

QANTAS AIRWAYS LIMITED FLIGHT TRAINING CENTRE

ABORIGINAL CULTURAL HERITAGE ASSESSMENT REPORT

15 JULY 2019
P00003994
PREPARED FOR QANTAS AIRWAYS LIMITED

URBIS

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EXECUTIVE SUMMARY

Urbis Pty Ltd (Urbis) has been commissioned by Qantas Airways Ltd (Qantas) to prepare this Aboriginal Cultural Heritage Assessment Report (ACHAR) in accordance with the technical requirements of the Secretary's Environmental Assessment Requirements (SEARs), and in support of the SSD 10154 for the development of a new flight training centre at 297 King Street, Mascot (The Site).

The new facility is required as a result of the proposed Sydney Gateway Project (Gateway), which will widen Qantas Drive into the boundary of the existing facility; and the construction and ongoing use of Gateway that will exceed the Civil Aviation Safety Authority's requirement in relation to the operation of Qantas' flight simulators in their present location.

Safety is Qantas' first priority, and the flight training centre is a key pillar of that value. The facility is essential for the training and periodic testing of pilots and flight crew and includes simulations of both aircraft and emergency procedural environments. The Project seeks consent for the construction and operation of a new flight training centre, comprising four key elements: an emergency procedures hall (western half), a flight training hall (eastern half), teaching areas and office space. A multi-level carpark is proposed north of the training centre and in the north-eastern portion of The Site as well as other minor ancillary works.

The Site is located within the Bayside Local Government Area, the traditional land of the Eora nation, also recognised as the coastal Darug Group. Only one archaeological site is within a 1km buffer of the Site, however it was first identified in the 19th Century, and all archaeological material is understood to have been salvaged during the creation of the Alexandria Canal. Following arrival of European colonisers, the Site has been used for farming and agricultural purposes, commercial and industrial uses including glass bottle manufacturing, smelting and heavy equipment storage, and is presently used as a car park. There are no undeveloped areas or landforms of potential archaeological significance.

Overall, the surrounding area is highly developed and the subject of significant levels of ground disturbance, primarily arising from the development of the area for the airport. The level of disturbance within the Site based on historic land uses is high, and there is low potential for intact, in-situ archaeological deposits.

The Project is not anticipated to result in high levels of ground disturbance overall, rather, subject to localised excavation for piling or similar for structural loading of the future building, but the construction methodology is still dependent on final designs. A pool may be constructed, requiring excavation to approximately 4m depth. The pool is currently proposed in the south-west of the site, with bore logs indicating fill in this general area is between 2.5 and at least 3m depth. This fill is believed to overly natural ground, therefore there is potential for the pool to be excavated into natural soil layers. However, it is believed that the fill was laid for the creation of a level surface for the car park, and therefore the natural layers beneath are likely to be significantly disturbed as a result of historical land uses. Non-Aboriginal cultural materials have been identified in the fill layer and upper layer of the natural soil, including ash, glass, scrap metal, tiles, and wood chips.

The results of the archaeological context assessment and predictive model suggest that should natural soil layers be present below the existing fill layers, there is low potential for the presence of cultural material, most likely shell deposits or artefacts. If historic land uses have disturbed natural layers, any such deposits are unlikely to be in-situ. The Site is not considered to have had a location or landscape features desirable for long term occupation or habitation, and it is unlikely that there are substantial complex deposits of significant scientific value that would be impacted by the excavation and construction for the pool, but there may be impacts on the cultural values of the site and local area. With broader consideration of the fill levels across the site, positioning the pool in the south-west of the Site is more likely to result in the least impact on non-fill soil levels, as this general area is understood to have the deepest deposits of fill material.

Based on a current understanding of the environmental and archaeological context of the Site, and the scope of the proposed works for the Project, direct or indirect impacts to archaeological deposits are considered unlikely, and no further archaeological investigation is considered to be required for the Project. However, a procedure for unexpected finds of archaeological material must be implemented, and if broad or substantial excavation is proposed in future, further consideration of impacts may be required.

Cultural Heritage Induction

It is recommended that induction materials be prepared for inclusion in site inductions for any contractors working at the Site. The induction material should include an overview of the types of sites to be aware of (i.e. artefact scatters or concentrations of shells that could be middens), obligations under the NPW Act, and

the requirements of an archaeological finds procedure (refer below), which should be prepared for the project and included in any site management plans.

The induction material may be in paper-based, included in any hard copy site management documents; or electronic, such as "Powerpoint" for any face to face site inductions.

Archaeological Finds Procedure

Although considered unlikely, should any archaeological deposits be uncovered during any site works, a procedure must be implemented. The need to implement an Archaeological Finds Procedure has been identified by one RAP as a project requirement. This should include:

1. All works stop in the vicinity of the find. The find must not be moved 'out of the way' without assessment;
2. Site supervisor, or other nominated site representative must contact either the project archaeologist (if relevant) or OEH, who can identify a suitably qualified archaeologist;
3. Archaeologist examines the find, provides a preliminary assessment of significance, records the item and decides on appropriate management, in conjunction with the RAPs for the Project. Such management may require further consultation with OEH, preparation of a research design and archaeological investigation/ salvage, preparation of AHIMS Site Card and request for an AHIP from OEH, or preparation of an Aboriginal Cultural Heritage Management Plan;
4. Depending on the significance of the find, reassessment of the archaeological potential of the Site may be required, and further archaeological investigation;
5. Report may need to be prepared regarding the find and approved management strategies. Any such documentation should be appended to this ACHAR, and revise accordingly;
6. Works at the find can only recommence upon relevant approvals from OEH.

Human Remains

In the unlikely event that human remains are uncovered during any site works, the following must be undertaken:

1. All works within the vicinity of the find immediately stop;
2. Site supervisor or other nominated manager must notify the NSW Police, and OEH;
3. The find must be assessed by the NSW Police, and may include the assistance of a qualified forensic anthropologist;
4. Management recommendations are to be formulated by the Police, OEH, and site representatives;
5. Works are not to recommence until the find has been appropriately managed.

GLOSSARY

Table 1 – Glossary of Terms used in this report

Term	Definition
The Site	Qantas Airways Limited owned land in Mascot to the north of Sydney Kingsford Smith Airport consisting of Lots 2 & 4 DP 234489, Lot 1 DP 202747, Lot B DP 164829 and Lot 133 DP 659434. Current site improvements include including at-grade car parking for Qantas staff, an industrial shed to store spare aviation parts, a substation, a disused gatehouse, a Sydney Water Asset with two driveways over it, the Qantas catering facility and Qantas tri-generation plant.
The Project	The construction of a new Flight Training Centre and ancillary uses to replace the existing facility on the Qantas Jetbase that will be impacted by RMS' Sydney Gateway Project.
Mascot Campus	<p>Over 19ha of Qantas Airways Limited controlled land in Mascot to the north of Sydney Kingsford Smith Airport consisting of freehold and leased land.</p> <p>The following lots are owned by Qantas: Lot 133 DP 659434; Lots 4 & 5 DP 38594 Lot 23 DP 883548; Lots 1 & 2 DP 738342; Lot 3 DP 230355; Lot 4 DP 537339; Lots 2 & 4 DP 234489; Lot 4 234489; Lot 1 DP 81210; Lot 1 DP 202093; Lot 1 DP 721562; Lot 2 DP 510447; Lot 1 DP 445957; Lot B DP 164829 and Lot 1 DP 202747 and equates to 16.5ha of land.</p> <p>The following lots are leased by Qantas: Lot 14 DP 1199594 and Lot 2 DP 792885 and equates to 2.7ha of land.</p>
Jetbase	Qantas leased land within the boundaries of Sydney Kingsford Smith Airport.
Sydney Gateway Project	An RMS Project including a road and rail component that is intended to increase capacity and improve connections to the ports to assist with growth in passenger, freight and commuter movements across the region, by expanding and improving the existing road and freight rail networks.

ABBREVIATIONS

Table 2 – List of abbreviations used in this report

Acronym	Definition
ACHAR	Aboriginal Cultural Heritage Assessment Report
AHIP	Aboriginal Heritage Impact Permit
AHIMS	Aboriginal Heritage Information Management System
ALR Act	<i>Aboriginal Land Rights Act 1983</i>
BBLEP	<i>Botany Bay Local Environmental Plan 2013</i>
ca.	Circa (approximately)
CASA	Civil Aviation Safety Authority
CBD	Central Business District
Consultation Guidelines	Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010
DDCoP	Due Diligence Code of Practice for the Protection of Aboriginal Objects in NSW
DECCW	Department of Environment, Climate Change and Water (former)
EIS	Environmental Impact Statement
EMP	Environmental Management Plan
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i>
ESA	Environmental Site Assessment
Gateway	Sydney Gateway Project
ha	Hectares
HIS	Heritage Impact Statement
IBRA	Interim Biogeographic Regionalisation for Australia
LALC	Local Aboriginal Land Council
LEP	Local Environmental Plan
LGA	Local Government Area
NLA	National Library of Australia
NNTT	National Native Title Tribunal

Acronym	Definition
NPW Act	<i>National Parks and Wildlife Act 1974</i>
NPW Regulation	<i>National Parks and Wildlife Regulation 2009</i>
NSW	New South Wales
NTA	<i>Native Title Act 1993</i>
NSWALC	NSW Aboriginal Land Council
OEH	Office of Environment and Heritage
Qantas	Qantas Airways Limited
RAPs	Registered Aboriginal Parties
RMS	NSW Roads and Maritime Services
SEARs	Secretary's Environmental Assessment Requirements
SEED	Sharing and Enabling Environmental Data
Simulators	Full Motion Flight Simulators
SiX	Spatial Information Exchange (NSW)
sqm	Square Metres
SSD	State Significant Development
SHR	State Heritage Register
the Airport	Sydney Kingsford Smith Airport
Urbis	Urbis Pty Ltd

1. INTRODUCTION

Urbis Pty Ltd (Urbis) has been commissioned by Qantas Airways Ltd (Qantas) to prepare this report in accordance with the technical requirements of the Secretary's Environmental Assessment Requirements (SEARs), and in support of the **SSD 10154** for the development of a new flight training centre at 297 King Street, Mascot (The Site).

1.1. PROJECT BACKGROUND

Qantas has significant leases within the Airport and Mascot more broadly, including 16.5 hectares of freehold land to the north of the Airport, to support its operations. Qantas presently operates a flight training centre at the Qantas Jet Base, Qantas Drive, Mascot, but requires its relocation as a result of the Sydney Gateway Project (Gateway).

Gateway, proposed by Roads and Maritime Services (RMS), is a critical piece of infrastructure intending to improve connections to the ports and increase capacity of the road and rail network through expansions and improvements. As part of Gateway, Qantas Drive will be widened by approximately 16m, which will require partial demolition of Qantas' existing flight training centre. Further, the vibrations associated with the construction and operation of Gateway will exceed the Civil Aviation Safety Authority's (CASA) regulatory requirement in relation to the operation of Qantas' flight simulators in their present location.

As a consequence of Gateway's construction and operations, Qantas must relocate its existing flight training centre, and the proposed new location is at the northern side of Qantas Drive, at 297 King Street. The new flight training centre is proposed to be the largest such facility in the Southern Hemisphere. To achieve the timeframes for Gateway established by RMS construction of the replacement flight training centre must commence no later than 01 September 2019.

1.1.1. Secretary's Environmental Assessment Requirements

This report is an Aboriginal Cultural Heritage Assessment Report (ACHAR), to assess the potential for Aboriginal archaeological remains to be present on site, and impacted by the proposed works. It is prepared in response to SEARs Key Issue: Heritage, requiring *the preparation of an Aboriginal Cultural Heritage Assessment Report*.

1.2. SITE LOCATION

The Site is located at 297 King Street, Mascot and comprises land known as Lots 2 & 4 DP 234489, Lot 1 DP 202747, Lot B DP 164829 and Lot 133 DP 659434. The Site is identified in Figures 1 and 2. More detail about The Site is at Section 4.

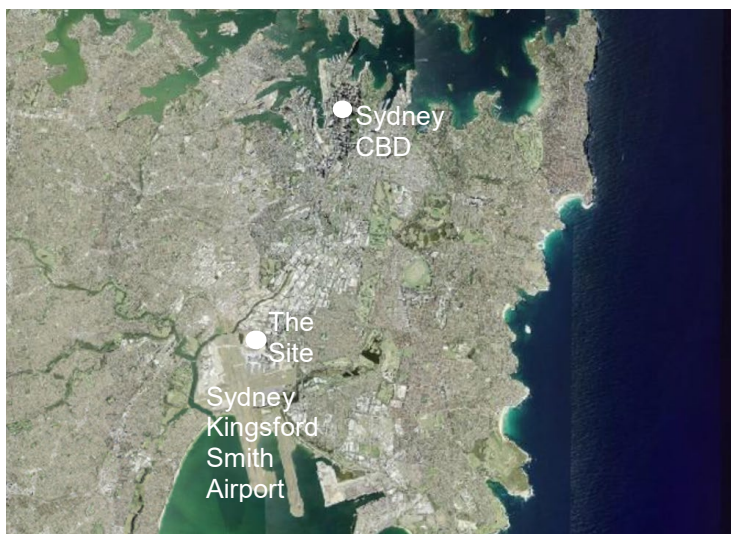


Figure 1 – Location of The Site relative to Sydney CBD and the Airport

Source: SiX Maps and Urbis 2019

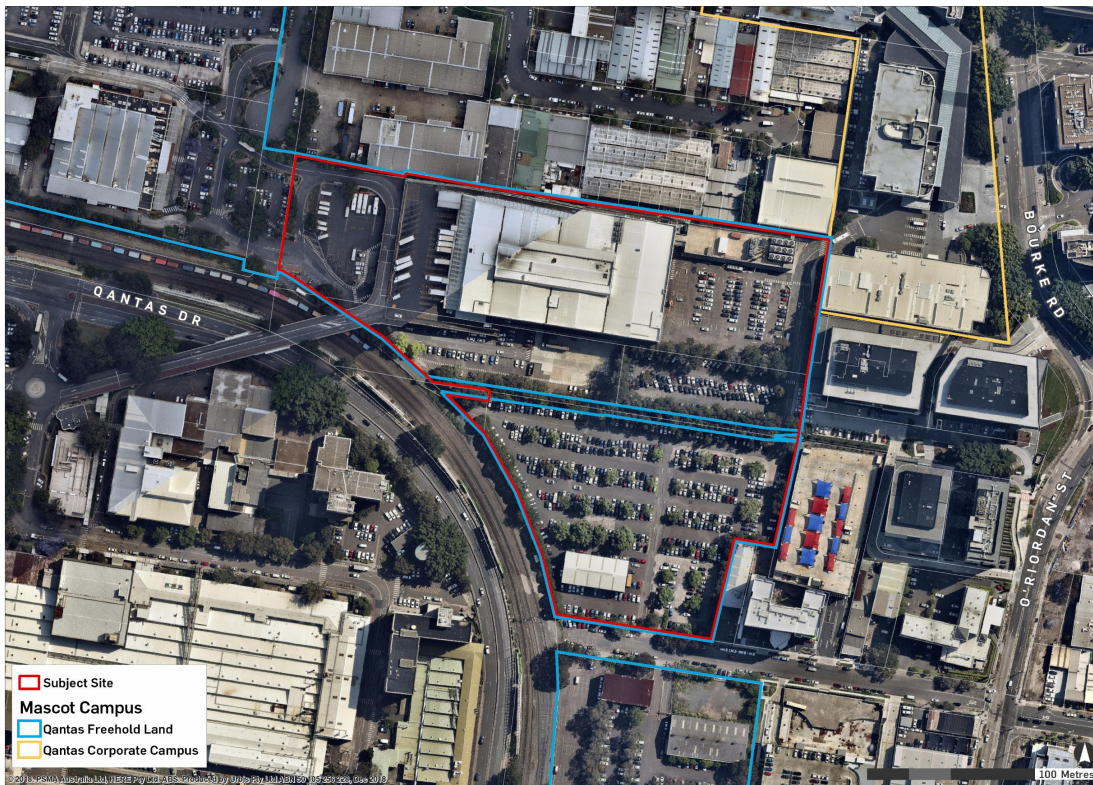


Figure 2 – The Site outlined in red

Source: Urbis 2019

1.3. PROJECT PROPOSAL

Safety is Qantas' first priority, and the flight training centre is a key pillar of that value. The facility is essential for the training and periodic testing of pilots and flight crew and includes simulations of both aircraft and emergency procedural environments. Further information about the facility is at Section 8.

The Project seeks consent for the construction and operation of a new flight training centre, comprising four key elements: an emergency procedures hall (western half), a flight training hall (eastern half), teaching areas and office space. A multi-level carpark is proposed north of the training centre and in the north-eastern portion of The Site as well as other minor ancillary works.

A render of the proposed construction is at Figure 3, and more detail about The Project is at Section 8.

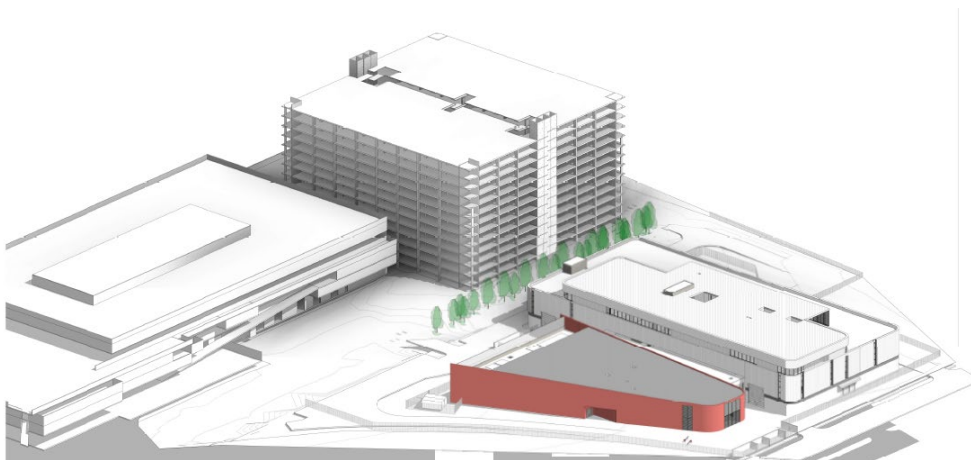


Figure 3 – Proposed construction, with flight training facility at foreground right, and car park at background middle

Source: Noxon Giffen Architects 2019

1.4. METHODOLOGY

The preparation of this ACHAR has involved the following:

- Background research and review of project proposal documents;
- Search of Aboriginal Heritage Information Management System (AHIMS);
- Consultation with Aboriginal parties;
- Preparation of ACHAR in accordance with the following guidelines:
 - Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010 (DECCW 2010) (the Consultation Guidelines)
 - Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW (OEH 2011) (the Assessment Guidelines)
 - Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW (DECCW 2010)

1.5. LIMITATIONS

A site inspection has not been undertaken specifically for the preparation of this ACHAR. Site inspections and photography have been undertaken by Urbis between 2018 and 2019, and those results inform this ACHAR.

This report is limited to a presentation and analysis of potential impacts on the Aboriginal archaeological potential of the Site only.

No archaeological excavation or sub-surface testing has been undertaken for the purposes of this report.

Proposed drawings of the new facility that have been reviewed for the purposes of this ACHAR are preliminary only. At this stage, no bulk excavation is anticipated, however the specifics for excavation of structural elements such as piles (if needed) has not yet been determined. The full scope of construction and specific excavation details and methodologies are not at this stage determined or finalised, and are subject to preparation by the future appointed Contractor for the works.

2. STATUTORY CONTROLS

2.1. THE NATIONAL PARKS AND WILDLIFE ACT 1974 (NSW)

The *National Parks and Wildlife Act 1974* (NSW) (NPW Act) is the primary piece of legislation for the protection of Aboriginal cultural heritage in New South Wales. The OEH and the NSW Minister for Heritage administer the NPW Act. Part 6 of the NPW Act provides statutory protection for Aboriginal objects by making it illegal to harm Aboriginal objects and Aboriginal places, and by providing two tiers of offence against which individuals or corporations who harm Aboriginal objects or Aboriginal places can be prosecuted. The NPW Act defines Aboriginal objects and Aboriginal places:

Aboriginal object means any deposit, object or material evidence (not being a handicraft made for sale) relating to the Aboriginal habitation of the area that comprises New South Wales, being habitation before or concurrent with (or both) the occupation of that area by persons of non-Aboriginal extraction, and includes Aboriginal remains.

Aboriginal place means any place declared to be an Aboriginal place under section 84 of the NPW Act. The highest tier offences are reserved for knowledgeable harm of Aboriginal objects or knowledgeable desecration of Aboriginal places. Second tier offences are strict liability offences—that is, offences regardless of whether the offender knows they are harming an Aboriginal object or desecrating an Aboriginal place—against which defences may be established under the *National Parks and Wildlife Regulation 2009* (NSW) (the ‘NPW Regulation’).

Part 6, Section 87 of the NPW Act establishes defences against prosecution under s.86 (1), (2) or (4). The defences are as follows:

- An Aboriginal Heritage Impact Permit (AHIP) authorising the harm (s.87(1)), issued by the Chief Executive of OEH under s.90;
- Exercising due diligence to establish Aboriginal objects will not be harmed (s.87(2))

Due diligence may be achieved by compliance with requirements set out in the NPW Regulation or a code of practice adopted or prescribed by the NPW Regulation (s.87(3)) such as the *Due Diligence Code of Practice for the Protection of Aboriginal Objects in NSW* (NSW Department of Environment, Climate Change and Water (DECCW) 2010) (DDCoP).

2.1.1. The Consultation Guidelines

The Consultation Guidelines relate to Part 6 of the NPW Act and establish the requirements for consultation with registered Aboriginal parties as part of the heritage assessment process to determine potential impacts of proposed activities on Aboriginal cultural heritage and to inform decision making for any application for an AHIP. The requirements are also used where a proponent may be uncertain on whether or not their proposed activity may have the potential to harm Aboriginal objects or places, and a cultural heritage assessment (ACHAR) is required to establish the potential for harm (OEH 2015).

2.1.2. The Assessment Guidelines

The investigation and assessment of Aboriginal cultural heritage relates to Part 6 of the NPW Act and is undertaken to assess the harm of a proposed activity on Aboriginal objects and declared Aboriginal places, and to identify which impacts are avoidable, and which are not. Harm should always be avoided in the first instance, but where harm cannot be avoided, mitigations and management to reduce the extent and severity of the harm should be developed. An ACHAR will be prepared to detail the results of assessment, and recommendations to be taken before, during and after an activity to manage and protect Aboriginal objects and declared Aboriginal places. The ACHAR is used to support any application for an AHIP where harm cannot be avoided (OEH 2011).

2.2. THE NATIONAL PARKS AND WILDLIFE REGULATION 2009 (NSW)

The NPW Regulation 2009 (cl.80A) assigns the DDCoP as one of the codes of practice that can be complied with pursuant to s.87 of the NPW Act.

Disturbed land is defined by cl.80B (4) as “disturbed if it has been the subject of a human activity that has changed the land’s surface, being changes that remain clear and observable”. Examples given in the notes

to cl.80B (4) include “construction or installation of utilities and other similar services (such as above or below ground electrical infrastructure, water or sewerage pipelines, stormwater drainage and other similar infrastructure)”.

2.3. ENVIRONMENTAL PLANNING AND ASSESSMENT ACT 1979

The *Environmental Planning and Assessment Act 1979* (EP&A Act), administered by the NSW Department of Planning, Industry and Environment (DPIE), provides planning controls and requirements for environmental assessment in the development approval process. It also establishes the framework for Aboriginal heritage values to be formally assessed in the land-use planning and development consent process.

2.4. ABORIGINAL LAND RIGHTS ACT 1983

The NSW *Aboriginal Land Rights Act 1983* (ALR Act), administered by the Minister for Aboriginal Affairs, establishes the NSW Aboriginal Land Council (NSWALC) and Local Aboriginal Land Councils (LALCs). The ALR Act requires these bodies to:

- take action to protect the culture and heritage of Aboriginal persons in the council’s area, subject to any other law; and
- promote awareness in the community of the culture and heritage of Aboriginal persons in the council’s area.

These requirements recognise and acknowledge the statutory role and responsibilities of NSWALC and LALCs. The ALR Act also establishes the Registrar whose functions include, but are not limited to, maintaining the Register of Aboriginal Land Claims and the Register of Aboriginal Owners.

Under the ALR Act, the registrar is to give priority to the entry in the register of the names of Aboriginal persons who have a cultural association with:

- Lands listed in Schedule 14 of the NPW Act; and
- Lands to which Section 36A of the ALR Act applies.

2.5. NATIVE TITLE ACT 1993

The *Native Title Act 1993* (Cwlth) (NTA) provides the legislative framework to:

1. recognise and protect native title;
2. establish ways in which future dealings affecting native title may proceed and to set standards for those dealings, including providing certain procedural rights for registered native title claimants and native title holders in relation to acts which affect native title;
3. establish a mechanism for determining claims to native title;
4. provide for, or permit, the validation of past acts invalidated because of the existence of native title.

The *Native Title (New South Wales) Act 1994* was introduced to make sure the laws of NSW are consistent with the Commonwealth’s NTA on future dealings. It validates past and intermediate acts that may have been invalidated because of the existence of native title. The National Native Title Tribunal (NNTT) has a number of functions under the NTA, including maintaining the Register of Native Title Claims, the National Native Title Register and the Register of Indigenous Land Use Agreements and mediating native title claims.

2.5.1. National Native Title Register

The NTA establishes the principles and mechanisms for the preservation of Native Title for Aboriginal people. Under Subsection P of the Act, Right to Negotiate, Native Title claimants can negotiate over some proposed developments (known as the Future Acts) if they have the right to negotiate, which is granted only when the claimant’s application satisfies the registration test conditions.

3. ABORIGINAL COMMUNITY CONSULTATION

This chapter contains information about the consultation process undertaken with Aboriginal parties to identify the cultural heritage values of the Study Area. A search of the NNTT Register (July 2018) showed that there are no registered Native Title claims over the Study Area. Therefore, no Native Title holder or applicant is applicable for consultation, and the steps in the Consultation Guidelines have been followed.

In accordance with the Consultation Guidelines, consultation is an essential component of the heritage assessment process, to:

- Determine potential harm to Aboriginal cultural heritage from proposed land use activities; and
- Inform decision making for any application for an AHIP, if it is determined that harm cannot be avoided.

The guideline sets out four stages of consultation required to be undertaken. These are detailed below, with Urbis' actions to fulfil each requirement.

A copy of the consultation log is at Appendix A.

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

3.1.1. Government Organisation Contacts

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 area of the proposed project.

To identify Aboriginal people who may be interested in registering as Aboriginal parties for the project, the organisations stipulated in Section 4.1.2 (g) of the Consultation Guidelines were contacted. These included:

- Office of Environment and Heritage (OEH) Greater Sydney Branch;
- Office of the Registrar, *Aboriginal Land Rights Act 1983*; and
- Bayside Council (local council).

The template for the emails sent to the above-mentioned organisations is at Appendix B. A total of 42 Aboriginal groups and individuals with an interest in the suburb of Mascot were identified following this stage, and this is presented at Section 3.1.2 below.

The National Native Title Tribunal (NNTT) was contacted, and the following information received:

Cultural Heritage Searches in NSW: The Tribunal has undertaken steps to remove itself from the formal list of sources for information about indigenous groups in development areas. The existence or otherwise of native title is quite separate to any matters relating to Aboriginal cultural heritage. Information on native title claims, native title determinations and Indigenous Land Use Agreements is available on the Tribunal's website. Interested parties are invited to use Native Title Vision (NTV) the Tribunal's online mapping system to discover native title matters in their area of interest.

