

BIODIVERSITY DEVELOPMENT ASSESSMENT REPORT

88 Waterloo Road, Macquarie Park NSW 2113



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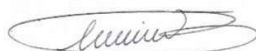
REPORT

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This Biodiversity Development Assessment Report has been certified by the following accredited assessor:

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23 January 2026

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EXECUTIVE SUMMARY

Introduction

Cottonwood Development Pty Ltd have engaged RPS AAP Consulting Pty Ltd (RPS) to prepare a Biodiversity Development Assessment Report (BDAR) to support a Proposal for 88 Waterloo Road, Macquarie Park NSW; formally known as 15-21 Cottonwood Crescent, Macquarie Park. In 2024, RPS prepared a Flora and Fauna Assessment to support a residential Development Application [LDA2024/0158] for the site.

This assessment describes the ecological values of the Subject Land, the desktop and field assessment methods used to investigate and characterise the ecological values and provides a predicted ecological impact analysis for the Proposal. Investigations are focused on threatened biodiversity and related matters listed under the NSW *Biodiversity Conservation Act 2016* (BC Act) and Matters of National Environmental Significance listed under the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act).

This BDAR has been prepared in accordance with Appendix D of the *Biodiversity Assessment Method 2020* (BAM, DPE 2020): Streamlined Assessment Module – Planted Native Vegetation.

The Proposal

This Biodiversity Assessment Report has been prepared to accompany a State Significant Development Application (SSDA) and concurrent Rezoning Proposal – SSD-94006708 for a mixed-use development identified at 15-21 Cottonwood Crescent, Macquarie Park (the site).

The Proposal includes provision for the demolition of existing buildings and construction of a residential development comprising two residential flat buildings above a common basement car park / sleaved podium incorporating residential, car parking, and a retail component within the Waterloo Road frontage and provision of 10% affordable housing.

The legal description of the site is outlined in **Table 1-1** below.

Table 1-1: Legal description of the site

Property Address	Title Description
15 Cottonwood Crescent, Macquarie Park	SP8144
17 Cottonwood Crescent, Macquarie Park	SP7630
19 Cottonwood Crescent, Macquarie Park	SP7892
21 Cottonwood Crescent, Macquarie Park	SP7984

Note: for the purposes of reporting and branding of the Proposal, we will also refer to the site as '88 Waterloo Road, Macquarie Park'.

This report has been prepared to address the Secretary's Environmental Assessment Requirements (SEARs) issued for the project (SSD-94006708).

Key results

Landscape context

The Subject Land occurs in the Pittwater Subregion of the Sydney Basin Bioregion and intersects with one Mitchell Landscape unit: Pennant Hills Ridges. The Subject Land is situated approximately 950 m south-west of the Lane Cover National Park which is a large contiguous patch of vegetation. The Subject Land, however, is situated amongst largely fragmented habitat separated by large blocks of commercial and residential areas, and major arterial roads.

The Subject Land does not have any water waterbodies present. The closest waterway is Shrimpton's Creek, a 2nd order stream approximately 80m south-east of the Subject Land. The riparian corridor associated with this stream runs for approximately 3.5 km and is made up of patchy riparian vegetation.

Access to this riparian corridor can be made via a vegetated pedestrian pathway from Cottonwood Crescent, opposite the Subject Land. There are no cliffs, caves or rocky areas present within the Subject Land.

Species credit species

No threatened flora or fauna species were observed within the Subject Land.

As habitat of low-moderate or greater suitability was identified for four BC Act and one EPBC Act listed threatened fauna species, it is considered necessary to apply the precautionary approach to the following threatened fauna species listed under the BC Act and EPBC Acts:

- Little Lorikeet (*Glossopsitta pusilla*) – Vulnerable (BC Act)
- Grey-headed Flying-fox (*Pteropus poliocephalus*) – Vulnerable (EPBC & BC Acts)
- Yellow-bellied Sheath-tail-bat (*Saccolaimus flaviventris*) – Vulnerable (BC Act)
- Large Bent-winged Bat (*Miniopterus orianae oceanensis*) – Vulnerable (BC Act).

Measures to avoid and minimise

The location of the Subject Land is within a highly urbanised and disturbed location. Historic use of the Subject Land suggests it has been within a disturbed context for at least 70 years and has been urbanised for majority of that. The strategic positioning of Subject Land within a densely urbanised context means any future development is already well serviced by public infrastructure (e.g. transport and commercial centres), negating the need for ancillary development if located more remotely.

Overall, any future development within the Subject Land has the capacity to reduce impacts (i.e., avoid and minimise) on native vegetation and habitat by utilising existing cleared lands and retaining native vegetation wherever possible. Carefully considered landscaping of a future development has the potential to also yield a net improvement of the ecological condition of vegetation and biodiversity values within the Subject Land. Additionally, timing construction to minimise the length of time building are left vacant will reduce the risk of bats colonising the empty structures.

Although areas outside of the Subject Land were not assessed as part of this assessment, land proposed as the Lane Cove NP is considered likely to contain significantly higher condition vegetation communities and continuous patches of vegetated corridors. This area is also considered likely to contain highly suitable foraging and breeding resources for resident fauna, all of which will be protected through the Proposal.

Potential impacts

It is estimated that the Proposal would result in a vegetation disturbance of approximately 0.15 ha, comprising of exotic and native planted vegetation. Impacts on the vegetation present, and associated habitat values for threatened species and ecological communities listed on the BC Act and EPBC Act were evaluated. No specialist breeding habitat (i.e., hollow-bearing trees) will be impacted by the Proposal.

Potential indirect impacts associated with the Proposal include removal of foraging habitat and opportunistic roost sites in vacated buildings for insectivorous microbats. Where impacts to threatened entities were considered possible, an Assessment of Significant (5-part Test) was undertaken per the BC Act, and an Assessment of Significant Impact Criteria was undertaken per the EPBC Act. These assessments concluded that the Proposal is not likely to have a significant impact on threatened species, ecological communities, or their habitats.

As this assessment relates to a Proposal rather than a Development Application, consideration of future potential impacts has been completed for the Proposal Area. The direct impacts described here are thereby likely an overestimation of the final impacts.

Potential direct, prescribed and indirect impacts include:

- Loss of non-native vegetation used as foraging habitat
- Inadvertent impacts on adjacent habitat or vegetation (e.g. sedimentation)
- Reduced viability of adjacent habitat due to noise, dust or light spill
- Transport of weeds and pathogens from the site to adjacent vegetation

-
- Fertiliser drift
 - Indirect impacts on Shrimptons Creek riparian corridor.

Potential prescribed impacts include impacts to human-made structures, non-native vegetation, hydrological processes and vehicle strikes.

Mitigating residual impacts

Mitigation measures provided in this assessment will be implemented as identified in Section 9.4.

Recommended measures include the following:

- Retention of existing native canopy wherever possible
- Exclusion zones and protection of retained vegetation during construction
- Ecological pre-clearing surveys for microbats, specialist fauna habitat and threatened species, followed by clearing supervision
- Landscaping with locally occurring vegetation communities
- Hygiene, erosion and stockpiling measures
- Management of stormwater run-off, and by extension, fertiliser drift by utilising water sensitive urban design
- Building design to minimise effects of shadowing.

TERMS AND DEFINITIONS

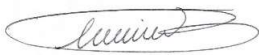
Term	Definition
AOBV	Area of Outstanding Biodiversity Value
asl	above sea level
BAM	Biodiversity Assessment Method
BAM-C	Biodiversity Assessment Method calculator
BC Act	<i>Biodiversity Conservation Act 2016</i>
BCD	Biodiversity and Conservation Division
BAR	Biodiversity Assessment Report
BOS	Biodiversity Offset Scheme
BV Map	Biodiversity Values Map
RDCP	<i>Ryde Development Control Plan 2014</i>
CEMP	Construction Environmental Management Plan
Cth DCCEEW	Commonwealth Department of Climate Change, Energy, the Environment and Water
DA	Development Application
DAWE	Department of Agriculture, Water and the Environment
DCP	Development Control Plan
DoE	Department of the Environment
DPE	NSW Department of Planning and Environment
DPIE	NSW Department of Planning Industry and Environment
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i>
EPBC Act	<i>Environmental Protection and Biodiversity Conservation Act 1999</i>
FM Act	<i>Fisheries Management Act 1994</i>
GIS	Geographic Information System
ha	hectare
IBRA	Interim Biogeographic Regionalisation for Australia
km	kilometre
KFH	Key Fish Habitat
KTP	Key Threatening Process
LEP	Local Environmental Plan
LGA	Local Government Area
Locality	Land within a 5 km radius of the Subject Land
LSPS	Local Strategic Planning Statement
m	metre
MNES	Matter of National Environmental Significance
NPWS	National Parks and Wildlife Service
NSW	New South Wales
NSW DCCEEW	NSW Department of Climate Change, Energy, the Environment and Water (formerly DPE)
PCT	Plant Community Type
Proposal	The proposed development
RCC	Ryde City Council
SEPP	State Environmental Planning Policy
Subject Land	Land directly associated with future proposed development, this being 88 Waterloo Road, Macquarie Park NSW 2113 [Lot 2 SP8144; Lot 15 SP7630; Lot 7 SP7892 and Lot C SP7984]
SRZ	Structural Root Zone
SVTM	NSW State Vegetation Type Map

Term	Definition
TEC	Threatened Ecological Community
Threatened entities	State and Commonwealth listed threatened species or ecological communities
TSPD	Threatened Species Profile Database
TSSC	Threatened Species Scientific Committee
WM Act	<i>Water Management Act 2000</i>

DECLARATIONS

i. Certification under clause 6.15 Biodiversity Conservation Act 2016

I certify that this report has been prepared based on the requirements of, and information provided under, the Biodiversity Assessment Method and clause 6.15 of the *Biodiversity Conservation Act 2016* (BC Act).

Signature: 

Date: 23/01/2026

BAM Assessor Accreditation no: 23014

This BDAR has been prepared to meet the requirements of BAM 2020. **Appendix B** provides an assessment of compliance with the minimum information requirements outlined in BAM Appendix L.

ii. Details and experience of author/s and contributors

Authors and contributors

Name	BAM Assessor Accreditation no.	Position/Role	Tasks performed	Relevant qualifications
Polina Irwin	23014	Senior Ecologist	Report review, field surveys, BAM-C data review and analysis	BSc
Rebecca Cocks	N/A	Ecologist	Report preparation	BEnvSciM
Chelsea Tiller	N/A	Ecologist	Report preparation	BSc
James Madden	24030	Senior Ecologist	Report review	BSc, MRes
Natalie Wood	N/A	Spatial Analyst	Mapping and figure preparation	N/A

iii. Conflict of interest

I declare that I have considered the circumstances and there is no actual, perceived or potential conflict of interest.

Signature: 

Date: 23/01/2026

BAM Assessor Accreditation no: 23014

STAGE 1: BIODIVERSITY ASSESSMENT



1 INTRODUCTION

This Biodiversity Development Assessment Report (BDAR) has been prepared on behalf of Cottonwood Development Pty Ltd to support a Proposal for 88 Waterloo Road, Macquarie Park (formally known as 15-21 Cottonwood Crescent). In 2024, RPS prepared a Flora and Fauna Assessment to support a residential Development Application for the site. However, the project is now proceeding as a Proposal in line with detailed comments from a pre-lodgement meeting with the City of Ryde Council. All areas associated with the Proposal are referred to as the 'Subject Land', as displayed in **Figure 1-1**.

This BDAR describes the ecological values of the Subject Land, the desktop and field assessment methods used to investigate and characterise the ecological values and provides a predicted ecological impact analysis for the Proposal. Investigations are focused on threatened biodiversity and related matters listed under the NSW *Biodiversity Conservation Act 2016* (BC Act) and Matters of National Environmental Significance (MNES) listed under the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act).

This BDAR has been prepared in accordance with Appendix D of the *Biodiversity Assessment Method 2020* (BAM, DPE 2020): Streamlined Assessment Module – Planted Native Vegetation.

