



The Driftway

Stage 1 - Procedure for Aboriginal Cultural
Heritage Consultation and Investigation

July 2024

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The Driftway

Stage 1 - Procedure for Aboriginal Cultural Heritage Consultation and Investigation

July 2024

Issue and Revision Record

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A	24/11/2023	M. Armson	B. Calvert	A. Steedman	Draft
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Stage 1 Procedure for Aboriginal cultural heritage consultation and investigation:

Resource 3

Aim

The project manager (or their representative) must provide the information requested in this checklist to the regional Aboriginal cultural heritage adviser. This information will assist them in determining whether the project may affect Aboriginal cultural heritage in accordance with Stage 1 of the procedure.

Contact details for this project

Name of project:

New Richmond Bridge and traffic improvements - Stage 1

Project manager:

Shubhangi Rampure, 0429 505 981, Shubhangi.Rampure@transport.nsw.gov.au

Environmental officer undertaking/managing the environmental impact assessment:

Kristen Taylor, 0467 812 504, Kristen.Taylor@transport.nsw.gov.au

Corporate communications officer, if any

[Insert name, work number, mobile number, email address]

Date:

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Executive summary

Transport for NSW (Transport) has proposed to upgrade approximately 3.6 kilometres of The Driftway between Londonderry Road and Blacktown Road as part of the New Richmond Bridge and traffic improvements – Stage 1 The Driftway (the Project). Transport prepared *The New Richmond Bridge and traffic improvements – Stage 1 - The Driftway Review of Environmental Factors (REF)* (Transport 2021) in November of 2021, referred to in this report as the “Project REF”. A submissions report dated March 2022 was prepared to respond to submissions raised and the Project was determined to proceed in March 2022.

Transport developed the detailed design, following the determination of Project REF. The detailed design process identified proposed modifications to meet design standards and Project objectives. This has required an Addendum REF (AREF) to be prepared to assess any potential impacts associated to the proposed modification.

The key features of the proposed modification are listed below:

- The implementation of an additional southbound lane on the Londonderry Road roundabout
- Adjustment to the ancillary facility layout to avoid flood prone areas
- Changes to the road network surrounding the Hawksbury Waste Management Facility (HWMF)
- Addition of an additional maintenance access track entry point from Blacktown Road to replace the crossing over a tributary of Rickaby's Creek
- Reconfiguration of the intersection between Luxford Road and The Driftway
- Design optimisation of swales, batters and safety barrier throughout the length of the Project REF and Addendum REF area.

Therefore, this assessment has been prepared to assess any additional impacts associated to the above modifications in accordance with the Stage 1 PACHCI assessment guidelines, as outlined in the Road and Maritime Services (RMS) procedure for *Aboriginal cultural heritage consultation and investigation* (2011 20-24; 75-76). The assessment was used to determine if the project is likely to have a negative impact on Aboriginal cultural heritage.

A desktop assessment has found five Aboriginal Heritage Information Management System (AHIMS) sites in the vicinity of the Proposal area. However, only two sites are within the 200 metre buffer zone and no sites are located within the construction footprint. A review of the Native Title Register has identified zero additional claims applying to the Proposal area. There are no sandstone outcrops or Aboriginal art sites identified either inside, or in the vicinity of the proposal area. Three items from the State Heritage Inventory (NSW) were identified within the vicinity of the Proposal area, however none of these items have known specific Aboriginal cultural heritage values, places or objects.

In addition, previous activities along The Driftway have caused a marked amount of prior alteration, including the construction of road and rail corridors, cuttings and artificial embankments, which have also modified the course of several waterways. Land cropping and residential development has also resulted in disturbance throughout the area.

Given the above factors and the absence of recorded Aboriginal sites and places within the construction footprint, the proposal, Stage 1 – The Driftway, is not expected to impact any Aboriginal heritage objects or places. Consequently, the Proposal is not anticipated to have any impact on Aboriginal cultural heritage values.

Although it is not anticipated that Aboriginal objects or sites will be encountered during ground disturbance works, mitigation measures have been recommended to manage potential impacts to unexpected finds.

1 Introduction

1.1 Project background

Transport for NSW (Transport) has proposed to upgrade approximately 3.6 kilometres of The Driftway between Londonderry Road and Blacktown Road as part of the New Richmond Bridge and traffic improvements – Stage 1 The Driftway (the Project). Transport prepared *The New Richmond Bridge and traffic improvement – Stage 1 The Driftway Review of Environmental Factors (REF)* (Transport 2021) in November of 2021, referred to in this report as the “Project REF”. A submissions report dated March 2022 was prepared to respond to submissions raised and the Project was determined to proceed in March 2022.

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- Reconfiguration of the intersection between Luxford Road and The Driftway

Design optimisation of swales, batters and safety barrier throughout the length of the Project REF and Addendum REF area.

1.2 Purpose of this document

The aim of a Stage 1 assessment is to prepare a desktop-level study to determine whether proposed modification is likely to have a negative impact on Aboriginal cultural heritage, and whether further assessment or investigation is required.

1.3 Project site

The location of the approved Project REF boundary and AREF boundary adjusted for the proposed modifications are presented in Figure 1-1 to Figure 1-11.



Figure 1-1 Londonderry Road north intersection Project boundary adjustments



Figure 1-2 Londonderry Road south intersection Project boundary adjustments



Figure 1-3 Londonderry Road east of intersection Project boundary adjustment



Figure 1-4 The Driftway between Londonderry Road and Luxford Road Project boundary adjustment