No native title claims, determinations, or ILUAs are identified over the subject site. Consequently, Native Title Services Corporation Limited was not contacted, as the Corporation provides services to Traditional Owners as part of the Native Title process, and is not affiliated with management of Aboriginal cultural heritage.

Greater Sydney Catchment Management Authority (Local Land Services) was not contacted, as previous correspondence (29 June 2018) has revealed the following:

Greater Sydney Local Land Services (GS LLS) acknowledges that LLS have been listed in Section 4.1.2 (g) of the Aboriginal cultural heritage consultation requirements for proponents 2010, under Part 6, National Parks and Wildlife Act 1974, as a source of information to obtain the "names of Aboriginal people who may hold cultural knowledge relevant to determining the significance of Aboriginal objects and/or places. GS LLS is a partner with many Aboriginal communities in the region on many natural resource management projects.

However, GS LLS is not the primary source for contacting or managing contact lists for Aboriginal communities or persons that may inform or provide comment on planning issues. GS LLS considers cultural heritage issues that relate to land-use planning in general, and only considers culture and heritage issues in the context of NRM. We strongly recommend you make contact with the Office of Environment and Heritage, Cultural Heritage Division, for all inclusive contact lists of persons and organisations that may assist with your investigation.

3.1.2. Registration of Interest

In accordance with Section 4.1.3 of the Consultation Guidelines, letters via email were sent to 38 Aboriginal groups and individuals on 01 February 2019, and four letters via post were sent on 12 February 2019, to notify of the proposed project and seek registrations of interest. Time afforded for responses was 18 days in accordance with the 14-day minimum requirement as established in the Consultation Guidelines.

The letter template is shown in Appendix C and includes 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.

A total of 21 groups registered an interest in the project as a result of this phase within the nominated timeframe and these are shown in Table 3.

Table 3 – Stage 1 Consultation – Registration of Interest

Organisation/Individual Contacted	Response
A1 Indigenous Services	Registration of interest 05/02/19
Amanda Hickey Cultural Services	Registration of interest 01/02/19
B.H. Heritage Consultants – Ralph Hampton	Registration of interest 01/02/19
B.H. Heritage Consultants – Nola Hampton	No response
Badu	Registration of interest 12/02/19
Barking Owl Aboriginal Corporation	No response
Biamanga	No response
Bilinga	<i>Undeliverable email address. No other contact details</i>
Bilinga Cultural Heritage Technical Services	Registration of interest 11/02/19
Butucarbin Aboriginal Corporation	No response
Cullendulla	No response
Darug Boorooberongal Elders Aboriginal Corporation	Registration of interest 05/02/18
Darug Land Observations	Registration of interest 22/02/19
Dharug Cultural Heritage Technical Services	Registration of interest 11/02/19
Didge Ngunawal Clan	Registration of interest 01/02/19
Eric Keidge	No response
Ginninderra Aboriginal Corporation	Registration of interest 08/02/19
Goobah Developments	No response
Gulaga	No response
Gunyu CHTS	Registration of interest 11/02/19

Organisation/Individual Contacted	Response
Gunyu	<i>Undeliverable email address. No other contact details</i>
Jerringong	No response
Metropolitan Local Aboriginal Land Council	No response
Minnamunnung	No response
Munyunga Cultural Heritage Technical Services	Registration of interest 11/02/19
Murramarang	No response
Murrumbul	Registration of interest 01/02/19
Murrumbul Cultural Heritage Technical Services	<i>Undeliverable email address. No other contact details</i>
Nerrigundah	<i>Undeliverable email address. No other contact details</i>
Ngambaa Cultural Connections	Registration of interest 01/02/19
Nundagurri	Registration of interest 11/02/19
Pemulwuy CHTS	No response
Thauaira	Registration of interest 01/02/19
Thoorga Nura	No response
Tocomwall	Registration of interest 01/02/19
Wailwan Aboriginal Group	No response
Walbunja	Registration of interest 11/02/19
Walgalu CHTS	Registration of interest 12/02/19
Wingikara CHTS	Registration of interest 12/02/10
Wingikara	<i>Undeliverable email address. No other contact details</i>
Wullung	No response
Yerramurra	Registration of interest 12/02/19

A total of 18 additional registrations were received from groups and individuals not identified through the Stage 1 process, and prior to the publishing of the newspaper advertisement. All additional respondents are identified as being part of the Murrin Stakeholder Group. Additional Registered Aboriginal Parties are at Table 4.

Table 4 – Additional registrations

Organisation/ Individual Responded	Other Information
Bidawal CHTS	Registration of interest 11/02/19
Bullaway	Registration of interest 11/02/19

Organisation/ Individual Responded	Other Information
Bulling Gang	Registration of interest 12/02/19
Curwur Murre	Registration of interest 11/02/19
Djiringanj CHTS	Registration of interest 11/02/19
Elouera CHTS	Registration of interest 11/02/19
Eora CHTS	Registration of interest 11/02/19
Gadung Elders	Registration of interest 12/02/19
Gangangarra	Registration of interest 11/02/19
Golangaya Elders	Registration of interest 12/02/19
Gulla Gunar Elder	Registration of interest 12/02/19
Kuringgai CHTS	Registration of interest 11/02/19
Murrin CHTS	Registration of interest 11/02/19
Ngarigo CHTS	Registration of interest 11/02/19
Ngunawal CHTS	Registration of interest 11/02/19
Tharawal CHTS	Registration of interest 11/02/19
Walbunja Elders	Registration of interest 12/02/19
Wandandian	Registration of interest 12/02/19

3.1.3. Newspaper Advertisements

In accordance with Section 4.1.3 of the Consultation Guidelines, an advertisement was also placed in the General Notices section of the Southern Courier newspaper. The advertisement was featured in the 19 March 2019 edition, and registration was open until 5 April 2019. The copy of the advertisements is at Appendix D.

Zero responses were received from the newspaper advertisement.

3.2. STAGE 2: PRESENTATION OF INFORMATION ABOUT THE PROPOSED 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 was sent to registered Aboriginal parties, via email or post, from 5th April 2019 and responses were requested by 3rd May 2019.

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

- Project overview, location and purpose;
- Proposed works – to occur in three stages: demolition, excavation, construction;

- Results of geotechnical investigations undertaken as part of the project background stages;
- Brief environmental and historical background;
- Notification that a site inspection was not scheduled as part of the current (at the time) consultation process but that one would be arranged for any interested parties;
- Identification that a site inspection and/or monitoring may be desirable during later excavation stage;
- Request for comment on methodology and recommendations for site investigation, and request for any cultural information the respondent wished to share.

The letter template is at Appendix E of this report and responses are included below in Section 3.3.

3.3. STAGE 3: GATHERING INFORMATION ABOUT CULTURAL SIGNIFICANCE

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.

The responses received on the Information Pack (Stage 2/3 pack) are summarised at Table 5 below, and written responses are at Appendix F. No site inspections were directly requested at this time, however one expression of interest was received for a site inspection if there was other such interest. No other registrations of interest were received, and no further requests for a site inspection were made.

Responses to the proposed methodology and works are shown at Table 5 below.

Table 5 – Stage 2/3 Responses

Respondent	Method	Response
A1 Indigenous Services	Email 16.04.2019	Interest in a site inspection if others also respond with interest
Darug Land Observations	Email 01.05.2019	Supports methodology

3.4. STAGE 4: REVIEW OF DRAFT CULTURAL HERITAGE ASSESSMENT REPORT

The aim of Stage 4 is to prepare and finalise an ACHAR with input from registered Aboriginal Parties. The Draft ACHAR was sent to RAPs on 29 May 2019, with responses requested by 28 June 2019. A follow up email was also sent on 26 June 2019, to highlight the imminent closing date for responses, and see if any extensions of time were needed.

Responses to Stage 4 are below in Table 6 and written responses are at Appendix G.

Table 6 – Responses to Stage 4 – Review of Draft ACHAR

Respondent	Method	Response
A1 Indigenous Services	Email 10.06.2019	Supports the ACHAR for the Qantas Training Facility
Didge Ngunawal Clan	Email 11.06.2019	Happy with the methodology and report for the Qantas Training Centre
Darug Land Observations	Email 01.07.2019	Supports methodology for the proposed project. Noted that they would like to be involved in monitoring of the topsoil removal, site surveys, archaeological monitoring, and/ or all other forms of works to be carried out on site.

Respondent	Method	Response
		<p>Email response from Urbis to clarify that archaeological monitoring is not proposed to occur for the project, and for DLO to note if that would be a concern (01.07.2019)</p> <p>Response from DLO clarified this was not a concern, but would like to be involved if anything did arise (01.07.2019)</p>
Ginninderra Aboriginal Corporation	Email 01.07.2019	<p>Stated that the recommendations within the ACHAR are consistent with group's views, with no objections noted.</p> <p>Further identified agreement that undisturbed finds are unlikely to be within the subject area, but that the unexpected finds procedure must be implemented. All artefacts should be returned to country, or held in a special keeping place so they can be used for cultural education.</p> <p>If substantial excavation is proposed in future, it should be monitored/supervised by a qualified archaeologist.</p>

4. DESCRIPTION OF SUBJECT SITE

The following section presents a brief description of the subject site's local context and a description of the subject site, to understand the current arrangement, layout and built elements of the place.

4.1. SURROUNDING CONTEXT

The Site is located approximately 7km south-west of the Sydney CBD. It is immediately adjacent (north-east) to the Sydney Kingsford Smith Airport and the rail corridor, and is sited between major roads including Qantas Drive, O'Riordan Street and Bourke Road. Alexandra Canal is approximately 650m to the north-west. Its immediate context is commercial and industrial development, much of which is associated with operations of the airport and/or Qantas, while to the east and across O'Riordan Street is primarily residential development.

4.2. THE SITE

It is a developed area, with some extant buildings but the areas of proposed redevelopment primarily being car parking. The extant buildings are understood to have been constructed on concrete pads, with no basements or foundations. The Site is noted to be generally flat, having been filled to level the site for that intended use. Borehole results (Arcadis 2019) indicate that the fill levels range generally between 2m and 3m across the Site.

Vehicular access to the Site from the local road network is from King Street. The site has intra-campus connections along the northern boundary in the form of three connecting driveways in the north-east corner, centre and north-west corner of The Site along the northern boundary which link it to the broader Mascot Campus.

Key features of the Site are as follows:

- The Site is approximately 5.417ha and is an irregular shape. It is approximately 240m in length and maintains a variable width of between approximately 321m in the northern portion of the site and approximately 93m along the King Street frontage.
- The Site possesses a relatively level slope across the site. An open Sydney Water drainage channel bisects the northern portion of the site in an east-west direction. There are some isolated changes in level immediately adjacent to this channel. A Site Survey Plan accompanies the application which details the topographic characteristics of the site.
- Multiple mature Plane Trees are scattered throughout the Site. A variety of native and exotic trees and vegetation also exist around the perimeter of the site which help screen the Site from surrounding uses.
- Site improvements include at-grade car parking for Qantas staff, an industrial shed to store spare aviation parts, a substation, a disused gatehouse, a Sydney Water Asset with two driveways over it, the Qantas catering facility and Qantas tri-generation plant.
- The Site forms part of a larger land holding under the ownership of Qantas that generally extends between Qantas Drive to the west, Ewan Street to the south, Coward Street to the north, with the Qantas "Corporate Campus" fronting Bourke Road.
- Vehicular access to the Site from the local road network is available from King Street. The site has intra-campus connections along the northern boundary in the form of two connecting driveways in the north-eastern and north-western corner of the site along the northern boundary which link it to the broader Mascot Campus.
- The Site is located within the Bayside Local Government Areas (LGA).

Key features of the locality are:

- **North:** The Site is bounded to the north low scale industrial development, beyond which is Coward Street. Further north of the site is the Mascot Town Centre which is characterised by transport-oriented development including high density mixed-use development focussed around the Mascot Train Station.

- **East:** The Site is bordered to the east by commercial development including a newly completed Travelodge hotel which includes a commercial car park. Additional commercial development to the east includes the Ibis Hotel and Pullman Sydney Airport fronting O’Riordan Street.
- **South:** The Site is bounded to the south by King Street, beyond which is Qantas owned at-grade car parking and other industrial uses. Further south is the Botany Freight Rail Line and Qantas Drive beyond which is the Domestic Terminal at Sydney Airport.
- **West:** The Site is bordered to the west by the Botany Freight Rail Line and Qantas Drive, beyond which lies Sydney Kingsford Smith Airport and the Qantas Jetbase (location of the current Flight Training Centre).

Images of the Site are at Pictures 1-9 below.



Picture 1 – View towards 1970s-era shed at south-west of the Site

Source: Urbis 2019



Picture 2 – The gatehouse situated perpendicular to King Street

Source: Urbis 2019



Picture 3 – Car parking with site plantings

Source: Urbis 2019



Picture 4 – View west towards multi-level car park

Source: Urbis 2019



Picture 5 – Sydney Water drainage channel
Source: Urbis 2019



Picture 6 – Indicative view, car park
Source: Urbis 2019



Picture 7 – Indicative view, car park
Source: Urbis 2019



Picture 8 – Entry to the Site from King Street
Source: Urbis 2019



Picture 9 – View to the Site from King Street entry

Source: *Urbis 2019*

5. HISTORICAL CONTEXT

The Site has previously used for farming and agricultural purposes, and later historical commercial/industrial land uses including glass bottle manufacturing, smelting, heavy equipment storage, and lease of the land for electrical substations (Arcadis EMP 2019).

The Site is located within the LGA of Bayside Council. The traditional Aboriginal people of the region are recognised as Kameygal (Gameygal), a linguistic group of the Eora Nation (Attenbrow 2002 in Kubiak 2005; Sydney Barani 2013) also recognised as the coastal Darug group (Muir 2013). The Eora are generally acknowledged as being the coastal people of the Sydney region, with other broad linguistic groups in the broader coastal to inland region being Dharug (or Darug) occupying the inland area from Parramatta to the Blue Mountains; Dharawal country being generally south of Botany Bay to at least Nowra and west to Georges River; and the area north of Port Jackson recognised as the Guringai (Kurin-gai) people (Heiss and Gibson 2013; Horton 1994 in Attenbrow 2010).

The concept of different language groups in the region may partially arise from historic accounts such as those discussed by Smith (2005) that the 'coastal' groups indicated they could not communicate with the 'inland' groups, presumably resulting from a linguistic barrier. Some archaeological models such as those posited by Ross (1976, 1988) and Kohen (1986, 1988 all in McDonald 2008) suggest a social division between coastal and hinterland people, who operated independently within culturally prescribed areas and with social interaction primarily resulting from ceremonial activities.

In addition to the Kameygal, main clan groups of the Eora nation are recognised as Gadigal, Wallumedegal, Wangal, Boromedegal, Goomerigal, Borogegal, Gamaragal, and Gweagal. Much of this information was relayed in 1790 to Capt. Arthur Philip by Woollarawarre Bennelong, who would become the first Aboriginal man to journey to England (Smith 2018). These clan groups and broader linguistic groups are shown at Figure 4, and acknowledged that these are estimations, and boundaries would have been fluid, rather than set.

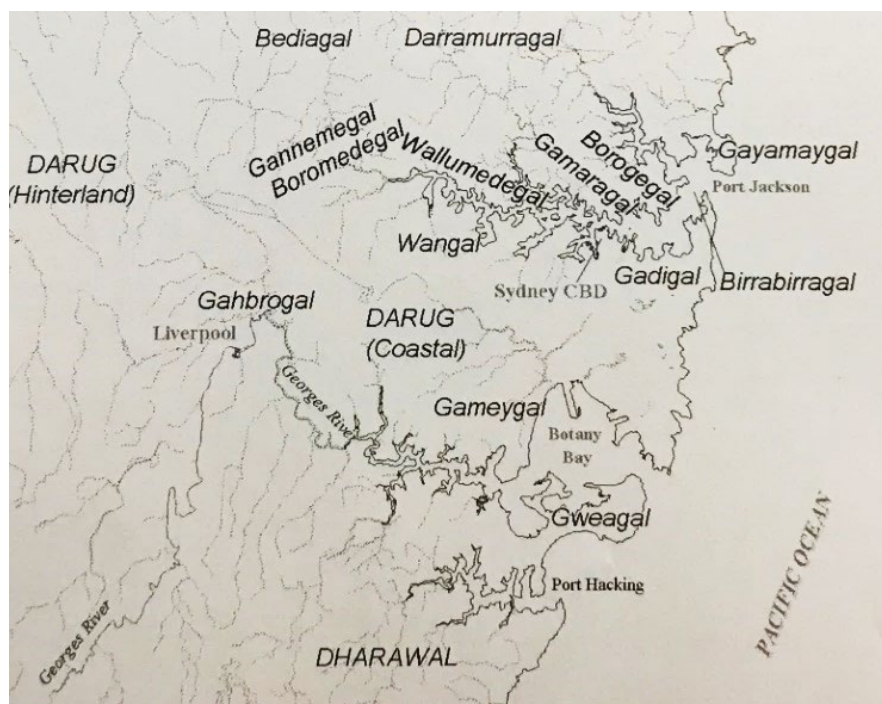


Figure 4 – Linguistic and clan groups around the Sydney region

Source: Excerpt from Attenbrow 2010:23

Historical accounts from the late 1700s differ in the estimations of the Aboriginal population of the Sydney region, but most suggest between 3000-5000 occupants (Attenbrow 2010:158). The lack of accurate baseline data poses problems for estimations of the population decrease following the arrival of the British, but it is believed that around half of the traditional inhabitants died within the first few years post-contact, resulting from introduced disease and particularly following a massive outbreak of smallpox in 1789 that spread through the Sydney region and Cumberland Plain more broadly (accounts of Philip (1790 and 1793)

and Fowell (1790) in Attenbrow 2010; Heiss and Gibson 2013). An account of Reverend Samuel Marsden painted an ominous picture of life in 1836, reporting he was *very apprehensive very little can be done for Aborigines from Sydney to Parramatta all along the north side of the river, there is but one original Native, the rest are all dead; tho' they were very numerous in these districts* (in Smith 2005:22).

The accuracy of Marsden's claim is not definitively clear, nor is the source of the alleged 'extinction' of the traditional owners (Smith 2005). As Attenbrow (2010) asserts, there was significant and rapid loss of land following the establishment of British communities from 1788, and within 40 years the pre-Colonial life of Sydney had generally disappeared. For decades, many Aboriginal people became afraid to enter Sydney, or other areas with a dominant white population, for fear of violence or death from guns and other weapons (Heiss 2013). However, many people continued to fight alienation from traditional land, and established strong communities at places such as La Perouse, Mulgoa, Emu Plains, Manly, Campbelltown, Sackville, and Camden, comprising people traditionally of the Sydney area and surrounds, and continuing pre-Contact customs and ways of life where possible.

5.1.1. Kameygal (Gameygal)

The Kameygal is most likely a clan name based on a variation in spelling of *Kamay*, the name recorded for Botany Bay (Attenbrow 2010). The Kameygal lived on the north shore of Botany Bay along the banks of the Cooks River from the west and south to Botany and La Perouse. In the language spoken by the Eora, *kamey* is the generic name for a spear, therefore, the Kameygal were known as the 'spear clan' (Smith 2017).

The Kameygal were the first Indigenous People in the Sydney coastal region to encounter Europeans. Two French frigates, *Boussole* and *Astrolabe*, commanded by Jean François de Lapérouse, entered Botany Bay on 26 January 1788 as the First Fleet ships were leaving for Port Jackson. They stayed for six weeks at 'Frenchmans Bay' in the vicinity present day La Perouse (Smith 2017). Lieutenant William Bradley recorded that by early February 1788 the French had been 'obliged to fire on the Natives at Botany Bay to keep them quiet' and, one week later, to stop them stealing' (Smith 2017). The French ships sailed out of Botany Bay bound for the Pacific on 10 March 1788 (Smith 2017).

The Cooks River valley was crisscrossed with tracks which formed trade, social and ceremonial networks fundamental to the social and economic structure of Aboriginal society. These pathways linked sources of water and food from bays, rivers, creeks and waterholes. It is believed that clans travelled in response to the changing seasons, spending spring and summer near the coast and autumn and winter further inland (Muir 2013). Clans spent some months of the year at regular campsites along the Cooks River. In 1788, Watkin Tench noted in his diary:

On the northwest arm of Botany Bay [the Cooks River] stands a village, which contains more than a dozen houses, and perhaps five times that number of people (Muir 2013).

Furthermore, an observer from the First Fleet described his first encounter with the inhabitants of the lower part of the river, probably between Botany Bay and Wolli Creek:

As they advanced up the first [river], numbers of natives seemed fishing in their canoes, while others were employed dressing the fish on its banks: they ran away on our peoples' approach, howling and making a strange noise, they were observed for the first time to have dogs, they are of the wolf kind, with long shaggy hair. When they found our people did not molest them, they ventured to come near us in their canoes, and when the boats were returning down the river, they ran after them along upon the beach and sometimes stopped abreast of the boats calling out as usual warraw! warraw! The country was here observed to be very low and marshy, but very fit for growing rice.

Large shell middens at camp sites near the mouth of the river and in sandstone rock shelters on its north and south banks are evidence of occupation of the valley for at least between 1,000 and 4,000 years. It is probable that lime-burning, quarrying and other land excavation activities since 1788 have disturbed many of the archaeological deposits, but a stone axe head was found on the site of Club, two stone artefacts were located with shell material in Kendrick Park and one rock art site remains. Within one of the sandstone caves at Undercliffe are 23 white hand stencils, two of them with forearms, and two foot stencils, a rarity in the Sydney region (Muir 2013).

According to Muir (2013), by 1845 only three women from the Botany Bay group remained, and altogether only 50 Aboriginal people remained in the area. Fish stocks in Botany Bay had depleted from netting practices and the food supply was severely reduced by the demands of colonial settlement. It is likely that those who survived the epidemics of infectious diseases moved further west or into Sydney and thus lost their connection with the Cooks River valley (Muir 2013).

5.2. HISTORICAL OVERVIEW – 1800-1850

The Site lies within the area historically known as Botany, the name of which reflects the arrival of the *Endeavour* to the bay in 1770, and the botanical research undertaken by Joseph Banks and Daniel Solander.

The first recorded non-Indigenous person to take up land in the area was Edward Redmond in 1809, who established a farm he called 'Mudbank' on account of the composition of the land, which in the area generally consisted of swamps, marshes and low scrub. The road to Mudbank was mapped by Sir Thomas Mitchell ca.1827, and appears to be the alignment of present-day O'Riordan Street. The proximity of the area to the water of the bay meant that a number of small villages were established with fishing becoming an early industry of the local region.

In 1812, Simeon Lord, an ex-convict, acquired 135 acres originally granted in 1810 to Edward Redmond, expanding this to nearly 800 acres by 1823. He rapidly set about modifying the local landscape, including damming of Blackwattle Creek to establish a privately run wool mill, and a flour mill. He soon developed a broad portfolio of business interests, and is recognised as one of Australia's first great entrepreneurs and the first person to export Australian wool.

The waters of the area attracted a variety of trades, and the fertility of the soil was soon appreciated, encouraging the establishment of market gardens throughout the local area. By the 1880s, leather and tanning were major industries of the area and it is estimated there were 21 tanneries in the Botany area by the early 1900s.

The mid-1800s also saw the importance of Botany for supply of fresh water to the fledgling city of Sydney. Rapid and widespread development in the city area had led to poor management of the water sources of the local area, and many of the streams were too polluted to drink from. The Botany Pumping Station was established in 1859, operating until 1886, and supplying water to the city from the Botany Swamps – which was land resumed from Simeon Lord in 1855 and involved the demolition of Lord's flour mill.

Following the death of Simeon Lord in 1840, his land gradually became subdivided, and a village reserve with Church and School Estate was formed in the area now north of Foreshore Road, but settlement of this area was slow until the late 1850s.

5.3. HISTORICAL OVERVIEW – 1850-1900

The subdivision of the area in the 1850s gradually led to the establishment of roads such as Geddes and Herford Streets, and establishment of industry. The latter afforded employment opportunities, which in turn led to increasing settlement of the area. With the growing population, the demand and need for local infrastructure and government grew, and the *Municipalities Act of 1867* led to the establishment of the Municipality of Botany, West Botany, and North Botany, in which the Site is located. These would be incorporated in 1888, becoming the Boroughs of North and South Botany. The local council engaged in a variety of programs to transform the local area, creating sports fields and facilities, recreational spaces, and improved public infrastructure, such as Corduroy Road (present day Botany Road) in 1875. Horse riding and husbandry also became popular leisure pursuits, as did sailing, and several inns were established in the local area, of which some still survive and are heritage listed.



Figure 5 – Map of Botany, ca. 1867. Approximate location of the Site identified, within on the lands of Thomas Stubbs and Thomas Torkington (partial). Also showing lands of Simeon Lord on The Mill Stream, land of E. Redmond, the town of Boralee, and other land holders

Source: *Historical Parish Maps, Parish of Botany, County Cumberland. Historical Land Records Viewer. Undated.*



Figure 6 – 1886 map, North Botany, Parish of Botany. Showing Mill Stream, Engine Pond, alignment of Cooks River, and King Street with alternative name “Shea’s Creek Road”, and “Old Botany or Mudbank Road”. Approximate location of the Site indicated by circle.

Source: *National Library of Australia (NLA) Call Number MAP PaA 48 Plate 29 / Item 231132911*

5.4. HISTORICAL OVERVIEW – 1900-1950

The interest in horse riding in the local area was formally realised in 1904 with the establishment of the Ascot Racecourse. Opened by Ascot Racing Club Lt, and named after England's Royal Ascot, the racecourse served as a focal point for unregistered horse racing until 1941 when it was closed on account of World War II and the need to use the space for a military camp (Paul Davies and Associates 2010).

A significant event in the history of the area occurred in 1911, when the name "Mascot" was officially adopted. North Botany Council was becoming increasingly bothered by the similarity of its name to its southern counterpart. In January of that year, the North Botany Council held a referendum to decide on a new name for the municipality. Several options were posited including Boronia and Booralee, after one of the area's early fishing villages, but "Ascot" was chosen, on account of the nearby racecourse. However, this name was rejected by Josiah Thomas, Commonwealth Postmaster General, who decided that there were already too many places in the Commonwealth with this name. Consequently, the slight variation of "Mascot" was chosen in October 1911 (Evening News Tue 31 Jan 1911; The Barrier Miner Wed 2 Aug 1911).

Another significant event, and arguably one with the biggest impact on the area, occurred in 1921 with the Commonwealth Government's acquisition of 65ha of land for the establishment of a large public airfield. The first flights between Sydney and other Australian capital cities commenced in 1924, expanding to overseas flights in 1934. By 1938 the airport had three small strips, with the longest gravelled runway being 1000 yards (just over 900m).

In 1946, approval was given for upgrades to the airport, and the following year saw large tracts of swampy ground resumed for construction of new facilities. The bed of the Cook's River was diverted, land was reclaimed, and substantial parts of Simeon Lord's Engine Pond and Mill Pond, established from his damming of Blackwattle Creek, were filled in. The coastline was modified to provide for new runways. General Holmes Drive was built through the former Engine and Mill Ponds and a new weir was built across the water channel. The Ascot Racecourse was farewelled in 1947, when it was subsumed into the airport's land, along with several public sports facilities and some private residences.