1.1 Proposed development

This report has been prepared in support of a State Significant Development Application (SSDA) and concurrent Rezoning Proposal – SSD-94006708 – at 15-21 Cottonwood Crescent, Macquarie Park (AKA. 88 Waterloo Road).

The application seeks development consent for the redevelopment of the site for a mixed-use development comprising residential accommodation and retail uses.

Specifically, this application seeks approval for the following:

- Demolition of all existing four-storey residential flat buildings on the site
- Site preparation works including:
 - Removal of existing vegetation
 - Excavation of the site to a maximum depth of six (6) basement levels
- Construction of two mixed-use buildings comprising a 60 and 52 storey building respectively, which will accommodate:
 - 858 Residential apartments inclusion 10% affordable housing of the uplift being sought
- Six (6) levels of basement with 825 car parking spaces, bicycle parking, services.
 - A two-level commercial podium containing:
 - Retail spaces
 - Four townhouses
 - Residential lobbies
 - Waste Storages
 - Residential and visitor Parking spaces
 - Bicycle Parking spaces
- Communal Open Space and residential amenities on level four (4).
- Rooftop Terrace on Level 52 of Cottonwood Crescent Tower and level 60 of Waterloo Road Tower.

The Proposal includes provision to amend Clauses 4.3 and 4.4 of the *Ryde Local Environmental Plan 2014* (RLEP2014) by virtue of the concurrent rezoning process. This includes the following amendments:

- Clause 4.3 – Height of Buildings:
 - Amend the current 65 m maximum building height to 205.5 m
- Clause 4.4 – FSR:

- Amend the current FSR of 4.5:1 to 17:8:1

This report has been prepared in response to the requirements contained within the Secretary's Environmental Assessment Requirements (SEARs) dated 8 October 2025 and issued for the SSDA (SSD-94006708). Specifically, this report has been prepared to respond to the SEARs requirement and government agency comments issued in **Table 1-1** below.

Table 1-1 SEARS Requirements and Government Agency Comments

SEARS	Item	Required information	Section reference
SSD-94006708 SEARs Industry Specific Cover Letter	Additional assessment requirements (p.3 of SEARS)	Biodiversity Development Assessment Report	Whole document
	Additional assessment requirements (p.3 and 4 of SEARS)	Matters of National Environmental Significance	Section 2.1.1 and Section 9.1.3
SSD-94006708 SEARS Combined Agency Advice: Part 2 – Supplement Commentary	e) Development Engineering (p.11 of SEARS)	g) Parks and Open Spaces Shadow impacts to Elouera Reserve and the Cottonwood Reserve to the south east given the proposed height should be considered with a site-specific shadow study. By way of best practice "sunlight control is best measured on the winter solstice. Best practice policies have a clear objective, an easy to follow metrics and allow for 4 to 5 hours of uninterrupted sunlight on the winter solstice to either a minimum of 50 percent of the total park area or for 100% of the active zones of the park (containing turf surfaces and soft landscaping).	Section 9.2
SSD-94006708 Industry Specific SEARs - Housing	2. Proposed Amendments (p.2 of SEARS)	An explanation of the provisions that are to be included in the proposed legislative changes. This section should be clearly stated and contain enough information on the proposal including but not limited to: proposed zones and/or development standards if known at this stage.	Section 2
	4. Relevant Issues (p.2 of SEARS)	Biodiversity The section shall cover off all relevant issues relating to the subject site and proposed changes.	Whole document
SSD-94006708 Concurrent Rezoning Requirements for SEARS	Key issues and supporting documentation Table (p.1 of SEARS)	1. Statutory Context Address all relevant legislation, environmental planning instruments (EPIs) (including drafts), plans, policies, guidelines and planning circulars. Provide an accurate summary of the detailed assessment of the impacts of the project and integrate the findings and recommendations of technical reports into the justification and evaluation of the project as a whole.	Section 2
	Key issues and supporting documentation Table (p.3 of SEARS)	7. Environmental Amenity Provide a solar access analysis of the overshadowing impacts of the development within the site, on surrounding properties and public spaces (during winter solstice) at hourly intervals between 9am and 3pm, comparing the proposed development, existing situation and where applicable, a development with no bonuses applied.	Whole document

SEARS	Item	Required information	Section reference
	Key issues and supporting documentation Table (p.3 of SEARS)	16. Biodiversity Unless a waiver has been granted, provide a Biodiversity Development Assessment Report (BDAR) that assesses any biodiversity impacts associated with the development in accordance with the Biodiversity Conservation Act 2016 and the Biodiversity Assessment Method 2020. <u>OR</u> If the development is on biodiversity certified land, provide information to identify the site (using associated mapping) and demonstrate the proposed development is consistent with the relevant biodiversity measure conferred by the biodiversity certification.	Whole document

1.1.1 Subject land

The Subject Land (**Figure 1-1**) is located at 88 Waterloo Road, Macquarie Park (formally known as 15-21 Cottonwood Crescent), approximately 11.7 kilometres (km) north-west of Sydney's Central Business District, in the Ryde City Local Government Area (LGA), NSW. The Subject Land consists of the area of land to be directly impacted by the Proposal and covers an area of approximately 0.52 ha over 4 lots (**Table 1-1**). It is bound by Waterloo Road to the north-east, Cottonwood Crescent to the south/south-east, Elouera Reserve to the north/north-west, and residential properties to the south-west.

It is noted that the Subject Land is adjacent to Elouera Reserve, and to the south is Shrimpton's Creek riparian corridor. The Subject Land is also located adjacent to the Macquarie Park Centre, and approximately 140 m south of Macquarie University. Currently, the land is zoned MU1: Mixed Use under the *Ryde Local Environmental Plan (LEP) 2014* and has been used historically for residential purposes.



Figure 1-1: Location of the Subject Land

1.2 Biodiversity Offset Scheme entry

No areas of Biodiversity Values occur within, or in close proximity to, the Subject Land.

The minimum lot size prescribed by the Ryde Local Environmental Plan to the Subject Land is 1,500 m². The BOS area clearing threshold applicable to the DA is therefore 0.25 ha. The Subject Land is largely hardstand, with only 0.14 ha of planted native vegetation present, therefore future development within the Subject Land will not trigger the BOS. Nonetheless, this BDAR has been prepared in accordance with a modified version of Stage 1 and 2 of the BAM to assess the impacts of future development on biodiversity.

1.3 Streamlined assessment module - Planted native vegetation

RPS investigated the applicability of Appendix D of the *Biodiversity Assessment Method 2020* (BAM, DPE 2020): Streamlined Assessment Module – Planted Native Vegetation to the Subject Land. An assessment of the Subject Land was undertaken on the 20th of September 2023 in order to collect the information required to support this decision-making key. As a result of the assessment, the vegetation of the Subject Land was identified as native vegetation, with strong evidence of planting (**Figure 1-2**) including:

- Trees of even age in furrow lines with uniform spacings (**Plate 1-1**)
- Placement within landscaping areas amongst hardstand (**Plate 1-2, Plate 1-3 & Figure 1-2**)
- Historical imagery displaying the Subject Land (and surrounding landscape) almost completely cleared of native vegetation between 1943 and 1955 (**Plate 1-4 & Plate 1-5**), and again in 1970 (**Plate 1-6**);
- In 1986 plantings were evident surrounding the apartment complex (**Plate 1-7**). Species present being commonly cultivated species for landscaping and/or screening, none of which conform to a native Plant Community Type (PCT) within the locality (**Appendix A**).

Therefore, the D1. Decision-making Key (BAM 2020) was applied, refer to **Table 1-2**. As a result of the Decision-making Key and with the available information, the planted native vegetation within the Subject Land was determined to easily fit into the D.1 Decision making key, as stated in the BAM (DPE 2020):

*The assessor must assess the suitability of the planted native vegetation for use by threatened species and record any incidental sightings or evidence (e.g., scats, stick nests) of threatened species credit species (flora and fauna) using, inhabiting or being part of the planted native vegetation. If there is evidence that threatened species are using the planted native vegetation as habitat, the assessor must apply Section 8.4 of the BAM to mitigate and manage impacts on these species. **Species credits are not required to offset the proposed impacts.** The steps taken to assess threatened species habitat and all reasonable measures proposed to be taken to mitigate or minimise impacts must be set out in the BAR.*



Plate 1-1: Native trees planted in a furrow line within a defined garden, with even age and uniform spacing



Plate 1-2: Mix of native and exotic vegetation planted in a deliberate arrangement within a formalised garden surrounded by hardstand areas (example 1)



Plate 1-3: Mix of native and exotic vegetation planted in a deliberate arrangement within a formalised garden surrounded by hardstand areas (example 2)

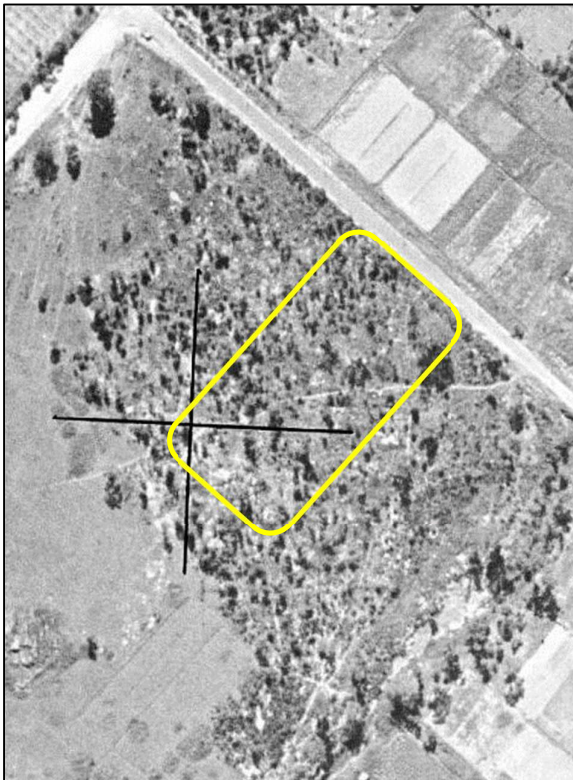


Plate 1-4: 1943 aerial of the Subject Land (in yellow) – remnant native vegetation present in disturbed landscape

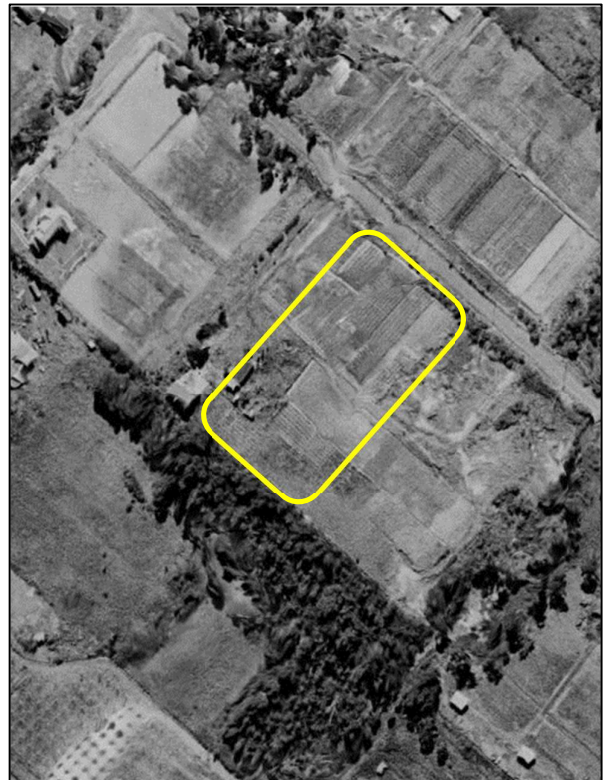


Plate 1-5: 1955 aerial of the Subject Land (in yellow) – almost completely cleared of native vegetation. Some remnants at road edge



Plate 1-6: 1970 aerial of the Subject Land (in yellow)
– completely cleared of native vegetation



Plate 1-7: 1986 aerial of the Subject Land (in yellow)
- planting visible amongst apartments

Table 1-2: D1. Decision-making Key (BAM 2020)