Figure 1-5 The Driftway and Luxford Road Project boundary adjustments



Figure 1-6 The Driftway east of Luxford Road Project boundary adjustments



Figure 1-7 The Driftway west of ancillary facility Project boundary adjustments



Figure 1-8 Ancillary facility Project boundary adjustments



Figure 1-9 Reynolds Road Project boundary adjustments



Figure 1-10 Blacktown Road Project boundary adjustments

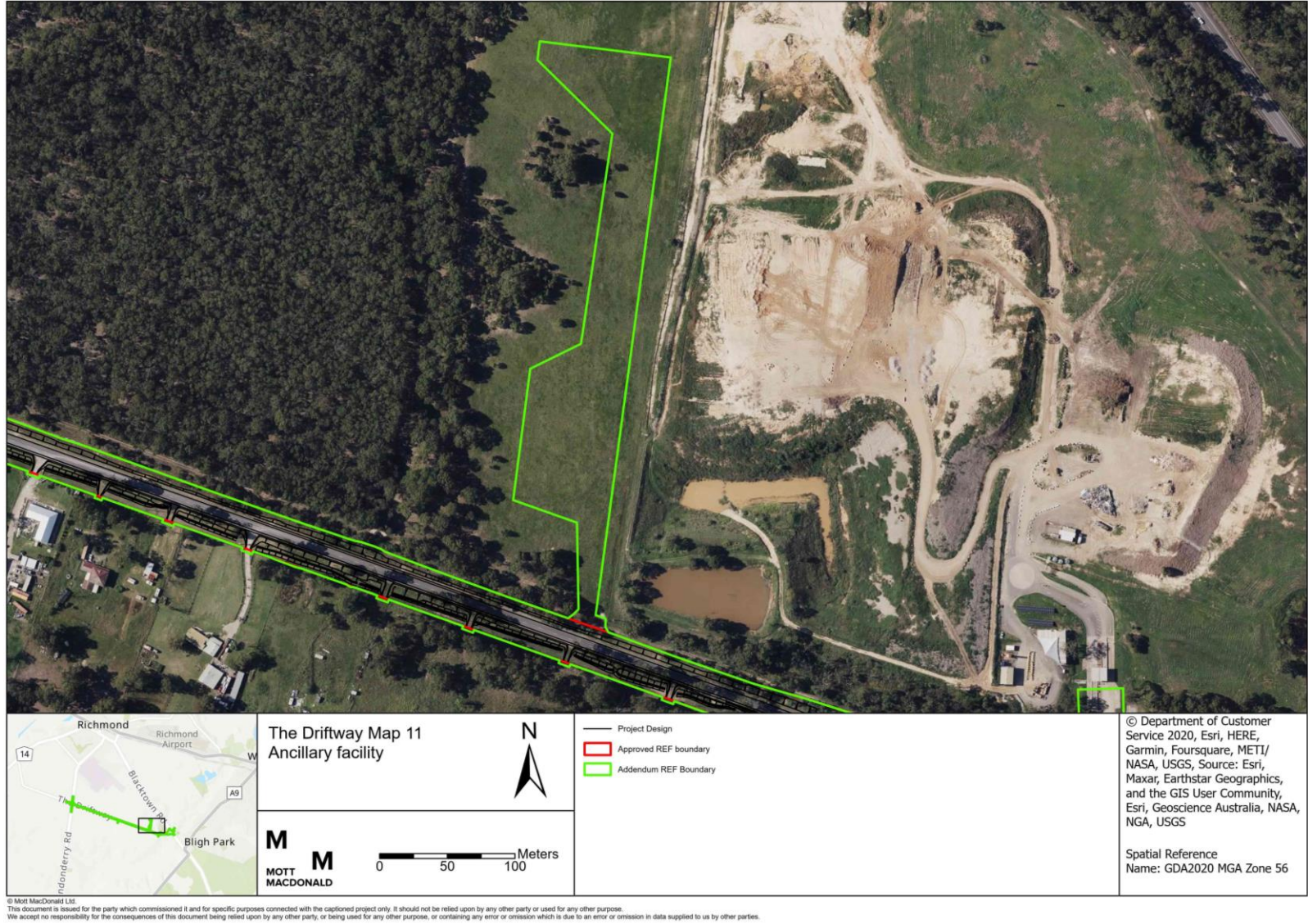


Figure 1-11 Ancillary facility Project boundary adjustments

2 Proposal description

2.1 Rationale

Richmond Bridge is currently operating at capacity during morning and afternoon peak periods, resulting in congestion and increased travel times on the Richmond and North Richmond Road networks. Predicted population and traffic growth in the area will continue to exacerbate this problem and increase the risk of crashes. Local road networks, such as The Driftway, already have a poor safety record. From August 2015 to June 2020, 29 crashes occurred on The Driftway between the intersections of Londonderry Road and Blacktown Road.

To reduce congestion between Richmond and North Richmond town centres, cater for future growth and improve connectivity and road safety, and improve travel times, TfNSW presented five route options to the community for feedback in late 2019. Each of the five route options included a new bridge over the Hawkesbury River to provide capacity for future traffic growth, long term traffic management, and various alignments to either upgrade through, or bypass Richmond and North Richmond town centres.

In early 2020, four options were shortlisted for further assessment, with the option to upgrade through Richmond town centre removed due to community feedback. Each of the four shortlisted options was intended to provide improvements to The Driftway between Londonderry and Blacktown Roads as part of a Richmond town centre bypass route, resulting in increased traffic volumes on The Driftway. While traffic volumes would not be sufficient to require additional lanes on The Driftway, safety improvements such as pavement and intersection improvements would be necessary.

2.2 Proposal description

Key features of the Stage 1 proposal include:

- Upgrade of the intersection of Londonderry Road / The Driftway to a roundabout
- Upgrade of The Driftway intersections with Luxford Road and Reynolds Road to channelised right turn T-junctions
- Realignment of 230 metres of The Driftway at its eastern extent to create a four-leg roundabout with Blacktown Road and Racecourse Road
- A new 24 metre long bridge over a tributary of Rickabys Creek
- A new 30 metre long retaining wall along the north western corner of Racecourse Road and Blacktown Road
- Pavement improvements to 3.6 kilometres of The Driftway, including widening both shoulders to 1.5 metres
- Modifications to driveways and property adjustment works
- Removal of the redundant section of The Driftway and its intersection with Blacktown Road. Reshaping of this area for flood storage capacity
- Drainage improvements along The Driftway
- Relocation and/or adjustments to public utilities and street lighting
- Ancillary work including safety barriers, signage, line marking and environmental protection work
- Landscaping and rehabilitation work
- Temporary ancillary construction facility and laydown areas

3 Methodology

This assessment has been prepared in accordance with the Stage 1 PACHCI assessment guidelines, as outlined in the *Road and Maritime Services procedure for Aboriginal cultural heritage consultation and investigation* (PACHI) (2011 20-24; 75-76).

A desktop assessment has been undertaken using:

- online geological databases
- searches of Aboriginal Heritage Information Management System (AHIMS) database
- Native Title Register
- Australian Heritage Database
- State Heritage Inventory (NSW)
- Relevant previous heritage assessments.

Table presents the Stage 1 – PACHI assessment checklist and the relevant status and location of the assessment information.

Table 3-1 Stage 1 – PACHI assessment checklist

Action	Status	Location
<p>Item 1</p> <p>Attach an overview of the project. The overview must include the known scope and extent of the proposed works; compound site requirements; access and movement of plant; re-location and/or provision of utilities; the location of noise walls, sedimentation basins, shared pathways, cycle ways, etc...</p>	<input checked="" type="checkbox"/>	Section 1 of this memo
<p>Item 2</p> <p>Attach a map/plan of the study area that clearly outlines the extent and scope of the project. The map/plan should also include topographical information where available.</p>	<input checked="" type="checkbox"/>	Figure 1-1 to Figure 1-11 in this memo
<p>Item 3</p> <p>If land acquisition is required, provide details about this.</p>	<input checked="" type="checkbox"/>	Section 3.6 of the AREF
<p>Item 4</p> <p>Attach a brief description of current and past land use, where known. For example, the study area land is currently used as a car park/road reserve/farming/etc. and was formally used for a car park/road reserve/farming/etc...</p>	<input checked="" type="checkbox"/>	Section 4.2 of this memo
<p>Item 5</p> <p>Describe the timeframe for the project along with key milestones and deliverables.</p>	<input checked="" type="checkbox"/>	Section 3.3 of the AREF
<p>Item 6</p>	<input checked="" type="checkbox"/>	Section 4.3 of this memo

<p>Please attach the results of the Office of Environment and Heritage's Aboriginal Heritage Information Management System (AHIMS) Basic Search - https://www.environment.nsw.gov.au/licences/WhatInformationCanYouObtainFromAHIMS.html</p> <p>If required, please include the results of an AHIMS Extensive Search. These results should be plotted on a map/plan covering the study area.</p>		
<p>Item 7</p> <p>Attach the results of the following heritage searches relevant to the study area:</p> <ul style="list-style-type: none"> - Native Title Register search - State Heritage Inventory search - Australian Heritage Database search 	<input checked="" type="checkbox"/>	<p>Section 4.4 of this memo</p>
<p>Item 8</p> <p>Attach a copy of any heritage assessment (Aboriginal or non-Aboriginal) previously prepared for the study area/project?</p>	<input checked="" type="checkbox"/>	<p>Can be found in Appendix G of the AREF.</p>
<p>Item 9</p> <p>Attach a copy of any environmental impact assessment previously prepared for the study area/project?</p>	<input checked="" type="checkbox"/>	<p>This report is an appendix of the Addendum Review of Environmental Factors</p>

4 Existing Environment

The aim of a Stage 1 assessment is to prepare a desktop-level study to determine whether works proposed by TfNSW are likely to have a negative impact Aboriginal cultural heritage, and whether further assessment or investigation is required.

4.1 Landforms

The Driftway soil landscape is comprised mostly of Berkshire Park soils with a smaller area of Agnes Banks sands northwest of the proposal area. Both soil landscapes are located south and west of the Richmond township. The alluvial Berkshire Park soil landscape is characterised by dissected, gently undulating low rises on the Tertiary terraces of the Hawkesbury/Nepean. Landforms include flat terraces dissected by small drainage channels and narrow drainage lines with exposed areas of underlying geology, due to erosion. These soils are derived from the underlying Tertiary geology and consist of a sandy loam to sandy clay loam with inclusions of silcrete boulders of up to 20 centimetres in size overlying sandy clay and clay. The soils have a high level of wind erosion when cleared of vegetation. Gully, sheet and rill erosion are all present in dissected areas. The Agnes Banks sands are an aeolian/alluvial deposit which overlie the Berkshire Park soils at Agnes Banks and at Pitt Town. The soils comprise strongly leached and deep acidic sandy soils overlying yellow sandy clays which form low parallel dunes on flat terrace surfaces. Local relief is approximately seven metres, formed mostly by gradual slopes.