Two years after these works, in 1949 (Jan 1), administrative changes occurred to the Mascot area following the passing of the *Local Government (Areas) Act 1948*, which saw the Municipality of Mascot become the First Ward of the Municipality of Botany.

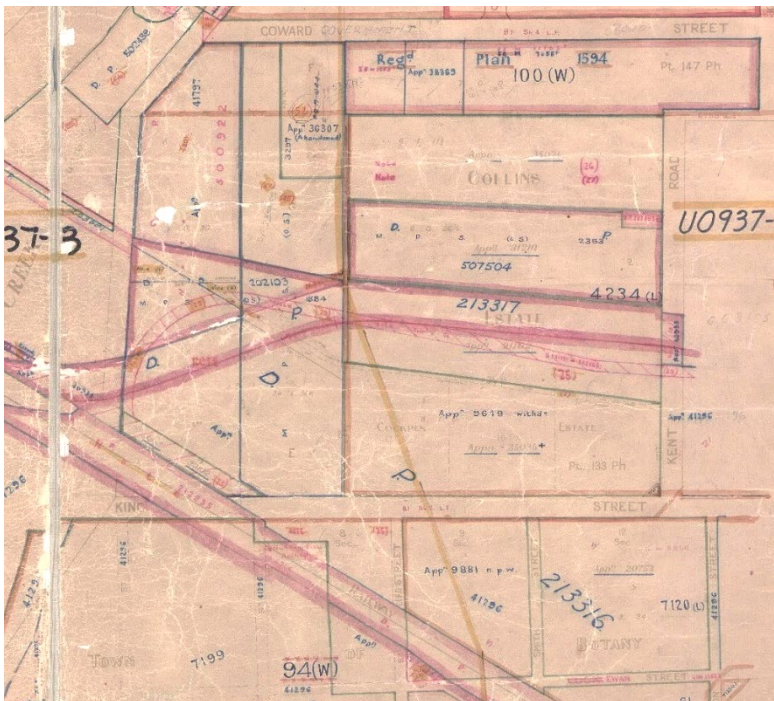


Figure 7 – Map, July 1938, indicating approximate location of The Site. Also showing alignments of King Street and Coward Street, and notation on map indicating the Site is part of "Collins Estate", which reflects earlier ownership by market gardener William Collins (refer Section 3.5).

Source: *Historical Land Records Viewer, LTO Charting Maps, Mascot Sheet 1*

5.5. REGIONAL SETTLEMENT – 1950-PRESENT

Upgrading and expansion works continued at the airport in the latter half of the 20th Century, including commencement of construction of the International Terminal ca.1965, and the north-south runway extension in 1968 to afford the use of newly introduced long-haul international jets (Sydney Airport n.d). It was extended again in 1974, and several years later in 1989 the parallel, or third, runway was approved and was completed in 1994. These later expansions have been primarily driven in response to increasing overseas travel. Since 1994, expansions and changes have continued, including modifications to terminals, car parking, and access.

More broadly, the 20th and 21st Centuries have seen the suburb become increasingly developed. Surprisingly, many of the Market Gardens established in the 19th Century were still operating through to the 1960s; but all were gone by the 1970s in favour of increased development.

The present day suburb is dominated by the Sydney Kingsford Smith Airport, and also contains areas of commercial and industrial development in its north, adjacent to and generally associated with the Airport; and residential areas primarily at east. A rail link to the CBD has been established, and major roads such as Princes Highway and Southern Cross Drive have been established to cope with high levels of vehicular traffic.

Mascot's history is reflected in the remaining areas of Mill Pond and Engine Pond, shopping areas of Botany Road, and its heritage listed places.

5.6. SITE OVERVIEW – TITLE SEARCHES

Arcadis (2019) acquired a series of historical land titles for the purposes of their environmental assessment of The Site. The results are presented by Lot on Plan results and can be cross referenced with the map at Figure 8. Historical aerial imagery, which shows most of the below land uses, is at Section 3.6.

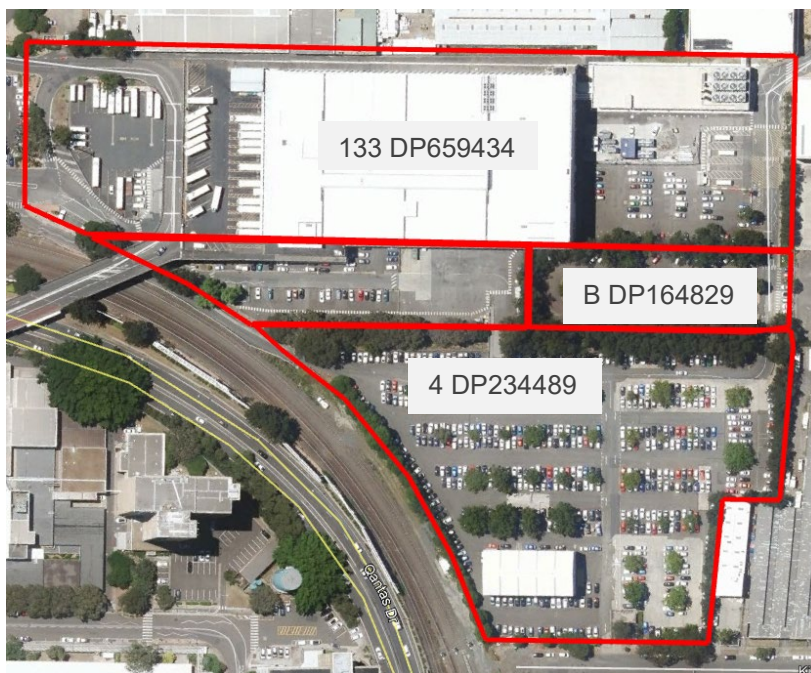


Figure 8 – Three of the current Site lots, for cross-referencing with historical titles

Source: NSW Land Registry Services

5.6.1. Lot 133 DP659434

1837	Portion 133 Parish Botany, Thomas Stubbs (granted 29 April 1837)
1906-1915	William Collins, Market Gardener
1915-1920	Sarah Ann Collins, spinster/executrix

	Henry Tasker, executor
	William Collins, estate
1920-1957	Percy Edwin Tasker, market gardener
1942-1951	<i>Leased to Chong Yow, market gardener</i>
1957-1963	The Commonwealth of Australia
1963-present	Qantas Airways Limited

5.6.2. Lot B DP164829

1837	Portion 133 Parish Botany, Thomas Stubbs (granted 29 April 1837)
1906-1915	William Collins, market gardener
1915-1920	Sarah Ann Collins, spinster/executrix
	Henry Tasker, executor
	William Collins, estate
1920	Arthur Jackson, market gardener
1920-1937	Emily May Bridge, wife of Spencer William Bridge, market gardener
1937-1947	Ernest Whittaker, market gardener
1947-1957	John Samuel Baker, smelter
1957-1976	Heavy Equipment (NSW) Pty Ltd, smelter
1976-1977	F.G.S. Storage Pty Limited
1977-1980	Thiess Properties Pty. Limited
1980-1991	F.G.S. Storage Pty Limited
1991-present	Qantas Airways Limited

5.6.3. Lot 4 DP234489

1837	Portion 133 Parish Botany, Thomas Stubbs (granted 29 April 1837)
1906-1916	William Hambly, market gardener
1916-1942	Catherine Grace Hambly, widow
	Ethel May Hambly
	Harold William Thomas Hambly
	Leslie Theodore Westlake Hambly, retired poultry farmer / gardener
	William Hambly, estate
1942-1946	Catherine Grace Hambly, widow
	Leslie Theodore Westlake Hambly, retired poultry farmer
1942-1944	<i>Lease to Ching Tip, Sue Jarng and Man Hung, market gardeners</i>
1946-1952	Hector William Westlake Hambly, engineer
	Leslie Theodore Westlake Hambly, retired poultry farmer
1952-1956	Commonwealth of Australia
1956-1964	Thomas Playfair Proprietary Limited, butcher

1964-1980	A.C.I. Operations Pty Limited, including lease to Sydney Electricity. Glass bottle manufacturer
1980-present	Qantas Airways Limited (including various leases)

5.6.4. Site Overview - Historical Aerials

The historical background identifies that the Mascot area was broadly cultivated as market gardens. This is evident in the 1943 historical aerial at Figure 9, which shows the majority of the Site is under cultivation, with the exception of its south-eastern corner which is occupied by trees and buildings, most likely related to the agricultural productions on site.

Little change occurred to the southern portion of the Site by 1955 (Figure 10), however the central portions, generally corresponding to Lots 1 DP202747 and B DP164289, has been cleared of agriculture and appears to be becoming industrialised with several buildings constructed. This is most likely attributable to the purchase of (at least) Lot B DP164829 by smelter John Baker in 1947.



Figure 9 –1943 aerial indicating approximate site boundary

Source: Arcadis 2019 with amendments by Urbis 2019



Figure 10 –1955 aerial indicating approximate site boundary

Source: Arcadis 2019 with amendments by Urbis 2019

The imagery of The Site in Figure 11 (1961) corresponds to changes in the area more broadly in the 1950s-1960s. The market gardens of the 19th and early 20th Centuries are gone, making way for more industrial development. All the plantings and built stock of Lot 4 DP234489 have been removed, and the site is predominantly cleared. Thomas Playfair Proprietary Limited, butcher, owns the site by this date and the cleared lot may have been used for livestock. The Commonwealth of Australia is the owner of Lot 133 DP659434 by this date, and that lot seems primarily cleared. Some additional buildings are at Lot B DP164829 and Lot 1 DP202747.

Little change overall has occurred to The Site by 1965 (Figure 12), however there appears to be more activity at Lot 4 DP234489, including what appears to be construction of buildings in the south-eastern corner.



Figure 11 –1961 aerial indicating approximate site boundary

Source: Arcadis 2019 with amendments by Urbis 2019



Figure 12 –1965 aerial indicating approximate site boundary

Source: Arcadis 2019 with amendments by Urbis 2019

All lots were subject to significant change and development by 1970 (Figure 13). A large building is centrally positioned at the north of The Site and within Lot 133 DP659434 which is now owned by Qantas. The building has been removed, or significantly expanded by 1976 (Figure 14) and this portion of The Site largely resembles its current layout and appearance by that date.

Lot B DP164829 appears to be used for bulk storage, and is owned by F.G.S. Storage Pty Limited, but is largely vacant at time of the 1976 aerial (Figure 14).

Lot 4 (lots 2-5) DP234489 by this time is in the ownership of glass bottle manufacturer A.C.I. Operations Pty Limited and has been heavily developed with hardstand, access roads and several large buildings. The Scone Advertiser, 1 Aug 1941, notes that Australian Consolidated Industries 'sprung up' in 1925 and manufactured bottles, but by 1941 covered 17 industries and was one of the first involved with defence work, including building annexes for the production of munitions. A.C. I's extent of development and operations within The Site remains relatively unchanged in 1976 (Figure 14).

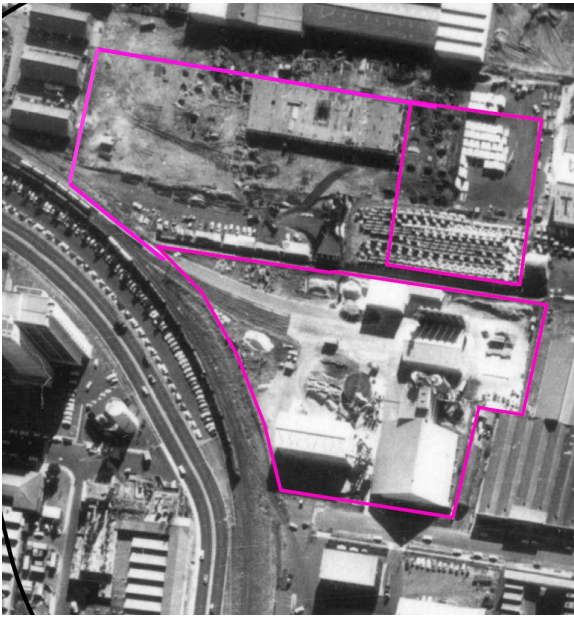


Figure 13 –1970 aerial indicating approximate site boundary

Source: Arcadis 2019 with amendments by Urbis 2019

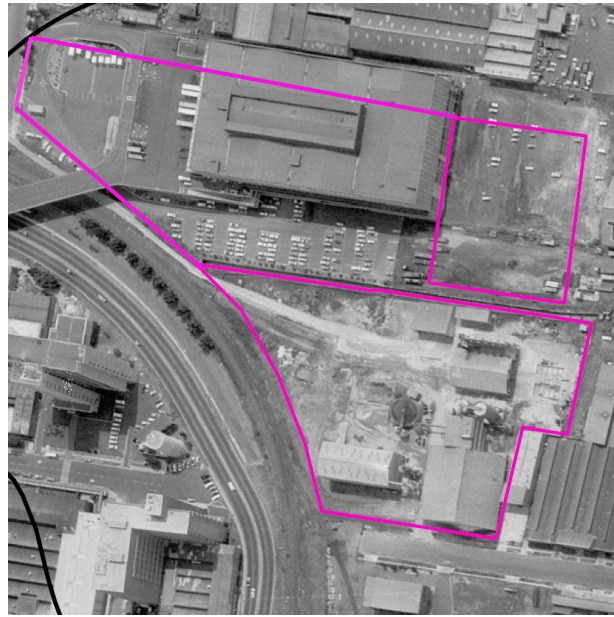


Figure 14 –1976 aerial indicating approximate site boundary

Source: Arcadis 2019 with amendments by Urbis 2019

Lot B DP164829 is still owned by F.G.S. Storage Pty Limited until 1991, at which time it transitions to Qantas ownership. Figure 15 and Figure 16 show the lot generally vacant, with what appears to be some shipping crates or similar, but Figure 17 (2002) shows the lot in its current configuration and under Qantas ownership. Lot 133 is generally unchanged and reflects current configuration and layout.

Lot 4 (2-5) DP234489 was purchased by Qantas in 1980, however the lot appears to retain the 1970s-era buildings from the period of ownership by A.C.I. Operations Pty Limited into the early 1980s at least. The lot appears to have more substantial surfacing and hardstand established, but by 1991 all but one of the earlier buildings have been removed. That building is still extant, and overall by the 1990s/2000s The Site overall reflects its current form.

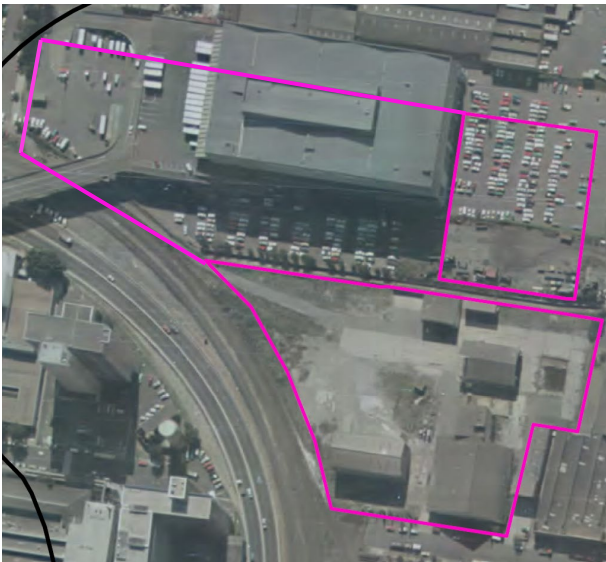


Figure 15 –1982 aerial indicating approximate site boundary

Source: Arcadis 2019 with amendments by Urbis 2019



Figure 16 –1991 aerial indicating approximate site boundary

Source: Arcadis 2019 with amendments by Urbis 2019

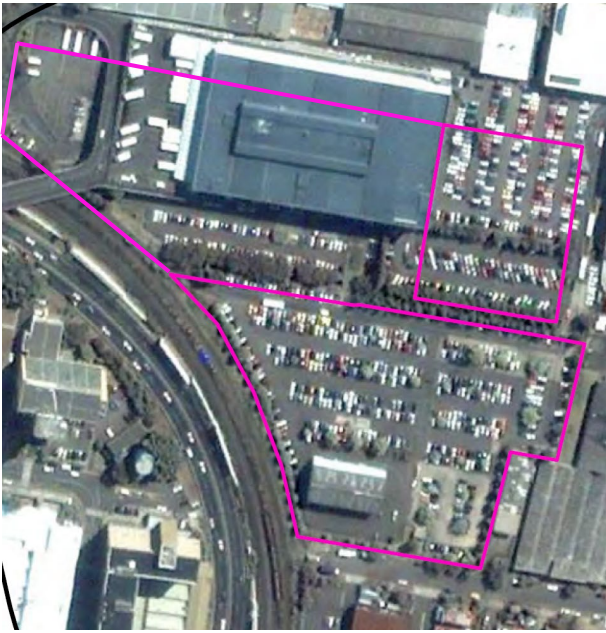


Figure 17 – 2000 aerial indicating approximate site boundary

Source: Arcadis 2019 with amendments by Urbis 2019

6. ENVIRONMENTAL CONTEXT

The OEH NSW National Parks and Wildlife Service (2016:16) states that 'Aboriginal communities have an association with and connection to the land. The land, water, plants and animals within a landscape are central to Aboriginal spirituality and contribute to Aboriginal identity. Aboriginal communities associate natural resources with the use and enjoyment of foods and medicines, caring for the land, passing on cultural knowledge, kinship systems and strengthening social bonds'.

The physical landscape and environmental factors therefore have important bearing on the movement and distribution of people – and therefore archaeological sites – across a landscape. A study of geomorphology, geology, and vegetation is important to establish an interpretive framework for the archaeological record. Natural features in the physical landscape contribute to what is referred to as 'predictive modelling' – predictions made concerning where archaeological material and/or places of cultural value are most likely to exist, based on topography, geology, the availability of fresh water, vegetation, and other resources.

This section provides an overview of the environmental context of the Mascot area, that supported local Aboriginal people for thousands of years.

6.1. BIOREGION

Bioregions are relatively large land areas characterised by broad, landscape-scale natural features and environmental processes that influence the functions of entire ecosystems (NSW OEH 2016b). Sub-regions, according to Morgan and Terrey (1992) (NSW OEH 2016b) are based on finer differences in geology, vegetation and other biophysical attributes and are the basis for determining the major regional ecosystems.

NSW has 17 identified bioregions. The subject site lies within the Sydney Basin bioregion (IBRA), which comprises 3,629,597 ha land (approximately 4.53% of NSW). More specifically, the subject site is within the Pittwater sub-region of the Sydney Basin, and its key characteristics are summarised in the table below.

Table 7 – Pittwater IBRA sub-region key characteristics

Characteristic	Description
Geology	Triassic Hawksbury Sandstone with thin ridge cappings of Ashfield Shale. Narrabeen sandstones exposed in valleys and along the coast. Quaternary coastal sands.
Characteristic Landforms	Hornsby plateau of quartz sandstone with occasional shale caps. Small beach, dune and lagoon barrier systems. Steep coastal cliffs and rock platforms.
Typical Soils	Deep yellow earths or rocky outcrop on plateau tops. Uniform and texture contrast soils on sandstones and shale on slopes. Loamy sands in alluvium along creeks, clean quartz sands with moderate shell content on beaches and frontal dunes. Organic sands and muds in estuaries.
Vegetation	Shale caps support tall forest of Sydney blue gum and blackbutt or turpentine and grey ironbark. Sandstones plateau; Sydney peppermint, smooth-barked apple, scribbly gum, red bloodwood, yellow bloodwood, with diverse shrubs and patches of heath. Blackbutt, turpentine, coachwood and water gum in deep sheltered gullies. Spotted gum, Deane's gum, bangalow palm, and forest oak on Narrabeen sandstone lower slopes. Banksia, tea-tree heath on dunes. Bangalay, swamp mahogany, cabbage tree palm, cumbungi in fresh swamps. Mangrove and saltmarsh communities in quiet estuaries.

6.2. TOPOGRAPHY

NSW Government SEED (Sharing and Enabling Environmental Data) mapping shows that the subject site falls within the Sydney-Newcastle Barriers and Beaches Mitchell Landscape (Code Snb). This landscape has a general elevation of 0 to 30m, local relief 10m. Cliff top dunes may be found as high as 90m above sea level.

6.3. GEOLOGY, TOPOGRAPHY AND SOILS

6.3.1. Regional Geology

The following information has been taken verbatim from a Botany Bay Environmental Assessment by Molino Stewart (2007).

Botany Bay is part of a structural depression termed the Botany Basin that lies within the Permo-Triassic Sydney Basin. Bedrock in the Botany Bay area is dominated by Triassic aged Hawkesbury Sandstone, which typically comprises medium to coarse grained quartz sandstone with minor shale and laminate beds.

Basaltic dykes are common intrusions into bedrock in the northern Botany Bay area. The eroded bedrock surface is overlain in most areas by Quaternary sediment deposits up to 80 metres thick. On land, these Quaternary deposits are predominantly aeolian (windblown) sediments composed of fine to medium grained quartzose sands with occasional cemented layers associated with former soil horizons and include large north-south oriented dune ridges at Kurnell and on the north side of Botany Bay (Johnson et. al. 1997, Roy 1983).

Within the Bay, four main stratigraphic units have been recognised which encompass a range of sediment types (Roy 1983, Hann 1985). The upper three units are of relevance here. From upper to lower, they are:

- Loose estuarine sand to muddy sand with some shells, varying from two to seven metres thick except where removed by dredging.
- Dense to very dense, fine to medium-grained, well-sorted quartzose sand and minor silty sand (mainly of aeolian origin), with discontinuous peat/organic mud lenses and indurated sand layers, up to 30 metres thick.
- Very stiff to hard clay with some peat and shelly sand beds. Significant areas of filling exist in the Botany Bay area, predominantly around the Bay shorelines where land has been reclaimed. Filling materials include sandy dredge spoil obtained from the Bay and inter-dune swamps and boiler ash from Bunnerong Power Station (McNally & Branagan 1998).

6.4. HYDROLOGY

The nearest surface water deposit is the former Shea's Creek, now the Alexandra Canal. It is a tributary of the Cooks River, a tide-dominated drowned valley estuary with an open entrance, and vegetation including salt marshes, mangrove scrub and mud flats. The Canal is located approximately 700m west of the site.

The following text has been taken verbatim from OEH (n.d.).

Alexandra Canal is an adapted artificial waterway (formally known as Sheas Creek) which stretches 4.5 km from its southern point at Cooks River to the north near Huntley Street, Alexandria. Its banks are formed by pitching comprising sloping dry sandstone capped with a sandstone capping.

Sheas Creek is a tributary of the Cooks River which begins in the once sandy hills of the present Surry Hills east of Redfern. Dredging commenced in 1887 to adapt Sheas Creek to a canal, with the intention of creating manufacturing and industrial opportunities in the area by offering shipping as a means of transporting cargo. The canal was intended to be the 'Birmingham of Australia' and was constructed under an unemployed work relief scheme.

The canal was originally lined with a fascine dyke as were sections of the Cooks River. The original canal started to the south-west of the existing Sydenham to Botany railway bridge and extended to the Canal Road Bridge. In 1894 the canal was to be extended to Buckland Street, Redfern, however only part of this section was ever constructed, the limit of the canal was to the south of Huntley Street, Alexandria.

During this period scientists were called in to record the finding of dugong bones displaying butchery marks and stone axes, which were the subject of an academic paper. As sections of the canal were completed, wharves were constructed along the canal to encourage its use.

The canal, as originally planned, was substantially completed in 1900. Major changes to the canal occurred when the airport was expanded over three phases from 1947 to 1970. These changes included altering the course of the canal near its junction with the Cooks River. The canal was never considered a success, its use limited by the shallow draught of the vessels that could use it, constant silting, tidal factors and the advent of commercial road transport in the 1930s. This change became permanent when the two lifting span bridges that crossed the Canal were altered to become fixed in the 1930s. By the early 1940s the navigational use of the canal declined to such an extent that it was decided not to maintain the wharves and they were demolished.

6.5. FLORA AND FAUNA

6.5.1. Flora

The following information has been sourced directly from Sydney Basin: Biodiversity (OEH, 2016).

Important vegetation communities include yellow box - ironbark woodlands in the northern escarpments of the bioregion. These woodlands are thought to provide important habitat for species such as the regent honeyeater (*Xanthomyza phrygia*) but are not well represented in conservation reserves in the bioregion. Mellong Swamp in the Wollemi National Park is another unique plant community, which provides important habitat for both reptiles and invertebrates in the bioregion.

In total there are 92 vulnerable and 60 endangered plant species in the bioregion.

Additional information from SEED states that frontal dunes of beaches where there is little soil development will commonly yield spinifex (*Spinifex hirsutus*), spiky mat-rush (*Lomandra longifolia*), coast wattle (*Acacia longifolia* spp. *sophorae*), and coast tea-tree (*Leptospermum laevigatum*). Second dunes commonly support coast banksia (*Banksia integrifolia*) and old man banksia (*Banksia serrata*), which merge with more complex forest that includes blackbutt (*Eucalyptus pilularis*), red bloodwood (*Corymbia gummifera*), grass trees (*Xanthorrhoea* sp.) and understory shrubs on deep sands that have an organic-rich A-horizon.

6.5.2. Fauna

The following information has been sourced directly from Sydney Basin: Biodiversity (OEH, 2016).

Threatened species recorded in the bioregion include the brush-tailed rock wallaby (*Petrogale penicillata*), koala (*Phascolarctos cinereus*), yellow-bellied glider (*Petaurus australis*), brush-tailed phascogale (*Phascogale tapoatafa*), tiger quoll (*Dasyurus maculatus*), broadheaded snake (*Hoplocephalus bungaroides*), glossy black cockatoo (*Calyptorhynchus lathami*), turquoise parrot (*Neophema pulchella*) and powerful owl (*Ninox strenua*) (NSW NPWS2002).

The Sydney Basin Bioregion is home to 2 endangered and 4 vulnerable frog species, 54 vulnerable and 14 endangered bird species, 25 vulnerable, 3 endangered and one extinct mammal species, and 11 vulnerable and 2 endangered reptile species.

Although the Sydney Basin Bioregion has the highest human population of any NSW bioregion, significant areas of native vegetation remain unchanged since European occupation. Despite this, significant rates of decline of grassland, woodland and forest bird species, as well as ground-nesting birds and ground-feeding insectivorous birds, have occurred in this bioregion.

Sightings of rainforest birds, which increased significantly across Australia, did not follow this trend in the Sydney Basin despite the presence of areas of relatively intact rainforest (Australian Terrestrial Biodiversity Assessment2002). Sightings of the rockwarbler (*Origma solitaria*), a species largely restricted to the bioregion, have been reported less frequently than in the past.

Loss of forest and woodland birds around Sydney, resulting from continuing urbanisation, is a threat now and into the future (Australian Terrestrial Biodiversity Assessment 2002).

Despite declines in some native species, others such as the white-headed pigeon (*Columba leucomela*), spotted turtle-dove (*Streptopelia chinensis*), long-billed corella (*Cacatua tenuirostris*), little corella (*Cacatua sanguinea*), rainbow lorikeet (*Trichoglossus haematodus*) and noisy miner (*Manorina melanocephala*) as well as the introduced red-whiskered bulbul (*Pycnonotus jocosus*) and common myna (*Acridotheres tristis*)

seem to have increased in numbers in the bioregion (Australian Terrestrial Biodiversity Assessment 2002). This is probably a result of their ability to adapt well to environments modified by humans.

