



URBIS

ABORIGINAL CULTURAL HERITAGE ASSESSMENT

Taronga Wildlife Hospital
Sydney - Nutrition Centre,
Taronga Zoo, Mosman, NSW,
Cammaraigal Country.

Prepared for

TARONGA CONSERVATION SOCIETY AUSTRALIA

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EXECUTIVE SUMMARY

Urbis has been commissioned by Taronga Conservation Society Australia (Taronga) (the Proponent) to produce an Aboriginal Cultural Heritage Assessment Report (ACHAR) in accordance with the Secretary's Environmental Assessment Requirements (SEARs) for the State Significant Development (SSD-17655146) for the site of the proposed Taronga Nutrition Centre to support the Taronga Wildlife Hospital at Taronga Zoo, 2A Bradleys Head Road, Mosman, Cammeragal Country, NSW (hereafter referred to as 'the subject area'), (see Figure 4 and Figure 5).

This ACHAR will accompany an Environmental Impact Statement (EIS) for the proposed works. The proposed works will include the demolition of existing back of house facilities and the construction of a new Nutrition Centre precinct to support the proposed Wildlife Hospital (subject to a separate Application). These facilities will be primarily inaccessible to the public and will constitute food preparation and animal welfare management areas.

The ACHAR concluded that:

- No Aboriginal objects and/or places are registered on AHIMS within the subject area or within proximity.
- The subject area is within management zones 4 (Areas heavily modified by European Development) and 5 (areas which have previously been excavated down to bedrock, or culturally sterile soils) on the GML 2004 AMP for the wider Taronga Zoo. There is nil-low Aboriginal archaeological potential associated with these zones.
- The subject area sits upon the GyMEA/Lambert soil landscape, which contains mixed sandy soils to a depth of approximately 30-100cm. However, the geotechnical investigation identified no natural soils within boreholes across the subject area and the site survey and historical research confirmed significant disturbance through historical land use.
- The geotechnical investigation identified various thickness of 'fill' within boreholes across the subject area. It should be noted that the terminology 'fill' does not always describe imported soils and the source of the fill may need to be further confirmed by geomorphological investigation.
- The subject area is on the Bradley's Head Peninsula in close proximity to Sydney Harbour. Taylors Gully drains into the harbour approximately 400m to the east of the subject area, with Sirius Creek 330m to the north west and Little Sirius Cove 270m to the west.
- The subject area is upon a crest which slopes to the south and west. The subject area is currently utilised as back of house facilities and is upon substantially modified topography with evidence of cutting.
- Archaeological site survey identified high level of disturbance at the subject area, including extensive historical land use associated with the development of the Zoo.
- No Aboriginal objects or archaeological resources were identified during the site survey.
- RAPs confirmed during the survey that the likelihood of objects or intangible cultural heritage values was low.
- The predictive model has identified that there is **low to nil** archaeological potential across the subject area.

This assessment has identified **low to nil archaeological potential** across the subject area.

Based on the above conclusions, the proposed development of the Nutrition Centre can proceed with the following recommendations:

1. **RAP consultation.** A copy of the final ACHAR must be provided to all project RAPs. Ongoing consultation with RAPs should occur as the project progresses. This will ensure ongoing communication about the project and key milestones and ensure that the consultation process does not lapse, particularly with regard to consultation should the Chance Find Procedure be enacted.
2. **Aboriginal Cultural Heritage Induction.** It is recommended that induction materials be prepared in consultation with the Registered Aboriginal Parties (RAPs) for inclusion in the construction management plan and site inductions for any contractors working at the subject area. The induction material should include an overview of the types of sites and artefacts to be aware of (i.e. stone tools, concentrations of shells that could be middens and rock engravings and grinding grooves), under the NPW Act, and the

requirements of an 'archaeological chance find procedure' (refer below). This should be prepared for the project and included in any site management plans.

3. **Archaeological Chance Find Procedure.** Although considered highly unlikely, should any Aboriginal objects, archaeological deposits be uncovered during any site works, a procedure must be implemented. The following steps must be carried out:
 - 3.1. All works stop in the vicinity of the find. The find must not be moved 'out of the way' without assessment. The area must be cordoned-off to avoid any accidental impact.
 - 3.2. The archaeologist and Aboriginal representative on site examine the find, provides a preliminary assessment of significance, records the item for the AHIMS register and decides on appropriate management. Such management may require further consultation with the Aboriginal Cultural Heritage Regulation Branch of the Department of Premier and Cabinet (DPC), preparation of a research design and archaeological investigation/salvage methodology and decision on temporary care and control.
 - 3.3. Depending on the significance of the find, reassessment of the archaeological potential of the subject area may be required, and further archaeological investigation undertaken.
 - 3.4. Reporting may need to be prepared regarding the find and approved management strategies. Any such documentation should be appended to this ACHAR and revised accordingly.
 - 3.5. Works in the vicinity of the find can only recommence when all management measure all implemented, and the find is removed from the activity area. Should the find be an unmovable item such as an engraving or grinding groove located on a sandstone surface, further management measures will need to be introduced to avoid harm to the find.
4. **Human Remains Procedure.** In the unlikely event that human remains are uncovered during any site works, the following must be undertaken:
 - 4.1. All works within the vicinity of the find immediately stop. The area must be cordoned-off and signage installed to avoid any accidental impact. The remains must not be moved.
 - 4.2. Site supervisor or other nominated manager must notify the NSW Police and DPC.
 - 4.3. The find must be assessed by the NSW Police, and may include the assistance of a qualified forensic anthropologist.
 - 4.4. Management recommendations are to be formulated by the Police, DPC and site representatives.
 - 4.5. Works are not to recommence until the find has been appropriately managed.

1. INTRODUCTION

1.1. BACKGROUND

This report presents the findings of an Aboriginal Cultural Heritage Assessment (ACHA) for the State Significant Development (SSD-17655146) for the site of the proposed Taronga Wildlife Hospital, Sydney-Nutrition Centre (Nutrition Centre) to support the Taronga Wildlife Hospital (TWH) at Taronga Zoo, 2A Bradleys Head Road, Mosman, Cammeragal Country, NSW (hereafter referred to as 'the subject area'), (see Figure 4 and Figure 5).

Urbis has been commissioned by Taronga Conservation Society Australia (Taronga, TCSA) (the Proponent) to produce an Aboriginal Cultural Heritage Assessment Report (ACHAR) in accordance with the Secretary's Environmental Assessment Requirements (SEARs) for the SSD (SSD-17655146). This ACHAR will accompany an Environmental Impact Statement (EIS) for the proposed works.

1.2. PROPOSED ACTIVITY

Current nutrition centre facilities at Taronga Zoo, Sydney have reached the end of their useful life. New facilities are therefore required to meet best practice standards in animal welfare and work health safety.

The TWH Nutrition Centre, together with the future Wildlife Hospital project will be a world-class nutrition; veterinary and education facility, which will showcase Taronga's significant role in general conservation and animal care. The proposed Taronga WLH Nutrition Centre will support the Zoo's logistical requirements for the provision of animal foods and the veterinary care of injured animals and wildlife. A key focus of the design of this facility is the health and wellbeing of animals that the Zoo cares for, but also for the humans who care for them.

The proposed works associated with the new TWH Nutrition Centre will include the following:

- Demolition of existing structures.
- Service upgrades and rearticulation.
- Clearance of vegetation.
- Construction of new, multi-storey Nutrition Centre building.
- Hard and soft landscaping.
- Provisions for future connections to and from the proposed future Wildlife Hospital.

The subject area has also included the area for proposed future works to be undertaken under a Review of Environmental Factors. While no works specifically associated with the REF have been identified, the area assessed in this ACHA includes the REF area.

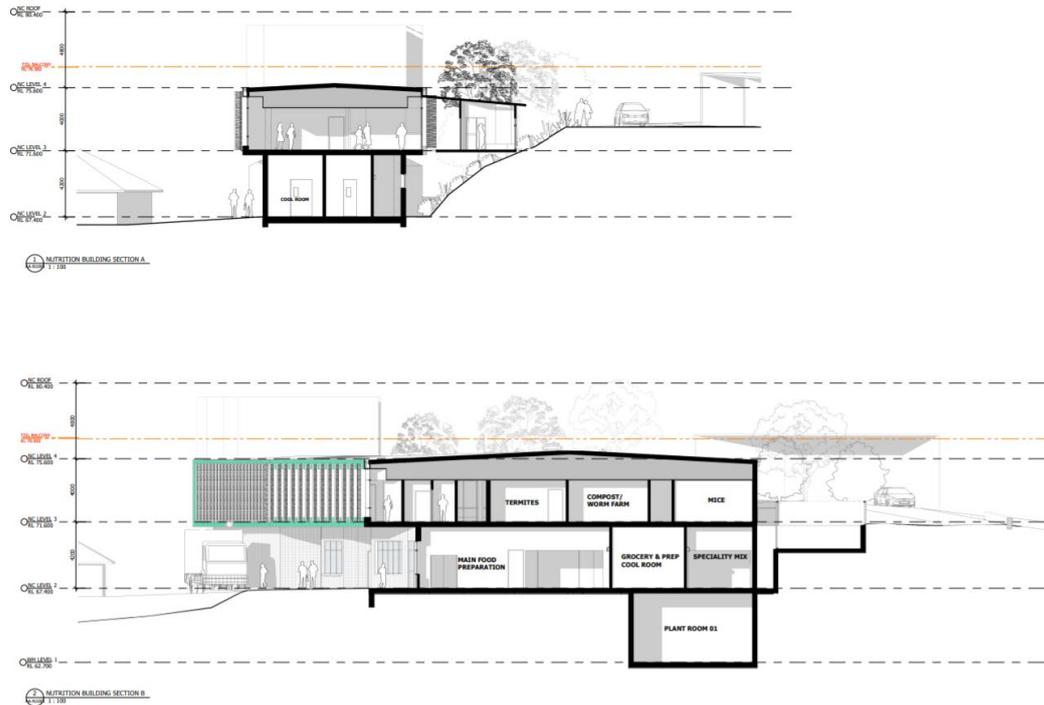


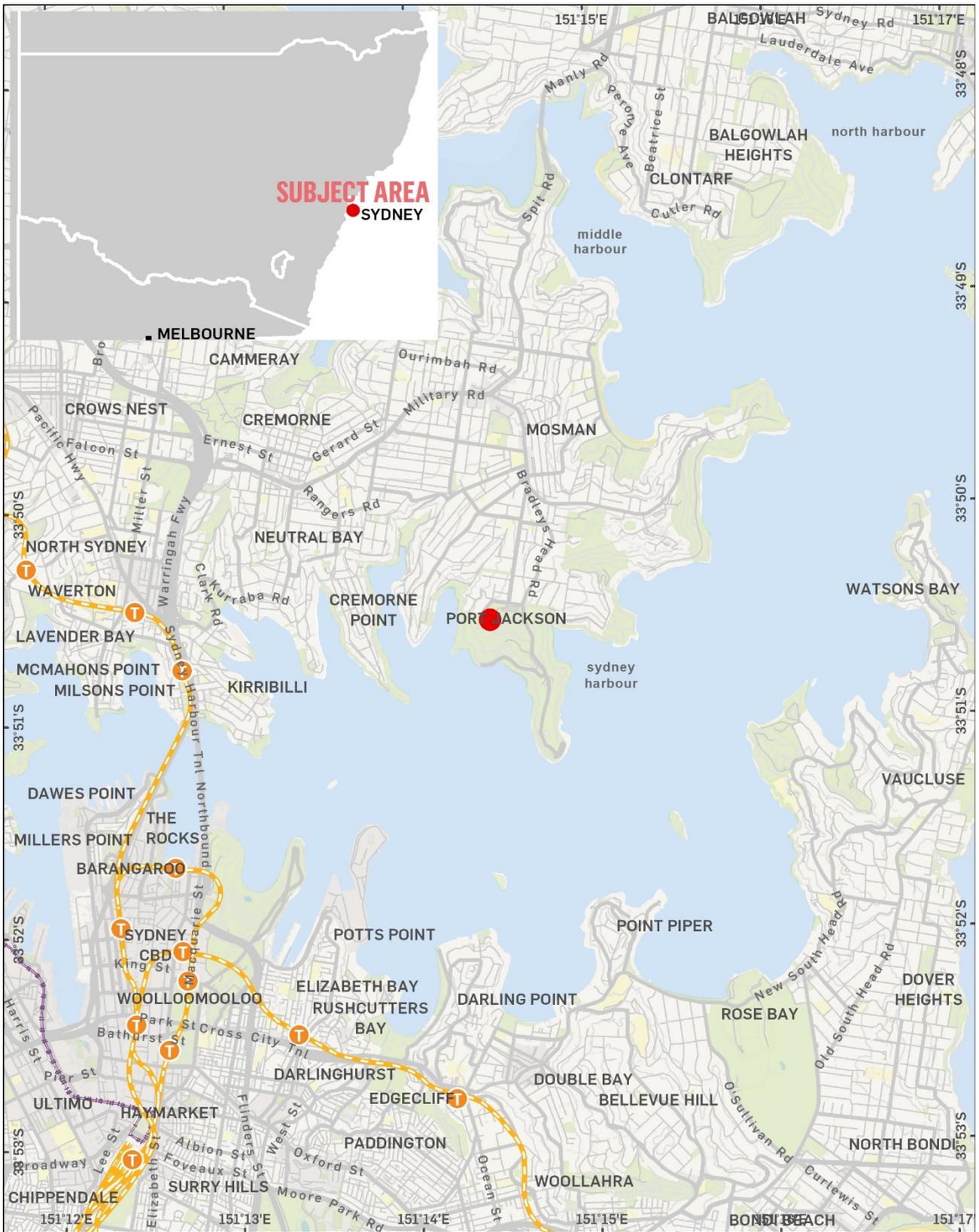
Figure 3 – sections of proposed Taronga Wildlife Hospital – Nutrition Centre Building, showing excavation levels including basement.
 Source: DWP, 2021

1.3. LOCATION AND DESCRIPTION OF THE SUBJECT AREA

Taronga Zoo is located at Bradleys Head Road, Mosman and is situated in the Mosman Local Government area (LGA). The site is bounded by Bradleys Head Road to the east, Athol Wharf Road and Sydney Harbour to the south, Little Sirius Cove to the west and Whiting Beach Road to the north. The subject area is located on Cammeragal Country, within the bounds of the Metropolitan Local Aboriginal Land Council.

Taronga Zoo is legally described as Lot 22 on DP843294 and is Crown Land managed by the TCSA (the Zoological Park Board).

The proposed Nutrition Centre Hospital is located within the north-western portion of the zoo, within the existing back-of-house area to the north-west of the zoo boundary.



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1 KM

Project No: P0031212

Project Manager: Balazs Hansel

Subject Area

REGIONAL LOCATION

NSW Centre for Conservation and Wildlife Rescue,
Taronga Zoo, Bradley's Head Road, Mosman NSW
Taronga Conservation Society Australia

Figure 4 – Regional location



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Project Manager: Balazs hansenl

Subject Area — **Contours**

Location of the Subject Area
Taronga Wildlife Hospital – The Nutrition Centre
Taronga Conservation Society

Figure 5 – Location of the subject area

1.4. STATUTORY CONTROLS

Management of Aboriginal objects is under the statutory control of the *National Parks and Wildlife Act 1974 (NPW Act)* further regulation of the process is outlined in the *National Parks and Wildlife Regulations 2009 (NPW Reg)*. This ACHA has been carried out in accordance with Part 6 of the NPW Act and Part 8A of the NPW Reg. The ACHAR was prepared the statutory guidelines under the NPW Act including:

- *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010* (Department of Environment, Climate Change and Water (DECCW), 2010) (the Consultation Guidelines).
- *Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW* (Office of Environment and Heritage 2011) (the Assessment Guidelines).
- *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (DECCW 2010).
- *The Australia ICOMOS Charter for Places of Cultural Significance, The Burra Charter, 2013 (Burra Charter)*.

The ACHA is required to inform the Environmental Impact Statement (EIS) which will be submitted to support a State Significance Development Application (SSDA). The ACHA will also address the relevant requirements of the Department of Planning's Secretary's Environmental Assessment Requirements (SEARs).

1.4.1. Response to SEARs

The ACHAR is guided by the Secretary's Environmental Assessment Requirements (SEARs) for the State Significant Development (SSD 176655146). Identifies the relevant SEARs and the corresponding sections of this ACHAR.

Table 1 – SEARs and relevant report sections

SEARs Item	Report Section
<p>Heritage</p> <p>an Aboriginal Cultural Heritage Assessment Report in accordance with relevant guidelines, identifying, describing and assessing any impacts for any Aboriginal cultural heritage values on the site, including archaeology</p>	<p>This whole report has been prepared to address this requirement.</p> <p>A discussion of potential impacts is included in Section 9.</p>

In receiving the SEARs, the proponent also received a response from the Department of Premier and Cabinet, Heritage New South Wales, Aboriginal Cultural Heritage Regulation Branch. This response identified requirements for the ACHA, which are addressed below.

Table 2 – HNSW – Aboriginal Cultural Heritage Regulation Branch response

SEARs Item	Report Section
<p>1. The EIS must identify and describe the Aboriginal cultural heritage values that exist across the whole area that will be affected by the development and document these in an Aboriginal Cultural Heritage Assessment Report (ACHAR). This may include the need for surface survey and test excavation. The identification of cultural heritage values must be conducted in accordance with the Code of Practice for Archaeological Investigation in NSW (DECCW 2010), and be guided by the Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in New South Wales (OEH 2011).</p>	<p>This ACHAR has been prepared to address this requirement. Identification of Cultural heritage values has been undertaken in accordance with the Code of Practice, and is included in Section 8.</p>

SEARs Item	Report Section
2. Consultation with Aboriginal people must be undertaken and documented in accordance with the Aboriginal Cultural Heritage Consultation Requirements for Proponents (DECCW 2010). The significance of cultural heritage values for Aboriginal people who have a cultural association with the land must be documented in the ACHAR.	Consultation has been undertaken in accordance with the Consultation Requirements, as detailed in Section 6.
3. Impacts on Aboriginal cultural heritage values are to be assessed and documented in the ACHAR. The ACHAR must demonstrate attempts to avoid impact upon cultural heritage values and identify any conservation outcomes. Where impacts are unavoidable, the EIS must outline measures proposed to mitigate impacts. Any objects recorded as part of the assessment must be documented and notified to Heritage NSW.	A discussion of potential impacts is included in Section 9.
4. The assessment of Aboriginal cultural heritage values must include a surface survey undertaken by a qualified archaeologist. The result of the surface survey is to inform the need for targeted test excavation to better assess the integrity, extent, distribution, nature and overall significance of the archaeological record. The results of surface surveys and test excavations are to be documented in the ACHAR.	The site survey was undertaken in 2 stages, in February and July 2021. The results of the surveys are discussed and included in Section 7.
5. The ACHAR must outline procedures to be followed if Aboriginal objects are found at any stage of the life of the project to formulate appropriate measures to manage unforeseen impacts.	Recommendations for the management of potential Aboriginal Objects are included in Section 11.
6. The ACHAR must outline procedures to be followed in the event Aboriginal burials or skeletal material is uncovered during construction to formulate appropriate measures to manage the impacts to this material	It is not anticipated that burials will be encountered during this project. Should burials be encountered the Unexpected Finds Procedure outlined in Section 11 should be followed.

1.4.2. Mosman Local Environmental Plan (LEP) 2012

Clause 5.10 of Part 5 of the Mosman Local Environmental Plan (LEP) outlines the heritage conservation principles for archaeological sites and relics for the Mosman Local Government Area (LGA), including:

(2) Requirement for consent

Development consent is required for any of the following

- (a) *demolishing or moving any of the following or altering the exterior of any of the following (including, in the case of a building, making changes to its detail, fabric, finish or appearance)—*
 - a) *a heritage item,*
 - b) *an Aboriginal object,*
 - c) *a building, work, relic or tree within a heritage conservation area,*
- (b) *altering a heritage item that is a building by making structural changes to its interior or by making changes to anything inside the item that is specified in Schedule 5 in relation to the item,*

- (c) *disturbing or excavating an archaeological site while knowing, or having reasonable cause to suspect, that the disturbance or excavation will or is likely to result in a relic being discovered, exposed, moved, damaged or destroyed,*
- (d) *disturbing or excavating an Aboriginal place of heritage significance,*
- (e) *erecting a building on land—*
 - a) *on which a heritage item is located or that is within a heritage conservation area, or*
 - b) *on which an Aboriginal object is located or that is within an Aboriginal place of heritage significance,*
- (f) *subdividing land—*
 - a) *on which a heritage item is located or that is within a heritage conservation area, or*
 - b) *on which an Aboriginal object is located or that is within an Aboriginal place of heritage significance.*

(7) Archaeological sites

The consent authority must, before granting consent under this clause to the carrying out of development on an archaeological site (other than land listed on the State Heritage Register or to which an interim heritage order under the Heritage Act 1977 applies)

- (a) *notify the Heritage Council of its intention to grant consent, and*
- (b) *take into consideration any response received from the Heritage Council within 28 days after the notice is sent.*

(8) Aboriginal places of heritage significance

The consent authority must, before granting consent under this clause to the carrying out of development in an Aboriginal place of heritage significance—

- (a) *consider the effect of the proposed development on the heritage significance of the place and any Aboriginal object known or reasonably likely to be located at the place by means of an adequate investigation and assessment (which may involve consideration of a heritage impact statement), and*
- (b) *notify the local Aboriginal communities, in writing or in such other manner as may be appropriate, about the application and take into consideration any response received within 28 days after the notice is sent.*

This assessment seeks to respond to provision (8) of the Mosman LEP 2012, by considering the effect of the proposed development on any known or reasonably likely to occur areas of Aboriginal cultural significance or Aboriginal objects. This assessment has involved notification to local Aboriginal communities of the proposed development.

1.4.3. Mosman Development Control Plan (DCP) 2012

A search of the Mosman Development Control Plan (DCP) 2012 was undertaken on 18th February 2021. The relevant DCP for Taronga Zoo is the *Open Space and Infrastructure Development Control Plan*. Heritage is addressed under Section 4.3 of this DCP.

No specific provisions regarding Aboriginal heritage were identified. The DCP refers to the controls identified in the Mosman LEP 2012.

1.5. OBJECTIVES

The objectives of this ACHA are to:

- Investigate the presence, or absence, of Aboriginal objects and/or places within and in close proximity to the subject area, and whether those objects and/or places would be impacted by the proposed development.
- Investigate the presence, or absence, of any landscape features that may have the potential to contain Aboriginal objects and/or sites and whether those objects and/or sites would be impacted by the proposed development.
- Document the nature, extent and significance of any Aboriginal objects and/or place and sites that may be located within the subject area.

- Document consultation with the Registered Aboriginal Parties (RAPs) with the aim to identify any spiritual, traditional, historical or contemporary associations or attachments to the subject area and any Aboriginal objects and/or places that might be identified within the subject area.
- Provide management strategies for any identified Aboriginal objects and/or places or cultural heritage values.
- Provide recommendations for the implementation of the identified management strategies.
- Prepare a final Aboriginal Cultural Heritage Assessment Report (ACHAR) to be included in the Environmental Impact statement (EIS) for the proposed redevelopment.

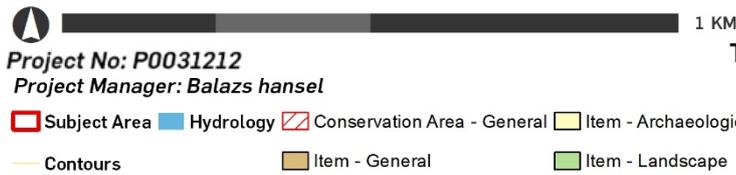
1.6. AUTHORSHIP

This ACHA has been prepared by Meggan Walker (Consultant Archaeologist) with review and quality control undertaken by Balazs Hansel (Associate Director Archaeology).



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Historical Heritage Items
 Taronga Wildlife Hospital – The Nutrition Centre
 Taronga Conservation Society

Figure 6 – Historical heritage constraints.

2. ARCHAEOLOGICAL CONTEXT

2.1. ABORIGINAL ARCHAEOLOGICAL BACKGROUND

This section comprises the summary of the archaeological background research for Aboriginal cultural heritage resources. This includes the search of the Aboriginal Heritage Information Management System (AHIMS), previous archaeological investigations pertinent to the subject area and landscape analysis.

2.2. ABORIGINAL HERITAGE INFORMATION MANAGEMENT SYSTEM (AHIMS)

The AHIMS database comprises previously registered Aboriginal archaeological objects and cultural heritage places in NSW and it is managed by the Aboriginal Branch of the Department of Premier and Cabinet (DPC) under Section 90Q of the *National Parks and Wildlife Act 1974* (NPW Act).

Aboriginal objects are the official terminology in AHIMS for Aboriginal archaeological sites. From this point in the assessment forward the terms of 'Aboriginal sites', 'AHIMS sites' or 'sites' will be used to describe the nature and spatial distribution of archaeological resources in relation to the subject area.

The search of the AHIMS was carried out on 9th February 2021 (Client Service ID: 566678) for an area of approximately 2km². The search found no registered Aboriginal sites within the subject area.

The search results are shown on Figure 8, discussed in Table 3 and Figure 7, and included as Appendix A.

AHIMS Search Results (CSID: 566678)

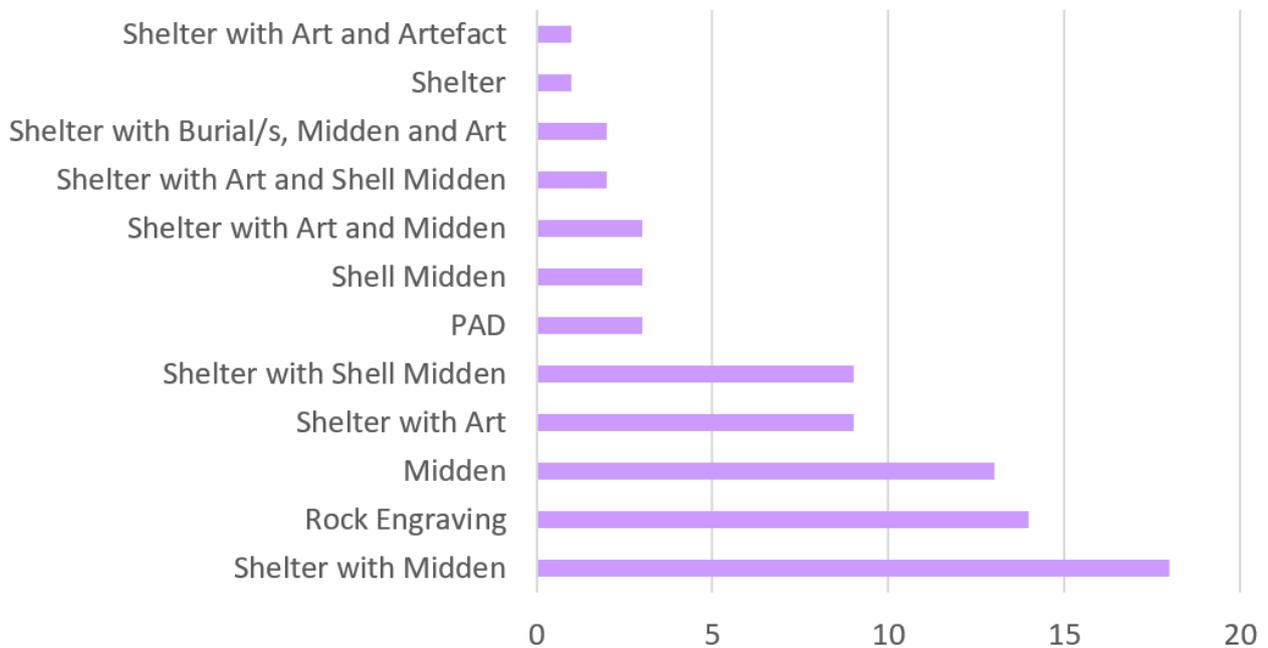


Figure 7 – AHIMS search results (Client Service ID: 566678)

Table 3 – AHIMS search results (Client Service ID: 566678)

Site Type	Number	Percentage
Shelter with Midden	18	23.1%
Rock Engraving	14	17.9%
Midden	13	16.7%
Shelter with Art	9	11.5%
Shelter with Shell Midden	9	11.5%
PAD	3	3.8%
Shell Midden	3	3.8%
Shelter with Art and Midden	3	3.8%
Shelter with Art and Shell Midden	2	2.6%
Shelter with Burial/s, Midden and Art	2	2.6%
Shelter	1	1.3%
Shelter with Art and Artefact	1	1.3%
Total	78	100%

In the above table, 'shell midden' describes a shell deposits which contains exclusively shell as identified on the AHIMS site card, whereas 'midden' described a deposit containing both culturally modified lithics and shell.

The types of sites identified reflect the landscape and environment of the search area. 'Open' context sites are sites which occur in open space, whereas 'closed' context sites are those which occur within rock shelters. Closed context sites dominated the search results, comprising 58% (n=45). This is due to the general topography and geology of the surrounding area, where sandstone outcrops are common. As a result, sites which are dependent on sandstone (including shelter sites and rock engravings) comprised 79% (n=62) of search results. These site types are typically indicative of habitation and long-term occupation across the area. Shelters are sites of habitation, and typically correlate with additional archaeological resources including art, shell middens and artefacts.

40% (n=31) of registered sites within the search area contained art. Art within shelters, typically in the form of pigment applied to the shelter wall, comprised 55% (n=17) of art sites, while rock engravings in open contexts comprised 45% (n=14) of art sites. Pigment art is typically associated with areas of habitation and sustenance, while engravings are typically located on flat sandstone outcrops, on ridges where suitable platforms and water are available. Most of the art sites are indicative of prolonged use and occupation/habitation within an area, and typically are of high cultural significance due to their rarity, caused by post-settlement destruction and natural erosion and wear processes. Art sites within shelters often correlate with middens, artefacts and burials.

Middens are sites containing deposits of edible shell indicative of habitation, sustenance and resource extraction. Middens are typically located within shelters and/or in close proximity to watercourses and shorelines where edible shells were extracted and subsequently processed. Midden may represent a single meal or an accumulation over a long period of time involving many different activities. 'Shell middens' are delineated in this report as containing exclusively shell, whereas 'Middens' refers to sites which also contain culturally modified lithics (stone artefacts).

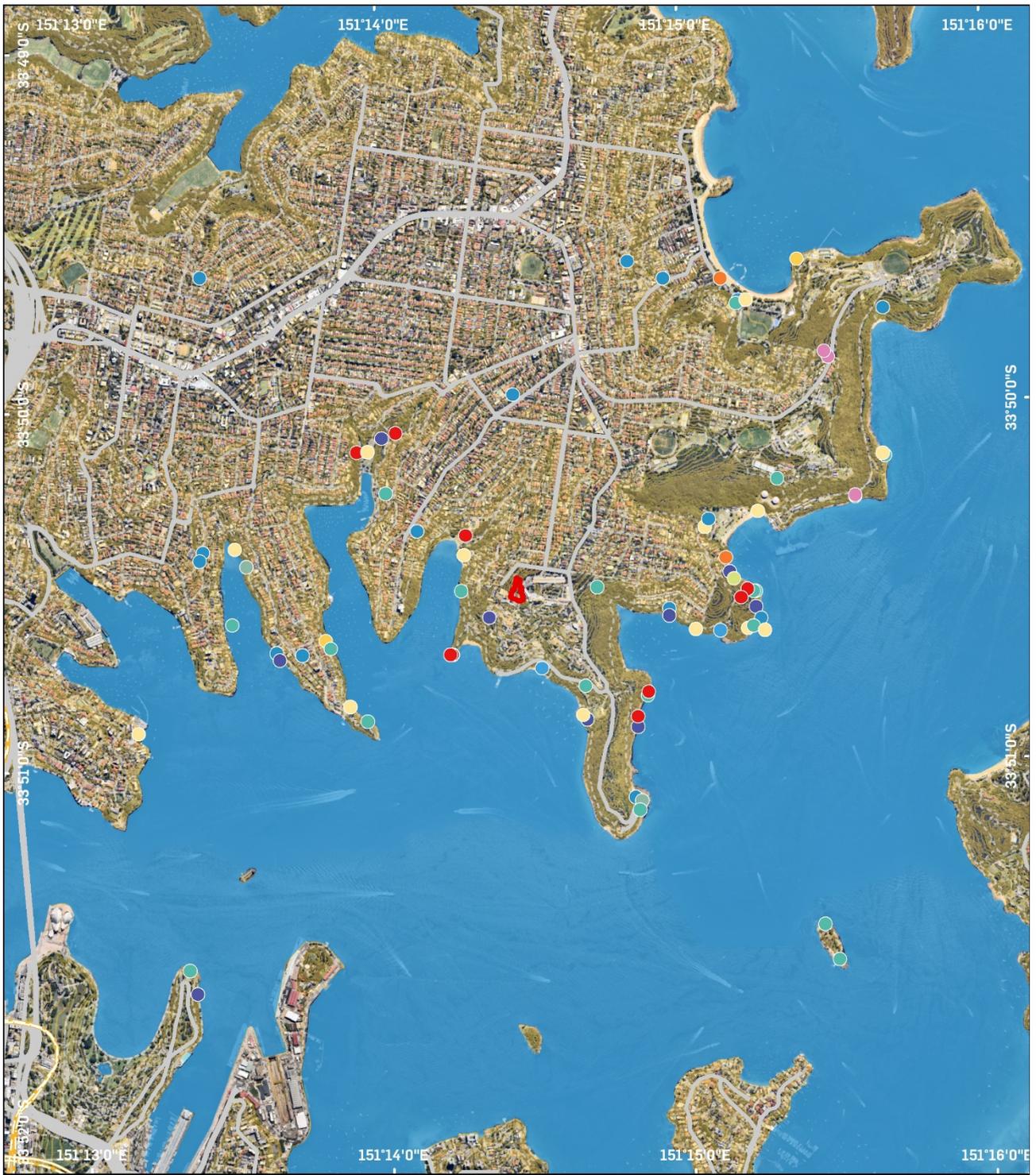
Burials are commonly found within middens and sand bodies. Aboriginal burial of the dead often took place relatively close to camp site locations. Burials have high cultural significance and are strongly protected under legislation. Sites containing human remains comprised 2.6% (n=2) of site types within the search area, with the remains identified within shelters with middens and art.

Sites containing stone artefacts comprised 47% (n=37) of site types. This included artefacts in open and closed context, with scatters of varying densities and associated with other materials. Artefact scatter sites are sites with multiple culturally modified lithics within a 10m area. Artefact scatters range in size; from small, low intensity, 'background' scatter, to large scatters of hundreds of artefacts, with accompanying materials which would indicate use of the area for long term habitation purposes.

Potential Archaeological Deposits (PAD) sites comprised 3.8% (n=3) of results, and occurred only in isolation across the search area, rather than being associated with other sites. PADs typically represent areas where the environmental context and level of disturbance are such that subsurface remains are deemed to be likely, and the registering of PADs is usually followed by test excavation which will either realise this potential through the identification of sites, or result in the de-registering of the area due to the absence of materials. PADs are typically registered within areas where deposits indicative of habitation are anticipated to occur.

It should be noted that the AHIMS register does not represent a comprehensive list of all Aboriginal objects or sites in a specified area. It lists recorded sites identified during previous archaeological survey effort. The wider surroundings of the subject area have experienced various levels and intensity of archaeological investigations during the last few decades. Most of the registered sites have been identified through targeted, pre-development surveys for infrastructure and maintenance works, with the restrictions on extent and scope of those developments.

Furthermore, it is important to note that archaeological sites alone will not provide the full context of how Aboriginal people might have used the landscape in the past and how their every day and ceremonial activities shaped the landscape and provided the cultural connection to the natural environment. Archaeological resources comprise only one aspect (tangible) of Aboriginal cultural heritage and intangible cultural heritage provides a more holistic context of past and present Aboriginal life.



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Project No: P0031212
Project Manager: Balazs hansel

AHIMS Sites in Extensive Search area
 Taronga Wildlife Hospital – The Nutrition Centre
 Taronga Conservation Society

- Subject Area
- Midden
- Shelter
- Shelter with Art and Shell Midden
- Contours
- PAD
- Shelter with Art
- Shelter with Burial/s, Art and Midden
- Hydrology
- Rock Engraving
- Shelter with Art and Artefact
- Shelter with Midden
- Shell Midden
- Shelter with Art and Midden
- Shelter with Shell Midden

Figure 8 – Registered Aboriginal sites in search area



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Project No: P0031212
Project Manager: Balazs hansel

AHIMS Sites in proximity Taronga Wildlife Hospital – The Nutrition Centre Taronga Conservation Society

- Subject Area
- Midden
- Shelter
- Shelter with Burial/s, Art and Midden
- Contours
- PAD
- Shelter with Art
- Shelter with Midden
- Hydrology
- Rock Engraving
- Shelter with Art and Midden
- Shelter with Shell Midden
- Shell Midden
- Shelter with Art and Shell Midden

Figure 9 – Registered Aboriginal sites in search area

2.3. REGIONAL ARCHAEOLOGICAL CONTEXT

Previous archaeological assessments across the Cumberland Plain provide important data on Aboriginal archaeological site distribution and typology. An understanding of the archaeological landscape within the subject area can be developed from this analysis.

Aboriginal occupation in the Sydney region encompasses at least 20,000 years with dates of 13,000 before present (BP) at Shaws Creek in the Blue Mountain foothills; 11,000 BP for Mangrove Creek and Loggers Shelter and c. 20,000 BP at Burrill Lake on the NSW South Coast (Attenbrow 2002). The majority of sites in the Sydney region have been dated to within the last 3,000 to 5,000 years, with many researchers proposing that occupation intensity increased during this period. This apparent intensity of occupation may have been influenced by rising sea levels. By about 6,500 BP, seas had risen to their present levels. Radiocarbon dating of charcoal samples from sand sheet contexts in proximity to the Cooks River have indicated occupation to the late Pleistocene (McDonald 2005). Older occupation sites along the now submerged coastline would have been flooded, with subsequent occupation concentrating and utilising resources along the current coastlines and changing ecological systems in the hinterland and the Cumberland Plain (Attenbrow 2002).

The Cumberland Plain Predictive Model has been developed through a number of assessments from 1985-1997 and onwards (Kohen, 1985; Smith, 1989; JMCHM, 1992; AMBS, 1997). These assessments involved developing and testing hypotheses about the location of artefactual material in relation to environmental factors including proximity to water and ridgelines. The predictive model was tested by excavations undertaken by Jo McDonald Cultural Heritage Management (JMCHM) in 1992 at Hoxton Park (JMCHM, 1992). The spatial location and density of artefacts recovered from these excavations, with highest density approximately 80-90m from the creek on higher ground, disputed previous claims about spatial distribution of sites within the Cumberland Plain region and led to the development of the currently accepted predictive model, which employs a model of environmental determinism.

More recently, excavation at Leppington undertaken by GML (GML, 2012) have begun to further interrogate and reconsider the environmental determinism of the predictive model. This has been supported by the work of Tim Own (2015) which suggests that areas of high cultural sensitivity, where ritual and ceremonial practices were undertaken, are unlikely to involve surface or subsurface artefactual expression. Owen suggests a more complex pattern of spatial selection on the basis of activity, wherein certain spatial characteristics would be suitable for certain activities. This model of understanding of the use of space by Aboriginal people both prior to and following settlement is developing and will continue to inform developing understandings of the use of space going forward.

2.4. LOCAL ARCHAEOLOGICAL CONTEXT

2.4.1. Taronga Zoo

Taronga Zoo has been the subject of previous archaeological assessments to guide and support development.

GML, 2004. Taronga Zoo Archaeological Management Plan

There is an existing Aboriginal Archaeological Management Plan (AMP) for the wider Taronga Zoo Park. This was prepared in 2004 by GML. The Archaeological Management Plan assessed the archaeological, environmental and historical land use context of the Taronga Zoo site to inform a system by which the zoo was divided into Management Zones which correlated to archaeological potential and thus management strategies for potential Aboriginal archaeological sites. 5 zones were identified, discussed in the table below.

Table 4 – Management zones

Zone	Description	Corresponding Potential
1	Identified Art Site	High
2	Unassessed area outside Zoo boundary wall	N/A
3	Rock surface unmodified by European development.	High

Zone	Description	Corresponding Potential
	Areas of original bushland unmodified by European development.	
4	Areas heavily modified by European Development.	Medium to Low
5	Areas which have previously been excavated down to bedrock, or culturally sterile soils.	Nil

Source: GML, 2004.

The Taronga Zoo AMP identifies the subject area within the following zones (Figure 8):

- Zone 4.
- Zone 5.

Accordingly, the subject area is registered as having nil-low Aboriginal archaeological potential. Management strategies identified for these zones include an Archaeological Induction for all contractors if subsurface disturbance is proposed and a chance find procedure developed. These recommendations are made in this report.

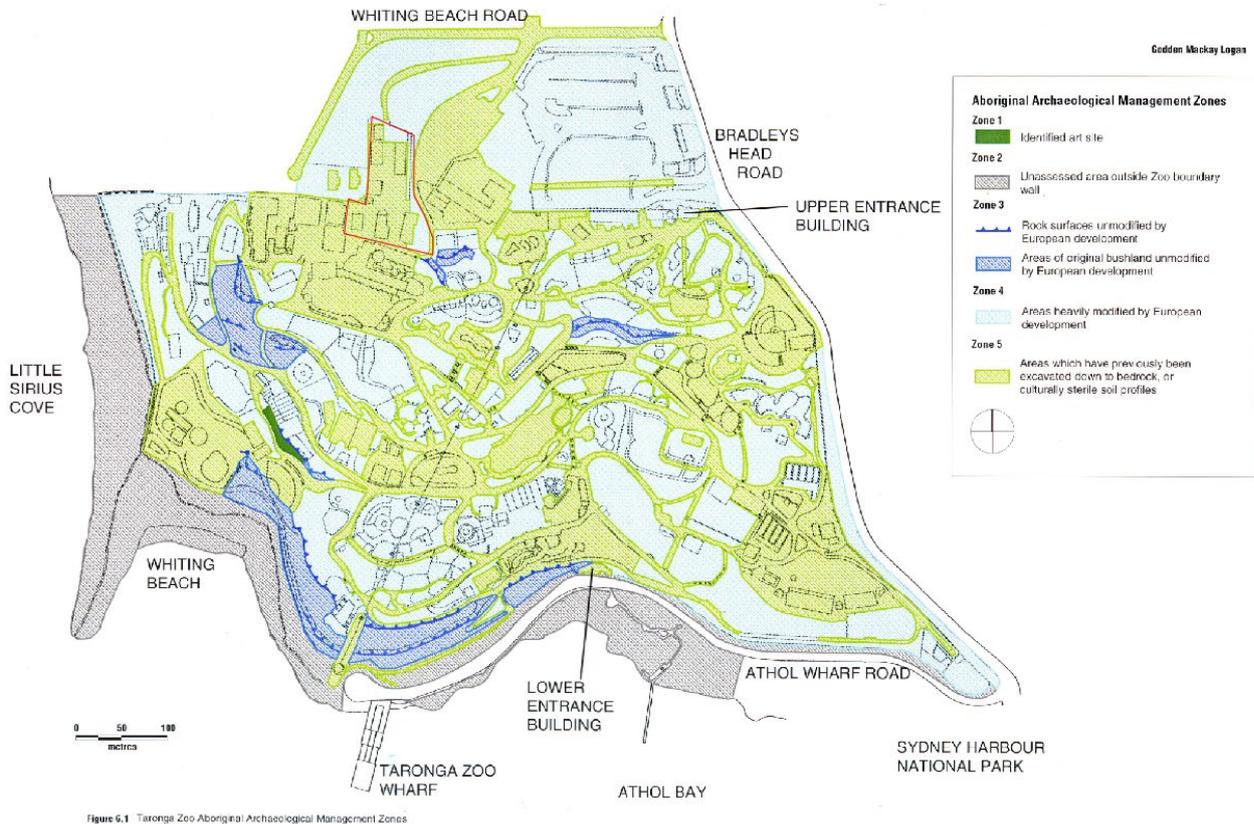


Figure 6.1 Taronga Zoo Aboriginal Archaeological Management Zones

Taronga Zoo Aboriginal Management Plan, Heritage Council Enclosed - January 2004

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Figure 10 – Aboriginal Archaeological Management Zones, with subject area overlaid, demonstrating subject area is within Zone 4 and Zone 5.