4.2 Brief Description of Past and Current Land Use

Land use practices have had a variable impact on the landscape within the study area. Existing road and rail corridors have modified the landscape by creating cuttings and artificial embankments in addition to modifying the course of several waterways. A number of dams and drainage line modifications have been constructed throughout the area, altering the area's hydrology and smaller-scale drainage patterns. Intensive cropping has taken place across the lower river terrace and vegetation clearance has contributed to the erosion of exposed soils along fence lines and infrastructure corridors. Ongoing rural and residential development has also contributed to ground disturbance.

Description of previous disturbance with areas of modification

A series of aerial photographs from 1947 to 1961 show that many areas now occupied by vegetation had been cleared during that period and the preceding decades. The intersection of the Driftway with Londonderry Road had largely been cleared a significant distance from the road by 1954 and was interspersed with dirt roads and trails. The area also contained several structures near the roadway, adding to the degree of disturbance (Figure 4-1).

As can be seen in Figure 4-2, the area surrounding and just south of the Blacktown Road intersection had also been cleared of most vegetation, up to the banks of Rickaby's Creek. Later developments included a sealed road and bridge over the Rickaby's creek crossing alongside the previous dirt road. The construction of the T-junction intersection of the Driftway with Blacktown Road in its current form also led to further disturbance in this area.

The southern edge of the Driftway was also utilised as agricultural land before becoming residential, resulting in further disturbance (Figure 4-2). In addition, several aerials from this period also reveal the construction of terraces and trails to the north of the Driftway, indicating moderate to high levels of disturbance in the areas in close proximity to and within the addendum REF Boundary (Figure 4-3).



Figure 4-1 Aerial photography taken 1954 of the intersection of The Driftway and Londonderry Road.



Figure 4-2 Aerial photography taken in 1954 displaying the area that is now the intersection of the Driftway and Blacktown Road.



Figure 4-3 Aerial photography taken in 1961 to the north of the Driftway showing terraced and cleared areas.

4.3 AHIMS Extensive Search, Maps, and Site Cards

An extensive search of the Aboriginal Heritage Information Management System (AHIMS) database was undertaken on the 4th of July 2024. These results are available in Appendix A AHIMS Search Results of this memo.

This search identified five AHIMS sites in the proximity of the construction footprint. None of the sites were located within the construction footprint itself though two of these sites are located within 200m of the construction boundary. Previous records from transport NSW also place one site in the north-west within the 200m buffer zone but neither AHIMS or TFNSW data places any of the sites within the construction footprint.

Site cards for each of the AHIMS sites are attached below.

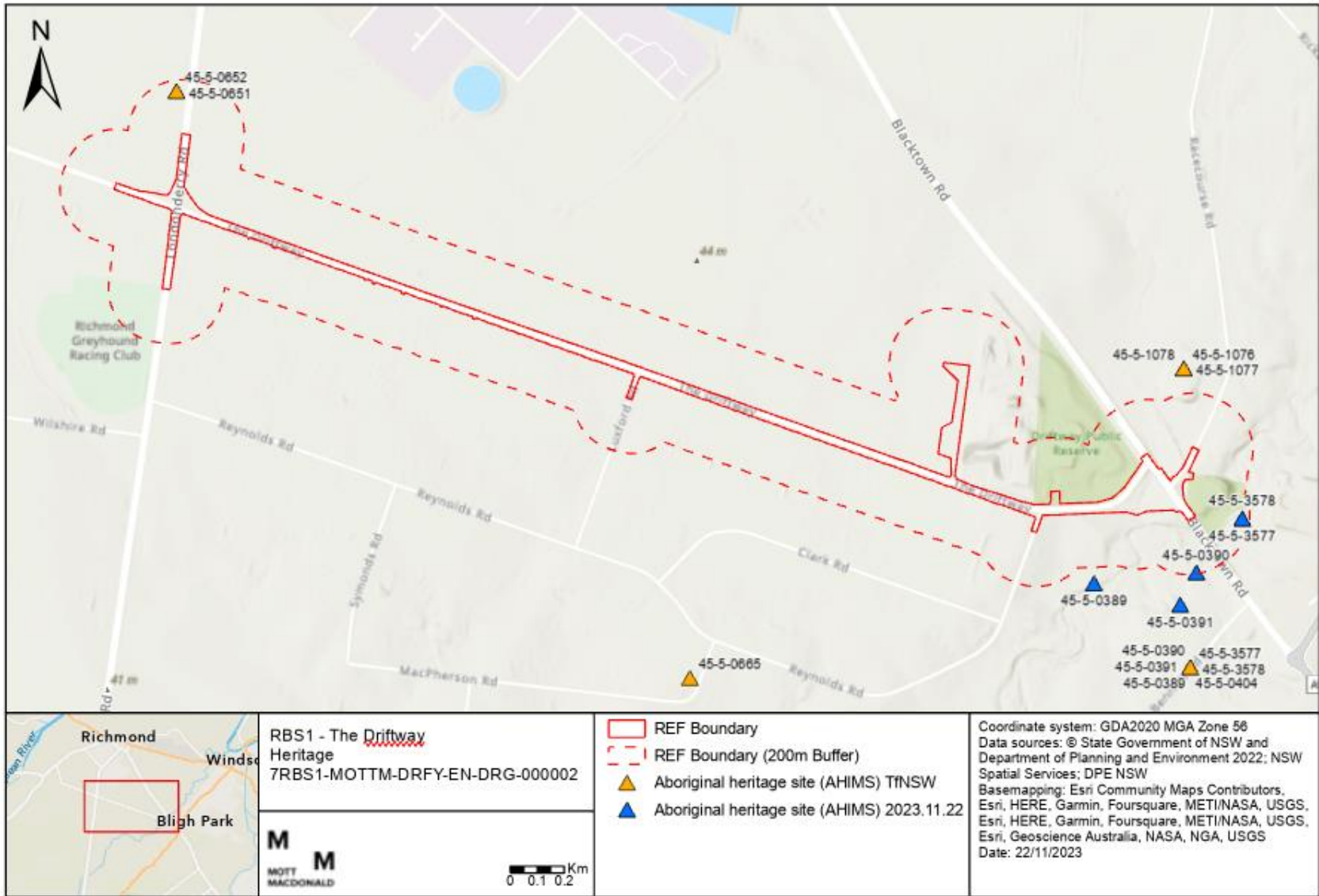


Figure 4-3 – Map of the proposed construction impact area with known Aboriginal heritage sites (extracted from the AHIMS database) in blue. Dotted red line denotes 200m buffer zone around the construction area. TfNSW records Aboriginal sites in locations marked in orange. All sites are outside the construction impact footprint.