Two threatened species listed in the NSW TSC Act, the ground parrot (*Pezoporus wallicus*) and the eastern bristlebird (*Dasyornis brachypterus*), have both been recorded southwest of Wollongong and near Jervis Bay in the bioregion's south, while the largest population of the endangered regent honeyeater (*Xanthomyza phrygia*) has been recorded in the north of the bioregion around the Capertee Valley. Forest and woodland birds of the bioregion are thought to be somewhat protected in Hawkesbury sandstone communities contained in conservation reserves (Australian Terrestrial Biodiversity Assessment 2002). General threats to species in the bioregion include broad-scale vegetation clearing and loss of remnants as well as grazing by stock. Urbanisation is also a major threat to many species in the built-up areas in the bioregion.

6.6. GEOTECHNICAL INVESTIGATIONS

Arcadis Australia Pty Ltd (Arcadis) completed 35 soil bores in late 2018 as part of their Environmental Site Assessment (ESA) (2019), as part of site investigations to identify potential environmental risks resulting from historic land uses at the subject site. Bores were drilled through modern fill layers into natural layers, and overall, the results showed the following:

- Contaminants of potential concern are present throughout the site, including heavy metals, pesticides, lead, asbestos including fibrous asbestos, and a variety of organic compounds and synthetic chemicals;
- The subject site has been built up to form a level surface for the current carpark by laying of fill across the site. The depth of the fill deposited varies throughout the site, and therefore the natural layer is also encountered at varying depths. In general, the natural layer is encountered at depths between 1.1m and 3.5m below the current surface levels. The identified surface and sub-surface layers generally comprise the following:
 - Asphalt or concrete hardstand;
 - Road base comprising highly compacted sandy gravels, dry and poorly sorted;
 - Reworked light brown to grey coarse-grained silty sand, poorly sorted.
 - Natural layers comprising silty or clayey sand, silty clay, silty peat, and light grey to brown peat; which is consistent with the underlying geology/soils of the area.

Some foreign materials were identified in the silty sand layer, including scrap metal, woodchips, and fragments of glass, brick and terracotta.

The location of the boreholes is at Figure 18 below, and summary of results at Table 8. All data and imagery have been taken or adapted from Arcadis 2019, Appendix F.

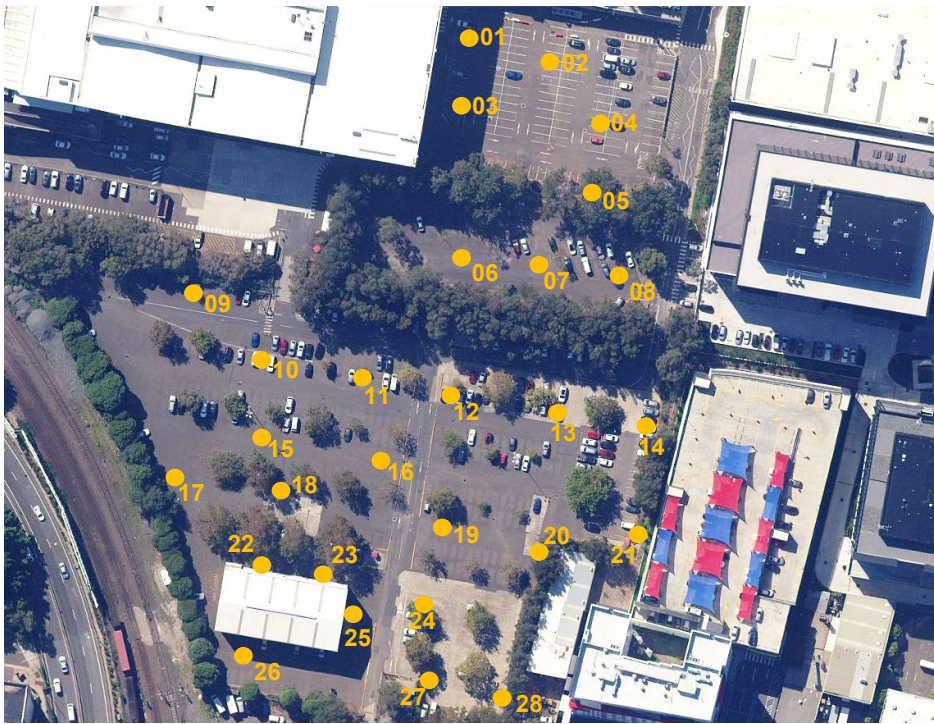


Figure 18 – Borehole locations

Source: Arcadis 2019, Appendix A, Figure 4a

Table 8 – Borehole results

Identifier	Sub-surface layers	Final Depth (m) / Other Notes
BH01	<ul style="list-style-type: none"> Asphalt – 0m – 0.05m Fill – 0.05m – 1.3m Natural (sandy silt – dark grey, loose, fine grained, well sorted, organics, minor roots) – 1.3m – 2.0m 	2m
BH02	<ul style="list-style-type: none"> Asphalt – 0m – 0.05m Fill – 0.05m – 1.8m Natural (silty sand – light grey, loose, fine grained organics) – 1.8m – 2.5m 	2.5m (target depth)
BH03	<ul style="list-style-type: none"> Asphalt – 0 – 0.04m Fill – 0.04m – 1.1m Natural (peat – black, soft organics, minor roots) 1.1m – 1.8m Natural (silty sand – light grey, loose, fine grained, organics, minor roots) 1.8m – 2m 	2m (target depth)
BH04	<ul style="list-style-type: none"> Asphalt – 0m – 0.05m Fill – 0.05m – 2.2m. Natural (silty sand – dark grey, fine grained, well sorted, black gravel inclusions) 	3.0m (target depth) Groundwater encountered at 2.2m
BH05	<ul style="list-style-type: none"> Asphalt – 0m – 0.05m Fill – 0.05m – 1.8m Natural (silty sand – grey to dark grey, loose, fine grained) 1.8m – 3m 	3.0 (target depth) Groundwater encountered 1.8m

Identifier	Sub-surface layers	Final Depth (m) / Other Notes
BH06	<ul style="list-style-type: none"> Asphalt – 0m – 0.05m Fill – 0.05m – 2.4m 	2.4m (refusal)
BH07	<ul style="list-style-type: none"> Asphalt – 0m – 0.05m Fill – 0.05m – 2.7m Natural – 2.7m – 3m 	3m (target depth)
BH08	<ul style="list-style-type: none"> Asphalt – 0m – 0.05m Fill – 0.05m – 3m 	3m (target depth)
BH09	<ul style="list-style-type: none"> Asphalt – 0m – 0.05m Fill – 0.05m – 3m 	3m (target depth)
BH10	<ul style="list-style-type: none"> Asphalt – 0m – 0.05m Fill – 0.05m – 3.5m Natural (silty sand – dark brown, loose, well sorted) 3.5m – 4m 	4m (target depth) Groundwater encountered at 3.5m
BH11	<ul style="list-style-type: none"> Asphalt – 0m – 0.05m Concrete hardstand – 0.05m – 0.6m Fill – 0.6m – 2.3m Natural – 2.3m – 3m 	3m (target depth)
BH12	<ul style="list-style-type: none"> Concrete hardstand – 0m – 0.3m Fill – 0.3m – 2.6m Natural (silty sand – light brown, loose, fine to medium grained, organic inclusions, plant roots) 2.6m – 3m 	3m
BH13	<ul style="list-style-type: none"> Concrete hardstand – 0m – 0.1m Fill – 0.1m – 1.8m Natural (silt – dark brown, loose, medium grained, minor roots) 1.8m – 2.5m 	2.5m Wood chips at 0.2m-0.4m Ash (?) at 0.75m-1.8m
BH14	<ul style="list-style-type: none"> Concrete hardstand – 0m – 0.6m Fill 0.6m – 1.2m Natural (silty sand – light brown, loose, medium grained) 1.2m – 2m 	2m
BH15	<ul style="list-style-type: none"> Asphalt – 0m – 0.04m Fill – 0.04m – 2m Natural – (silty sand – light brown, loose, fine to medium grained, well sorted, organics) 2m – 2.4m Natural (clayey sand – light brown, loose, fine to medium grained, well sorted) 2.4m – 3m 	3m
BH16	<ul style="list-style-type: none"> Asphalt – 0m – 0.05m Concrete hardstand – 0.05m – 0.4m Fill – 0.4m – 1.3m Natural – 1.3m – 3m 	3m Groundwater encountered at 2.8m
BH17	<ul style="list-style-type: none"> Asphalt – 0m – 0.05m Fill – 0.05m – 2.8m 	3m Scrap metal at 1.5m

Identifier	Sub-surface layers	Final Depth (m) / Other Notes
	<ul style="list-style-type: none"> Natural (sandy silt – dark grey to black, fine grained, well sorted) 2.8m – 3m 	Ash (?) at 2.6m – 2.8m
BH18	<ul style="list-style-type: none"> Asphalt – 0m – 0.05m Fill – 0.05m – 2.5m Natural – 2.5m – 3m 	3m Glass fragment at 1m
BH19	<ul style="list-style-type: none"> Asphalt – 0m – 0.05m Fill – 0.05 – 4m 	4m Tile fragment at 1m
BH20	<ul style="list-style-type: none"> Asphalt – 0m – 0.05m Concrete hardstand – 0.05m – 1.1m 	1.1m – refusal on concrete footing
BH21	<ul style="list-style-type: none"> Asphalt – 0m – 0.03m Concrete hardstand – 0.03m – 0.6m Fill – 0.6m – 2m Natural (silty sand) – 2m – 3m 	3m Groundwater at 2.8m
BH22	<ul style="list-style-type: none"> Asphalt – 0m – 0.05m Fill 0.05m – 2.5m Natural (silty sand – grey, fine grained, well sorted, organics) 2.5m – 3m 	3m
BH23	<ul style="list-style-type: none"> Asphalt – 0m – 0.05m Fill – 0.05m – 3m 	3m
BH24	<ul style="list-style-type: none"> Concrete hardstand – 0m – 0.05m Fill – 0.05m – 3.2m Natural (silty sand – light brown to grey, loose, fine to medium grained, organics) 3.2m – 4.5m 	4.5m
BH25	<ul style="list-style-type: none"> Asphalt – 0m – 0.05m Concrete hardstand – 0.05m – 0.2m Fill – 0.2m – 3m 	3m
BH26	<ul style="list-style-type: none"> Asphalt – 0m – 0.05m Fill – 0.05m – 3m 	3m
BH27	<ul style="list-style-type: none"> Concrete hardstand – 0m – 0.1m Fill – 0.1m – 3m 	3m
BH28	<ul style="list-style-type: none"> Concrete hardstand – 0m – 0.1m Fill – 0.1m – 3m 	3m Groundwater encountered at 2.7m

7. ARCHAEOLOGICAL CONTEXT

This section provides an overview of archaeological research and results of investigations undertaken near to the subject site, and in a broader Sydney context, to understand site distribution in both a regional and local context and assist in the preparation of a predictive model for the subject site.

It is noted that many of the studies and research identified below are complex, and the information used in this section is only a summary of much of that research.

7.1. REGIONAL ABORIGINAL ARCHAEOLOGICAL CONTEXT

7.1.1. Sydney Region

Aboriginal archaeological sites within the Sydney region are diverse and include (but not limited to) open campsites, burials, stone tools, midden deposits, scarred trees, grinding grooves and engraving or art sites. The region is identified as having one of the greatest numbers of known art and engraving sites in Australia, most depicting animals, people, and weapons, and providing an insight into social systems, occupation, and spiritual/religious beliefs (Heiss and Gibson 2013). Sites are identified in the region with varying degrees of commonness and rarity, with the most common sites being rock shelters with deposit, open scatters, isolated finds, art sites, grinding grooves and engraving sites. Less common are scar trees and quarrying sites, and rare sites being burials, carved trees, stone arrangements and burials.

Heiss and Gibson (2013) note that proximity to food resources and access to clean drinking water would have been primary motivators for selecting locations for habitation. They note that campsites in the region would likely be sited close to shorelines, particularly in summer, as the region's people were heavily dependent on riverine/estuarine resources. They further note that campsites would not have been located directly adjacent to water sources; rather, on habitable areas not swampy or potentially affected by water.

Comber Consultants (2015:28) summarise the results of several investigations and excavations within the Sydney area, which correspond to the predictive models of the likely site types within the 'coastal zone'. These sites include rock engravings and art sites (Dawes Point, Goat Island) and several middens (Goat Island, East Circular Quay, The Rocks). In addition to shell, several of the middens also contained bone and stone tools manufactured from silcretes, quartz and chert. They have generally been disturbed on account of redevelopment at their various locations, including one at Bennelong Point which was identified as having been excavated by convicts for lime for building mortar. Comber Consultants also summarise their own excavations at Darling Harbour, in which a sequence of middens yielded evidence of six species of edible shellfish, in addition to 63 artefacts, primarily silcrete.

Attenbrow (2010) discusses her extensive work undertaken as part of the Port Jackson archaeological project (2010 pp50-53), which focussed on recording Aboriginal sites within the Port Jackson catchment. The project assessed 335 middens (being an archaeological deposit where shell is the dominant visible cultural item), and 34 deposits (which may include stone, bone, shell, ochre, or hearths) and concluded the following:

- Shell middens only occur in sub-catchments that have ocean and estuarine zones, whilst archaeological deposits occur much more frequently in freshwater zones. Shell deposits do occur in freshwater zones, but in insufficient quantity to be classified as a midden;
- 98% of middens and deposits occur on Hawkesbury Sandstone, and occur in higher densities in this formation than on Wianamatta Shale, Quarternary alluvium and Quarternary sands;
- Archaeological deposits tend to occur in freshwater zones;
- Middens and deposits occur in higher densities in the sub-catchments that include the estuary mouth;
- Most sites occur within council reserves or on undeveloped crown land;
- 61% of middens and 80% of archaeological deposits were identified in rock shelters, rather than in open situations (such as surface artefact scatters);
- Most rock shelters form in sandstone cliffs and outcrops on ridge sides rather than ridge tops.

Attenbrow (2010:205) also notes that grinding grooves are common in the Sydney region and surrounding sandstone country. They are formed when an object such as stone, bone or wood is rubbed across the surface for implement manufacture, or food production such as grinding seeds. Cigar-shaped grooves are

characteristic of manufacturing or sharpening ground-edged stone implements such as hatchet heads, whereas circular or oval shaped grooves are usually the result of grinding food or ochre. Grinding grooves usually occur sandstone immediately adjacent to a water source, such as rock pools, seepage on rock platforms, exposed bedrock in creek beds, and under drip lines in rock shelters.

Middens are further discussed by Attenbrow (2010:207) as usually being in close proximity to marine or estuarine shorelines in coastal environments, and can occur in rock shelters, or an open context.

7.2. LOCAL ARCHAEOLOGICAL CONTEXT

Environmental reporting for the Green Square to Ashmore Connector Road by the City of Sydney (2017) reported the following information.

An artefact scatter with associated dugong bones was identified in 1896 during works associated with the construction of Alexandra Canal. Etheridge et. Al. reported in 1896 that dugong bones and axe heads were located within a layer of sandy clay interspersed with marine shells and that the site was identified, excavated and destroyed in 1896. During Aboriginal archaeological assessment of the Green Square Stormwater Drain corridor, AECOM/ Aurecon Joint Venture did not identify any sites of potential aboriginal heritage sensitivity. Furthermore, AECOM/ Aurecon Joint Venture reported in-situ Aboriginal archaeological deposits were unlikely to occur in identified layers of historic fill in the works area of the Green Square Stormwater Drain corridor. Aboriginal stakeholders were not consulted in light of the assessment and the Environmental Impact Assessment reported there was limited potential for any remaining Aboriginal sites or places in the project area.

The Environmental Impact Statement (EIS) produced by AECOM (2015) for the WestConnex M5 multi-lane road in between the M5 East Motorway, east of King Georges Road and St Peters (approximately 4km west and north west of the project site subject to this report) reported the following information for the project landscape:

The topography of land within the study area from the perspective of its suitability for Aboriginal occupation suggests that the majority of the terrain would have been favourable to occupation. The low, flat estuarine environment around Botany Bay, Sheas Creek and the lower reaches of the Cooks River around Tempe would have offered ready access to both marine and terrestrial food resources, while further west, in the suburbs of Wolli Creek, Turrella and Bardwell Park, Wolli Creek itself would have likewise provided significant food resources as well as potential sandstone rock shelters for habitation.

Within portions of the study area large areas of reclaimed land occur in association with the central and lower reaches of the Cooks River at its junction with Wolli Creek, around Botany Bay, and the original alignment of Sheas Creek. These are the result of several land reclamation programs beginning in the late 19th century. The initial works saw large areas of mangrove adjacent to Wolli Creek drained and the creek channel dredged with the dredged material used as fill along its embankments. The works resulted a significant increase in the depth and width of portions of the creek and the reclamation of approximately 2000 acres of land previously comprising mangrove swamp (Sydney Morning Herald, 1888). This was followed by further reclamation works, including the concreting of banks in the late 1920s undertaken in response to increasing levels of pollution. Between 1947 and 1952, the river was diverted away from the site of Sydney Airport to facilitate additional reclamation and to provide the airport with more land.

Sheas Creek was modified and reclaimed during the construction of the Alexandra Canal in the late 19th century. Combined, these works have produced areas of relatively flat topography, particularly around Waterworth and Kendrick Parks in Tempe, and Tempe Recreation Reserve, Cahill Park in Wolli Creek, and Kogarah Golf Course in Arncliffe. The archaeological implication of these works is the potential disturbance or destruction of many pre-existing sites and deposits associated with the lower reaches of the Cooks River, Wolli Creek and Botany Bay.

AECOM (2015) summarised the results of several aboriginal archaeological investigations that have been carried out over the last three decades in the local area primarily north and west of the Site. The most relevant to the Site have been summarised in Table 9 below.

Table 9 – Previous archaeological investigations surrounding the project site (AECOM 2015).

Author/ Year	Location	Key Findings
AMBS 2003	Kendrick Park, Tempe	Archaeological excavation was undertaken of a portion of Aboriginal shell midden site 45-6-2198 located on a sandstone outcrop at the back of Kendrick Park, Tempe. Three animal bone fragments, six stone artefacts and locally available estuarine shell material were identified. Two radiocarbon dates were obtained from an intact layer of the midden and returned dates of 4328 ±50 years BP and 3901 ±53years BP.
Attenbrow 1984	Canal Road, St Peters	An inspection was undertaken of potential Aboriginal midden site 45-6-1496 located at the St Peters Brickworks, Canal Road. During the inspection it was determined that the shell deposit was not an Aboriginal midden. Its location was interpreted to be indicative of a former Botany Bay shoreline prior to its post c.6000 BP present level. The assessment provides evidence for the existence of massive natural shell beds throughout the local area and note that prior to the construction of the Alexandria Canal and land reclamation the local area was salt water swamp.
Tranby College 1986	Wolli Creek	Archaeological survey was undertaken through the Wolli Creek Valley and surrounds by students of Tranby College. A total of 25 rock shelters and two Aboriginal midden sites were identified. The report notes that the area contains three major resources: estuary fresh water and shelter, and as such would have been a significant resource area for Aboriginal people in the past. Moreover, as one of the few remaining areas of bushland containing Aboriginal sites found in the inner city it is considered highly significant.
Mary Dallas & Dominic Steele 2001	Wolli Creek	Archaeological survey was undertaken of the proposed cycleway between Wolli Creek and the East Hills railway extending from Bexley North and Turrella Stations. No Aboriginal sites were identified during the survey; however, areas of archaeological potential were identified opposite Girrahween Park and Turrella Reserve both within the Wolli Creek Valley.
Jo McDonald Cultural Heritage Management Pty Ltd 2000	Tempe	Archaeological survey in the vicinity of Tempe House was undertaken as part of a proposed development in the area. No Aboriginal sites were identified during the survey and it was noted that significant landscape modification have occurred in the area since the 19 th century.
Jo McDonald Cultural Heritage Management Pty Ltd 2005	Tempe	Salvage excavation, commencing with dispersed mechanical testing followed by controlled hand excavation, was undertaken at AHIMS site 45-6-2737 (Figure 19) located at Discovery Point, directly north of Tempe House. Despite considerable levels of ground disturbance in the area, 389 stone artefacts and an Aboriginal hearth was identified within a sand body (possibly part of earlier Pleistocene aged dune) and subsequently radiocarbon dated to 9,376 ±61 years BP. Artefact densities were considered generally low, with the exception of one knapping floor with silcrete the dominant material. Due to historic levels of disturbance it was uncertain whether the identified material was part of a continuous scatter or a series of discrete, low density clusters. Nonetheless, it is suggested that

Author/ Year	Location	Key Findings
		the excavated site continues around the grounds of Tempe House. Following excavation, the site was destroyed by development.
Jo McDonald Cultural Heritage Management Pty Ltd 2006	Tempe	<p>Salvage excavation was undertaken in two areas:</p> <ul style="list-style-type: none"> • Along the route of a proposed stormwater pipeline to be installed across the Tempe House Conservation Precinct where it was predicted that AHIMS site 45-6-2737 extended. • Within the curtilage of Tempe House. <p>A two-phase programme, including test excavation followed by salvage, was undertaken resulting in the identification of varying densities of both stone artefacts and shell (middens) material. Carbon dating was undertaken of shell sample returning dates between 3,600 to 4,900 years BP. Shellfish was the only shell material identified and no fish or terrestrial animal bones were found. It is suggested that the area around Tempe House represents a past foreshore environment of the Cooks River. No hearths or burials were identified with the author concluding the cultural materials represent a series of palimpsests created during short-term camping events. Pockets of intact Aboriginal archaeological deposit are considered likely to occur in and around Tempe House.</p>

7.3. AHIMS SEARCH

A basic search of the AHIMS database, administered by OEH was undertaken on 6 February 2019. The search was based on Lot 4 DP234489 with results showing that one site is registered within a 1km buffer of the subject site. This is the Shea's Creek site, comprising dugong bones and artefacts identified in the 19th Century construction of Alexandria Canal, and discussed by AECOM in Section 7.2 above. The site is still shown as "Valid" in the AHIMS Search, but the site card identifies that the artefacts at the site were salvaged during the canal construction, and the dugong bones were retained by the Australian Museum (AECOM 2015).

The location is shown in Figure 19.

Table 10 – Shea's Creek site (AHIMS #45-6-0751)

Site Type	Site ID	Features
Open Camp site	45-6-0751	<p>Animal bone</p> <p>Organic material</p> <p>Artefact</p>



Figure 19 – Registered AHIMS site in relation to the Site

Source: Urbis 2019

7.4. PREDICTIVE MODEL

The archaeological context presented above suggests that, most likely on account of the Hawkesbury Sandstone, the most common site types in the local area are coastal zone sites including rock shelters with deposits, primarily comprising marine shell middens, animal bone and artefacts. Stone tools, by their nature, are not as susceptible to environmental factors and are often the most persistent identifier of the presence of Aboriginal peoples. Where items made out of organic material such as spears, fish traps or similar have been used to exploit riverine or forest resources, these would have likely suffered the effects of environmental decay and are rare in the archaeological record.

The sites identified above likely represent longer term occupational sites, related to exploitation primarily of the coastal zone including local swamp and marshland but also terrestrial animals. The investigations and sites identified above have been found in less disturbed contexts, namely conservation parks, heritage precincts or riparian zones. No sites were located in significantly disturbed contexts.

Disturbed Land

Further consideration of the potential for intact, in-situ archaeological deposits to inform any predictive model is given to (activities proposed within) landforms or landscape features identified by OEH (2010) as sensitive and indicating the potential presence of Aboriginal objects. These include:

- Locations within 200m of waters, including streams;
- Locations within a sand dune system;
- Locations on a ridge top, ridgeline or headland;
- Within 200m below or above a cliff face;
- Within 200m of or in a cave, rock shelter or cave mouth; and
- Locations on land that is not 'disturbed land'.

'Disturbed land' is described in the NPW Regulation as *land [that has been] the subject of human activity that has changed the land's surface, being changes that remain clear and observable. Examples of activities that may have disturbed land include soil ploughing, construction of rural infrastructure, construction of roads, trails and tracks, clearing of vegetation, construction of buildings and the erection of other structures, construction or installation of utilities and other similar services (such as above or below ground electrical infrastructure, water or sewerage pipelines, stormwater drainage, and other similar infrastructure), substantial grazing involving the construction of rural infrastructure, and earthworks associated with any of the aforementioned items* (OEH 2010).

Considering the above, the Site does not contain, nor is within the identified buffer zone of, any sensitive landscape features or landforms. The present alignment of Alexandria Canal (Shea's Creek) is approximately 550m away from the Site at its closest point. The waterway has been significantly modified and realigned, however it is unlikely that the alignment formerly came within 200m of the Site. The Site is considered to conform to the definition of 'disturbed land', including historic grazing, historic clearing of trees, erection of buildings and structures, and installation of utilities (refer Section 5).

Predictive Model

Predictive modelling for the presence of Aboriginal archaeological sites within the Site is at Table 11.

Table 11 – Predictive Model

Site Type	Predictive Model
Rock Shelter	<p>Rock shelters are one of the most common types of archaeological site found in the Sydney region, largely due to the Hawkesbury Sandstone of the region. They are usually present on cliffs and outcrops at ridge sides, rather than ridge lines. There are no outcrops or landscape features to indicate potential for rock shelters in the Site.</p> <p>The potential for rock shelters within The Site is none.</p>
Midden	<p>The Site is located within the Cooks River catchment, approximately 3km from the mouth of the river. The natural alignment and composition of the River has been significantly altered over time primarily as a result of land modification and reclamation for the Airport. The historic maps (partial) in Figures 5 and 6 (Section 5.3) show the indicative location of the Site in relation to the historic alignments of Cooks River and Shea's Creek, and associated mud flats and swampy mangroves. Middens have been recorded extensively throughout the local region, and there is some potential for middens or shells to be located in pockets within the Site. However, there are no landscape features, such as rock shelters, caves or overhangs, that suggest the subject site or immediate surroundings would have been desirable for long term occupation. It is more likely that archaeological sites representing resource procurement and longer term habitation would like to the south, on the low ground adjacent to the confluence of Cooks River, near the (former) Engine Pond and Mill Stream.</p> <p>The potential for middens within the Site is low.</p>
Grinding Groove	<p>Grinding Grooves are a common occurrence within areas of sandstone geology, particularly where sheets of exposed sandstone lie within or adjacent to water courses, as water is usually used in the grinding process. No sandstone features or natural water courses are known to have historically occurred in the Site.</p> <p>The potential for grinding grooves within the Site is none.</p>
Art / Engraving Site	<p>The Sydney region is acknowledged as having some of the highest known incidences of rock art and engravings in NSW, possibly Australia, and are often found in association with sandstone geology. Art is often applied with ochre, charcoal or other dry pigments,</p>

Site Type	Predictive Model
	<p>whereas engraving sites are created through abrasion, scratching or other surface impacts.</p> <p>No suitable landscape features are present within the site to suggest potential for Art or Engraving Sites.</p> <p>The potential for art sites within the Site is none.</p>
Open Campsite (stone artefacts)	<p>Open campsites are common on the Cumberland Plain to the west of the Site, particularly in relation to the presence of good quality lithic quarries. The presence of such quarries declines towards the coastal/estuarine zone of the Sydney region, and therefore the occurrence of open campsites also declines.</p> <p>Where stone artefact sites have been identified in the Sydney region, they are most frequently located in association with rock shelters and/or middens, rather than as discrete open sites. This is demonstrated in the results of archaeological investigations presented above.</p> <p>The potential for stone artefacts in the Site is considered low.</p>
Scarred Trees	<p>There are no mature trees within the site that indicate potential for cultural scarring.</p> <p>The potential for scarred trees in the Site is considered none.</p>
Ceremonial Sites	<p>No ceremonial sites or places of spiritual significance are known to exist within the subject site or surrounds. Consultation with Aboriginal parties would be required to identify such sites.</p>

7.5. VALUES ASSESSMENT

The following presents an assessment of the social, historical, scientific and aesthetic values of the Site and reflects the process outlined by OEH (2011).