Source: Taronga Zoo AMP, 2004.

Urbis, 2021. Aboriginal Cultural Heritage Assessment, Reptile and Amphibian Centre, Taronga Zoo.

In 2021, Urbis prepared an ACHA for the proposed Reptile and Amphibian Conservation Centre towards the south-east of the Taronga Zoo site. This assessment identified low archaeological potential for the site due to high levels of disturbance associated with former enclosures including the excavation of the area to bedrock when decommissioning the former seal pond which had once occupied the site. This assessment did identify a displaced sandstone boulder which had been modified due to European development. This boulder was identified as significant and as an important part of the landscape. Through consultation with RAPs, it was determined that the boulder should be kept on site and re-used as a landscape element in the design of the site. It was also determined that this outcrop capped an unknown deposit of sandy soils which may contain archaeological potential. As such, monitoring of the boulder removal and potential excavation of the deposit was recommended.

Urbis, 2020. Aboriginal Cultural Heritage Assessment, Upper Australia Precinct, Taronga Zoo.

In 2020, Urbis prepared an ACHA for the Upper Australia Precinct within Taronga Zoo, to the north of the current subject area, to support a SSDA. This involved the demolition of existing structures, including the Platypus House and landscape, and the construction of new facilities for the display of animals. This ACHA identified that no Aboriginal sites were registered on AHIMS or visible within the subject area, with no landscape features with potential for Aboriginal objects or archaeological deposits located within the subject area. The ACHA concluded that disturbance was high within the subject area resulting from the use of the site as a Zoo. This assessment recommended that, on the basis of the low potential of the site, no further work was necessary and an Aboriginal cultural heritage induction and chance finds procedure should be prepared and followed.

Dominic Steele Consulting Archaeology (DSCA), 2017. Aboriginal Archaeological Assessment – Taronga Zoo, Savannah & Congo Precincts.

In 2017, DSCA prepared an Aboriginal archaeological assessment for the Savannah and Congo Precincts at Taronga Zoo. This assessment identified that, while sandstone outcrops did occur within the subject area, they did not contain and art or grinding grooves and did not provide overhangs suitable for occupation. No sites were registered within the subject area, nor were any identified during the site visit. No areas of potential sensitivity were identified and this assessment concluded that the works could proceed with a chance find procedure enacted.

2.4.1.1. Mosman

Archaeological publications which relate to the Mosman area date back over 120 years, with W. D. Campbell's (1899) and R. H. Mathews (1898, 1899) systematic recordation of Aboriginal rock engravings around Sydney throughout the 1890s. The subsequent 50 years experienced a hiatus in the investigation of Aboriginal sites.

Mosman Council commissioned heritage studies for the municipality in the late 20th century (Haglund and Rich 1988; Koettig 1991). Haglund and Rich (1988) identified 21 Aboriginal sites within the LGA and, just 3 years later, Koettig (1991) identified 77.

Throughout the 1990s Attenbrow (1990, 1991, 1991, 1993, 1994, 1995) undertook a number of archaeological surveys and excavations within the Mosman LGA. Attenbrow identified a further 123 occupation sites (1990). Excavations of a rock shelter at Balmoral Beach (Attenbrow 1992, 1993, 1994 & 1995) revealed a continuous record of occupation from 2,500 BP.

In 2005 an Aboriginal Heritage Study (AHS) was prepared for the Mosman LGA by AMBS. This publication was commissioned by the NSW National Parks and Wildlife Service (NPWS), Metropolitan Local Aboriginal Land Council (MLALC), Mosman Council and Sydney Harbour Federation Trust (SHFT) for the purpose of clearly articulating the responsibilities of these agencies in respect of the Aboriginal heritage of the Mosman LGA. At the time of writing there were 92 recorded sites within the Mosman LGA and the AHS identified a further 15.

These publications are briefly summarised below in Table 5

Table 5 – Summary of previous publications relevant to the Mosman regional archaeological context

Report	Summary	Relevance to Subject Area
<p><i>Attenbrow & Ross, 1990. Archaeological Site Survey: Bradley's Head</i></p>	<p>Report prepared in relation to the proposed redevelopment of the HMAS Memorial at Bradley's Head in Sydney Harbour National Park. It established that no Aboriginal sites were located within the vicinity of the proposed works, with the exception of a single artefact. A number of archaeological sites were identified within the vicinity, however.</p>	<ul style="list-style-type: none"> ▪ Although the landscape context would predict that middens, art sites and other site types were once abundant on the southern tip of Bradley's head, these would have been removed through the construction of fortifications and roads in the 19th and 20th centuries. ▪ Identified a rock shelter site (45-6-1959) in addition to the 5 registered sites located on Bradley's Head peninsula.
<p><i>Attenbrow, V. 1990. The Port Jackson Archaeological Project, Stage 1: a study of the Port Jackson Catchment</i></p>	<p>A publication of relevance for the present assessment was the Port Jackson Archaeological Project, prepared by Val Attenbrow on behalf of the Australian Museum in 1990. Stage 1 of this study involved a survey of Aboriginal archaeological sites throughout Port Jackson, which contributed significantly toward an increased understanding of the relationship between site type and landscape features. The study found that the majority of sites were located within proximity of water, Hawkesbury sandstone and on the lower points of ridgelines. Attenbrow (1990:46-47) attributed these findings to the reduced development and increased visibility afforded by these landscape features.</p>	<ul style="list-style-type: none"> ▪ Established that the range and predominance of particular shellfish species varies according to distance from the harbour and that middens are located in relation to resources. ▪ Established that 16% of middens were totally or highly disturbed, 31% were totally or partially disturbed and that in 53% of sites some in situ deposit had survived. ▪ Established that Port Jackson retains a large number of middens which are suitable for scientific research purposes.
<p><i>Koettig, M. 1991. Mosman Municipality Heritage Study of Aboriginal Sites</i></p>	<p>Koettig's review of Aboriginal sites throughout the Mosman LGA found that site types were 'typical of those found in the Hawkesbury Sandstone Region', which is characterised by an absence of stone arrangements, grinding grooves and scarred trees (Koettig 1991:39). This is reflected also</p>	<ul style="list-style-type: none"> ▪ Identified a total of 77 Aboriginal sites. ▪ Established that the majority of occupational deposits are associated

Report	Summary	Relevance to Subject Area
<p><i>Attenbrow, 1992, 1993, 1994, 1995. Archaeological Excavation of a rockshelter at the southern end of Balmoral Beach, Mosman</i></p>	<p>This study documented the excavation of a shell midden at a rock shelter at Balmoral Beach. Excavation was undertaken both inside and outside of the rock shelter and revealed a continuous deposit containing stone artefacts, faunal remains, hearths and shell material dating back at least 2,500 BP.</p>	<ul style="list-style-type: none"> with the foreshore and always contain shell middens. ▪ Established that art occurs both in open and closed contexts and in all areas of the landscape. ▪ Identified two 'Art / Shelter' sites within the curtilage of the subject area. ▪ Revealed a record of continuous occupation over a period of 2,500 years, as indicated by multiple hearths. ▪ Shell material was located principally in the upper 65 cm of the deposit, suggesting a transition to a marine-based diet. ▪ 18 different species of shellfish were identified, suggesting varied exploitation of the marine resources.
<p><i>AMBS, 2005. Aboriginal Heritage Study of the Mosman Local Government Area.</i></p>	<p>In addition to consolidating the findings of previous publications, the AHS undertook statistical analyses as a means of identifying smaller (archaeological sites) and general (cultural landscape) trends. The study determined that:</p> <ol style="list-style-type: none"> 1. Highest frequencies of archaeological sites are around the foreshore; and 2. Lowest frequencies of archaeological sites occur on interconnecting ridgetops. <p>The study also found that the probability of the appearance of sites decreases as the elevation (or distance from water) increases (AMBS 2002:103). This outcome does not agree with Koettig's (1991:8) earlier assertion that 'it is not useful to use topographic or environmental variables</p>	<ul style="list-style-type: none"> ▪ Identified the Aboriginal heritage of the Mosman LGA as exceptional on the basis that the frequency and preservation of archaeological finds is almost unparalleled within the Sydney Metropolitan Area. ▪ The majority of Aboriginal sites are located along the foreshore and lower slope areas, suggesting a preference for marine resources. ▪ Middens, both open and closed, displayed the least variation of any Aboriginal site type in the Mosman LGA and reflect a preference for the

Report	Summary	Relevance to Subject Area
<p><i>NSW Department of Environment, Climate Change and Water, 2010. Aboriginal Heritage of Mosman</i></p>	<p>This document was prepared by DECC with the intention of providing an accessible guide to the Aboriginal heritage of the Mosman area. This document provides a description of the Aboriginal heritage context of the Mosman area.</p>	<p>coastal landscape, rather than a bias caused by development away from the immediate shorelines.</p> <ul style="list-style-type: none"> ▪ The distribution and variation within Aboriginal sites in relation to topography revealed two primary areas of occupation: north-west and south-east. ▪ Outlines principal site types which are found within the Mosman area; these being middens, archaeological deposits, engravings, pigment art, burials and grinding grooves.

2.5. SUMMARY

The conclusions from the review of the archaeological context are as follows:

- No Aboriginal objects and/or places are registered on AHIMS within the subject area or within proximity.
- The subject area is within management zones 4 (Areas heavily modified by European Development) and 5 (areas which have previously been excavated down to bedrock, or culturally sterile soils) on the GML 2004 AMP for the wider Taronga Zoo. There is nil-low Aboriginal archaeological potential associated with these zones.
- There are a number of Aboriginal archaeological sites, particularly those which occur upon or within sandstone, within the wider regional context. However, no sandstone outcrops are identified as occurring within the subject area.
- Regionally, the majority of occupational deposits are associated with the foreshore and generally always contain shell materials.
- Where disturbance is high, particularly across the wider Taronga Zoo grounds where land modification has been extensive with terracing for paths and exhibits, Aboriginal archaeological potential is diminished.

3. ENVIRONMENTAL CONTEXT

3.1. GEOLOGY AND SOILS

The subject area is located within the Sydney Basin Bioregion. The underlying geology of the Mosman area consists of Triassic Hawkesbury Sandstone, which is exposed along the shoreline (Chapman & Murphy 1989). The Hawkesbury Sandstone is a medium to coarse-grained quartz sandstone with minor shale and laminitic lenses.

The subject area is located within the Gynea soil landscape (gy), which consists of undulating to rolling rises and low hills on Hawkesbury Sandstone. Soils consist of shallow to moderately deep (30-100 cm) Yellow Earths and Earthy Sands on crests and inside of benches, shallow (<20 cm) Siliceous Sands on leading edges of benches, localised Gleyed Podzolic Soils and Yellow Podzolic Soils on shale lenses and shallow to moderately deep (<100 cm) Siliceous Sands and Leached Sands along drainage lines (Figure 12).

The depth of natural soils is relevant to the potential for archaeological deposits to be present, especially in areas where disturbance is high. Most of the Mosman area is highly disturbed as a result of moderate density residential development during the 20th Century.

The wider Taronga Zoo area is characterised by the presence of intersecting sandstone ledges that sloped towards the harbour foreshore. The site has been subject to high levels of disturbance relating to its use as a zoo, which necessitated the creation of level building terraces by cutting and filling sections of the sandstone bedrock. While the majority of the subject area has been heavily modified, there are some portions which retain unmodified sandstone outcrops and faces, as well as remnant original bushland.

3.1.1. Geotechnical Analysis

Geotechnical Investigation was undertaken at the subject area in February 2021, by Douglas Partners. This involved the drilling of 10 cored boreholes to depths of between 5.5m and 12.0m. Three dynamic cone penetration tests were also carried out to refusal at depths of between 0.5-1.45m in areas inaccessible to drilling equipment. Of the 10 cored boreholes, 7 were within the current subject area.

The geotechnical investigations identified the subsurface conditions as being primarily fill overlying sandstone bedrock. Fill materials included asphalt, gravelly or clayey sand and road base to depths of between 0.34-1.23m in 8 of the boreholes, with fill extending to depths of 3.1m in the remaining two boreholes. Deeper fill included concrete, timber and asbestos containing fibre cement.

No natural soils were encountered during the geotechnical investigation. It should be noted that the terminology 'fill' does not always describe imported soils and the source of the fill may need to be further confirmed by geomorphological investigation. The results of the geotechnical analysis are discussed below. Notably, the geotechnical investigation did not include the area of natural vegetation but was restricted to other portions of the site.

Table 6 – Geotechnical investigation results

Borehole No.	Depth	Material
PF1	Ground-0.03m	Asphaltic concrete
	0.03-0.34m	Fill/Sand: fine to medium, yellow-brown, with fine sandstone gravel, moist, apparently loose.
	0.34-5.55m	Sandstone (varying types) (bedrock)
WH1	Ground-0.05m	Asphaltic concrete
	0.05-0.25m	Fill/Road base: gravelly sand, fine to medium grained, grey-brown, fine igneous gravel with silt, moist.

Borehole No.	Depth	Material
	0.25-0.7m	Fill/Sand: fine to medium, dark brown, with silt, clay, trace fine igneous gravel, moist, apparently medium dense.
	0.7-1m	Fill/Sand: fine to medium, yellow-brown, with fine sandstone gravel, moist, apparently medium dense
	1m-5.71m	Sandstone (varying types) (bedrock)
WH2	Ground-0.05m	Asphaltic concrete
	0.05-0.2m	Concrete slab
	0.2-0.8m	Fill/Clayey sand: fine to medium, yellow-brown, with fine sandstone gravel, moist, apparently medium dense to dense
	0.8-1.8m	Fill/Sand: fine to medium, dark brown and brown, with clay, silt, fine sandstone gravel, moist, apparently dense 1.5m: trace carbonaceous material
	1.8-2.15m	Fill/Sand: fine to medium, pale grey, trace clay, fine sandstone gravel, silt, moist, apparently dense
	2.15-2.34m	Concrete
	2.34-3.1m	Fill/Gravelly clay: low plasticity, yellow-brown and brown, fine sandstone and igneous gravel, trace timber, fibre cement fragments (confirmed asbestos containing material), w<PL
	3.1-12m	Sandstone (varying types) (bedrock)
WH3	Ground-0.03m	Asphaltic concrete
	0.03-0.15m	Fill/Road base: Gravelly sand, fine to medium, grey-brown, fine igneous gravel, with silt, moist
	0.15-0.5m	Fill/Sand: fine to medium, dark brown, with silt, clay, trace fine igneous gravel, moist
	0.5-0.65m	Fill/Sandstone boulder: red-brown, medium strength.
	0.65-0.73m	Concrete
	0.73-5.52m	Sandstone (varying types) (bedrock)
WH4	Ground-0.03m	Asphaltic concrete
	0.03-0.1m	Fill/Road base: Gravelly sand, fine to medium, grey-brown, fine igneous gravel, with silt, moist
	0.1-1.4m	Fill/Sand: brown and grey, with clay, silt, trace fine sandstone gravel, apparently medium dense to dense 0.8-1.15m: low to medium plasticity, red-brown silty clay fill band

Borehole No.	Depth	Material
	1.4-3.07m	Fill/Sandy clay: low plasticity, pale orange-brown and red-brown, fine to medium sand, trace subrounded, fine sandstone gravel, w<PL, in a stiff condition Below 2.0m: with sandstone gravel, trace igneous gravel, wood
	3.07-11.56m	Sandstone (varying types) (bedrock)
WH6	Ground-0.05m	Asphaltic concrete
	0.05-0.15m	Fill/Road base: Gravelly SAND, fine to medium, grey-brown, fine igneous gravel, with silt, moist
	0.15-0.3m	Fill/Sand: fine to medium, pale-brown, trace fine sandstone gravel, moist
	0.3-1.23m	Fill/Sand: fine to medium, dark-brown and yellow-brown, trace silt, clay, moist, apparently medium dense
	1.23-8.43m	Sandstone (varying types) (bedrock)
WH7	Ground-0.1m	Asphaltic concrete
	0.1-0.25m	Fill/Road base: Gravelly SAND, fine to medium, grey-brown, fine igneous gravel, with silt, moist
	0.25-1.61m	Fill/Sand: yellow-brown, fine to medium, with fine sandstone gravel, moist, apparently medium dense
	1.61-7.11m	Sandstone (varying types) (bedrock)
WH8	Ground-0.03m	Asphaltic concrete
	0.03-0.1m	Fill/Road base: Gravelly SAND, fine to medium, grey-brown, fine igneous gravel, with silt, moist, apparently medium dense
	0.1-1.55m	Fill/Sand: fine to medium, brown, grey and yellow, with fine sandstone and igneous gravel, clay, silt, apparently medium dense to dense 1.20-1.45m: low plasticity, yellow-brown sandy clay fill band
	1.55-8.51m	Sandstone (varying types) (bedrock)



Figure 11 – Geotechnical Investigation – Borehole locations.
 Source: Douglas Partners, 2021.

3.2. HYDROLOGY

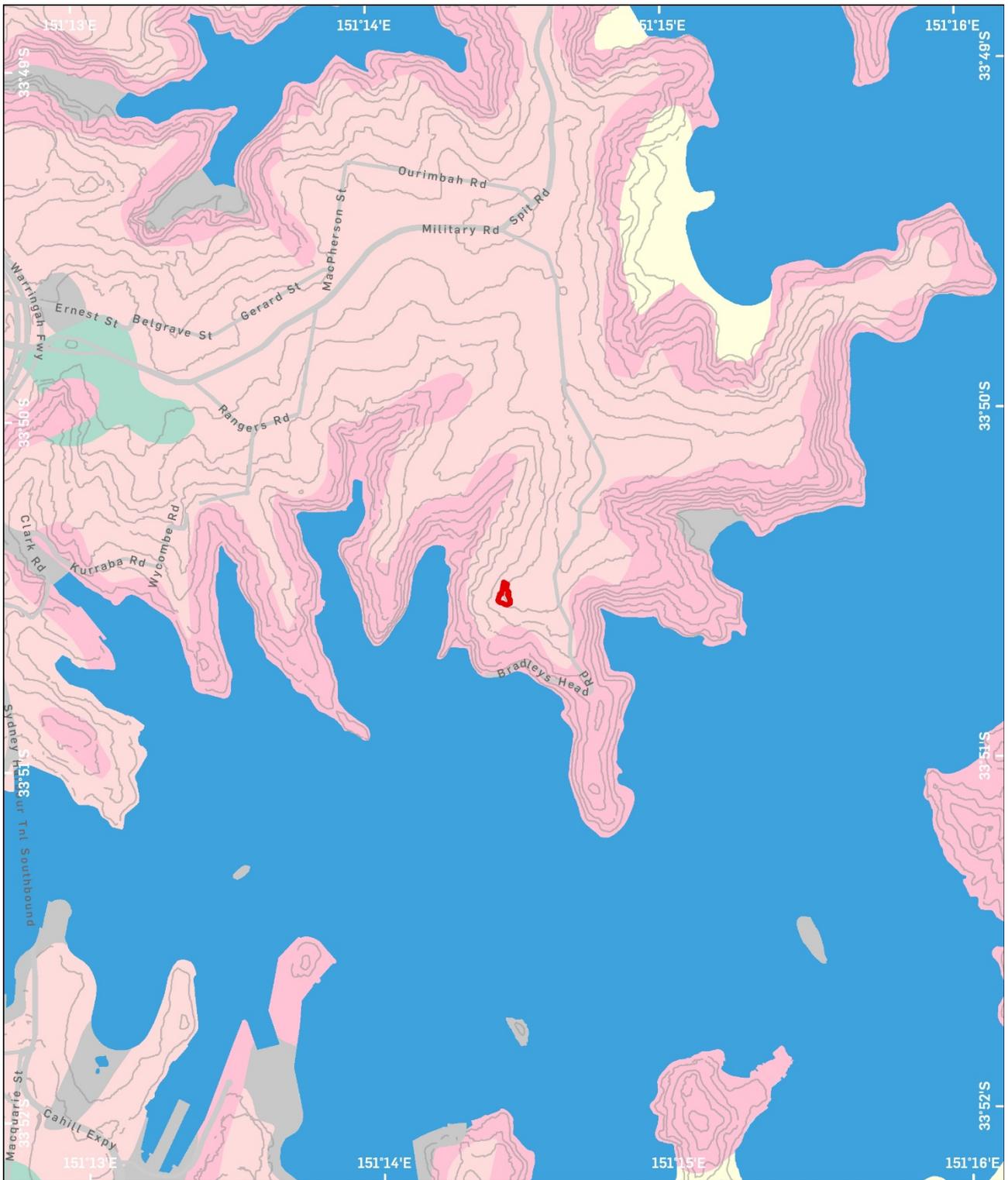
The wider Taronga Zoo site is located on a peninsula which extends south into Port Jackson (Sydney Harbour). Taylors Gully drains into the harbour approximately 400m to the east of the subject area, with Sirius Creek 330m to the north-west and Little Sirius Cove 270m to the west.

Hydrology is an important factor in any analysis of environmental factors and their contribution to archaeological potential. The predictive model for the Cumberland Plain developed across the 1980s-late 1990s and supported by more recent assessments (see Sections 2.3-2.4) hypothesises that proximity to permanent watercourses was a primary factor in the determination of locations for habitation. While the primacy of environmental determinism as a theory for the determination of predictive models to understand Aboriginal use of the land has been challenged in recent years (Owen, 2015), areas in proximity to watercourses are generally considered to be archaeologically sensitive. This includes the alluvial plains of watercourses and ridgelines and elevated areas above waterways.

3.3. VEGETATION AND RESOURCES

The Gynea soil landscape was originally characterised by dry sclerophyll woodland and open forest. Common species included red bloodwood *Eucalyptus gummifera*, yellow bloodwood *E. eximia*, scribbly gum *E. haemastoma*, brown stringybark *E. capitellata* and old man banksia *Banksia serrata*. On the more sheltered slopes, black ash *E. sieberi*, Sydney peppermint *E. piperita* and smooth-barked apple *Angophora costata* are common tree species. The dry sclerophyll understorey consisted of shrubs from the families Epacridaceae, Myrtaceae, Fabaceae and Proteaceae.

Whereas native forests have been extensively cleared to make way for residential development, Mosman retains a relatively large number of its native forests, particularly along its foreshores. This is the result of their original incorporation within military installations, which afforded them protection until they were transferred into the ownership of the State government in 1979 and became part of the Sydney Harbour National Park (AMBS 2005: 17).



GDA 1994 MGA Zone 56

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Project No: P0031212

Project Manager: Balazs hansel

SOIL LANDSCAPES AND HYDROLOGY

Taronga Wildlife Hospital – The Nutrition Centre
Taronga Conservation Society

- | | | | | |
|-----------------------|----------------|--------------------------|-----------------------|-----------------|
| Subject Area | Aeolian (AEnp) | Colluvial (COha) | Erosional (ERgy/ERla) | Residual (RElh) |
| Hydrology | Aeolian (AEtg) | Disturbed Terrain (DTxx) | Erosional (ERla) | Water |
| Hydrology 200m Buffer | Aeolian (AEww) | Erosional (ERgy) | Residual (REbt) | |
| Contours | | | | |

Figure 12 – Soils landscapes and hydrology

3.4. LANDFORM

There are varying morphological types of Landform elements (see Figure 13 and Figure 14). The Australian Soil and Land Survey Field Handbook (CSIRO, 2009) identifies ten types. These types are as follows:

Table 7 – Landform definitions

Type	Definition
Crest (C)	Landform element that stands above all, or almost all, points in the adjacent terrain. It is characteristically smoothly convex upwards in downslope profile or in contour, or both. The margin of a crest element should be drawn at the limit of observed curvature.
Hillock (H)	Compound landform element comprising a narrow crest and short adjoining slopes, the crest length being less than the width of the landform element.
Ridge (R)	compound landform element comprising a narrow crest and short adjoining slopes, the crest length being greater than the width of the landform element.
Simple Slope (S)	Slope element adjacent below a crest or flat and adjacent above a flat or depression.
Upper Slope (U)	Slope element adjacent below a crest or flat but not adjacent above a flat or depression.
Mid Slope (M)	Slope element not adjacent below a crest or flat and not adjacent above a flat or depression.
Lower Slope (L)	Slope element not adjacent below a crest or flat but adjacent above a flat or depression.
Flat (F)	planar landform element that is neither a crest nor a depression and is level or very gently inclined (<3% tangent approximately).
Open Depression (vale) (V)	Landform element that stands below all, or almost all, points in the adjacent terrain. A closed depression stands below all such points; an open depression extends at the same elevation, or lower, beyond the locality where it is observed. Many depressions are concave upwards and their margins should be drawn at the limit of observed curvature.
Closed Depression (D)	Landform element that stands below all, or almost all, points in the adjacent terrain. A closed depression stands below all such points; an open depression extends at the same elevation, or lower, beyond the locality where it is observed. Many depressions are concave upwards, and their margins should be drawn at the limit of observed curvature.

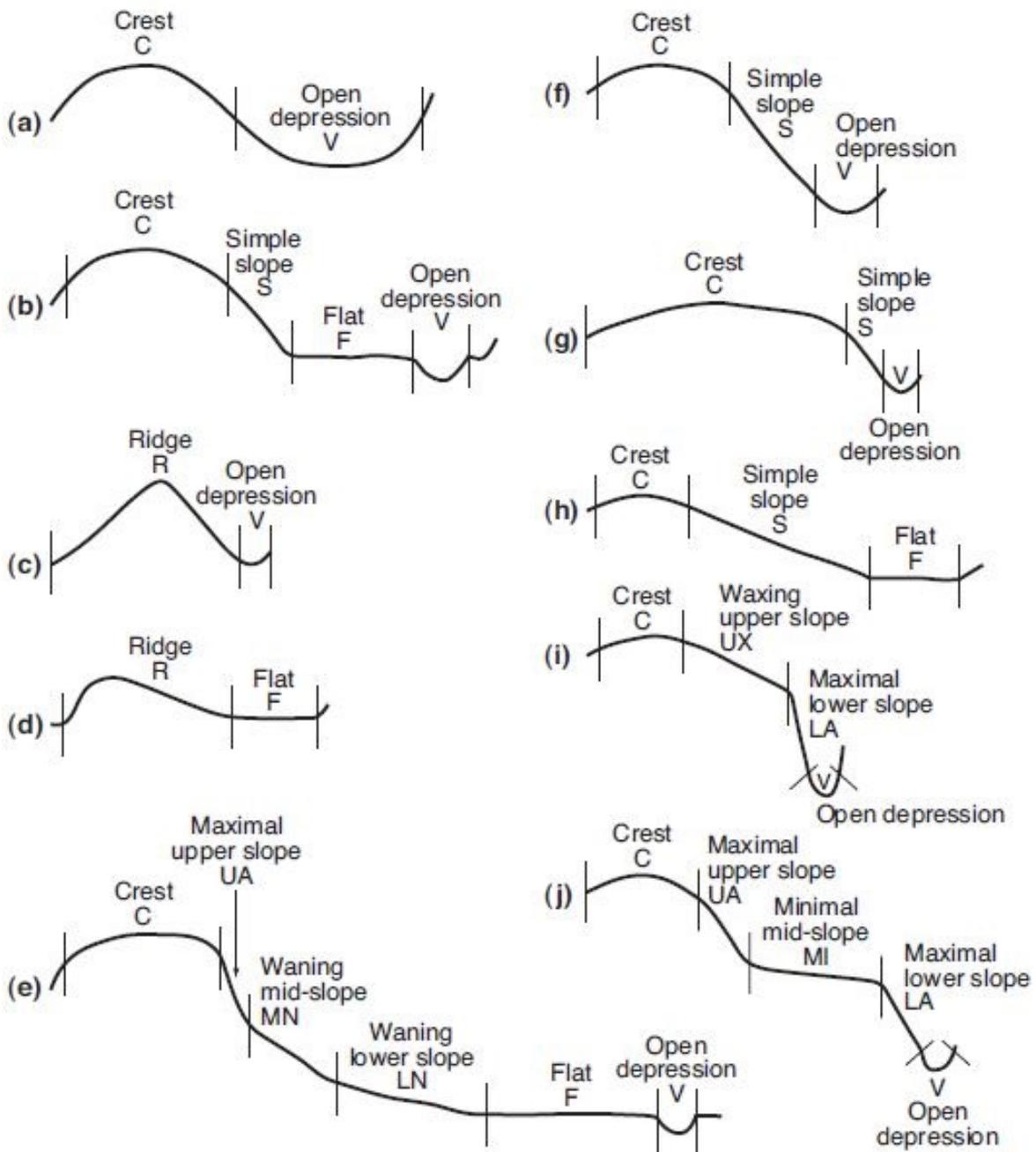


Figure 13 – Landform type

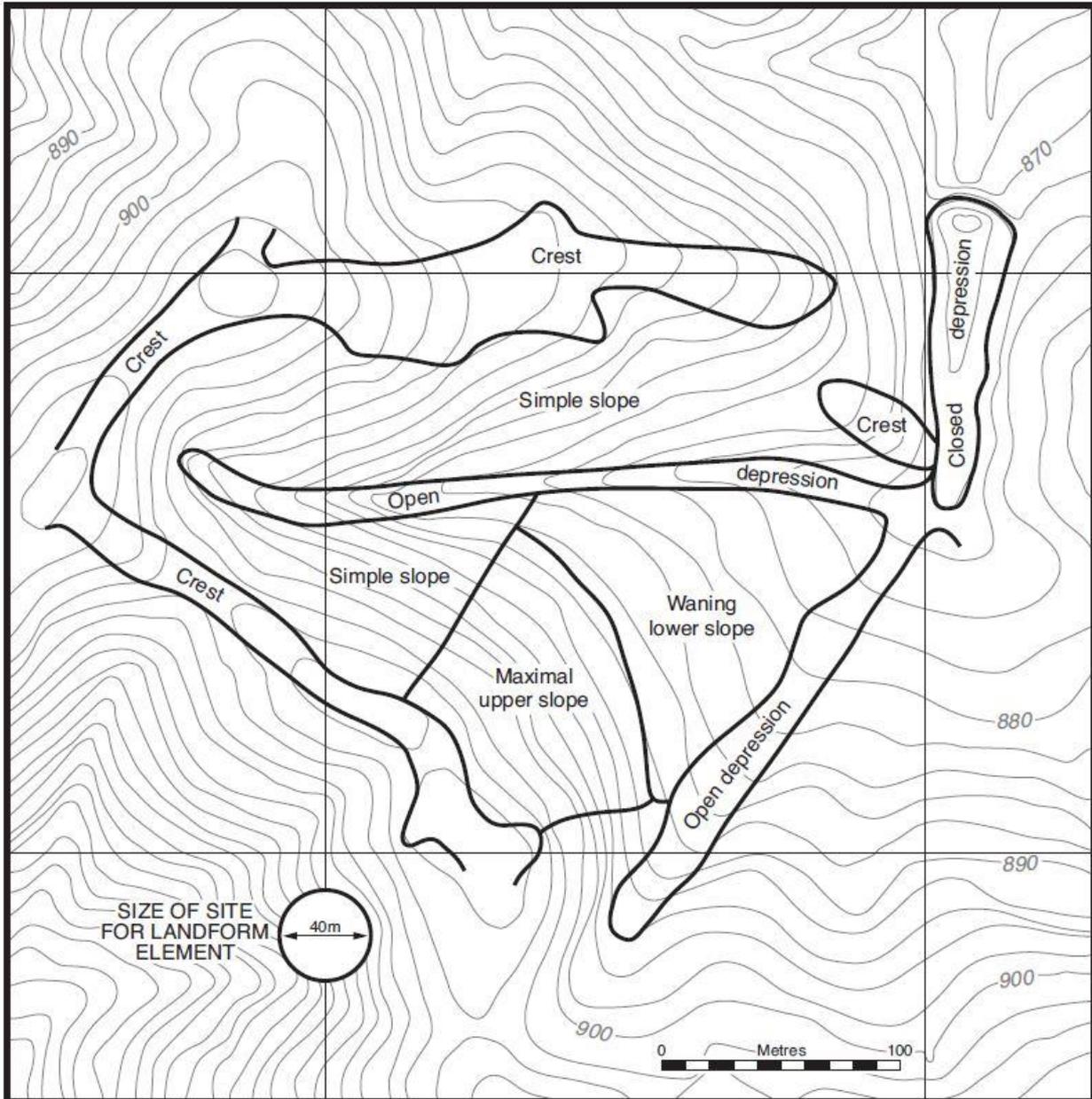


Figure 14 – Landform pattern

3.4.1. Landform Summary

Mosman is located on a sandstone ridge which forms a peninsula between Port Jackson and Middle Harbour. The ridge rises to 80m above sea level. The wider Taronga Zoo is on a ridge which slopes to Port Jackson to the south and west. The topography of the Zoo is heavily modified.

The subject area is upon a crest which slopes to the south and west. The subject area is currently utilised as back of house facilities and is upon substantially modified topography with evidence of cutting and filling, as confirmed by geotechnical investigation.

3.5. ENVIRONMENTAL CONTEXT SUMMARY

The following conclusions can be drawn from the above review of the environmental context:

- The subject area sits upon the Gymea/Lambert soil landscape, which contains mixed sandy soils to a depth of approximately 30-100cm.
- The geotechnical investigation identified no natural soils within boreholes across the subject area. It should be noted that the terminology 'fill' does not always describe imported soils and the source of the fill may need to be further confirmed by geomorphological investigation.
- The subject area is on the Bradley's Head Peninsula in close proximity to Sydney Harbour. Taylors Gully drains into the harbour approximately 400m to the east of the subject area, with Sirius Creek 330m to the north-west and Little Sirius Cove 270m to the west.
- The subject area is upon a crest which slopes to the south and west. The main portions of the subject area, currently utilised as back of house facilities, are upon substantially modified topography with evidence of cutting.

4. HISTORICAL CONTEXT

The following history provides a summary of the Aboriginal and historical land use of the Taronga Zoo area.

4.1. PAST ABORIGINAL LAND USE

The land upon which Taronga Zoo sits is within the traditional lands of the Kammeraeagal (Cammeraigal, Gamaraigal) people, of the Guringai language group. The name ‘*Taronga*’ is reported to be the local Aboriginal word for ‘sea view’ (Watsford, 1920). The Cammeraeagal people were custodians of the land and waterways of Mosman and North Sydney, including Cammeray, Balls Head (*yerroulbine*), Balmoral, Kirribilli and Cremorne (*wulwarrajeung*). The Cammeraeagal people formed part of the Eora tribe. Radiometric dating provides dates of at least 5,800 years ago for sites with the North Sydney (*Cammera*) area (Hoskins, 2019). Early settler accounts of the Cammeraeagal describe them thus:

Those who live on the north shore of Port Jackson are called Cam-mer-raygal, that part of the harbour being distinguished from others by the name of Cam-mer-ray. Of this last family or tribe we have heard Bennillong and other natives speak (before we knew them ourselves) as of a very powerful people, who could oblige them to attend wherever and whenever they directed. We afterwards found them to be by far the most numerous tribe of any within our knowledge. It so happened, that they were also the most robust and muscular” (Collins, 1798).

Primarily a water-based people, the Cammeraeagal lived along the coast and rivers, fishing and hunting in the waters and hinterland areas (AHO, 2006). They subsisted primarily on aquatic resources and the high of middens located around this area attests to the importance of shellfish in the diets of Cammeraeagal people. This would have been supplemented by a variety of seeds, fruits, nuts, rhizome and tubers. The sandstone topography of the area was equally as important – with overhangs and cliffs providing shelters to camp within. Other floral species would have been utilised for medicinal purposes and for the creation of shelters where sandstone overhangs were not present (Currie, 2008).

Archaeologically, over 1,000 sites across the lands of the Cammeraeagal people attest to the extent of occupation and habitation in this area (Hoskins, 1920). Within Taronga Zoo, a number of Aboriginal sites are known to occur, attesting to the use of the area by the Cammeraeagal people. The most common identified site type in the area are shelters with middens, reflective of the coastal environment and subsistence on aquatic life, as well as the importance of sandstone. The sandstone topography of the northern Sydney area did not only provide shelter, but also a place to share stories and ceremonies through art. A Rock Engraving of a whale/fish with a human figure inside identified near Balls Head (*yerroulbine*) upon a sandstone platform was described in the 1990s by a Bundjalung man:

This is a place of learning, a place of ceremonies, a place where the whales were sung in to shore. Whales beaching themselves in the Harbour were a great source of food. The man in the whale is a clever fella. It looks like he’s got a club foot, but that represents the feathers he wore on his feet so he did not make footprints... having no neck he was also the Creator” (Gerry Bostock, 1990, in Hoskins, 1920)

The Cammeraeagal People interacted widely with neighbouring tribes. Inter-marriage between the Cadigal people of Sydney Harbour and the Cammeraeagal people to the north were common and allowed Cammeraeagal women to roam between the two territories even following European settlement. Barangaroo was one such notable Cammeraeagal woman who, prior to European settlement of the north side of the harbour, frequented Sydney Cove and interacted with the Europeans there (Hoskins, 1920). Marriage was not the only unifying ritual for Aboriginal groups around the harbour – they also came together peacefully for feasting on beached whales and tooth evulsion ceremonies, an initiation ceremony for young boys involving the removal of a front tooth (Currie, 2008).

Personal communication with Aboriginal community members has identified that Bradley’s Head, the peninsula upon which Taronga Zoo is situated, played a significant role in the marriage rituals of young Cammeraeagal women. Women would camp on the peninsula before embarking across the water to partake in marriage ceremonies around present-day Randwick. The whole of the Taronga Zoo area is significant to local Aboriginal people and has both intangible and tangible cultural heritage values for the way in which the land was utilised by Aboriginal people prior to and following European Settlement (Personal comm. Dennis Foley, 2021).

The impacts of colonisation were devastating for all Aboriginal people, but particularly for those groups living around the coast. With colonisation, Aboriginal people were forced away from their lands and the resources they relied upon. Settlement around the coast drove faunal resources further inland, reducing the traditional hunting grounds of local Aboriginal groups (Evidence, 1835). Further to this, diseases including smallpox and conflicts between local Aboriginals and colonisers decimated their population. Some estimations identify that only 10% of the Cammeraigal population survived smallpox pandemics in the first 10 years following European settlement (University of Sydney, 2019). The smallpox epidemic changed much about Aboriginal life, including burial practices. Following the onset of smallpox within Cammeraigal communities, funerary rites changed from the burial of the dead to cremation, to prevent the spread of disease. Some sources identify that the last surviving Cammeraigal man was named Tarpot and lived in a cave near the barn at the head of Mosman Bay and survived to at least 1888 (Currie, 2008).

The Taronga Conservation Society Australia has made a concerted effort over the past many decades to acknowledge and pay respect to the traditional Aboriginal owners of the land on which they operate. The Taronga Zoo website includes a description of the Aboriginal history of the site and provides in depth information regarding Cammeraigal people (Taronga Conservation Society Australia, 2020). As they acknowledge, *“Cammeriagal were governed by and belonged to the land and all that it held, above and beneath the sandstone. Cammeraigal people have lived in this area for thousands of years and continue to live nearby”* (TCSA, 2020).

4.2. EUROPEAN HISTORY

This history is summarised from the Historical Archaeological Assessment prepared by Urbis in 2021 for the subject area.

Taronga Zoo is located within the County of Cumberland, Parish of Willoughby. In 1837 a stone house known as ‘Athol’ was erected to the south of the subject area. This was later developed as a leisure destination with a hotel and pleasure garden. A Parish Map dating to c.1850s show that the subject area had by this time been incorporated within a land parcel granted in four allotments to Charles Jenkins and J. Holt. There is no evidence of structures being erected within the subject area in association with this period.

In 1879, a quarantine station for imported stock occupied a portion of the land to the south. By 1891 two stations were operational within the vicinity of the subject area; one near ‘Athol’ and another on the corner of Whiting Beach and Bradley’s Head Road. A freight tramline was established from Athol Wharf to the stations, which was utilised during zoo construction (GML, 2001).

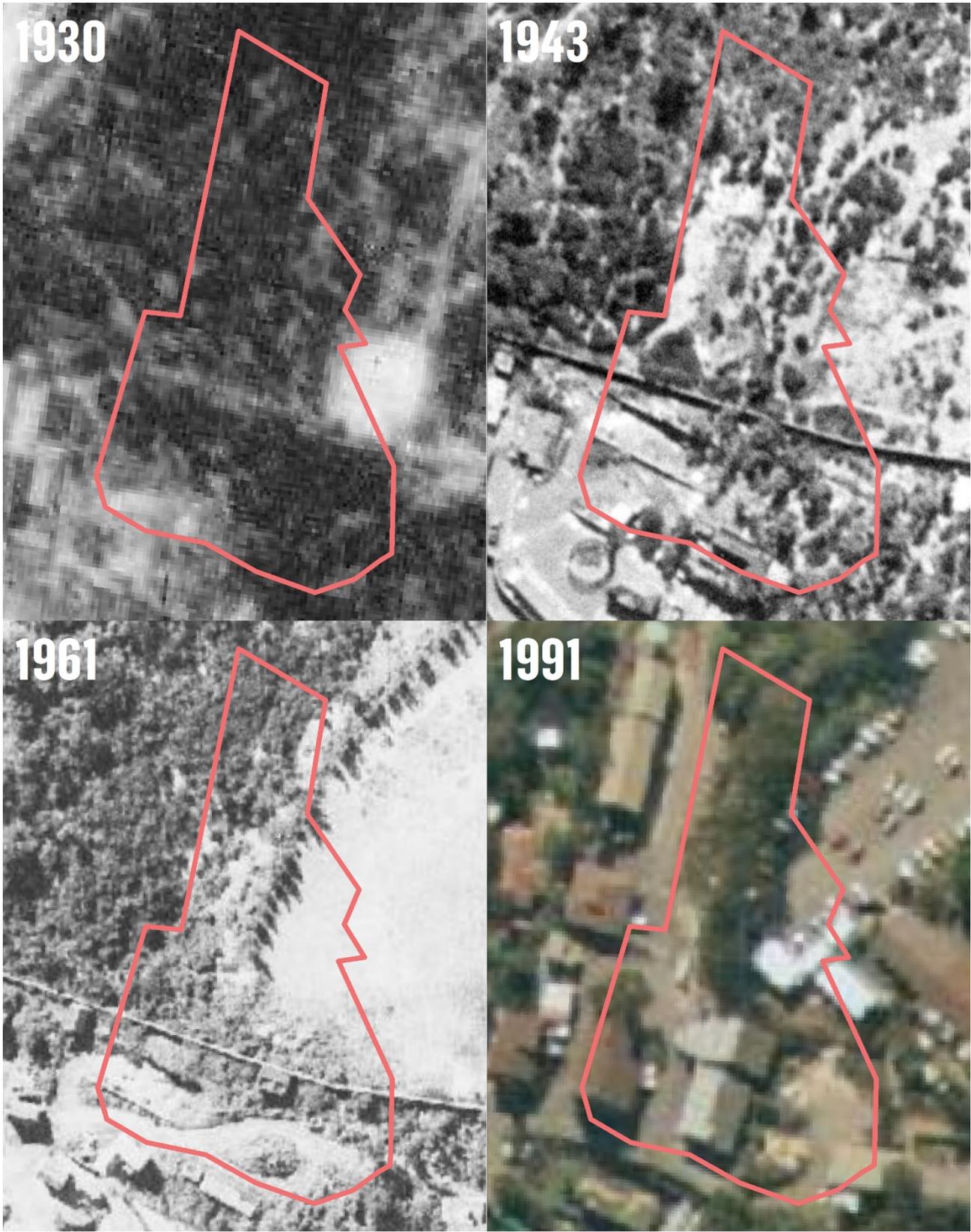
In the 1890s, large portions of the land surrounding Sydney Harbour were resumed for Military Purposes including Bradley’s Head and the animal quarantine facilities which operated upon it. There is no evidence which suggests that any structures were established within the subject area in association with this period. Following federation in 1901, the Military Reserves were given to the Commonwealth. In 1908, Ashton Park, comprising 142 acres of public park land, was gazetted.