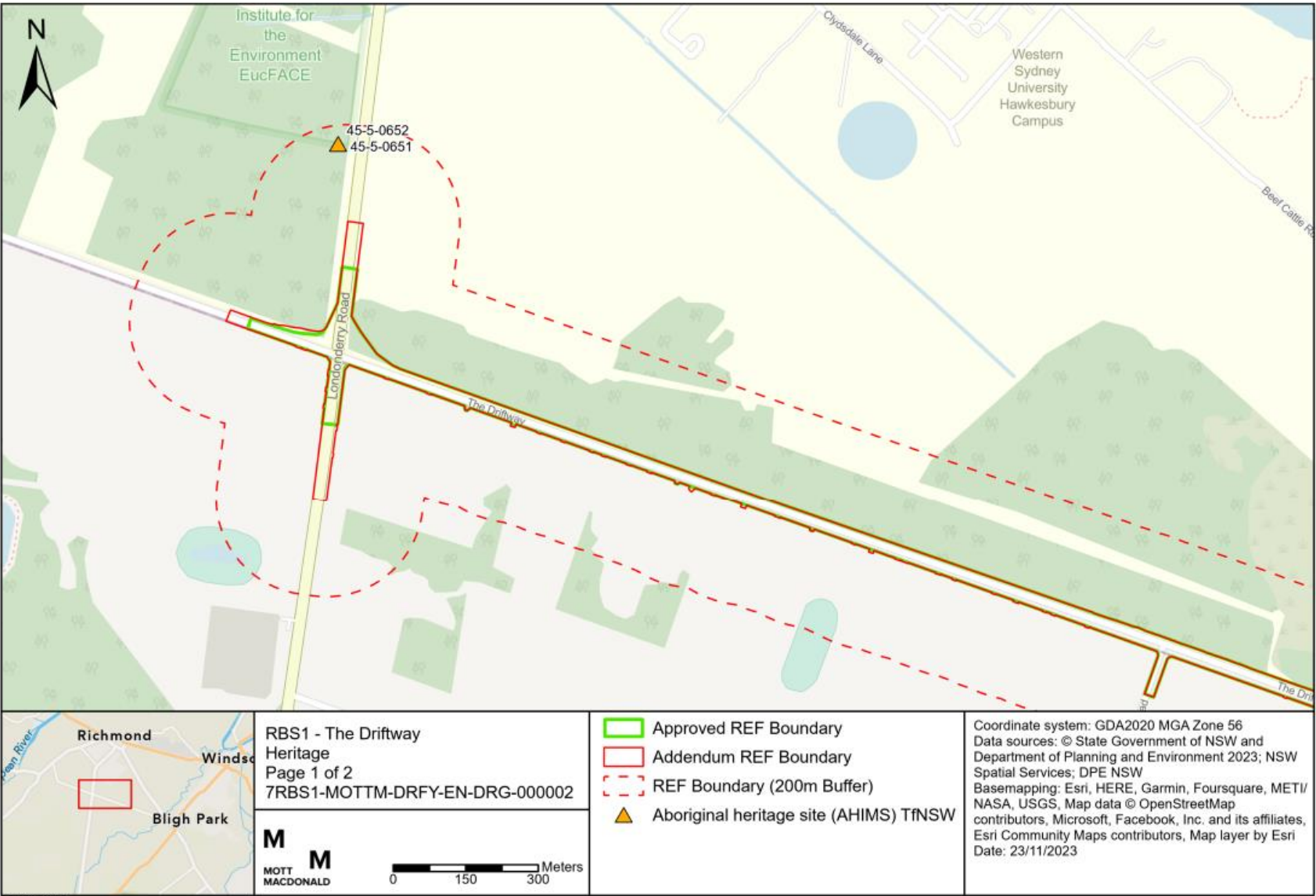


Figure 4-4 - High resolution map displaying the locations of AHIMS sites in relation to the approved and addendum construction boundary (Part 1).

July 2024

OFFICIAL

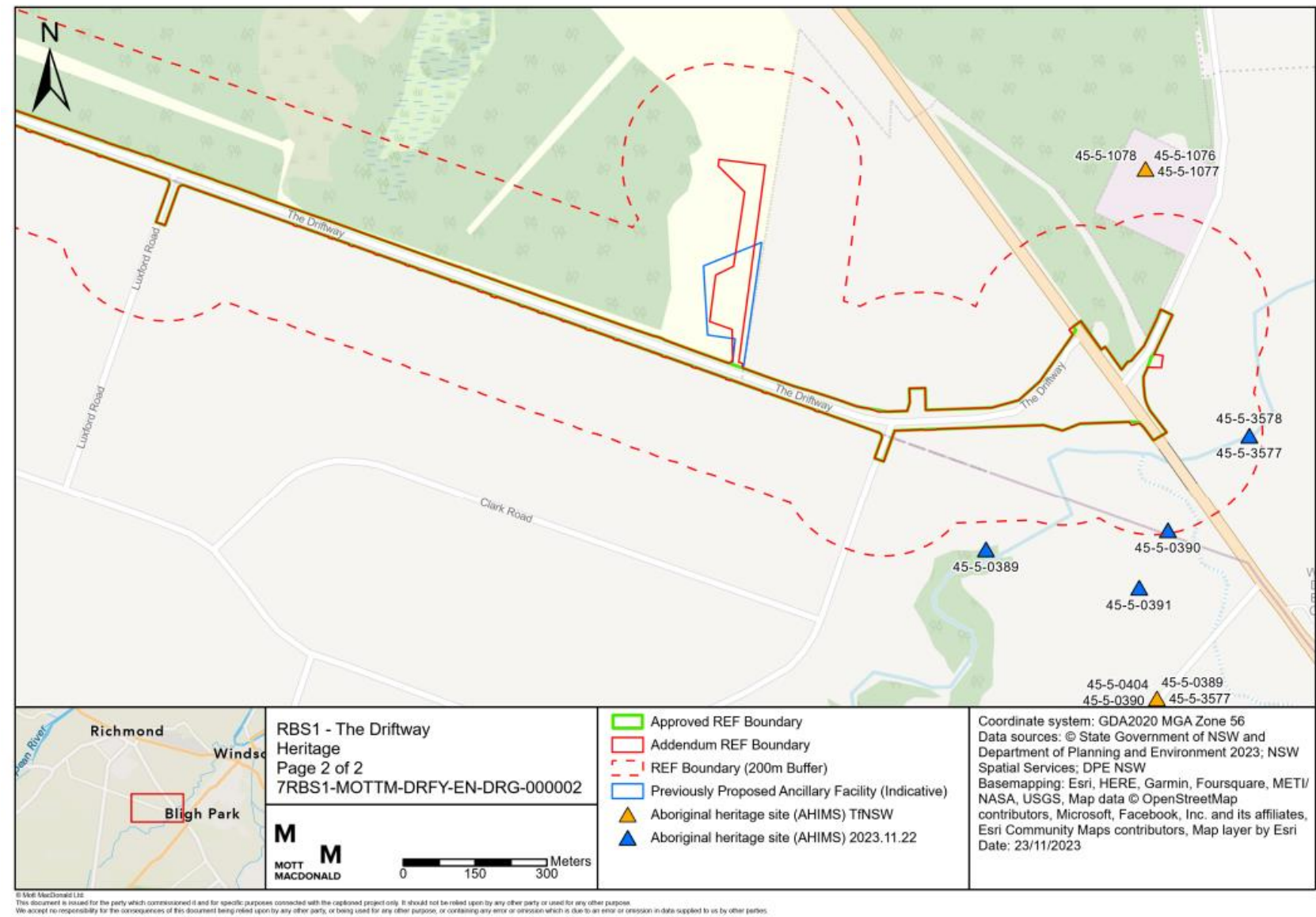




Figure 4-5 - High resolution map displaying the locations of AHIMS sites in relation to the approved and addendum construction boundary (Part 2).

Site Card for 45-5-0389

 National Parks and Wildlife Service Standard Site Recording Form				
MAP NAME PENRITH RIVERSTONE SYDNEY Windsor	EDITION 1975 1-AAS 1	SCALE 1:100000 1:25000 1:250000 1:63,360	REFERENCE 7586 9375 7586 9375 3775 8439 77504400	HEAD OFFICE USE ONLY: NWPS site no: 045-5-389 Site types: Open File nos:  Report filed with site no: 45-5-0389 Classification: Site status: Filed by: JGM Date: 10/10/83
Site name: RICKABYS CREEK 1 (RC/1)				
Local post office: WINDSOR				
Locality/property name: SOUTH WINDSOR				
NPWS District: SYDNEY Blue Mts Region: CENTRAL WESTERN				
Reason for investigation (give H.O. instruction no. or full title of accompanying report where applicable): WESTERN CUMBERLAND PLAIN SURVEY PLD RESEARCH				
Portion no: Parish:		Other land category: County: CUMBERLAND		Plan/sketch/section of site attached? Yes/No. How many?
Air photo refs. (for stereo pair)			Annotated photos attached? Yes/No How many?	
Condition of site: DISTURBED		Causes of damage/disturbance/threat to site: (Fill in separate management/protection recommendations sheet if necessary) BULLDOZING, RUBBISH DUMPING		
How to get to the site (refer to permanent features, give best approach to site eg. from above, below, along cliff. Draw diagram on separate sheet if necessary). TRAVEL ALONG RICHMOND RD TOWARDS RICHMOND. CROSS OVER RICKABYS CK and turn left into the Driftway. Site is on terrace overlooking the creek 200m down this road, opposite the garbage tip				
Other sites in locality? Yes/No.		Site Types include: Open water		
Are sites in NPWS Register? Yes/No.		Unregistered sites-plans for future recording? Yes/No.		
Have artefacts been removed from site? Yes/No/don't know. When? 1982-3				
By whom? J. KOHEN		Deposited where? PENRITH LAB, MACQUARIE UNIVERSITY		
Is site important to local Aborigines? Yes/No/don't know.				
Give contact(s) name(s) + address(es) INDIGENOUS PEOPLES COUNCIL				
Contacted for this recording? Yes/No. (Attach additional information separately) If not, why not?				
Verbal/written reference sources: - C-521				
Site recorded by: J. KOHEN		Date: August, 1983		
Address/institution: SCHOOL OF BIOLOGICAL SCIENCES MACQUARIE UNIVERSITY				