Question	Discussion	Outcome
1. Does the planted native vegetation occur within an area that contains a mosaic of planted and remnant native vegetation and which can be reasonably assigned to a Plant Community Type (PCT) known to occur in the same Interim Biogeographic Regionalisation for Australia (IBRA) subregion as the Proposed Development?	A combination of desktop and site assessments were used to inform whether the planted native vegetation occurs within an area that contains a mosaic of planted and remnant native vegetation. For this question, remnant vegetation was defined as native vegetation that has not been recently cleared and exists in a mature state with high ecological function. Desktop assessments involved the review of the Historical Imagery Viewer (NSW Spatial Services, 2025) of the area surrounding the Subject Land. The desktop assessment revealed that the Subject Land and the area surrounding was almost completely cleared of native vegetation sometime between 1943 and 1955 (Plate 1-4 & Plate 1-5) and the Subject Land and area surrounding was still in a cleared state in 1970 (Plate 1-6). In 1986, plantings were evident amongst the apartment complex (Plate 1-7). The planted native vegetation is located in landscaping areas amongst hardstand and has been arranged in a deliberate and uniform manner. It comprises exotic, weed and native species listed in Appendix B. The composition of native species is not characteristic of the native PCT mapped as occurring within the Subject Land by the NSW Pre-clearing State Vegetation Type Map (NSW DCCEEW, 2025d), nor any other PCTs known to occur in the Cumberland IBRA Subregion of the Sydney Basin Bioregion. Furthermore, the nearest patch of remnant vegetation was identified as being approximately 850 m north-east of the Subject Land, within the Lane Cove National Park. As the remnant patch is located more than 100 m away, it is not considered the same patch as the vegetation of the Subject Land. Therefore, the Subject Land does not occur within an area that contains a mosaic of planted and remnant native vegetation.	No. Go to 2.
2. Is the planted native vegetation: a. Planted for the purpose of environmental rehabilitation or restoration under an existing conservation obligation listed in BAM Section 11.9(2.) b. The primary objective was to replace or regenerate a plant community type or a threatened plant species population or its habitat?	The native vegetation within the Subject Land was planted for landscaping purposes, visual amenity, shading and/or screening. These plantings were not undertaken for environmental rehabilitation or restoration under an existing conservation obligation listed in BAM Section 11.9(2.), nor were the plantings used to regenerate a PCT or threatened plant species population or its habitat. The species used do not form any recognised PCT that would occur within the surrounding region.	No. Go to 3.
3. Is the planted or translocated native vegetation individuals of a threatened species or other native species planted or translocated for the purpose of providing threatened species habitat under one of the following: a. Species recovery project b. Saving our Species project	The planted native vegetation within the Subject Land does not include any individuals of threatened species, nor are the plantings associated with any of the conservation projects listed to the left. The species are common landscaping tree species.	No. Go to 4.

Question	Discussion	Outcome
c. Other types of government funded restoration project d. Condition of consent for a development approval that required those species to be planted or translocated for the purpose of providing threatened species habitat e. Legal obligation as part of a condition or ruling of court f. Ecological rehabilitation to re-establish a PCT or TEC that was, or is carried out under a mine operations plan g. Approved vegetation management plan?		
4. Was the planted native vegetation (including individuals of a threatened flora species) undertaken voluntarily for revegetation, environmental rehabilitation or restoration without a legal obligation to secure or provide for management of the native vegetation?	The primary purpose of the plantings was for landscaping purposes. The planted species are not consistent with a PCT from the locality. Therefore, the planted native vegetation within the Subject Land was not undertaken voluntarily for revegetation, environmental rehabilitation or restoration without a legal obligation to secure or provide for management of the native vegetation.	No. Go to 5.
5. Is the native vegetation (including individuals of a threatened flora species) planted for functional, aesthetic, horticultural or plantation forestry purposes?	The planted native vegetation within the Subject Land was planted for the purposes of landscaping. The choice of species was likely chosen based on personal preference by the landowner, for the visual appeal or screening within the Subject Land.	Yes. Go to D.2 Assessment of planted native vegetation for threatened species habitat (the use of Chapters 4 and 5 of the BAM are not required to be applied)



Figure 1-2: Planted native vegetation

1.4 Information sources

Key information sources used in the BDAR include, but are not limited to:

- BAM (NSW DPIE 2020a)
- Areas of Outstanding Biodiversity Value register (NSW DCCEEW 2025a)
- BAM Calculator Version: 1.5 (NSW DCCEEW 2025b)
- Biodiversity Values Map and Threshold Tool (NSW DCCEEW 2025c)
- BioNet Atlas of NSW Wildlife (NSW DCCEEW 2025d)
- BioNet Threatened Biodiversity Profiles (NSW OEH 2025)
- BioNet Vegetation Classification (NSW DCCEEW 2025e)
- BioNet NSW (Mitchell) Landscapes – Version 3.1 (NPWS 2002)
- NSW Interim Biogeographic Regions of Australia (IBRA) – Version 7.1 (Cth DCCEEW 2025b)
- NSW State Vegetation Type Map (Pre-Clearing) (NSW DCCEEW 2024)
- Historical Aerial Imagery (NSW Spatial Services 2025)
- NSW State Vegetation Type Map (SVTM; DPE 2022c)
- EPBC Act Protected Matters Search Tool (Cth DCCEEW 2025a)
- *Flora and Fauna Assessment Report – 88 Waterloo Road, Macquarie Park NSW 2113* (RPS, 2024).

2 REGULATORY CONTEXT

The regulatory context that defines the assessment framework for the Proposal is outlined in **Table 2-1**, and further detailed below.

Table 2-1: Relevant legislation, policy and guidelines

Legislation, Policy and Guidelines	Relevant features in Subject Land	Application
Commonwealth		
<i>Environment Protection and Biodiversity Conservation Act 1999</i> (EPBC Act)	No EPBC Act listed Threatened Ecological Communities and no threatened flora or fauna species were recorded. However, given suitable foraging habitat may be impacted, the precautionary approach has been applied for the following fauna species listed under this Act: • Grey-headed Flying-fox (<i>Pteropus poliocephalus</i>) – Vulnerable.	Whilst Proposals are not considered an 'action' under the EPBC Act, consideration of MNES is prudent at the Proposal stage (refer to Section 2.1.1).
State		
<i>Environmental Planning and Assessment Act 1979</i> (EP&A Act)	All threatened species, populations and ecological communities and their habitats that occur or are likely to occur within the Subject Land during a part of their lifecycle.	The Proposal must include the basis for strategic planning, having regard to environmental matters (s.3.4 of the EP&A Act). As such, the Proposal is supported by this BDAR.
<i>Biodiversity Conservation Act 2016</i> (BC Act)	No BC Act listed Threatened Ecological Communities occur within the Subject Land. No threatened flora species are present or considered likely to occur. No threatened fauna species were recorded; however potential habitat is present. As such, the precautionary approach has been applied for the following fauna species listed under this Act: • Little Lorikeet (<i>Glossopsitta pusilla</i>) – Vulnerable • Grey-headed Flying-fox (<i>Pteropus poliocephalus</i>) – Vulnerable • Yellow-bellied Sheath-tail-bat (<i>Saccolaimus flaviventris</i>) – Vulnerable • Large Bent-winged Bat (<i>Miniopterus orianae oceanensis</i>) – Vulnerable.	Whilst Proposals are not considered a 'development' per Section 7 of the BC Act, consideration of future potential impacts has been completed. Relevance of the Biodiversity Offset Scheme (BOS) to future development is further detailed in Section 2.2.2.1 .
<i>Water Management Act 2000</i> (WM Act)	No watercourses or riparian buffers intersect with the Subject Land; therefore, this Act does not apply.	N/A
<i>Fisheries Management Act 1994</i> (FM Act)	No aquatic species or habitats occur within the Subject Land; therefore, this Act does not apply.	N/A
<i>State Environmental Planning Policy (Biodiversity and Conservation) 2021</i> (Biodiversity and Conservation SEPP)	The Ryde LGA is not listed in Schedule 2 of the SEPP, therefore Chapter 3 & 4 Koala Habitat Protection do not apply.	N/A
<i>State Environmental Planning Policy (Coastal Resilience and Hazards) 2021</i>	The Subject Land does not intersect with land mapped as Coastal Use Area, Coastal Environment Area, Littoral Rainforest, Coastal Wetlands or	N/A

Legislation, Policy and Guidelines	Relevant features in Subject Land	Application
	proximity to either. Therefore, Chapter 2 of this SEPP does not apply.	

2.1 Commonwealth

2.1.1 *Environmental Protection and Biodiversity Conservation Act 1999*

The EPBC Act provides a legal framework to protect and manage nationally and internationally important flora, fauna, ecological communities and heritage places, defined in the Act as Matters of National Environmental Significance (MNES). MNES identified in the Act include:

1. World heritage properties
2. National heritage places
3. Wetlands of international importance (listed under the Ramsar Convention)
4. Threatened species and communities
5. Migratory species protected under international agreements
6. Commonwealth marine areas
7. The Great Barrier Reef Marine Park
8. Nuclear actions (including uranium mines)
9. Protection of water resources from coal seam gas development and large coal mining development.

MNES identified in the assessment are detailed in **Section 9.1.3**.

2.1.1.1 Significant Impact Guidelines 1.1 – MNES

Under the EPBC Act, an action will require approval from the Environment Minister (the minister) if the action has, will have, or is likely to have, a significant impact on an MNES. The *Significant Impact Guidelines 1.1 – Matters of National Significance* (DEWHA 2013) outline a 'self-assessment' process, including detailed criteria, to assist persons in deciding whether or not referral to the minister is required for assessment and approval under the EPBC Act. MNES within the Subject Land will require detailed assessment under the Significant Impact Guidelines at the Development Application (DA) Stage.

2.2 State

2.2.1 *Environmental Planning and Assessment Act 1979*

The Section 1.7 of the *Environmental Planning and Assessment Act 1979* (EP&A Act) provides a framework for the application of Part 7 of the *Biodiversity Conservation Act 2016* (BC Act) and part 7A of the *Fisheries Management Act 1994* (FM Act). The Proposal must include the basis for strategic planning in the district, having regard to environmental matters (s.3.4 of the EP&A Act). As such, the Proposal is supported by this BDAR.

2.2.2 *Biodiversity Conservation Act 2016*

The main objective of the BC Act is to conserve listed threatened species and threatened ecological communities (TECs) within NSW. This objective would be delivered by conserving biological diversity, prevent the extinction of threatened species, promote the recovery of threatened or endangered species and reduce the pressures that threaten such species. The BC Act provides a framework to assessing the impacts of development on threatened species, populations, ecological communities and their habitats listed in Schedules 1 and 2 of the BC Act.

2.2.2.1 Biodiversity Offset Scheme

The BC Act introduces the Biodiversity Offsets Scheme (BOS) and BAM. Entry into the BOS would apply to a future DA if any of the following three impacts are triggered:

1. Exceeding the BOS threshold, comprised of clearing on land within the Biodiversity Values Map or clearing of an area that exceeds the threshold
2. Occurring on an Area of Outstanding Biodiversity Value (AOBV), AND/OR
3. Significantly impacting a threatened species, ecological community or their habitat (determined via the Assessment of Significance [5-part Test] under Section 7.3 of the BC Act).

The BOS is based on the 'avoid, minimise, offset' hierarchy. Using the hierarchy proponents must first consider whether the development can avoid a negative impact on the environment; next consider whether the development can minimise any negative impacts that cannot be avoided; and once all reasonable steps to avoid or minimise environmental impacts have been exhausted, consider whether any remaining impacts can be offset. Avoidance measures completed as part of this Proposal are detailed in **Section 8**.

2.2.2.2 Exceeding the BOS Threshold

The BOS threshold may be triggered by the clearing or modification of native vegetation on land mapped under the Biodiversity Values (BV) Map (NSW DCCEEW 2025c). Clause 7.3(3) of the *Biodiversity Conservation Regulation 2017* describes 11 types of land that may be included on the BV Map. No BV mapping occurs within or near the Subject Land.