Table 12 – Values Assessment

Value	Assessment
Social	<p>Social or cultural value refers to the spiritual, traditional, historical or contemporary associations and attachments the place or area has for Aboriginal people. This value can only be identified through consultation with Aboriginal people.</p> <p>No information has been provided to suggest the Site has social or cultural value to Aboriginal people.</p>
Historic	<p>The Site, including immediate surrounds, would have been visited by Aboriginal people prior to European invasion, and post-contact interactions would have occurred in the area. However, there is no information known to date that demonstrates the Site has been the location of an historically important phase, event or activity to the Aboriginal community.</p> <p>No information has been provided by RAPs to suggest the site has historical importance to Aboriginal people.</p>

Value	Assessment
Scientific	<p>Scientific significance refers to the importance of a landscape area, place, or object because of its rarity, representativeness and extent to which it may contribute to further understanding and information.</p> <p>The OEH Guide to investigating, assessing and reporting on Aboriginal cultural heritage notes that information about scientific values will be gathered through any archaeological investigation undertaken. No archaeological investigation has been undertaken for the preparation of this ACHAR, and therefore the assessment below is based on the potential for the site to yield archaeological material, as considered in the predictive model in Table 11 above.</p> <p>The predictive model and information contained at Sections 6 and 7 of this document suggests that overall the site has low to no potential for Aboriginal archaeological sites.</p> <p>There are no rare or notable landscape features that could contribute knowledge that is not available from other similar sites, and if sub-surface deposits such as shell or stone artefacts are extant, they are unlikely to be of a size or complexity that will make a significant contribution to the archaeological record and research knowledge of the pre-European local area or broader region, however would contribute additional knowledge to an understanding of the occupation, and extent of occupation, of the local area. Archaeological deposits within the Site, should they be present, are unlikely to be of significant educational value (scientific) or answer major research questions about the pre-European habitation of the area.</p> <p>No information has been provided by RAPs to suggest the site has scientific importance to Aboriginal people. One group has commented that if any archaeological finds are made, these should be returned to Country, or kept in a secure keeping place, as they would have value as educational items.</p>
Aesthetic	<p>This refers to the sensory, scenic, architectural, and creative aspects of the place and is often closely linked with social values.</p> <p>The Site is a car park, with some modern structures, and is surrounded by commercial development primarily associated with Qantas' airport operations. There are some plantings, either to provide shade for vehicles, screen from the surrounding streets, or to break up the monotony of the flat, asphalted surface that has largely removed all traces of the natural environment. The plantings provide some degree of a green palette against a heavily commercialised and industrialised area but overall, the Site is plain and functional. It, and the surrounding area, is not considered to have any aesthetic significance.</p> <p>No information has been provided by RAPs to suggest the site has aesthetic value.</p>

8. PROPOSED ACTIVITY

Safety is Qantas' first priority. The flight training centre is a key pillar of this value. The facility enables pilots and flight crews to undertake periodic testing to meet regulatory requirements by simulating both aircraft and emergency procedural environments. The Project seeks consent for the construction and operation of a new flight training centre, and associated ancillary uses including a multi-deck car park. The Project is comprised of the following uses:

Flight Training Centre

The proposed flight training centre will occupy the southern portion of the site. It is a building that comprises four core elements as follows:

- An emergency procedures hall that contains;
 - cabin evacuation emergency trainers,
 - an evacuation training pool,
 - door trainers,
 - fire trainers
 - slide descent towers,
 - security room,
 - aviation medicine training and equipment rooms.
- A flight training centre that contains:
 - a flight training hall with 14 bays that will house aircraft simulators,
 - integrated procedures training rooms, computer rooms, a maintenance workshop, storerooms, multiple de-briefing and briefing rooms, pilot's lounge and a shared lounge.
- Teaching Space that contains
 - training rooms,
 - classrooms and two computer-based exam rooms.
- Office Space
 - Office space for staff and associated shared amenities including multiple small, medium and large meeting rooms, think tank rooms, informal meeting spaces, a video room and lunch/tea room.
- Ancillary spaces including the reception area at the ground floor, toilets, roof plant and vertical circulation. The external ground floor layout will include a loading dock, at-grade car parking for approximately 39 spaces and a bus drop-off zone at the northern site boundary.

Car Park

The proposed multi-deck car park will be located to the north-east of the flight training centre and adjacent the existing Qantas catering facility and tri-generation plant. The car park is 13 levels and will provide 2059 spaces for Qantas staff. Vehicle access to the car park will be provided via King Street, Kent Road and from Qantas Drive via the existing catering bridge.

Demolition and Excavation

The proposal includes the removal of the existing engineering store and gatehouse at the southern end of the Site. These are anticipated to be demolished to ground surface only, and are understood to be constructed on concrete hardstand. Landscape drawings (Scott Carver 2019) indicate that the majority, if not all, existing site trees are to be retained, as are many of the existing retaining walls and fences.

Overall, no bulk excavation is anticipated for the purposes of this project, with existing ground surfaces and levels being retained. There may be some localised excavation associated with footings or services installation that are most likely to only extend vertically into fill layers but precise details and depths have not yet been determined. There may be a requirement for piles to be driven into bedrock, and a pool is proposed which may require excavation to 4m depth if that facility progresses.

Renders and plans of the proposed works are at Figure 20 to Figure 26.

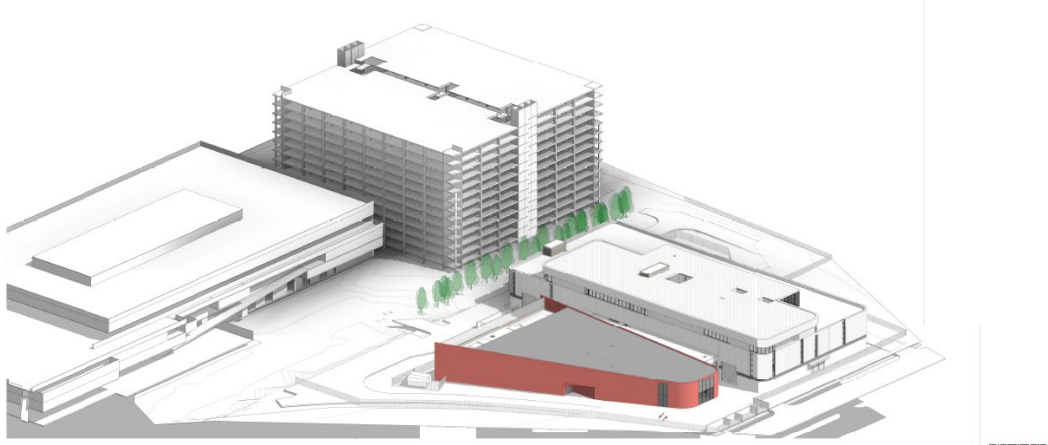


Figure 20 – Extract of proposal – render

Source: Noxon Giffen Architects 2019

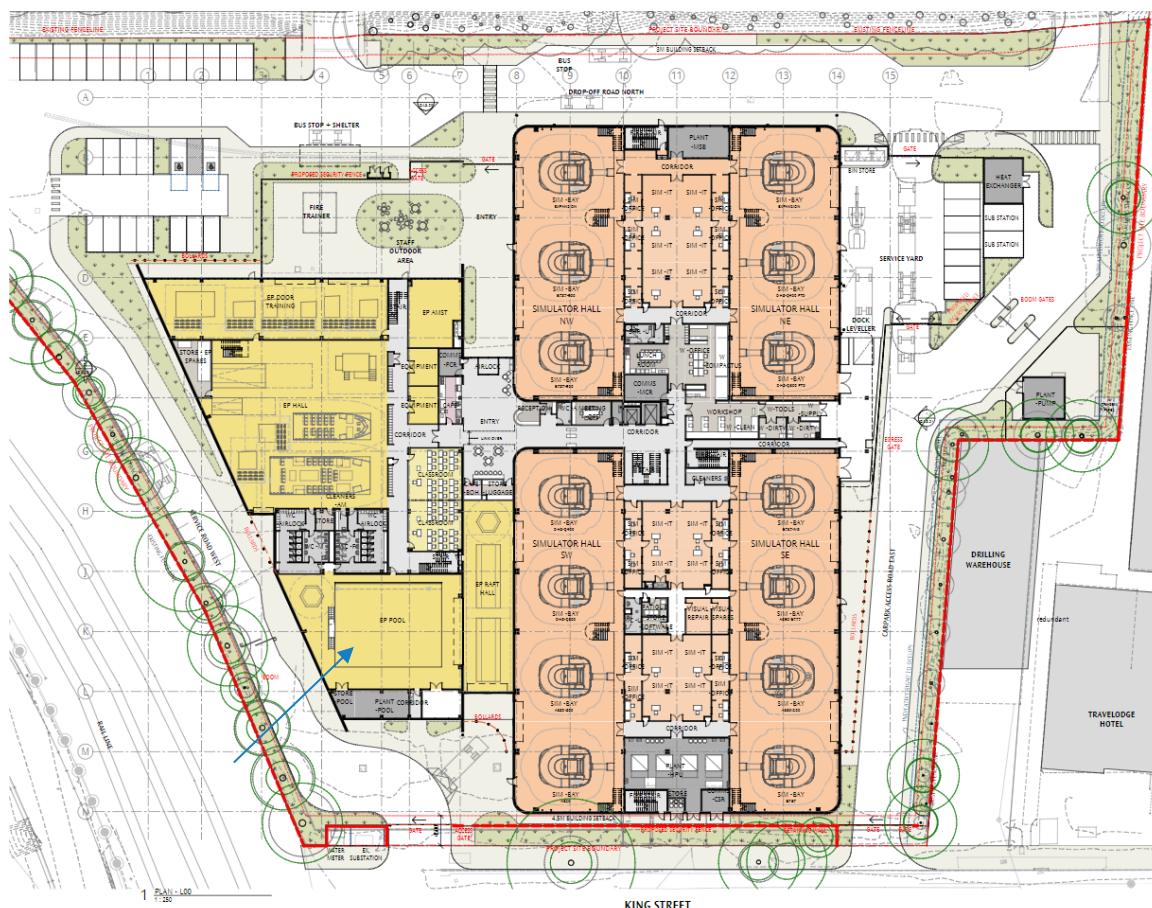


Figure 21 – Extract of proposal – site plan, including potential future location of pool (indicated by blue arrow)

Source: Noxon Giffen Architects 2019. Preliminary drawing, D.09 NGA-S1822-DWG-DA3.01

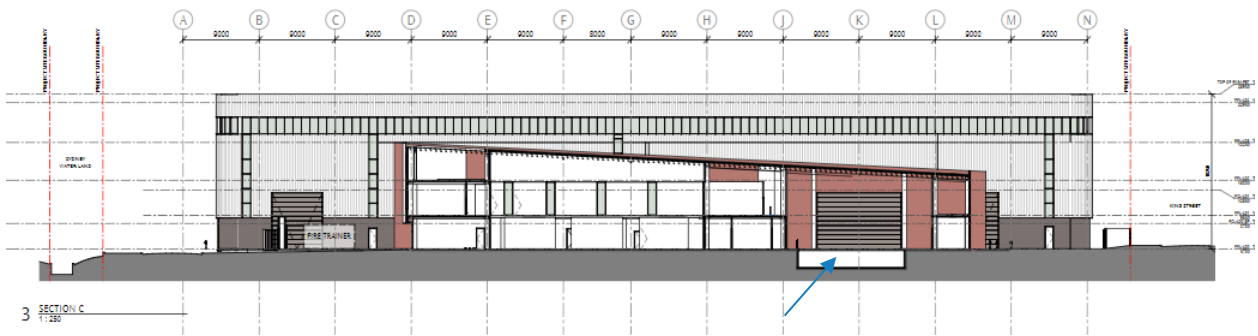


Figure 22 – Section drawing, including potential location of pool (indicated by blue arrow)

Source: Noxon Giffen Architects 2019 Preliminary drawing, D.04 NGA-S1822-DWG-DA3.26

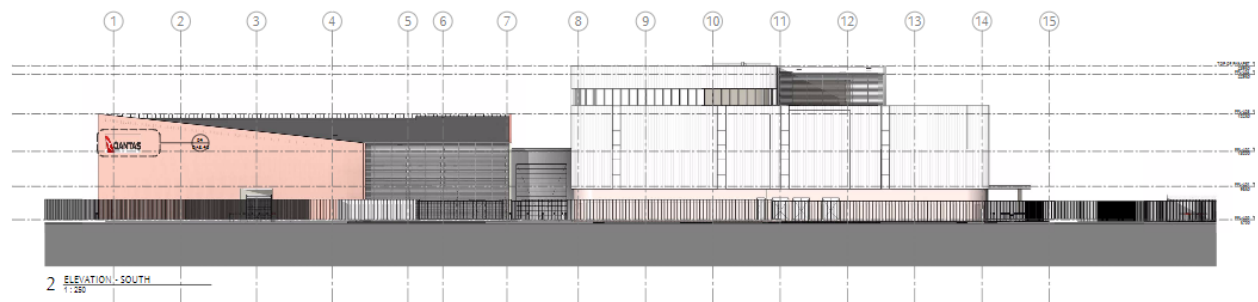


Figure 23 – Section drawing, elevation south, with existing site levels retained

Source: Noxon Giffen Architects 2019. Preliminary drawing, D.06 NGA-S1822-DWG-DA3.20

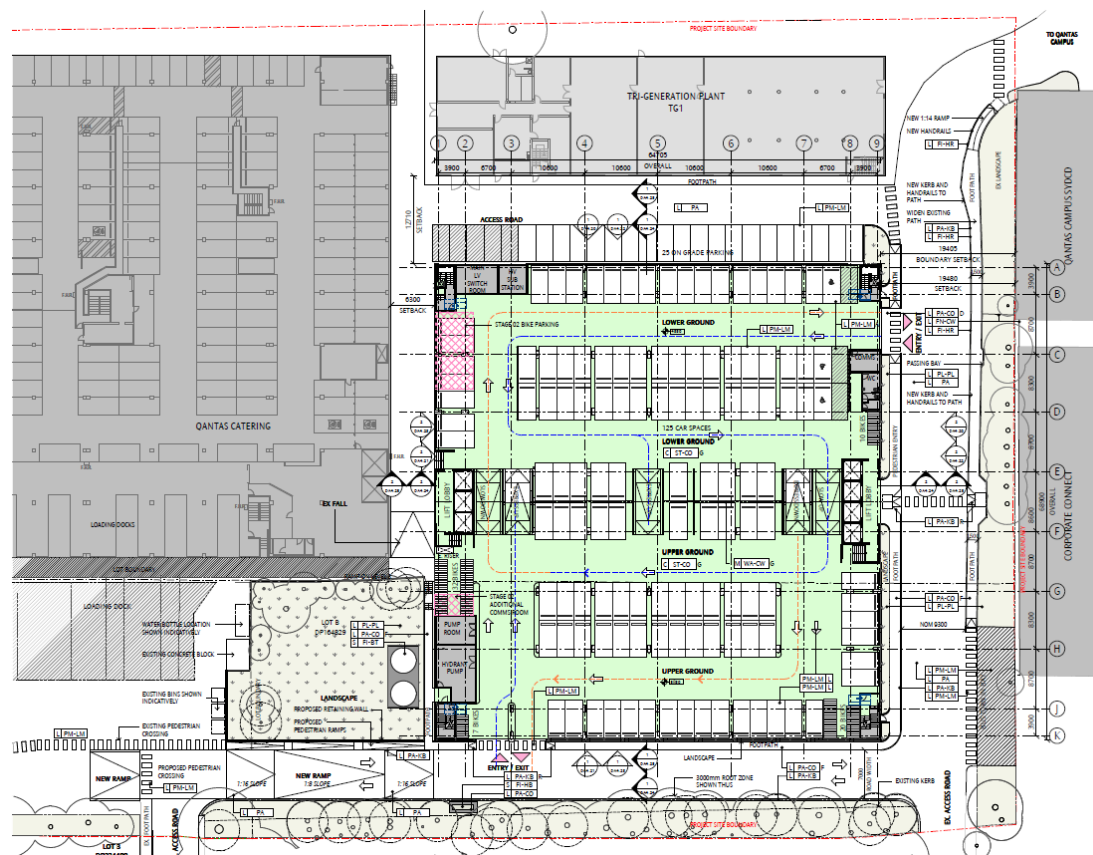


Figure 24 – Car Park Plan

Source: Noxon Giffen Architects Plan – A1 Site and Ground Floor NGA-1822-DWG-DA4.01

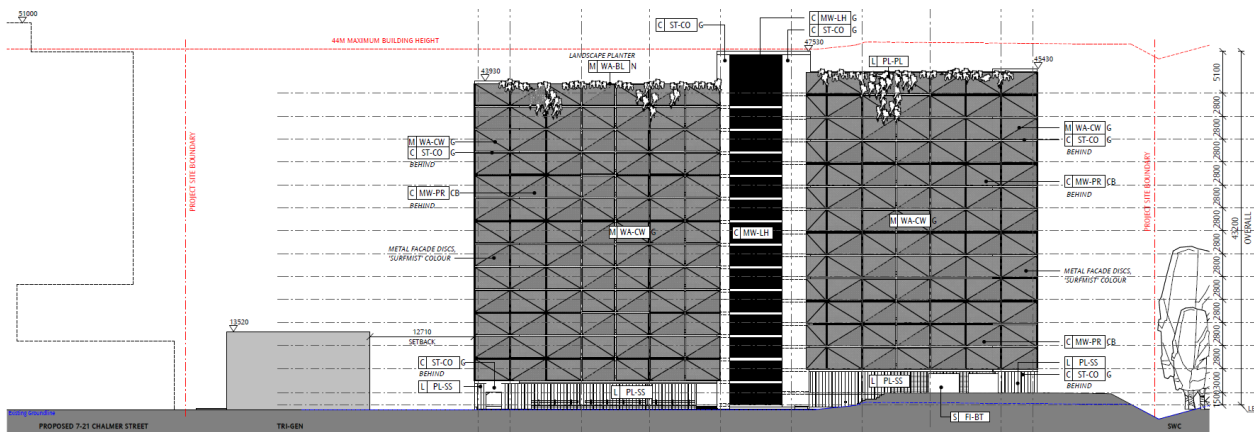


Figure 25 – General Arrangement – Elevations – West Elevation – Car Park

Source: Noxon Giffen Architects Plan A1 NGA-1822-DWG-DA4.23

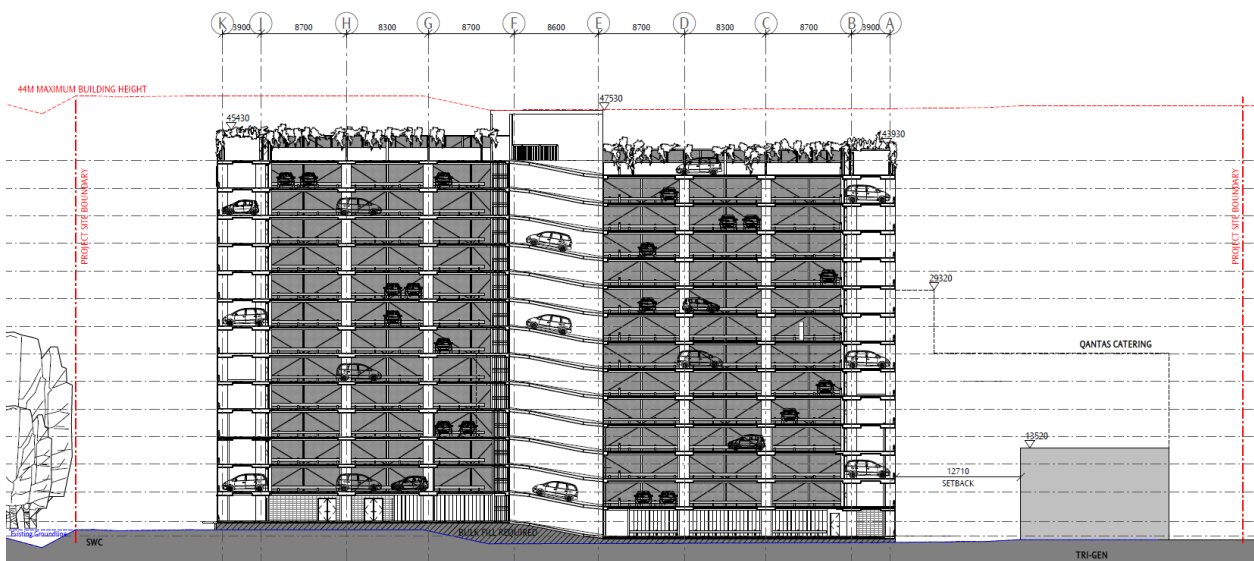


Figure 26 – General Arrangement – Sections Stage 02 – Car Park

Source: Noxon Giffen Architects Plan A1 NGA-1822-DWG-DA4.25

9. IMPACT ASSESSMENT

This section identifies the potential impacts to cultural heritage arising from the proposal, including demolition, excavation and construction phases. Harm can be indirect or direct, defined as (OEH 2011):

- 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; or
- 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.

It is noted that no Aboriginal archaeological or cultural sites, or landscapes/landforms of potential significance, have been identified within, or in close proximity to the Site. Therefore this section considers the possibility of harm to the potential archaeological resource, as identified in the predictive model at Section 7.

9.1. DIRECT HARM

Demolition Phase

It is understood that the existing gatehouse and warehouse at the south of the Site will be removed. There are no other built features requiring removal. These buildings appear to have been constructed on concrete hardstand, and therefore it is anticipated that minimal to no ground disturbance will occur as a result of removal of the existing structures.



Picture 10 – Gatehouse

Source: Urbis 2019



Picture 11 – Engineering store (warehouse)

Source: Urbis 2019

Excavation Phase

The full scope of details for future excavation is not currently known, however at present the proposal is to retain all existing ground levels and build upon existing levels. Excavation may be required for piling or similar for structural loading of the future building; however that is dependant on final design and construction drawings. Where piles are required, they are likely to be drilled, and to a depth of at least 20m.

Where excavation is required in future for footings, or for services, it is anticipated that these vertical depths are unlikely to exceed the depths of existing fill across the site. The northern portions of the site are indicated to comprise asphalt surface above a fill layer between 1.1m and 3m depth. Central portions of the site are asphalt overlying a fill layer between 1.3 and 4m deep, while the southern portions of the site have a fill layer directly below the current surface with a depth of between 1.3m to at least 3m. Refer to Section 6.6, geotechnical investigations.

Should the proposed pool be constructed, depth of excavation may be up to 4m. The pool is currently proposed in the south-west of the site, with bore logs indicating fill in this general area is between 2.5 and at least 3m depth. This fill is believed to overly natural ground, therefore there is potential for the pool to be excavated into natural soil layers. However, it is believed that the fill was laid for the creation of a level surface for the car park, and therefore the natural layers beneath are likely to be significantly disturbed as a result of historical land uses (refer Section 5). Non-Aboriginal cultural materials have been identified in the fill layer and upper layer of the natural soil, including ash, glass, scrap metal, tiles, and wood chips.

The results of the archaeological context assessment and predictive model suggest that should natural soil layers be present below the existing fill layers, there is low potential for the presence of cultural material, most likely shell deposits or artefacts. If historic land uses have disturbed natural layers, any such deposits are unlikely to be in-situ. The Site is not considered to have had a location or landscape features desirable for long term occupation or habitation, and it is unlikely that there are substantial complex deposits of significant scientific value that would be impacted by the excavation and construction for the pool, but there may be impacts on the cultural values of the site and local area. With broader consideration of the fill levels across the site, positioning the pool in the south-west of the Site is more likely to result in the least impact on non-fill soil levels, as this general area is understood to have the deepest deposits of fill material.

Construction Phase

Construction is unlikely to impact on ground levels or the archaeological record.

9.2. INDIRECT HARM

No sites or features of Aboriginal archaeological significance are known immediately beyond the area of the proposed activity. No indirect harm to archaeological sites is anticipated as a result of any of the proposed project.

10. SUMMARY AND RECOMMENDATIONS

10.1. SUMMARY

This ACHAR determines the following:

- The Site proposed for construction of the Flight Training Centre conforms to the OEH definition of 'disturbed land'. Historic land uses that lead to this conclusion include 19th and 20th Century subdivision and establishment of roads, agricultural (market garden) uses and associated building construction in the 20th Century, mid- to late-20th Century industrial uses such as smelting, storage, manufacturing, and associated site works and buildings, and late 20th Century building construction;
- These historic uses are likely to have significantly disturbed at least topsoil layers;
- Between 1.1m and at least 3m of fill is known to be present across the site, but there also appears to be natural layers beneath. However, the fill is believed to have been laid to form a level surface for the car park, and therefore the historical ground disturbance is likely to have impacted on those natural layers beneath the fill;
- One archaeological site has been located within 1km of the Site, at Alexandra Canal approximately 750m to the north west of the Site. The archaeological site is believed to have been salvaged, but dated to the late 19th Century;
- Substantial, complex archaeological deposits are unlikely within the Site, and are therefore unlikely to be impacted on by the Project.

10.2. RECOMMENDATIONS

Based on a current understanding of the environmental and archaeological context of the Site, and the scope of the proposed works for the Project, direct or indirect impacts to archaeological deposits are considered unlikely, and no further archaeological investigation is considered to be required for the Project. However, a procedure for unexpected finds of archaeological material must be implemented, and if broad or substantial excavation is proposed in future, further consideration of impacts may be required.

10.2.1. Cultural Heritage Induction

It is recommended that induction materials be prepared for inclusion in site inductions for any contractors working at the Site. The induction material should include an overview of the types of sites to be aware of (i.e. artefact scatters or concentrations of shells that could be middens), obligations under the NPW Act, and the requirements of an archaeological finds procedure (refer below), which should be prepared for the project and included in any site management plans.

The induction material may be in paper-based, included in any hard copy site management documents; or electronic, such as "Powerpoint" for any face to face site inductions.

10.2.2. Archaeological Finds Procedure

Although considered unlikely, should any archaeological deposits be uncovered during any site works, a procedure must be implemented. The need to implement an Archaeological Finds Procedure has been identified by one RAP as a project requirement. This should include:

6. All works stop in the vicinity of the find. The find must not be moved 'out of the way' without assessment;
7. Site supervisor, or other nominated site representative must contact either the project archaeologist (if relevant) or OEH, who can identify a suitably qualified archaeologist;
8. Archaeologist examines the find, provides a preliminary assessment of significance, records the item and decides on appropriate management, in conjunction with the RAPs for the Project. Such management may require further consultation with OEH, preparation of a research design and archaeological investigation/ salvage, preparation of AHIMS Site Card and request for an AHIP from OEH, or preparation of an Aboriginal Cultural Heritage Management Plan;

9. Depending on the significance of the find, reassessment of the archaeological potential of the Site may be required, and further archaeological investigation;
10. Report may need to be prepared regarding the find and approved management strategies. Any such documentation should be appended to this ACHAR, and revise accordingly;
11. Works at the find can only recommence upon relevant approvals from OEH.

10.2.3. Human Remains

In the unlikely event that human remains are uncovered during any site works, the following must be undertaken:

12. All works within the vicinity of the find immediately stop;
13. Site supervisor or other nominated manager must notify the NSW Police, and OEH;
14. The find must be assessed by the NSW Police, and may include the assistance of a qualified forensic anthropologist;
15. Management recommendations are to be formulated by the Police, OEH, and site representatives;
16. Works are not to recommence until the find has been appropriately managed.

