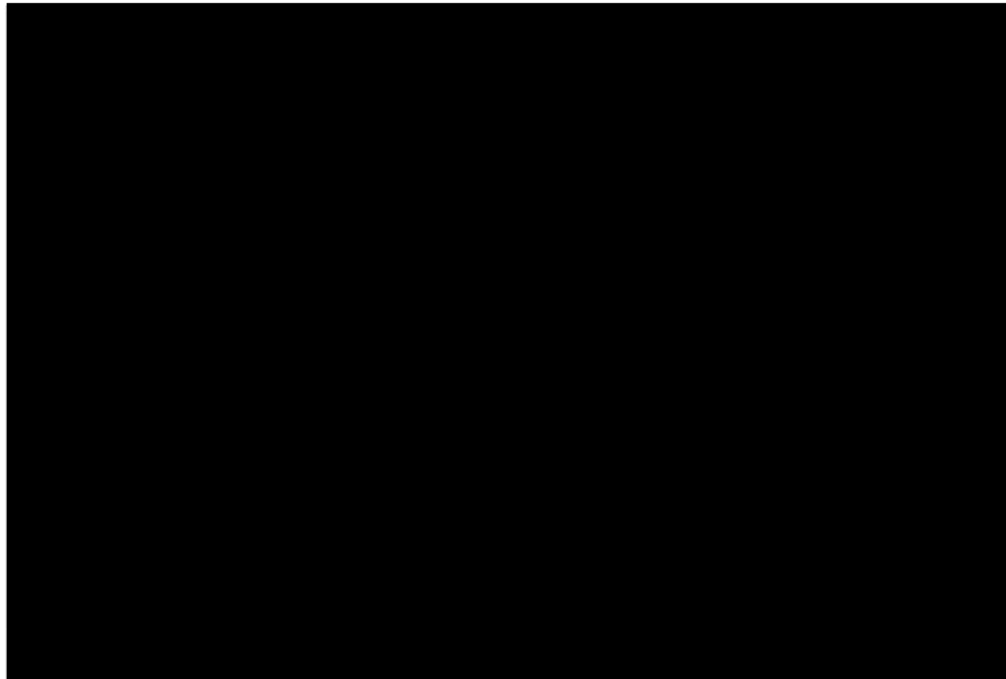
Your Ref/PO Number : ER04_1 Samuel Marsden

Client Service ID : 896302

Date: 29 May 2024



The context area of your search is shown in the map below. Please note that the map does not accurately display the exact boundaries of the search as defined in the paragraph above. The map is to be used for general reference purposes only.



A search of Heritage NSW AHIMS Web Services (Aboriginal Heritage Information Management System) has shown that:

0	Aboriginal sites are recorded in or near the above location.
0	Aboriginal places have been declared in or near the above location. *