By 1916 when the Zoo was opened, the subject area was undeveloped. The northern portion of the subject area was located outside the northern boundary of the site at this time and was separated by a boundary wall which transected the site. The wall was constructed in the 1930s as an interwar Depression incentive. A 1969 detail survey of the subject area shows that the site had been almost entirely developed by this date. The Camel enclosure and hospital buildings can be observed within the southern component of the site. The southern component of the subject area contained an incinerator, in the area north of the current Reptile facility which is today occupied by an asphalt carpark.

Year	Observation
1961	The northern component of the subject area remained largely unchanged, with some additional vegetation clearance to the east. Paths have been established to the south, with a small outbuilding constructed on the boundary wall within the Zoo site. The incinerator can be observed to the north of the rounded bird enclosure within the western component of the site. Vegetation clearance can be observed within the subject area, with the Zoo portion of the subject area at this time completely cleared of natural vegetation.
1991	The subject area had undergone significant changes by 1991. The northern component of the subject area had been incorporated within the Zoo site and the boundary wall removed. The sloped and vegetated landscape had been levelled and a number of workshops and storage structures erected. The incinerator had also been removed by this date.

4.4. SUMMARY OF DISTURBANCE

The subject area has been highly disturbed by the existing and historic facilities of Taonga Zoo. Historical plans and elevations show that extensive disturbance including vegetation clearance, excavation and filling was required for the erection of facilities including the incinerator, and the workshops and storage facilities now present. Geotechnical investigation confirms the presence of fill across the majority of the subject area.



GDA 1994 MGA Zone 56



Project No: P0031212

Project Manager: Balazs hansel

Subject Area

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HISTORICAL AERIAL PHOTOGRAPHS
 Taronga Wildlife Hospital – The Nutrition Centre
 Taronga Conservation Society

Figure 16 – Historic aerials

5. PREDICTIVE MODEL

The *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* requires that an appropriate predictive model be used when undertaking an ACHA. A predictive model is used to estimate the nature and distribution of evidence of Aboriginal land use in a subject area. The results produced by a predictive model can be used to identify potential archaeological deposits (PADs).

A predictive model should consider variables that may influence the location, distribution and density of sites, features or artefacts within a subject area. Variables typically relate to the environment and topography, such as soils, landscape features, slope, landform and cultural resources. The following predictions for the subject area have been formulated on the basis of previous assessments, regional models and the AHIMS data provided in Section 2.

There are several site types which are known to occur within New South Wales. These site types and their likelihood to occur within the subject area are evaluated in Table 10 below.

The general process archaeologists employ to determine the likelihood of any particular site type (artefact scatter, shelter, midden etc) to occur within a given subject area requires the synthesises of information for general distribution of archaeological sites within the wider area including:

- Detailed analysis of previous archaeological investigations within the same Region.
- Presence or absence of landscape features that present potential for archaeological resources (human occupation, use) such as raised terraces adjacent to permeant water.
- Analysis of the geology and soil landscape within the subject area which allows for a determination to be made of the type of raw material that would have been available for artefact production (silcrete, tuff, quartz etc) and the potential for the accumulation of archaeological resource within the subject area.
- Investigation of and determination of the level of disturbance/historical land use within the subject area which may impact on or remove entirely any potential archaeological material.

The combination of these would give us an indication of various levels of possibility of finding archaeological resource within a given area. Please refer to Table 9 below for an example of the indicative process of determining the likelihood of a given site occurring within a subject area.

Table 9 – Indicative process of determining the likelihood of a given site occurring within a subject area

Likelihood	Indicative subject area context	Indicative action
High	Low level of disturbance, presence of one or more archaeologically sensitive landforms (raised terrace adjacent to permanent water, sand dunes, rock shelter etc), presence of archaeologically sensitive soil landscape (Tuggerah, Blacktown, South Creek etc), presence of previously recorded archaeological site(s) and/or identification of previously unrecorded archaeological site(s) within the subject area	Detailed archaeological investigation including but not limited to survey, test excavation and potentially (depending on density and/or significance of archaeological deposit) salvage excavation.
Moderate	Moderate level of disturbance, presence of one or more archaeologically sensitive landforms (raised terrace adjacent to permanent water, sand dunes, rock shelter etc), presence of archaeologically sensitive soil landscape (Tuggerah, Blacktown, South Creek etc), presence of previously recorded archaeological site(s) and/or identification of previously unrecorded archaeological site(s) within the subject area	Detailed archaeological investigation including but not limited to survey, test excavation and potentially (depending on density and/or significance of archaeological deposit) salvage excavation.

Likelihood	Indicative subject area context	Indicative action
Low	High level of disturbance, presence of one archaeologically sensitive landform (raised terrace adjacent to permanent water, sand dunes, rock shelter etc), presence of archaeologically sensitive soil landscape (Tuggerah, Blacktown, South Creek etc).	Employ chance finds procedure and works can continue without further archaeological investigation.
Nil	Complete disturbance, complete removal of natural soil landscape, zero archaeologically sensitive landform, geological or soil features. Zero previously recorded archaeological sites.	Employ chance finds procedure and works can continue without further archaeological investigation.

Table 10 – Predictive model

Site Type	Description	Likelihood	Justification
Artefact Scatters	Artefact scatters represent past Aboriginal subsistence and stone knapping activities and include archaeological remains such as stone artefacts and hearths. This site type usually appears as surface scatters of stone artefacts in areas where vegetation is limited, and ground surface visibility increases. Such scatters of artefacts are also often exposed by erosion, agricultural events such as ploughing, and the creation of informal, access tracks and walking paths. These types of sites are often located on dry, relatively flat land along or adjacent to rivers and creeks. Camp sites containing surface or subsurface deposit from repeated or continued occupation are more likely to occur on elevated ground near the most permanent, reliable water sources. Flat, open areas associated with creeks and their resource-rich surrounds would have offered ideal camping areas.	<ul style="list-style-type: none"> Low 	<ul style="list-style-type: none"> In areas of high disturbance where cutting and filling is evident, there is low potential for artefact scatters to occur due to the removal of natural soil profiles and thus accumulated archaeological deposits.
Isolated Finds	Isolated finds represent artefactual material in singular, one-off occurrences. Isolated finds are generally indicative of stone tool production, although can also include contact sites. Isolated finds may represent a single item discard event or be the result of limited stone knapping activity. The presence of such isolated artefacts may indicate the presence of a more extensive, in situ buried archaeological deposit, or a larger deposit obscured by low ground visibility. Isolated artefacts are likely to be located on landforms associated with past Aboriginal activities, such as ridgelines that would have provided ease of movement through the area, and level areas with access to water, particularly creeks and rivers.	<ul style="list-style-type: none"> Low 	<ul style="list-style-type: none"> In areas of high disturbance where cutting and filling is evident, there is low potential for isolated finds to occur due to the removal of natural soil profiles and thus accumulated archaeological deposits.
PAD	Potential Archaeological Deposits (or PADs) are areas where there is no surface expression of stone artefacts, but due to a landscape feature there is a strong likelihood that the area will contain buried deposits of stone artefacts. Landscape features which may feature in PADs include proximity to waterways, particularly terraces and flats near 3rd order streams and above; ridge lines, ridge tops and sand dune systems.	<ul style="list-style-type: none"> Low 	<ul style="list-style-type: none"> In areas of high disturbance where cutting and filling is evident, there is low potential for PADs to occur due to the removal of natural soil profiles and thus accumulated archaeological deposits.

Site Type	Description	Likelihood	Justification
Scarred Trees	Tree bark was utilised by Aboriginal people for various purposes, including the construction of shelters (huts), canoes, paddles, shields, baskets and bowls, fishing lines, cloaks, torches and bedding, as well as being beaten into fibre for string bags or ornaments (sources cited in Attenbrow 2002: 113). The removal of bark exposes the heart wood of the tree, resulting in a scar. Trees may also have been scarred in order to gain access to food resources (e.g. cutting toe-holds so as to climb the tree and catch possums or birds), or to mark locations such as tribal territories. Such scars, when they occur, are typically described as scarred trees. These sites most often occur in areas with mature, remnant native vegetation. The locations of scarred trees often reflect an absence of historical clearance of vegetation rather than the actual pattern of scarred trees. Carved tree designs may indicate totemic affiliation (Attenbrow 2002: 204); they may also have been carved for ceremonial purposes or as grave markers.	<ul style="list-style-type: none"> ▪ Nil 	<ul style="list-style-type: none"> ▪ There is no natural remnant vegetation within the subject area.
Axe Grinding Grooves	Grinding grooves are the physical evidence of tool making or food processing activities undertaken by Aboriginal people. The manual rubbing of stones against other stones creates grooves in the rock; these are usually found on flat areas of abrasive rock such as sandstone. They may be associated with creek beds, or water sources such as rock pools in creek beds and on platforms, as water enables wet grinding to occur.	<ul style="list-style-type: none"> ▪ Nil 	<ul style="list-style-type: none"> ▪ There are no sandstone outcrops within the subject area
Bora/Ceremonial	Aboriginal ceremonial sites are locations that have spiritual or ceremonial values to Aboriginal people. Aboriginal ceremonial sites may comprise natural landforms and, in some cases, will also have archaeological material. Bora grounds are a ceremonial site type, usually consisting of a cleared area around one or more raised earth circles, and often comprised of two circles of different sizes, connected by a pathway, and accompanied by ground drawings or mouldings of people, animals or deities, and geometrically carved designs on the surrounding trees.	<ul style="list-style-type: none"> ▪ Nil 	<ul style="list-style-type: none"> ▪ There are no sandstone outcrops within the subject area
Burial	<p>Aboriginal burial of the dead often took place relatively close to camp site locations. This is due to the fact that most people tended to die in or close to camp (unless killed in warfare or hunting accidents), and it is difficult to move a body long distance.</p> <p>Soft, sandy soils on, or close to, rivers and creeks allowed for easier movement of earth for burial; and burials may also occur within rock shelters or middens. Aboriginal burial sites may be marked by stone cairns, carved trees or a natural landmark. Burial sites may also be identified through historic records or oral histories.</p>	<ul style="list-style-type: none"> ▪ Low 	<ul style="list-style-type: none"> ▪ The subject area is highly disturbed. There is also an absence of suitable landscape features for burial across the subject area. As such, burials are determined to be unlikely.

Site Type	Description	Likelihood	Justification
Contact site	These types of sites are most likely to occur in locations of Aboriginal and settler interaction, such as on the edge of pastoral properties or towns. Artefacts located at such sites may involve the use of introduced materials such as glass or ceramics by Aboriginal people or be sites of Aboriginal occupation in the historical period.	<ul style="list-style-type: none"> ▪ Low 	<ul style="list-style-type: none"> ▪ In areas of high disturbance where cutting and filling is evident, there is low potential for contact sites to occur due to the removal of natural soil profiles and thus accumulated archaeological deposits.
Midden	Midden sites are indicative of Aboriginal habitation, subsistence and resource extraction. Midden sites are expressed through the occurrence of shell deposits of edible shell species often associated with dark, ashy soil and charcoal. Middens often occur in shelters, or in eroded or collapsed sand dunes. Middens occur along the coast or in proximity to waterways, where edible resources were extracted. Midden may represent a single meal or an accumulation over a long period of time involving many different activities. They are also often associated with other artefact types.	<ul style="list-style-type: none"> ▪ Low 	<ul style="list-style-type: none"> ▪ In areas of high disturbance where cutting and filling is evident, there is low potential for middens to occur due to the removal of natural soil profiles and thus accumulated archaeological deposits.
Art	Art sites can occur in the form of rock engravings or pigment on sandstone outcrops or within shelters (discussed below). An engraving is some form of image which has been pecked or carved into a rock surface. Engravings typically vary in size and nature, with small abstract geometric forms as well as anthropomorphic figures and animals also depicted (DECCW, 2010c). In the Sydney region engravings tend to be located on the tops of Hawkesbury Sandstone ridges where vistas occur. Pigment art is the result of the application of material to a stone to leave a distinct impression. Pigment types include ochre, charcoal and pipeclay. Pigment art within the Sydney region is usually located in areas associated with habitation and sustenance.	<ul style="list-style-type: none"> ▪ Nil 	<ul style="list-style-type: none"> ▪ There are no sandstone outcrops within the subject area
Shelters	Shelter sites are places of Aboriginal habitation. They take the form of rock overhangs which provided shelter and safety to Aboriginal people. Suitable overhangs must be large and wide enough to have accommodated people with low flooding risk. Due to the nature of these sites, with generic rock overhangs common particularly in areas with an abundance of sandstone, their use by Aboriginal people is generally confirmed through the correlation of other site types.	<ul style="list-style-type: none"> ▪ Nil 	<ul style="list-style-type: none"> ▪ There are no sandstone outcrops within the subject area

5.1. SUMMARY

The predictive model has been developed on the basis of the regional and local context of the subject area, and the specific environmental and archaeological conditions of the subject area. The predictive model has identified that, resulting from historic disturbance activities and the existing environmental context, there is **low** Aboriginal archaeological potential across the subject area.

6. CONSULTATION PROCESS

The consultation for this project was undertaken in conjunction with consultation for the Wildlife Hospital project, until October 2021 when the projects were separated into two. At the time of the division, consultation had been completed in accordance with the Consultation Guidelines up to Stage 2: Presentation of Information about the Proposed Project and Stage 3: Gathering Information about the Proposed Project of the *Aboriginal Cultural Heritage Consultation Requirements for Proponents* (Consultation Requirements, DECCW:2010), with the Stage 2 and 3 Providing and Gathering Information document provided to Registered Aboriginal Parties (RAPs) on 7th June 2021. The site survey was also undertaken for both sites concurrently, on 6th July 2021. A letter was provided to RAPs on 13th October 2021 to explain the division of the projects into two separate SSDAs and therefore separate ACHAs. This is discussed in Section 6.5 below.

6.1. STAGE 1: NOTIFICATION OF PROJECT PROPOSAL AND REGISTRATION OF INTEREST

6.1.1. Government Organisation Contact

The aim of Stage 1 is to identify, notify and register Aboriginal people who hold cultural knowledge relevant to determining the cultural significance of Aboriginal objects and/or places in the subject area.

A search of the Native Title Tribunal was undertaken on 3rd February 2021. This search identified the subject area as freehold tenure which extinguishes native title.

To identify Aboriginal people who may be interested in registering as Aboriginal parties for the project, the organisations stipulated in Section 4.1.2 of the Consultation Guidelines were contacted (refer to Table 11).

Table 11 – Contacted Organisations

Organisation	Date notification sent	Date Response Received
Office of the Registrar, Aboriginal Land Rights Act 1983	8/02/21	10/02/21
Department of Planning, Industry and Environment, Greater Sydney Branch, Communities and Greater Sydney Division	8/02/21	18/02/21
NTS Corp	8/02/21	N/A
Metropolitan Local Aboriginal Land Council	8/02/21	N/A
Local Land Services, Greater Sydney	8/02/21	N/A
Mosman Council	8/02/21	N/A
National Native Title Tribunal	3/02/21	4/02/21

The template for the emails sent to the above-mentioned organisations is at A total of 42 Aboriginal groups and individuals with an interest in the subject area were identified following this stage. These groups were contacted, with further information presented at Section 6.1.2 below.

6.1.2. Registration of Interest

In accordance with Section 4.1.3 of the Consultation Guidelines, letters were sent to the 43 Aboriginal groups and individuals on 22nd February 2021 via email or post (depending on the method identified by each group), to notify them of the proposed project. A total of 44 were sent via email, with 3 sent by express post. The letters afforded a response time of over 14 days, being 10th March 2020, in accordance with the 14-day minimum requirement. The letter template is shown at Appendix B and includes a brief introduction to the project and the project location.

A total of 12 groups registered interested in the project as a result of this phase within the nominated timeframe (refer Table 12).

Table 12 – Stage 1 consultation – registration of interest

Organisation / Individual	Contact Person
Metropolitan Local Aboriginal Land Council (MLALC)	Selina Timothy
A1 Indigenous Services (A1)	Carolyn Hickey
Kamilaroi Yankuntjatjara Working Group	Phil Khan
Didge Ngunawal Clan	Lillie Carroll and Paul Boyd
Ginninderra Aboriginal Corporation (GAC)	Steven Johnson and Krystle Carroll
Wailwan Aboriginal Group (WAG)	Philip Boney
Ngambaa Cultural Connections (NCC)	Kaarina Slater
-	Dennis Foley
Butucarbin Aboriginal Coproration (BAC)	Jennifer Beale
MurraBidgeeMullangari	Ryan johnson
Gulaga	Wendy Smith
Goobah	Basil Smith
Total	12

6.1.3. Public Notice

In accordance with Section 4.1.3 of the Consultation Guidelines, Urbis sought to publish an advertisement in one local newspapers. However, due to the Coronavirus pandemic which had dramatic impacts on early 2020, public newspapers were no longer publishing at this time. As a result a public notice was place in the KooriMail, which was identified as the most appropriate alternative.

The notice was published on the 24th February 2021, and registration remained open until 10th March 2021, providing 14 days to register an interest in accordance with the Consultation Requirements. A copy of the advertisement is included at Appendix B.

0 responses to the newspaper advertisement were received.

The list of Registered Aboriginal Parties (RAPs) was provided to DPC and the Metropolitan Local Aboriginal Land Council on the 24th May 2021 (see Appendix B).

6.2. STAGE 2: PRESENTATION OF INFORMATION ABOUT THE PROJECT

The aim of Stage 2 is to provide registered Aboriginal parties with information about the scope of the proposed project, and the proposed cultural heritage assessment process. A Stage 2 Information Pack which included a brief introduction to the project, the project location, and AHIMS search result to provide understanding of the registered cultural sites in the local area, was sent to registered Aboriginal parties via

email on the 7th June 2021. Request for response to the Stage 2/3 Information Packet was set to 5th July 2021.

The Information Pack was prepared as a combination of Stage 2 and 3 of the Consultation Guidelines, and included the following information:

- Project overview, location and purpose.
- Proposed works.
- Brief environmental and historical background.
- Notification of the site inspection.
- Protocol of gathering information on cultural heritage significance.
- Request for comment on methodology and recommendations for site investigation, and request for any cultural information the respondent wished to share.

The letter is included at Appendix B of this report.

6.3. STAGE 3: GATHERING INFORMATION ABOUT THE PROPOSED PROJECT

Stage 3 is concerned with gathering feedback on a project, proposed methodologies, and obtaining any cultural information that registered Aboriginal parties wish to share. This may include ethno-historical information, or identification of significant sites or places in the local area. Two responses were received to the Stage 2 and 3 Information Pack.

These responses are included in Appendix B and addressed in Table 13 below.

Table 13 – Response to Stage 2 and 3 documents

RAP	Response	Urbis Response
Wendy Smith, Gulaga	<i>Received, thank you.</i>	<p>We acknowledge your response and thank you for your time in reviewing the Stage 2 and 3 document.</p> <p>We will keep all RAPs informed of the progress of the project</p>
Kadibulla Khan, KYWG	<p><i>Thank you for your ACHA regarding Taronga Zoo, Aboriginal people have walked this land for tens of thousands of years and continue to do so. We have a spiritual connection to the land, sky and water ways along with the flora and furan. We care for the land and all that she holds, giving back to mother earth as she provides for us, we follow the water ways and are guided by the sky. Water ways are highly important to Aboriginal people, they provide us with fresh water, food, we birthed in the water ways and we hunted and gathered near by these water ways.</i></p> <p><i>The study area is significant to us Aboriginal people and for this reason we would like to agree to your recommendations of excavating in the area under the large fallen bolder, this area has possible undisturbed soils and should be further investigated.</i></p> <p><i>It is important to promote Aboriginal culture and highlight cultural aspects most defiantly in this case as it is a place of education and has visitors from all over the world. Interpretation can be achieved in the form of art, native gardens, digital displays etc. please do not hesitate in contacting us about interpretation. We are happy with the proposed works of the site and the interpretation plans.</i></p> <p><i>We agree to your recommendations and support your report. We look forward to working alongside you on this project.</i></p>	<p>Urbis acknowledge the long and vibrant history of Aboriginal people in Australia and their care for the land. We acknowledge the significance of waterways and the environment. We pay our respects to Elders past, present and emerging. We acknowledge the cultural significance of the land and its resources.</p> <p>We acknowledge your comments regarding the cultural significance of the subject area, and the resources it would have provided historically. We note that the comments regarding the boulder apply to the RACC site and are not relevant for this project.</p> <p>Regarding interpretation, the proposed development will include interpretation, the details of which will be finalised throughout the process of the design development. This will be subject to a detailed interpretation strategy to be developed in conjunction with the TAAG.</p> <p>We thank you for your time in reviewing the Stage 2 and 3 document and for your support.</p>

6.4. SITE INSPECTION

Two site inspections were undertaken for this project. The first was a preliminary site inspection with Dennis Foley, on 23rd February 2021. This was a preliminary site inspection to discuss the site and the project and provide the opportunity for comments regarding cultural heritage to be heard and received.

The second site inspection was provided for open to all RAPs on the 6th July 2021. Communication was initiated on 1st July and request was sent for providing all necessary documentation and information to the Proponent by the end of 5th July 2021 with the 6th July was nominated for the site visit. Due to the Covid-19 lockdown of Sydney at the time and restrictions associated with this, the site visit was undertaken with 1 RAP at a time accompanied by 1 Urbis archaeologist and the Proponent. 4 RAPs confirmed attendance and were scheduled in one-hour blocks from 10am-2pm. 3 RAPs were able to attend with the fourth (Lowanna Gibson, Butucarbin Aboriginal Corporation) being unwell on the day and therefore unable to attend.

Table 14 below identifies the site visit attendees. An in-depth overview of the site visit is included in Section 7. This overview was also sent to all RAPs due to the circumstances with an invitation to provide final comment. This is included in Appendix B. One response to this letter was received (from KYWG) and identified support of the recommendations, and is included in Section Appendix B.

Table 14 – Stage 3 Site visit – Attendees

Organisation	Attendee
Kamilaroi Yankuntjatjara Working Group.	Kadibulla Khan
MurraBidgeeMullangari	Kody Mcutchen King
Didge Ngunawal Clan	Joleen Smith

6.5. PROJECT UPDATE

In October 2021 the project was divided from one site comprising the TWH Nutrition Centre and Wildlife Hospital, to two separate sites. As consultation to this point had discussed the site as a whole, a letter was provided to RAPs on October 13th 2021 providing the details of the division of the project, with a two week comment period to close on the 29th October 2021.

The letter outlined the project history to date; preliminary findings of the desktop assessment, site survey and consultation; preliminary conclusions of the assessments; and the broad timeframe for the development of each project.

Additional phone calls were made to all RAPs who had not yet provided response on the 22nd and 25th of October to discuss these changes and ensure all RAPs were updated on the project developments and all questions answered. Phone calls are included in the Consultation Log included in Appendix C. Contact was made with Dennis Foley, A1 Indigenous Services, Ngambaa Cultural Connections, KYWG and Butucarbin, and a further two responses were received by Gulaga and DNC via email in response to the project update. Comments received were generally supportive of the division into two projects and no comments were received in opposition to this approach.

The letter and provided responses are included in Appendix B.

6.6. STAGE 4: REVIEW OF DRAFT ACHA REPORT

The aim of Stage 4 is to prepare and finalise an ACHAR with input from registered Aboriginal Parties.

This Draft ACHAR will be provided to all groups who registered, and a minimum 28 days is stipulated for receiving submissions. It is noted that the time allowed for comment should reflect the size and complexity of the project. Submissions may be made in writing, or verbally, and are to be included in the final ACHAR. Responses from the Proponent are also required to be included in a final ACHAR in Appendix B.

Following inclusion of comments from the Aboriginal Parties, the final ACHAR is to be provided to DPC, in conjunction with an AHIP application as required.

A Stage 4 Draft ACHAR was sent to registered Aboriginal parties via email on the 2nd November 2021. Request for response to the Stage 4 Draft ACHAR was set to 29th November 2021.

Table 15 – RAP feedback and Urbis reply during Stage 4 Draft ACHAR review.

RAP	Comment	Urbis Response
<p>Kadibulla Khan, Kamilaroi Yankuntjatjara Working Group</p>	<p>Thank you for your draft ACHA for Taronga Wildlife Hospital Sydney. Aboriginal people have walked this land for tens of thousands of years and continue to do so, whilst managing and caring for country. We hold a deep connection to the land water, sky, and fire. We have passed on our knowledge from generation to generation through word of mouth, this continues to happen today. We look to the sky for guidance and follow the water ways and apply our knowledge to the land our mother as she provides to us many resources that we always give back to her in many ways. We have a belief system of kinship and followed lore, we also have a spiritual connection to the land and all that surrounds it. There are burials that we are not aware of the location of due to colonisation and disposition of the land we must be mindful of these when excavating the land.</p> <p>We KYWG would like to agree to your recommendations, and we support you ACHA. We look forward to further consultation and working alongside you on this project.</p>	<p>Urbis acknowledge the knowledge and expertise of KYWG and thank them for sharing this through active participation in the ACHA process. We acknowledge and appreciate the connection between KYWG (and Aboriginal people more broadly) and Country.</p> <p>We thank you for your time in reviewing the ACHA, and for your support and your contribution to this project.</p>

7. SITE SURVEY

7.1. PRELIMINARY SITE SURVEY

A preliminary site survey was undertaken on 23rd February 2021, with Dennis Foley from the Taronga Zoo Aboriginal Advisory Group, Taronga Zoo representatives and two Urbis archaeologists, Balazs Hansel and Meggan Walker.

The survey was preliminary and intended to gain relevant project and cultural information regarding the subject site. The meeting involved discussion regarding the site and a preliminary inspection. The survey confirmed low ground surface visibility across the site owing to coverage by existing back of house facilities, and hardstand.

During the site visit, Dennis identified that the whole of Taronga Zoo grounds and the wider Bradley's Head has intangible cultural heritage value, which should be acknowledged and respected. Dennis requested that geotechnical investigation results should be analysed for evidence of shell or charcoal.



Figure 17 – View of elevation difference between current subject area and below Serpentaria. Note the subject area slopes further to the north due to modification of natural terrain including mounding. Service pits are visible.

Source: Urbis, 2021



Figure 18 – Low visibility due to back of house facilities including asphalt coverage.

Source: Urbis, 2021

7.2. STAGE 2 AND STAGE 3 SITE SURVEY

The site survey involved an overview of the project location and proposed works, followed by a walk over of the subject area and a discussion of the site conditions. The site surveys were conducted individually in 1 hour (maximum) blocks due to Covid-19 protocols and requirements.

In general, the site visit was restricted to pathways to avoid risk from animal enclosures.

The site visit concluded that the subject area is highly disturbed resulting from historical activities including construction, demolition and mounding to create artificial landscaping. Due to the modified terrain and the absence of differential landscape, the subject area was not divided into Survey Units. The whole subject area is therefore described as Survey Unit 1.

Survey Unit (SU) 1 is towards the north-west of the site and comprised existing back of house facilities. SU1 is located on the top of the slope with a highly modified landscape. In general, it was concluded that the area is highly disturbed, with land modification evident through the construction of buildings, as well as services and disturbance through the impact of previous facilities including the incinerator known to have existed on the site. The entirety of this area was covered by buildings or asphalt and as such no in-depth survey of the ground surface was possible, with Ground Surface Visibility (GSV) was 0%.

The site visit and assessment concluded that SU1 is likely highly disturbed and contaminated, with no further works determined to be necessary in this area. This conclusion was broadly supported by RAPs on site. One group (Kamilaroi Yankuntjatjara Working Group) did express a desire for monitoring to occur as a last resort in this area. This is not considered necessary due to the high disturbance, but will be discussed with the TCSA further throughout the process. Test excavation was not deemed necessary due to the high potential of contaminants and the low potential for Aboriginal archaeological resources to occur.

There are therefore no further Aboriginal archaeological works proposed for SU1 at this stage, and works can proceed as required.



Figure 19 –General view, back of house area, with services evident. Aspect: north.



Figure 20 – Building cut into modified landscape. Aspect: south.



Figure 21 – Back of house facility. Aspect: east.



Figure 22 – Back of house facility. Aspect: south.

7.2.1. Survey Data

The data from the field survey is included in Table 16 and Table 17 below.

Table 16 – Survey coverage

Survey Unit	Landform	Unit Area (sqm)	Visibility %	Exposure %	Effective Coverage Area (sqm)	Effective Coverage %
1	Modified terrain	4287	0	0	0m ²	0%

Table 17 – Landform summary

Landform	Landform Area	Area effectively surveyed	% of landform effectively surveyed	Number of sites	Number of artefacts/features
Modified terrain	4827	0	0%	0	0

7.3. SURVEY SUMMARY

The surveys of the subject area identified the following:

- No areas of remnant vegetation or undisturbed earth were noted during the site survey. GSV was low due to full coverage from extant buildings and hardstand.
- A number of service lines were visible during the survey and identified through markings. This has likely caused considerable disturbance in these areas.
- Extant buildings demonstrate high levels of disturbance and landform modification, with buildings constructed into artificial slopes.
- The subject area was determined to be highly disturbed, with RAPs confirming that the likelihood of objects or intangible cultural heritage values was low. No further archaeological investigation is deemed necessary.

8. CULTURAL HERITAGE VALUES AND STATEMENT OF SIGNIFICANCE

8.1. METHODS OF ASSESSING HERITAGE SIGNIFICANCE

Heritage significance is assessed by considering each cultural, or archaeological site, against the significance criteria set out in the Assessment Guidelines. In all cases, the assessment of significance detailed below is informed by the Aboriginal community, which is documented in this report. If any culturally sensitive values were identified they would not be specifically included in the report, or made publicly available, but would be documented and lodged with the knowledge holder providing the information.

8.2. ASSESSMENT FRAMEWORK

The Burra Charter (Australia ICOMOS 1999) defines the basic principles and procedure to be observed in the conservation of important places. It provided the primary framework within which decisions about the management of heritage sites should be made. The Burra Charter defines cultural significance as being derived from the values listed below.

8.2.1. Social or cultural value

Social or cultural value refers to the spiritual, traditional, historical or contemporary associations and attachments the place or area has for Aboriginal people. Social or cultural values is how people express their connection with a place and the meaning that place has for them.

Places of social or cultural value have associations with contemporary community identity. These places can have associations with tragic or warmly remembered experiences, periods, or events. Communities can experience a sense of loss should a place of social or cultural value be damaged or destroyed.

There is not always a consensus about a place's social or cultural value. When identifying values, it is not necessary to agree with or acknowledge the validity of each other's values, but it is necessary to document the range of values identified.

Social or cultural values can only be identified through consultation with Aboriginal people. This could involve a range of methodologies, such as cultural mapping, oral histories, archival documentation and specific information provided by Aboriginal people specifically for the investigation.

When recording oral history:

- Identify who was interviewed and why.
- Document the time, place and date the interview was conducted.
- Describe the interview arrangements (the number of people present, recording arrangements, information access arrangements).
- Provide a summary of the information provided to the person being interviewed.
- Summarise the information provided by each person interviewed.

More information on conducting oral history projects can be found in OEH's publication *Talking history: oral history guidelines*.

Occasionally information about social value may not be forthcoming. In these circumstances, document the consultation process but make it clear in the discussions and conclusions about social value that this was the case.

8.2.2. Historic value

Historic value refers to the associations of a place with a historically important person, event, phase or activity in an Aboriginal community. Historic places do not always have physical evidence of their historical importance (such as structures, planted vegetation or landscape modifications). They may have 'shared' historic values with other (non-Aboriginal) communities.

Places of post-contact Aboriginal history have generally been poorly recognised in investigations of Aboriginal heritage. Consequently, the Aboriginal involvement and contribution to important regional historical themes is often missing from accepted historical narratives. This means it is often necessary to collect oral histories along with archival or documentary research to gain a sufficient understanding of historic values.

8.2.3. Scientific (Archaeological) value

This refers to the importance of a landscape, area, place or object because of its rarity, representativeness and the extent to which may contribute to further understanding and information (Australian ICOMOS 1988).

Information about scientific values will be gathered through any archaeological investigation undertaken. Archaeological investigations must be carried out according to OEH's *Code of practice for archaeological investigation of Aboriginal objects in NSW*.

Scientific significance, also referred to as archaeological significance, is determined by assessing an Aboriginal heritage site or area according to archaeological criteria. The assessment of archaeological significance is used to develop appropriate heritage management and impact mitigation strategies.

Criteria for archaeological significance have been developed in accordance DPC guidelines, as shown in, Table 18 below.

Table 18 – Scientific (archaeological) significance criteria

Significance Criteria	Description
Research Potential	Does the evidence suggest any potential to contribute to an understanding of the area and/or region and/or state's natural and cultural history?
Representativeness	How much variability (outside and/or inside the subject area) exists, what is already conserved, how much connectivity is there?
Rarity	Is the subject area important in demonstrating a distinctive way of life, custom, process, land-use, function or design no longer practised? Is it in danger of being lost or of exceptional interest?
Education Potential	Does the subject area contain teaching sites or sites that might have teaching potential?
Condition	What is the condition of the site? Does it appear to have been impacted/altered?

8.2.4. Aesthetic value

This refers to sensory, scenic, architectural, and creative aspects of the place. It is often closely linked with the social values. It may consider form, scale, colour, texture and material of the fabric or landscape, and the smell and sounds associated with the place and its use (Australian ICOMOS 1988).

8.3. IDENTIFYING VALUES

The information collected in the background review of the project can be used to help identify these values. The review of background information and information gained through consultation with Aboriginal people should provide insight into past events. These include how the landscape was used and why any identified Aboriginal objects are in this location, along with contemporary uses of the land.

Information gaps are not uncommon and should be acknowledged. They may require further investigation to adequately identify the values present across the subject area. It may be helpful to prepare a preliminary values map that identifies, to the extent of information available, the:

- Known places of social, spiritual, cultural value, including natural resources of significance.
- Known historic places.
- Known Aboriginal objects and/or declared Aboriginal places.

- Potential places/areas of social, spiritual, cultural value, including natural resources, historic or archaeological significance.

Places of potential value that are not fully identified or defined should be included as 'sensitive' areas to target further investigation.

8.4. ASSESSING VALUES AND SIGNIFICANCE

This stage is used to assess and discuss the cultural significance of the values identified during the identification and assessment of cultural significance by consulting Aboriginal people and to prepare a statement of significance. The assessment of values is a discussion of what is significant and why. An assessment of values is more than simply restating the evidence collected during the background review and identification of values stages of the project. Rather, the assessment should lead to a statement of significance that sets out a succinct summary of the salient values that have been identified.

The assessment and justification in the statement of significance must discuss whether any value meets the following criteria (NSW Heritage Office 2001):

- Does the subject area have a strong or special association with a particular community or cultural group for social, cultural or spiritual reasons? – social value.
- Is the subject area important to the cultural or natural history of the local area and/or region and/or state? – historic value.
- Does the subject area have potential to yield information that will contribute to an understanding of the cultural or natural history of the local area and/or region and/or state? – scientific (archaeological) value.
- Is the subject area important in demonstrating aesthetic characteristics in the local area and/or region and/or state? – aesthetic value.

Assessment of each of the criteria (above) should be graded in terms that allow the significance to be described and compared; for example, as high, moderate, or low. In applying these criteria, consideration should be given to:

- Research potential: does the evidence suggest any potential to contribute to an understanding of the area and/or region and/or state's natural and cultural history?
- Representativeness: how much variability (outside and/or inside the subject area) exists, what is already conserved, how much connectivity is there?
- Rarity: is the subject area important in demonstrating a distinctive way of life, custom, process, land-use, function or design no longer practised? Is it in danger of being lost or of exceptional interest?
- Education potential: does the subject area contain teaching sites or sites that might have teaching potential?

Then discuss what is significance and why – this should be summarised into a statement of significance.

Thus, the statement of significance is a succinct summary of the salient values drawn from the identification of values.

8.4.1. Assessment of Cultural Heritage Significance and Values

An assessment of cultural heritage significance and values incorporates a range of values which may vary for different individual groups and may relate to both the natural and cultural characteristics of places or sites. Cultural significance and Aboriginal cultural views can only be determined by the Aboriginal community using their own knowledge of the area and any sites present, and their own value system. All Aboriginal heritage evidence tends to have some contemporary significance to Aboriginal people, because it represents an important tangible link to their past and to the landscape.

Consultation with members of the local Aboriginal community (project RAPs) was undertaken to identify the level of spiritual/cultural significance of the subject area and its components. In acknowledgment that the Aboriginal community themselves are in the best position to identify levels of cultural significance, the project RAPs were invited to provide comment and input into this ACHAR and to the assessment of cultural heritage significance and values presented therein.

Comments received from the representatives of the project RAPs indicate that the wider Taronga Zoo site has high cultural significance associated with the use of the site by Aboriginal people (Dennis Foley, Pers. Comm.). Comments have also highlighted the subject area as culturally significant as an area where resources previously would have been abundant including flora and fauna, and waterways. The subject area is suggested to have been used for “*hunting, gathering and ceremonial practices*” (KYWG, Pers. Comm.). Comments received during the site surveys have confirmed that the area is highly disturbed and it is unlikely that culturally significant materials would be identified. Broadly it was determined that the cultural significance of the wider site should be acknowledged through interpretation.

No additional comments regarding cultural significance were identified during the Stage 4 Draft ACHA review process.

8.4.2. Assessment of Scientific (Archaeological) Significance

In accordance with the *Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW*, and in consultation with representatives of the local Aboriginal community, the following assessment of the scientific (archaeological) significance of identified sites within the subject area has been prepared.

Due to the high level of disturbance across the back of house area and the existing reptile house facilities, there is **low** archaeological potential within these areas and therefore low archaeological (scientific) potential across the subject area. Disturbance has likely completely removed the natural soil profile and therefore it is unlikely that Aboriginal archaeological resources which may have been deposited would be retained across the subject area.

8.5. ASSESSMENT OF VALUES AND SIGNIFICANCE

This section provides a tabulated summary of the values and significance present at the subject area.

Table 19 – Assessment of values and significance

Criteria	Assessment
Social or Cultural value	Cultural value has been discussed extensively in Section 8.4.1. In general it has been identified that the wider Taronga Zoo site does hold cultural significance. Interpretation strategies are proposed to acknowledge this significance.
Historic Value	No historic value has been identified at the subject area. Potential historic archaeological value has been discussed in the Historical Archaeological Assessment prepared by Urbis (2021). There is no evidence to suggest that contact archaeological sites may occur at the subject area.
Scientific (archaeological) value	the subject area is determined to have generally low archaeological (scientific) potential due to high levels of disturbance which are anticipated to have entirely removed the natural soil profile and any associated Aboriginal archaeological deposits.
Aesthetic value	There are no identified aesthetic values at the subject area, and no aesthetic values have been identified by the RAPs during consultation.

9. IMPACT ASSESSMENT

9.1. POTENTIAL HARM

This section identifies the potential impacts to cultural heritage arising from the proposal, including demolition, excavation, and construction phases. Harm can be direct or indirect, defined by the Assessment Guidelines as:

- Direct harm – may occur as the result of any activity which disturbs the ground including, but not limited to, site preparation activities, installation of services and infrastructure, roadworks, excavation, flood mitigation measures.
- Indirect harm – may affect sites or features located immediately beyond or within the area of the proposed activity. Examples include, but are not limited to, increased impact on art in a shelter from increased visitation, destruction from increased erosion and changes in access to wild food resources.

This ACHA has concluded that there is generally low archaeological potential for subsurface Aboriginal archaeological deposits across the majority of the subject area, due to high levels of disturbance associated with existing back of house facilities.

9.2. LIKELY IMPACTED VALUES

As no scientific (archaeological) values are anticipated across the majority of the subject area, there is no direct or indirect harm to scientific values.

While some intangible cultural value has been identified associated with the broader Taronga Zoo site, no specific comments associated with the current subject area have been raised and it is therefore considered unlikely that intangible cultural heritage values would be directly or indirectly harmed as a result of the proposed works.

No additional comments regarding cultural significance were identified during the Stage 4 Draft ACHA review process.

9.3. JUSTIFICATION

The subject area has previously experienced extensive disturbance associated with the installation and removal of previous and current zoo exhibits and back of house facilities. This disturbance has completely removed the natural soil profile within the majority of the subject area, reducing the potential for archaeological resources to occur.

The Proponent is aware of the cultural importance of the subject area and will continue to consult with RAPs throughout the duration of the project to ensure this is the case and that cultural heritage values are interpreted and conserved properly. The Proponent is committed to achieving the best outcome for the Cultural Heritage of the Taronga Zoo and Mosman area, and has proposed a strategy within the design to address the requirements of the Draft Connecting with Country Framework produced by the Government Architects Office. This will involve the retention of the existing vegetation including non-remnant eucalypt trees to the east of the subject site, to create a landscape habitat area that will reinforce the ethos of the project through providing areas of respite which connect to the natural environment. The design of these areas is to be resolved in the detailed design phase through consultation with the TAAG and RAPs.

10. AVOIDING AND MINIMISING HARM

This ACHA has been prepared as a first step towards identifying the potential for Aboriginal objects or cultural heritage values to occur and minimising harm to those objects and values.

This ACHA has concluded that there is low potential for Aboriginal objects to have survived within the majority of the subject area. Consequently, it is highly unlikely that the proposed development will harm Aboriginal objects or archaeological resources.

Urbis have proposed mitigation measures to avoid harm through construction. These recommendations are detailed in Section 11. The Proponent is also investigating options to incorporate Country and traditional understandings of wellness and nutrition into the design, through the establishment of respite areas within natural landscaped areas. This is subject to detailed design, to be resolved with the project team, RAPs and members of the TAAG.

Should Aboriginal objects be identified, management of the objects will be through the establishment of a Car & Control agreement with the TAAG, and will include the establishment of a keeping place on site.

11. CONCLUSIONS AND RECOMMENDATIONS

The ACHAR concluded that:

- No Aboriginal objects and/or places are registered on AHIMS within the subject area or within proximity.
- The subject area is within management zones 4 (Areas heavily modified by European Development) and 5 (areas which have previously been excavated down to bedrock, or culturally sterile soils) on the GML 2004 AMP for the wider Taronga Zoo. There is nil-low Aboriginal archaeological potential associated with these zones.
- The subject area sits upon the Gymea/Lambert soil landscape, which contains mixed sandy soils to a depth of approximately 30-100cm. However, the geotechnical investigation identified no natural soils within boreholes across the subject area and the site survey and historical research confirmed significant disturbance through historical land use.
- The geotechnical investigation identified various thickness of 'fill' within boreholes across the subject area. It should be noted that the terminology 'fill' does not always describe imported soils and the source of the fill may need to be further confirmed by geomorphological investigation.
- The subject area is on the Bradley's Head Peninsula in close proximity to Sydney Harbour. Taylors Gully drains into the harbour approximately 400m to the east of the subject area, with Sirius Creek 330m to the north west and Little Sirius Cove 270m to the west.
- The subject area is upon a crest which slopes to the south and west. The subject area is currently utilised as back of house facilities and is upon substantially modified topography with evidence of cutting.
- Archaeological site survey identified high level of disturbance at the subject area, including extensive historical land use associated with the development of the Zoo.
- No Aboriginal objects or archaeological resources were identified during the site survey.
- RAPs confirmed during the survey that the likelihood of objects or intangible cultural heritage values was low.
- The predictive model has identified that there is **low to nil** archaeological potential across the subject area.

This assessment has identified **low to nil archaeological potential** across the subject area.

Based on the above conclusions, the proposed development of the Nutrition Centre can proceed with the following recommendations:

1. **RAP consultation.** A copy of the final ACHAR must be provided to all project RAPs. Ongoing consultation with RAPs should occur as the project progresses. This will ensure ongoing communication about the project and key milestones and ensure that the consultation process does not lapse, particularly with regard to consultation should the Chance Find Procedure be enacted.
2. **Aboriginal Cultural Heritage Induction.** It is recommended that induction materials be prepared in consultation with the Registered Aboriginal Parties (RAPs) for inclusion in the construction management plan and site inductions for any contractors working at the subject area. The induction material should include an overview of the types of sites and artefacts to be aware of (i.e. stone tools, concentrations of shells that could be middens and rock engravings and grinding grooves), under the NPW Act, and the requirements of an 'archaeological chance find procedure' (refer below). This should be prepared for the project and included in any site management plans.
3. **Archaeological Chance Find Procedure.** Although considered highly unlikely, should any Aboriginal objects, archaeological deposits be uncovered during any site works, a procedure must be implemented. The following steps must be carried out:
 - 3.1. All works stop in the vicinity of the find. The find must not be moved 'out of the way' without assessment. The area must be cordoned-off to avoid any accidental impact.
 - 3.2. The archaeologist and Aboriginal representative on site examine the find, provides a preliminary assessment of significance, records the item for the AHIMS register and decides on appropriate management. Such management may require further consultation with the Aboriginal Cultural

Heritage Regulation Branch of the Department of Premier and Cabinet (DPC), preparation of a research design and archaeological investigation/salvage methodology and decision on temporary care and control.