The BOS threshold can also be triggered by the clearing or modification of native vegetation that exceeds area threshold values. Thresholds depend on the minimum lot size (designated under the relevant Local Environmental Plan [LEP]) or actual lot size when there is no minimum lot size prescribed to the land by the LEP. The area clearing threshold is displayed in **Table 2-2**.

The area threshold applies to all proposed native vegetation clearing associated with a Proposal, regardless of whether this clearing is across multiple lots. In the case of a subdivision, the proposed clearing must include all future clearing likely to be required for the intended use of the land after it is subdivided. If the land on which the proposed development is located has different minimum lot sizes, the smaller or smallest of those minimum lot sizes is used to determine the area clearing threshold. If approved, the Proposal may result in amended minimum lot sizes associated with the Subject Land.

Table 2-2: BOS area clearing threshold

Minimum lot size associated with the Property	Threshold for clearing, above which the BOS applies
Less than 1 ha	0.25 ha or more
1 ha to less than 40 ha	0.5 ha or more
40 ha to less than 1,000 ha	1 ha or more
1,000 ha or more	2 ha or more

A future DA within the Subject Land would not exceed the BOS threshold for the following reasons:

- The Subject Land does not intersect with land mapped as BV
- Any future DA would involve the clearing of up to 0.14 ha of Urban Native/Exotic Vegetation comprised of a mix of exotic landscaped species and historically planted native species. This is less than the minimum clearing threshold of 0.25 ha.

As such, impacts associated with a future DA would be assessed in a standard FFA to determine the potential impacts of the development (refer to **Section 2.2.2.4**).

2.2.2.3 Area of Outstanding Biodiversity Value

Areas of Outstanding Biodiversity Value (AOBV), previously identified as Critical Habitat, are special areas with irreplaceable biodiversity values that are important to New South Wales, Australia, or globally. Developments occurring on AOBVs are an automatic trigger for the BOS. There are only four declared AOBV, none of which are within the Subject Land or surrounds, therefore this trigger does not apply.

2.2.2.4 Significant Impact

Significantly impacting a threatened species, ecological community or their habitat is an additional trigger for the BOS. Significant impacts are considered in an FFA through an Assessment of Significance (5-part Test) per Section 7.3 of the BC Act. If an FFA identifies that a future DA is likely to yield a significant impact, the BOS is triggered, and the development will require a supporting BDAR and associated retirement of offset credits.

2.3 Local

2.3.1 Ryde Local Environment Plan 2014

2.3.1.1 Zoning

The Subject Land is zoned 'MU1 Mixed Use'. The objectives of this zone are:

- To encourage a diversity of business, retail, office and light industrial land uses that generate employment opportunities
- To ensure that new development provides diverse and active street frontages to attract pedestrian traffic and to contribute to vibrant, diverse and functional streets and public spaces
- To minimise conflict between land uses within this zone and land uses within adjoining zones
- To encourage business, retail, community and other non-residential land uses on the ground floor of buildings
- To ensure employment and educational activities within the Macquarie University campus are integrated with other businesses and activities
- To promote strong links between Macquarie University and research institutions and businesses in the Macquarie Park corridor

The proposed mixed-use residential and retail/commercial lots is consistent with these objectives.

2.3.2 Ryde Development Control Plan 2014

2.3.2.1 Section 5.8 – Street Trees, Front Setback Tree Planting, and Significant Trees

This section applies to trees located within the 'front setback zone' of the Subject Land. The front setback area is defined as the distance between the front elevation of the building other than a veranda, and the property boundary, which fronts the street (RCC 2014).

Reference to p.38 of the Ryde Development Control Plan (DCP), the Proposal is compliant with the below controls applicable to tree removal and pruning:

c) *Where:*

- *new floor space or parking areas are proposed and*
- *a site is shown part coloured on the Sydney Metropolitan Catchment Vegetation Mapping 2013 (unless identified as containing "Weeds and Exotics" only)*
- *removal of native vegetation species is proposed*

Submit a Flora and Fauna Assessment prepared by a suitably qualified ecological consultant with the DA that has regard to:

- *Part 9.5 Tree Preservation of the RDCP 2014*

- *Threatened Species Conservation Act 1995 (TSC Act)* ¹
- *Sydney Metropolitan Vegetation Mapping, 2013* ²

As such, any future DA would need to satisfy the requirements under s.5.8 of the RDCP.

2.3.3 Other

2.3.3.1 RCC's Local Strategic Planning Statement 2020

With reference to Table 31 (p.160) of the RCC's *Local Strategic Planning Statement (LSPS) 2020*, the following is applicable:

- *E1.1 Manage and protect the conservation significance of native vegetation, urban waterways, biodiversity corridors and urban habitats by implementing Ryde Biodiversity Plan 2016*
- *E1.4 - Review environmentally sensitive land across the LGA including E1, E2 and E3 Environmental Conservation Zones, including to protect the Shrimptons Creek corridor and threatened species along Epping Road*
- *E2.1 Continue to implement the current City of Ryde Street Tree Masterplan and Tree Management Policy and Plan* ³

As per above, the Proposal is consistent with the LSPS 2020 and is unlikely to have a significant impact on the Local Shrimpton Connectivity Corridor. Additionally, refer below for the details regarding the RCC's Biodiversity Plan (**Section 2.3.3.2**) and Urban Forest Strategy (**Section 2.3.3.3**).

2.3.3.2 Biodiversity Plan 2016

Reference to Target 5.6 (p.47) of the RCC's Biodiversity Plan 2016, the Proposal considers biodiversity impacts during the preliminary stages of development and is considered 'sympathetic to biodiversity and neighbouring bushland' (see **Section 8** and **Section 9**). Should revegetation be undertaken in the Shrimpton Connectivity Corridor, it would support improved connectivity between local corridors and regional corridors across Ryde and provide enhanced habitat for native flora and fauna and therefore aligns with Section 5.5.4 (p.20) of the RCC's Biodiversity Plan.

2.3.3.3 Urban Forest Strategy 2023

The Urban Forest Strategy 2023⁴ aligns with the Proposal (RCC, 2023). **Section 9.4** of this BDAR details the revegetation recommendations with historical PCT types and species selection with reference to Part 4: Best Practice Planting And Management Guidelines of the Urban Forest Strategy.

¹ The TSC Act was repealed in 2016 and is superseded by the *Biodiversity Conservation Act 2016*.

² The Sydney Metropolitan Vegetation Mapping was repealed and is superseded by the NSW State Vegetation Type Map (SVTM; DPE 2023)

³ The Urban Forest Strategy 2023 supersedes the Tree Management Plan 2013 and the Street Tree Masterplan 2013

⁴ The Urban Forest Strategy 2023 supersedes the Tree Management Plan 2013 and the Street Tree Masterplan 2013.

3 METHODS

A desktop assessment and field survey were undertaken to characterise the biodiversity values of the Subject Land. Desktop assessments focused on determining the likely presence of State (BC Act) and Commonwealth (EPBC Act) listed threatened species, populations and ecological communities within the Subject Land.

3.1 Site context methods

3.1.1 Databases

Information relevant to the Proposal was reviewed to gain an understanding of the biodiversity values occurring or potentially occurring within the Subject Land. Information sources reviewed for a 10 km radius of the Subject Land (i.e., locality) included:

- Biodiversity Assessment Method (BAM) Calculator candidate species output (NSW DCCEEW, 2025b)
- Flora and fauna records contained in the Biodiversity and Conservation Division (BCD) BioNet Atlas of NSW Wildlife database (NSW DCCEEW, 2025d)
- Flora and fauna records contained in the Commonwealth Protected Matters Search Tool (Cth DCCEEW, 2025a)

3.1.2 Spatial datasets

The following spatial resources/datasets were interrogated to evaluate landscape condition of the Subject Land:

- Historical Imagery (NSW Spatial Services, 2025)
- eSPADE, NSW Soil and Land Information (NSW DPIE, 2025)
- BioNet Vegetation Classification (NSW DCCEEW 2025e)
- NSW State Vegetation Type Map, version C2.0.M2.1, November 2024 (NSW DCCEEW, 2024)
- BioNet NSW (Mitchell) Landscapes – Version 3.1 (NSW DCCEEW, 2016)
- NSW Interim Biogeographic Regions of Australia (IBRA) – Version 7.1 (Cth DCCEEW, 2025b)

3.2 Field survey

A site assessment of the Subject Land was conducted on the 20th of September 2023 to identify biodiversity values and ground truth desktop research in accordance with the BAM (DPE 2020a). No targeted threatened flora or fauna surveys were conducted as part of this assessment.

3.3 Native vegetation, threatened ecological communities and vegetation integrity methods

In accordance with Appendix D.1 Q5.i of the BAM, this streamlined assessment does not require the vegetation within the Subject Land to be assigned to a PCT, Threatened Ecological Community or for vegetation integrity to be assessed.

3.4 Threatened flora

3.4.1 Review of existing information

The BAM Calculator (BAM-C; [NSW DCCEEW, 2025b]) was run using benchmark data from the pre-clearing PCT mapped within the Subject Land (NSW DCCEEW, 2025d). The resulting pre-clearing vegetation was determined to be PCT 3592: Sydney Coastal Enriched Sandstone Forest and PCT 3176: Sydney Enriched

Sandstone Moist Forest which were used to create a list of species credit flora species (**Table 3-1** and **Table 3-2**) for consideration as part of this assessment. No ecosystem credit flora species were derived from this process.

Threatened flora species credit species derived from the BAM-C for PCT 3592 and PCT 3176 (pre-clearing PCT mapped within the Subject Land; [NSW DCCEEW, 2025d]) are listed in **Table 3-1**.

Table 3-1: Threatened flora species credit species derived from the BAM-C

Scientific name	Common name	BC Act listing	EPBC Act listing
<i>Acacia prominens</i>	Gosford Wattle	EP	-
<i>Acacia pubescens</i>	Downy Wattle	V	V
<i>Acacia terminalis</i> subsp. <i>Eastern Sydney</i>	Sunshine wattle	E	E
<i>Callistemon linearifolius</i>	Netted Bottle Brush	V	-
<i>Darwinia biflora</i>		V	V
<i>Deyeuxia appressa</i>		E	E
<i>Diuris bracteata</i>		E	X
<i>Epacris purpurascens</i> var. <i>purpurascens</i>		V	-
<i>Eucalyptus camfieldii</i>	Camfield's Stringybark	V	V
<i>Genoplesium baueri</i>	Bauer's Midge Orchid	E	E
<i>Grevillea parviflora</i> subsp. <i>supplicans</i>		E	-
<i>Haloragodendron lucasii</i>		E	E
<i>Hibbertia puberula</i>		E	-
<i>Hibbertia spanantha</i>	Julian's Hibbertia	CE	CE
<i>Hibbertia superans</i>		E	-
<i>Kunzea rupestris</i>	Kunzea rupestris	V	V
<i>Lasiopetalum joyceae</i>		V	V
<i>Leptospermum deanei</i>		V	V
<i>Melaleuca deanei</i>	Deane's Paperbark	V	V
<i>Micromyrtus blakelyi</i>		V	V
<i>Persoonia hirsuta</i>	Hairy Geebung	E	E
<i>Persoonia mollis</i> subsp. <i>maxima</i>	<i>Persoonia mollis</i> subsp. <i>maxima</i>	E	E
<i>Pimelea curviflora</i> var. <i>curviflora</i>		V	V
<i>Prostanthera askania</i>	Tranquillity Mintbush	E	E
<i>Prostanthera marifolia</i>	Seaforth Mintbush	CE	CE
<i>Rhizanthella slateri</i>	Eastern Australian Underground Orchid	V	E
<i>Rhodamnia rubescens</i>	Scrub Turpentine	CE	CE
<i>Tetratheca glandulosa</i>	<i>Tetratheca glandulosa</i>	V	-
<i>Wahlenbergia multicaulis</i>	Tadgell's Bluebell	EP	-
<i>Zieria involucrata</i>		E	V

V = Vulnerable; EP = Endangered Population; E = Endangered; CE = Critically Endangered; X = Extinct

3.4.2 Habitat constraints assessment

Habitat constraints were identified during the field reconnaissance to confirm the extent and condition of landscape features and mapping of native vegetation extent (**Section 1.3**). Habitat such as non-native vegetation was deemed unsuitable for some threatened species.