SITE POSITION & ENVIRONMENT		OFFICE USE ONLY: NPWS site no:
<p>1. Land form e.g. beach/hill slope/ridge top, etc: <i>terrace overlooking creek</i></p> <p>2. Describe briefly & mark on diagram provided or on your own sketch the position of the site:</p> <div style="text-align: center; margin: 10px 0;"> </div>		
<p>3a Local rock type: —</p>	<p>b rock type at site: <i>Some quartzite gravels</i></p>	<p>c site aspect: <i>N</i></p>
<p>d slope: <i>slight</i></p>		
<p>4. Distance from drinking water: <i>30m</i> Source: <i>Rickaby's Ck</i> Perm temp?</p>		
<p>5. Vegetation: <i>D.S.F.</i></p>		
<p>6. Edible plants noted: <i>Caesia vitatta, Anthopoidon milleflorum, F. Orchidaceae, F. Liliaceae</i></p>		
<p>7. Faunal resources (include shellfish) <i>F/w mussels on creek.</i></p>		
<p>CHECKLIST TO HELP: length, width, depth, height of site, shelter, deposit, structure, element eg. tree scar, grooves in rock. DEPOSIT: colour, texture, estimated depth, stratigraphy, contents-shell, bone, stone, charcoal, density & distribution of these, stone types, artefact types. ART: area of surface decorated, motifs, colours, wet, dry pigment, technique of engraving, no. of figures, sizes, patination. BURIALS: number & condition of bone, position, age, sex, associated artefacts. TREES: number, alive, dead, likely age, scar shape, position, size, patterns, axe marks, regrowth. QUARRIES: rock type, debris, recognisable artefacts, percentage quarried. OTHER SITES EG. structures (fish traps, stone arrangements, bora rings, mia mias), mythological sites, rock holes, engraved groove channels, contact sites (missions massacres cemeteries) as appropriate</p>	<p>DESCRIPTION OF SITE & CONTENTS. Site type(s):</p> <p>Note state of preservation of site & contents. Do NOT dig, disturb, damage site or contents. Attach sketches etc, eg. plan & section of shelter, show relation between site contents, indicate scale. Attach annotated photos (stereo where useful) showing scale, particularly for art sites.</p> <p style="margin-top: 10px;"><i>Over 100 artefacts exposed in disturbed/cleared areas on terrace overlooking creek. Area 100x60 m. Approx equal amounts of chert and silcrete, with some quartz. One retouched chert flake retains gum on the thick back. Other implements include a silcrete thumb nail scraper and several utilised flakes & blades, but no backed blades.</i></p> <div style="text-align: center; margin-top: 20px;"> </div>	



NATIONAL PARKS AND WILDLIFE SERVICE

Cultural Resources

Database Update Sheet

- ☐ REGISTER Site register
☐ CATALOG Reports catalogue
☐ FOTODEX Photographic catalogue

Record ID	Field/variable	New or revised value(s)
-----------	----------------	-------------------------

45-5-0389

1 SITENAME Rickabys Creek
2 SITENAME RC 1
3 SITETYPE 2 = Open camp site
4 RECTYPE 3 = New-standard record
5 RECORDER Kohen
6 RECDATE 00Aug1983
7 ASSOCREP C-521
8 DISTRICT 2 = North Metropolitan
9 STATUS 1 = Present in H.O.
10 ZONE 56 = AMG Zone 56
11 AMG_E 293750
12 AMG_N 6275860
13 MAPSCALE 7 = 1:25/50/100K convrt
14 DATEUPD 21Aug1991
15 <Sub-rec>

Filled in by: _____

Date: _____


Entered by: _____



Date: _____

LJ: Feb 89

0

Site Card for 45-5-0390

National Parks and Wildlife Service				REGISTER COPY
Standard Site Recording Form				
MAP NAME PENRITH RIVERSTONE SYDNEY WINDSOR	EDITION 1:100,000 1-AA5 1	SCALE 1975 1:25000 1:250000 1:63,360	REFERENCE 7590 9413 7590 9413 3776 8440 7790.4401	HEAD OFFICE USE ONLY: NWPS site no: 45-5-390 Site types: Open File nos:  Report filed with site no: 45-5-0390 Classification: Site status: Filed by: JH Date: 11/10/83
Site name: RICKABYS CK. 2 (R/C2)				
Local post office: WINDSOR				
Locality/property name: SOUTH WINDSOR				
NPWSDistrict: SYDNEY Blue mts Region: CENTRAL WESTERN				
Reason for investigation (give H.O. instruction no. or full title of accompanying report where applicable): WESTERN CUMBERLAND PLAIN SURVEY PhD RESEARCH				
Portion no: Parish:		Other land category: County: CUMBERLAND		Plan/sketch/section of site attached? Yes/No. How many? 1
Air photo refs. (for stereo pair)		Annotated photos attached? Yes/No How many?		
Condition of site: HEAVILY DISTURBED		Causes of damage/disturbance/threat to site: (Fill in separate management/protection recommendations sheet if necessary) ROAD BUILDING		
How to get to the site (refer to permanent features, give best approach to site eg. from above, below, along cliff. Draw diagram on separate sheet if necessary). ON south side of new road bridge over Rickabys CK, south of old road bridge. Access from the Driftway off Richmond Rd.				
Other sites in locality? Yes/No		Site Types include: Open Sites		
Are sites in NPWS Register? Yes/No		Unregistered sites-plans for future recording? Yes/No.		
Have artefacts been removed from site? Yes/No/don't know. When? 1982				
By whom? J. KOHEN		Deposited where? PREHISTORY LAB, MACQUARIE UNIVERSITY		
Is site important to local Aborigines? Yes/No/don't know.				
Give contact(s) name(s) + address(es) INDIGENOUS PEOPLES COUNCIL				
Contacted for this recording? Yes/No. (Attach additional information separately) If not, why not?				
Verbal/written reference sources: - C-521				
Site recorded by: J. KOHEN		Date: August 1983		
Address/institution: BIOLOGICAL SCIENCES MACQUARIE UNIVERSITY				

SITE POSITION & ENVIRONMENT		OFFICE USE ONLY: NPWS site no:
<p>1. Land form e.g. beach/hill slope/ridge top, etc: <i>Flat beside creek</i></p> <p>2. Describe briefly & mark on diagram provided or on your own sketch the position of the site:</p> <div style="text-align: center; margin: 10px 0;">  </div>		
3a Local rock type:	b rock type at site:	c site aspect:
<i>None</i>	<i>Quartzite gravels</i>	<i>-</i>
<p>4. Distance from drinking water: <i>0</i> Source: <i>Rickaby's Ck</i> Perm/temp: ?</p> <p>5. Vegetation: <i>Cleared</i></p> <p>6. Edible plants noted: <i>-</i></p> <p>7. Faunal resources (include shellfish): <i>F/W Mussels in ck.</i></p>		
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>CHECKLIST TO HELP: length, width, depth, height of site, shelter, deposit, structure, element eg. tree scar, grooves in rock. DEPOSIT: colour, texture, estimated depth, stratigraphy, contents-shell, bone, stone, charcoal, density & distribution of these, stone types, artefact types. ART: area of surface decorated, motifs, colours, wet, dry pigment, technique of engraving, no. of figures, sizes, patination. BURIALS: number & condition of bone, position, age, sex, associated artefacts. TREES: number, alive, dead, likely age, scar shape, position, size, patterns, axe marks, regrowth. QUARRIES: rock type, debris, recognisable artefacts, percentage quarried. OTHER SITES EG. structures (fish traps, stone arrangements, bora rings, mia mias), mythological sites, rock holes, engraved groove channels, contact sites (missions massacres cemeteries) as appropriate</p> </div> <div style="width: 50%;"> <p>DESCRIPTION OF SITE & CONTENTS. Site type(es): Note state of preservation of site & contents. Do NOT dig, disturb, damage site or contents. Attach sketches etc, eg. plan & section of shelter, show relation between site contents, indicate scale. Attach annotated photos (stereo where useful) showing scale, particularly for art sites.</p> <p style="font-size: 1.2em; margin-top: 20px;"><i>Small scatter of chert and calcite flakes between the Driftway and the old road bridge</i></p> <p style="font-size: 1.2em; margin-top: 10px;"><i>Density ~ 0.2/m², area 20m x 2m</i></p> <div style="text-align: center; margin-top: 20px;">  </div> </div> </div>		