- 3.3. Depending on the significance of the find, reassessment of the archaeological potential of the subject area may be required, and further archaeological investigation undertaken.
 - 3.4. Reporting may need to be prepared regarding the find and approved management strategies. Any such documentation should be appended to this ACHAR and revised accordingly.
 - 3.5. Works in the vicinity of the find can only recommence when all management measures are implemented, and the find is removed from the activity area. Should the find be an unmovable item such as an engraving or grinding groove located on a sandstone surface, further management measures will need to be introduced to avoid harm to the find.
4. **Human Remains Procedure.** In the unlikely event that human remains are uncovered during any site works, the following must be undertaken:
- 4.1. All works within the vicinity of the find immediately stop. The area must be cordoned-off and signage installed to avoid any accidental impact. The remains must not be moved.
 - 4.2. Site supervisor or other nominated manager must notify the NSW Police and DPC.
 - 4.3. The find must be assessed by the NSW Police, and may include the assistance of a qualified forensic anthropologist.
 - 4.4. Management recommendations are to be formulated by the Police, DPC and site representatives. Works are not to recommence until the find has been appropriately managed.

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- Urbis, 2021. *Historical Archaeological Assessment, Taronga Wildlife Hospital, Taronga Zoo.*

DISCLAIMER

This report is dated 1 December 2021 and incorporates information and events up to that date only and excludes any information arising, or event occurring, after that date which may affect the validity of Urbis Pty Ltd (**Urbis**) opinion in this report. Urbis prepared this report on the instructions, and for the benefit only, of TARONGA CONSERVATION SOCIETY AUSTRALIA (**Instructing Party**) for the purpose of an Aboriginal Cultural Heritage assessment (**Purpose**) and not for any other purpose or use. To the extent permitted by applicable law, Urbis expressly disclaims all liability, whether direct or indirect, to the Instructing Party which relies or purports to rely on this report for any purpose other than the Purpose, and to any other person which relies or purports to rely on this report for any purpose whatsoever (including the Purpose).

In preparing this report, Urbis was required to make judgements which may be affected by unforeseen future events, the likelihood and effects of which are not capable of precise assessment.

All surveys, forecasts, projections and recommendations contained in or associated with this report are made in good faith and on the basis of information supplied to Urbis at the date of this report, and upon which Urbis relied. Achievement of the projections and budgets set out in this report will depend, among other things, on the actions of others over which Urbis has no control.

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This report has been prepared with due care and diligence by Urbis and the statements and opinions given by Urbis in this report are given in good faith and in the reasonable belief that they are correct and not misleading, subject to the limitations above.

APPENDIX A

BASIC & EXTENSIVE AHIMS RESULTS

Urbis Pty Ltd - Angel Place L8 123 Pitt Street

Date: 09 February 2021

Level 8 123 Angel Street
Sydney New South Wales 2000

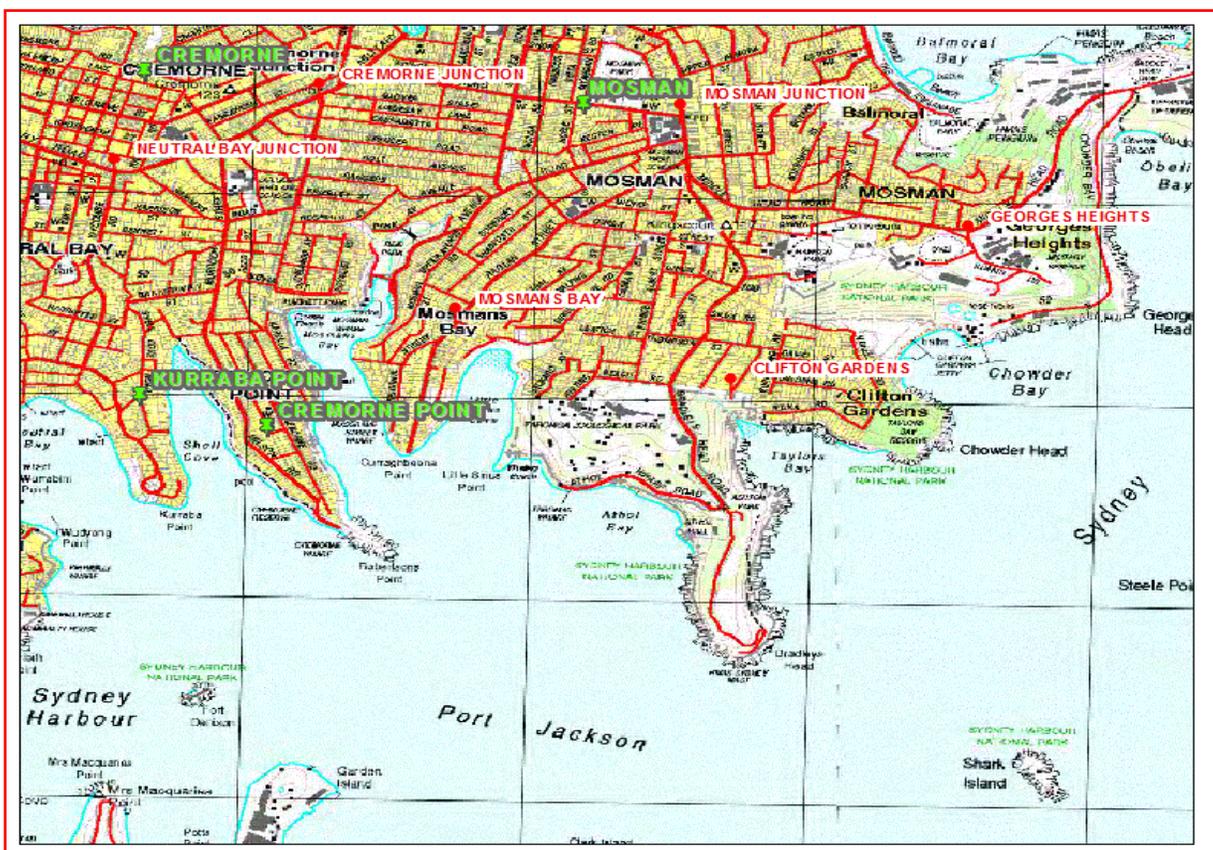
Attention: Meggan Walker

Email: mwalker@urbis.com.au

Dear Sir or Madam:

AHIMS Web Service search for the following area at Datum :GDA, Zone : 56, Eastings : 335270 - 339270, Northings : 6251829 - 6255829 with a Buffer of 0 meters, conducted by Meggan Walker on 09 February 2021.

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 the Office of the Environment and Heritage AHIMS Web Services (Aboriginal Heritage Information Management System) has shown that:

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

If your search shows Aboriginal sites or places what should you do?

- You must do an extensive search if AHIMS has shown that there are Aboriginal sites or places recorded in the search area.
- If you are checking AHIMS as a part of your due diligence, refer to the next steps of the Due Diligence Code of practice.
- You can get further information about Aboriginal places by looking at the gazettal notice that declared it. Aboriginal places gazetted after 2001 are available on the [NSW Government Gazette \(http://www.nsw.gov.au/gazette\)](http://www.nsw.gov.au/gazette) website. Gazettal notices published prior to 2001 can be obtained from Office of Environment and Heritage's Aboriginal Heritage Information Unit upon request

Important information about your AHIMS search

- The information derived from the AHIMS search is only to be used for the purpose for which it was requested. It is not to be made available to the public.
- AHIMS records information about Aboriginal sites that have been provided to Office of Environment and Heritage and Aboriginal places that have been declared by the Minister;
- Information recorded on AHIMS may vary in its accuracy and may not be up to date. Location details are recorded as grid references and it is important to note that there may be errors or omissions in these recordings,
- Some parts of New South Wales have not been investigated in detail and there may be fewer records of Aboriginal sites in those areas. These areas may contain Aboriginal sites which are not recorded on AHIMS.
- Aboriginal objects are protected under the National Parks and Wildlife Act 1974 even if they are not recorded as a site on AHIMS.
- This search can form part of your due diligence and remains valid for 12 months.

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
45-6-2217	GH1	AGD	56	338850	6254280	Closed site	Valid	Artefact : -, Art (Pigment or Engraved) : -	Shelter with Art, Shelter with Deposit	2025, 2988
	Contact									
	Recorders			Margrit Koettig						
	Permits									
45-6-2220	Balmoral Beach 4;	AGD	56	338240	6255270	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1809, 2988
	Contact									
	Recorders			Val Attenbrow, K Cutmore						
	Permits									
45-6-2230	Clifton Gardens 1; Clifton Gardens;	AGD	56	338080	6254120	Open site	Valid	Shell : -, Artefact : -	Midden	2025
	Contact									
	Recorders			Margrit Koettig						
	Permits									
45-6-2342	Fig Trees Midden	AGD	56	338290	6255291	Open site	Valid	Shell : -, Artefact : -	Midden	
	Contact									
	Recorders			Michael Guider						
	Permits									
45-6-2320	Burrangi Cave; Mosman;	AGD	56	337790	6253250	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	Contact									
	Recorders			Michael Guider						
	Permits									
45-6-2322	Red Fish 2; Mosman;	AGD	56	337740	6253090	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	Contact									
	Recorders			Michael Guider						
	Permits									
45-6-1959	Taronga Zoo Cave; Mosman;	AGD	56	336980	6253650	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2025
	Contact									
	Recorders			Michael Guider						
	Permits								3854	
45-6-2963	Shell Cove Rd NSW NSC-070	GDA	56	335604	6254130	Open site	Valid	Artefact : -		
	Contact									
	Recorders			Mr. Phil Hunt, Aboriginal Heritage Office						
	Permits									
45-6-0640	Mosman-Sydney	GDA	56	335604	6255590	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	
	Contact									
	Recorders			Michael Guider, Aboriginal Heritage Office						
	Permits									
45-6-2328	Chowder Head; Clifton Gardens;	AGD	56	338340	6253790	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	Contact									
	Recorders			Michael Guider						
	Permits									
45-6-0265	Balmoral Beach	AGD	56	338550	6255480	Open site	Not a Site	Art (Pigment or Engraved) : -	Not an Aboriginal Site	2025
	Contact									
	Recorders			Margrit Koettig, Michael Guider						
	Permits									
45-6-0267	Mosman;	AGD	56	337682	6255487	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	2025
	Contact									
	Recorders			Margrit Koettig, W.D Campbell						
	Permits									
45-6-0272	Robertson's Point Cremorne	GDA	56	336129	6253645	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	597
	Contact									
	Recorders			Charles.D Power, Aboriginal Heritage Office						
	Permits									
45-6-0273	Cremorne Point Shell Cove	GDA	56	335999	6253655	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	

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SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
	Contact	Recorders	Charles.D Power,Aboriginal Heritage Office					Permits		
45-6-0274	Cremorne Point Crows Nest	GDA	56	336249	6253720	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	Contact	Recorders	Michael Guider,Aboriginal Heritage Office					Permits		
45-6-2061	Red Shield Cave;	AGD	56	335910	6253430	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	1809
	Contact	Recorders	Michael Guider					Permits		
45-6-2062	Bradleys Beach	AGD	56	337762	6252708	Open site	Valid	Shell : -, Artefact : -	Midden,Open Camp Site	1809,1895,2025
	Contact	Recorders	Val Attenbrow,Michael Guider					Permits		
45-6-2063	Little Sirius Pt. 3;	AGD	56	336792	6253460	Open site	Valid	Shell : -, Artefact : -	Midden,Open Camp Site	1809,2025
	Contact	Recorders	Michael Guider					Permits		
45-6-2064	Little Sirius Pt. 2;Mosman;	AGD	56	336790	6253460	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1809,2025
	Contact	Recorders	Michael Guider					Permits		
45-6-2065	Little Sirius Pt. 1;Mosman;	AGD	56	336782	6253460	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1809,2025
	Contact	Recorders	Margrit Koettig,Michael Guider					Permits		
45-6-2066	Red Ochre Fish	AGD	56	337481	6253127	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	1809,1895,2025
	Contact	Recorders	Michael Guider					Permits		
45-6-2068	Shell Cove 2	GDA	56	335784	6254190	Open site	Valid	Shell : -, Artefact : -	Midden	1809
	Contact	Recorders	Michael Guider,Aboriginal Heritage Office					Permits		
45-6-2069	Shell Cove 1	GDA	56	335844	6254100	Open site	Valid	Shell : -, Artefact : -	Midden	1809
	Contact	Recorders	Michael Guider,Aboriginal Heritage Office					Permits		
45-6-2071	Cremorne Pt. 1	GDA	56	336464	6253305	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1809
	Contact	Recorders	Michael Guider,Aboriginal Heritage Office					Permits		
45-6-1896	Chowder Head	AGD	56	338303	6253598	Open site	Valid	Shell : -, Artefact : -	Midden	2025
	Contact	Recorders	Michael Guider					Permits		
45-6-1897	Chowder Head 1	AGD	56	338161	6253587	Closed site	Valid	Art (Pigment or Engraved) : -, Shell : -, Artefact : -	Midden,Shelter with Art	2025
	Contact	Recorders	Michael Guider					Permits		
45-6-1898	The Balcony	AGD	56	338343	6253710	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2025
	Contact	Recorders	Michael Guider					Permits		

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SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
45-6-1899	Chowder Head 2	AGD	56	338036	6253594	Open site	Valid	Artefact : -, Shell : -	Midden,Open Camp Site	2025
	<u>Contact</u>								<u>Permits</u>	
45-6-1905	Reid Park 2;Mosman;	AGD	56	336500	6254600	Open site	Valid	Shell : -, Artefact : -	Midden	2025
	<u>Contact</u>								<u>Permits</u>	
45-6-1906	Reid Park 1;Mosman;	AGD	56	336300	6254500	Open site	Valid	Shell : -, Artefact : -	Midden	2025
	<u>Contact</u>								<u>Permits</u>	
45-6-2206	Reid Park 3;Mosman;	AGD	56	336357	6254502	Open site	Valid	Artefact : -, Shell : -	Midden,Open Camp Site	2025
	<u>Contact</u>								<u>Permits</u>	
45-6-2208	Bradleys Beach rock shelter	AGD	56	337751	6252663	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1895,2025
	<u>Contact</u>								<u>Permits</u>	
45-6-2117	Clifton Cave;	AGD	56	338209	6253889	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2025
	<u>Contact</u>								<u>Permits</u>	
45-6-2118	Mosman Bradley's Head	AGD	56	337474	6253300	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1895,2025
	<u>Contact</u>								<u>Permits</u>	
45-6-2119	Mosman Athol Beach	AGD	56	337460	6253150	Open site	Valid	Artefact : -	Open Camp Site	1895,2025
	<u>Contact</u>								<u>Permits</u>	
45-6-2121	Cremorne Pt. 3;	AGD	56	336170	6253490	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	<u>Contact</u>								<u>Permits</u>	
45-6-2123	The Barn Cave;Mosman;	AGD	56	336450	6254290	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	2025
	<u>Contact</u>								<u>Permits</u>	2106
45-6-2124	Chowder Head 2;	AGD	56	338188	6253961	Closed site	Valid	Shell : -, Artefact : -, Art (Pigment or Engraved) : -	Shelter with Art,Shelter with Midden	2025
	<u>Contact</u>								<u>Permits</u>	
45-6-2130	Athol Bay Cave;Mosman;Taronga Park Zoo;	AGD	56	337250	6253390	Closed site	Valid	Shell : -, Artefact : -, Art (Pigment or Engraved) : -	Shelter with Art,Shelter with Midden	2025
	<u>Contact</u>								<u>Permits</u>	
45-6-0641	Crows Nest;Neutral Bay;	AGD	56	335516	6253982	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	
	<u>Contact</u>								<u>Permits</u>	

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SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
45-6-2143	Cremorne Point West (duplicate copy 45-6-0273 and 45-2-0274)	GDA	56	335770	6253800	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1809,1911
	Contact	Recorders	W.D Campbell,Aboriginal Heritage Office				Permits			
45-6-1231	Sea Scouts Fence Cave	AGD	56	338550	6255500	Closed site	Valid	Art (Pigment or Engraved) : -, Shell : -, Artefact : -	Shelter with Art,Shelter with Midden	2025,2204,298 8
	Contact	Recorders	Margrit Koettig,Michael Guider,Michael Guider,Mr.R Taplin,Mr.R Taplin				Permits			
45-6-2092	Obelisk Bay	AGD	56	338990	6255250	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	1809,2025,298 8
	Contact	Recorders	Margrit Koettig,Michael Guider				Permits			
45-6-2168	RSYS midden;	AGD	56	335190	6253050	Open site	Valid	Artefact : -, Shell : -	Midden,Open Camp Site	
	Contact	Recorders	Michael Guider				Permits			
45-6-2178	Shark Island 2;	GDA	56	338802	6252265	Open site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	Contact	Recorders	Michael Guider,GML Heritage Pty Ltd + Context - Surry Hills,Doctor.Tim Owen				Permits			
45-6-2179	Shark Island 1;	GDA	56	338876	6252082	Open site	Valid	Shell : -, Artefact : -	Midden	
	Contact	Recorders	Michael Guider,GML Heritage Pty Ltd + Context - Surry Hills,Doctor.Tim Owen				Permits			
45-6-2323	Birds Nest Cave;Clifton Gardens;	AGD	56	337530	6253810	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	Contact	Recorders	Michael Guider				Permits			
45-6-2327	Chowder Bay;Clifton Gardens;	AGD	56	338350	6254200	Open site	Valid	Shell : -, Artefact : -	Midden	
	Contact	Recorders	Michael Guider				Permits			
45-6-2329	Chowder Head 3;Clifton Gardens;	AGD	56	338330	6253790	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	Contact	Recorders	Michael Guider				Permits			
45-6-2330	Two Fish;Clifton Gardens;	AGD	56	338370	6253650	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	
	Contact	Recorders	Michael Guider				Permits			
45-6-2331	Koree Cave	AGD	56	338450	6254370	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	Contact	Recorders	Michael Guider				Permits			
45-6-2332	Clifton Reserve 1;Clifton Gardens;	AGD	56	338100	6254160	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	
	Contact	Recorders	Michael Guider				Permits			
45-6-2333	Shale Cave;Clifton Gardens;	AGD	56	338330	6253610	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	Contact	Recorders	Michael Guider				Permits			
45-6-2334	Chowder Head 5;Clifton Gardens;	AGD	56	338390	6253590	Open site	Valid	Shell : -, Artefact : -	Midden	

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SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
	Contact	Recorders	Michael Guider					Permits		
45-6-2042	Ashton park	AGD	56	337730	6252728	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	1809,1895,2025
	Contact	Recorders	Margrit Koettig,Michael Guider					Permits		
45-6-0740	Mosman;Balmoral;	AGD	56	337866	6255399	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	2025
	Contact	Recorders	Margrit Koettig,W.D Campbell					Permits		
45-6-1757	Georges Head 2	AGD	56	338990	6254500	Open site	Valid	Artefact : -, Shell : -	Midden,Open Camp Site	2025,2988
	Contact	Recorders	Val Attenbrow,Val Attenbrow,A.K Morris					Permits		
45-6-0656	Mosman Bay	AGD	56	336428	6254573	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2025
	Contact	Recorders	Val Attenbrow,Margrit Koettig					Permits		
45-6-0658	Crows Nest;Avenue Rd;	AGD	56	336611	6254095	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	2025
	Contact	Recorders	Margrit Koettig,W.D Campbell					Permits		
45-6-0665	Mosman Bay;	AGD	56	337100	6254800	Open site	Deleted	Art (Pigment or Engraved) : -	Rock Engraving	2025
	Contact	Recorders	Margrit Koettig,W.D Campbell					Permits		
45-6-0674	Bradley's Head;Taylor's Bay;	AGD	56	337900	6253662	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2025
	Contact	Recorders	Brown					Permits		
45-6-0677	Balmoral Beach 2;Bungarees cave;	AGD	56	338250	6255290	Closed site	Valid	Art (Pigment or Engraved) : -, Shell : -, Artefact : -	Shelter with Art,Shelter with Midden	1809,2025,98676
	Contact	Recorders	Val Attenbrow,Alice Gorman,Michael Guider					Permits	267,419,4346	
45-6-0678	Balmoral Beach 3;	AGD	56	338160	6255400	Closed site	Valid	Art (Pigment or Engraved) : -, Shell : -, Artefact : -, Burial : -	Burial/s,Midden,Shelter with Art	1809,2025,2988
	Contact	Recorders	Val Attenbrow					Permits	3170	
45-6-1698	Georges Head 1	AGD	56	339000	6254490	Closed site	Valid	Shell : -, Artefact : -	Midden,Shelter with Deposit	1293,2025,2988
	Contact	Recorders	Val Attenbrow					Permits		
45-6-1701	Little Sirius Cove Midden;	AGD	56	336837	6253788	Closed site	Valid	Artefact : -, Shell : -	Midden,Shelter with Deposit	1293,2025
	Contact	Recorders	Val Attenbrow,A.K Morris					Permits		
45-6-1702	Sirius Park Midden;	AGD	56	336850	6253973	Open site	Valid	Artefact : -, Shell : -	Midden,Open Camp Site	1293,1809,2025
	Contact	Recorders	Val Attenbrow,A.K Morris					Permits		

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SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
45-6-0028	Taylor's Bay;Chowder Head;	AGD	56	337900	6253700	Open site	Valid	Art (Pigment or Engraved) :-	Rock Engraving	2025
	Contact									
	Recorders									
45-6-2080	Cremorne Pt 2	GDA	56	336374	6253380	Open site	Valid	Artefact : -, Shell :-	Midden,Open Camp Site	1809
	Contact									
	Recorders									
45-6-2934	Yurong Cave	GDA	56	335595	6251900	Closed site	Valid	Art (Pigment or Engraved) :-		102763
	Contact									
	Recorders									
45-6-2935	Yurong 1	GDA	56	335555	6252020	Open site	Valid	Shell : 6		
	Contact									
	Recorders									
45-6-2807	Bradleys Head East 1	AGD	56	337739	6253143	Open site	Valid	Habitation Structure : 1, Shell : 1		
	Contact T Russell									
	Recorders									
45-6-2808	Bradleys Head East 2	AGD	56	337794	6253270	Open site	Valid	Habitation Structure : 1, Shell : 1		
	Contact T Russell									
	Recorders									
45-6-2812	Fire Trail PAD 1	AGD	56	338710	6254995	Open site	Valid	Potential Archaeological Deposit (PAD) : 1		
	Contact T Russell									
	Recorders									
45-6-2813	GH 2	AGD	56	338850	6254284	Open site	Valid	Potential Archaeological Deposit (PAD) : 1		
	Contact T Russell									
	Recorders									
45-6-2814	Fire Trail PAD 2	AGD	56	338690	6255025	Open site	Valid	Potential Archaeological Deposit (PAD) : 1		
	Contact T Russell									
	Recorders									
45-6-2816	Little Fish Park Midden	AGD	56	336858	6254073	Open site	Valid	Habitation Structure : 1, Shell : 1		
	Contact T Russell									
	Recorders									
45-6-2818	Chowder Head 4	AGD	56	338300	6253800	Open site	Valid	Habitation Structure : 1, Earth Mound : 1		
	Contact S Scanlon									
	Recorders									
45-6-2819	Chowder Head 5	AGD	56	338266	6253757	Open site	Valid	Habitation Structure : 1, Earth Mound : 1		
	Contact S Scanlon									
	Recorders									
45-6-2820	Chowder Head 6	AGD	56	338231	6253853	Open site	Valid	Habitation Structure : 1		

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AHIMS Web Services (AWS)

Extensive search - Site list report

<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>
	<u>Contact</u> S Scanlon	<u>Recorders</u>		Matthew Kelleher						

Report generated by AHIMS Web Service on 09/02/2021 for Meggan Walker for the following area at Datum :GDA, Zone : 56, Eastings : 335270 - 339270, Northings : 6251829 - 6255829 with a Buffer of 0 meters. Additional Info : ACHA. Number of Aboriginal sites and Aboriginal objects found is 79

This information is not guaranteed to be free from error omission. Office of Environment and Heritage (NSW) and its employees disclaim liability for any act done or omission made on the information and consequences of such acts or omission.

APPENDIX B

CONSULTATION DOCUMENTS

Search National Native Title Register

The National Native Title Register (NNTR) is a register established under s. 192 of the *Native Title Act 1993* (Cth).

The NNTR contains determinations of native title made by:

- the High Court of Australia
- the Federal Court of Australia
- or a recognised body such as South Australia's Supreme Court and Environment Resources and Development Court.

Further information about the NNTR is available.

Tribunal file no.	<input type="text"/>
Federal Court file no.	<input type="text"/>
Short name	<input type="text"/>
Case name	<input type="text"/>
State or Territory	ALL
Registered Native Title Body Corporate*	<input type="text"/>
Representative A/TSI body area	<input type="text"/>
Local government area	Mosman Municipal Council
Determination type	ALL
Legal process	ALL
Determination outcome	ALL
Determination date between	<input type="text"/> and <input type="text"/>
Sort by	Determination date

*Please note: current contact details for the Registered Native Title Body Corporate are available from the Office of the Registrar of Indigenous Corporations www.oric.gov.au

No results for current search criteria

Search Register of Native Title Claims

The Register of Native Title Claims (RNTC) contains information about all claimant applications that have been registered. The Registrar is responsible for maintaining the RNTC.

Further information about the RNTC is available.

Tribunal file no.	<input type="text"/>
Federal Court file no.	<input type="text"/>
Application name	<input type="text"/>
State or Territory	ALL
Representative A/TSI body area	<input type="text"/>
Local government area	Mosman Municipal Council
Date filed between	<input type="text"/> and <input type="text"/>
Sort by	Date filed

No results for current search criteria



Request for Search of Tribunal Registers

Search for overlapping interests i.e.: Is there a native title claim, determination or land use agreement over this land?

Please note: the NNTT cannot search over freehold land.

For further information on freehold land: [Click Here](#) (NNTT website)

1. Your details

NAME:	Meggan Walker
POSITION:	Consultant
COMPANY/ORGANISATION:	Urbis
POSTAL ADDRESS:	Level 8, 123 Pitt Street, Sydney, NSW, 2000
TELEPHONE:	02 8233 7626
EMAIL:	Mwalker@urbis.com.au
YOUR REFERENCE:	P0031212
DATE OF REQUEST:	3/02/2021

2. Reason for your request

Are you a party to a native title proceeding?

Yes No

Please provide Federal Court/Tribunal file number/or application name:

OR

Do you need to identify existing- native title interests to comply with the *Native Title Act 1993* (Cth) or other State/Territory legislation?

Yes No

Please provide brief details of these obligations here:

Archaeological assessment

3. Identify the area to be searched

If there is insufficient room below, please send more information on a Word or Excel document.

Mining tenure

State/Territory: _____
Tenement ref/s: _____

OR

Crown land / non-freehold tenure

Tenure type: Lease Reserve or other Crown land
State/Territory: New South Wales
Lot and plan details: Lot 22 DP 843294
Pastoral Lease number or name: _____
Other details: (Town/County/Parish/Section/Hundred/Portion): Mosman/Cumberland/Willoughby

Email completed form to: GeospatialSearch@nntt.gov.au

Meggan Walker

From: Geospatial Search Requests <GeospatialSearch@NNTT.gov.au>
Sent: Thursday, 4 February 2021 4:36 PM
To: Meggan Walker
Cc: Balazs Hansel; Andrew Crisp
Subject: RE: SR21/126 - Native Title Search - Taronga Zoo Reptile and Amphibian Conservation Centre (P0031209) - SR21/126

Follow Up Flag: Follow up
Flag Status: Flagged

UNCLASSIFIED

Native title search – NSW Parcel – Lot 22 on DP843594
Your ref: P0031209 - Our ref: SR21/126

Dear Meggan Walker ,

Thank you for your search request received on 03 February 2021 in relation to the above area. Based on the records held by the National Native Title Tribunal as at 04 February 2021 it would appear that there are no Native Title Determination Applications, Determinations of Native Title, or Indigenous Land Use Agreements over the identified area.

Search Results

The results provided are based on the information you supplied and are derived from a search of the following Tribunal databases:

- Schedule of Native Title Determination Applications
- Register of Native Title Claims
- Native Title Determinations
- Indigenous Land Use Agreements (Registered and notified)

At the time this search was carried out, there were no relevant entries in the above databases.

Cadastral Data as at: 01/07/2020

Parcel ID	Feature Area SqKm	Tenure	NNTT file number	Name	Category	Pe
22//DP843294	0.2809	FREEHOLD	No overlap			

For more information about the Tribunal's registers or to search the registers yourself and obtain copies of relevant register extracts, please visit our [website](#).

Information on native title claims and freehold land can also be found on the Tribunal's website here: [Native title claims and freehold land](#).

Please note: There may be a delay between a native title determination application being lodged in the Federal Court and its transfer to the Tribunal. As a result, some native title determination applications recently filed with the Federal Court may not appear on the Tribunal's databases.

The search results are based on analysis against external boundaries of applications only. Native title applications commonly contain exclusions clauses which remove areas from within the external boundary. To determine whether the areas described are in fact subject to claim, you need to refer to the "Area covered by claim" section of the relevant Register Extract or Schedule Extract and any maps attached.

Search results and the existence of native title

Please note that the enclosed information from the Register of Native Title Claims and/or the Schedule of Applications is **not** confirmation of the existence of native title in this area. This cannot be confirmed until the Federal Court makes a determination that native title does or does not exist in relation to the area. Such determinations are registered on the National Native Title Register.

The Tribunal accepts no liability for reliance placed on enclosed information

The enclosed information has been provided in good faith. Use of this information is at your sole risk. The National Native Title Tribunal makes no representation, either express or implied, as to the accuracy or suitability of the information enclosed for any particular purpose and accepts no liability for use of the information or reliance placed on it.

If you have any further queries, please do not hesitate to contact us on the free call number 1800 640 501.

Regards,

Geospatial Searches

National Native Title Tribunal | Perth

Email: GeospatialSearch@nntt.gov.au | www.nntt.gov.au

From: Meggan Walker <mwalker@urbis.com.au>

Sent: Wednesday, 3 February 2021 7:13 AM

To: Geospatial Search Requests <GeospatialSearch@NNTT.gov.au>

Cc: Balazs Hansel <bhansel@urbis.com.au>; Andrew Crisp <acrisp@urbis.com.au>

Subject: SR21/126 - Native Title Search - Taronga Zoo Reptile and Amphibian Conservation Centre (P0031209)

Caution: This is an external email. DO NOT click links or open attachments unless you recognise the sender and know the content is safe.

Hello all,

Please see attached search request form for a search of the Native Title Tribunal registers for Taronga Zoo, Lot 22 DP 843294.

Kind regards,

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626

T +61 2 8233 9900

E mwalker@urbis.com.au



ANGEL PLACE, LEVEL 8, 123 PITT STREET
SYDNEY, NSW 2000, AUSTRALIA

Urbis recognises the traditional owners of the land on which we work.
Learn more about our [**Reconciliation Action Plan**](#).

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Meggan Walker

From: Meggan Walker
Sent: Tuesday, 9 February 2021 1:25 PM
To: Balazs Hansel
Cc: Andrew Crisp; Alexandra Ribeny
Subject: Stage 1.2 Agency Letter - Taronga Zoo Wildlife Hospital (Our Ref P0031212)
Attachments: P0031212_TarongaZoo_Stage1.2AgencyLetter_FNL.pdf

Tracking:	Recipient	Delivery
	Balazs Hansel	Delivered: 9/02/2021 1:26 PM
	Andrew Crisp	Delivered: 9/02/2021 1:26 PM
	Alexandra Ribeny	Delivered: 9/02/2021 1:26 PM
	Local Land Services Greater Sydney (gs.service@lls.nsw.gov.au)	
	metrolalc@metrolalc.org.au	
	information@ntscorp.com.au	
	OEH HD Heritage Mailbox	
	Office of the Registrar Aboriginal Land Rights Act 1983 NSW (adminofficer@oralra.nsw.gov.au)	
	council@mosman.nsw.gov.au	

Dear all,

Please see the attached Stage 1.2 Agency Letter for our project at Taronga Zoo, 2A Bradleys Head Road, Mosman for the development of a Wildlife Hospital.
Please let us know if you have any questions, and provide any responses as soon as possible and preferably before 16th February 2021.

Kind regards,

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
T +61 2 8233 9900
E mwalker@urbis.com.au

**SHAPING
CITIES AND
COMMUNITIES**



ANGEL PLACE, LEVEL 8, 123 PITT STREET
SYDNEY, NSW 2000, AUSTRALIA

Urbis recognises the traditional owners of the land on which we work.
Learn more about our [Reconciliation Action Plan](#).

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**ANGEL PLACE
LEVEL 8, 123 PITT STREET
SYDNEY NSW 2000**

URBIS.COM.AU
Urbis Pty Ltd
ABN 50 105 256 228

9 February 2021

To whom it may concern,

TARONGA ZOO – WILDLIFE HOSPITAL SSDA - ABORIGINAL CULTURAL HERITAGE ASSESSMENT – ABORIGINAL COMMUNITY CONSULTATION STAGE 1

Urbis has been commissioned by the Taronga Conservation Society Australia (the Proponent) to conduct an Aboriginal Cultural Heritage Assessment (ACHA) for the development of a Wildlife Hospital within the grounds of Taronga Zoo, Lot 22 DP843294, Mosman, New South Wales.

This project is to be submitted to the Department of Planning, Industry and Environment as a State Significant Development Application (SSDA). The ACHA process is being commenced prior to the receipt of the Secretary's Environmental Assessment Requirements (SEARs) due to strict timeframes, however it is anticipated that the SEARs will require an ACHA to form part of the Environmental Impact Statement (EIS) for this project.

The ACHA is to be carried out in accordance with relevant guidelines under *the National Parks and Wildlife Act 1974* (NPW Act), including *the Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW* (OEH 2011). The assessment would detail the nature, location and spatial extent of any potential Aboriginal cultural heritage resources within the subject area, investigate if the proposed development would harm those resources and provide recommendations for management options.

Paul De Alwis
Project Manager, Corporate Services and Governance

[REDACTED]
[REDACTED]
[REDACTED]

Or

Matthew Spooner
Senior Project Manager, Corporate Services and Governance
Taronga Conservation Society Australia

[REDACTED]
[REDACTED]

In accordance with the *Aboriginal cultural heritage consultation requirements for proponents (DEECW 2010)* (the Consultation Requirements) and Clause 80C of the NSW National Parks and Wildlife Regulation 2009, the Proponent will conduct an Aboriginal community consultation process with



registered Aboriginal people to assist with the preparation of the ACHA to identify any Aboriginal cultural heritage values or archaeological materials and mitigate risk of harm.

In accordance with Section 4.1.2 of the Consultation Requirements, Urbis proposes to compile a list of Aboriginal people and organisations who may hold cultural knowledge relevant to determining the significance of Aboriginal objects and/or places that may exist within the subject area.

Should you be aware of any Aboriginal persons and/or organisations that may hold an interest in the project, please provide their details at your earliest convenience and preferably by **16th February 2021** in writing to:

Meggan Walker
Urbis
Consultant
mwalker@urbis.com.au
Level 8, 123 Pitt Street, Sydney, 2000

he proponent will write to each Aboriginal person or group whose details are provided to notify them of the proposed project and invite them to register an interest in the community consultation process.

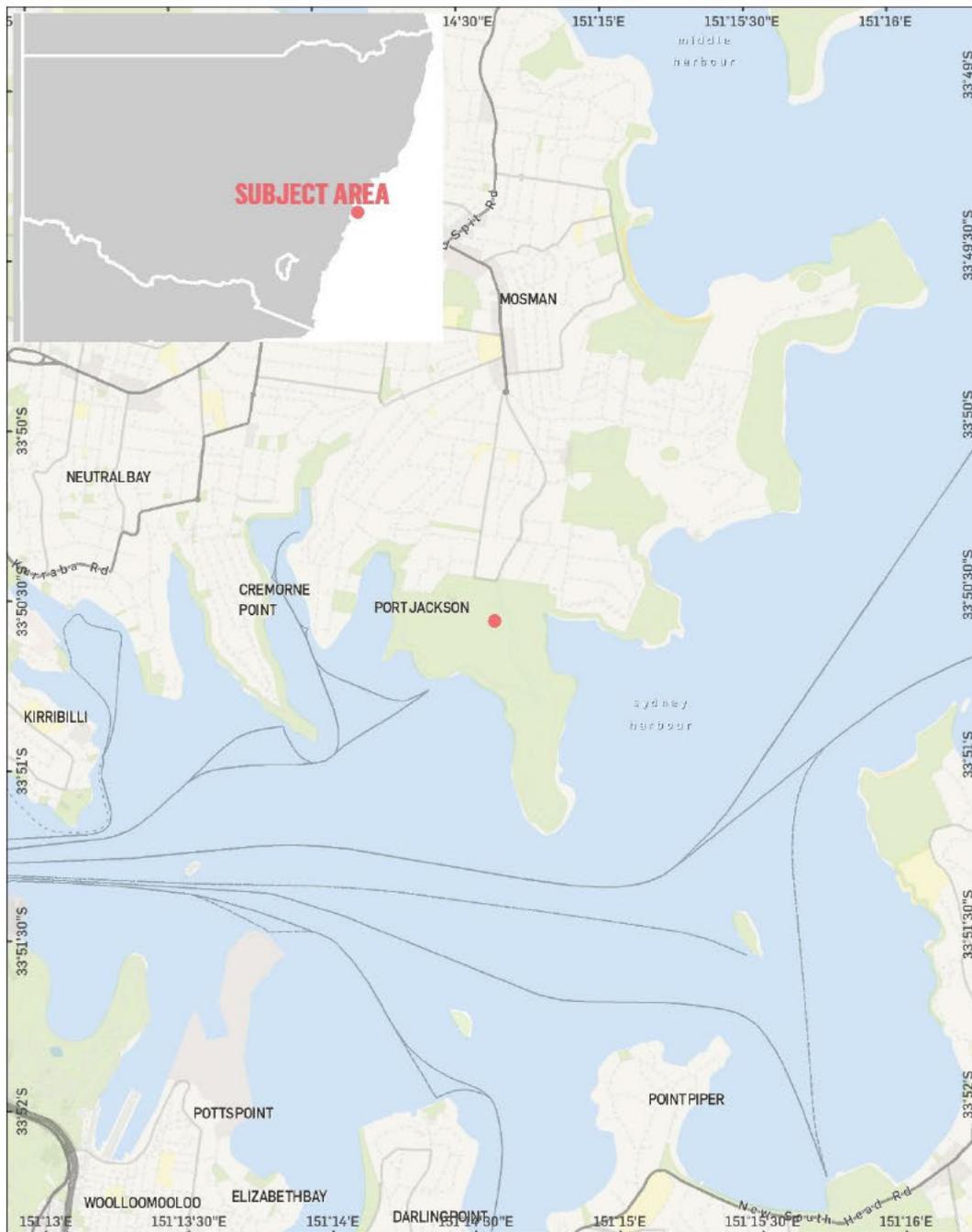
Please be advised that, as per the Consultation Requirements, the Proponent is required to forward the names of Aboriginal persons and groups who register an interest (Registered Aboriginal Parties) to the Local Aboriginal Land Council and Department of Premier and Cabinet Aboriginal Branch unless the person or group specifies that they do not want their details released.

Please do not hesitate to contact us should you have any queries in relation to the provided information.

Yours sincerely,

A handwritten signature in blue ink, appearing to read "M Walker".

Meggan Walker
Consultant
+61 2 8233 7626
mwalker@urbis.com.au



GDA 1994 MGA Zone 56

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Project Manager: Balazs Hansel

● Subject Area

REGIONAL LOCATION
 Taronga Zoo
 Taronga Conservation Society Australia

Figure 1 – Regional Location of the Subject Area

Meggan Walker

From: Paul Houston <Paul.Houston@environment.nsw.gov.au>
Sent: Thursday, 18 February 2021 9:52 PM
To: Meggan Walker
Subject: RAP letters for Taronga Zoo Projects
Attachments: DOC21-85551-1 Taronga Zoo Wildlife Reptile and Amphibian Conservation Centre Mosman.pdf; DOC21-85549-1 Taronga Zoo Wildlife Hospital Mosman.pdf

Importance: High

Follow Up Flag: Flag for follow up

Flag Status: Flagged

Meggan

Please see attached RAP letters for the 2 Taronga Zoo projects.

If you have any questions please contact me.

Thanxs
Paul

Paul Houston, Aboriginal Heritage Planning Officer
Heritage NSW, Community Engagement, Department of Premier and Cabinet
142 Brisbane St, Dubbo NSW 2830
T: 02 68835361, M: 0427832205 | Paul.Houston@environment.nsw.gov.au

Please lodge all Applications to Heritagemailbox@environment.nsw.gov.au

I acknowledge and respect the traditional custodians and ancestors of the lands I work across.

Heritage NSW and coronavirus (COVID-19)

Heritage NSW has taken steps to protect the safety, health and wellbeing of our staff, communities and customers. Whilst our offices remain open, we have put in place flexible working arrangements for our teams across NSW and continue to adapt our working arrangements as necessary. Face-to-face meetings and field work/site visits with our customers are subject to rules on gatherings and social distancing measures. We thank you for your patience and understanding at this time.

This email is intended for the addressee(s) named and may contain confidential and/or privileged information.

If you are not the intended recipient, please notify the sender and then delete it immediately.

Any views expressed in this email are those of the individual sender except where the sender expressly and with authority states them to be the views of the NSW Office of Environment and Heritage.

PLEASE CONSIDER THE ENVIRONMENT BEFORE PRINTING THIS EMAIL

Meggan Walker
Urbis
Level 8, 123 Pitt Sydney
SYDNEY NSW 2000
mwalker@urbis.com.au

RE: Request for information on Aboriginal stakeholders for an Aboriginal cultural heritage assessment of the proposed “Taronga Zoo – Wildlife Hospital, Mosman, NSW”

Dear Meggan,

Thank you for your letter of 9 February 2021 about Aboriginal cultural heritage consultation for a “Taronga Zoo – Wildlife Hospital, Mosman, NSW”, Mosman, NSW, within the Mosman local government area. I appreciate the opportunity to provide input.

Please find enclosed a list of known Aboriginal parties for the Mosman local government area (Attachment 1) that we consider likely to have an interest in the proposal. Note this is not an exhaustive list of all interested Aboriginal parties. Receipt of this list does not remove the requirement for a proponent/consultant to advertise the proposal in the local print media and contact other bodies and community groups seeking interested Aboriginal parties, in accordance with the ‘*Aboriginal cultural heritage consultation requirements for proponents 2010*’ (the CRs).

We would also like to take this opportunity to remind the proponent and consultant to:

- Ensure that consultation is fair, equitable and transparent. If the Aboriginal parties express concern or are opposed to parts of or the entire project, we expect that evidence will be provided to demonstrate the efforts made to find common ground between the opponents and the proponent.

If you have any questions about this advice, please do not hesitate to contact me via paul.houston@environment.nsw.gov.au or 02 68835361.