11. REFERENCES

AECOM 2015 *WestConnex: Environmental Impact Statement*.

Arcadis 2019 *Construction Environmental Management Plan: Qantas Flight Training Centre and Carpark, 297 King St, Mascot, NSW 2020*

Arcadis 2019 *Environmental Site Assessment: Proposed King Street North Facility and Option 2A King Street, Mascot NSW*

Artefact Heritage 2017 *Sydney Metro: Environmental Site Assessment*.

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<https://historyatbayside.wordpress.com/2016/10/14/changing-boundaries-changing-names-the-history-behind-bayside-council/>

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<http://www.sydneybarani.com.au/sites/aboriginal-people-and-place/>

Molino Stewart 2007 *Botany Bay Cable Project: Environmental Assessment*.

Muir, L. 2013 *Aboriginal people of the Cooks River valley*.
https://dictionaryofsydney.org/entry/aboriginal_people_of_the_cooks_river_valley

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Office of Environment and Heritage 2010 *Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales*
<https://www.environment.nsw.gov.au/resources/cultureheritage/ddcop/10798ddcop.pdf>

Office of Environment and Heritage 2011 *Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW*
<https://www.environment.nsw.gov.au/resources/cultureheritage/20110263ACHguide.pdf>

Office of Environment and Heritage 2015 *Consultation Requirements*
<https://www.environment.nsw.gov.au/licences/consultation.htm>

Office of Environment and Heritage 2016 *Sydney Basin: Biodiversity*
<https://www.environment.nsw.gov.au/bioregions/SydneyBasin-Biodiversity.htm>

Office of Environment and Heritage n.d. *Alexandra Canal*
<https://www.environment.nsw.gov.au/heritageapp/ViewHeritageItemDetails.aspx?ID=5053860>

DISCLAIMER

This report is dated 15 July 2019 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's (**Urbis**) opinion in this report. Urbis prepared this report on the instructions, and for the benefit only, of Qantas Airways Limited (**Instructing Party**) for the purpose of ACHAR (**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.

In preparing this report, Urbis may rely on or refer to documents in a language other than English, which Urbis may arrange to be translated. Urbis is not responsible for the accuracy or completeness of such translations and disclaims any liability for any statement or opinion made in this report being inaccurate or incomplete arising from such translations.

Whilst Urbis has made all reasonable inquiries it believes necessary in preparing this report, it is not responsible for determining the completeness or accuracy of information provided to it. Urbis (including its officers and personnel) is not liable for any errors or omissions, including in information provided by the Instructing Party or another person or upon which Urbis relies, provided that such errors or omissions are not made by Urbis recklessly or in bad faith.

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 CONSULTATION LOG

Organisation Contacted	Name	How	Address	Date	Other Info	Response	Date	Name	Information
OEH	OEH ROD	Email	gs.ach@environment.nsw.gov.au	14.01.2019	n/a	Y	15.01.2019	Barry Gunther	Supplied list of Aboriginal groups. No Registered Aboriginal Owners in the project area. Recommend contacting MLALC
ORALRA	Admin	Email	adminofficer@oralra.nsw.gov.au	17.01.2019	Response received 17.01 - needed more info on project location. Information sent	Y	06.02.2019	Elizabeth Loane	Register search/ search of Native Title Vision shows that no native title claims/registrations/determinations are over the subject site.
NNTT	n/a	Email	enquiries@nntt.gov.au	17.01.2019	Response received 17.01. Reply email notes that NNTT is attempting to remove itself from the list of sources for Aboriginal groups in development areas in NSW.	Y	17.01.2019	n/a	n.a
NTS Corp	n/a	Email	information@ntscorp.com.au	17.01.2019	No response	N	n/a	n/a	n.a
Bayside Council	Generic	email	council@bayside.nsw.gov.au	07.02.2019	Noted that Bayside Council does not currently have an official register of Aboriginal community organisations and individuals with an interest in the area, but Bayside Council falls within the area of MLALC. Council is currently undertaking an Aboriginal Heritage Study, due in 2020, to understand how the Aboriginal community would like to be consulted in future.	Y	19.03.19	Louise Thom	Noted that Bayside Council does not currently have an official register of Aboriginal community organisations and individuals with an interest in the area, but Bayside Council falls within the area of MLALC. Council is currently undertaking an Aboriginal Heritage Study, due in 2020, to understand how the Aboriginal community would like to be consulted in future.
Greater Sydney - Catchment Management Authority	n/a	n/a	n/a	n/a	Previous communication with GSCMA states that they are in the process of getting removed from the list to identify Aboriginal parties. They work with Aboriginal groups in resource management but not cultural heritage.	n/a	n/a	n/a	n/a
Metro LALC	Nathan Moran	Email	metrolalc@metrolalc.com.au	31.01.2019	n/a	N	n/a	n/a	n/a

List of potential stakeholders from OEH within LGA - Botany Bay

Organisation	Contact Name	Email/Fax	Other Info	Date and Method Sent	Response? Y/N
A1 Indigenous Services	Carolyn Hickey	cazadirect@live.com		Email 01/02/2019	Yes 05/02/2019
Amanda Hickey Cultural Services	Amanda Hickey	amandahickey@live.com.au		Email 01/02/2019	Yes 01/02/2019
B.H. Heritage Consultants	Ralph Hampton Nola Hampton Both would like to be notified of projects	hamptonralph46@gmail.com nhampton77@gmail.com		Email 01/02/2019	Yes - Ralph Hampton - 05/02/2019
Badu	Karia Lea Bond	n/a		Post 12/02/19	Yes - email 12.02.2019
Barking Owl Aboriginal Corporation	Mrs Jody Kulakowski	barkingowlcorp@gmail.com		Email 01/02/2019	N
Biamanga	Seli Storer	biamangachts@gmail.com		Email 01/02/2019	N
Bilinga	Simalene Carriage	bilingachts@gmail.com		Email 01/02/2019	Yes - email 11/02/2019
Bilinga Cultural Heritage Technical Services	Robert Brown	bilinga@mirramajah.com		Email 01/02/2019	N - undeliverable bounce-back
Butucarbin Aboriginal Corporation	Jennifer Beale	koori@ozemail.com.au		Email 01/02/2019	N
Cullendulla	Corey Smith	cullendullachts@gmail.com		Email 01/02/2019	N
Darug Boorooberongal Elders Aboriginal Corporation	Gordon Workman	boorooberongal@outlook.com		Email 01/02/2019	Yes - email 5/02/2019
Darug Land Observations	Jamie and Anna Workman	daruglandobservations@gmail.com		Email 01/02/2019	Yes - email 22.02.2019
Dharug	Andrew Bond	ddharugchts@gmail.com	Response from Wally Caines, Chairperson, Dharug, Murrin Stakeholder	Email 01/02/2019	Yes 11/02/2019
Didge Ngunawal Clan	Paul Boyd	didgengunawalclan@yahoo.com.au		Email 01/02/2019	Yes 01/02/2019
Eric Keidge	Lillie Carroll	eric.keidge@gmail.com		Post 12/02/19	N
Ginninderra Aboriginal Corporation	Eric Keidge Steven Johnson Krystle Carroll	ginninderra.corp@gmail.com		Email 01/02/2019	Yes 08/02/2019
Goobah Developments	Basil Smith	n/a		Post 12/02/19	N
Gulaga	Wendy Smith	gulagachts@gmail.com		Email 01/02/2019	N
Gunyu	Kylie Ann Bell	gunyuuchts@gmail.com	Response from Mundarra Drew, Chairperson of Gunyu Murrin Stakeholders	Email 01/02/2019	Yes 11/02/2019

Gunyu Cultural Heritage Technical Services Jerringong	Darlene Hoskins-McKenzie Joanne Anne Stewart	gunyuu@mirramajah.com management@mirramajah.com jerringong@gmail.com		Email 01/02/2019 Email 01/02/2019	N - undeliverable bounce- back N
Metropolitan Local Aboriginal Land Council	Nathan Moran	metrolalc@metrolalc.org.au		Email 01/02/2019	N
Minnamunnung Munyunga	Aaron Broad Kaya Dawn Bell	minnamunnung@gmail.com munyangachts@gmail.com		Email 01/02/2019 Email 01/02/2019	N Yes - email 11/02/2019
Munyunga Cultural Heritage Technical Services Murramarang	Suzannah McKenzie Roxanne Smith	munyunga@mirramajah.com murramaragchts@gmail.com	Response from Jason Bell	Email 01/02/2019 Email 01/02/2019	n/a - undeliverable. Response 11.02.19 from munyangachts@gmail.com
Murrumbul Murrumbul Cultural Heritage Technical Services	Mark Henry Levi McKenzie-Kirkbright	murrumbul@gmail.com murrumbul@mirramajah.com	Response from Shane Saunders	Email 01/02/2019 Email 01/02/2019	Yes 11/02/2019 N - undeliverable bounce- back N - undeliverable bounce- back
Nerrigundah	Newton Carriage	nerrigundachts@gmail.com ngambaaculturalconnections@hotmail.com		Email 01/02/2019	
Ngambaa Cultural Connections	Karina Slater			Email 01/02/2019	Yes 01/02/2019
Nundagurri Pemulwuy CHTS Thauaira	Newton Carriage Pemulwuy Johnson Shane Carriage	nundagurri@gmail.com pemulwuyd@gmail.com thauairachts@gmail.com	Response from Thomas Tighe Reply from Shane Davis	Email 01/02/2019 Email 01/02/2019 Email 01/02/2019	Yes 11/02/2019 N Yes 12.02.2019
Thoorga Nura	John Carriage	thoorganura@gmail.com		Email 01/02/2019	N
Tocomwall Wailwan Aboriginal Group Walbunja Walgalu Wingikara Wingikara Cultural Heritage Technical Services	Scott Franks Philip Boney Hika Te Kowhai Ronald Stewart Hayley Bell Wandai Kirkbright	scott@tocomwall.com.au waarlan12@outlook.com walbunja@gmail.com walgaluchts@gmail.com wingikarachts@gmail.com wingikara@mirramajah.com	Murrin Stakeholder group? Reply from Izahya Clay	Email 01/02/2019 Email 01/02/2019 Email 01/02/2019 Email 01/02/2019 Email 01/02/2019 Email 01/02/2019 undeliverable result	Yes 03/02/2019 N Yes 11/02/2019 Yes 12.02.2019 Yes 12.02.2019 N - undeliverable bounce- back
Wullung	Lee-Roy James Boota	n/a		Post 12/02/19	N
Yerramurra	Robert Parson	yerramurra@gmail.com	Reply from Nathan Walker- Davis	Email 01/02/2019	Yes 12.02.2019

Organisation that Responded	Contact Name	Email/Fax	Other Info	Date Registered
A1 Indigenous Services	Carolyn Hickey	cazadirect@live.com	Registration of interest. Supplied reference if needed.	05.02.2019
Amanda DeZwart AHCS (Amanda Hickey AHCS)	Amanda Hickey	amandahickey@live.com	AHCS would like to register a interest in upcoming Sydney Kingsford Smith airport relocation AHCS holds cultural knowledge towards determining indigenous artefacts and cultural knowledge towards the land	01.02.2019
B.H. Heritage Consultants	Ralph Hampton	hamptonralph46@gmail.com	Registration of interest. Requested call back. <i>HM returned call 12.02.2019 - brief conversation about the project, whether there'd be field work and what was happening. HM expressed it was a built site, existing car park and unlikely to include fieldwork but that the invitation would be extended to all stakeholders if requested. No request for site inspection.</i>	05.02.2019
Badu CHTS	Karia Bond	baduchts@gmail.com	Murrin Stakeholder group? <i>Do not pass on contact details to LALC</i>	11.02.2019
Bilinga CHTS	Simalene Carriage	bilingachts@gmail.com	Murrin Stakeholder group? <i>Do not pass on contact details to LALC</i>	11.02.2019
Darug Boorooberongal Elders Aboriginal Corporation	Uncle Gordon Workman	boorooberongal@outlook.com	DBEAC would like to be involved in any and all consultation, meetings and field work. Does not accept anyone not Darug in having input into project area. Letter in project file	01.02.2019
Dharug CHTS	Wally Caines Anna O'Hara Jamie Workman & Uncle	ddharugchts@gmail.com	Murrin Stakeholder group? <i>Do not pass on contact details to LALC</i>	11.02.2019
Darug Land Observations	Gordon Workman	daruglandobservations@gmail.com	Registration of interest (late)	22.02.19
Didge Ngunawal Clan	Paul Boyd	didgengunawalclan@yahoo.com.au	Registration of interest	01.02.2019
Ginninderra Aboriginal Corp	Krystle Carroll	ginninderra.corp@gmail.com	Registration of interest Murrin Stakeholder group?	08.01.2019
Gunyu CHTS	Mundarra Drew	gunyuuchts@gmail.com	Murrin Stakeholder group? <i>Do not pass on contact details to LALC</i>	11.02.2019
Munyunga CHTS	Jason Bell	munyungachts@gmail.com	Murrin Stakeholder group? <i>Do not pass on contact details to LALC</i>	11.02.2019
Murrumbul	Shane Saunders	murrumbul@gmail.com	Murrin Stakeholder group? <i>Do not pass on contact details to LALC</i>	11.02.2019
Ngambaa Cultural Connections	Karina Slater	ngambaaculturalconnections@hotmail.com	Interested in taking part in field work/ archaeology. Letter in project file. Has insurances etc if needed.	01.02.2019
Nundagurri	Thomas Tighe	nundagurri@gmail.com	Murrin Stakeholder group? <i>Do not pass on contact details to LALC</i>	11.02.2019
Thauaira	Shane Davis	thauairachts@gmail.com	Murrin Stakeholder group? <i>Do not pass on contact details to LALC</i>	12.02.2019
Tocomwall	Scott Franks	scott@tocomwall.com.au	Interested in project Murrin Stakeholder group?	03.02.2019
Walbunga	Hika Tekowhai	walbunga@gmail.com	<i>Do not pass on contact details to LALC</i> Murrin Stakeholder group?	11.02.2019
Walgau	Ronald Stewart	walgaluchts@gmail.com	Murrin Stakeholder group? <i>Do not pass on contact details to LALC</i>	12.02.2019
Wingikara CHTS	Izahya Clay	wingikarachts@gmail.com	Murrin Stakeholder group? <i>Do not pass on contact details to LALC</i>	12.02.2019
Yerramurra	Nathan Walker-Davis	yerramurra@gmail.com	Murrin Stakeholder group? <i>Do not pass on contact details to LALC</i>	12.02.2019

Additional registrations, not in original mail list

Bidawal CHTS	Not in original list of potential RAPs Murrin Stakeholder group. <i>Do not pass on contact details to LALC</i>	11.02.2019
Bullawaya	Not in original list of potential RAPs Murrin Stakeholder group. <i>Do not pass on contact details to LALC</i>	11.02.2019
Bulling Gang	Not in original list of potential RAPs Murrin Stakeholder group. <i>Do not pass on contact details to LALC</i>	12.02.2019
Curwur Murre	Not in original list of potential RAPs Murrin Stakeholder group. <i>Do not pass on contact details to LALC</i>	11.02.2019
Djiringanj CHTS	Not in original list of potential RAPs Murrin Stakeholder group. <i>Do not pass on contact details to LALC</i>	11.02.2019
Elouera CHTS	Not in original list of potential RAPs Murrin Stakeholder group. <i>Do not pass on contact details to LALC</i>	11.02.2019
Eora CHTS	Not in original list of potential RAPs Murrin Stakeholder group. <i>Do not pass on contact details to LALC</i>	11.02.2019
Gadung	Not in original list of potential RAPs Murrin Stakeholder group. <i>Do not pass on contact details to LALC</i>	12.02.2019
Gangangarra	Not in original list of potential RAPs Murrin Stakeholder group. <i>Do not pass on contact details to LALC</i>	11.02.2019
Golangaya	Not in original list of potential RAPs Murrin Stakeholder group. <i>Do not pass on contact details to LALC</i>	12.02.2019
Gulla Gunar	Not in original list of potential RAPs Murrin Stakeholder group. <i>Do not pass on contact details to LALC</i>	12.02.2019
Kuringgai CHTS	Not in original list of potential RAPs Murrin Stakeholder group. <i>Do not pass on contact details to LALC</i>	11.02.2019
Murrin CHTS	Not in original list of potential RAPs Murrin Stakeholder group. <i>Do not pass on contact details to LALC</i>	11.02.2019
Ngarigo CHTS	Not in original list of potential RAPs Murrin Stakeholder group. <i>Do not pass on contact details to LALC</i>	11.02.2019
Ngunawal CHTS	Not in original list of potential RAPs Murrin Stakeholder group. <i>Do not pass on contact details to LALC</i>	11.02.2019
Tharawal CHTS	Not in original list of potential RAPs Murrin Stakeholder group. <i>Do not pass on contact details to LALC</i>	11.02.2019
Walbunja Elders	Not in original list of potential RAPs Murrin Stakeholder group. <i>Do not pass on contact details to LALC</i>	12.02.2019
Wandandian	Not in original list of potential RAPs Murrin Stakeholder group. <i>Do not pass on contact details to LALC</i>	12.02.2019

Organisation that Responded	Contact Name	Email	Stage 2/3 Letter - Sent	Response Y/N?
A1 Indigenous Services	Carolyn Hickey	cazadirect@live.com	emailed 05/04/19	Y - Interest in site inspection if others also interested, but no other request.
Amanda DeZwart AHCS (Amanda Hickey AHCS)	Amanda Hickey	amandahickey@live.com.au	emailed 05/04/19	N
B.H. Heritage Consultants	Ralph Hampton	hamptonralph46@gmail.com	emailed 05/04/19	N
Badu CHTS	Karia Bond	baduchts@gmail.com	emailed 05/04/19	N
Bilinga CHTS	Simalene Carriage	bilingachts@gmail.com	emailed 05/04/19	N
Darug Boorooberongal Elders Aboriginal Corporation	Uncle Gordon Workman	boorooberongal@outlook.com	emailed 05/04/19	N
Dharug CHTS	Wally Caines	dharugchts@gmail.com	emailed 05/04/19	N
Darug Land Observations	Anna O'Hara Jamie Workman & Uncle Gordon Workman	daruglandobservations@gmail.com	emailed 05/04/19	Y - letter (email) support methodology
Didge Ngunawal Clan	Paul Boyd	didgengunawalclan@yahoo.com.au	emailed 05/04/19	N
Ginninderra Aboriginal Corp	Krystle Carroll	ginninderra.corp@gmail.com	emailed 05/04/19	N
Gunyu CHTS	Mundarra Drew	gunyuuchts@gmail.com		N
Munyunga CHTS	Jason Bell	munyangchts@gmail.com	emailed 05/04/19	N
Murrumbul	Shane Saunders	murrumbul@gmail.com	emailed 05/04/19	N
Ngambaa Cultural Connections	Kaarina Slater	ngambaaculturalconnections@hotmail.com	emailed 09/04/19	N
Nundagurri	Thomas Tighe	nundagurri@gmail.com	emailed 05/04/19	N
Thauair	Shane Davis	thauairchts@gmail.com	emailed 05/04/19	N
Tocomwall	Scott Franks	scott@tocomwall.com.au	emailed 05/04/19	Y but no comment on method
Walbunja	Hika Tekowhai	walbunja@gmail.com	emailed 05/04/19	N
Walgalu	Ronald Stewart	walgaluchts@gmail.com	emailed 05/04/19	N
Wingikara	Izahya Clay	wingikarachts@gmail.com	emailed 05/04/19	N
Yerramurra	Nathan Walker-Davis	yerramurra@gmail.com	emailed 05/04/19	N

Additional RAPs

Bidawal CHTS	emailed 05/04/19	N
Bullawaya	emailed 05/04/19	N
Bulling Gang	emailed 05/04/19	N
Curwur Murre	emailed 09/04/19	N
Djiringanj CHTS	emailed 05/04/19	N
Elouera CHTS	emailed 05/04/19	N
Eora CHTS	emailed 05/04/19	N
Gadung	emailed 09/04/19	N
Gangangarra	emailed 05/04/19	N
Golangaya	emailed 09/04/19	N
Gulla Gunar	emailed 09/04/19	N
Kuringgai CHTS	emailed 05/04/19	N
Murrin CHTS	emailed 05/04/19	N
Ngarigo CHTS	emailed 05/04/19	N
Ngunawal CHTS	emailed 05/04/19	N
Tharawal CHTS	emailed 05/04/19	N
Walbunja Elders	emailed 05/04/19	N
Wandandian	emailed 05/04/19	N

Organisation	Contact	Date Sent	Method	Contact details	Notes	Further Actions	Final Follow Up	Response?
A1 Indigenous Services	Carolyn Hickey	29.05.2019	email	n/a	Reply received 10.06.2019. Supports methodology	n/a	n/a	n/a
Amanda DeZwart AHCS	Amanda Hickey	29.05.2019	Email	amandahickey@live.com.au	n/a	Follow up	Y- 26.06.2019	N
(Amanda Hickey AHCS)		29.05.2019	email	hamptonralph46@gmail.com nhampton77@gmail.com	n/a	Follow up	Y- 26.06.2019	N
B.H. Heritage Consultants	Ralph Hampton	29.05.2019	Email	baduchts@gmail.com	n/a	Follow up	Y- 26.06.2019	N
Badu CHTS	Karia Bond	29.05.2019	Email	billingachts@gmail.com	n/a	Follow up	Y- 26.06.2019	N
Bilinga CHTS	Simalene Carriage	29.05.2019	Email		n/a	Follow up	Y- 26.06.2019	N
Darug Boorooberongal		29.05.2019	email		n/a	Follow up	Y- 26.06.2019	N
Elders Aboriginal Corporation	Uncle Gordon Workman			boorooberongal@outlook.com				
Dharug CHTS	Wally Caines	29.05.2019	Email	dharugchts@gmail.com	n/a	Follow up	Y- 26.06.2019	N
	Anna O'Hara	29.05.2019	Email		n/a	Follow up	Y- 26.06.2019	Y
	Jamie Workman & Uncle Gordon							
Darug Land Observations	Workman			daruglandobservations@gmail.com				
		29.05.2019	Email		Reply received - 11.06.2019. Support methodology	n/a	n/a	n/a
Didge Ngunawal Clan	Paul Boyd and Lilly Carroll			didgengunawalclan@yahoo.com.au				
		29.05.2019	email		Reply received 31.05.2019 - advised fee and timeframe	HM followed up again 26.06.2019	Y- 26.06.2019	Y
Ginninderra Aboriginal Corp	Krystle Carroll			ginninderra.corp@gmail.com				
Gunyu CHTS	Mundarra Drew	29.05.2019	Email	gunyuchts@gmail.com	n/a	Follow up	Y- 26.06.2019	N
Munyunga CHTS	Jason Bell	29.05.2019	Email	munyungachts@gmail.com	n/a	Follow up	Y- 26.06.2019	N
Murrumbul	Shane Saunders	29.05.2019	Email	murrumbul@gmail.com	n/a	Follow up	Y- 26.06.2019	N
Ngambaa Cultural Connections		29.05.2019	email	Ngambaaculturalconnections@hotmail.com	n/a	Follow up	Y- 26.06.2019	N
	Kaarina Slater							
Nundagurri	Thomas Tighe	29.05.2019	Email	nundagurri@gmail.com	n/a	Follow up	Y- 26.06.2019	N
Thauaira	Shane Davis	29.05.2019	Email	thauairachts@gmail.com	n/a	Follow up	Y- 26.06.2019	N
Tocomwall	Scott Franks	20.05.2019	email	scott@tocomwall.com.au	n/a	Follow up	Y- 26.06.2019	N
Walbunja	Hika Tekowhai	29.05.2019	Email	walbunja@gmail.com	n/a	Follow up	Y- 26.06.2019	N
Walgala	Ronald Stewart	29.05.2019	Email	walgaluchts@gmail.com	n/a	Follow up	Y- 26.06.2019	N
Wingikara	Izahya Clay	29.05.2019	Email	wingikarachts@gmail.com	n/a	Follow up	Y- 26.06.2019	N
Yerramurra	Nathan Walker-Davis	29.05.2019	Email	yerramurra@gmail.com	n/a	Follow up	Y- 26.06.2019	N

APPENDIX B GOVERNMENT ORGANISATIONS EMAIL

Office of Environment and Heritage



Mon 14/01/2019 5:01 PM

Holly Maclean

Aboriginal consultation - Mascot - list of Aboriginal parties

To: gs.ach@environment.nsw.gov.au



Site Location.JPG
161 KB

Good afternoon,

I'm part of a team working on a project for Qantas Airways Ltd at the Sydney Kingsford Smith Airport, Mascot, which requires construction of a new training facility. I understand the site falls within the boundary of the Bayside Council LGA and subject to the provisions of the Botany Bay LEP 2013 (former Botany Bay LGA).

Designation of the project as State Significant Development (SSD) has been sought, but not yet determined. In anticipation of the classification of the project as SSD and the need to prepare an Aboriginal Cultural Heritage Assessment Report with full consultation, we are seeking the contact details of Aboriginal parties who may be interested in registering for consultation for this project.

Please don't hesitate to contact me if you need further information.

Kind Regards,
Holly

HOLLY MACLEAN
SENIOR CONSULTANT (HERITAGE)

T +61 7 3007 3800
D +61 7 3007 3851
M +61 414 898 130
E hmaclean@urbis.com.au

**SHAPING
CITIES AND
COMMUNITIES**



LEVEL 7, 122 ALBERT STREET
BRISBANE, QLD 4000, AUSTRALIA

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



Tue 15/01/2019 9:55 AM

Barry Gunther <Barry.Gunther@environment.nsw.gov.au>

Aboriginal Stakeholder List- Qantas- Mascot

To: Holly Maclean



20190115094650076.pdf
7 MB

Dear Holly,

Please find attached the OEH Aboriginal Consultation Stakeholder List requested by you for the Qantas new training centre proposal at Kingsford Smith Airport, Mascot NSW.

If you wish to discuss this letter please contact me on the number below.

Regards

Barry Gunther
Aboriginal Heritage Planning Officer
www.environment.nsw.gov.au




**Office of
Environment
& Heritage**

Greater Sydney Branch
Communities and Greater
Sydney Division

10 Valentine Avenue, Parramatta 2150
PO Box 644, Parramatta 2124
T 02 88376394

National Native Title Tribunal

 Thu 17/01/2019 11:10 AM
Holly Maclean
Aboriginal consultation NSW - seeking list of Aboriginal Parties
To: enquiries@nntt.gov.au

 Site Location.JPG
161 KB

Good morning,

I'm part of a team working on a project for Qantas Airways Ltd at the Sydney Kingsford Smith Airport, Mascot, which requires construction of a new training facility. I understand the site falls within the boundary of the Bayside Council LGA and subject to the provisions of the Botany Bay LEP 2013 (former Botany Bay LGA).

Designation of the project as State Significant Development (SSD) has been sought, but not yet determined. In anticipation of the classification of the project as SSD and the need to prepare an Aboriginal Cultural Heritage Assessment Report with full consultation, we are seeking the contact details of Aboriginal parties who may be interested in registering for consultation for this project.

Please don't hesitate to contact me if you need further information.