3.5 Threatened fauna

3.5.1 Review of existing information

The BAM Calculator (BAM-C; [NSW DCCEEW, 2025b]) was run using benchmark data from the pre-clearing PCT mapped within the Subject Land (NSW DCCEEW, 2025d). The resulting pre-clearing vegetation was determined to be PCT 3592: Sydney Coastal Enriched Sandstone Forest and PCT 3176: Sydney Enriched Sandstone Moist Forest which were used to create a list of ecosystem and species credit fauna species (Table 3-2) for consideration as part of this assessment.

Ecosystem, species credit and dual listed (ecosystem and species credit) threatened fauna derived from the BAM-C for PCT 3592 and PCT 3176 (pre-clearing PCT mapped within the Subject Land; NSW DCCEEW 2025e) are listed in Table 3-2.

Table 3-2: Ecosystem, species and dual credit threatened fauna species derived from the BAM-C

Scientific name	Common name	BC Act listing	EPBC Act listing	Credit type
Amphibians				
<i>Heleioporus australiacus</i>	Giant Burrowing Frog	V	V	Species
<i>Litoria aurea</i>	Green and Golden Bell Frog	E	V	Species
<i>Mixophyes iteratus</i>	Giant Barred Frog	V	V	Species
<i>Pseudophryne australis</i>	Red-crowned Toadlet	V	-	Species
Aves				
<i>Artamus cyanopterus cyanopterus</i>	Dusky Woodswallow	V	-	Ecosystem
<i>Burhinus grallarius</i>	Bush Stone-curlew	E	-	Species
<i>Callocephalon fimbriatum</i>	Gang-gang Cockatoo	E	E	Dual
<i>Calyptorhynchus lathami lathami</i>	South-eastern Glossy Black-Cockatoo	V	V	Dual
<i>Climacteris picumnus victoriae</i>	Brown Treecreeper (eastern subspecies)	V	V	Ecosystem
<i>Daphoenositta chrysoptera</i>	Varied Sittella	V	-	Ecosystem
<i>Glossopsitta pusilla</i>	Little Lorikeet	V	-	Ecosystem
<i>Haliaeetus leucogaster</i>	White-bellied Sea-Eagle	V	-	Dual
<i>Hieraaetus morphnoides</i>	Little Eagle	V	-	Dual
<i>Hirundapus caudacutus</i>	White-throated Needletail	V	V	Ecosystem
<i>Ixobrychus flavicollis</i>	Black Bittern	V	-	Ecosystem
<i>Lathamus discolor</i>	Swift Parrot	E	CE	Dual
<i>Lophoictinia isura</i>	Square-tailed Kite	V	-	Dual
<i>Melithreptus gularis gularis</i>	Black-chinned Honeyeater (eastern subspecies)	V	-	Ecosystem
<i>Neophema pulchella</i>	Turquoise Parrot	V	-	Ecosystem
<i>Nettapus coromandelianus</i>	Cotton Pygmy-Goose	E	-	Species
<i>Ninox connivens</i>	Barking Owl	V	-	Species
<i>Ninox strenua</i>	Powerful Owl	V	-	Species
<i>Pandion cristatus</i>	Eastern Osprey	V	-	Dual
<i>Petroica boodang</i>	Scarlet Robin	V	-	Ecosystem
<i>Petroica phoenicea</i>	Flame Robin	V	-	Ecosystem
<i>Pezoporus wallicus wallicus</i>	Eastern Ground Parrot	V	-	Species
<i>Tyto novaehollandiae</i>	Masked Owl	V	-	Species
Mammals				
<i>Cercartetus nanus</i>	Eastern Pygmy-possum	V	-	Species

Scientific name	Common name	BC Act listing	EPBC Act listing	Credit type
<i>Chalinolobus dwyeri</i>	Large-eared Pied Bat	E	E	Species
<i>Dasyurus maculatus</i>	Spotted-tailed Quoll	V	E	Ecosystem
<i>Falsistrellus tasmaniensis</i>	Eastern False Pipistrelle	V	-	Ecosystem
<i>Isodon obesulus obesulus</i>	Southern Brown Bandicoot (eastern)	E	E	Species
<i>Micronomus norfolkensis</i>	Eastern Coastal Free-tailed Bat	V	-	Ecosystem
<i>Miniopterus australis</i>	Little Bent-winged Bat	V	-	Dual
<i>Miniopterus orianae oceanensis</i>	Large Bent-winged Bat	V	-	Dual
<i>Myotis macropus</i>	Southern Myotis	V	-	Species
<i>Notamacropus parma</i>	Parma Wallaby	V	V	Species
<i>Perameles nasuta</i>	Long-nosed Bandicoot population in inner western Sydney	EP	-	Species
<i>Perameles nasuta</i>	Long-nosed Bandicoot, North Head			Species
<i>Petauroides volans</i>	Southern Greater Glider	EP	-	Species
<i>Petaurus australis</i>	Yellow-bellied Glider	V	V	Ecosystem
<i>Petaurus norfolcensis</i>	Squirrel Glider	V	-	Species
<i>Petaurus norfolcensis</i>	Squirrel Glider on Barrenjoey Peninsula, north of Bushrangers Hill	EP	-	Species
<i>Phascolarctos cinereus</i>	Koala	E	E	Species
<i>Phoniscus papuensis</i>	Golden-tipped Bat	V	-	Ecosystem
<i>Pteropus poliocephalus</i>	Grey-headed Flying-fox	V	V	Dual
<i>Saccolaimus flaviventris</i>	Yellow-bellied Sheath-tail-bat	V	-	Ecosystem
<i>Scoteanax rueppellii</i>	Greater Broad-nosed Bat	V	-	Ecosystem
Molluscs				
<i>Meridolum maryae</i>	Maroubra Woodland Snail	E	E	Species
<i>Pommerhelix duralensis</i>	Dural Land Snail	E	E	Species
Reptiles				
<i>Hoplocephalus bungaroides</i>	Broad-headed Snake	E	E	Dual
<i>Varanus rosenbergi</i>	Rosenburg's Goanna	V	-	Ecosystem

V = Vulnerable, EP = Endangered Population; E = Endangered, CE = Critically Endangered

3.5.2 Habitat constraints assessment

3.5.2.1 General

The nature and extent of fauna habitats within the Subject Land, greater Subject Property and surrounding area was systematically assessed through a parallel transect survey. Site assessments for threatened and native fauna included consideration of important indicators of habitat condition and complexity, including the occurrence of microhabitats such as tree hollows, fallen logs, bushrock, caves and crevices, manmade structures, riparian areas, wetlands and water bodies. Indirect indicators of fauna use of the site, such as droppings, diggings, footprints, scratches, nests, burrow paths and runways, were recorded.

3.5.2.2 Non-specific surveys

Opportunistic sightings obtained from active searches used secondary indications (scratches, scats, diggings, tracks etc.) and direct observation to census resident fauna. Observations recorded included:

- Distinctive scats left by mammals
- Scratch marks made by various types of arboreal animals

- Nests made by various birds
- Feeding scars on Eucalyptus trees made by Gliders
- Whitewash, regurgitation pellets and prey remains from Owls
- Aural recognition of bird and frog calls
- Skeletal material of vertebrate fauna
- Searches beneath rocks and logs for reptiles and frogs
- Chewed *Allocasuarina* cones – indicative of foraging Glossy Black-cockatoo (*Calyptorhynchus lathami*).

3.5.3 Field survey

A diurnal site investigation was undertaken on the 20th of September 2023 where an assessment of habitat constraints and microhabitats (e.g. tree hollows, fallen logs, bush rock, caves, and crevices, humanmade structures, riparian areas, wetlands, and water bodies) were undertaken. Targeted surveys for threatened fauna were also undertaken for all species listed in **Table 3-2** with the potential for diurnal occurrence at the time of survey (September), utilising a random meander survey technique.

3.6 Weather conditions

Flora and fauna survey efforts performed as part of this investigation are summarised in **Table 3-3**. The nearest weather station to the Subject Land providing sufficient rainfall data (Gordon Golf Club, station #66120) recorded 19.5 mm of rain in the month of September 2023, moderately lower than mean rainfall records for the station (67.2 mm; BOM 2025a). Temperatures at the nearest station providing sufficient temperature data (Sydney Olympic Park AWS (Archery Centre), station #66212) leading up to the survey were average for this time of year (BOM 2025b). Weather conditions in the lead up to the site assessment were largely supportive for the emergence of threatened flora and fauna species.

Table 3-3: Survey timing and weather conditions (BOM 2025). Bold indicates survey dates

Survey undertaken (e.g., method / targeted species)	Date	Temperature minimum (°C)	Temperature maximum (°C)	Rainfall (mm)
1-week lead up	14/09/2023	8.2	26.6	0
	15/09/2023	9	28.3	0
	16/09/2023	9.9	33.5	0
	17/09/2023	11.2	33.1	0
	18/09/2023	11.2	35.7	0
	19/09/2023	11.5	34.3	0
	20/09/2023	16.6	33.9	0
Opportunistic surveys	20/09/2023	16.6	33.9	0

3.7 Limitations

3.7.1 Seasonality

Some cryptic flora species that occur in the local area are annuals and are only present in the seed bank for much of the year. Other plant species are perennial but are inconspicuous or difficult to identify unless flowering.

Similarly, some fauna species that have been recorded in the local area occur on a seasonal or migratory basis, may be absent from the locality for much of the year. Fauna behaviours may have also affected detectability; species that are easily disturbed, cryptic or nocturnal may not have been detected. It is possible that several flora and fauna species occurring in the Subject Land were not detected during the current survey due to the above factors.

These potential limitations have been addressed by literature research and review, and through identification of potential habitats for flora and fauna species and assessment of the potential for targeted species to occur on in the Subject Land based on:

-
- Previous records
 - The type and condition of habitats present
 - The land use throughout the flora plot and surrounds and
 - The landscape context.

The precautionary principle (assumed presence) was applied where habitat was identified, or species were predicted to utilise habitat components at some stage during their life cycle.

3.7.2 Data availability and accuracy

The collated threatened flora and fauna species records obtained from the BioNet Database for the region are known to vary in accuracy and reliability. Traditionally, this is due to the reliability of information provided to BCD for collation and/or the need to protect specific threatened species locations. For the purposes of this BDAR, this information has been considered to have an accuracy of ± 1 km, however for some threatened species, records may be denatured by up to 2 km.

Threatened flora and fauna records within the region were predominantly sourced from the BioNet database and an EPBC Protected Matters Search. Similar limitations are known to exist with regards to these data sources and their accuracy. Data recorded by RPS during the survey period has been gathered using Garmin 64s handheld GPS units, these devices generally provide sub-four metre accuracy.

4 LANDSCAPE CONTEXT

4.1 Assessment area

The Assessment Area is the area of land within a 1,500 m buffer zone surrounding the Subject Land. The Assessment Area spans approximately 752.2 ha and is displayed in **Figure 4-1**.

4.2 Landscape features

4.2.1 IBRA bioregion and subregion

The Subject Land is located within the Pittwater IBRA Subregion of the Sydney Basin Bioregion, with the Assessment Area further intersecting with the Cumberland IBRA Subregion (Cth DCCEEW, 2025b) (**Figure 4-1**).

4.2.2 NSW (Mitchell) Landscape

The Subject Land intersects with one Mitchell Landscape unit, Pennant Hills Ridges (NSW DCCEEW, 2016) (**Figure 4-1**). The Assessment Area further intersects with one other Mitchell Landscape Unit, Port Jackson Basin (NSW DCCEEW, 2016). These Mitchell Landscape units are generally described as follows:

Pennant Hills Ridges (NPWS, 2002)

Rolling to moderately steep hills on horizontal Triassic shales and siltstones. General elevation 10 to 90 m, local relief 60 m. Deep red texture-contrast soils on narrow hillcrests, red and brown to yellow texture-contrast soils on slopes becoming slightly harsher in drainage lines.