Yours sincerely



Paul Houston
Aboriginal Heritage Planning Officer
Aboriginal Cultural Heritage Regulation - Northern
Heritage NSW
Department of Premier and Cabinet
18 February 2021

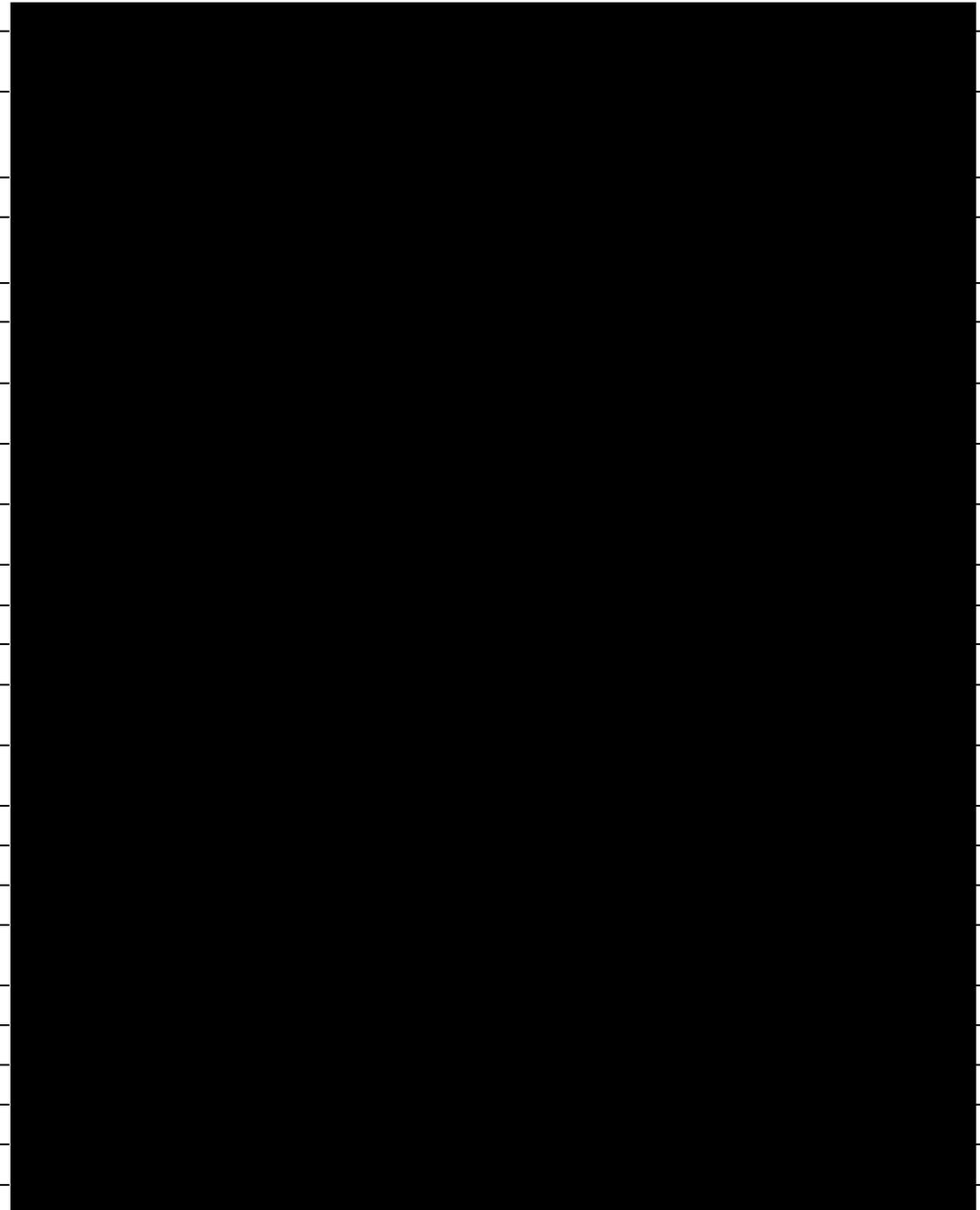
ATTACHMENT A

Table 1: List of Aboriginal stakeholder groups within the Mosman LGA. - that may have an interest in the project; provided as per the “OEH Aboriginal cultural heritage requirement for proponents 2010”.

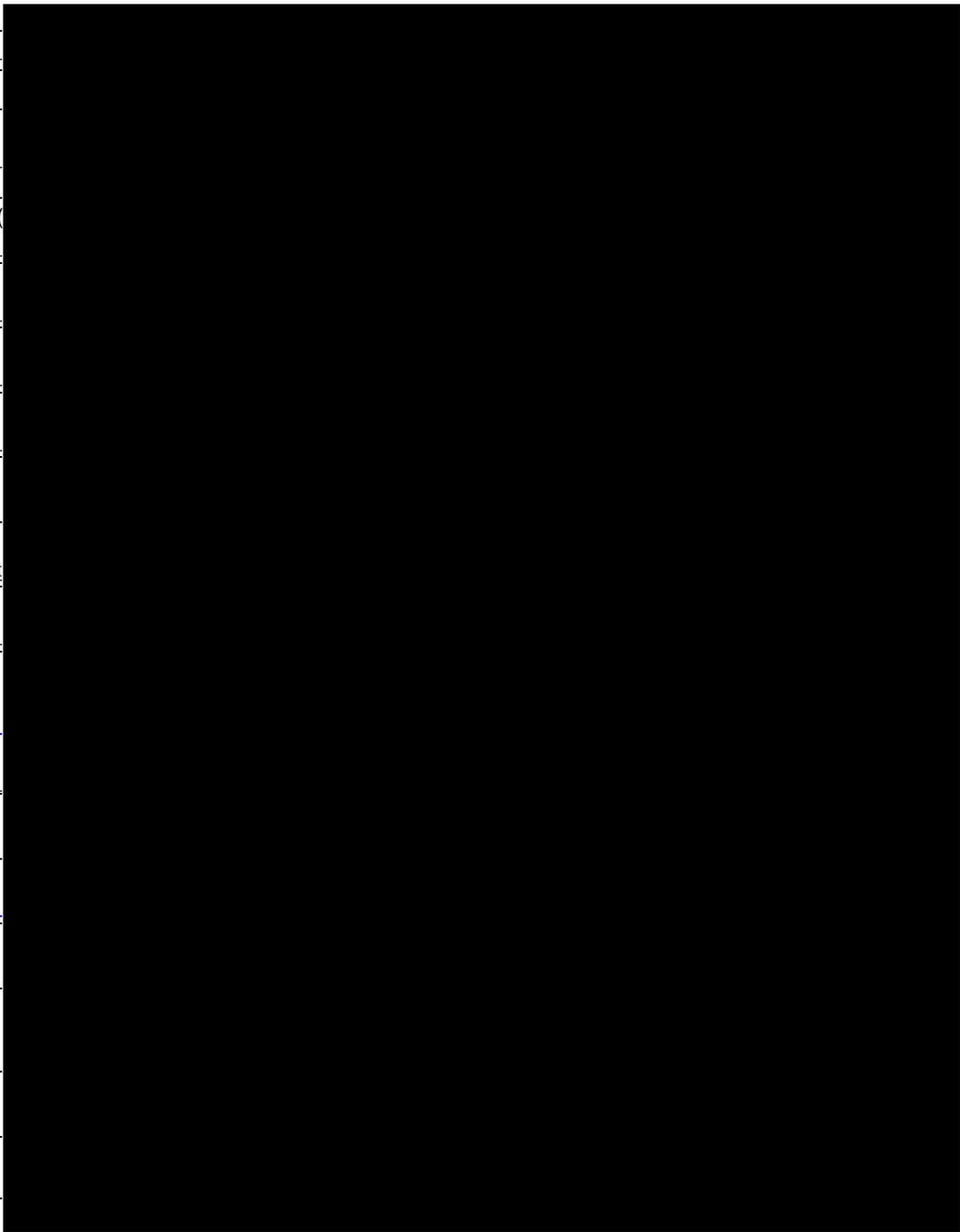
Mosman Local Government Area

Organisation/ Individual	Contact Name	Email Address/ Fax / Phone	Postal Address	Additional information
Metropolitan Local Aboriginal Land Council	Nathan Moran			
Darug Aboriginal Cultural Heritage Assessments	Gordon Morton			
Darug Land Observations	Jamie Workman and Anna Workman			
A1 Indigenous Services	Carolyn Hickey			

Eric Keidge	Eric Keidge
Kamilaroi Yankuntjatjara Working Group	Phil Khan
Tocomwall	Scott Franks
Amanda Hickey Cultural Services	Amanda Hickey
Gunyuu	Kylie Ann Bell
Walbunja	Hika Te Kowhai
Badu	Karia Lea Bond
Goobah Developments	Basil Smith
Wullung	Lee-Roy James Boota
Yerramurra	Robert Parson
Nundagurri	Newton Carriage
Murrumbul	Mark Henry
Jerringong	Joanne Anne Stewart
Pemulwuy CHTS	Pemulwuy Johnson
Bilinga	Simalene Carriage
Munyunga	Kaya Dawn Bell
Wingikara	Hayley Bell
Minnamunnung	Aaron Broad
Walgalu	Ronald Stewart
Thauaira	Shane Carriage
Dharug	Andrew Bond
Gulaga	Wendy Smith
Biamanga	Seli Storer



Callendulla	Corey Smith
Murramarang	Roxanne Smith
DJMD Consultancy	Darren Duncan
Butucarbin Aboriginal Corporation	Jennifer Beale
Didge Ngunawal Clan	Lillie Carroll Paul Boyd
Ginninderra Aboriginal Corporation	Steven Johnson and Krystle Carroll
Wailwan Aboriginal Group	Philip Boney
Barking Owl Aboriginal Corporation	Mrs Jody Kulakowski (Director)
Thoorga Nura	John Carriage (Chief Executive Officer)
Darug Boorooberongal Elders Aboriginal Corporation	Paul Hand (chairperson)
B.H. Heritage Consultants	Ralph Hampton Nola Hampton
Ngambaa Cultural Connections	Kaarina Slater
Goodradigbee Cultural & Heritage Aboriginal Corporation,	Caine Carroll
Mura Indigenous Corporation,	Phillip Carroll
Aragung Aboriginal Cultural Heritage Site Assessments	Jamie Eastwood
Waawaar Awa Aboriginal Corporation	Rodney Gunther
Wori Woilywa	Daniel Chalker



--	--	--	--	--

Meggan Walker

From: Rachel Rewiri <rachel.rewiri3@oralra.nsw.gov.au>
Sent: Wednesday, 10 February 2021 12:16 PM
To: Meggan Walker
Subject: RE: Taronga Zoo - Reptile and Amphibian Conservation Centre (Ref: P0031209) & Wildlife Hospital (Ref: P0031212)
Attachments: Urbis Pty Ltd - Reply Letter 10022021.pdf; Urbis Pty Ltd - Reply Letter 10022021.pdf
Follow Up Flag: Follow up
Flag Status: Flagged

Good Afternoon Meggan,

Please find attached, results as per your Aboriginal Cultural Heritage Assessment request.

Regards

Rachel Rewiri
Project Officer (Aboriginal Owners)
Office of the Registrar, *Aboriginal Land Rights Act 1983*

Ph: 8633 1266
www.oralra.nsw.gov.au

This message is intended for the addressee named and may contain
privileged information or confidential information or both. If you
are not the intended recipient please delete it and notify the sender.

10 February 2021

By email: mwalker@urbis.com.au

Meggan Walker
Urbis Pty Ltd
Level 8, 123 Pitt Street
SYDNEY NSW 2000

Dear Meggan,

Request - Search for Registered Aboriginal Owners

We refer to your email dated 09 February 2021 seeking the identification of Aboriginal organisations and people who may have an interest in the proposed Wildlife Hospital within the grounds of Taronga Zoo, Mosman NSW.

Under Section 170 of the Aboriginal Land Rights Act 1983 the Office of the Registrar is required to maintain the Register of Aboriginal Owners (RAO). A search of the RAO has shown that there are currently no Registered Aboriginal Owners in the project area.

We suggest you contact the Metropolitan Local Aboriginal Land Council on (02) 8394 9666 or via email nmoran@metrolalc.org.au as they may wish to participate.

Yours sincerely



Rachel Rewiri
Project Officer
Office of the Registrar, Aboriginal Land Rights Act 1983

Respects paid to young warrior, taken too soon



WAKA Waka man Dennis Lacey passed away on the Larrakia Homelands in Darwin this month, aged 30.

Friends and family turned to social media to share their thoughts, photos and tributes.

His mother LeeAnne Lacey shared pictures of her son's life and a heartfelt plea.

"To all my sisters, Aunts, Uncles, grandparents and especially mothers who have lost warriors.

"Brothers and sisters who have lost a loved one to Australia, the Parliament and their System we are governed by.

"My Heart, what I've got left goes out to you.

"I'm in deep pain.

"I'm shattered. I will come back fighting.

"My son Dennis Lacey, Wirri Wirri Tjapiltjarri Tjullyarimma Shadow of the Rainbow MorningStar, is a victim of the system, as are all of those who are incarcerated."

His Uncle Klaus Jeffrey also shared his loss.

"Gonna miss you my Neph. Had some good drinks with you and good laughs. Still

can't believe what happened," he said.

Friend Erwin Tjakamarra Seemann said he would miss Dennis terribly.

"I learned painfully about the death of my Bunji Wirri Wirri Tjapiltjarri Tjullyarimma Shadow of the Rainbow MorningStar Dennis Lacey," he said.

"I live in Germany, but I still have an intimate relationship with my large family in Australia and that's why it feels to me that another piece has been torn from my heart. Farewell my beloved Bunji. I will never forget you and I hope that the spirits of our ancestors will receive you with love and take you in. We, your siblings Michael and Warren Tjapiltjarri Tjullyarimma, Kim and Jessica Napiltjarri and I thank you for your stay in this world, which has enriched our lives with your love and care.

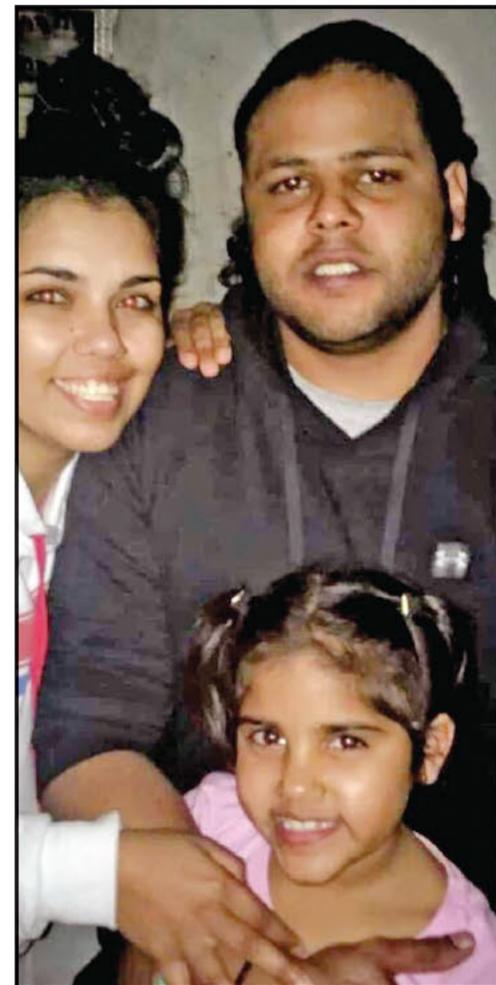
"Farewell my Brother."

The family has asked for assistance in organising the funeral. Details can be found on the Facebook page Dennis Lacey Foundation for the Homeless.

"Please join the group and make human rights law in his honour, for all the fallen warriors and his brothers in arms," LeeAnne said.



Dennis Bradley Lacey. June 1, 1990 – February 6, 2021.



Jessica Johnson, Dennis Lacey and their daughter Yavana.



Taronga Zoo Reptile and Amphibian Conservation Centre NSW Aboriginal Cultural Heritage Assessment – Community Consultation Stage 1

The Taronga Conservation Society Australia (the Proponent) are preparing a State Significant Development Application (SSDA) for the proposed development of a Reptile and Amphibian Conservation Centre within the grounds of Taronga Zoo Bradleys Head Road Mosman Lot 22 DP 843294 NSW Urbis is assisting the Proponent in undertaking an Aboriginal Cultural Heritage Assessment (ACHA) to inform the Environmental Impact Statement for the SSDA

The proponent can be contacted directly via:

Paul De Alwis Project Manager
Corporate Services and Governance
Taronga Conservation Society Australia
02 9978 4527
Pedalwis@zoo.nsw.gov.au

Or

Matthew Spooner Senior
Project Manager Corporate Services and Governance
Taronga Conservation Society Australia
02 9978 4708
mspooner@zoo.nsw.gov.au

In accordance with Section 4.1.3 of the *Aboriginal Cultural Heritage Consultation Requirements for Proponents (DECCW, 2010)* and Clause 80C of the *NSW National Parks and Wildlife Regulation 2009* the Proponent is seeking the registration of Aboriginal persons or groups who may hold cultural knowledge relevant to determining the significance of Aboriginal object(s) and/or place(s) that may be present in the subject area

The purpose of community consultation with Aboriginal people is to assist the Proponent in the preparation of the ACHA and the assessment of the cultural heritage significance of the subject area

Please register your interest in writing to the contact details provided below by 5.00pm 10th March 2021.

Meggan Walker
Urbis Consultant
mwalker@urbis.com.au
02 8233 7626
Level 8 123 Pitt Street Sydney 2000

Please be advised that the Proponent is required to forward the names of Aboriginal persons and groups who register an interest to The Aboriginal Cultural Heritage Regulation Branch Heritage NSW Department of Premier and Cabinet and the Metropolitan Local Aboriginal Land Council; unless the person or group specifies that they do not want their details released



Taronga Wildlife Hospital NSW Aboriginal Cultural Heritage Assessment – Community Consultation Stage 1

The Taronga Conservation Society Australia (the Proponent) are preparing a State Significant Development Application (SSDA) for the proposed development of a Wildlife Hospital within the grounds of Taronga Zoo Bradleys Head Road Mosman Lot 22 DP 843294 NSW Urbis is assisting the Proponent in undertaking an Aboriginal Cultural Heritage Assessment (ACHA) to inform the Environmental Impact Statement for the SSDA

The proponent can be contacted directly via:

Paul De Alwis Project Manager
Corporate Services and Governance
Taronga Conservation Society Australia
02 9978 4527
Pedalwis@zoo.nsw.gov.au

Or

Matthew Spooner Senior
Project Manager Corporate Services and Governance
Taronga Conservation Society Australia
02 9978 4708
mspooner@zoo.nsw.gov.au

In accordance with Section 4.1.3 of the *Aboriginal Cultural Heritage Consultation Requirements for Proponents (DECCW, 2010)* and Clause 80C of the *NSW National Parks and Wildlife Regulation 2009* the Proponent is seeking the registration of Aboriginal persons or groups who may hold cultural knowledge relevant to determining the significance of Aboriginal object(s) and/or place(s) that may be present in the subject area

The purpose of community consultation with Aboriginal people is to assist the Proponent in the preparation of the ACHA and the assessment of the cultural heritage significance of the subject area

Please register your interest in writing to the contact details provided below by 5.00pm 10th March 2021.

Meggan Walker
Urbis Consultant
mwalker@urbis.com.au
02 8233 7626
Level 8 123 Pitt Street Sydney 2000

Please be advised that the Proponent is required to forward the names of Aboriginal persons and groups who register an interest to The Aboriginal Cultural Heritage Regulation Branch Heritage NSW Department of Premier and Cabinet and the Metropolitan Local Aboriginal Land Council; unless the person or group specifies that they do not want their details released

Meggan Walker

From: Meggan Walker
Sent: Monday, 22 February 2021 4:48 PM
To: Balazs Hansel
Cc: Andrew Crisp
Subject: Invitation to register - Taronga Zoo Wildlife Hospital ACHA - Our Ref P0031212
Attachments: P0031212_TarongaWildlifeHospital_Stage1.3Invitation_FNL.pdf

Tracking:	Recipient	Delivery
	Balazs Hansel	
	Andrew Crisp	Delivered: 22/02/2021 4:49 PM

[Redacted recipient list]

Recipient

Delivery



Dear all,

Please see the attached invitation to register interest for an ACHA currently being prepared by Urbis for Taronga Conservation Society Australia for the proposed development of a wildlife hospital at Taronga Zoo, Mosman, NSW .

Please register your interest, preferably by response email, by **5pm 10th March 2021**.

The attached letter is reproduced below.

Kind regards,
Meggan Walker.

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
T +61 2 8233 9900
E mwalker@urbis.com.au

**SHAPING
CITIES AND
COMMUNITIES**



ANGEL PLACE, LEVEL 8, 123 PITT STREET
SYDNEY, NSW 2000, AUSTRALIA

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**ANGEL PLACE
LEVEL 8, 123 PITT STREET
SYDNEY NSW 2000**

URBIS.COM.AU
Urbis Pty Ltd
ABN 50 105 256 228

22 February 2021

To whom it may concern ,

TARONGA ZOO WILDLIFE HOSPITAL - ABORIGINAL CULTURAL HERITAGE ASSESSMENT – ABORIGINAL COMMUNITY CONSULTATION STAGE 1 - INVITATION TO REGISTER

Please be advised that your contact details have been provided by The Aboriginal Cultural Heritage Regulation Branch- Heritage NSW - Department of Premier and Cabinet in accordance with Section 4.1.2 of the *Aboriginal cultural heritage consultation requirements for proponents* (DECCW, 2010) (hereafter referred as the Consultation Requirements) as a potential Aboriginal stakeholder who may have interest in registering to the abovementioned project.

Urbis has been commissioned by Taronga Conservation Society Australia (the Proponent) to conduct an Aboriginal Cultural Heritage Assessment (ACHA) for Taronga Zoo, Bradleys Head Road, Mosman, Lot 22 DP 843294, NSW (hereafter referred to as 'the subject area') (see attached figure). This is in relation to the establishment of a Wildlife Hospital within the grounds of the zoo.

This project is to be submitted to the Department of Planning, Industry and Environment (DPIE) as a State Significant Development Application (SSDA). The ACHA process is being commenced prior to the receipt of the Secretary's Environmental Assessment Requirements (SEARs) due to strict timeframes, however it is anticipated that the SEARs will require an ACHA to form part of the Environmental Impact Statement (EIS) for this project.

The ACHA is to be carried out in accordance with relevant guidelines under *the National Parks and Wildlife Act 1974* (NPW Act), including *the Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW* (OEH 2011). The assessment would detail any potential Aboriginal cultural heritage resources within the subject area and provide recommendations regarding management of those resources.

The Proponent can be contacted via:

Paul De Alwis
Project Manager, Corporate Services and Governance
Taronga Conservation Society Australia

██████████
████████████████████

OR

Matthew Spooner
Senior Project Manager, Corporate Services and Governance
Taronga Conservation Society Australia

██████████
████████████████████



In accordance with the Consultation Requirements and Clause 80C of the *NSW National Parks and Wildlife Regulation 2009*, the Proponent will conduct a community consultation process with registered Aboriginal people to assist with the preparation of the ACHA.

In accordance with Section 4.1.2 of the Consultation Requirements Urbis proposes to invite Aboriginal people and/or organisations who may hold cultural knowledge relevant to determining the significance of Aboriginal objects and/or places that may exist within the subject area.

Should you wish to register your interest in this project, please respond in writing by clearly stating your interest and nominating a contact person by **10th March 2021**. Please send responses to the following:

Meggan Walker
Urbis
Consultant
mwalker@urbis.com.au
02 8233 7626
Level 8, 123 Pitt Street, Sydney, 2000.

Please be advised that, as per the Consultation Requirements, the Proponent is required to forward the names of Aboriginal persons and groups who register an interest (Registered Aboriginal Parties) to the Metropolitan Local Aboriginal Land Council and Department of Planning, Industry and Environment, unless the person or group specifies that they do not want their details released.

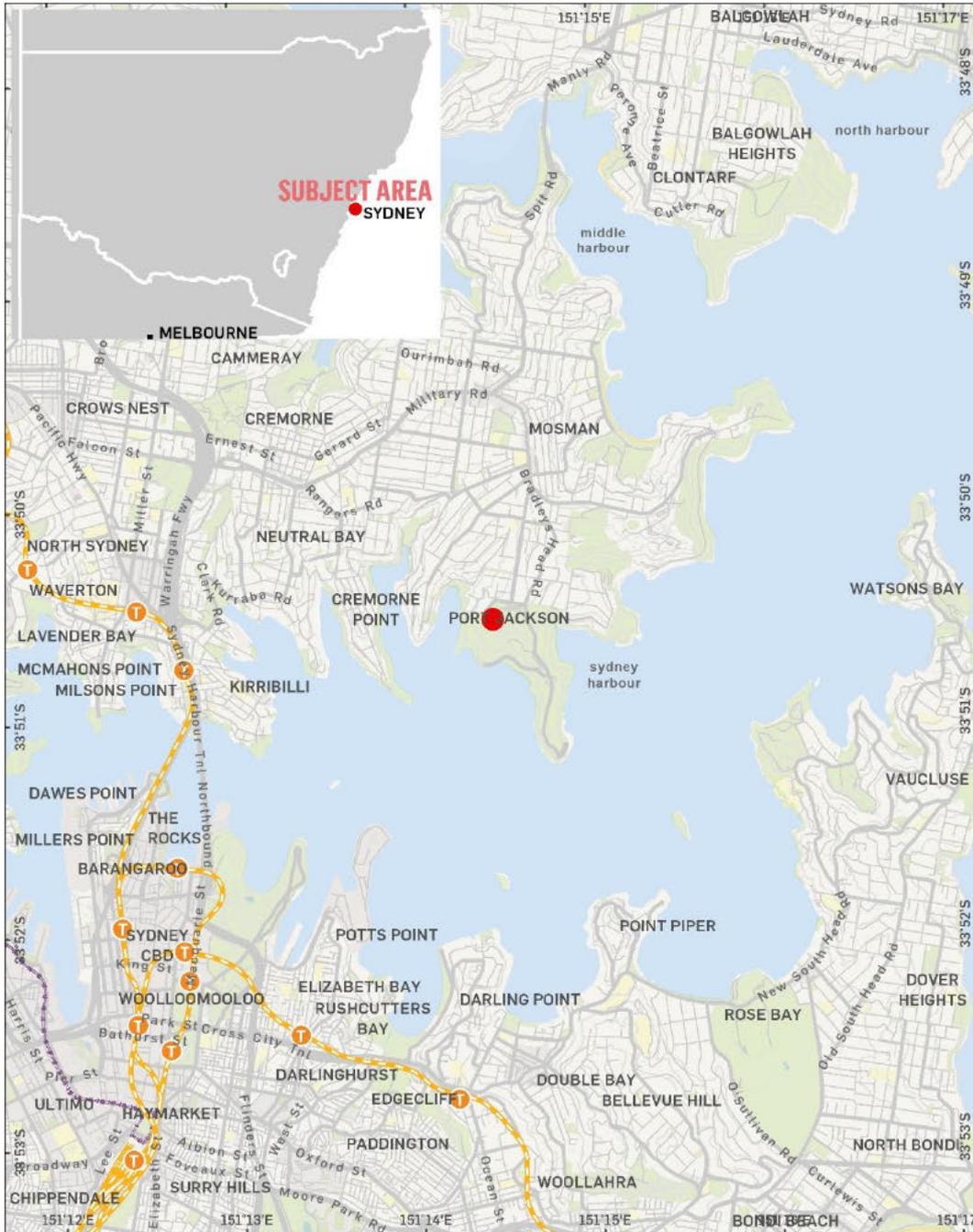
Please be advised that in accordance to Section 3.4 of the Consultation Requirements, inclusion in the consultation process does not automatically result in paid site assessment. The decision on who is engaged for delivering particular services is decided by the proponent and will be based on a range of considerations including skills, relevant experience, and providing necessary certificates of currency.

Please do not hesitate to contact us should you have any queries in relation to the provided information.

Yours sincerely,

A handwritten signature in blue ink, appearing to read "M Walker".

Meggan Walker
Consultant
+61 2 8233 7626
mwalker@urbis.com.au



GDA 1994 MGA Zone 58

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1 KM

Project No: P0031212
Project Manager: Balazs Hansel

Subject Area

REGIONAL LOCATION

NSW Centre for Conservation and Wildlife Rescue,
Taronga Zoo, Bradley's Head Road, Mosman NSW
Taronga Conservation Society Australia

Figure 1 – Regional Location of the Subject Area

Meggan Walker

From: Carolyn .H <cazadirect@live.com>
Sent: Monday, 22 February 2021 11:13 PM
To: Meggan Walker
Subject: Re: Invitation to register - Taronga Zoo Wildlife Hospital ACHA - Our Ref P0031212
Attachments: A1.WC2022.pdf; A1.PL2022.pdf

Follow Up Flag: Follow up
Flag Status: Flagged



INDIGENOUS SERVICES PTY LTD

Contact: Carolyn Hickey



Hi,
Thank you for your email, I would like to register in being involved in all levels of consultation for this project, such as, Meetings, Reports, Sharing Cultural Information, and available Field Work.

I've had many years' experience in helping preserve Aboriginal cultural heritage on projects, I hold cultural knowledge relevant to determining the cultural significance of Aboriginal objects and values that exist in the project area.

I have attached A1 Indigenous Services Insurances.

Please feel free to contact me on details supplied
Kind Regards,
Carolyn Hicke

From: Meggan Walker <mwalker@urbis.com.au>
Sent: Monday, 22 February 2021 4:48 PM
To: Balazs Hansel <bhansel@urbis.com.au>
Cc: Andrew Crisp <acrisp@urbis.com.au>
Subject: Invitation to register - Taronga Zoo Wildlife Hospital ACHA - Our Ref P0031212

Dear all,

Please see the attached invitation to register interest for an ACHA currently being prepared by Urbis for Taronga Conservation Society Australia for the proposed development of a wildlife hospital at Taronga Zoo, Mosman, NSW .

Please register your interest, preferably by response email, by **5pm 10th March 2021**.

The attached letter is reproduced below.

Kind regards,
Meggan Walker.

MEGGAN WALKER

CONSULTANT

D +61 2 8233 7626

T +61 2 8233 9900

E mwalker@urbis.com.au

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Meggan Walker

From: Butucarbin Heritage <butuheritage@gmail.com>
Sent: Thursday, 11 March 2021 2:21 AM
To: Meggan Walker
Subject: Re: Invitation to register - Taronga Zoo Wildlife Hospital ACHA - Our Ref P0031212

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Meggan,
On behalf of Butucarbin, I would like to register for the project in relation to Taronga Zoo.

Kind regards,

On Mon, Feb 22, 2021 at 4:48 PM Meggan Walker <mwalker@urbis.com.au> wrote:

Dear all,

Please see the attached invitation to register interest for an ACHA currently being prepared by Urbis for Taronga Conservation Society Australia for the proposed development of a wildlife hospital at Taronga Zoo, Mosman, NSW .

Please register your interest, preferably by response email, by **5pm 10th March 2021**.

The attached letter is reproduced below.

Kind regards,

Meggan Walker.

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
T +61 2 8233 9900
E mwalker@urbis.com.au

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--

Lowanna Gibson
Project Manager for Butucarbin Cultural Heritage Assessments
B.A Archaeology/Anthropology USYD
Juris Doctor Candidate UTS

Meggan Walker

From: lilly carroll <didgengunawalclan@yahoo.com.au>
Sent: Monday, 22 February 2021 4:51 PM
To: Meggan Walker; Balazs Hansel
Cc: Andrew Crisp
Subject: Re: Invitation to register - Taronga Zoo Wildlife Hospital ACHA - Our Ref P0031212

Contact person is either Joelene Smith or Paul Boyd Cheers

[Sent from Yahoo Mail for iPhone](#)

On Monday, February 22, 2021, 4:49 pm, lilly carroll <didgengunawalclan@yahoo.com.au> wrote:

Hi Meggan

DNC would like to register an interest into Taronga zoo project

Kind regards
Paul Boyd & Lilly Carroll



[Sent from Yahoo Mail for iPhone](#)

On Monday, February 22, 2021, 4:48 pm, Meggan Walker <mwalker@urbis.com.au> wrote:

Dear all,

Please see the attached invitation to register interest for an ACHA currently being prepared by Urbis for Taronga Conservation Society Australia for the proposed development of a wildlife hospital at Taronga Zoo, Mosman, NSW .

Please register your interest, preferably by response email, by **5pm 10th March 2021**.

The attached letter is reproduced below.

Kind regards,

Meggan Walker.

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
T +61 2 8233 9900
E mwalker@urbis.com.au

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Meggan Walker

From: lilly carroll <didgengunawalclan@yahoo.com.au>
Sent: Monday, 22 February 2021 4:50 PM
To: Meggan Walker; Balazs Hansel
Cc: Andrew Crisp
Subject: Re: Invitation to register - Taronga Zoo Wildlife Hospital ACHA - Our Ref P0031212

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Meggan

DNC would like to register an interest into Taronga zoo project

Kind regards
Paul Boyd & Lilly Carroll

Directors

42

[Sent from Yahoo Mail for iPhone](#)

On Monday, February 22, 2021, 4:48 pm, Meggan Walker <mwalker@urbis.com.au> wrote:

Dear all,

Please see the attached invitation to register interest for an ACHA currently being prepared by Urbis for Taronga Conservation Society Australia for the proposed development of a wildlife hospital at Taronga Zoo, Mosman, NSW .

Please register your interest, preferably by response email, by **5pm 10th March 2021**.

The attached letter is reproduced below.

Kind regards,

Meggan Walker.

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
T +61 2 8233 9900
E mwalker@urbis.com.au



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Meggan Walker

From: Ginninderra Aboriginal Corporation <ginninderra.corp@gmail.com>
Sent: Tuesday, 23 February 2021 11:02 AM
To: Meggan Walker
Subject: Re: Invitation to register - Taronga Zoo Wildlife Hospital ACHA - Our Ref P0031212

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Meggan,

Thank you for your email.

Please register Ginninderra Aboriginal Corporation for the above mentioned project.

All of our site officers have their white cards/insurances, and have extensive experience in surveys, excavations, sieving and recording of archaeological information.

We prefer to be contacted by email on [REDACTED] The postal address for Ginninderra AC is [REDACTED]

I myself will be the contact, and my mobile number is [REDACTED].

Please let me know if there is anything else you require.

Krystle :)

Kind regards,

Krystle Carroll-Elliott
Ginninderra Aboriginal Corporation
M: [0451016224](tel:0451016224)

 [REDACTED] *of Country throughout Australia and recognise their connection to land, water, and community.*
We pay our respects to them, their cultures, and to Elders past and present.

On 22 Feb 2021, at 4:48 pm, Meggan Walker <mwalker@urbis.com.au> wrote:

Dear all,

Please see the attached invitation to register interest for an ACHA currently being prepared by Urbis for Taronga Conservation Society Australia for the proposed development of a wildlife hospital at Taronga Zoo, Mosman, NSW .

Please register your interest, preferably by response email, by **5pm 10th March 2021**.

The attached letter is reproduced below.

Kind regards,
Meggan Walker.

MEGGAN WALKER

CONSULTANT

<image001.gif>

D +61 2 8233 7626

T +61 2 8233 9900

E mwalker@urbis.com.au

<image002.png>

<image004.png><image006.png><image008.png><image010.png>

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<P0031212_TarongaWildlifeHospital_Stage1.3Invitation_FNL.pdf>

Meggan Walker

From: Goobah <goobahchts@gmail.com>
Sent: Friday, 5 March 2021 12:08 PM
To: Meggan Walker
Subject: Re: Invitation to register - Taronga Zoo Wildlife Hospital ACHA - Our Ref P0031212

Follow Up Flag: Follow up
Flag Status: Flagged

Please accept my expression of interest with Aboriginal Cultural Heritage Assessment (ACHA) for Taronga Zoo, Bradleys Head Road, Mosman, Lot 22 DP 843294, NSW and wish to be kept in the loop of any further developments.

On Mon, Feb 22, 2021 at 4:48 PM Meggan Walker <mwalker@urbis.com.au> wrote:

Dear all,

Please see the attached invitation to register interest for an ACHA currently being prepared by Urbis for Taronga Conservation Society Australia for the proposed development of a wildlife hospital at Taronga Zoo, Mosman, NSW .

Please register your interest, preferably by response email, by **5pm 10th March 2021**.

The attached letter is reproduced below.

Kind regards,

Meggan Walker.

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
T +61 2 8233 9900
E mwalker@urbis.com.au

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--

Regards

Basil Smith
Chairperson/CEO
GOOBAH

Contact Details:

[Redacted contact details]

[Redacted contact details]

[Redacted contact details]



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Meggan Walker

From: Gulaga <gulagachts@gmail.com>
Sent: Thursday, 4 March 2021 8:16 PM
To: Meggan Walker
Subject: Re: Invitation to register - Taronga Zoo Reptile and Amphibian Conservation Centre ACHA - Our Ref P0031209

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Meggan,

My apologies, can you please register Gulaga for both the RACC and the Wildlife Hospital.

Kind Regards
Wendy Smith



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On Thu, Mar 4, 2021 at 4:04 PM Meggan Walker <mwalker@urbis.com.au> wrote:

Hi Wendy,

We just wanted to confirm – are you registering for both the RACC and Wildlife Hospital projects, or just the RACC project?

Kind regards,

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
T +61 2 8233 9900
E mwalker@urbis.com.au

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From: Gulaga <gulagachts@gmail.com>
Sent: Monday, 22 February 2021 5:55 PM
To: Meggan Walker <mwalker@urbis.com.au>
Subject: Re: Invitation to register - Taronga Zoo Reptile and Amphibian Conservation Centre ACHA - Our Ref P0031209

Hi Meggan,

Can you please register Gulaga for this project.

Kind Regards

Wendy Smith

Cultural Heritage Officer





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On Mon, Feb 22, 2021 at 4:48 PM Meggan Walker <mwalker@urbis.com.au> wrote:

Dear all,

Please see the attached invitation to register interest for an ACHA currently being prepared by Urbis for Taronga Conservation Society Australia for the proposed development of a Reptile and Amphibian Conservation Centre (RACC) at Taronga Zoo, Mosman, NSW .

Please register your interest, preferably by response email, by **5pm 10th March 2021**.

The attached letter is reproduced below.

Kind regards,

Meggan

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
T +61 2 8233 9900
E mwalker@urbis.com.au

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Meggan Walker

From: philip khan <philipkhan.acn@live.com.au>
Sent: Tuesday, 23 February 2021 11:53 AM
To: Meggan Walker
Subject: RE: Invitation to register - Taronga Zoo Wildlife Hospital ACHA - Our Ref P0031212
Attachments: Public Liability Kamilaroi 2021 to 2022.pdf; ICARE workers comp. insurance Kamilaroi Yankuntjatjara Working Group 2021.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Meggan,

Thank you for informing us that **Urbis** will be involved in an Aboriginal Cultural Heritage Assessment at **Taronga Zoo Wildlife Hospital** &, that you are inviting Aboriginal organisations to register, if they wish too be involved in the community consultation process.

As a senior Aboriginal person for the past 40yrs, I actively participate in the protection of the Aboriginal Cultural Heritage throughout the Sydney Basin, & particularly throughout Western Sydney, on behalf of Kamilaroi Yankuntjatjara Working Group I wish to provide to you my organisation's registration of interest.

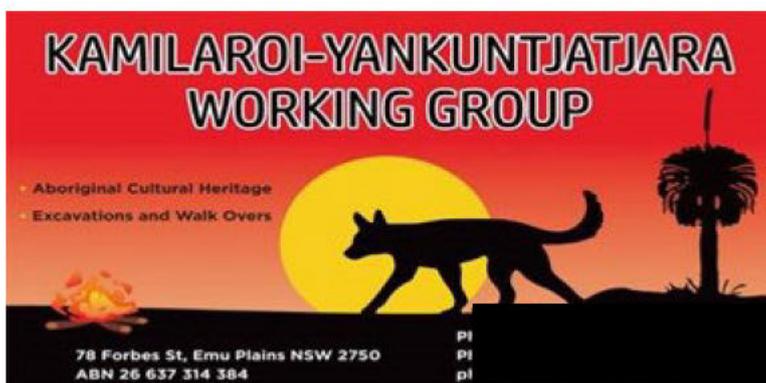
I wish to be involved & participate in all levels of consultation/project involvement. I wish to attend all meetings, participate in available field work & receive a copy of the report.

I have attached a copy of Kamilaroi Yankuntjatjara Working group's Public Liability Insurance & Workers Compensation certificate.

[REDACTED])
Our RAPS have up to 15yrs Cultural Heritage experience in – field work which involves manual excavation (digging), sieving, identifying artefacts, setting up transits, setting up equipment, packing equipment, site surveys & attending meetings.

Should you wish me to provide further information, please do not hesitate to contact me on 0434545982 or Stefeanie on 0451068480.

Kind Regards
Phil Khan



Sent from [Mail](#) for Windows 10

From: [Meggan Walker](#)

Sent: Monday, 22 February 2021 4:48 PM

To: [Balazs Hansel](#)

Cc: [Andrew Crisp](#)

Subject: Invitation to register - Taronga Zoo Wildlife Hospital ACHA - Our Ref P0031212

Dear all,

Please see the attached invitation to register interest for an ACHA currently being prepared by Urbis for Taronga Conservation Society Australia for the proposed development of a wildlife hospital at Taronga Zoo, Mosman, NSW .

Please register your interest, preferably by response email, by **5pm 10th March 2021**.

The attached letter is reproduced below.

Kind regards,

Meggan Walker.

MEGGAN WALKER

CONSULTANT

D +61 2 8233 7626

T +61 2 8233 9900

E mwalker@urbis.com.au

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Meggan Walker

From: Darleen Johnson <murrabidgeemullangari@yahoo.com.au>
Sent: Wednesday, 24 February 2021 2:34 PM
To: Meggan Walker
Subject: registration= Taronga Zoo reptile and amphibian conservation centre and Taronga Wildlife Hospital NSW

Follow Up Flag: Follow up
Flag Status: Flagged

Dear Meggan,
Can you please register our corporation for the above projects, we have the cultural knowledge of identifying aboriginal objects and or places in the project area.

Kind regards
Ryan Johnson

Meggan Walker

From: Kaarina Slater <Ngambaaculturalconnections@hotmail.com>
Sent: Friday, 26 February 2021 11:04 AM
To: Meggan Walker; Balazs Hansel
Cc: Andrew Crisp
Subject: Re: Invitation to register - Taronga Zoo Wildlife Hospital ACHA - Our Ref P0031212

Follow Up Flag: Follow up
Flag Status: Flagged

Ngamba Cultural Connection would like to register an interest for the above project.

Experienced indigenous site officer & current insurances.

Cheers

Kaarina Slater
Manager
[REDACTED]

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From: Meggan Walker <mwalker@urbis.com.au>
Sent: Monday, February 22, 2021 4:48:13 PM
To: Balazs Hansel <bhansel@urbis.com.au>
Cc: Andrew Crisp <acrisp@urbis.com.au>
Subject: Invitation to register - Taronga Zoo Wildlife Hospital ACHA - Our Ref P0031212

Dear all,

Please see the attached invitation to register interest for an ACHA currently being prepared by Urbis for Taronga Conservation Society Australia for the proposed development of a wildlife hospital at Taronga Zoo, Mosman, NSW .

Please register your interest, preferably by response email, by **5pm 10th March 2021**.

The attached letter is reproduced below.

Kind regards,
Meggan Walker.

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
T +61 2 8233 9900
E mwalker@urbis.com.au

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Meggan Walker

From: Phillip Boney <Waarlan12@outlook.com>
Sent: Tuesday, 23 February 2021 9:03 PM
To: Meggan Walker
Subject: Re: Invitation to register - Taronga Zoo Wildlife Hospital ACHA - Our Ref P0031212

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Meggan,

Phil here. I would like to register for this project. Thank you.

Regards, Phil Boney
Wailwan Aboriginal Group

From: Meggan Walker <mwalker@urbis.com.au>
Sent: Sunday, 21 February 2021 9:48 PM
To: Balazs Hansel <bhansel@urbis.com.au>
Cc: Andrew Crisp <acrisp@urbis.com.au>
Subject: Invitation to register - Taronga Zoo Wildlife Hospital ACHA - Our Ref P0031212

Dear all,

Please see the attached invitation to register interest for an ACHA currently being prepared by Urbis for Taronga Conservation Society Australia for the proposed development of a wildlife hospital at Taronga Zoo, Mosman, NSW .

Please register your interest, preferably by response email, by **5pm 10th March 2021**.

The attached letter is reproduced below.

Kind regards,
Meggan Walker.

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
T +61 2 8233 9900
E mwalker@urbis.com.au

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Meggan Walker

From: Meggan Walker
Sent: Monday, 24 May 2021 2:39 PM
To: OEH HD Heritage Mailbox
Cc: Balazs Hansel; Alexandra Ribeny
Subject: ACHA Stage 1.6 - List of RAPs- Taronga Wildlife Hospital and Reptile and Amphibian Conservation Centre
Attachments: 01_DPC_Stage1.6_TarongaWildlifeHospital.pdf; DPC_Stage1.6_TarongaRACC.pdf

Hello all,

Please find attached the Stage 1.6 notice for the Taronga Zoo Wildlife Hospital and Reptile and Amphibian Conservation Centre ACHAs currently in preparation by Urbis. Please let us know if you have any questions.