Kind Regards,
Holly

HOLLY MACLEAN
SENIOR CONSULTANT



T +61 7 3007 3800
D +61 7 3007 3851
M +61 414 898 130
E hmaclean@urbis.com.au


**SHAPING
CITIES AND
COMMUNITIES**




LEVEL 7, 123 ALBERT STREET
BRISBANE, QLD 4000, AUSTRALIA

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

 Thu 17/01/2019 12:46 PM
Geospatial Search Requests <GeospatialSearch@NNTT.gov.au>
RE: Aboriginal consultation NSW - seeking list of Aboriginal Parties
To:  Holly Maclean

 Follow up. Completed on Thursday, 17 January 2019.

 Search Form_Request for Search of Tribunal Registers 2018.docx
68 KB

Action Items

+ Get more add

UNCLASSIFIED

Native title search – NSW
Your ref: N/A - Our ref: N/A

Dear Holly MacLean,

Thank you for your search request received on 17 January 2019. To enable us to complete the search appropriately and adequately, please fill out the attached search form and return to us via GeospatialSearch@NNTT.gov.au

Cultural Heritage Searches in NSW

The National Native Title Tribunal (the Tribunal) has undertaken steps to remove itself from the formal list of sources for information about indigenous groups in development areas. The existence or otherwise of native title is quite separate to any matters relating to Aboriginal cultural heritage. Information on native title claims, native title determinations and Indigenous Land Use Agreements is available on the Tribunal's website.

Interested parties are invited to use Native Title Vision (NTV) the Tribunal's online mapping system to discover native title matters in their area of interest. Access to NTV is available at

<http://www.nntt.gov.au/assistance/Geospatial/Pages/NTV.aspx>

Training and self-help documents are available on the NTV web page under "Training and help documents". For additional assistance or general advice on NTV please contact GeospatialSearch@NNTT.gov.au

Additional information can be extracted from the Registers available at <http://www.nntt.gov.au/searchRegApps/Pages/default.aspx>

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

Bayside Council



Thu 7/02/2019 12:21 PM

Holly Maclean

Aboriginal Consultation - Seeking List of Aboriginal Parties - Mascot

To: "council@bayside.nsw.gov.au"



Site Location.JPG
165 KB

Good morning,

I'm part of a team working on a project for Qantas Airways Ltd at the Sydney Kingsford Smith Airport, Mascot, which requires construction of a new training facility. I understand the site falls within the boundary of the Bayside Council LGA and subject to the provisions of the Botany Bay LEP 2013 (former Botany Bay LGA).

Designation of the project as State Significant Development (SSD) has been sought, but not yet determined. In anticipation of the classification of the project as SSD and the need to prepare an Aboriginal Cultural Heritage Assessment Report with full consultation, we are seeking the contact details of Aboriginal parties who may be interested in registering for consultation for this project.

We have identified that the site is within the Metropolitan LALC boundary.

Please don't hesitate to contact me if you need further information.

Kind Regards,
Holly

HOLLY MACLEAN
SENIOR CONSULTANT

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D +61 7 3007 3851
M +61 414 898 130
E hmaclean@urbis.com.au

**SHAPING
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BRISBANE, QLD 4000, AUSTRALIA

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Learn more about our [Reconciliation Action Plan](#).



Tue 19/03/2019 8:38 AM

Louise Thom <Louise.Thom@bayside.nsw.gov.au>

RE: Aboriginal Consultation - Seeking List of Aboriginal Parties - Mascot

To: Holly Maclean

Follow up. Completed on Thursday, 4 April 2019.
You replied to this message on 4/04/2019 11:04 AM.

Dear Holly

Currently Bayside Council does not have an official register of Aboriginal community organisations and individuals with an interest in the area. Bayside Council falls within the area of Metropolitan Local Aboriginal Land Council. It is also an area of potential interest to La Perouse LALC.

We are currently undertaking an Aboriginal Heritage Study which will give us a better understanding of how the Aboriginal community would like to be consulted in the future. This study is not due to be finalised until 2020.

Regards Louise



Louise Thom Heritage Advisor
444-446 Princes Highway, Rockdale NSW 2216
T (02) 9562 1596
E louise.thom@bayside.nsw.gov.au W www.bayside.nsw.gov.au

Available on **Mondays** (excluding the 2nd Monday of the month) and **Tuesdays**.

Office of the Registrar Aboriginal Land Rights Act



Thu 17/01/2019 11:06 AM

Holly Maclean

Aboriginal consultation - seeking list of Aboriginal Parties

To adminoffice@oralra.nsw.gov.au

Good morning,

I'm part of a team working on a project for Qantas Airways Ltd at the Sydney Kingsford Smith Airport, Mascot, which requires construction of a new training facility. I understand the site falls within the boundary of the Bayside Council LGA and subject to the provisions of the Botany Bay LEP 2013 (former Botany Bay LGA).

Designation of the project as State Significant Development (SSD) has been sought, but not yet determined. In anticipation of the classification of the project as SSD and the need to prepare an Aboriginal Cultural Heritage Assessment Report with full consultation, we are seeking the contact details of Aboriginal parties who may be interested in registering for consultation for this project.

Please don't hesitate to contact me if you need further information.

Kind Regards,
Holly

HOLLY MACLEAN
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E hmaclean@urbis.com.au

**SHAPING
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BRISBANE, QLD 4000, AUSTRALIA

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

6 February 2019

By email: hmaclean@urbis.com.au

Holly Maclean
Senior Consultant
Urbis
Level 7
123 Albert Street
BRISBANE QLD 4000

Dear Holly,

Request - Search for Registered Aboriginal Owners

We refer to your emails dated 17 and 25 January 2019 regarding an Aboriginal Cultural Heritage Assessment for the proposed development at Lots 2 and 4 DP 234489, 297 King Street, Mascot, 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 not currently any Registered Aboriginal Owners in the project area.

We suggest you contact Metropolitan Local Aboriginal Land Council on 02 8394 9666 as they may be able to assist you in identifying Aboriginal stakeholders who wish to participate.

Yours sincerely



Elizabeth Loane
Project Officer, Aboriginal Owners
Office of the Registrar, ALRA

APPENDIX C STAGE 1 CONSULTATION



LEVEL 7
123 ALBERT STREET
BRISBANE QLD 4000

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

31 January 2019

Dr First Name
Position
Company
Address

Dear Insert Name,

QANTAS TRAINING FACILITY - ABORIGINAL ARCHAEOLOGICAL CONSULTATION

Qantas Airways Limited (Qantas) currently operates a flight training facility at the Sydney Kingsford Smith Airport. The proposed Sydney Gateway Project will require the widening of Qantas Drive, and consequently the demolition of the flight training facility. Qantas is proposing to relocate its existing training facility to the opposite side of Qantas Drive, in an area presently used as an open-air staff car park. This will include construction of a new facility to house full motion flight simulators for pilot training, and for conducting emergency training for pilots and cabin crew, and the construction of a multi-deck car park.

Due to the complexity, urgency, and critical importance of Qantas' proposed construction, designation of the project as State Significant Development (SSD) is being sought. It is noted that as of [date of sending letter] this designation has not yet been officially declared, but in anticipation of being classified as SSD, it is expected that the Secretary's Environment Assessment Requirements (SEARs) will stipulate that an Aboriginal Cultural Heritage Assessment Report (ACHAR) must be prepared, including consultation in accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents* (2010).

The Office of Environment and Heritage (OEH) has provided your contact details as someone who may be interested in registering as a stakeholder for the project.

Appendix A of this letter includes a preliminary information pack for your review, with a brief overview of the existing site and the proposed works.

Following your review of the attached information, if you are interested in registering as a stakeholder for the project, please respond to Holly Maclean, Senior Heritage Consultant, via one of the below options:

Phone:	07 3007 3851
Email:	hmaclean@urbis.com.au
Post:	Attn: Holly Maclean c/o Urbis, Level 7, 123 Albert Street Brisbane, Qld, 4000



Registration of interest by 18 February 2019 would be much appreciated.

If you have any further questions about this project, please don't hesitate to contact me.

Yours sincerely,

A handwritten signature in blue ink, appearing to read "Holly Maclean". The signature is fluid and cursive, with the first name "Holly" being more prominent.

Holly Maclean
Senior Heritage Consultant

Enc. Appendix A – Project Information



APPENDIX A PRELIMINARY INFORMATION PACKAGE

QANTAS TRAINING FACILITY RELOCATION

SITE LOCATION

Qantas' current training facility is on the southern side of Qantas Drive, Mascot (outlined in yellow in Figure 1 below). The proposed widening of Qantas Drive will require demolition of a portion of the facility, and consequently the facility must relocate to ensure continuity to Qantas' operations. It is proposed to relocate the facility to the opposite side of Qantas Drive, to the east of the current location (outlined in blue in Figure 1 and Figure 2 below).



Figure 1 – Qantas' existing training facility location (yellow) and proposed future location of training facility (blue)

Source: Urbis 2018 and SiX Maps



Figure 2 – Proposed future location of training facility

Source: Six Maps and Urbis 2018

FUTURE SITE LOCATION

The proposed future location of the training facility is currently used as a carpark. It has an asphalt surface, several trees, kerbing, and a two-storey brick building at the south-west of the site. It is surrounded by intensive development for airport purposes, including roadways, ramps, rail line, single to multiple storey buildings, and multiple level car parks.

A basic search of the AHIMS database shows one Aboriginal heritage site is registered within a 1km radius of the car park (future training facility location).

Given the nature of the site, at this stage it is unlikely that a site inspection will be undertaken, unless otherwise requested.



CONSULTATION INVITATION

If you are interested in registering as a stakeholder and sharing cultural knowledge for the proposed relocation of the Qantas training facility at Mascot, please contact Holly Maclean, Senior Heritage Consultant via phone, email or post as per the contact details in the cover letter.

Note that in accordance with the *Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010*, your details will be forwarded to OEH and the Metropolitan Local Aboriginal Land Council as respondents. Please advise if you do not wish your contact details to be released.

It would be appreciated if you could respond by 18 February 2019.

Hi Holly

Thank you so much for your email

AHCS would like to register a interest in upcoming Sydney Kingsford Smith airport relocation

AHCS holds cultural knowledge towards determining indigenous artefacts and cultural knowledge towards the land

If there is anything else you need from me please feel free to contact me on

Or email

Have a great day look forward to hearing from you soon

Amanda DeZwart AHCS

Get [Outlook for Android](#)

Hi Amanda,

Thanks for registering so quickly! I'll add you to the respondents list, and send out the next lot of information in a couple of weeks, as the project progresses.

Thanks again, looking forward to working with you

Kind Regards,
Holly

HOLLY MACLEAN

SENIOR CONSULTANT

T +61 7 3007 3800

D +61 7 3007 3851

M +61 414 898 130

E hmaclean@urbis.com.au

Hi holly

DNC would like to register an interest into

Re: Qantas training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport.

Kind regards DNC

Paul Boyd

Hi Paul,

Thanks for your quick response! I'll add you to the respondents list and be in touch again in the next couple weeks as the project progresses.

Looking forward to working with you again,

Kind Regards,
Holly

HOLLY MACLEAN

SENIOR CONSULTANT

T +61 7 3007 3800

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M +61 414 898 130

E hmaclean@urbis.com.au

Hi Holly,

Amiee has asked me to forward & attach my Expression of Interest for Qantas Training Facility, on behalf of Ngambaa Cultural Connections.

would like me to also forward my public Liability & workers Insurance ?

Regards

Kaarina Slater

Hi Kaarina,

Thanks for your quick registration! I'll add you to the registrations list and keep you posted over the next couple of weeks as the project progresses.

I think for this stage your registration will be sufficient, but I'll let you know asap if we need your additional information.

Looking forward to working with you,

Kind Regards,
Holly

HOLLY MACLEAN
SENIOR CONSULTANT

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M +61 414 898 130
E hmaclean@urbis.com.au

Dear Aimee and Holly,

Could you please Register Tocomwall's interest in this project.

Regards
Scott Franks

Consultant
Tocomwall Pty Ltd
scott@tocomwall.com.au

Hi Scott,

Thanks for your registration, I'll be back in touch with an info pack in the next couple of weeks.

Looking forward to working with you again.

Kind Regards,
Holly

HOLLY MACLEAN
SENIOR CONSULTANT

T +61 7 3007 3800
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M +61 414 898 130
E hmaclean@urbis.com.au

Hi

A1 would like to register for consultation and an field work for this project.

I am a traditional owner and hold cultural knowledge and connection to this area

A1 would like to be involved in the field work , I have 15 years experience in cultural heritage work, my staff and I will bring experience and professionalism to each job.

I have attached a contact of reference to attest to our quality of work.

Reference;



Thank you

Carolyn Hickey

Hi Carolyn,

Thanks for your registration. I'll be preparing a preliminary info pack in the next week or two, and will send to you once completed.

Any other questions in the meantime, don't hesitate to contact me.

Looking forward to working with you,

Kind Regards,
Holly

HOLLY MACLEAN
SENIOR CONSULTANT

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M +61 414 898 130
F hmaclean@urbis.com.au

ELOUERA registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Regards
James Sutton
Chairperson
Elouera
Murrin Stakeholder

Dear James,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you.

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON
HERITAGE ASSISTANT

T +61 7 3007 3800
D
E ahenderson@urbis.com.au

Gunyuu registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Regards
MUNDARRA DREW
Chairperson of Gunyuu
Murrin Stakeholders

Dear Mundarra,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you.

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON
HERITAGE ASSISTANT

T +61 7 3007 3800
D
E ahenderson@urbis.com.au

EORA registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards
Kahu Brennan
Chairperson
and Murrin Cultural
Heritage Knowledge
Holder of EORA.
Murrin Stakeholder

Dear Kahu,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you.

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON
HERITAGE ASSISTANT

T +61 7 3007 3800
D
E ahenderson@urbis.com.au

WALBUNJA registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards

**Hika Tekowhai
Chief Executive Officer
and Murrin Cultural
Heritage Knowledge
Holder of WALBUNJA.
Murrin Stakeholder**

Dear Hika,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you.

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON
HERITAGE ASSISTANT

T +61 7 3007 3800

D

E ahenderson@urbis.com.au

DJIRINGANJ registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards

**John Walker
Chairperson
Djiringanj
Murrin Stakeholder**

Dear John,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you.

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON
HERITAGE ASSISTANT

T +61 7 3007 3800

D

E ahenderson@urbis.com.au

DHARUG registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards

Wally Caines

Chairperson

Dharug

Murrin Stakeholder

Dear Wally,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you.

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON

HERITAGE ASSISTANT

T +61 7 3007 3800

D

E ahenderson@urbis.com.au

CURWUR MURRE registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards

Donald Parsons

Chairperson

Curwur Murre

Murrin Stakeholder

Dear Donald,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you.

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON

HERITAGE ASSISTANT

T +61 7 3007 3800

D

E ahenderson@urbis.com.au

BULLAWAYA registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--
--

Yarma Walaawarnie

**Fay Campbell
Chairperson and
Murrin Cultural
Heritage Knowledge
Holder of
BULLAWAYA.
Murrin Stakeholder**

Dear Fay,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON
HERITAGE ASSISTANT

T +61 7 3007 3800
D
E ahenderson@urbis.com.au

BIDAWAL registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

**Regards
Maria Stewart
Chairperson
Bidawal
Murrin Stakeholder**

Dear Maria,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you.

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON
HERITAGE ASSISTANT

T +61 7 3007 3800
D
E ahenderson@urbis.com.au

BADU registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

**Karia Bond
Chairperson and
Murrin Cultural
Heritage Knowledge
Holder of
BADU.
Murrin Stakeholder**

Dear Karia,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you,

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON
HERITAGE ASSISTANT

T +61 7 3007 3800
D
E ahenderson@urbis.com.au

THARAWAL registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

**Regards
John Stewart
Chairperson
Tharawal
Murrin Stakeholder**

Dear John,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you.

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON
HERITAGE ASSISTANT

T +61 7 3007 3800
D
E ahenderson@urbis.com.au

BILINGA registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

**Regards
Simalene Carriage
Chairperson
Bilinga
Murrin Stakeholder**

Dear Simalene,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON
HERITAGE ASSISTANT

T +61 7 3007 3800
D
E ahenderson@urbis.com.au

GANGANGARRA registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

**Kim Carriage
Chairperson
and Murrin Cultural
Heritage Knowledge
Holder of GANGANGARRA.
Murrin Stakeholder**

Dear Kim,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you.

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON
HERITAGE ASSISTANT

T +61 7 3007 3800
D
E ahenderson@urbis.com.au

KURINGGAI registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards
Toni Brierley
Chairperson
Kuringgai
Murrin Stakeholder

Dear Toni,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you.

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON
HERITAGE ASSISTANT

T +61 7 3007 3800
D
E ahenderson@urbis.com.au

MUNYUNGA registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards
Jason Bell
Chairperson
Munyunga
Murrin Stakeholder

Dear Jason,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you.

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON
HERITAGE ASSISTANT

T +61 7 3007 3800
D
E ahenderson@urbis.com.au

MURRUMBUL registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards
Shane Saunders
Chairperson
Murrumbul
Murrin Stakeholder

Dear Shane,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you.

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON
HERITAGE ASSISTANT

T +61 7 3007 3800
D
E ahenderson@urbis.com.au

MURRIN registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards
Tarlarra Te Kowhai
Chairperson
MURRIN
Murrin Stakeholder

Dear Tarlarra,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you.

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON
HERITAGE ASSISTANT

T +61 7 3007 3800
D
E ahenderson@urbis.com.au

NGARIGO registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards
David Pittman
Chairperson
Ngarigo
Murrin Stakeholder

Dear David,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you.

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON
HERITAGE ASSISTANT

T +61 7 3007 3800
D
E ahenderson@urbis.com.au

NGUNAWAL registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards
Edward Stewart
Chairperson
Ngunawal
Dear Edward,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you.

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON
HERITAGE ASSISTANT

T +61 7 3007 3800
D
E ahenderson@urbis.com.au

NUNDAGURRI registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards
Thomas Tighe
Chairperson
Nundagurri
Murrin Stakeholder

Dear Thomas,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you.

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON
HERITAGE ASSISTANT

T +61 7 3007 3800
D
E ahenderson@urbis.com.au

Walbunja Elders registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Yours Truly
Dean Scott
Chairperson of
Walbunja Elders
Murrin Stakeholder

Dear Dean,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you.

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON
HERITAGE ASSISTANT

T +61 7 3007 3800
D
E ahenderson@urbis.com.au

Gulla Gunar registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards

Clayton Moore

Chairperson

Gulla Gunar

Murrin Stakeholder

Dear Clayton,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you.

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON

HERITAGE ASSISTANT

T +61 7 3007 3800

D

E ahenderson@urbis.com.au

Golangaya registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards

Adreian Connelly

Chairperson

Golangaya

Murrin Stakeholder

Dear Adreian,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you.

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON

HERITAGE ASSISTANT

T +61 7 3007 3800

D

E ahenderson@urbis.com.au

Gadung registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards

Kathy Burns

Chairperson

Gadung

Murrin Stakeholder

Dear Kathy,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you.

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON

HERITAGE ASSISTANT

T +61 7 3007 3800

D

E ahenderson@urbis.com.au

Bulling Gang registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards

Whane Carberry

Chairperson

Bulling Gang

Dear Whane,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you.

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON

HERITAGE ASSISTANT

T +61 7 3007 3800

D

E ahenderson@urbis.com.au

Yerramurra registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards

Nathan Walker-Davis

Chairperson

Yerramurra

Murrin Stakeholder

Dear Nathan,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you.

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON

HERITAGE ASSISTANT

T +61 7 3007 3800

D

E ahenderson@urbis.com.au

Wingikara registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards

Izahya Clay

Chairperson

Wingikara

Murrin Stakeholder

Dear Izahya,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you.

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON

HERITAGE ASSISTANT

T +61 7 3007 3800

D

E ahenderson@urbis.com.au

Wandandian registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards

William Bond

Chairperson

Wandandian

Murrin Stakeholder

Dear William,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you.

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON

HERITAGE ASSISTANT

T +61 7 3007 3800

D

E ahenderson@urbis.com.au

Walgalu registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards

Ronald Stewart

Chairperson

Walgalu

Murrin Stakeholder

Dear Ronald,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you.

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON

HERITAGE ASSISTANT

T +61 7 3007 3800

D

E ahenderson@urbis.com.au

Thauaira registers an interest in the proposed relocation of its existing training centre at the Sydney Kingsford Smith Airport, to an alternative location within the Airport in accordance with the NSW Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010.

We do not authorise the release of any of our Stakeholders information to the Local Aboriginal Land Councils whom are constituted within the project area respectfully.

--

Yarma Walaawarnie

Regards

Shane Davis

Chairperson

Thauaira

Murrin Stakeholder

Dear Shane,

Thank you for your registration of interest for the Qantas flight training centre relocation project. We'll be preparing an information package about the project in the next week or two, and will send to you once completed.

If you have any other questions in the meantime, please don't hesitate to contact me on hmaclean@urbis.com.au or 07 3007 3851.

Looking forward to working with you.

Kind Regards,

On behalf of Holly Maclean,

AIMEE HENDERSON

HERITAGE ASSISTANT

T +61 7 3007 3800

D

E ahenderson@urbis.com.au

Hi Holly,

Please find attached Expressions of Interest for the proposed relocation of the Qantas Training Facility at Sydney Kingsford Smith Airport, located at Qantas Drive, in Mascot.

Look forward to working with you on this project.

Kind Regards,

Anna

Hi Anna,

Good to hear from you again, and yes I'll add DLO in to the registrations process. Apologies for the delay in responding, I was off all last week with tonsillitis, but back into things full swing this week – but it's taking me a while to get through the email pile.

Take care,

Holly

HOLLY MACLEAN

SENIOR CONSULTANT

T +61 7 3007 3800

D +61 7 3007 3851

M +61 414 898 130

E hmaclean@urbis.com.au

Hi Holly,

I have attached our expression of interest for the above mentioned project. Sorry to email you so late on a Friday, hopefully you're already out of the office 😊.

This week seems to have gotten away from me again, hope you have a good weekend 😊.

Kind regards,

Krystle Carroll
Ginninderra Aboriginal Corporation
M: 0451016224
E: Ginninderra.corp@gmail.com

🇺🇸 We acknowledge the Traditional Custodians of Country in which we live and work, and pay our respects to them, their culture and their Elders past, present and future

Hi Krystle,


Thanks for your registration – Friday feels like so long ago I can't remember if I'd left by then or not!

I'll send out another information letter in the next couple of weeks.

Looking forward to working with you again,
Kind Regards,
Holly

HOLLY MACLEAN
SENIOR CONSULTANT

T +61 7 3007 3800
D +61 7 3007 3851
M +61 414 898 130
E hmaclean@urbis.com.au

 Qantas Training 1-2-19.pdf
367 KB

Darug Boorooberongal Elders Aboriginal Corporation

ICN: 8890 ABN: 76170262247
PO Box 14
Doonside NSW 2767

Hello [REDACTED]

Thanks very much for your registration for this project. I'll get the Stage 1 information pack to you in the next couple of weeks.

Looking forward to working with you,

Kind Regards,
Holly

HOLLY MACLEAN
SENIOR CONSULTANT

T +61 7 3007 3800
D +61 7 3007 3851
M +61 414 898 130
E hmaclean@urbis.com.au

GINNINDERRA ABORIGINAL CORPORATION
PRESERVATION FOR ABORIGINAL HERITAGE
LAND MANAGEMENT AND CONSERVATION

PO BOX 3143
GROSE VALE NSW
PH 0451016224
ginninderra.corp@gmail.com

January 8 2019

Holly Mclean
C/o Urbis
Level 7, 123 Albert Street
BRISBANE QLD 4000

EXPRESSION OF INTEREST: Qantas Training Facility, Sydney Kingsford Smith Airport

Dear Holly,

Our Ginninderra Aboriginal Corporation members are interested in consulting and assisting in the Aboriginal Cultural Heritage Assessment Reports for the above-mentioned project at Sydney Kingsford Smith Airport, NSW. Please register us for participation in all aspects of this project going forward.

Should you require any further information please don't hesitate to contact us on the details below.

Yours sincerely,

Krystle Carroll
Ginninderra Aboriginal Corporation
E: ginninderra.corp@gmail.com
M: 0451016224
P: PO Box 3143, Grose Vale NSW



DARUG BOOROOBERONGAL ELDERS ABORIGINAL CORPORATION



ICN: 8890 ABN: 76 170 262 247
E-MAIL: BOOROOBERONGAL@OUTLOOK.COM
ADDRESS: PO BOX 14 DOONSIDE NSW 2767
PHONE: 0415 663 763



1/2/2019

TO: Holly Maclean
Senior Heritage Consultant

RE: Qantas Training Facility – Aboriginal Archaeological Consultation

Notification and Registration of ALL Darug Aboriginal Interests

Please be advice that Darug Boorooberongal Elders Aboriginal Corporation (DBEAC) is seeking to be involved in any and all consultation meetings and field work.

This office specialises in Darug Aboriginal and community consultation. The membership comprises of traditional owners from the area in question who retain strong story, song lines, oral history and continued contact. We have a continued spiritual connection to Darug nation territories. We would also like to state, that we do not except or support any person or organisation that are NOT from the DARUG Nation to have input on the project area.

Please also be advised that this Aboriginal organisation does not do volunteer work or attend unpaid meetings. I hope that you advise your client of this, so that, this group will not be discriminated against and refused paid field work.

We will be delighted to discuss this project with you in the near future.

Please do not hesitate to send all correspondence should be emailed to our email boorooberongal@outlook.com.

Yours faithfully

**Uncle
Gordon Workman
Darug Elder**

Sites Officer



**DARUG LAND
OBSERVATIONS PTY LTD
ABN 27 602 765 453**

EMAIL: DARUGLANDOBSERVATIONS@GMAIL.COM
PO BOX 173 ULLADULLA NSW 2539
MOBILE: 0413 687 279

22nd February 2019

Holly Maclean
C/- Urbis Heritage
Level 7, 123 Albert Street
BRISBANE QLD 4000

Email: hmaclean@urbis.com.au

Notification and Registration of ALL Aboriginal Interests

RE: PROPOSED RELOCATION OF QANTAS TRAINING FACILITY, SYDNEY KINGSFORD
SMITH AIRPORT, QANTAS DRIVE, MASCOT
Aboriginal Cultural Heritage Assessment

Dear Holly,

Please be advised that Darug Land Observations Pty Ltd is seeking to be involved in any and all consultation meetings and fieldwork.

This office specialises in Aboriginal and community consultations, and has a membership that comprises of Traditional owners from the area in question. Those retain strong story, song lines, oral history and continued contact.

We would also like to state that we do not accept or support any person or organisation that are NOT from the DARUG Nation that comments regarding the said area.

Please also be advised that this Aboriginal organisation does not do volunteer work or attend unpaid meetings. I hope that you advise your client of this so that, 'This Group', will not be discriminated against and refused paid fieldwork. DLO's rate is \$440 half day (less than 4 hours) and \$880 per day (flat rate), including GST.

All correspondence should be emailed to: daruglandobservations@gmail.com and any further consultation during this project can be directed to Anna O'Hara on mobile 0413 687 279.

Yours sincerely,

Jamie Workman
Darug Land Observations Pty Ltd

Uncle Gordon Workman
Darug Elder

APPENDIX D NEWSPAPER ADVERTISEMENT

Registration for Aboriginal Community Consultation



Qantas Flight Training Centre Relocation - Mascot

Qantas is proposing relocation of its existing flight training centre at the Qantas Jet Base, Mascot, to an adjacent location at King Street, Mascot. The project has been Gazetted as State Significant Development, and will be assessed under the *Environmental Planning and Assessment Act 1979*. An Aboriginal Heritage Impact Permit under the *National Parks and Wildlife Act 1974* is not anticipated to be required. However, Urbis, on behalf of Qantas, wishes to invite local Aboriginal people with cultural knowledge of the Mascot area and surrounds to register as stakeholders to be consulted with for the preparation of an Aboriginal Cultural Heritage Assessment Report. We seek your input into an understanding of the cultural values of the local area, and the significance of any archaeological objects or places in the project area.