Tall open forest of Sydney Blue Gum (Eucalyptus saligna), Turpentine (Syncarpia glomulifera), Blackbutt (Eucalyptus pilularis), White Stringybark (Eucalyptus globoidea), Grey Ironbark (Eucalyptus paniculata), Forest Oak (Allocasuarina torulosa) and Rough-barked Apple (Angophora floribunda). Rainforest elements in protected moist gully heads with Sweet Pittosporum (Pittosporum undulatum), Cheese Tree (Glochidion ferdinandi), Sandpaper Fig (Ficus coronata) and Black Wattle (Callicoma serratifolia).

Port Jackson Basin (NPWS, 2002)

Deep elongated harbour with steep cliffed margins on horizontal Triassic quartz sandstone. Small pocket beaches and more extensive Quaternary estuary fill of muddy sand at the head of most tributary streams. General elevation 0 to 80m, local relief 10 to 50m. Sandstone slopes and cliffs have patches of uniform or gradational sandy soil on narrow benches and within joint crevices that support forest and woodland of Sydney Peppermint (Eucalyptus piperita), Smooth-barked Apple (Angophora costata), red bloodwood (Corymbia gummifera) and blackbutt (Eucalyptus pilularis). Sheltered gullies contain some Turpentine (Syncarpia glomulifera), Coachwood (Ceratopetalum apetalum) and Water gum (Tristaniopsis laurina). Estuarine sands were originally dominated by saltmarsh but have been taken over by Grey Mangrove (Avicennia marina) in the past century.

4.2.3 Soil landscapes

The Subject Land occurs on two soil landscapes, Lucas Heights (residual) and Disturbed Terrain (NSW DPIE, 2025). The wider Assessment Area also includes Glenorie (erosional), Gynea (erosional) and Hawksbury (colluvial) soil landscapes (**Figure 4-2**) (NSW DPIE, 2025). These soil landscapes are generally described as follows:

Disturbed Terrain - 9130xx (Chapman and Murphy, 1989)

The Disturbed terrain consists of Artificial fill. Commonly dredged estuarine sand and mud, demolition rubble, industrial and household waste, and includes rocks and local soil materials. The limitations of this soil landscape type are dependent on nature of fill material, and may include mass movement hazard, unconsolidated low wet strength materials, impermeable soil, poor drainage, localised very low fertility and toxic materials. Vegetation of the Disturbed Terrain has been completely cleared, and are often landscaped and artificially drained

Lucas Heights (residual) - 9130lh (Chapman and Murphy, 1989)

The geology of the Lucas Heights soil landscape consists of Mittagong Formation, consisting of interbedded shale, laminite and fine to medium grained quartz sandstone, and is located stratigraphically between the Ashfield Shale and Hawkesbury Sandstone (Chapman and Murphy 1989). It is often relatively shallow. Minor areas of Hawkesbury Sandstone and minor areas of Ashfield Shale may occur.

Soils consist of moderately deep (50–150 cm), hardsetting Yellow Podzolic Soils and Yellow Soloths, Yellow Earths on outer edges. Limitations include stony soil, low soil fertility, low available water capacity. The soil landscape type vegetation consists of extensively cleared to completely cleared low, eucalypt open-forest and low eucalypt woodland with a sclerophyll shrub understorey

Gymea (erosional) - 9130gy (Chapman and Murphy, 1989)

Undulating to rolling and low hills with a local relief of 20-80m, slopes 10-25% and rock outcrops <25% underlain by Hawkesbury Sandstone. Geology comprised of medium to coarse-grained quartz sandstone with minor shale and laminite lenses. This landscape occurs extensively throughout the Hornsby Plateau and along the foreshores of Sydney Harbour, the Parramatta River and the Georges River.

Sandy soils which are moderately deep (<20-100 cm) are common throughout with localised Gleyed Podzolic Soils and Yellow Podzolic Soils on shale lenses. Limitations include localised steep slopes, high soil erosion hazard, rock outcrop, shallow highly permeable soil and very low soil fertility. The soil landscape vegetation originally consisted of dry sclerophyll woodland and open-forest, which has now been extensively cleared.

Glenorie (erosional) - 9130gn (Chapman and Murphy, 1989)

Undulating to rolling low hills with narrow ridges, hillcrests and valleys with a local relief of 50–80 m and slopes 5–20% underlain by Wianamatta Group shales. Geology inclusive of the Ashfield Shale formation, which is comprised of laminite and dark grey shale, and the Bringelly Shale formation, which consists of shale, calcareous claystone, laminate and fine to medium grained lithic-quartz sandstone. This soil landscape occurs north of the Parramatta River on the Hornsby Plateau in Baulkham Hills, Hornsby, Ku-ring-gai, and Ryde local government areas. Smaller isolated areas are at Condell Park, Hurstville, and on the Cumberland Lowlands at Rosehill.

Soils consist of shallow to moderately deep (<100 cm) Red Podzolic Soils on crests; moderately deep (70–150 cm) Red and Brown Podzolic Soils on upper slopes; deep (>200 cm) Yellow Podzolic Soils and Gleyed Podzolic Soils along drainage lines. Limitations include high soil erosion hazard, localised impermeable highly plastic soil, moderately reactive. The soil landscape vegetation originally consisted of tall open-forest (wet sclerophyll forests), which have now been extensively cleared.

Hawkesbury (colluvial) – 9130ha

Rugged, rolling to very steep hills on Hawkesbury Sandstone. Geology comprised of medium to coarse-grained quartz sandstone with minor shale and laminite lenses. This landscape occurs on slopes and ridges of the Macdonald Ranges, Hornsby Plateau and Hawkesbury Valleys with other examples occurring in Muogamarra Nature Reserve, Brisbane Water National Park and Ku-ring-gai Chase National Park. Within the metropolitan area, examples are found adjacent to Port Jackson, Georges River, Cowan Creek, Deep Creek and the upper reaches of the Lane Cove River.

Soils are shallow (>50 cm) and consist of discontinuous Lithosols/Siliceous Sands, Earthy Sands, Yellow Earths and some localised Yellow and Red Podzolic Soils. Limitations include extreme soil erosion hazards, steep slopes, rock outcrops, shallow, stony, highly permeable soils with low soil fertility. Vegetation is mostly uncleared open-woodland (dry sclerophyll) with pockets of tall open-forest (wet sclerophyll) and closed-forest (rainforest).

4.2.4 Karst, caves, crevices, cliffs, rocks and other geological features of significance

The Assessment Area has varying topography reaching a peak of approximately 90 m above sea level (asl) in the highly urbanised southwest region of the Assessment Area, decreasing to approximately 7 m asl at the banks of the Lane Cove River in the north-east region within the Lane Cove National Park (Google LLC, 2025).

The portion of the Lane Cove National Park (approximately 800 m from the Subject Land) that is covered by the Assessment Area is characterised by the Port Jackson Basin Mitchell Landscape (**Section 4.2.2**) and the Gymea (erosional) soil landscape (**Section 4.2.3**). These landscapes are broadly described as moderately

hilly with steep cliffed margins, slopes ranging 10-25%, commonly with rocky sandstone outcrops. It is therefore highly likely that this region of the Assessment Area may contain caves, crevices, cliffs, rocks and/or other geological features of significance (see **Plate 4-1** for landscape example).

The remainder of the Assessment Area is highly urbanised, and therefore any geological features of significance are unlikely to be present in the capacity that they could support habitat for wildlife.



Plate 4-1: Typical example of rocky outcrops within the Lane Cove National Park in the northern region of the Assessment Area. Source: Maurice Van Creijl, Lane Cove Valley Walk 2016. Google Maps Streetview.

4.2.5 Habitat connectivity

Fauna moves through habitats to obtain food, shelter and breeding resources in response to seasonal resource availability and habitat conditions. Large tracts of habitat are generally required for successful dispersal away from natal areas or seasonal migrations.

In the north-east of the Assessment Area, within the Lane Cove National Park, there is high connectivity along this vegetated corridor which may allow for movement of both agile and more sessile species due to the near continuous vegetation. However, there is almost zero means of connectivity between the National Park and the wider south-west region of Assessment Area as the National Park is bounded by major transport routes and highly urbanised areas.

Within the remaining south-west region of the Assessment Area, there are fragments of riparian corridor along the named and un-named tributaries of the Lane Cove River, in addition to patches of street trees, sporting fields (including a golf course) and parklands. The most significant stretch of riparian corridor runs for approximately 3.3 km south-west to north-east along Shrimpton's Creek. The northern-most section of this corridor is known as Wilga Park and is easily accessible from the Subject Land by crossing Cottonwood Crescent to the south-east. It is possible that some fauna may utilise this point to gain access to vegetation in Subject Land and the neighbouring Elouera Reserve. There are virtually zero instances of any other examples of near continuous vegetation in this region.

Overall, it is unlikely that less mobile species, including frogs, reptiles and small mammals are moving throughout the Assessment Area and between the Lane Cove National Park owing to the lack of continuous vegetation. There may be some movement by more urban-adaptive species (e.g. Brushtail Possums) along the smaller corridors, particularly the Shrimpton's Creek riparian corridor. Patchy vegetation and relative proximity to the Lane Cove National Park may allow for the movement of more mobile species, such as birds and bats, throughout the Assessment Area.

4.2.6 Rivers, streams, estuaries and wetlands

No mapped or unmapped rivers or streams occur within the Subject Land. 1st, 2nd and 5th order streams/rivers and their riparian buffers occur within the Assessment Area (**Figure 4-3**). Shrimpton's Creek is the closest stream to the Subject Land (80 m south-east) and has a 20 m riparian buffer. Mars Creek (1st order) is approximately 850 m northwest of the Subject Land and has a 10 m riparian buffer. Additionally, the Lane Cove River (5th+ order stream) occurs within the Assessment Area (approximately 900 m northeast) and is mapped as Key Fish Habitat and has a 40 m riparian buffer. Stormwater run-off from the Subject Land flows northwest towards Waterloo Road and Cottonwood Crescent and discharges into the Shrimpton's Creek catchment.

No wetlands are mapped within the Assessment Area. No Littoral Rainforests, or their proximity areas, are mapped within or adjacent to the Assessment Area.

4.2.7 Areas of Outstanding Biodiversity Value

Areas of Outstanding Biodiversity Value (AOBV) are declared under the BC Act to identify, highlight and effectively manage sites that make significant contributions to the persistence of biodiversity in New South Wales, Australia and globally. There are four AOBV in NSW (NSW DCCEEW, 2025a).

1. Gould's Petrel – critical habitat declaration
2. Little penguin population in Sydney's North Harbour – critical habitat declaration
3. Mitchell's Rainforest Snail in Stotts Island Nature Reserve – critical habitat declaration
4. Wollemi Pine – critical habitat declaration.

No registered AOBVs occur within the Assessment Area.