Kind regards,

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626

E mwalker@urbis.com.au

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**ANGEL PLACE
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Urbis Pty Ltd
ABN 50 105 256 228

24 May 2021

Department of Premier and Cabinet
Heritage NSW
Aboriginal Branch
heritagemailbox@environment.nsw.gov.au

To whom it may concern,

**ABORIGINAL CULTURAL HERITAGE ASSESSMENT –TARONGA ZOO
WILDLIFE HOSPITAL – STAGE 1.6: LIST OF REGISTERED ABORIGINAL
PARTIES AND NOTIFICATION LETTER**

In accordance with Section 4.1.6 of the *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW, 2010) please find below the compiled list of Registered Aboriginal Parties (RAPs) and notification letter under Section 4.1.3 for the abovementioned project.



Table 1 – List of Registered Aboriginal Parties

Name	Contact	Updated
Metropolitan Local Aboriginal Land Council (MLALC)	Selina Timothy	N
A1 Indigenous Services (A1)	Carolyn Hickey	N
Kamilaroi Yankuntjatjara Working Group	Phil Khan	N
Didge Ngunawal Clan	Lillie Carroll and Paul Boyd	N
Ginninderra Aboriginal Corporation (GAC)	Steven Johnson and Krystle Carroll	N
Wailwan Aboriginal Group (WAG)	Philip Boney	N
Ngambaa Cultural Connections (NCC)	Kaarina Slater	N
Dennis Foley	Dennis Foley	Y – would like to be included in consultation
Butucarbin Aboriginal Coproration (BAC)	Jennifer Beale	N
MurraBidgeeMullangari	Ryan johnson	N
Gulaga	Wendy Smith	N
Goobah	Basil Smith	N

Please note Dennis Foley has indicated he would like to be included on the Mosman Local Government Area Potential Stakeholders list as supplied to proponents by the Department.

Please do not hesitate to contact us should you have any queries in relation to the provided information.

Yours sincerely,

Meggan Walker
Consultant
+61 2 8233 7626
mwalker@urbis.com.au



APPENDIX A

NOTIFICATION LETTER



**ANGEL PLACE
LEVEL 8, 123 PITT STREET
SYDNEY NSW 2000**

URBIS.COM.AU
Urbis Pty Ltd
ABN 50 105 256 228

22 February 2021

To whom it may concern ,

TARONGA ZOO WILDLIFE HOSPITAL - ABORIGINAL CULTURAL HERITAGE ASSESSMENT – ABORIGINAL COMMUNITY CONSULTATION STAGE 1 - INVITATION TO REGISTER

Please be advised that your contact details have been provided by The Aboriginal Cultural Heritage Regulation Branch- Heritage NSW - Department of Premier and Cabinet in accordance with Section 4.1.2 of the *Aboriginal cultural heritage consultation requirements for proponents* (DECCW, 2010) (hereafter referred as the Consultation Requirements) as a potential Aboriginal stakeholder who may have interest in registering to the abovementioned project.

Urbis has been commissioned by Taronga Conservation Society Australia (the Proponent) to conduct an Aboriginal Cultural Heritage Assessment (ACHA) for Taronga Zoo, Bradleys Head Road, Mosman, Lot 22 DP 843294, NSW (hereafter referred to as 'the subject area') (see attached figure). This is in relation to the establishment of a Wildlife Hospital within the grounds of the zoo.

This project is to be submitted to the Department of Planning, Industry and Environment (DPIE) as a State Significant Development Application (SSDA). The ACHA process is being commenced prior to the receipt of the Secretary's Environmental Assessment Requirements (SEARs) due to strict timeframes, however it is anticipated that the SEARs will require an ACHA to form part of the Environmental Impact Statement (EIS) for this project.

The ACHA is to be carried out in accordance with relevant guidelines under *the National Parks and Wildlife Act 1974* (NPW Act), including *the Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW* (OEH 2011). The assessment would detail any potential Aboriginal cultural heritage resources within the subject area and provide recommendations regarding management of those resources.

The Proponent can be contacted via:

Paul De Alwis
Project Manager, Corporate Services and Governance
Taronga Conservation Society Australia
02 9978 4527
Pedalwis@zoo.nsw.gov.au

OR

Matthew Spooner
Senior Project Manager, Corporate Services and Governance
Taronga Conservation Society Australia
02 9978 4708
[mspooner@zoo.nsw.gov.au](mailto:m Spooner@zoo.nsw.gov.au)



In accordance with the Consultation Requirements and Clause 80C of the *NSW National Parks and Wildlife Regulation 2009*, the Proponent will conduct a community consultation process with registered Aboriginal people to assist with the preparation of the ACHA.

In accordance with Section 4.1.2 of the Consultation Requirements Urbis proposes to invite Aboriginal people and/or organisations who may hold cultural knowledge relevant to determining the significance of Aboriginal objects and/or places that may exist within the subject area.

Should you wish to register your interest in this project, please respond in writing by clearly stating your interest and nominating a contact person by **10th March 2021**. Please send responses to the following:

Meggan Walker
Urbis
Consultant
mwalker@urbis.com.au
02 8233 7626
Level 8, 123 Pitt Street, Sydney, 2000.

Please be advised that, as per the Consultation Requirements, the Proponent is required to forward the names of Aboriginal persons and groups who register an interest (Registered Aboriginal Parties) to the Metropolitan Local Aboriginal Land Council and Department of Planning, Industry and Environment, unless the person or group specifies that they do not want their details released.

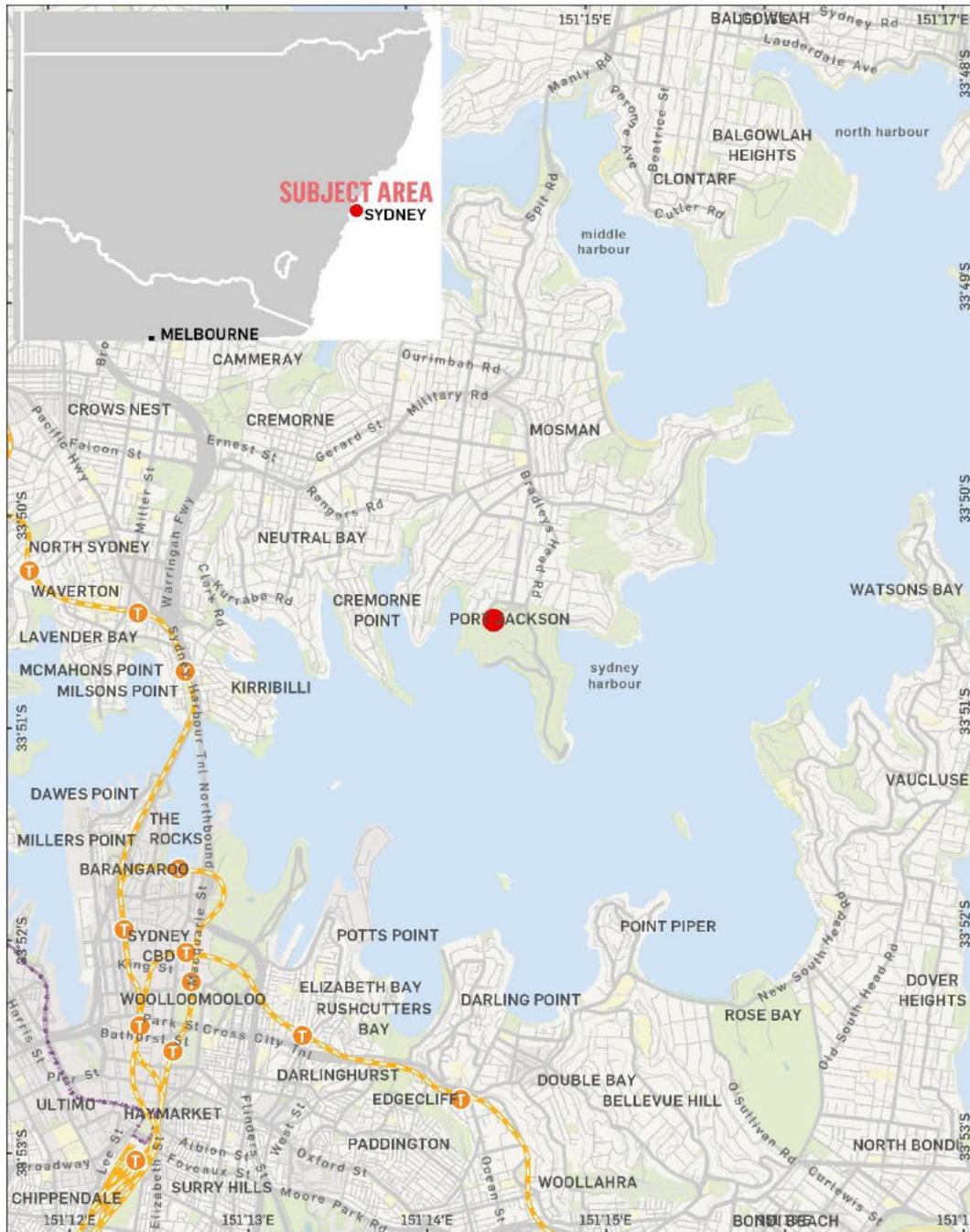
Please be advised that in accordance to Section 3.4 of the Consultation Requirements, inclusion in the consultation process does not automatically result in paid site assessment. The decision on who is engaged for delivering particular services is decided by the proponent and will be based on a range of considerations including skills, relevant experience, and providing necessary certificates of currency.

Please do not hesitate to contact us should you have any queries in relation to the provided information.

Yours sincerely,

A handwritten signature in blue ink, appearing to read "M Walker".

Meggan Walker
Consultant
+61 2 8233 7626
mwalker@urbis.com.au



GDA 1994 MGA Zone 58

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1 KM

Project No: P0031212
Project Manager: Balazs Hansel

Subject Area

REGIONAL LOCATION

NSW Centre for Conservation and Wildlife Rescue,
Taronga Zoo, Bradley's Head Road, Mosman NSW
Taronga Conservation Society Australia

Figure 1 – Regional Location of the Subject Area

Meggan Walker

From: Meggan Walker
Sent: Monday, 24 May 2021 2:39 PM
To: 'ceo@metrolalc.org.au'; Office Admin MLALC
Cc: Balazs Hansel; Alexandra Ribeny
Subject: ACHA Stage 1.6 - List of RAPs- Taronga Wildlife Hospital and Reptile and Amphibian Conservation Centre
Attachments: LALC_Stage1.6_TarongaWildlifeHospital.pdf; LALC_Stage1.6_TarongaRACC.pdf

Hello all,

Please find attached the Stage 1.6 notice for the Taronga Zoo Wildlife Hospital and Reptile and Amphibian Conservation Centre ACHAs currently in preparation by Urbis. Please let us know if you have any questions.

Kind regards,

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626

E mwalker@urbis.com.au

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CITIES AND
COMMUNITIES**



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SYDNEY NSW 2000**

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Urbis Pty Ltd
ABN 50 105 256 228

24 May 2021

Nathan Moran
CEO
Metropolitan Local Aboriginal Land Council
Via Email:
ceo@metrolalc.org.au

To whom it may concern,

**ABORIGINAL CULTURAL HERITAGE ASSESSMENT –TARONGA ZOO
WILDLIFE HOSPITAL – STAGE 1.6: LIST OF REGISTERED ABORIGINAL
PARTIES AND NOTIFICATION LETTER**

In accordance with Section 4.1.6 of the *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW, 2010) please find below the compiled list of Registered Aboriginal Parties (RAPs) and notification letter under Section 4.1.3 for the abovementioned project.



Table 1 – List of Registered Aboriginal Parties

Name	Contact
Metropolitan Local Aboriginal Land Council (MLALC)	Selina Timothy
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Kamilaroi Yankuntjatjara Working Group	Phil Khan
Didge Ngunawal Clan	Lillie Carroll and Paul Boyd
Ginninderra Aboriginal Corporation (GAC)	Steven Johnson and Krystle Carroll
Wailwan Aboriginal Group (WAG)	Philip Boney
Ngambaa Cultural Connections (NCC)	Kaarina Slater
Butucarbin Aboriginal Coproration (BAC)	Jennifer Beale
MurraBidgeeMullangari	Ryan Johnson
Gulaga	Wendy Smith
Goobah	Basil Smith

Please do not hesitate to contact us should you have any queries in relation to the provided information.

Yours sincerely,

A handwritten signature in blue ink, appearing to read "M Walker".

Meggan Walker
Consultant
+61 2 8233 7626
mwalker@urbis.com.au



APPENDIX A

NOTIFICATION LETTER



**ANGEL PLACE
LEVEL 8, 123 PITT STREET
SYDNEY NSW 2000**

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Urbis Pty Ltd
ABN 50 105 256 228

22 February 2021

To whom it may concern ,

TARONGA ZOO WILDLIFE HOSPITAL - ABORIGINAL CULTURAL HERITAGE ASSESSMENT – ABORIGINAL COMMUNITY CONSULTATION STAGE 1 - INVITATION TO REGISTER

Please be advised that your contact details have been provided by The Aboriginal Cultural Heritage Regulation Branch- Heritage NSW - Department of Premier and Cabinet in accordance with Section 4.1.2 of the *Aboriginal cultural heritage consultation requirements for proponents* (DECCW, 2010) (hereafter referred as the Consultation Requirements) as a potential Aboriginal stakeholder who may have interest in registering to the abovementioned project.

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This project is to be submitted to the Department of Planning, Industry and Environment (DPIE) as a State Significant Development Application (SSDA). The ACHA process is being commenced prior to the receipt of the Secretary's Environmental Assessment Requirements (SEARs) due to strict timeframes, however it is anticipated that the SEARs will require an ACHA to form part of the Environmental Impact Statement (EIS) for this project.

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The Proponent can be contacted via:

Paul De Alwis
Project Manager, Corporate Services and Governance
Taronga Conservation Society Australia

██████████
████████████████████

OR

Matthew Spooner
Senior Project Manager, Corporate Services and Governance
Taronga Conservation Society Australia

██████████
████████████████████



In accordance with the Consultation Requirements and Clause 80C of the *NSW National Parks and Wildlife Regulation 2009*, the Proponent will conduct a community consultation process with registered Aboriginal people to assist with the preparation of the ACHA.

In accordance with Section 4.1.2 of the Consultation Requirements Urbis proposes to invite Aboriginal people and/or organisations who may hold cultural knowledge relevant to determining the significance of Aboriginal objects and/or places that may exist within the subject area.

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Meggan Walker
Urbis
Consultant
mwalker@urbis.com.au
02 8233 7626
Level 8, 123 Pitt Street, Sydney, 2000.

Please be advised that, as per the Consultation Requirements, the Proponent is required to forward the names of Aboriginal persons and groups who register an interest (Registered Aboriginal Parties) to the Metropolitan Local Aboriginal Land Council and Department of Planning, Industry and Environment, unless the person or group specifies that they do not want their details released.

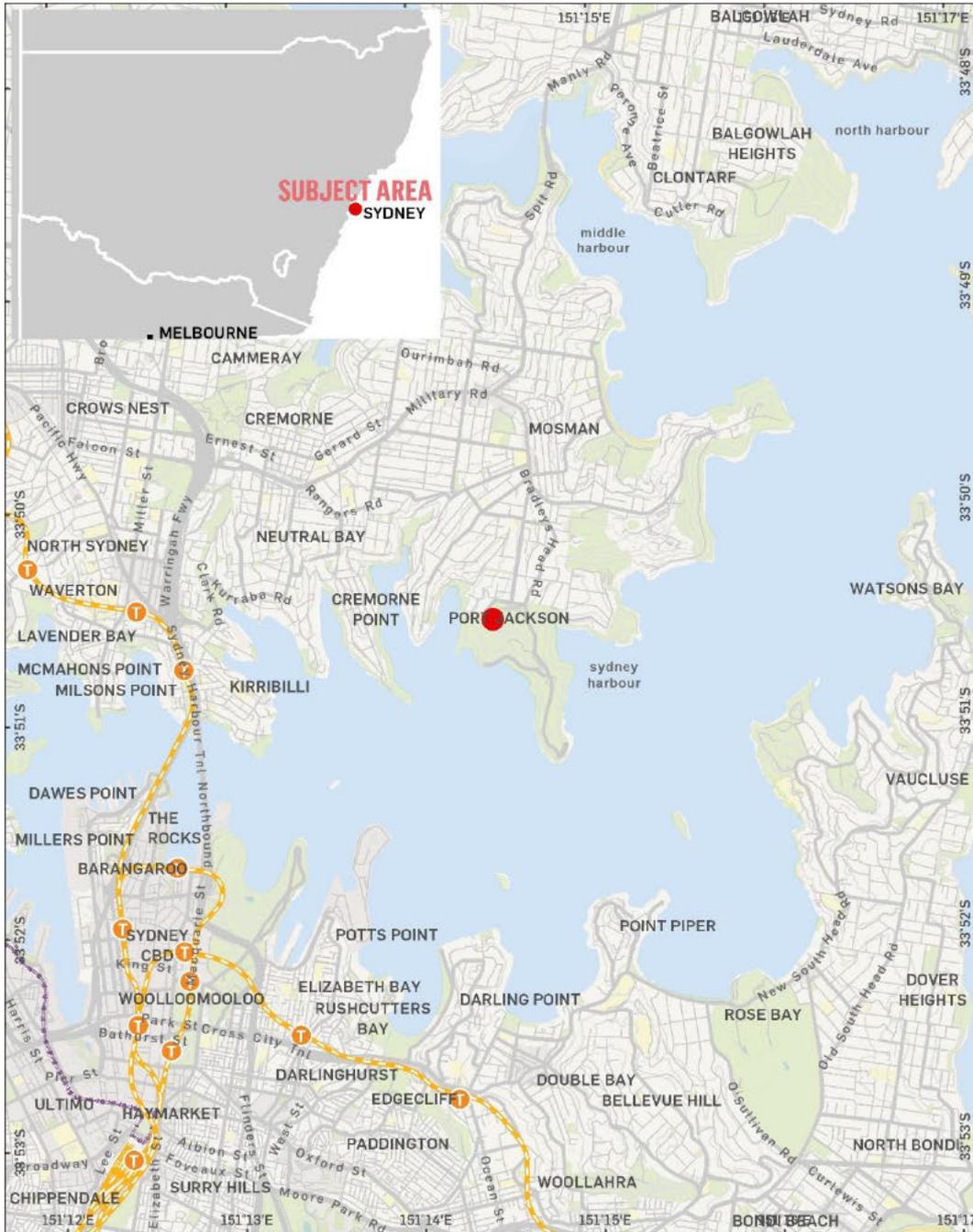
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Please do not hesitate to contact us should you have any queries in relation to the provided information.

Yours sincerely,

A handwritten signature in blue ink, appearing to read "M Walker", with a stylized flourish at the end.

Meggan Walker
Consultant
+61 2 8233 7626
mwalker@urbis.com.au



GDA 1994 MGA Zone 58

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1 KM
 Project No: P0031212
 Project Manager: Balazs Hansel
 Subject Area

REGIONAL LOCATION
 NSW Centre for Conservation and Wildlife Rescue,
 Taronga Zoo, Bradley's Head Road, Mosman NSW
 Taronga Conservation Society Australia

Figure 1 – Regional Location of the Subject Area

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**ANGEL PLACE
LEVEL 8, 123 PITT STREET
SYDNEY NSW 2000**

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ABN 50 105 256 228

7th June 2021

Dear All,

ABORIGINAL CULTURAL HERITAGE ASSESSMENT - TARONGA WILDLIFE HOSPITAL - STAGE 2 PRESENTATION OF INFORMATION & STAGE 3 GATHERING INFORMATION ABOUT CULTURAL SIGNIFICANCE

1. BACKGROUND

Thank you for registering your interest in this project.

Urbis have been engaged by Taronga Conservation Society Australia (TSCA) to prepare an Aboriginal Cultural Heritage Assessment (ACHA) for a State Significant Development Application (SSDA #17655146) for the proposed redevelopment of facilities within Taronga Zoo to create the Taronga Wildlife Hospital. This will involve the demolition of existing structures including the meerkat enclosure and cantilevered footpath, and the construction of new building, as well as landscaping works. The Secretary's Environmental Assessment Requirements (SEARs) for this SSDA have been received and include the following requirement:

Heritage

an Aboriginal Cultural Heritage Assessment Report in accordance with relevant guidelines, identifying, describing and assessing any impacts for any Aboriginal cultural heritage values on the site, including archaeology.

The purpose of the community consultation is to assist the Proponent in the preparation of an ACHA Report (ACHAR) to develop an understanding of the cultural significance of the area.

The present communication seeks to provide all registered Aboriginal parties (RAPs) with information about the scope of the proposed project and the proposed ACHA process, in accordance with Section 4.2.1 of the *Aboriginal cultural heritage consultation requirements for proponents 2010* (Department of Environment, Climate Change and Water NSW) ('the Consultation Requirements'). It is further aimed at facilitating a process for RAPs to: (a) contribute to culturally appropriate information gathering and research methodology; (b) provide information that will enable the cultural significance of Aboriginal objects and/or places within or near the proposed project to be determined; and (c) have input into the development of any cultural heritage management options, in accordance with Section 4.2.2 of the Consultation Requirements.

In addition to giving broad consideration to the Aboriginal Cultural Heritage of the subject area, the ACHA process will focus on the following matters:

- The Aboriginal cultural heritage values of the wider Taronga Zoo site and Bradley's Head Peninsula.

1.1. DETAILS OF THE DEVELOPMENT

Taronga Zoo is located at Bradleys Head Road, Mosman and is situated in the Mosman Local Government area (LGA). The site is bounded by Bradleys Head Road to the east, Athol Wharf Road and Sydney Harbour to the south, Little Sirius Cove to the west and Whiting Beach Road to the north.

Taronga Zoo is legally described as Lot 22 on DP843294 and is Crown Land managed by the TCSA (the Taronga Conservation Society Australia).

The proposed Wildlife Hospital is located within the north western portion of the zoo, primarily within the back-of-house area and the existing reptile house, with some public domain works proposed. The public domain works include the area currently occupied by one of the few remaining remnant natural bushland areas of the zoo, with identified sandstone outcrops and overhangs present.

The design is still in preliminary form and may change following further investigations undertaken during the SSSA process. The location of facilities has been carefully chosen to ensure there are minimal impacts on current biosecurity protocols for the site and adequate access is provided to the new Wildlife Hospital.

General, proposed works will include the following:

- Demolition of the existing Serpentaria and Reptile House.
- Demolition of existing back of house facilities.
- Site preparation works.
- Construction of new Wildlife Hospital.
- Public domain works.

Concept plans for the proposed works are included below.



Figure 2 – Proposed building footprint and demolition plan.

Source: Taronga Zoo AMP, 2004.

1.2. PROJECT HISTORY

The decision to undertake the redevelopment of the subject area for the Taronga Wildlife Hospital is informed by the overall masterplan prepared for the Zoo. This developed a staged capital works program including the development of the Reptile and Amphibian Conservation Centre, the Taronga Wildlife Hospital, The Upper Australia Habitat, the Taronga Platypus Conservation Centre, the Congo Forest and the African Savannah Precinct. The currently proposed works at Taronga Zoo are scheduled to occur over the next 3-4 years. Each project will likely be undertaken as a State Significant Development Application owing to the nature of the works. An ACHA was prepared by Urbis in 2020 for the Upper Australia Habitat, and is currently in preparation for the Reptile and Amphibian Conservation Centre. The African Savannah Precinct and Congo Forest have also been subject to Aboriginal archaeological investigation, undertaken by Dominic Steel Consulting Archaeology in 2017.

2. ARCHAEOLOGICAL CONTEXT

2.1.1. Aboriginal Heritage Information Management System (AHIMS)

The AHIMS database comprises previously registered Aboriginal archaeological objects and cultural heritage places in NSW and it is managed by the Department of Planning, Industry and Environment (DPIE) under Section 90Q of the *National Parks and Wildlife Act 1974* (NPW Act).

Aboriginal objects are the official terminology in AHIMS for Aboriginal archaeological sites. From this point in the assessment forward the terms of 'Aboriginal sites', 'AHIMS sites' or 'sites' will be used to describe the nature and spatial distribution of archaeological resources in relation to the subject area.

The search of the AHIMS was carried out on 9th February 2021 (Client Service ID: 566678) for an area of approximately 2 km². The search found no registered Aboriginal sites within or adjacent to the subject area.

The search results are shown on Figure 4, discussed in Table 1 and Figure 3, and included as Appendix A.

AHIMS Search Results (CSID: 566678)

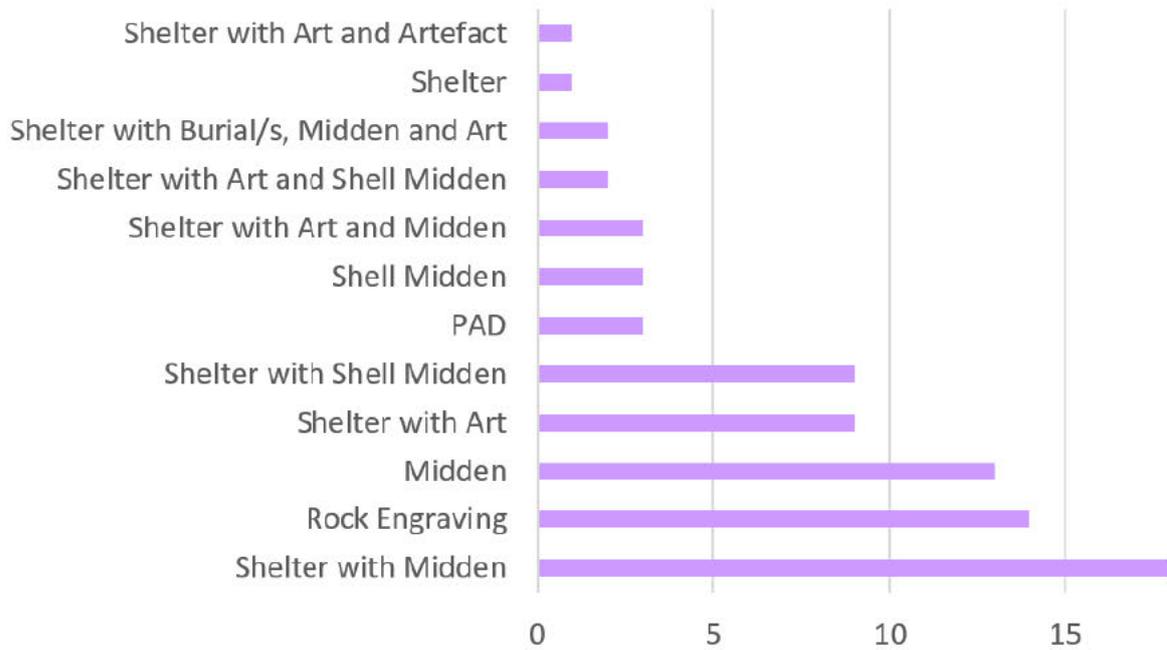


Figure 3 – AHIMS search results (Client Service ID: 566678)

Table 1 – AHIMS search results (Client Service ID: 566678)

Site Type	Number	Percentage
Shelter with Midden	18	23.1%
Rock Engraving	14	17.9%
Midden	13	16.7%
Shelter with Art	9	11.5%
Shelter with Shell Midden	9	11.5%
PAD	3	3.8%
Shell Midden	3	3.8%
Shelter with Art and Midden	3	3.8%
Shelter with Art and Shell Midden	2	2.6%
Shelter with Burial/s, Midden and Art	2	2.6%
Shelter	1	1.3%

Site Type	Number	Percentage
Shelter with Art and Artefact	1	1.3%
Total	78	100%

In the above table, 'shell midden' describes a shell deposits which contains exclusively shell as identified on the AHIMS site card, whereas 'midden' described a deposit containing both culturally modified lithics and shell.

The types of sites identified reflect the landscape and environment of the search area. 'Open' context sites are sites which occur in open space, whereas 'closed' context sites are those which occur within rock shelters. Closed context sites dominated the search results, comprising 58% (n=45). This is due to the general topography and geology of the site, where sandstone outcrops are common. As a results, site which are dependent on sandstone (including shelter sites and rock engravings) comprised 79% (n=62) of search results. These site types are typically indicative of habitation and long term occupation across the area. Shelters are sites of habitation, and typically correlate with additional archaeological resources including art, shell middens and artefacts.

40% (n=31) of registered sites within the search area contained art. Art within shelters, typically in the form of pigment applied to the shelter wall, comprised 55% (n=17) of art sites, while rock engravings in open context comprised 45% (n=14) of art sites. Pigment art is typically associated with areas of habitation and sustenance, while engravings are typically located on flat sandstone outcrops, on ridges where vistas occur. All art sites are indicative of prolonged use and occupation/habitation within an area, and typically are of high cultural significance due to their rarity, caused by post-settlement destruction and natural erosion and wear processes. Art sites within shelters often correlate with middens, artefacts and burials.

Middens are sites containing deposits of edible shell indicative of habitation, sustenance and resource extraction. Middens are typically located within shelters and/or in close proximity to watercourses where edible shells were extracted and subsequently processed. Midden may represent a single meal or an accumulation over a long period of time involving many different activities. Shell middens are delineated in this report as containing exclusively shell, whereas 'Middens' refers to sites which also contain culturally modified lithics (stone artefacts).

Burials are commonly found within middens and sand bodies. Aboriginal burial of the dead often took place relatively close to camp site locations. Burials are highly culturally significant and strongly protected under legislation. Sites containing human remains comprised 2.6% (n=2) of site types within the search area, with the remains identified within shelters with middens and art.

Sites containing stone artefacts comprised 47% (n=37) of site types. This included artefacts in open and closed context, with scatters of varying densities and associated with other materials. Artefact scatter sites are sites with multiple culturally modified lithics within a 10m area. Artefact scatters range in size; from small, low intensity, 'background' scatter, to large scatters of hundreds of artefacts, with accompanying materials which would indicate use of the area for long term habitation purposes.

Potential Archaeological Deposits (PAD) sites comprised 3.8% (n=3) of results, and occurred only in isolation across the search area, rather than being associated with other sites. PADs typically represent areas where the environmental context and level of disturbance are such that subsurface remains are deemed to be likely, and the registering of PADs is usually followed by test excavation which will either realise this potential through the identification of sites, or result in the de-registering of the area due to the absence of materials. PADs are typically registered within areas where deposits indicative of habitation are anticipated to occur.



It should be noted that the AHIMS register does not represent a comprehensive list of all Aboriginal objects or sites in a specified area. It lists recorded sites identified during previous archaeological survey effort. The wider surroundings of the subject area have experienced various levels and intensity of archaeological investigations during the last few decades. Most of the registered sites have been identified through targeted, pre-development surveys for infrastructure and maintenance works, with the restrictions on extent and scope of those developments.

Furthermore, it is important to note that archaeological sites alone will not provide the full context of how Aboriginal people might have used the landscape in the past and how their every day and ceremonial activities shaped the landscape and provided the cultural connection to the natural environment. Archaeological resources comprise only one aspect (tangible) of Aboriginal cultural heritage and intangible cultural heritage provides a more holistic context of past and present Aboriginal life.



Figure 4 – Registered Aboriginal sites in search area

2.1.2. Aboriginal Archaeological Management Plan

There is an existing Aboriginal Archaeological Management Plan (AMP) for the wider Taronga Zoo Park. This was prepared in 2004 by GML. The Archaeological Management Plan assessed the archaeological, environmental and historical land use context of the Taronga Zoo site to inform a system by which the zoo was divided into Management Zones which correlated to archaeological potential and thus management strategies for potential Aboriginal archaeological sites. 5 zones were identified, discussed in the table below.

Table 2 – Management Zones

Zone	Description	Corresponding Potential
1	Identified Art Site	High
2	Unassessed area outside Zoo boundary wall	N/A
3	Rock surface unmodified by European development. Areas of original bushland unmodified by European development.	High
4	Areas heavily modified by European Development.	Medium to Low
5	Areas which have previously been excavated down to bedrock, or culturally sterile soils.	Nil

Source: GML, 2004.

The Taronga Zoo AMP identifies the subject area within the following zones (Figure 8):

- Zone 3 (within the public domain area):
- Zone 4 (within the proposed Taronga Wildlife Hospital area):
- Zone 5 (within the proposed Taronga Wildlife Hospital area):

Accordingly, the subject area is registered as having nil-moderate Aboriginal archaeological potential in the area proposed for the Taronga Wildlife Hospital and high Aboriginal archaeological potential in the area proposed for public domain works according to this assessment.

Management strategies identified for these zones include preliminary test excavation in Zone 3 where disturbance is proposed, and an AHIP to be obtained if relics identified. Management strategies for Zone 4 and 5 include an Archaeological Induction for all contractors if subsurface disturbance is proposed and a chance find procedure developed.

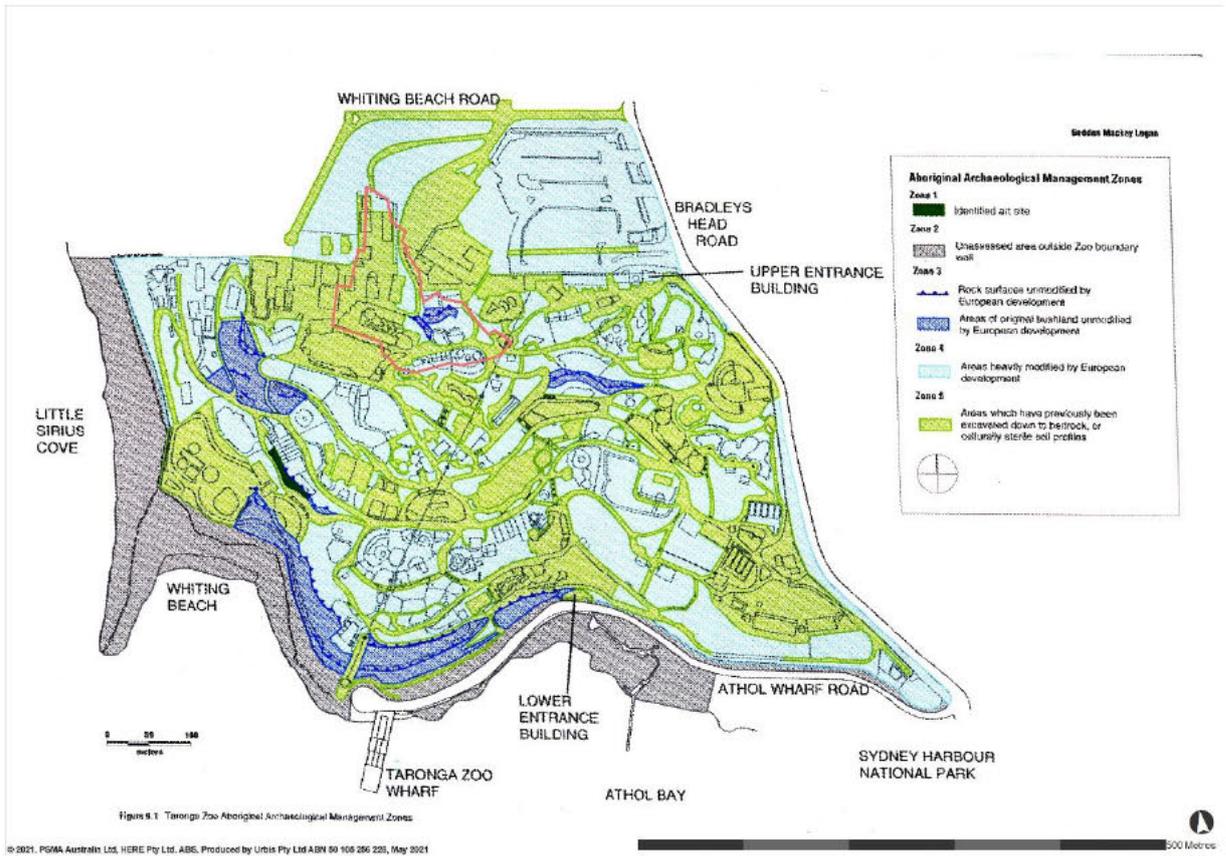


Figure 5 – Aboriginal Archaeological Management Zones

Source: Taronga Zoo AMP, 2004.

3. ENVIRONMENTAL CONTEXT

3.1. GEOLOGY AND SOILS

The subject area is located within the Sydney Basin Bioregion. The underlying geology of the Mosman area consists of Triassic Hawkesbury Sandstone, which is exposed along the shoreline (Chapman & Murphy 1989). The Hawkesbury Sandstone is a medium to coarse-grained quartz sandstone with minor shale and laminite lenses. The subject area is located on a peninsula which extends south into Port Jackson (Sydney Harbour).

The subject area is located within the Gynea soil landscape (gy), which consists of undulating to rolling rises and low hills on Hawkesbury Sandstone. Soils consist of shallow to moderately deep (30-100 cm) Yellow Earths and Earthy Sands on crests and inside of benches, shallow (<20 cm) Siliceous Sands on leading edges of benches, localised Gleyed Podzolic Soils and Yellow Podzolic Soils on shale lenses and shallow to moderately deep (<100 cm) Siliceous Sands and Leached Sands along drainage lines (Figure 6).

The depth of natural soils is relevant to the potential for archaeological deposits to be present, especially in areas where disturbance is high. Most of the Mosman area is highly disturbed as a result of moderate density residential development during the 20th Century.

3.2. TOPOGRAPHY

The wider Taronga Zoo area is characterised by the presence of intersecting sandstone ledges that sloped towards the harbour foreshore. The site has been subject to high levels of disturbance relating to its use as a zoo, which necessitated the creation of level building terraces by cutting and filling sections of the sandstone bedrock. While the majority of the subject area has been heavily modified, there are some portions which retain unmodified sandstone outcrops and faces, as well as remnant original bushland.

3.3. HYDROLOGY

Taylor's Gully drains into the harbour approximately 450m to the east of the subject area. There is currently a highly modified creek to the north of the subject area which feeds the wetlands ponds. Generally, water exhibits were located across the Zoo in areas of previous gully's or creeks.

3.4. HISTORICAL LAND USE

Portions of the subject area have been heavily impacted by disturbance associated with the former and existing zoo facilities including incinerator, reptile house, paths, crocodile enclosure and storage/back-of-house sheds. However, the subject area does contain a stand of remnant bushland unimpacted by contemporary uses of the site. This patch of bushland also includes remnant unmodified sandstone outcrops and walls. This portion of intact remnant bushland extends from the Crocodile exhibit and reptile house to the Koala exhibit in the north east. Disturbance in this area is generally low, however where zoo facilities are currently present disturbance is anticipated to be moderate-high.

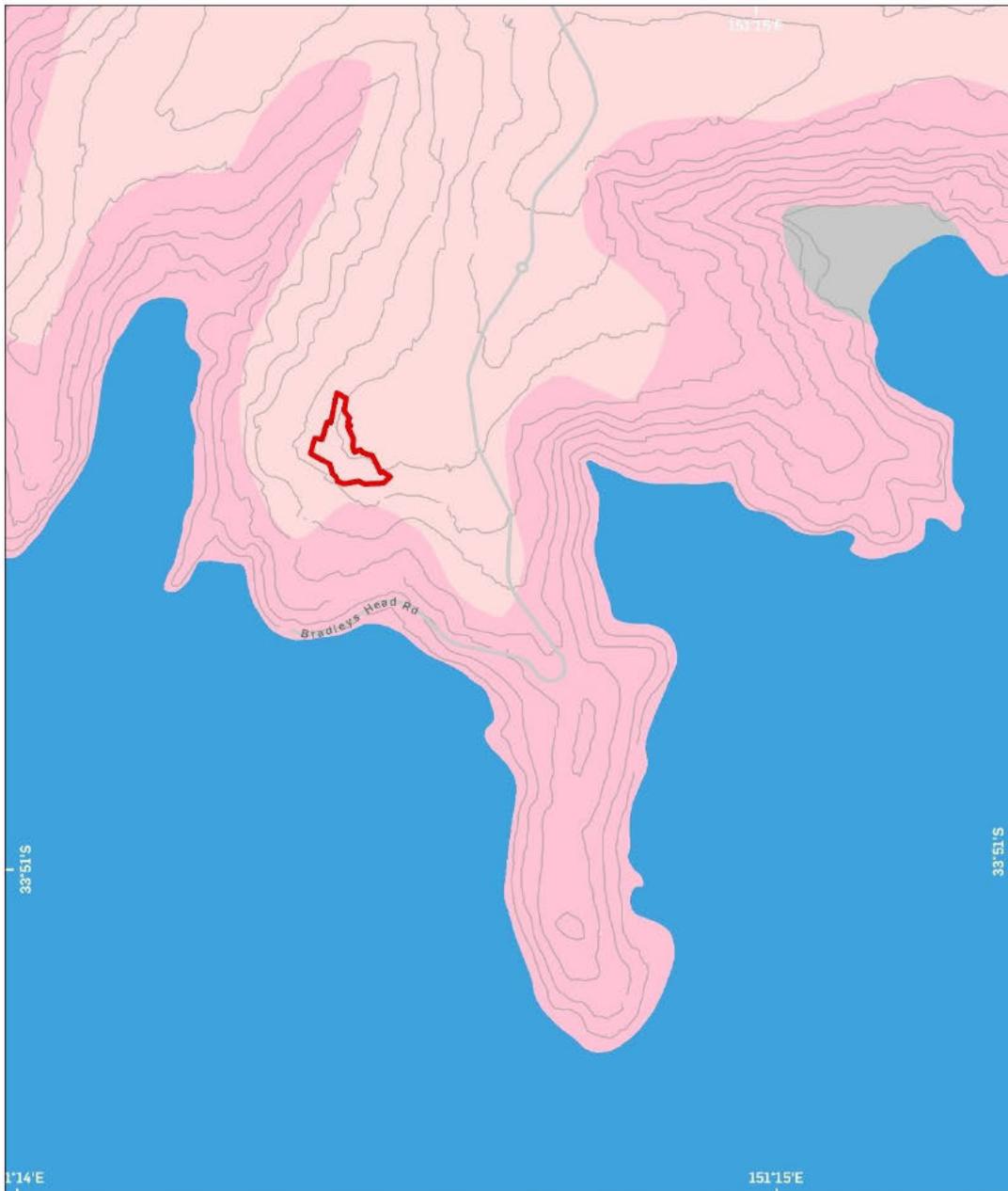


Figure 6 – Soils landscapes and hydrology

4. METHODOLOGY

The proposed impact assessment process for the ACHA, including the input points into the investigation and assessment activities for RAPs, is outlined below, in accordance with Section 4.2.2(b) of the Consultation Requirements.

The ACHA will be conducted in accordance with Part 6 of the *National Parks and Wildlife Act 1974* ('NPW Act'), Part 5 of the *National Parks and Wildlife Regulation 2019* ('NPW Reg') and will adhere to the following guidelines:

- The Consultation Requirements.
- *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales* (Department of Environment, Climate Change and Water NSW, 2010).
- *Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in New South Wales* (Office of Environment and Heritage, Department of Premier and Cabinet, 2011).
- *The Burra Charter: The Australia ICOMOS Charter for Places of Cultural Significance* (Australia ICOMOS, 2013).

The ACHA will follow the general methodology described in Table 3 below.

Table 3 – Aboriginal cultural heritage assessment methodology

Process Method	Description
Desktop assessment	Collection and evaluation of background information, including archaeological and historical resources and environmental conditions, to develop a predictive model for archaeological potential.
Consultation with RAPs	Providing information on the project to RAPs and gathering information about the proposed methodology and the Aboriginal cultural heritage values and significance of the subject area.
Site inspection with RAPs (if approved by Proponent)	On-site meeting including site inspection of the subject area with the RAPs to allow further opportunity for cultural information to be provided and for the RAPs to familiarise themselves with the subject area and discuss the archaeological approach.
Preparation of draft ACHA report	Synthesis of all information collected during the ACHA process to prepare a draft assessment report and provision of the draft report to the Proponent and the RAPs for comments. The report will include an assessment of significance of any Aboriginal objects or Aboriginal cultural heritage values that may exist within the subject area, an



Process Method	Description
	impact assessment and provide management and mitigation measures.
Finalisation of ACHA report	Incorporation of all comments from the Proponent and RAPs into ACHA report and finalisation.