Please note that all parties who register will have their details forwarded to the Office of Environment and Heritage, and the Local Aboriginal Land Council unless otherwise specified.

If you would like to register as a stakeholder, please provide your name and contact details to Holly Maclean, via phone, email or post, by 5 April 2019.

Attn: Holly Maclean
Urbis, Level 7, 123 Albert Street, Brisbane, Qld, 4000
hmaclean@urbis.com.au | 07 3007 3800

Notices

General Notices



PROPOSAL TO UPGRADE MOBILE PHONE BASE STATION LOCATED AT BANKSMADOW

Telstra plans to upgrade an existing telecommunication facility located at
• Collier Off Terminal, Banksmadow Road, Banksmadow, RRNSA No. 2019010

- Telstra is currently upgrading existing mobile network facilities to allow for the introduction of 5G to Telstra's network. As part of this network upgrade, Telstra proposes the installation of 4G LTE 2100 and 5G NR 3500 technology. Proposed works at the above site will involve the installation of new panel antennas (each no more than 2.8m in length) and associated ancillary equipment on the 20-metre steel pole at the above address.
- Telstra regards the proposed installation as a Low Impact Facility under the Telecommunications (Low Impact Facilities) Determination 2018 ("The Determination") based on the above description.
- Further information can be obtained from Dider Ahvaz 08 8145 9390 or at Dider.ahvaz@telstra.com.au and at www.telstra.com.au, RRNSA No. <
- Written submissions should be sent by 26/03/2019 to: Dider Ahvaz, Aunson level 5, 888 Hay Street, Perth WA 6000.

Registration for Aboriginal Community Consultation



Qantas Flight Training Centre Relocation - Mascot

Qantas is proposing relocation of its existing flight training centre at the former West Hume, to an adjacent location at King Street, Mascot. The project has been accepted as State Significant Development, and will be assessed under the Environmental Planning and Assessment Act 1979. As Aboriginal Heritage Project Permit under the National Parks and Wildlife Act 1974 is not anticipated to be required, however, on behalf of Qantas, please to invite local Aboriginal people with cultural knowledge of the Mascot area and surrounds to register as stakeholders to be consulted with for the preparation of an Aboriginal Cultural Heritage Assessment Report. We seek your input into an understanding of the cultural values of the location, and the significance of any archaeological objects or places in the project area.

Please note that all parties who register will have their details forwarded to the Office of Environment and Heritage, and the Local Aboriginal Land Council unless otherwise specified.

If you would like to register as a stakeholder, please provide your name and contact details to Linda Maclean, via phone, email or post, by 5 April 2019.

After: Linda Maclean
URBIS, Level 7, 123 Albert Street, Brisbane, QLD, 4000
lmaclean@urbis.com.au | 07 2027 3800

REGISTRATION OF INTEREST

The University of New South Wales (UNSW) is undertaking Aboriginal Cultural Heritage Assessments for the proposed development of the new areas within the Main Kensington Campus area (Lot 1 DP10177, Lot 3 DP10183, Lot 1 and 2 DP11737, Lot 4 DP10204, Lot 12 DP10204, Lot 2 DP10204 and Lot 1 and 2 in DP10207) and adjacent road reserve at Kensington NSW. These may result in applications for Aboriginal Heritage Impact Permits (AHIPs) under s60 of the National Parks and Wildlife Act 1974. Registrations of interest are sought from Aboriginal people with cultural knowledge relevant to determining the significance of Aboriginal objects at this location. This will assist the proponent in preparing an AHIP application and the role in determining the application. Registrations must be received in writing by 3/4/2019, include a post address and contact details and be sent to project consultants Coast History & Heritage at R30, Box 274, Artarville, NSW. admin@coasthistory.com.au or fax (02) 9531 1405. For enquiries call (02) 9539 7445. Details of Registered Aboriginal Parties will be forwarded to CEH and the LALC unless explicitly requested.

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19-34 FORD TUDOR HOT ROD

Original Owner's Build
5.7L Flat Top 1961 Oldsmobile V8, 4 speed Auto, Independent Suspension, 4 Wheel Discs, Rear Grade from Stationary, Rock & Pin Power Steering, 1610 Reg, NSW Interior, Discs control, A/C, CD Stereo, Tinted Windows, 120kms \$50,000 neg
0417 488 462

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WANTED DATSUN SKYLINE
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240K, C210, R30, whole or parts
Any Condition pay \$ \$
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Motoring

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19-34 FORD TUDOR HOT ROD

Original Owner's Build
5.7L Flat Top 1961 Oldsmobile V8, 4 speed Auto, Independent Suspension, 4 Wheel Discs, Rear Grade from Stationary, Rock & Pin Power Steering, 1610 Reg, NSW Interior, Discs control, A/C, CD Stereo, Tinted Windows, 120kms \$50,000 neg
0417 488 462

Motoring

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Notices

General Notices

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Bruce & Roslyn Nicol
Married on the 21st of March 1969
At Holy Trinity Church of England, Kingsford.



Residing in Malabar they have 2 daughters & 5 grand children.
They will be celebrating their anniversary with a cruise to New Zealand.

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Tributes

PARSONS, Kathleen
Passed away peacefully
March 4, 2019
Aged 96 years.

Deeply loved wife of Alfred (deceased), Mum of Susan, Patricia and Janet, Nanny of Kirk, Matthew, Brendan, Emma, David and Luke. Great Grandmother of Jasmine, Olivia, Ashraf, James, Mara and Thomas.

Kathleen's family and friends are warmly invited to attend a Celebration of her Life to be held in the South Chapel of Warranora Memorial Park, Linden Street, Sutherland on Thursday (March 21, 2019) commencing at 11am.

WHITE LADY FUNERALS
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Our hearts still ache with sadness.
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Forgetting you never.

Gran, Uncle Norm, and Uncle Rob

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APPENDIX E STAGE 2/3 CONSULTATION LETTER



LEVEL 7
123 ALBERT STREET
BRISBANE QLD 4000

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

05 April 2019

Name Name
Company
Address

Dear Name,

QANTAS FLIGHT TRAINING CENTRE RELOCATION - STAGE 2 CONSULTATION

Thank you for your registration of interest in the proposed relocation of the Qantas flight training centre, Mascot. Attached to this letter is an overview of the project with additional detail about the proposal and the site in general.

We welcome any cultural information you may wish to share about the site and/or the surrounding area, or any other information that you wish to contribute. Confidentiality of any such information will be respected as desired.

It is noted that because of the built nature of the site, a full archaeological survey is not proposed, however if you would like to undertake a site visit, please let me know and we will arrange.

Any information you wish to provide will be incorporated into the Aboriginal Cultural Heritage Assessment Report being prepared for the proposed works. A copy of the Report will be sent to you upon completion. Please advise us of any fee schedules/rates associated with your review of the document.

If you would like to share any cultural knowledge, comment on the project, or discuss any other aspect of the proposed redevelopment, please don't hesitate to contact me via phone, post, or email:

Holly Maclean c/o Urbis, Level 7, 123 Albert Street, Brisbane, Qld 4000 (07) 3007 3851 hmaclean@urbis.com.au

A response by **03 May 2019** would be much appreciated.

If you have any questions please don't hesitate to contact me on 07 3007 3851.



Yours sincerely,

A handwritten signature in blue ink, reading "Holly Maclean". The signature is written in a cursive, flowing style.

Holly Maclean
Senior Heritage Consultant

1. QANTAS FLIGHT TRAINING CENTRE RELOCATION – STAGE 2 INFORMATION PACK

1.1. SITE LOCATION AND BRIEF DESCRIPTION

The proposed future location for the (relocated) Qantas flight training centre is 297 King Street, Mascot, across Qantas Drive and immediately west of the existing flight training centre. It is approximately 5.5 hectares in size.

The King Street site presently functions as a car park. It has a small gatehouse at the southern entry off King Street, and a large warehouse building in the south-western corner of the site. Some plantings are throughout, comprising a mix of native and exotic species.

The site is noted to be generally flat, having been filled to level the site for its intended use as a car park.

Figure 1 and Pictures 1-2 show the site.

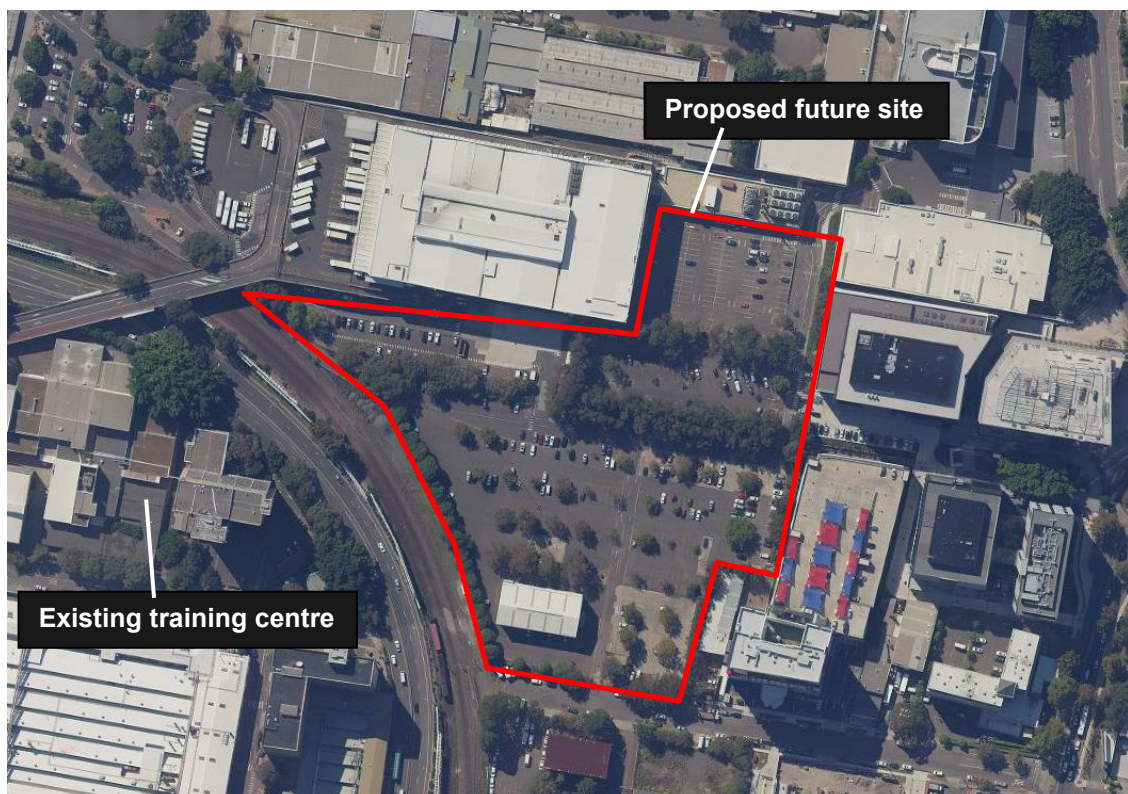


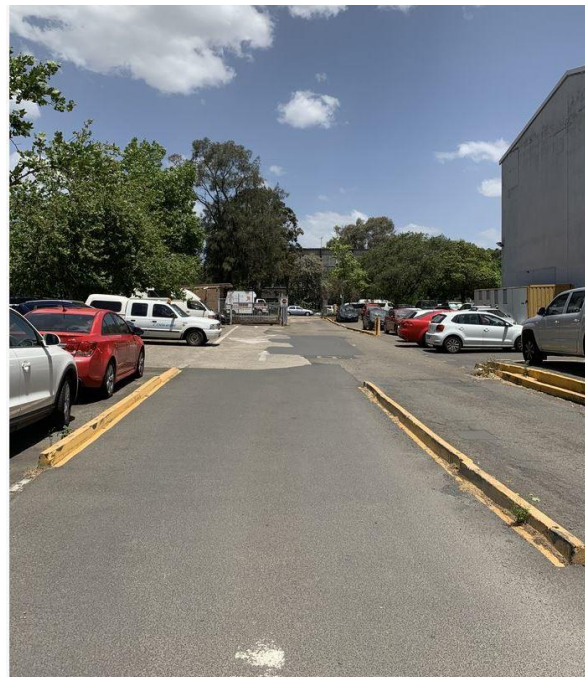
Figure 1 – Proposed future site of the Qantas flight training centre

Source: Six Maps and Urbis overlay 2019



Picture 1 – Existing carpark, future site of training centre

Source: Urbis 2019



Picture 2 – Existing carpark, future site of training centre

Source: Urbis 2019

1.2. PURPOSE OF THE PROJECT

Safety is Qantas' first priority. The flight training centre is a key pillar of this value. The facility enables pilots and flight crews to undertake periodic testing to meet regulatory requirements by simulating both aircraft and emergency procedural environments.

On account of the proposed Sydney Gateway Project, Qantas Drive will be widened by approximately 16m. This will result in partial demolition of Qantas' existing facility at the east of Qantas Drive.

1.3. PROPOSED WORKS

The proposed flight training centre will occupy the southern portion of the proposed site. It will comprise four core elements, including an emergency procedures hall, a flight training centre, teaching space, and an office space. Ancillary uses are proposed to include a loading dock, at-grade car parking, and a bus drop off zone. A multi-level car park is proposed at the northern portion of the site.

Overall, no bulk excavation is anticipated for the purposes of this project, with existing ground surfaces and levels being retained. There may be some localised excavation associated with footings or services installation, that are most likely to vertically extend into fill layers only. There may be a

requirement for piles to be driven into bedrock, and a pool is proposed, and if constructed would require excavation to approximately 4m depth.

Renders of the proposed flight training centre are at Figures 3 to 6.

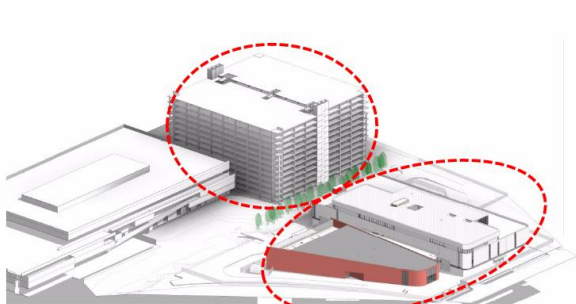


Figure 2 – Render of proposed building and carpark

Source: noxongiffen 2019



Figure 3 – Locations of proposed development

Source: noxongiffen 2019



Figure 4 – Currently proposed western elevation

Source: noxongiffen 2019

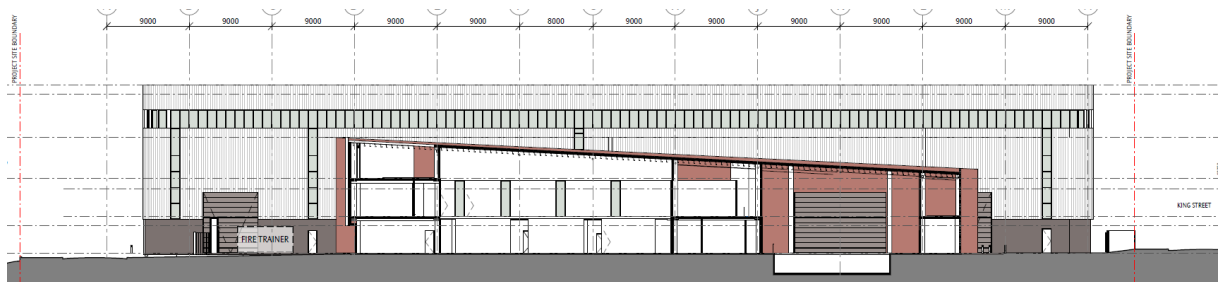


Figure 5 – Section render, also showing pool location

Source: noxongiffen 2019

1.3.1. Geotechnical Investigations

Boreholes have been drilled throughout the site, to inform preliminary site environmental assessments. The results demonstrate that fill has been laid across the site for levelling, and this depth varies from 1.2m to 3.5m. Sub-surface layers were observed to generally comprise:

- Asphalt or concrete hardstand
- Road base comprising highly compacted sandy gravels, dry and poorly sorted;
- Reworked light brown to grey coarse-grained silty sand, poorly sorted;
- Natural layers comprising silty or clayey sand, silty clay, silty peat and light grey to brown peat – which is consistent with the underlying geology and soils of the area. Generally identified at depths between 1.3m and 3m.

Some foreign materials were observed in various locations, including scrap metal, woodchips, and fragments of glass, brick and terracotta. These likely reflect the place's previous land uses.

1.4. SITE BACKGROUND

1.4.1. Brief Environmental Background

The proposed site of the flight training centre lies within the Sydney – Newcastle Barriers and Beaches Mitchell Landscape. Geology and soils are generally comprised of loose estuarine sands, overlying dense silty sand and very stiff to hard clay. The area is underlain by Triassic aged Hawkesbury Sandstone.

The nearest surface water deposit is the Alexandra Canal, which is an adapted artificial waterway formerly known as Sheas Creek, and located approximately 700m west of the proposed training centre site. Botany Bay is approximately 2.5km south of the proposed site, and significant levels of land reclamation occurred in the Bay to construct the existing parallel runways.

1.4.2. Brief History of Land Disturbance

Historical title searches have been undertaken for this project and demonstrate that the site of the proposed flight training centre has been used for a variety of purposes throughout the 20th Century. These include:

- Farming and agricultural purposes, including market gardens and poultry farms (c.1900-1960s)
- A glass manufacturing plant (1960s-1980)
- Industrial uses such as smelting (1940s-1990s)
- Commonwealth government uses (1950s-1970s)
- Qantas uses (1970s-present)

Aerial images of the site are shown below at Figures x to x to illustrate these uses.



Figure 6 – 1955

Source: Arcadis 2018

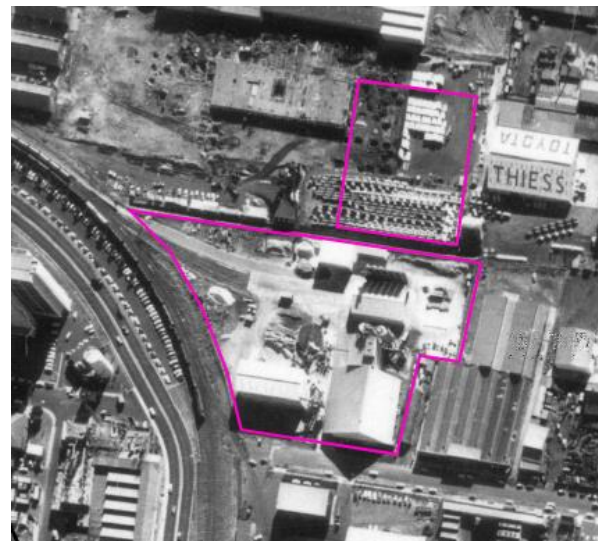


Figure 7 – 1970

Source: Arcadis 2018

1.5. ABORIGINAL CULTURAL HERITAGE ASSESSMENT REPORT

We are preparing an Aboriginal Cultural Heritage Assessment Report on behalf of Qantas for this project, to understand any cultural values associated with this area and manage any potential impacts on archaeological values.



We are seeking your input to aid in an understanding of the cultural values of the subject site and broader Mascot region, and any other information you wish to share about the history and significance of the area. Where information is confidential, or has other restrictions associated with communication, please let us know and confidentiality protocols will be respected.

On account of the nature of the site, and historical land uses and disturbance, no site visit or archaeological survey is currently proposed for this project. However, if you would like to undertake a site inspection to assess archaeological potential and consider future archaeological management requirements, please let us know and one will be arranged.

Following receipt of any information you wish to contribute, the ACHAR will be prepared and provided to you for your review and comment. Please advise us in advance of any fees that may apply for review of the document.

1.6. FUTURE ASSESSMENT

On account of the levels of excavation for this project, the nature of the site, known levels of fill, and historical land use and disturbance, a test excavation or monitoring program is not considered to be necessary. It is recommended that a Chance Finds Procedure (Unexpected Finds Procedure) be prepared for the project, to manage any unexpected archaeological finds.

If you feel alternative management strategies may be required, we welcome your comment and recommendations.

1.7. CONTACT DETAILS

If you would like to share any cultural knowledge, comment on the project and proposed methodology, or discuss any other aspect of the proposed relocation of the flight training centre project, please don't hesitate to contact me via phone, post or email:

Holly Maclean

c/o Urbis Pty Ltd

Level 7, 123 Albert Street

Brisbane, Qld, 4000

(07) 3007 3851

hmaclean@urbis.com.au

A response by [28days] would be much appreciated.

APPENDIX F

STAGE 2/3 WRITTEN RESPONSES



**DARUG LAND
OBSERVATIONS PTY LTD
ABN 27 602 765 453**

EMAIL: DARUGLANDOBSERVATIONS@GMAIL.COM
PO BOX 173 ULLADULLA NSW 2539
MOBILE: 0413 687 279

1st May, 2019

Holly Maclean
C/- Urbis
Level 7, 123 Albert Street
BRISBANE QLD 4000

Email: hmaclean@urbis.com.au

Dear Holly,

RE: QANTAS FLIGHT TRAINING CENTRE RELOCATION – STAGE 2

Aboriginal Cultural Heritage Assessment: Project Information & Methodology

Darug Land Observations Pty Ltd (DLO) has reviewed the project information, and supports the methodology for the proposed relocation of a Qantas flight training centre located at 297 King Street, in Mascot, and the widening of Qantas Drive by approximately 16 metres.

Please be advised that our fees for review and comment of the Aboriginal Cultural Heritage Assessment Report (ACHAR) are a standard rate of \$550 (including GST).

Look forward to receiving and reviewing the ACHAR.

Yours sincerely,

Jamie Workman
Darug Land Observations Pty Ltd

Uncle Gordon Workman
Darug Elder

APPENDIX G STAGE 4 WRITTEN RESPONSES

Dear xxx,

Please find attached a Draft of the ACHAR for the Qantas Flight Training Centre relocation project. We invite you to review and comment on the document, and would particularly value your input on

- the proposed works, impact and management measures;
- the values assessment;
- any cultural values about the site or broader area you'd like to share.

A response by 28 June 2019 would be appreciated. If you have any questions, or would like to discuss anything about the report, please don't hesitate to contact me, either by email or phone.

Kind Regards,
Holly

HOLLY MACLEAN
SENIOR CONSULTANT

D +61 7 3007 3851
T +61 7 3007 3800
M +61 414 898 130
E hmaclean@urbis.com.au

A1

Indigenous Services

Contact: Carolyn



Hi,
A1 Supports the ACHAR for the Qantas Training Facility.
Thank you
Carolyn Hickey

Hi Carolyn,

Thanks for taking the time to help with this project, and we appreciate your response.

Kind Regards,
Holly

HOLLY MACLEAN
SENIOR CONSULTANT

D +61 7 3007 3851
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M +61 414 898 130
E hmaclean@urbis.com.au

Hi Holly,

DNC is happy with the methodology and report for the Qantas Training Centre and hope to work with you guys soon,

Kind regards
Paul Boyd & Lilly Carroll
Directors DNC

Hi Lilly and Paul,

Thanks for taking the time to help with this. Hopefully a project with some fieldwork soon, to put faces to names!

Thanks again,
Holly

HOLLY MACLEAN
SENIOR CONSULTANT

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E hmaclean@urbis.com.au

Hi Holly,

Please find attached letter in reply to the draft Aboriginal Cultural Heritage Assessment for the proposed Qantas Flight Training Centre at Mascot.

Please provide clients invoicing details at your earliest convenience.

Look forward to working with you again soon!

Kind Regards,

Anna

Hi Anna,

Thanks again for DLO's assistance with this project, and appreciate your response. Noting from your letter, I don't think archaeological monitoring will be occurring for this project, so let me know if that may be a concern for you.

I'll get in touch with the project manager and work out details for your invoicing.

Kind Regards,
Holly

HOLLY MACLEAN
SENIOR CONSULTANT

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E hmaclean@urbis.com.au

Thanks Holly

There is no concern by DLO for archaeological monitoring - just incase something came up later, we will like to be involved.

Thanks again,

Anna

Hi Anna,

Thanks for the reply, and we'll definitely keep you up to date if there are any site works or other project-related changes.

Kind Regards,
Holly

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SENIOR CONSULTANT

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E hmaclean@urbis.com.au

Hi Holly,

Please find our comments and invoice re: the draft ACHAR attached. I'm sorry that it is late.

I will be out of the office this week and wont have reception (have a big survey down south). But if you need anything more you can flick me an email and I'll get back to you once I get some service.

Hope you have a lovely week 😊.

Kind regards,

Krystle Carroll Elliott
Ginninderra Aboriginal Corporation
E: Ginninderra.corp@gmail.com

Hi Krystle,

Thanks so much for your reply, and assistance, as always. Apologies for my late reply, you're probably well back from the survey – hope it was interesting!

If there are any changes or anything else comes up with this project, we'll let you know.

Thanks again!
Holly

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MOBILE: 0413 687 279

1st July, 2019

Holly Maclean
C/- Urbis
Level 7, 123 Albert Street
BRISBANE QLD 4000

Email: hmaclean@urbis.com.au

Dear Holly,

RE: QANTAS AIRWAYS LIMITED FLIGHT TRAINING CENTRE

Aboriginal Cultural Heritage Assessment

Darug Land Observations Pty Ltd (DLO) has reviewed the draft Aboriginal Cultural Heritage Assessment, and supports the methodology for the proposed relocation of a Qantas flight training centre and the widening of Qantas Drive by approximately 16 metres of Lots 2 & 4 DP 234489, Lot 1 DP 202747, Lot B DP 164829 and Lot 133 DP 659434, located at 297 King Street, in Mascot.

We would like to be involved in the monitoring of the topsoil removal, site surveys, archaeological monitoring and/or all other forms of works to be carried out on the site.

Thank you and look forward to working with you again, in the near future.

Yours sincerely,

Jamie Workman
Darug Land Observations Pty Ltd

The Late Uncle Gordon Workman
Darug Elder

GINNINDERRA ABORIGINAL CORPORATION
PRESERVATION FOR ABORIGINAL HERITAGE
LAND MANAGEMENT AND CONSERVATION

PO BOX 3143
GROSE VALE NSW 2754
PH 0451016224
ginninderra.corp@gmail.com

28 June 2019

Holly Maclean
C/o Urbis
Level 7, 123 Albert Street
BRISBANE QLD 4000

RE: Qantas Training Centre – Draft ACHAR

Dear Holly,

Our Ginninderra Aboriginal Corporation members appreciate the opportunity to consult on this project. The possibility of locating and preserving evidence of Aboriginal occupation is very important to us.

We have reviewed the draft aboriginal cultural heritage assessment for the subject area, and find the recommendations within to be consistent with our views, with no objections noted.

Although we agree that any undisturbed archaeological finds are unlikely to be found within the subject area, we feel strongly that a procedure for unexpected finds must be implemented. Our view in general is that all artefacts should be returned to country, or placed in a special keeping place so that they can be used for cultural education. We also agree that if more substantial excavation is proposed in future, these excavations be supervised/recorded by a suitably qualified archaeologist.

Yours sincerely,

Krystle Carroll
Ginninderra Aboriginal Corporation
E: ginninderra.corp@gmail.com
T: 0451016224





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