Figure 4-1: IBRA and Mitchell Landscapes

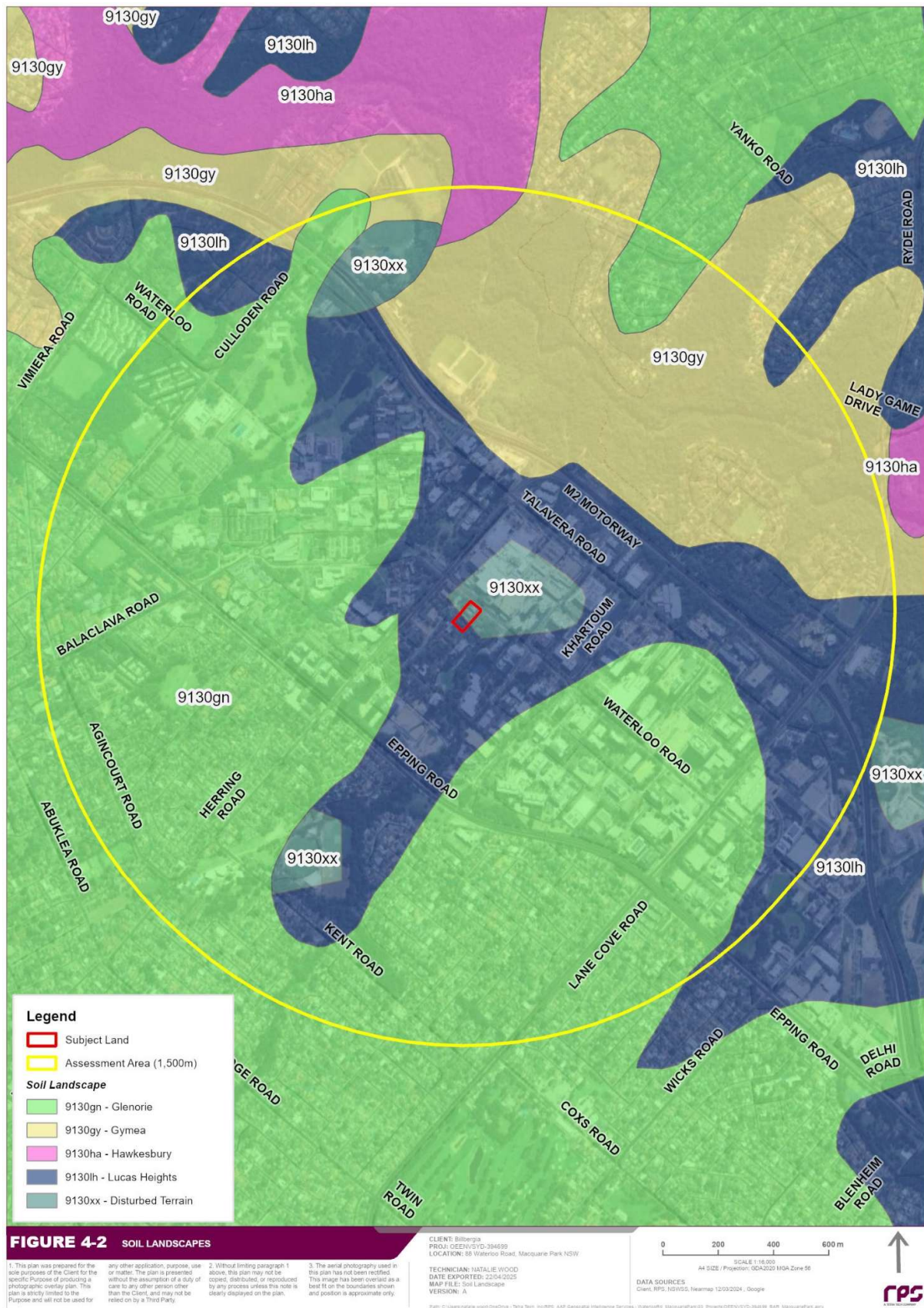


Figure 4-2: Soil landscapes

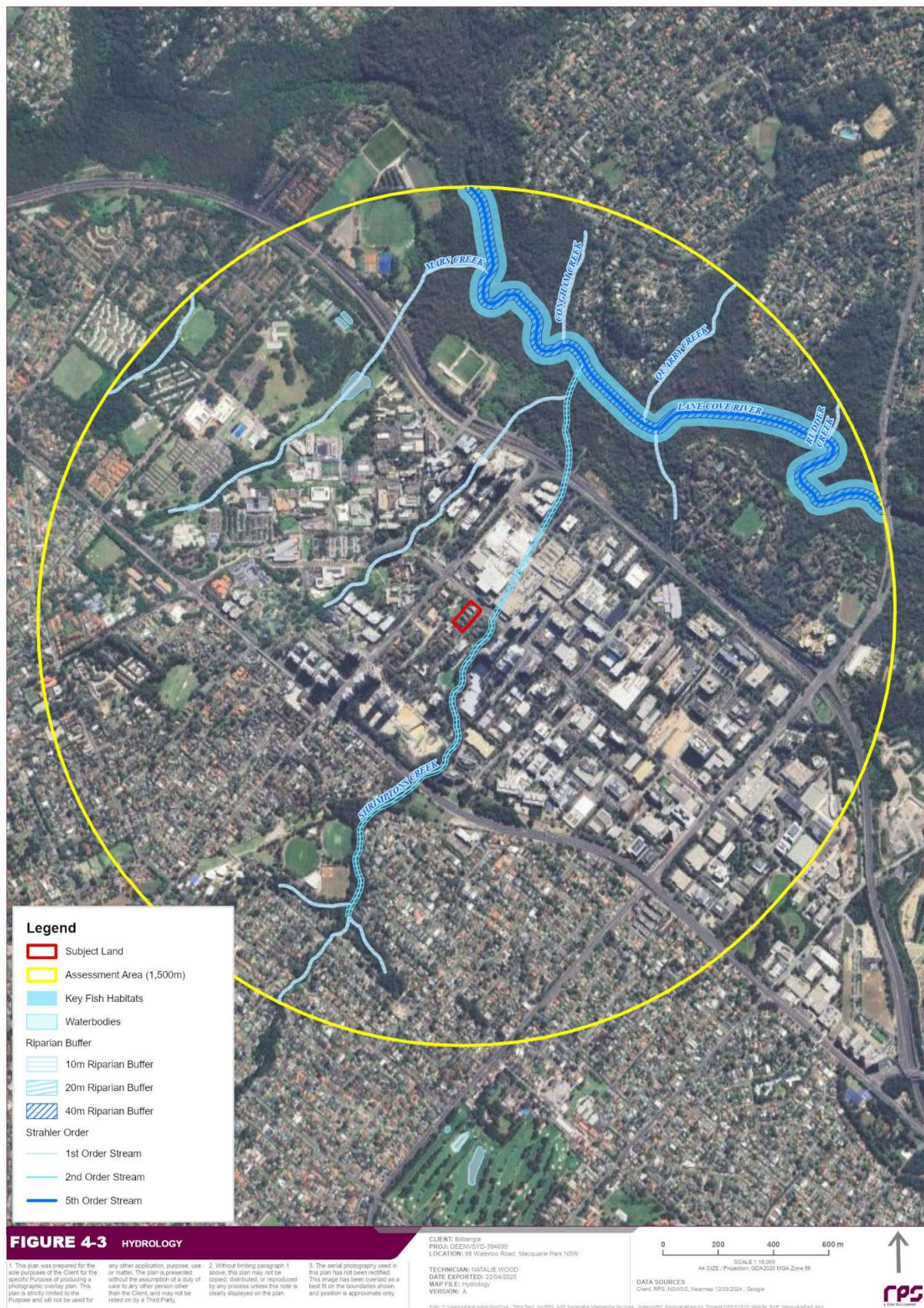


Figure 4-3: Hydrology and Key Fish Habitat

5 NATIVE VEGETATION, THREATENED ECOLOGICAL COMMUNITIES AND VEGETATION INTEGRITY

In accordance with Question 5 i. of Appendix D and Appendix L Table 28 of the BAM (DPE 2020a), this section is not required to be applied.

6 HABITAT SUITABILITY FOR THREATENED SPECIES

In accordance with Question 5 i. of Appendix D and Appendix L Table 28 of the BAM (NSW DPIE, 2020a) this section is not required to be applied. Instead, Appendix D.2 of the BAM applies; therefore, the assessor must assess the suitability of the planted native vegetation for use by threatened species and record any incidental sightings or evidence (e.g., scats, stick nests) of threatened species credit species (flora and fauna) using, inhabiting or being part of the planted native vegetation.

6.1 Flora

Species credit flora species derived from the BAM-C for PCT 3592 and PCT 3176 (pre-clearing PCT mapped within the Subject Land; (NSW DCCEEW, 2025d)) were determined in **Section 3.4.1**. These species are listed in **Table 6-1** with their BAM approved survey period (purple cells) and the month in which the site assessment was undertaken. Survey periods were determined from the Threatened Species Profile website and the BAM-C calculator (NSW DCCEEW, 2025b). Threatened flora species whose survey period coincided with the site assessment (September (RPS, 2024); **Table 6-1**) are marked with an 'X'.

None of the flora species whose survey period coincided with the site assessment were identified within the Subject Land and were not further assessed. Further assessment of the following species whose survey period did not coincide with the site assessment are presented in **Section 6.1.1**.

- *Acacia terminalis* subsp. *Eastern Sydney*
- *Callistemon linearifolius*
- *Deyeuxia appressa*
- *Genoplesium baueri*
- *Hibbertia puberula*
- *Hibbertia spanantha*
- *Leptospermum deanei*
- *Pimelea curviflora* var. *curviflora*.

Table 6-1: Species credit flora species assessed, including their BAM approved survey month (purple cells denote BAM approved survey period, black 'X' denotes timing of site assessment)

Species credit flora species	BAM approved survey month											
	Jan	Febr	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<i>Acacia prominens</i>									X			
<i>Acacia pubescens</i>									X			
<i>Acacia terminalis</i> subsp. <i>Eastern Sydney</i>									X			
<i>Callistemon linearifolius</i>									X			
<i>Darwinia biflora</i>									X			
<i>Deyeuxia appressa</i>									X			
<i>Diuris bracteata</i>									X			
<i>Epacris purpurascens</i> var. <i>purpurascens</i>									X			
<i>Eucalyptus camfieldii</i>									X			
<i>Genoplesium baueri</i>									X			
<i>Grevillea parviflora</i> subsp. <i>supplicans</i>									X			
<i>Haloragodendron lucasii</i>									X			
<i>Hibbertia puberula</i>									X			
<i>Hibbertia spanantha</i>									X			

Species credit flora species	BAM approved survey month											
	Jan	Febr	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<i>Hibbertia superans</i>									X			
<i>Kunzea rupestris</i>									X			
<i>Lasiopetalum joyceae</i>									X			
<i>Leptospermum deanei</i>									X			
<i>Melaleuca deanei</i>									X			
<i>Micromyrtus blakelyi</i>									X			
<i>Persoonia hirsuta</i>									X			
<i>Persoonia mollis</i> subsp. <i>maxima</i>									X			
<i>Pimelea curviflora</i> var. <i>curviflora</i>									X			
<i>Prostanthera askania</i>									X			
<i>Prostanthera marifolia</i>									X			
<i>Rhizanthella slateri</i>									X			
<i>Rhodamnia rubescens</i>									X			
<i>Tetradlea glandulosa</i>									X			
<i>Wahlenbergia multicaulis</i> - endangered population									X			
<i>Zieria involucrata</i>									X			

X denotes survey month

6.1.1 Further assessment

6.1.1.1 *Acacia terminalis* subsp. *Eastern Sydney* (Sunshine wattle)

Considered further: No

Acacia terminalis subsp. *Eastern Sydney* has a very limited distribution, mainly in near-coastal areas. It is found in coastal scrub and in dry sclerophyll woodland usually in sandy soil on creek banks, hillslopes or in shallow soil in rock crevices and sandstone platforms on cliffs (PlantNet, 2025).

Although the soils underlying part of the Subject Land are sandy in structure (see **Section 4.2.3**), it does not have the habitat features (i.e. rock crevices, sandstone platforms or creek beds) necessary for this species occurrence. Based on this information, it was therefore determined that this species is highly unlikely to inhabit part of the Subject Land and is not considered in the following sections of this report and no specific mitigation measures have been proposed.

6.1.1.2 *Callistemon linearifolius* (Netted bottle-brush)

Considered further: No

Callistemon linearifolius has a very limited distribution within the Sydney area, with only 5-6 populations remaining. All populations are in conservation areas: three in Ku-Ring-Gai Chase National Park, one in Lion Island Nature Reserve and one in Spectacle Island Nature Reserve (NSW OEH, 2025). This species grows in dry sclerophyll forest on the coast and adjacent ranges (PlantNet, 2025).

Although the pre-clearing vegetation within the Subject Land was listed as dry-sclerophyll forest (see **Section 3.4.1**), it is now highly disturbed terrain. The considerable dispersal distance from the existing populations also makes it very unlikely that *Callistemon linearifolius* exists in the Subject Land. Additionally, only one other species of *Callistemon* (*Callistemon viminalis*) was identified during the site assessment, which could not be mistaken for *Callistemon linearifolius* owing to distinctly different leaf shapes. Based on this information, it was therefore determined that this species is highly unlikely to inhabit part of the Subject Land and is not considered in the following sections of this report and no specific mitigation measures have been proposed.