Urbis welcomes input and information from the RAPs at any stage throughout the entire process of the ACHA. Consistent with the Consultation Requirements, the formal input points for the consultation are the following:

- During Stage 2 and 3 – Following review of the current communication, which presents information about the proposed project and ACHA methodology.
- During Stage 2 and 3 – During or following the onsite inspection, should such an inspection be approved by the Proponent.
- During Stage 4 – Following review of the draft ACHA.

The critical timelines for the above stages are provided in Section 5 below.

4.1. ROLES, FUNCTIONS AND RESPONSIBILITIES

The roles, functions and responsibilities of the proponent and RAPs are defined below, in accordance with Section 4.2.2(d) of the Consultation Requirements.

The roles, functions and responsibilities of the Proponent, Urbis (acting on behalf of the Proponent), RAPs and any other parties involved in the consultation process are those defined in Section 5 of the Consultation Requirements.

Please note that, in accordance with Section 3.4 of the Consultation Requirements, consultation does not include the employment of Aboriginal people to assist in field assessment and/or site monitoring. Furthermore, there is no obligation on the Proponent to employ Aboriginal people registered for consultation. Aboriginal people may provide services to the Proponent through a contractual arrangement separate to the consultation process. Consultation will continue irrespective of potential or actual employment opportunities for Aboriginal people.

4.2. GATHERING CULTURAL INFORMATION

Urbis is providing the opportunity for RAPs to identify, raise and discuss their cultural concerns, perspectives and assessment requirements (if any), in accordance with Section 4.2.2(e) of the Consultation Requirements.

Urbis is actively seeking information on the cultural heritage and cultural significance of the subject area. Such information includes the existence of any Aboriginal objects of cultural value to Aboriginal people in or near the subject area and the existence of any places of cultural value to Aboriginal people in or near the subject area (whether declared under s.84 of the NPW Act or not), including places of social, spiritual and cultural value, historic places with cultural significance and potential places/areas of historic, social, spiritual and/or cultural significance.



Please also consider the following when providing information:

- Do you have information on any Aboriginal objects within or near the subject area?
- Do you or somebody you know have information of cultural values, stories in relation to the subject area and if that information can be shared?

If you or your organisation has sensitive or restricted public access information for determining or managing the heritage values of the subject area, it is proposed that the proponent will manage this information (if provided by the Aboriginal community) in accordance with a sensitive cultural information management protocol. It is anticipated that the protocol will include making note of and managing the material in accordance with the following key limitations as advised by Aboriginal people at the time of the information being provided:

- Any restrictions on access of the material.
- Any restrictions on communication of the material (confidentiality).
- Any restrictions on the location/storage of the material.
- Any cultural recommendations on handling the material.
- Any names and contact details of persons authorised within the relevant Aboriginal group to make decisions concerning the Aboriginal material and degree of authorisation.
- Any details of any consent given in accordance with customary law.
- Any access and use by the RAPs of the cultural information in the material.

Please consider the above list when providing your recommendations regarding any culturally sensitive information.

4.3. QUESTIONNAIRE

To streamline information gathering during Stage 2 and 3, and to inform the proponent for any field inspection component, Urbis requests the following information from you:

1. **Cultural connection:** Please describe the nature of your cultural connection to the country on which the subject area is situated. Please include any relevant cultural knowledge or knowledge of Aboriginal objects or places within the subject area. Have you ever lived in or near the subject area? If you are a Traditional Owner, please state this clearly.
2. **Representing your community members:** Please state who you or your organisation represents. Do you or your organisation represent other members of the Aboriginal community? If so, please describe how information is provided to the other members, and how their information and knowledge may be provided back to the proponent and Urbis.
3. **Previous experience:** Please list your relevant (for example, in the area of the proposed project) previous experience in providing cultural heritage advice and survey participation.
4. **Schedule of Rates:** Please provide your Certificate of Currency including Product and Public Liability Insurance and Worker's Compensation. Please also include a schedule of rates (hourly/half day/day) for fieldwork participation, and include any expenses you may expect to incur, and these will be sought to be reimbursed. Please note that it is for the discretion for the proponent to decide if they invite RAPs for site works and the consultation process does not guarantee paid employment.



The above questions are provided as a questionnaire in Appendix B for your convenience.

5. CRITICAL TIMELINES

The critical timelines and milestones for the completion of the ACHA and delivery of reports are presented i



Table 4 below, in accordance with Section 4.2.2(c) of the Consultation Requirements. Please note that the presented timeframes are estimates only and are intended as a guided to allow forward planning of personnel and resources.



Table 4 – Critical timelines

Project Stage	Deadline
Stage 2 and 3: Provision of comments on the provided project information and proposed methodology (this document).	5 th July 2021
Stage 3: Site survey (if agreed to by proponent).	On or after 6 th July 2021
Stage 4: Provision of the draft ACHA report (including the proposed management and mitigation measures) to the RAPs.	Within 2 business days of the site inspection (anticipated 9 th July 2021)
Stage 4: Provision of comments on draft ACHA report.	Within 28 days from delivery of the draft ACHA to RAPs (anticipated 6 th August 2021)
Stage 4: Finalisation of the ACHA report including the consideration of all comments and feedback.	Within one week of the closing of the comment period for the draft ACHA report.

Please provide the requested information by **Close of Business 5th July 2021**.

Comments received after this date might be excluded from the draft ACHA. Please provide your comments in writing to

Meggan Walker
Consultant
Urbis
Level 8, 123 Pitt Street
mwalker@urbis.com.au
02 8233 7626

If you have any questions, please do not hesitate to contact us.

Yours sincerely,

Meggan Walker
Consultant
+61 2 8233 7626
mwalker@urbis.com.au



APPENDIX A

AHIMS RESULTS – BASIC AND EXTENSIVE

Urbis Pty Ltd - Angel Place L8 123 Pitt Street

Date: 09 February 2021

Level 8 123 Angel Street
Sydney New South Wales 2000

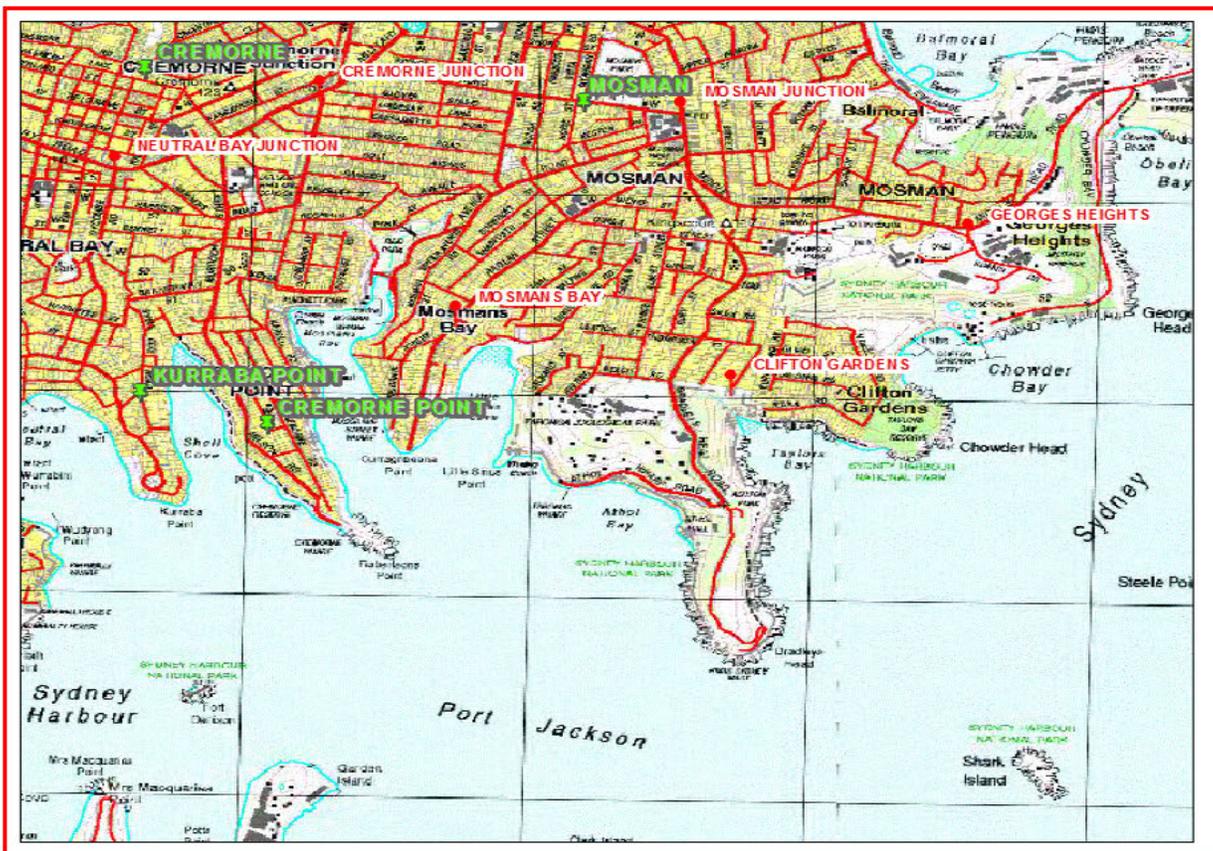
Attention: Meggan Walker

Email: mwalker@urbis.com.au

Dear Sir or Madam:

AHIMS Web Service search for the following area at Datum :GDA, Zone : 56, Eastings : 335270 - 339270, Northings : 6251829 - 6255829 with a Buffer of 0 meters, conducted by Meggan Walker on 09 February 2021.

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 the Office of the Environment and Heritage AHIMS Web Services (Aboriginal Heritage Information Management System) has shown that:

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

If your search shows Aboriginal sites or places what should you do?

- You must do an extensive search if AHIMS has shown that there are Aboriginal sites or places recorded in the search area.
- If you are checking AHIMS as a part of your due diligence, refer to the next steps of the Due Diligence Code of practice.
- You can get further information about Aboriginal places by looking at the gazettal notice that declared it. Aboriginal places gazetted after 2001 are available on the [NSW Government Gazette \(http://www.nsw.gov.au/gazette\)](http://www.nsw.gov.au/gazette) website. Gazettal notices published prior to 2001 can be obtained from Office of Environment and Heritage's Aboriginal Heritage Information Unit upon request

Important information about your AHIMS search

- The information derived from the AHIMS search is only to be used for the purpose for which it was requested. It is not to be made available to the public.
- AHIMS records information about Aboriginal sites that have been provided to Office of Environment and Heritage and Aboriginal places that have been declared by the Minister;
- Information recorded on AHIMS may vary in its accuracy and may not be up to date. Location details are recorded as grid references and it is important to note that there may be errors or omissions in these recordings,
- Some parts of New South Wales have not been investigated in detail and there may be fewer records of Aboriginal sites in those areas. These areas may contain Aboriginal sites which are not recorded on AHIMS.
- Aboriginal objects are protected under the National Parks and Wildlife Act 1974 even if they are not recorded as a site on AHIMS.
- This search can form part of your due diligence and remains valid for 12 months.

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
45-6-2217	GH1	AGD	56	338850	6254280	Closed site	Valid	Artefact : -, Art (Pigment or Engraved) : -	Shelter with Art, Shelter with Deposit	2025, 2988
	Contact									
	Recorders			Margrit Koettig						
45-6-2220	Balmoral Beach 4;	AGD	56	338240	6255270	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1809, 2988
	Contact									
	Recorders			Val Attenbrow, K Cutmore						
45-6-2230	Clifton Gardens 1; Clifton Gardens;	AGD	56	338080	6254120	Open site	Valid	Shell : -, Artefact : -	Midden	2025
	Contact									
	Recorders			Margrit Koettig						
45-6-2342	Fig Trees Midden	AGD	56	338290	6255291	Open site	Valid	Shell : -, Artefact : -	Midden	
	Contact									
	Recorders			Michael Guider						
45-6-2320	Burragei Cave; Mosman;	AGD	56	337790	6253250	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	Contact									
	Recorders			Michael Guider						
45-6-2322	Red Fish 2; Mosman;	AGD	56	337740	6253090	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	Contact									
	Recorders			Michael Guider						
45-6-1959	Taronga Zoo Cave; Mosman;	AGD	56	336980	6253650	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2025
	Contact									
	Recorders			Michael Guider					3854	
45-6-2963	Shell Cove Rd NSW NSC-070	GDA	56	335604	6254130	Open site	Valid	Artefact : -		
	Contact									
	Recorders			Mr. Phil Hunt, Aboriginal Heritage Office						
45-6-0640	Mosman-Sydney	GDA	56	335604	6255590	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	
	Contact									
	Recorders			Michael Guider, Aboriginal Heritage Office						
45-6-2328	Chowder Head; Clifton Gardens;	AGD	56	338340	6253790	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	Contact									
	Recorders			Michael Guider						
45-6-0265	Balmoral Beach	AGD	56	338550	6255480	Open site	Not a Site	Art (Pigment or Engraved) : -	Not an Aboriginal Site	2025
	Contact									
	Recorders			Margrit Koettig, Michael Guider						
45-6-0267	Mosman;	AGD	56	337682	6255487	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	2025
	Contact									
	Recorders			Margrit Koettig, W.D Campbell						
45-6-0272	Robertson's Point Cremorne	GDA	56	336129	6253645	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	597
	Contact									
	Recorders			Charles.D Power, Aboriginal Heritage Office						
45-6-0273	Cremorne Point Shell Cove	GDA	56	335999	6253655	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	

Report generated by AHIMS Web Service on 09/02/2021 for Meggan Walker for the following area at Datum : GDA, Zone : 56, Eastings : 335270 - 339270, Northings : 6251829 - 6255829 with a Buffer of 0 meters. Additional Info : ACHA. Number of Aboriginal sites and Aboriginal objects found is 79

This information is not guaranteed to be free from error omission. Office of Environment and Heritage (NSW) and its employees disclaim liability for any act done or omission made on the information and consequences of such acts or omission.

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
	Contact	Recorders	Charles.D Power,Aboriginal Heritage Office					Permits		
45-6-0274	Cremorne Point Crows Nest	GDA	56	336249	6253720	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	Contact	Recorders	Michael Guider,Aboriginal Heritage Office					Permits		
45-6-2061	Red Shield Cave;	AGD	56	335910	6253430	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	1809
	Contact	Recorders	Michael Guider					Permits		
45-6-2062	Bradleys Beach	AGD	56	337762	6252708	Open site	Valid	Shell : -, Artefact : -	Midden,Open Camp Site	1809,1895,2025
	Contact	Recorders	Val Attenbrow,Michael Guider					Permits		
45-6-2063	Little Sirius Pt. 3;	AGD	56	336792	6253460	Open site	Valid	Shell : -, Artefact : -	Midden,Open Camp Site	1809,2025
	Contact	Recorders	Michael Guider					Permits		
45-6-2064	Little Sirius Pt. 2;Mosman;	AGD	56	336790	6253460	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1809,2025
	Contact	Recorders	Michael Guider					Permits		
45-6-2065	Little Sirius Pt. 1;Mosman;	AGD	56	336782	6253460	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1809,2025
	Contact	Recorders	Margrit Koettig,Michael Guider					Permits		
45-6-2066	Red Ochre Fish	AGD	56	337481	6253127	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	1809,1895,2025
	Contact	Recorders	Michael Guider					Permits		
45-6-2068	Shell Cove 2	GDA	56	335784	6254190	Open site	Valid	Shell : -, Artefact : -	Midden	1809
	Contact	Recorders	Michael Guider,Aboriginal Heritage Office					Permits		
45-6-2069	Shell Cove 1	GDA	56	335844	6254100	Open site	Valid	Shell : -, Artefact : -	Midden	1809
	Contact	Recorders	Michael Guider,Aboriginal Heritage Office					Permits		
45-6-2071	Cremorne Pt. 1	GDA	56	336464	6253305	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1809
	Contact	Recorders	Michael Guider,Aboriginal Heritage Office					Permits		
45-6-1896	Chowder Head	AGD	56	338303	6253598	Open site	Valid	Shell : -, Artefact : -	Midden	2025
	Contact	Recorders	Michael Guider					Permits		
45-6-1897	Chowder Head 1	AGD	56	338161	6253587	Closed site	Valid	Art (Pigment or Engraved) : -, Shell : -, Artefact : -	Midden,Shelter with Art	2025
	Contact	Recorders	Michael Guider					Permits		
45-6-1898	The Balcony	AGD	56	338343	6253710	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2025
	Contact	Recorders	Michael Guider					Permits		

Report generated by AHIMS Web Service on 09/02/2021 for Meggan Walker for the following area at Datum :GDA, Zone : 56, Eastings : 335270 - 339270, Northings : 6251829 - 6255829 with a Buffer of 0 meters. Additional Info : ACHA. Number of Aboriginal sites and Aboriginal objects found is 79

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SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
45-6-1899	Chowder Head 2	AGD	56	338036	6253594	Open site	Valid	Artefact : -, Shell : -	Midden,Open Camp Site	2025
	<u>Contact</u>								<u>Permits</u>	
45-6-1905	Reid Park 2;Mosman;	AGD	56	336500	6254600	Open site	Valid	Shell : -, Artefact : -	Midden	2025
	<u>Contact</u>								<u>Permits</u>	
45-6-1906	Reid Park 1;Mosman;	AGD	56	336300	6254500	Open site	Valid	Shell : -, Artefact : -	Midden	2025
	<u>Contact</u>								<u>Permits</u>	
45-6-2206	Reid Park 3;Mosman;	AGD	56	336357	6254502	Open site	Valid	Artefact : -, Shell : -	Midden,Open Camp Site	2025
	<u>Contact</u>								<u>Permits</u>	
45-6-2208	Bradleys Beach rock shelter	AGD	56	337751	6252663	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1895,2025
	<u>Contact</u>								<u>Permits</u>	
45-6-2117	Clifton Cave;	AGD	56	338209	6253889	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2025
	<u>Contact</u>								<u>Permits</u>	
45-6-2118	Mosman Bradley's Head	AGD	56	337474	6253300	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1895,2025
	<u>Contact</u>								<u>Permits</u>	
45-6-2119	Mosman Athol Beach	AGD	56	337460	6253150	Open site	Valid	Artefact : -	Open Camp Site	1895,2025
	<u>Contact</u>								<u>Permits</u>	
45-6-2121	Cremorne Pt. 3;	AGD	56	336170	6253490	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	<u>Contact</u>								<u>Permits</u>	
45-6-2123	The Barn Cave;Mosman;	AGD	56	336450	6254290	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	2025
	<u>Contact</u>								<u>Permits</u>	2106
45-6-2124	Chowder Head 2;	AGD	56	338188	6253961	Closed site	Valid	Shell : -, Artefact : -, Art (Pigment or Engraved) : -	Shelter with Art,Shelter with Midden	2025
	<u>Contact</u>								<u>Permits</u>	
45-6-2130	Athol Bay Cave;Mosman;Taronga Park Zoo;	AGD	56	337250	6253390	Closed site	Valid	Shell : -, Artefact : -, Art (Pigment or Engraved) : -	Shelter with Art,Shelter with Midden	2025
	<u>Contact</u>								<u>Permits</u>	
45-6-0641	Crows Nest;Neutral Bay;	AGD	56	335516	6253982	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	
	<u>Contact</u>								<u>Permits</u>	

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SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
45-6-2143	Cremorne Point West (duplicate copy 45-6-0273 and 45-2-0274)	GDA	56	335770	6253800	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	1809,1911
	Contact	Recorders	W.D Campbell,Aboriginal Heritage Office					Permits		
45-6-1231	Sea Scouts Fence Cave	AGD	56	338550	6255500	Closed site	Valid	Art (Pigment or Engraved) : -, Shell : -, Artefact : -	Shelter with Art,Shelter with Midden	2025,2204,298 8
	Contact	Recorders	Margrit Koettig,Michael Guider,Michael Guider,Mr.R Taplin,Mr.R Taplin					Permits		
45-6-2092	Obelisk Bay	AGD	56	338990	6255250	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	1809,2025,298 8
	Contact	Recorders	Margrit Koettig,Michael Guider					Permits		
45-6-2168	RSYS midden;	AGD	56	335190	6253050	Open site	Valid	Artefact : -, Shell : -	Midden,Open Camp Site	
	Contact	Recorders	Michael Guider					Permits		
45-6-2178	Shark Island 2;	GDA	56	338802	6252265	Open site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	Contact	Recorders	Michael Guider,GML Heritage Pty Ltd + Context - Surry Hills,Doctor.Tim Owen					Permits		
45-6-2179	Shark Island 1;	GDA	56	338876	6252082	Open site	Valid	Shell : -, Artefact : -	Midden	
	Contact	Recorders	Michael Guider,GML Heritage Pty Ltd + Context - Surry Hills,Doctor.Tim Owen					Permits		
45-6-2323	Birds Nest Cave;Clifton Gardens;	AGD	56	337530	6253810	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	Contact	Recorders	Michael Guider					Permits		
45-6-2327	Chowder Bay;Clifton Gardens;	AGD	56	338350	6254200	Open site	Valid	Shell : -, Artefact : -	Midden	
	Contact	Recorders	Michael Guider					Permits		
45-6-2329	Chowder Head 3;Clifton Gardens;	AGD	56	338330	6253790	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	Contact	Recorders	Michael Guider					Permits		
45-6-2330	Two Fish;Clifton Gardens;	AGD	56	338370	6253650	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	
	Contact	Recorders	Michael Guider					Permits		
45-6-2331	Koree Cave	AGD	56	338450	6254370	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	Contact	Recorders	Michael Guider					Permits		
45-6-2332	Clifton Reserve 1;Clifton Gardens;	AGD	56	338100	6254160	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	
	Contact	Recorders	Michael Guider					Permits		
45-6-2333	Shale Cave;Clifton Gardens;	AGD	56	338330	6253610	Closed site	Valid	Shell : -, Artefact : -	Shelter with Midden	
	Contact	Recorders	Michael Guider					Permits		
45-6-2334	Chowder Head 5;Clifton Gardens;	AGD	56	338390	6253590	Open site	Valid	Shell : -, Artefact : -	Midden	

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SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
	Contact	Recorders	Michael Guider					Permits		
45-6-2042	Ashton park	AGD	56	337730	6252728	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	1809,1895,2025
	Contact	Recorders	Margrit Koettig,Michael Guider					Permits		
45-6-0740	Mosman;Balmoral;	AGD	56	337866	6255399	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	2025
	Contact	Recorders	Margrit Koettig,W.D Campbell					Permits		
45-6-1757	Georges Head 2	AGD	56	338990	6254500	Open site	Valid	Artefact : -, Shell : -	Midden,Open Camp Site	2025,2988
	Contact	Recorders	Val Attenbrow,Val Attenbrow,A.K Morris					Permits		
45-6-0656	Mosman Bay	AGD	56	336428	6254573	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2025
	Contact	Recorders	Val Attenbrow,Margrit Koettig					Permits		
45-6-0658	Crows Nest;Avenue Rd;	AGD	56	336611	6254095	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	2025
	Contact	Recorders	Margrit Koettig,W.D Campbell					Permits		
45-6-0665	Mosman Bay;	AGD	56	337100	6254800	Open site	Deleted	Art (Pigment or Engraved) : -	Rock Engraving	2025
	Contact	Recorders	Margrit Koettig,W.D Campbell					Permits		
45-6-0674	Bradley's Head;Taylor's Bay;	AGD	56	337900	6253662	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	2025
	Contact	Recorders	Brown					Permits		
45-6-0677	Balmoral Beach 2;Bungarees cave;	AGD	56	338250	6255290	Closed site	Valid	Art (Pigment or Engraved) : -, Shell : -, Artefact : -	Shelter with Art,Shelter with Midden	1809,2025,98676
	Contact	Recorders	Val Attenbrow,Alice Gorman,Michael Guider					Permits	267,419,4346	
45-6-0678	Balmoral Beach 3;	AGD	56	338160	6255400	Closed site	Valid	Art (Pigment or Engraved) : -, Shell : -, Artefact : -, Burial : -	Burial/s,Midden,Shelter with Art	1809,2025,2988
	Contact	Recorders	Val Attenbrow					Permits	3170	
45-6-1698	Georges Head 1	AGD	56	339000	6254490	Closed site	Valid	Shell : -, Artefact : -	Midden,Shelter with Deposit	1293,2025,2988
	Contact	Recorders	Val Attenbrow					Permits		
45-6-1701	Little Sirius Cove Midden;	AGD	56	336837	6253788	Closed site	Valid	Artefact : -, Shell : -	Midden,Shelter with Deposit	1293,2025
	Contact	Recorders	Val Attenbrow,A.K Morris					Permits		
45-6-1702	Sirius Park Midden;	AGD	56	336850	6253973	Open site	Valid	Artefact : -, Shell : -	Midden,Open Camp Site	1293,1809,2025
	Contact	Recorders	Val Attenbrow,A.K Morris					Permits		

Report generated by AHIMS Web Service on 09/02/2021 for Meggan Walker for the following area at Datum :GDA, Zone : 56, Eastings : 335270 - 339270, Northings : 6251829 - 6255829 with a Buffer of 0 meters. Additional Info : ACHA. Number of Aboriginal sites and Aboriginal objects found is 79

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SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status	SiteFeatures	SiteTypes	Reports
45-6-0028	Taylor's Bay;Chowder Head;	AGD	56	337900	6253700	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	2025
	Contact									
	Recorders									
45-6-2080	Cremorne Pt 2	GDA	56	336374	6253380	Open site	Valid	Artefact : -, Shell : -	Midden,Open Camp Site	1809
	Contact									
	Recorders									
45-6-2934	Yurong Cave	GDA	56	335595	6251900	Closed site	Valid	Art (Pigment or Engraved) : -		102763
	Contact									
	Recorders									
45-6-2935	Yurong 1	GDA	56	335555	6252020	Open site	Valid	Shell : 6		
	Contact									
	Recorders									
45-6-2807	Bradleys Head East 1	AGD	56	337739	6253143	Open site	Valid	Habitation Structure : 1, Shell : 1		
	Contact T Russell									
	Recorders									
45-6-2808	Bradleys Head East 2	AGD	56	337794	6253270	Open site	Valid	Habitation Structure : 1, Shell : 1		
	Contact T Russell									
	Recorders									
45-6-2812	Fire Trail PAD 1	AGD	56	338710	6254995	Open site	Valid	Potential Archaeological Deposit (PAD) : 1		
	Contact T Russell									
	Recorders									
45-6-2813	GH 2	AGD	56	338850	6254284	Open site	Valid	Potential Archaeological Deposit (PAD) : 1		
	Contact T Russell									
	Recorders									
45-6-2814	Fire Trail PAD 2	AGD	56	338690	6255025	Open site	Valid	Potential Archaeological Deposit (PAD) : 1		
	Contact T Russell									
	Recorders									
45-6-2816	Little Fish Park Midden	AGD	56	336858	6254073	Open site	Valid	Habitation Structure : 1, Shell : 1		
	Contact T Russell									
	Recorders									
45-6-2818	Chowder Head 4	AGD	56	338300	6253800	Open site	Valid	Habitation Structure : 1, Earth Mound : 1		
	Contact S Scanlon									
	Recorders									
45-6-2819	Chowder Head 5	AGD	56	338266	6253757	Open site	Valid	Habitation Structure : 1, Earth Mound : 1		
	Contact S Scanlon									
	Recorders									
45-6-2820	Chowder Head 6	AGD	56	338231	6253853	Open site	Valid	Habitation Structure : 1		

Report generated by AHIMS Web Service on 09/02/2021 for Meggan Walker for the following area at Datum :GDA, Zone : 56, Eastings : 335270 - 339270, Northings : 6251829 - 6255829 with a Buffer of 0 meters. Additional Info : ACHA. Number of Aboriginal sites and Aboriginal objects found is 79

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<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>
	<u>Contact</u> S Scanlon	<u>Recorders</u>		Matthew Kelleher						

Report generated by AHIMS Web Service on 09/02/2021 for Meggan Walker for the following area at Datum :GDA, Zone : 56, Eastings : 335270 - 339270, Northings : 6251829 - 6255829 with a Buffer of 0 meters. Additional Info : ACHA. Number of Aboriginal sites and Aboriginal objects found is 79

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APPENDIX B

ACHA QUESTIONNAIRE



APPENDIX 3 – QUESTIONNAIRE

1. **Cultural connection:** Please describe the nature of your cultural connection to the country on which the subject area is situated. Please include any relevant cultural knowledge or knowledge of Aboriginal objects or places within the subject area. Have you ever lived in or near the subject area? If you are a Traditional Owner, please state this clearly.



-
2. **Representing your community members: Please state who you or your organisation represents. Do you or your organisation represent other members of the Aboriginal community? If so, please describe how information is provided to the other members, and how their information and knowledge may be provided back to the Proponent and Urbis.**



3. **Previous experience: Please list your relevant (for example, in the area of the proposed project) previous experience in providing cultural heritage advice and survey participation.**

Meggan Walker

From: Gulaga <gulagachts@gmail.com>
Sent: Tuesday, 8 June 2021 7:57 PM
To: Meggan Walker
Cc: Balazs Hansel; Alexandra Ribeny
Subject: Re: ACHA - Stage 2 and Stage 3 - Taronga Zoo Wildlife Hospital - Our Ref P0031212

Follow Up Flag: Follow up
Flag Status: Completed

Received, thank you.

Kind Regards
Wendy Smith
Cultural Heritage Officer
Gulaga
[REDACTED]

[REDACTED] privileged information. Privilege is not waived if it has been sent to you in error, or if you are not the intended recipient. Please immediately notify me and delete the email if you have received this in error.

On Mon, Jun 7, 2021 at 10:14 AM Meggan Walker <mwalker@urbis.com.au> wrote:

Hello all,

Please see attached the Stage 2 and 3 document for our project at Taronga Zoo, Mosman, for the development of a Wildlife Hospital. Please provide any response in writing to myself or Alexandra Ribeny (details below) by **COB 5th July 2021**.

Alexandra Ribeny

aribeny@urbis.com.au

Level 8, 123 Pitt Street, Sydney, 2000

Please let us know if you have any questions.

Kind regards,

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626

E mwalker@urbis.com.au



ANGEL PLACE, LEVEL 8, 123 PITT STREET
SYDNEY, NSW 2000, AUSTRALIA
T +61 2 8233 9900

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Meggan Walker

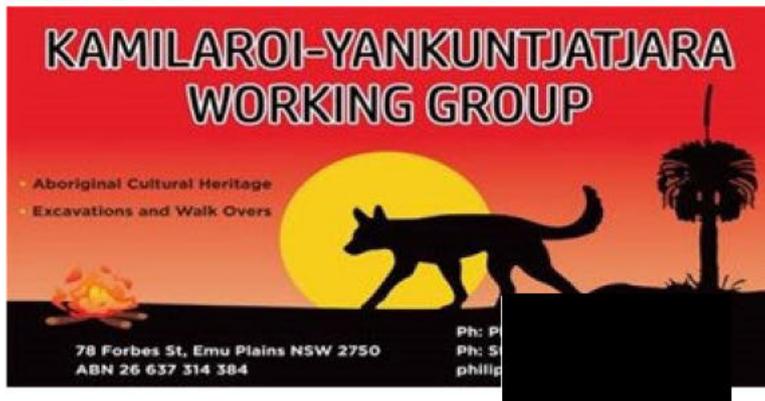
From: philip khan <philipkhan.acn@live.com.au>
Sent: Wednesday, 23 June 2021 10:40 AM
To: Meggan Walker
Subject: Re: ACHA - Stage 2 and Stage 3 - Taronga Zoo Wildlife Hospital - Our Ref P0031212

Follow Up Flag: Follow up
Flag Status: Flagged

Dear Meggan,

Thank you for your ACHA regarding Taronga Zoo, Aboriginal people have walked this land for tens of thousands of years and continue to do so. We have a spiritual connection to the land, sky and water ways along with the flora and furan. We care for the land and all that she holds, giving back to mother earth as she provides for us, we follow the water ways and are guided by the sky. Water ways are highly important to Aboriginal people, they provide us with fresh water, food, we birthed in the water ways and we hunted and gathered near by these water ways. The study area is significant to us Aboriginal people and for this reason we would like to agree to your recommendations of excavating in the area under the large fallen bolder, this area has possible undisturbed soils and should be further investigated. It is important to promote Aboriginal culture and highlight cultural aspects most defiantly in this case as it is a place of education and has visitors from all over the world. Interpretation can be achieved in the form of art, native gardens, digital displays etc. please do not hesitate in contacting us about interpretation. We are happy with the proposed works of the site and the interpretation plans. We agree to your recommendations and support your report. We look forward to working alongside you on this project.

Kind Regards
Kadibulla Khan



From: Meggan Walker <mwalker@urbis.com.au>
Sent: Monday, 7 June 2021 10:14 AM
To: Balazs Hansel <bhansel@urbis.com.au>; Alexandra Ribeny <aribeny@urbis.com.au>
Subject: ACHA - Stage 2 and Stage 3 - Taronga Zoo Wildlife Hospital - Our Ref P0031212

Hello all,

Please see attached the Stage 2 and 3 document for our project at Taronga Zoo, Mosman, for the development of a Wildlife Hospital. Please provide any response in writing to myself or Alexandra Ribeny (details below) by **COB 5th July 2021**.

Alexandra Ribeny

aribeny@urbis.com.au

Level 8, 123 Pitt Street, Sydney, 2000

Please let us know if you have any questions.

Kind regards,

MEGGAN WALKER

CONSULTANT

D +61 2 8233 7626

E mwalker@urbis.com.au

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**ANGEL PLACE
LEVEL 8, 123 PITT STREET
SYDNEY NSW 2000**

URBIS.COM.AU
Urbis Pty Ltd
ABN 50 105 256 228

1 July 2021

Dear All,

WILDLIFE HOSPITAL, TARONGA ZOO - ABORIGINAL CULTURAL HERITAGE ASSESSMENT - SITE VISIT

1. BACKGROUND

Thank you for registering your interest and taking an active role in the consultation process for the Aboriginal Cultural Heritage Assessment (ACHA) for the proposed development of Wildlife Hospital within a portion of Lot 22 on DP843294. We appreciate your engagement with the process to date.

Urbis, on behalf of the Taronga Conservation Society of Australia (TCSA) (the Proponent) would like to invite you to attend a site visit for this project following the close of the Stage 2 and 3 comment period, in accordance with Section 4.2 and 4.3 of the *Aboriginal cultural heritage consultation requirements for proponents* (DECCW, 2010) (hereafter referred as the Consultation Requirements). This meeting will provide the opportunity to familiarise yourself with the subject area through field survey, and then to discuss the cultural heritage approach and raise any cultural heritage information or concerns in accordance with Section 4.3 of the Consultation Requirements.

The site visit will include a walkover of the subject area. There will be the opportunity for questions and for RAPs to provide any comment on the cultural significance of the subject area. RAPs will be accompanied by Urbis Archaeologist Meggan Walker and 1 representative from the Proponent.

1.1. PROPOSED ACTIVITY

The proposed development comprises the construction of a Wildlife Hospital and Nutrition Centre and replaces existing facilities to enable Taronga to respond to an emerging wildlife crisis and provide new experiences to Taronga Zoo's guests. The new Wildlife Rescue Centre will:

- Increase the capacity of the zoos to save endangered animals through wildlife rescue with a focus on marine turtles and species impacted by natural disasters such as bushfires;
- Provide support to the 5,600 volunteer wildlife carers in NSW;
- Cement Taronga as global leaders in conservation and deliver better results for the 1,500 sick, injured or orphaned native animals Taronga treats each year; and
- Attract an additional one million visitors to Taronga over the next 10 years as a result of community passion for wildlife rehabilitation and conservation.
- The project is proposed to be split into two main functions as illustrated in the Concept Site Plan in **Figure 1** below.

- The Wildlife Hospital will include rehabilitation facilities (including wildlife intensive care and Marine turtle facilities), surgeries, necropsy room/s, pathology labs, medical equipment and supplies storage, medical equipment and quarantine facilities.
- The Nutrition Centre that allows for the storage and preparation of Taronga animal foods and research and development for nutrition.

Additional works proposed as part of the Taronga Wildlife Hospital will include the following:

- Areas for vet and vet nurse presentations and areas available for Back of House tours;
- Display of wildlife care/veterinary activities in operation;
- Interpretive signage, installations and call to action activations;
- Fire, water and electrical services, Heating, Ventilating, and Air Conditioning (HVAC) for guests and animals;
- Adequate staff areas including offices, meeting/lunch space, bathrooms;
- Integration and improvement to Taronga Zoo’s guest circulation in alignment with Masterplan circulation network allowing for improved connections with the Institute of Science and Learning;
- Training and education spaces;
- Demolition of existing assets including the Serpentaria Reptile Exhibit built in 1993;
- Enabling works directly related as well as required to clear/prepare the site; and
- Installation of sea water supply and return infrastructure, including associated remediation works.



Figure 1 – Concept Site Plan



2. COVID-19 RISK MITIGATION STRATEGY

Given the increasing concern surrounding Covid-19, Urbis proposes to put in place several strategies to mitigate the risk of infection. The following rules and restrictions **must** be adhered to. Failure to adhere to these rules will result in the request that you leave site.

- No site attendance allowed for people with any light/mild flu-like symptoms, including sneezing, coughing, runny nose, fever. Should people turning up with symptoms Urbis and TCSA reserve the right to refuse site entry.
- Masks **must** be worn on site at all times.
- 1.5m distance rules **must** be adhered to at all times.
- Every attendee **must** check into the site using the NSW Government Service NSW app for the purposes of contact tracing.
- Attendees must arrive at site via personal transport. We request that no one access the site via public transport to reduce the risk of transmission.
- We request that no one who has attended or lives in a designated hot spot or casual contact area attend the site visit. These areas are identified on the NSW Health website and are regularly updated, so please check on the morning of the site visit prior to attending.
- The site visit will be undertaken with 1 representative from each organisation at a time with a maximum of 1 hour per site visit. This will be on a roster basis and so will require all attendees to arrive 10 minutes early to check in, with a maximum of 50 minutes for the site walkover. Late arrivals must notify Urbis by call or text, or risk having their scheduled time cancelled.
- Confirmation of attendees will be required by **12pm Monday 5th July**. This will ensure suitable time to roster attendees and provide the list to the client.

Urbis understand that individuals may not feel comfortable attending the site under these conditions due to the risks associated with Covid-19. As such, Urbis will provide a summary letter of the site visit to all RAPs with the opportunity to provide comment following the site visit to ensure that those who do not feel comfortable attending are still provided with the opportunity to be involved.

3. DETAILS

The site visit is currently scheduled to take place on **Tuesday 6th July 2021**.

To register your interest for the site visit, please provide:

- Digital copy of your Certificate of currency, including public liability insurance and workers' compensation insurance (if they have not already been provided),
- Name and contact details of the nominated site officer.

The proponent has agreed to remuneration for:

- One representative from each invited RAP group for the site visit. The hourly rate agreed to be the Proponent is \$150/ph.
- Parking is available on site in the Taronga Zoo carpark at no cost to attendees.



- Invoicing details will be provided after the site visit. Please note that payment is subject to the invoicing schedule between Urbis and Taronga Zoo. Payments will be made when Urbis receives the funds as per the monthly invoicing cycle.

If you agree to the above provisions, please provide the requested information no later than **12pm Monday 5th July 2021**. Late registrations will **not** be accepted.

Please provide your registration of interest and associate documentation to:

Meggan Walker
Urbis Pty Ltd
Angel Place
level 8, 123 Pitt Street
Sydney, 2000 NSW
D: 02 8233 7626
Email: mwalker@urbis.com.au

Please do not hesitate to contact us should you have any queries in relation to the provided information.

Yours sincerely,

A handwritten signature in blue ink, appearing to read "M Walker".

Meggan Walker
Consultant
+61 2 8233 7626
mwalker@urbis.com.au

Meggan Walker

From: Meggan Walker
Sent: Thursday, 15 July 2021 10:31 AM
To: Balazs Hansel
Subject: Taronga Wildlife Hospital Sydney - ACHA - Site Survey Summary Letter - Our Ref P0031212
Attachments: 02_P0031212_SiteVisitSummary_WildlifeHospital.pdf

Hello all,

Thank you to those who were able to attend the site survey for our project at Taronga Zoo Sydney for the development of the new Taronga Wildlife Hospital.

Understanding the extenuating circumstances surrounding Covid-19 currently, we appreciate many were not able to attend due to health concerns or the need to care for family. As such, please find attached a letter providing a summary of the site visit, with recommendations to be included in the ACHA.

Please let us know if you have any additional comments in writing and preferably by response email, by **COB 22nd July 2021**.

Thank you for your assistance in this project to date and we hope you are all staying safe & well.

Kind regards,

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
E mwalker@urbis.com.au

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15 July 2021

Dear All,

TARONGA WILDLIFE HOSPITAL SYDNEY - SITE VISIT SUMMARY

1. BACKGROUND

Thank you to all those who attended the site visit at Taronga Zoo for the Taronga Wildlife Hospital, Sydney project today on behalf of the Taronga Conservation Society Australia (TCSA) (the Proponent). Furthermore, thank you to those who did not attend today due to feeling unwell, in accordance with Covid-19 protocols. We appreciate your efforts in keeping everyone safe.

We understand that due to the current Covid-19 situation not everyone was willing or able to attend today. This letter is provided to serve as a summary of the site visit.

1.1. PROPOSED WORKS

The proposed works include the demolition of existing back of house facilities and reptile house and construction of a new nutrition centre and wildlife hospital, with the reptile house animals to be relocated to the new Reptile and Amphibian Conservation Centre (RACC).

Additional works proposed as part of the Taronga Wildlife Hospital Sydney will include the following:

- Areas for vet and vet nurse presentations and areas available for Back of House tours;
- Display of wildlife care/veterinary activities in operation;
- Interpretive signage, installations and call to action activations;
- Fire, water and electrical services, Heating, Ventilating, and Air Conditioning (HVAC) for guests and animals;
- Adequate staff areas including offices, meeting/lunch space, bathrooms;
- Integration and improvement to Taronga Zoo's guest circulation in alignment with Masterplan circulation network allowing for improved connections with the Institute of Science and Learning;
- Training and education spaces;
- Demolition of existing assets including the Serpentaria Reptile Exhibit built in 1993;
- Enabling works directly related as well as required to clear/prepare the site; and
- Installation of sea water supply and return infrastructure, including associated remediation works.



Figure 1 – Concept Site Plan

2. SITE VISIT

The site visit involved an overview of the project location and proposed works, followed by a walk over of the subject area and a discussion of the site conditions. The site visits were conducted individually in 1 hour (maximum) blocks due to Covid-19 protocols and requirements. The site visit was attended by the following:

- Kadibulla Khan, Kamilaroi Yankuntjatjara Working Group.
- Kody Mcutchen King, MurraBidjeeMullangari.
- Joleen Smith, Didge Ngunawal Clan.

For the purposes of discussion, the subject area has been divided into three main areas, as follows:

- The back of house facilities.
- The existing reptile house (Serpentaria, c.1993).
- The natural vegetation area.

The remaining area to the south east was not inspected as no works are proposed.

In general, the site visit was restricted to pathways to avoid risk from animal enclosures.

The site visit concluded that the Wildlife Hospital and elevated footpath were the most appropriate place for any interpretation materials as they will be public facing areas, while the back of house facilities will be restricted access only.