NATIONAL PARKS AND WILDLIFE SERVICE

Cultural Resources

Database Update Sheet

- ☐ REGISTER Site register
☐ CATALOG Reports catalogue
☐ FOTODEX Photographic catalogue

Record ID	Field/variable	New or revised value(s)
45-5-0390		
1 SITENAME	Rickabys Creek	
2 SITENAME	RC 2	
3 SITETYPE	2 = Open camp site	
4 RECTYPE	3 = New-standard record	
5 RECORDER	Kohen	
6 RECDATE	00Aug1983	
7 ASSOCREP	C-521	
8 DISTRICT	2 = North Metropolitan	
9 STATUS	1 = Present in H.O.	
10 ZONE	56 = AMG Zone 56	
11 AMG_E	294130	
12 AMG_N	6275900	
13 MAPSCALE	7 = 1:25/50/100K convrt	
14 DATEUPD	21Aug1991	
15 <Sub-rec>		

Filled in by: _____

Date: _____



Entered by: _____


Date: _____

LJ: Feb 89

0

Site Card for 45-5-0391

 National Parks and Wildlife Service Standard Site Recording Form				 45-5-0391
MAP NAME PENRITH RIVERSTONE SYDNEY Windsor	EDITION 1975 1-AAS 1	SCALE 1:100,000 1:25,000 1:250,000 1:63,360	REFERENCE 7578 9407 7578 9407 3780 8320 77904384	HEAD OFFICE USE ONLY: NWPS site no: 45-5-391 Site types: Open File nos: Report filed with site no: Classification: Site status: Filed by: JH Date: 11/10/83
Site name: Rickaby's Creek 3 (RC/3)				
Local post office: WINDSOR				
Locality/property name: SOUTH WINDSOR				
NPWS District: NTH Metro Region: Central SYDNEY Blue Mountains WESTERN				
Reason for investigation (give H.O. instruction no. or full title of accompanying report where applicable): WESTERN CUMBERLAND PLAIN SURVEY PLD RESEARCH				
Portion no: Parish:		Other land category: County: CUMBERLAND		Plan/sketch/section of site attached? Yes/No. How many?
Air photo refs. (for stereo pair)			Annotated photos attached? Yes/No How many?	
Condition of site: Some DISTURBANCE BY BRIDGE CONSTRUCTION		Causes of damage/disturbance/threat to site: (Fill in separate management/protection recommendations sheet if necessary)		
How to get to the site (refer to permanent features, give best approach to site eg. from above, below, along cliff. Draw diagram on separate sheet if necessary). SITE IS ON THE NORTHERN SIDE OF THE BRIDGE OVER RICKABYS CREEK ON THE WESTERN BANK, EXTENDING FOR 50 M.				
Other sites in locality? Yes/No Are sites in NPWS Register? Yes/No		Site Types include: Open Lias Unregistered sites-plans for future recording? Yes/No.		
Have artefacts been removed from site? Yes/No/don't know. When? 1982-3 By whom? J. KOHEN Deposited where? PREHISTORY LAB, MACQUARIE UNIVERSITY				
Is site important to local Aborigines? Yes/No/don't know. Give contact(s) name(s) + address(es) INDIGENOUS PEOPLES COUNCIL				
Contacted for this recording? Yes/No. (Attach additional information separately) If not, why not?				
Verbal/written reference sources: C-521				
Site recorded by: J. KOHEN Address/institution: BIOLOGICAL SCIENCES MACQUARIE UNIVERSITY		Date: August 1983		

SITE POSITION & ENVIRONMENT		OFFICE USE ONLY: NPWS site no:
<p>1. Land form e.g. beach/hill slope/ridge top, etc: <i>Creek bank/terrace</i></p> <p>2. Describe briefly & mark on diagram provided or on your own sketch the position of the site:</p> <div style="text-align: center; margin: 10px 0;">  </div>		
3a Local rock type:	b rock type at site:	c site aspect:
—	—	—
<p>4. Distance from drinking water: <i>0</i> Source: <i>Rickaby's Ck.</i> Perm/temp.?</p> <p>5. Vegetation: <i>D.S.F.</i></p>		
<p>6. Edible plants noted: —</p> <p>7. Faunal resources (include shellfish) <i>P/w Mussels</i></p>		
<p>CHECKLIST TO HELP: length, width, depth, height of site, shelter, deposit, structure, element eg. tree scar, grooves in rock.</p> <p>DEPOSIT: colour, texture, estimated depth, stratigraphy, contents-shell, bone, stone, charcoal, density & distribution of these, stone types, artefact types.</p> <p>ART: area of surface decorated, motifs, colours, wet, dry pigment, technique of engraving, no. of figures, sizes, patination.</p> <p>BURIALS: number & condition of bone, position, age, sex, associated artefacts.</p> <p>TREES: number, alive, dead, likely age, scar shape, position, size, patterns, axe marks, regrowth.</p> <p>QUARRIES: rock type, debris, recognisable artefacts, percentage quarried.</p> <p>OTHER SITES EG. structures (fish traps, stone arrangements, bora rings, mia mias), mythological sites, rock holes, engraved groove channels, contact sites (missions massacres cemeteries) as appropriate</p>	<p>DESCRIPTION OF SITE & CONTENTS. Site type(s):</p> <p>Note state of preservation of site & contents. Do NOT dig, disturb, damage site or contents.</p> <p>Attach sketches etc, eg. plan & section of shelter, show relation between site contents, indicate scale.</p> <p>Attach annotated photos (stereo where useful) showing scale, particularly for art sites.</p> <p style="font-size: 1.2em; margin-top: 10px;"><i>32 artefacts eroding from the western bank of Rickaby's Creek over an area 50x2 meters.</i></p> <p><i>D = .3/m² A = 100 m²</i></p> <p><i>large flakes and cores, materials include chert, siltstone, quartz, quartzite, basalt.</i></p> <p><i>Some whitened flakes but nothing retouched.</i></p>	



Cultural Resources

NSW
NATIONAL
PARKS AND
WILDLIFE
SERVICE

DATABASE UPDATE SHEET

- ☐ REGISTER Site register
☐ CATALOG Reports catalogue
☐ FOTODEX Photographic catalogue

Record ID Field/variable New or revised value(s)

4S-5-0391

1 SITE NAME Rickaby Creek 3
2 SITE NAME RC/3
3 SITETYPE 2 = Open camp site
4 RECTYPE 3 = New-standard record
5 RECORDER [redacted]
6 RECDATE 03/08/1983
7 DISTRICT 2 = North Metropolitan
8 STATUS 1 = Present in H.O.
9 ZONE 56 = AMG Zone 56
10 AMG E 294070
11 [redacted] ivrt
12 [redacted]
13 [redacted] Disturbed
14 ABC [redacted] Surface recording
15 [redacted]
16 ASSESSOR [redacted]
17 DATEUPD 10Oct1991
18 <Sub-rec>

Filled in by: S. fields

Date: 3-10-91

Entered by: S. fields

Date: 3-10-91

Site Card for 45-5-3577

<input checked="" type="checkbox"/> New recording <input type="checkbox"/> Additional Info	
National Parks and Wildlife Service Box 1967, Hurstville NSW 2220. Tel: (02) 585 6444 Standard Site Recording Form Revised 12/92 Revised 12/92	
1:250,000 map sheet: _____ NPWS Code _____ AMG Grid reference: 294300 mE 6276100 mN <small>Full reference - please include leading digits</small> Scale of map used for grid reference: <input checked="" type="checkbox"/> 25K, 50K (preferred) <input type="checkbox"/> 100K <input type="checkbox"/> 250K <small>Please use largest scale available</small> 1:25K, 50K, 100K map name: <u>RIVERSTONE</u>	HEAD OFFICE USE ONLY: NPWS Site no: <u>45-5-3577</u> Site types: _____ Accessed by: _____ Date: _____ Data entered by: _____ Date: _____ Owner/Manager: <u>MR KEITH WICKHAMBY</u> Address: <u>723-727 GEORGE ST. WINDSOR.</u>
Site name: <u>W2</u> Locality/property name: _____ NPWS District: <u>NH Met</u> Region: <u>Sydney Zone</u>	
Reason for investigation: <u>SURVEY TO DETERMINE PRESENCE OF SITE PRIOR TO PROPOSED LANDFILL AT LOCATION.</u>	
Portion no: <u>DP S60460</u> Parish: <u>NAWKESBURY</u>	Photos taken? <u>YES</u> How many attached? <u>NONE</u>
How to get to the site (refer to permanent features, give best approach to site eg. from above, below, along cliff. (Draw diagram on separate sheet.) <u>Entrance to site exists via a nursery which fronts onto George St, Windsor.</u>	
Other sites in locality? <u>YES</u> Site Types include: <u>OPEN</u> Are sites in NPWS Register? <u>YES</u>	
Have artefacts been removed from site? <u>NO</u> When? _____ By whom? _____ Deposited where? _____	
Is site important to local Aborigines? <u>YES</u> Give contact(s) name(s) + address(es): <u>DARUK LOCAL ABORIGINAL LAND COUNCIL</u> <u>PO Box V184</u> Contacted for this recording? <u>YES</u> <u>MT DRUITT, NSW, 2770</u> <small>(Attach additional information separately) If not, why not?</small>	
Verbal/written reference sources (including full title of accompanying report): <u>Archaeological Survey for proposed Landfill at South Windsor.</u>	
Checklist: surface visibility, damage/disturbance/ threat to site	Condition of site: <u>Site is being affected by erosion associated with property dam.</u>
Recommendations for management & protection (attach separate sheet if necessary): <u>13 Artefacts</u>	
Site recorded by: <u>NEW BARTON, TONY ROWDER</u> Date: <u>10/1/96</u> Address/institution: <u>LUKE NICKY</u> <u>JO McDONALD CULTURAL RESOURCE MANAGEMENT</u> <u>15 BANKSIDE AVE UNDERCLIFF 2206</u>	

W2

W2 lies approximately one hundred and twenty metres from Ricakbys Creek on sloping ground that is very similar in aspect to W1. The site consists of two separate scatters which lie within five metres of each other but have been considered as one site. The area of sandy exposure upslope of the dam is suffering from heavy sheet and gully erosion [Plates 6], which, if left unchecked will continue to both destroy and expose further material at this location. The adjacent exposure [Plate 7] lies immediately to the north, and appears to have been formed by animal treddage which has retarded grass growth in this area. The visibility within both of these exposures was between 95-100%.

A total of thirteen artefacts occur at this location lying on the surface of a grey silty soil and a heavily leached, sandy deposit which also shows signs of severe disturbance. The exposure is approximately thirty metres in length and three metres wide and flanks the eastern and western boundary of a small dam. Within part of the dam deposit are also found large patches of modern soils which have mixed with this unit [Plate 8]. Either side of this deposit the land shows evidence of ploughing.

The recorded artefact sample is composed of indurated mudstone (54%) and silcrete (46%). The indurated mudstone appears to be very similar in colour and texture, suggesting a single nodule of material, perhaps a single reduction event. Within the silcrete sample a single multiplatform core with unidirectional reduction was recorded as was a silcrete flake with unifacial retouch on the distal end. Most of the retouched edge of this tool has been broken off and was not located during further artefact recording.

This artefact was made from a high quality mottled red & grey silcrete, very similar to that found at Bligh Park North #1 (see Byrne 1994).

Site Card for 45-5-3578

National Parks and Wildlife Service Box 1967, Hurstville NSW 2220. Tel: (02) 585 6444 Standard Site Recording Form 2000 Revised 12/92	
<input checked="" type="checkbox"/> New recording <input type="checkbox"/> Additional info	
1:250,000 map sheet: _____ NPWS Code: _____ AMG Grid reference: 294300 mE 6276100 mN Full reference - please include leading digits: _____ Scale of map used for grid reference: <input checked="" type="checkbox"/> 25K, 50K (preferred) <input type="checkbox"/> 100K <input type="checkbox"/> 250K Please use largest scale available 1:25K, 50K, 100K map name: <u>RIVERSTONE</u>	HEAD OFFICE USE ONLY: NPWS Site no: <u>45-5-3578</u> Site types: _____ Accessed by: _____ Date: _____ Data entered by: _____ Date: _____ Owner/Manager: <u>KEITH WICKHAM</u> Address: <u>723-727 GEORGE ST, WINDSOR.</u>
Site name: <u>W3</u> Locality/property name: _____ NPWS District: <u>NH Mt</u> Region: <u>Sydney Zone</u> Reason for investigation: <u>Archaeological Survey</u>	
Portion no: <u>DP 560 460</u> Parish: <u>NEWKESBURY</u> <div style="display: flex; justify-content: space-between;"> <div> Photos taken? <u>YES</u> How many attached? <u>NONE</u> </div> </div>	
How to get to the site (refer to permanent features, give best approach to site eg. from above, below, along cliff. (Draw diagram on separate sheet.) <u>ENTRANCE TO SITE VIA NURSERY WHICH FROTS ONTO GEORGE ST</u>	
Other sites in locality? <u>YES</u> Site Types include: <u>OPEN</u> Are sites in NPWS Register? <u>YES</u>	
Have artefacts been removed from site? <u>NO</u> When? _____ By whom? _____ Deposited where? _____	
Is site important to local Aborigines? <u>YES</u> Give contact(s) name(s) + address(es): <u>DARUK LALL PO BOX 1184 MT DRUIT NSW</u> Contacted for this recording? <u>YES</u> (Attach additional information separately) If not, why not? _____	
Verbal/written reference sources (including full title of accompanying report): <u>Archaeological Survey for Proposed Landfill at SM Windsor</u>	
NPWS Report Catalogue # _____	
Checklist: surface visibility, damage/disturbance/ threat to site	Condition of site: <u>DISTURBED BY EROSION AND PLACATING</u>
Recommendations for management & protection (attach separate sheet if necessary): <u>9 Artefacts</u>	
Site recorded by: <u>HOW BARTON, TOMY KOWDER</u> Date: <u>10/7/96</u> Address/institution: <u>JO MCDONALD CULTURAL RESOURCE MANAGEMENT 15 BANKSIDE AVE, WARRILLAH, NSW 2206</u>	

W3

This site comprised of nine silcrete artefacts located in the middle of a vehicle track leading towards a group of tin sheds [Plate 9]. The vehicle track was the only appreciable area of exposure in this part of the Study Area which is almost entirely covered by grass. Visibility within the track however, was approximately 90-100%.

The artefacts were all contained within an area of approximately twenty centimetres by twenty centimetres. The average artefact density at this location is 9 artefacts per square metre, with a maximum density of 45 artefacts per square metre, which is the highest density figure at these three sites. The artefacts are unremarkable in their appearance, consisting of only one whole flake, the remaining sample comprising of flaked pieces and broken flakes.

4.4 Other Relevant Heritage Database Searches

A review of additional heritage databases has been undertaken for the project. This includes the following:

- Native Title Register search
- Australian Heritage Database search
- State Heritage Inventory search

The results of these searches are outlined below.

4.4.1 Native Title Register

A review of the Native Title Register has identified zero additional claims within the Hawkesbury LGA, in which the project area is situated. There are also no active claims in the bordering LGAs of Blacktown, Hawkesbury, Liverpool, or Blue Mountains City Council as of the 21st of November 2023.