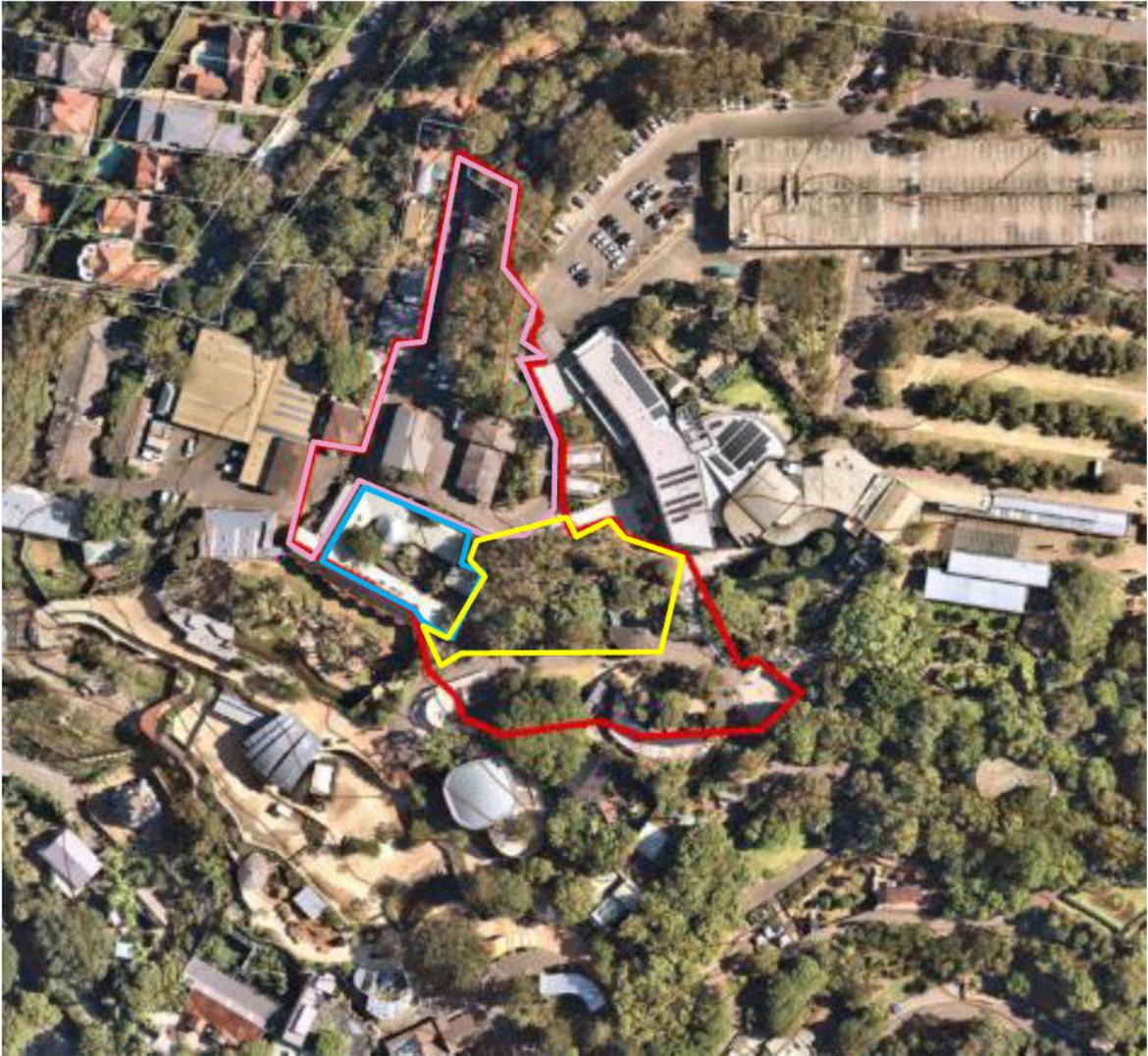


Figure 2 – Site plan. Subject area indicated in red. Back of house area indicated in pink, reptile house indicated in blue and natural vegetation area indicated in yellow.

2.1. BACK OF HOUSE AREA

This area is towards the north west of the site and comprised existing back of house facilities. In general, it was concluded that the area is highly disturbed, with land modification evident through the construction of buildings, as well as services and disturbance through the impact of previous facilities including the incinerator known to have existed on the site. The entirety of this area was covered by buildings or asphalt and so no in-depth survey of the ground surface was possible, as Ground Surface Visibility (GSV) was 0%.

The site visit and assessment concluded that this area is likely highly disturbed and contaminated, with no further works determined to be necessary in this area. This conclusion was broadly supported by RAPs on site. One group (Kamilaroi Yankuntjatjara Working Group) did express a desire for monitoring to occur as a last resort in this area. This is not considered necessary from the archaeological context due to the high disturbance, but will be discussed with the TCSA further throughout the process. Test excavation was not deemed necessary due to the high potential of contaminants and the low potential for Aboriginal archaeological resources to occur.

There are therefore no further Aboriginal archaeological works proposed for this area at this stage, and works can proceed as required.



Figure 3 –General view, back of house area, with services evident. Aspect: north.



Figure 4 – Building cut into modified landscape. Aspect: south.



Figure 5 – Back of house facility. Aspect: south west.



Figure 6 – Back of house facility. aspect: south.

2.2. EXISTING REPTILE HOUSE (SERPENTARIA, C.1993)

The existing reptile house area is down-slope from the back of house area. The footprint of the existing building is highly disturbed, with the construction of present facilities likely resulting in the removal of natural soils. The entirety of the area is currently covered by the reptile house facilities and so no in-depth survey of the ground surface was possible as GSV was 0%. The site visit and assessment concluded that this area is likely highly disturbed, with no further works determined to be necessary in this area. This conclusion was supported by RAPs on site.

There are therefore no further Aboriginal archaeological works proposed for this area at this stage, and works can proceed as required.



Figure 7 – Rear of existing reptile house with services evident. Aspect: south.



Figure 8 – Existing reptile house with excavated enclosure. Aspect: west.

2.3. NATURAL VEGETATION AREA

This area comprised the portion of vegetation to the south east of the back of house area and east of the reptile house. This area comprises one of the only remnant natural vegetation areas left within the Taronga Zoo grounds. This area includes bushland vegetation and sandstone outcrops and platforms. No overhangs suitable for habitation were identified.

The archaeological assessment has identified this area to be of high archaeological potential. The only works proposed in this area include the removal of intrusive elements (mock rock and exhibits), the construction of an elevated walkway, and potentially the demolition of the existing Koala Walkabout (subject to built heritage approval). Small non-intrusive exhibits may also be placed in areas of existing exhibits subject to detailed design. In previous meetings with RAPs (Dennis Foley – Taronga Aboriginal Advisory Committee Chairperson), the sandstone outcrops were identified as culturally significant, with the crevices of the outcrops identified as a space where spirits may live.

The site visit concluded that this portion of the subject area represents one of the only intact landscape areas across the Zoo and is of cultural significance. As such, the following is recommended for this area:

- No major works are to occur in this area and rock platforms are to be avoided.
- Inspection of the rock platforms should occur once the area is made safe (exhibits decommissioned and access restricted) to identify any potential markings which could then form part of an interpretation plan for the site.
- The elevated footpath is highly supported to allow visitors to immerse themselves in the natural environment. This should be supported by interpretation plaques across the footpath which detail the Aboriginal history of the area as well as providing information on native vegetation. An interpretation strategy should be developed in conjunction with the Taronga Aboriginal Advisory Committee (TAAG).
- Monitoring of the footing installation should occur for the elevated footpath.



Figure 9 – Natural sandstone with mock rock intrusion (to be removed). Aspect: north.



Figure 10 – Natural sandstone ledge to the north of Crocodile enclosure. Aspect: east.



Figure 11 – Rock outcrops and unmodified vegetation. Aspect: west.

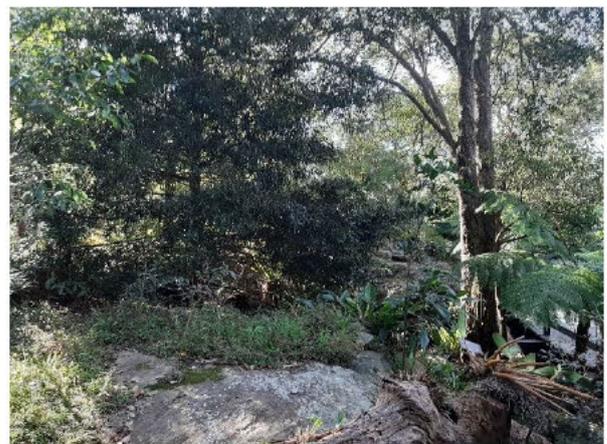


Figure 12 – Rock outcrops and unmodified vegetation, with Koala Walkabout footpath to right of frame (proposed for demolition). Aspect: north.

3. CONCLUSIONS & RECOMMENDATIONS

The site visit has therefore concluded that Aboriginal archaeological potential is low across the majority of the subject area owing to extensive disturbance from previous and existing facilities. This is with the exception of the natural vegetation area which retains both Aboriginal archaeological potential and cultural significance. The specific recommendations for the natural vegetation area as discussed in Section 0 will be incorporated into the Aboriginal Cultural Heritage Assessment, with a further recommendation that works may proceed in the remainder of the site, subject to an Unexpected Finds Procedure and Aboriginal Cultural Heritage Induction. Exploration of interpretation opportunities in conjunction with the TAAG will also form a recommendation of the report.

Should you have any further comments regarding the site following the review of this summary, please provide in writing to Meggan Walker (details below) by **COB 22nd July 2021**, to ensure they can be included in our report. Comments received after this time may not be included in the Draft ACHA, to be supplied in Stage 4 of the process.

Contact details:

Meggan Walker

mwalker@urbis.com.au

Urbis, Consultant Archaeologist

Level 8/123 Pitt Street, Sydney, 2000

Yours sincerely,

A handwritten signature in blue ink, appearing to read "M Walker".

Meggan Walker

Consultant

+61 2 8233 7626

mwalker@urbis.com.au

Meggan Walker

From: Ginninderra Aboriginal Corporation <ginninderra.corp@gmail.com>
Sent: Monday, 5 July 2021 3:11 PM
To: Meggan Walker
Subject: Re: Taronga Wildlife Hospital ACHA - Site Visit EOI - our Ref P0031212

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Meggan,

I hope you are well.

I'm sorry for the late reply, totally slipped my mind.

I'm currently home with the kids on lockdown/school holidays. I'd love to come to the meeting but I don't have anyone to watch them with the current restrictions.

Definitely would like to be involved in any future meetings/excavations etc.

Kind regards,

Krystle Carroll-Elliott
Ginninderra Aboriginal Corporation

We acknowledge the Traditional Owners of Country throughout Australia and recognise their connection to land, water, and community.

We pay our respects to them, their cultures, and to Elders past and present.

On 2 Jul 2021, at 10:41 am, Meggan Walker <mwalker@urbis.com.au> wrote:

Hello All,

Please see the attached invitation to register for the site visit at Taronga Wildlife Hospital which will take place on **Tuesday 6th July**. Please note registration is required by **12pm Monday 5th July**. Due to the current government restrictions and the risks associated with the Covid-19 virus outbreak, the following protocols will be in place for the safety of all attendees on the day:

- No site attendance allowed for people with any light/mild flu-like symptoms, including sneezing, coughing, runny nose, fever. Should people turning up with symptoms, Urbis and TCSA reserve the right to refuse site entry.
- Masks **must** be worn on site at all times.
- 1.5m distance rules **must** be adhered to at all times.
- Every attendee **must** check into the site using the NSW Government Service NSW app for the purposes of contact tracing.
- Attendees must arrive at site via personal transport. We request that no one access the site via public transport to reduce the risk of transmission.

- We request that no one who has attended or lives in a designated hot spot or casual contact area attend the site visit. These areas are identified on the NSW Health website and are regularly updated, so please check on the morning of the site visit prior to attending.
- The site visit will be undertaken with 1 representative from each organisation at a time with a maximum of 1 hour per site visit. This will be on a roster basis and so will require all attendees to arrive 10 minutes early to check in, with a maximum of 50 minutes for the site walkover. Late arrivals must notify Urbis by call or text, or risk having their scheduled time cancelled.
- Confirmation of attendees will be required by **12pm Monday 5th July**. This will ensure suitable time to roster attendees and provide the list to the client. Urbis will notify RAPs of their rostered time by 5pm Monday 5th July.

Urbis understand that individuals may not feel comfortable attending the site under these conditions due to the risks associated with Covid-19. As such, Urbis will provide a summary letter of the site visit to all RAPs with the opportunity to provide comment following the site visit to ensure that those who do not feel comfortable attending are still provided with the opportunity to be involved.

Please let us know if you have any questions or comments.

Kind regards

MEGGAN WALKER

CONSULTANT

<image001.gif>

D +61 2 8233 7626

E mwalker@urbis.com.au

<image002.png>

<image004.png><image006.png><image008.png><image010.png>

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<01_P0031212_TarongaWildlifeHospital_SiteVisitEOI.pdf>

Meggan Walker

From: philip khan <philipkhan.acn@live.com.au>
Sent: Friday, 23 July 2021 11:11 AM
To: Meggan Walker
Subject: Re: Taronga Wildlife Hospital Sydney - ACHA - Site Survey Summary Letter - Our Ref P0031212

Follow Up Flag: Follow up
Flag Status: Flagged

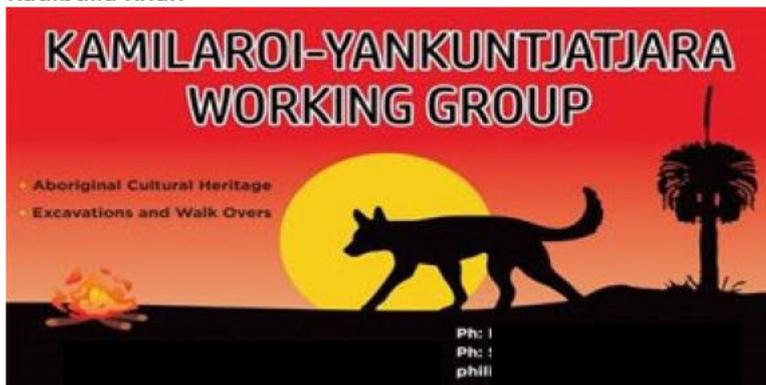
Hi,

Here at KYWG we aim to conserve and protect cultural heritage, we have over 50 years of knowledge of the area. We have lived and worked in the area in this time frame, so we have firsthand knowledge when it comes to our cultural heritage. We have a spiritual connection to the land, sky, and water ways as they hold our stories.

We would like to agree to your recommendations, and we also would like to support your report. We look forward to working with you on this project soon.

Kind Regards

Kadibulla Khan



From: Meggan Walker <mwalker@urbis.com.au>
Sent: Thursday, 15 July 2021 10:31 AM
To: Balazs Hansel <bhansel@urbis.com.au>
Subject: Taronga Wildlife Hospital Sydney - ACHA - Site Survey Summary Letter - Our Ref P0031212

Hello all,

Thank you to those who were able to attend the site survey for our project at Taronga Zoo Sydney for the development of the new Taronga Wildlife Hospital.

Understanding the extenuating circumstances surrounding Covid-19 currently, we appreciate many were not able to attend due to health concerns or the need to care for family. As such, please find attached a letter providing a summary of the site visit, with recommendations to be included in the ACHA.

Please let us know if you have any additional comments in writing and preferably by response email, by **COB 22nd July 2021**.

Thank you for your assistance in this project to date and we hope you are all staying safe & well.

Kind regards,

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
E mwalker@urbis.com.au

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Meggan Walker

From: Meggan Walker
Sent: Friday, 15 October 2021 12:41 PM
To: Brigitte Bradley; Balazs Hansel; Wade Goldwyer
Cc: P0031212 Taronga Zoo (Wildlife Hospital)
Subject: Project Update -ACHA - Taronga Zoo Wildlife Hospital and Wildlife Hospital Nutrition Centre - P0031212
Attachments: 03_P0031212_ProjectUpdate_TarongaNutritionCentreandWildlife.pdf

Tracking:	Recipient	Delivery
	Brigitte Bradley	Delivered: 15/10/2021 12:43 PM
	Balazs Hansel	Delivered: 15/10/2021 12:42 PM
	Wade Goldwyer	Delivered: 15/10/2021 12:42 PM
	P0031212 Taronga Zoo (Wildlife Hospital)	Delivered: 15/10/2021 12:43 PM
	'nmoran@metrolalc.org.au'	
	'cazadirect@live.com'	
	'didgengunawalclan@yahoo.com.au'	
	'ginninderra.corp@gmail.com'	
	'waarlan12@outlook.com'	
	'ngambaaculturalconnections@hotmail.com'	
	'Dennis.Foley@canberra.edu.au'	
	'butuheritage@gmail.com'	
	'murrabidgeemullangari@yahoo.com'	
	'Gulaga'	
	'goobahchts@gmail.com'	
	'Philip khan'	

Hello all,

This email serves as an update to the ongoing consultation process for the Taronga Zoo Wildlife Hospital and Wildlife Hospital Nutrition Centre ACHA. This ACHA is being undertaken on behalf of the Taronga Conservation Society of Australia (TCSA, the Proponent) to support the Environmental Impact Statement (EIS) for the State Significant Development Application (SSDA), SSD-17655146.

Since the site survey for this project, further design development has occurred which has resulted in the division of the project into two separate projects – being the Wildlife Hospital Nutrition Centre as Project 1, and the Wildlife Hospital as Project 2 (indicated in Figure 2 below). A request has been submitted to the Department of Planning, Industry and Environment (DPIE) to amend the Secretary's Environmental Assessment Requirements (SEARs) for SSD-17655146 to divide the project on this basis, with the Nutrition Centre to remain under SSD-17655146, and new SEARs requested for the Wildlife Hospital site. No additional area is proposed as part of either SSDA, with the same footprint retained.

The Wildlife Hospital Nutrition Centre SSDA is intended to be lodged with DPIE in the coming months, with the Wildlife Hospital SSDA put on hold while the design is developed.



Figure 2 – Location of the subject area, with the purple polygon indicating the Nutrition Centre SSDA area, and the pink polygon indicating the Wildlife Hospital SSDA area.

The Letter attached provides further details on this update. If you could please review and provide any comments by COB 29TH October 2021, we would be appreciative. I will be in touch with you all next week to discuss and clarify should you have any questions.

Kind regards,

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
E mwalker@urbis.com.au

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13 October 2021

Dear All,

ABORIGINAL CULTURAL HERITAGE ASSESSMENT - TARONGA ZOO WILDLIFE HOSPITAL & WILDLIFE HOSPITAL NUTRITION CENTRE - PROJECT UPDATE

INTRODUCTION

This letter serves as an update to the ongoing Aboriginal Cultural Heritage Assessment (ACHA) for the Wildlife Hospital at Taronga Zoo, at Bradleys Head Road, Mosman (the subject area). This ACHA is being undertaken on behalf of the Taronga Conservation Society of Australia (TCSA, the Proponent) to support the Environmental Impact Statement (EIS) for the State Significant Development Application (SSDA), SSD-17655146.

BACKGROUND

Urbis have been in the process of preparing an ACHA for the subject area for which consultation has been ongoing. The subject area for the ACHA currently being prepared is shown in Figure 1.



Figure 1 – Location of the Subject Area indicated in red.



The current consultation process has been completed up to Stage 2: Presentation of Information about the Proposed Project and Stage 3: Gathering Information about the Proposed Project of the *Aboriginal Cultural Heritage Consultation Requirements for Proponents* (Consultation Requirements, DECCW:2010), with the Stage 2 and 3 Providing and Gathering Information document provided to Registered Aboriginal Parties (RAPs) on 7th June 2021. The archaeological survey was then undertaken on 6th July 2021 with inclusion of the RAPs. To date, the ACHA has identified generally **low-moderate** Aboriginal archaeological potential across the subject area. Comments received from the RAPs during Stage 3 of the consultation process and during the archaeological survey have indicated that the subject area is of high cultural significance, with particular reference to the area of remnant natural bushland in the south east. This area is also identified to be of high Aboriginal archaeological potential.

Since the archaeological survey, the project has been on hold while aspects of the design were resolved.

PROJECT UPDATE

Since the project was placed on hold, further design development has occurred which has resulted in the division of the project into two separate projects – being the Wildlife Hospital Nutrition Centre as Project 1, and the Wildlife Hospital as Project 2 (indicated in Figure 2 below). A request has been submitted to the Department of Planning, Industry and Environment (DPIE) to amend the Secretary's Environmental Assessment Requirements (SEARs) for SSD-17655146 to divide the project on this basis, with the Nutrition Centre to remain under SSD-17655146, and new SEARs requested for the Wildlife Hospital site. No additional area is proposed as part of either SSDA, with the same footprint retained.

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Figure 2 – Location of the subject area, with the purple polygon indicating the Nutrition Centre SSSA area, and the pink polygon indicating the Wildlife Hospital SSSA area.

CONTEXT

Urbis have provided the below summary of works and context for each of the new subject areas.

Wildlife Hospital Nutrition Centre

The proposed Wildlife Hospital Nutrition Centre occupies an area to the north west of the broader Taronga Zoo site. The area is currently occupied by existing back of house facilities including storage facilities, animal rehabilitation sheds and other non-customer facing facilities. This area is proposed to be developed into a Nutrition Centre. This will provide storage and preparation of food for zoo animals, as well as areas for research and development for nutrition as well as open plan offices and amenities to support the Nutrition and Hospital Staff. This area will generally not be accessible to zoo visitors but will continue to provide back of house facilities with improved connections to key areas of the Taronga Zoo.

During our assessment, Urbis have identified that this area is highly disturbed, with evidence of cutting and mounding across this portion of the Zoo, as well as building construction and modification of the topography. Historical research indicates a former incinerator occupied a portion of the subject area, and there are a number of underground services within this area including petrol storage tanks. During the site visit, it was identified that the entirety of this area was covered by buildings or asphalt and so no in-depth survey of the ground surface was possible, as Ground Surface Visibility (GSV) was 0%. It was discussed with RAPs during the archaeological survey that due to the high levels of disturbance and likely contamination of the site, no further archaeological investigations was deemed necessary.



The full results of the archaeological assessment and consultation for the Wildlife Hospital Nutrition Centre site will be provided in accordance with Stage 4 of the Consultation Requirements, being Review of Draft Cultural Heritage Assessment Report, to be provided to RAPs in early November.

Wildlife Hospital

The proposed Wildlife Hospital occupies an area to the south of the Nutrition Centre site, and is currently occupied by the c.1930s Serpentaria, the Koala Walkabout enclosure, storage container exhibits for frogs and an area of natural remnant bushland vegetation. The proposal for the Wildlife Hospital will include the demolition of existing facilities including the Serpentaria and construction of a hospital building, inclusive of rehabilitation facilities (including wildlife intensive care and Marine turtle facilities), surgeries, necropsy room/s, pathology labs, medical equipment and supplies storage, medical equipment and quarantine facilities. This proposal will also include site connectivity links including elevated natural walkway to the hospital from existing zoo entry.

During our assessment, Urbis have identified that portions of this subject area are highly disturbed including the existing Serpentaria building footprint. However, the Wildlife Hospital subject area also contains one of the only remaining areas of natural unmodified bushland within the Taronga Zoo site, which has been determined to be of high Aboriginal archaeological potential. The only works proposed in this area currently include the removal of intrusive elements including mock-rock and exhibits, and the construction of an elevated walkway. The site visit confirmed this area as significant with the advice remaining that no major works are to occur in this area.

The full results of the archaeological assessment and consultation for the Wildlife Hospital site will be provided in Stage 4 of the Consultation Requirements, being Review of Draft Cultural Heritage Assessment Report, to be provided to RAPs at a later date.



IMPLICATIONS FOR CONSULTATION

The division of the ACHA into two separate reports to support the separate SSDA pathways is not anticipated to have a major impact on the process, and it has been determined that the consultation undertaken to date is sufficient for both ACHAs. Urbis is therefore proposing to continue consultation for the two SSDAs under the established consultation process, with no further archaeological survey planned. From this point on the consultation process for each project will be separated, with a separate Stage 4: Review of Draft Cultural Heritage Assessment Report review period for both the Wildlife Hospital Nutrition Centre ACHA (SSD-17655146) and the Wildlife Hospital ACHA (SSD No. TBC). In accordance with the project timeline, Urbis intend to issue the Wildlife Hospital Nutrition Centre Stage 4 Draft ACHA to all RAPs in early November. Consultation for the Wildlife Hospital ACHA will be kept ongoing until such a time as design is finalised and the Stage 4 Draft ACHA for this project can be issued.

Urbis have provided this letter to all RAPs to inform you of the change to the projects and we invite you to provide any comments you may have on this process. We request that comments be provided by **COB Friday 29th October 2021**.

Urbis and the TCSA would like to take this opportunity to thank you for your ongoing involvement in the Taronga Zoo projects, and we look forward to working with you towards finalisation of both the Wildlife Hospital Nutrition Centre and Wildlife Hospital ACHAs.

Yours sincerely,

A handwritten signature in blue ink, appearing to read "M Walker".

Meggan Walker
Consultant
+61 2 8233 7626
mwalker@urbis.com.au

Meggan Walker

From: lilly carroll <didgengunawalclan@yahoo.com.au>
Sent: Thursday, 21 October 2021 5:07 PM
To: Meggan Walker; Brigitte Bradley; Balazs Hansel; Wade Goldwyer
Cc: P0031212 Taronga Zoo (Wildlife Hospital)
Subject: Re: Project Update -ACHA - Taronga Zoo Wildlife Hospital and Wildlife Hospital Nutrition Centre - P0031212

Hi guys

DNC is happy with everything from our end cheers

[Sent from Yahoo Mail for iPhone](#)

On Friday, October 15, 2021, 12:41 pm, Meggan Walker <mwalker@urbis.com.au> wrote:

Hello all,

This email serves as an update to the ongoing consultation process for the Taronga Zoo Wildlife Hospital and Wildlife Hospital Nutrition Centre ACHA. This ACHA is being undertaken on behalf of the Taronga Conservation Society of Australia (TCSA, the Proponent) to support the Environmental Impact Statement (EIS) for the State Significant Development Application (SSDA), SSD-17655146.

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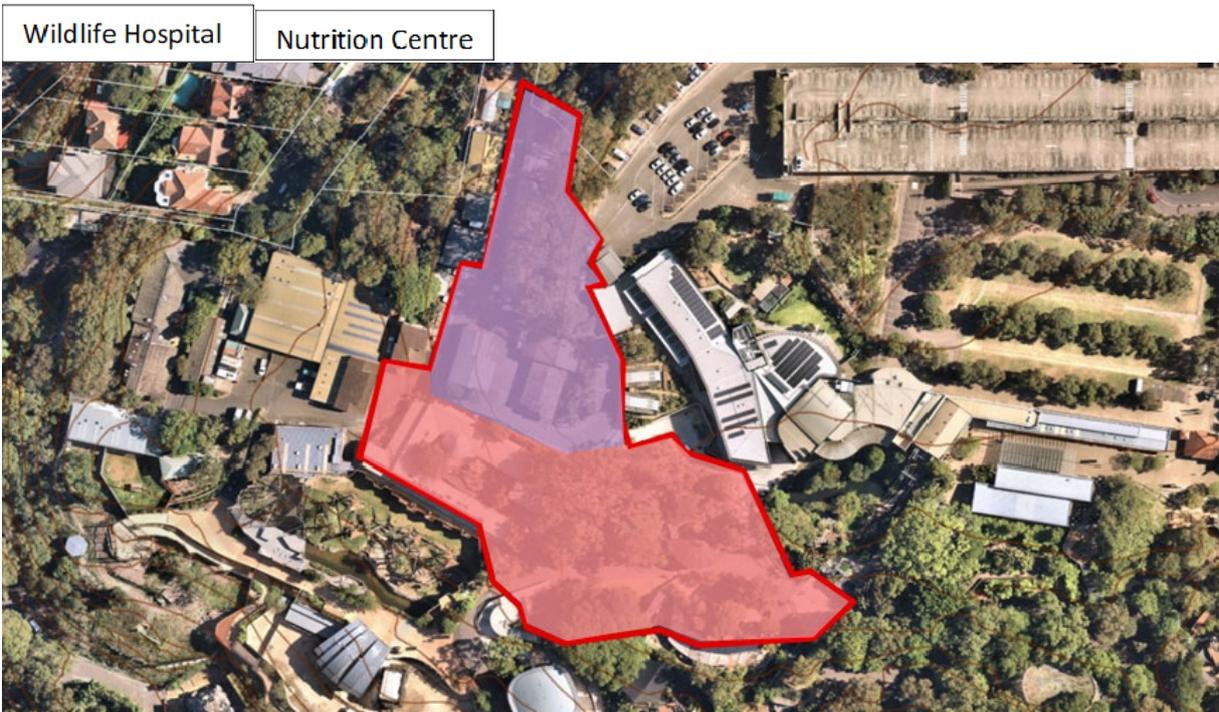


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The Letter attached provides further details on this update. If you could please review and provide any comments by **COB 29TH October 2021**, we would be appreciative. I will be in touch with you all next week to discuss and clarify should you have any questions.

Kind regards,

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
E mwalker@urbis.com.au

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Meggan Walker

From: Gulaga <gulagachts@gmail.com>
Sent: Tuesday, 19 October 2021 4:23 PM
To: Meggan Walker
Cc: Brigitte Bradley; Balazs Hansel; Wade Goldwyer; P0031212 Taronga Zoo (Wildlife Hospital)
Subject: Re: Project Update -ACHA - Taronga Zoo Wildlife Hospital and Wildlife Hospital Nutrition Centre - P0031212

Thank you for the update.

Kind Regards
Wendy Smith
Cultural Heritage Officer



This email may contain privileged information. Privilege is not waived if it has been sent to you in error, or if you are not the intended recipient. Please immediately notify me and delete the email if you have received this in error.

On Fri, Oct 15, 2021 at 12:41 PM Meggan Walker <mwalker@urbis.com.au> wrote:

Hello all,

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Wildlife Hospital

Nutrition Centre



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The Letter attached provides further details on this update. If you could please review and provide any comments by COB 29TH October 2021, we would be appreciative. I will be in touch with you all next week to discuss and clarify should you have any questions.

Kind regards,

MEGGAN WALKER
CONSULTANT

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Meggan Walker

From: Darleen Johnson <murrabidgeemullangari@yahoo.com.au>
Sent: Monday, 18 October 2021 12:55 PM
To: Meggan Walker
Subject: Re: Project Update -ACHA - Taronga Zoo Wildlife Hospital and Wildlife Hospital Nutrition Centre - P0031212

Follow Up Flag: Follow up
Flag Status: Flagged

Dear Meggan

I have read the project information and changes to the project, I endorse the recommendations made.

Kind regards

Darleen

On Friday, 15 October 2021, 01:00:23 pm AEDT, Meggan Walker <mwalker@urbis.com.au> wrote:

Hello all,

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Wildlife Hospital

Nutrition Centre



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From: [Meggan Walker](#)
To: [Wade Goldwyer](#)
Subject: FW: Project Update -ACHA - Taronga Zoo Wildlife Hospital and Wildlife Hospital Nutrition Centre - P0031212
Date: Friday, 19 November 2021 10:23:19 AM
Attachments: [FB8CA923A1274C1DA0FBAB488C4106E8.png](#)
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[image012.png](#)
[image019.png](#)
[image020.png](#)
[image021.png](#)
[image022.png](#)

MEGGAN WALKER she/her/hers
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It's time to unwind.

Like many communities, the lockdowns in NSW and VIC have been a challenge for our own.

On Monday 1 November and Monday 6 December our #cityshaper offices in Melbourne, Geelong, Sydney and Parramatta will close so that our teams can relax, unwind and enjoy a long weekend

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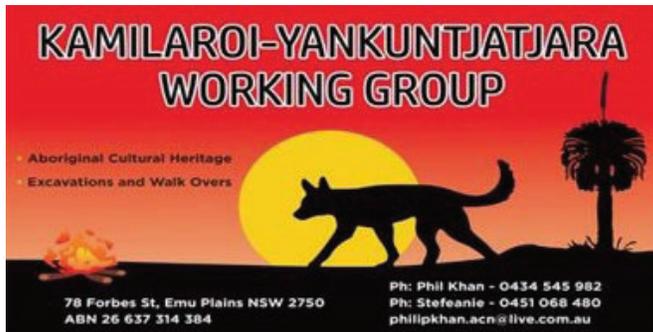
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From: Philip khan <philipkhan.acn@live.com.au>
Sent: Monday, 1 November 2021 3:44 PM
To: Meggan Walker <mwalker@urbis.com.au>
Subject: RE: Project Update -ACHA - Taronga Zoo Wildlife Hospital and Wildlife Hospital Nutrition Centre - P0031212

Hi Meggan,

As per our conversation I agree with your recommendations as mentioned on the phone verbally.

Kind Regards
Kadi Khan



Sent from [Mail](#) for Windows 10

From: [Meggan Walker](#)

Sent: Friday, 15 October 2021 12:41 PM

To: [Brigitte Bradley](#); [Balazs Hansel](#); [Wade Goldwyer](#)

Cc: [P0031212 Taronga Zoo \(Wildlife Hospital\)](#)

Subject: Project Update -ACHA - Taronga Zoo Wildlife Hospital and Wildlife Hospital Nutrition Centre - P0031212

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Kind regards,

MEGGAN WALKER

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Meggan Walker

From: Meggan Walker
Sent: Tuesday, 2 November 2021 9:16 AM
To: Balazs Hansel
Cc: P0031212 Taronga Zoo (Wildlife Hospital)
Subject: Stage 4 Draft ACHA - Taronga Wildlife Hospital Sydney - The Nutrition Centre
Attachments: 03_P31212_TarongaZoo_NutritionCentre_ACHA_reduced.pdf

Hello all,

Following on from our correspondence on the 15th of October, please find attached the draft Taronga Wildlife Hospital Sydney – The Nutrition Centre Aboriginal Cultural Heritage Assessment for your review in accordance with Stage 4 of the Consultation Requirements.

Please let us know if you have any questions or comments. Please provide comments in writing, and preferably by return email, by **29th November 2021**.

Thank you all for your contributions to this project so far.

Kind regards,

MEGGAN WALKER
CONSULTANT

D +61 2 8233 7626
E mwalker@urbis.com.au

**SHAPING
CITIES AND
COMMUNITIES**



ANGEL PLACE, LEVEL 8, 123 PITT STREET
SYDNEY, NSW 2000, AUSTRALIA
T +61 2 8233 9900

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Meggan Walker

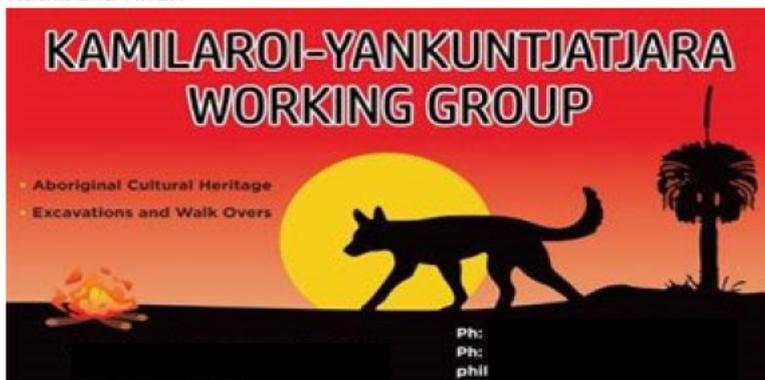
From: Philip khan <philipkhan.acn@live.com.au>
Sent: Thursday, 18 November 2021 12:34 PM
To: Meggan Walker
Subject: Re: Stage 4 Draft ACHA - Taronga Wildlife Hospital Sydney - The Nutrition Centre

Dear Meggan,

Thank you for your draft ACHA for Taronga Wildlife Hospital Sydney. Aboriginal people have walked this land for tens of thousands of years and continue to do so, whilst managing and caring for country. We hold a deep connection to the land water, sky, and fire. We have passed on our knowledge from generation to generation through word of mouth, this continues to happen today. We look to the sky for guidance and follow the water ways and apply our knowledge to the land our mother as she provides to us many resources that we always give back to her in many ways. We have a belief system of kinship and followed lore, we also have a spiritual connection to the land and all that surrounds it. There are burials that we are not aware of the location of due to colonisation and disposition of the land we must be mindful of these when excavating the land.

We KYWG would like to agree to your recommendations, and we support you ACHA. We look forward to further consultation and working alongside you on this project.

Kind Regards
Kadibulla Khan



From: Meggan Walker <mwalker@urbis.com.au>
Sent: Tuesday, 2 November 2021 9:15 AM
To: Balazs Hansel <bhansel@urbis.com.au>
Cc: P0031212 Taronga Zoo (Wildlife Hospital) <P0031212@urbisau.onmicrosoft.com>
Subject: Stage 4 Draft ACHA - Taronga Wildlife Hospital Sydney - The Nutrition Centre

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Kind regards,

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APPENDIX C

CONSULTATION LOG

Date	Time	Type	Contacted	Contacted Individual	Contacted by	Contacted by Individual	Subject	Reply	Follow-up needed?	Person actioned	Comment
Stage 1 Agency notice											
3/02/2021	10:15am	email	NNTT	N/A	Urbis	Meggan Walker (MW)	Native Title Search		N/A	MW	websearch also completed
4/02/2021	4:36pm	Email	Urbis	MW	NNTT	Geospatial Services	Native Title Search	Freehold land responses requested by	N/A	MW	N/A
8/02/2021	1:26pm	email	Mosman Council, MLALC, NTSCorp, ORALRA, HeritageNSW, GSLLS	N/A	Urbis	MW	Stage 1.2 Agency Letters	16/02/21	N/A	MW	N/A
10/02/2021	12:16pm	email	Urbis	MW	ORALRA	NA	Stage 1.2 Agency Letters	contact the lalc	N/A	MW	N/A
18/02/2021	9:53pm	email	Urbis	MW	DPC	Paul Houston	DPC Letter stakeholders	n/a	N/A	MW	N/A
22/02/2021	4:48pm	email	all 44 identified potential RAPS	N/A	Urbis	MW	Invitation to Register	responses requested by	N/A	MW	3 sent by express mail
24/02/2021	NA						Public notice published - KooriMail - Responses by 10/03/2021				
23/02/2021	10am-1pm	in person					discussed in report		N/A	MW	N/A
Stage 1 RAP notice/advertisement											
22/02/2021	4:50pm	email	Urbis	MW	DNC	Paul Boyd and Lilly Carroll	Registered for the project	contact person Paul or Jolene Smith	N/A	MW	N/A
23/02/2021	2:46pm	email	Dennis Foley	N/A	Urbis	MW	following up on comments made on site visit	N/A	N/A	MW	N/A
22/02/2021	11:13pm	email	Urbis	MW	A1 Indigenous Services Ginninderra Aboriginal Corp	Carolyn Hickey	Registered for the project	filed and acknowledged	N/A	MW	N/A
23/02/2021	11:02am	email	Urbis	MW		Krystle Carroll-Elliott	Registered for the project	filed and acknowledged	N/A	MW	N/A
23/02/2021	11:53am	email	Urbis	MW	KYWG Wailwan Aboriginal Group	Phil Khan	Registered for the project	filed and acknowledged	N/A	MW	N/A
23/02/2021	9:03pm	email	Urbis	MW		Phillip Boney	Registered for the project	filed and acknowledged	N/A	MW	N/A
24/02/2021	2:34pm	email	Urbis	MW	Murrabidgee Mullangari	Ryan Johnson	Registered for project	acknowledged	N/A	MW	Registered for both
26/02/2021	11:04am	email	Urbis	MW	Ngambaa	Kaarina Slater	Registered for the project	filed and acknowledged	N/A	MW	N/A
4/03/2021	8:16pm	email	Urbis	MW	Gulaga	Wendy Smith	Registered for the project	filed and acknowledged	N/A	MW	N/A
5/03/2021	12:08pm	email	Urbis	MW	Goobah	Basil Smith	Registered for the project	filed and acknowledged	N/A	MW	N/A
10/03/2021	5:00pm						stage 1 registration closed				
11/03/2021	2:21am	email	Urbis	MW	Butucarbin	Jennifer Beale	Registered for the project	filed and acknowledged	N/A	MW	N/A
14/03/2021	10:28pm	email	Urbis	MW	A1 Indigenous Services	Carolyn Hickey	Registered for the project	filed and acknowledged	N/A	MW	N/A
24/05/2021	2:38pm	email	DPC/LALC	N/A	Urbis	MW	Stage 1.6 list of RAPS	N/A	N/A	MW	N/A
Stage 2 and 3											
7/06/2021	10:15am	email	All RAPS	N/A	Urbis	MW	Stage 2 and 3		N/A	MW	N/A
8/06/2021	7:57pm	email	Urbis	MW	Gulaga	Wendy Smith	Stage 2 and 3 response - "received"	filed and acknowledged	N/A	MW	N/A
23/06/2021	10:40am	email	Urbis	MW	KYWG	Kadi Khan	Stage 2 & 3 response - see report	filed and acknowledged	N/A	MW	N/A
2/07/2021	10:41am	email	All RAPS	N/A	Urbis	MW	Invitation to Site visit	N/A	N/A	MW	N/A
2/07/2021	11:00am	email	Urbis	MW	DNC	Lilly Carroll	confirmed attendance	filed and acknowledged	N/A	MW	N/A
2/07/2021	11:36am	email	Urbis	MW	Murrabidgee Mullangari	Ryan Johnson	confirmed attendance	filed and acknowledged	N/A	MW	N/A
4/07/2021	3:38pm	email	Urbis	MW	KYWG	Stefanie Khan	confirmed attendance	filed and acknowledged	N/A	MW	N/A
5/07/2021	4:01am	email	Urbis	MW	Butucarbin	Lowanna Gibson	confirmed attendance	filed and acknowledged	N/A	MW	N/A
5/07/2021	3:11pm	email	Urbis	MW	Ginninderra Aboriginal Corp	Krystle Carroll-Elliott	declined attendance	filed and acknowledged	N/A	MW	N/A
15/07/2021	10:30am	email	All RAPS	N/A	Urbis	MW	site survey summary letter	response by 22nd july	N/A	MW	N/A
23/07/2021	11:11am	email	Urbis	MW	KYWG	Kadi Khan	survey letter response - see report	filed	N/A	MW	N/A
Stage 4											
15/10/2021	12:41pm	Email	All RAPS	N/A	URBIS	MW	Project update	ACHA being split into 2	N/A	MW	N/A
18/10/2021	12:55pm	Email	Urbis	MW	Murrabidgee Mullangari	Darleen Johnson	Project Update	Acknowledged and endorsed	N/A	MW	N/A
19/10/2021	4:23pm	Email	Urbis	MW	Gulaga	Wendy Smith	Project update	Acknowledged	N/A	MW	N/A
21/10/2021	5:07pm	email	Urbis	MW	DNC	Lilly Carroll	Project update	Acknowledged and accepted	N/A	MW	N/A
22/10/2021	4:32pm	phone	MLALC	N/A	Urbis	MW	Project update	No answer - voicemail left	N/A	MW	N/A
22/10/2021	4:35pm	phone	Goobah	Basil Smith	Urbis	MW	Project update	Call couldn't be connected	N/A	MW	N/A
25/10/2021	10:08am	phone	TAAG	Dennis Foley	Urbis	MW	Project update	No answer	N/A	MW	N/A
25/10/2021	10:09am	phone	Butucarbin	Lowanna Gibson	Urbis	MW	Project Update	answer - not Lowanna - will call back	N/A	MW	N/A
25/10/2021	10:13am	phone	Wailwan	Phil Boney	Urbis	MW	Project update	No answer - no voicemail	N/A	MW	N/A
25/10/2021	10:15am	phone	Ngambaa	Kaarina Slater	Urbis	MW	Project Update	Answer - no comments - will reply to email	N/A	MW	N/A
25/10/2021	10:18am	phone	A1	Carolyn Hickey	Urbis	MW	Project Update	A1 supports	N/A	MW	N/A

25/10/2021 10:20am	phone	Urbis	MW	TAAG	Dennis Foley	Project Update	Dennis in support as long as footprint not changing	N/A	MW	N/A
25/10/2021 10:26am	phone	Ginninderra Aboriginal Corp	Crystle Carroll	Urbis	MW	Project update	No answer	N/A	MW	N/A
25/10/2021 11:33am	phone	KYWG	Kadibulla Khan	Urbis	MW	Project Update	Answered - No issues- will respond via email	N/A	MW	N/A
1/11/2021 3:44pm	email	Urbis	MW	KYWG	Kadibulla Khan	Project Update	As per our conversation I agree with your recommendations as mentioned on the phone verbally.	N/A	WG	N/A
2/11/2021 9:15am	email	All RAPs	N/A	URBIS	MW	Draft ACHA	Sent through draft ACHA with cut off date for feedback being 29 November 2021.	Yes	WG	N/A
18/11/2021 12:34pm	email	Urbis	MW	KYWG	Kadibulla Khan	Draft ACHA Response	Agrees with recommendations and supports ACHA	N/A	WG	N/A