4.4.2 Australian Heritage Database

A review of the Australian Heritage Database search has identified that the proposed construction impact area borders and is located within the University of Western Sydney Hawkesbury Native Vegetation registered listing with Natural heritage values. Potential significance for this item can be found in the Register of the National Estate (Non-statutory archive) 1991.

The construction area also borders the Castlereagh Jewel Beetle Habitat and Movement Corridor to the north of Driftway Road. The potential significance of this item is outlined in the Register of the National Estate (Non-statutory archive) 1995.

These items are both listed in the Register of the National estate, a non-statutory archive. Neither were found to have any associated Aboriginal cultural heritage values.

4.4.3 State Heritage Inventory (NSW)

A review of the State Heritage Inventory has identified no items within the construction boundary of the proposed works, however there are three listed heritage items in the general vicinity of the proposed construction area. These are listed in the Penrith Local Environment Plan 2021 (PLEP 2010):

- Londonderry Cemetery (PLEP No.115)
- Cottage (PLEP No.660)
- Castlereagh Road (PLEP No.261)

NSW State Heritage Inventory listing sheets for these items have been reviewed and they have been found to have no associated Aboriginal cultural heritage values.

4.5 Previous Assessments of Area

4.5.1 Previous Heritage Assessments

Richmond Bridge Duplication and traffic Improvements - Options Assessment Aboriginal Archaeological Report Stage 2 PACHCI (KNC 2021).

The purpose of this assessment was to determine appropriate sites for future roadway planning in the Richmond area, including The Driftway. In total, this assessment identified several sites of varying heritage significance and made recommendations with the aim of minimising harm to Aboriginal Cultural Heritage. However, none of these sites were located inside the boundary of The Driftway. The assessment recommended that works proceed, including in the areas surrounding the proposed Driftway upgrades.

4.5.2 Previous Environmental Impact Assessments

New Richmond Bridge and traffic improvements – Stage 1 The Driftway – Review of Environmental Factors | TfNSW 2021 (Jacobs Australia and Transport for NSW)

In regard to Aboriginal cultural heritage, this assessment identified that the Proposal would be unlikely to cause a significant impact on the environment under NSW State legislation and that an Environment Impact Statement (EIS) would not be necessary. Similarly, this assessment found that the proposal is not likely to have a significant impact on MNES or the environment of Commonwealth land within the meaning of *Environment protection and Biodiversity Conservation Act 1999*. A referral to the DAWE would not be required.

No specific approvals relating to Aboriginal cultural heritage were identified.

5 Conclusion

A Stage 1 PACHCI assessment was performed in accordance with the Road and Maritime Services (RMS) procedure for *Aboriginal cultural heritage consultation and investigation* (2011 20-24; 75-76). The assessment was used to determine if the Proposal is likely to impact Aboriginal cultural heritage.

The assessment found that:

- Two AHIMS sites are located within 200 metres of the Proposal area (TfNSW also records one additional site in the North-Western end of the Driftway buffer zone within 200m of the construction area).
- Zero additional claims are identified in the Native Title Register.
- None of the three items listed in the State Heritage Inventory have Aboriginal Cultural heritage values, or include details of Aboriginal places or objects.
- There is a low likelihood to uncover Aboriginal artifacts, as the Proposals area has prior ground disturbance and is not within the vicinity of landforms known to be associated with the potential to uncover Aboriginal objects or places.

As such, it is not expected that the Proposal will impact any Aboriginal heritage objects or sites.

Under guidelines, the project does not trigger stage 2 of the PACHCI process.

6 References

Environmental Planning and Assessment Act. (1979)

Department of Climate Change, Energy, the Environment and Water. (2023a). *Australian Heritage Database*

Department of Environment, Climate Change and Water. (2010). *Due Diligence Code of Practice for the Protection of Aboriginal Objects in NSW South Wales*, Sydney

Department of Planning and Environment. (2023a) *Aboriginal Heritage Information Management System*

NSW Department of Planning and Environment. (2023b). *State Heritage Inventory*

National Native Title Tribunal (2023) *National Native Title Register*

Permul Murphy Alessi Heritage Consultants. (2013). *Epping Town Centre Heritage Review*

Road and Maritime Services. (2011). *procedure for Aboriginal cultural heritage consultation and investigation*


Kelleher Nightingale Consulting (2021) *Richmond Bridge Duplication and traffic Improvements - Options Assessment Aboriginal Archaeological Report Stage 2 PACHCI*

Jacobs Australia and Transport for NSW (2021) *New Richmond Bridge and traffic improvements – Stage 1 The Driftway – Review of Environmental Factors*

Spatial Services NSW. (2023). *Aerial and Historical Imagery*. Available at:
https://www.spatial.nsw.gov.au/products_and_services/aerial_and_historical_imagery

Transport for NSW. (2022). *Standard Procedure – Unexpected Heritage Finds Guideline*

Appendix A AHIMS Search Results



AHIMS Web Services (AWS)
Search Result

Your Ref/PO Number : Driftway
Client Service ID : 906972

Mott Macdonald - Sydney
L10 383 Kent St, Sydney
Sydney New South Wales 2000
Attention: Lily-Anne Chapman
Email: lily.chapman@mottmac.com
Date: 04 July 2024

Dear Sir or Madam:

AHIMS Web Service search for the following area at Search using shape-file 20231117_AddendumBoundary200mBuffer/ConstuctionBoundary200mBuffer with a buffer of 0 meters. Additional Info : Due Diligence, conducted by Lily-Anne Chapman on 04 July 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)
Extensive search - Site list report

Your Ref/PO Number : Driftway
Client Service ID : 906972

<u>SiteID</u>	<u>SiteName</u>	<u>Datum</u>	<u>Zone</u>	<u>Easting</u>	<u>Northing</u>	<u>Context</u>	<u>Site Status **</u>	<u>SiteFeatures</u>	<u>SiteTypes</u>	<u>Reports</u>
45-5-3577	W2 (Riverstone) <u>Contact</u>	GDA	56	294300	6276100	Open site	Valid	Artefact : -		4118
		<u>Recorders</u>	Huw Barton,Tony Kondek					<u>Permits</u>		
45-5-0389	Rickabys Creek RC 1 <u>Contact</u>	AGD	56	293750	6275860	Open site	Valid	Artefact : -	Open Camp Site	521,1018
		<u>Recorders</u>	Jim Kohen					<u>Permits</u>		
45-5-0391	Rickabys Creek_3 RC/3 <u>Contact</u>	AGD	56	294070	6275780	Open site	Valid	Artefact : -	Open Camp Site	521,1018
		<u>Recorders</u>	Jim Kohen					<u>Permits</u>		
45-5-3578	W3 (Riverstone) <u>Contact</u>	GDA	56	294300	6276100	Open site	Valid	Artefact : 9		4118
		<u>Recorders</u>	Huw Barton,Tony Kondek					<u>Permits</u>		
45-5-0390	Rickabys Creek RC 2 <u>Contact</u>	AGD	56	294130	6275900	Open site	Valid	Artefact : -	Open Camp Site	521,1018
		<u>Recorders</u>	Jim Kohen					<u>Permits</u>		

**** Site Status**
Valid - The site has been recorded and accepted onto the system as valid
Destroyed - The site has been completely impacted or harmed usually as consequence of permit activity but sometimes also after natural events. There is nothing left of the site on the ground but proponents should proceed with caution.
Partially Destroyed - The site has been only partially impacted or harmed usually as consequence of permit activity but sometimes also after natural events. There might be parts or sections of the original site still present on the ground
Not a site - The site has been originally entered and accepted onto AHIMS as a valid site but after further investigations it was decided it is NOT an aboriginal site. Impact of this type of site does not require permit but Heritage NSW should be notified

Report generated by AHIMS Web Service on 04/07/2024 for Lily-Anne Chapman for the following area at Search using shape-file
20231117_AddendumBoundary200mBuffer/ConstuctionBoundary200mBuffer with a buffer of 0 meters. Additional Info : Due Diligence. Number of Aboriginal sites and Aboriginal objects
found is 5