6.1.1.3 *Deyeuxia appressa*

Considered further: No

An erect perennial grass to 0.9 m high. The species is highly restricted with no records of the species in the Sydney area since 1942. It is highly likely the species is now extinct in the wild due to habitat loss and urbanisation within its expected range (NSW OEH, 2025).

Given that this species has not been recorded in over 70 years, and the Subject Land (and surrounding landscape) have been extensively cleared during that late 1940's – early 1950's (refer to historical aerial imagery, **Section 1.3**), it is therefore extremely unlikely this species is inhabiting part of the Subject Land. This species is therefore not considered in the following sections of this report and no specific mitigation measures have been proposed.

6.1.1.4 *Genoplesium baueri*

Considered further: No

A terrestrial orchid 6-15 cm high, fleshy, brittle, yellowish-green or reddish in colour. Grows in sparse sclerophyll forest and moss gardens over sandstone. About half of the known records were collected before 1960 in Asquith, Cowan, Gladesville, Longueville and Wahroonga, however none have been made within recent years. The species has been recorded at locations now likely to be within the following conservation reserves: Berowra Valley Regional Park, Royal National Park and Lane Cove National Park (NSW OEH, 2004).

The Subject Land has been extensively cleared and is highly urbanised. The underlying geology consists of shales and siltstones (see **Section 4.2.3**), not sandstone which is listed as important for the species. Based on the information presented, it was therefore determined that this species is highly unlikely to inhabit part of the Subject Land and is not considered in the following sections of this report and no specific mitigation measures have been proposed.

6.1.1.5 *Hibbertia puberula*

Considered further: No

Species described as widespread, but never common. Range extending from the Wollemi National Park south to Morton National Park and the south coast near Nowra. Early records of the species include collections from the Hawkesbury River and Frenches Forest areas. The species typically favours dry sclerophyll woodland and low heath on sandy soils often associated with sandstone, or rarely in clay, with or without rocks underneath. It is noted that the species is likely to be more prevalent than current records suggest and is threatened by habitat loss and environmental and demographic fluctuations (NSW OEH, 2003, 2025).

The Subject Land has been extensively cleared and is highly urbanised. The underlying geology consists of shales and siltstones (see **Section 4.2.3**), not sandstone which is listed as important for the species. There were no other *Hibbertia* species identified on site, and the only other native shrub identified (*Philotheca myoporoides*; Long leafed wax flower) has a habit and appearance that could not be misidentified as *Hibbertia puberula* (RPS, 2024). Based on the information presented, it was therefore determined that it is highly unlikely that *Hibbertia puberula* is inhabiting part of the Subject Land and is not considered in the following sections of this report and no specific mitigation measures have been proposed.

6.1.1.6 *Hibbertia spanantha*

Considered further: No

Hibbertia spanantha is described as a wiry shrub, up to 30 cm high with bright yellow flowers. Highly restricted area of occupancy estimated to be 12 km² covering Turramurra, North Ryde and Cheltenham. Grows in forests with a canopy cover of *Eucalyptus pilularis*, *E. piperita*, *E. resinifera*, *Corymbia gummifera*, *Angophora costata* and *Syncarpia glomulifera* with an open understorey of *Poaceae*, *Orchidaceae*, *Fabaceae* and *Liliaceae*. Soil preference identified as a light clay occurring on a shale sandstone soil transition. Threats include competition with native and weed species, low population, changes to soil microclimate, restricted distribution and habitat loss (NSW OEH, 2025).

The Subject Land contains some habitat features suitable for the species, including the presence of some of the preferred canopy cover species (*Corymbia gummifera* and *Eucalyptus pilularis*, (RPS, 2024)) and an acceptable underlying geology (shales and siltstones in an area of shale-sandstone transition, **Section 4.2**). However, this species is highly restricted, prefers an in-tact, undisturbed understory and may be sensitive to changes in the soil microclimate. Based on the information presented and given that the Subject Land is within a highly disturbed landscape, it was therefore determined that *Hibbertia spanantha* is highly unlikely to inhabit part of the Subject Land and is not considered in the following sections of this report and no specific mitigation measures have been proposed.

6.1.1.7 *Leptospermum deanei* (syn. *Gaudium deanei*)

Considered further: No

Leptospermum deanei is a shrub growing up to 5 m high from the *Myrtaceae* family. The species occurs in Sydney’s north-western suburbs, along Lane Cove River, upper Middle Harbour Creek, Calna Creek, Marramarr Creek, Devlins Creek (Pennant Hills Park) and Galston Gorge. It grows in sandy alluvial soils and sand over sandstone on lower hill slopes and riparian zones. Associated vegetation communities include riparian shrubland, woodland and open forest (Cth DCCEEW, 2008). The BAM-C states that ‘*Waterbodies; or within 100 m of freshwater or estuarine streams*’ are essential habitat features that must be present for the species to occupy or periodically use the subject land (NSW DCCEEW, 2025b).

The Subject Land does not contain sandy alluvial soils (**Section 4.2**) and is not within a riparian zone or contain any waterbodies/streams within 100 m (**Figure 4-3**). The closest stream is Shrimpton Creek (80 m south-east). Based on the information presented and the BAM-C habitat restrictions, it was determined that *Leptospermum deanei* is highly unlikely to inhabit part of the Subject Land and is therefore not considered in the following sections of this report and no specific mitigation measures have been proposed.

6.1.1.8 *Pimelea curviflora* var. *curviflora*.

Considered further: No

Pimelea curviflora var. *curviflora* is a highly branched shrub 20-120 cm high with red to yellow flowers. Restricted to coastal areas of northern Sydney ranging from South Maroota to Kellyville. Occurs on sandstone and laterite soils and shale/sandstone transition soils on ridgetops and upper slopes amount woodlands. Often grows amongst dense grasses and sedges where it can be difficult to see owing to its fine and scraggly habit. Threats include habitat loss due to clearing, habitat degradation and competition with various woody and herbaceous species (NSW OEH, 2025).

The Subject Land may contain some habitat features suitable for its survival, namely the presence of shale/transition sandstone soil landscape (**Section 4.2.2**). However, the Subject Land is highly disturbed (and has been fully cleared since at least 1953), is devoid of dense grasses and sedges, and is not located on a ridgetop or upper slope, all habitat features important to this species. The Subject Land is also outside of the species known range. Despite the potential for this species to be a cryptic, it is unlikely that it would have been overlooked during the site investigation as the vegetated areas within the Subject Land are highly landscaped and visibility of species would not be impeded by overgrowth (see **Section 1.3** for site photographs). It was therefore determined that *Pimelea curviflora* var. *curviflora* is highly unlikely to inhabit part of the Subject Land and is not considered in the following sections of this report and no specific mitigation measures have been proposed.

6.2 Fauna

Potential habitat for threatened species identified during the site investigation (RPS, 2024) is presented in **Table 6-2**.

Table 6-2: Fauna habitat identified within the Subject Land

Habitat feature	Extent and condition within Subject Land
Hollow-bearing trees	Absent.
Flowering/seed bearing trees	Present.

Habitat feature	Extent and condition within Subject Land
	Eucalypts and exotic tree species were identified within the Subject Land, bearing fruit and seeds at various times of year. Flowering/seed bearing trees may provide suitable foraging habitat for a variety of native fauna. Flowering/seed bearing trees may provide suitable foraging habitat for a variety of native fauna, including threatened species such as Little Lorikeet (<i>Glossopsitta pusilla</i> , Vulnerable; BC Act), Turquoise Parrot (<i>Neophema pulchella</i> , Vulnerable; BC Act), Grey-headed Flying-fox (<i>Pteropus poliocephalus</i> , Vulnerable; BC Act and EPBC Act) and Gang-gang Cockatoo (<i>Callocephalon fimbriatum</i> , Vulnerable; BC Act).
Fruit bearing and flowering shrubs	Present. Seven species of flowering shrubs were identified, such as <i>Banksia integrifolia</i> , <i>Callistemon viminalis</i> and <i>Melaleuca quinquenervia</i> . Flowering shrubs may provide suitable foraging habitat for a variety of native fauna. Two species of fruit bearing tree was identified, <i>Phoenix canariensis</i> and <i>Brachychiton acerifolius</i> . Fruit may provide suitable foraging habitat for species such as the Grey-headed Flying-fox.
Dead wood including stags and ground logs	Absent.
Accumulations of leaf litter	Generally absent. Some Leaf litter accumulation amongst native/non-native vegetation in garden beds.
Weed thickets	Absent.
Bushrock and rocky outcrops	Absent.
Waterbodies such as wetlands, swales, streams, rivers and dams (Fish, Frog and Waterbird habitat)	Absent. The closest waterbody to the Subject Land is Shrimpton Creek, ~80 m to the south-east
Nests and roosts	Absent.
Distinctive scats (e.g., those of the Spotted-tailed Quoll or Koala)	Absent.
<i>Allocasuarina</i> spp.	Absent.
Flying-fox camps	Absent. 12 Flying Fox camps are mapped within 25 km (NSW DCCEEW, 2025e) of the Subject Land. The closest is approximately 5.5 km north-east of the Subject Land boundary in Killara. This camp was last surveyed in 2021 with 500-2500 individuals estimated present.
Microchiropteran bat subterranean roosts (caves, culverts, tunnels, bark fissures, and disused mine shafts)	Present. Although the buildings within the Subject Land are occupied, these may present potential roost sites for microbats. Decorticating bark within the Subject Land may be utilised as microbat roosts. No caves, tunnels, or disused mine shafts occur. Potential cliff habitat is located approximately 900 m north-east of the Subject Land in the Lane Cove National Park.
Winter-flowering eucalypts	Present. <i>Corymbia gummifera</i> , <i>Corymbia maculata</i> and <i>Eucalyptus pilularis</i> are identified within the Subject Land and have been recorded flowering in winter (CANBR, 2020). These may provide winter flowering foraging habitat for migratory and nomadic woodland bird species such as the Little Lorikeet (<i>Glossopsitta pusilla</i>), Regent Honey Eater (<i>Anthochaera phrygia</i>) and Swift Parrot (<i>Lathamus discolor</i>). However, the Subject Land is not mapped as important habitat for these species.
Mistletoes	Absent.
Koala feed trees	<i>Corymbia gummifera</i> , <i>Corymbia maculata</i> , <i>Eucalyptus botryoides</i> , <i>Eucalyptus pilularis</i> , <i>Eucalyptus punctata</i> and <i>Eucalyptus viminalis</i> occur within the Subject Land. These trees are listed as Koala use trees in Appendix C of the Koala (<i>Phascolarctos cinereus</i>) Biodiversity Assessment Method Survey Guide (NSW DPIE, 2022).

6.2.1 Habitat suitability

Habitat suitability was assessed for all ecosystem and species credit fauna species derived from **Section 3.5**. Initial suitability was assessed utilising the habitat and geographic constraints outlined in the BAM-C (displayed in **Table 6-3**). Remaining species underwent a likelihood of occurrence analysis based off habitat present within the Subject Land and species descriptions from the Threatened Biodiversity Profile Search (NSW OEH, 2025), as displayed in **Table 6-4**. Habitat requirements have been determined from the NSW Office of Environment and Heritage Threatened Biodiversity Profile Search (NSW OEH, 2025) for each species, and other sources where noted.

This BAM-C and subsequent likelihood of occurrence analyses assessments determined that following six species credit species likely have low-moderate suitable habitat within the planted native vegetation:

- Little Lorikeet (*Glossopsitta pusilla*)
- White-bellied Sea-Eagle (*Haliaeetus leucogaster*)
- Square-tailed Kite (*Lophoictinia isura*)
- Large Bent-winged Bat (*Miniopterus orianae oceanensis*)
- Grey-headed Flying-fox (*Pteropus poliocephalus*)
- Yellow-bellied Sheath-tail-bat (*Saccolaimus flaviventris*)

Habitat suitability for these species are addressed in further detail in **Section 6.2.2**.

Table 6-3: Suitability assessment for ecosystem and species credit fauna species via BAM-C constraints. Dual Credit Fauna Species are those that are listed under both Ecosystem as 'foraging' and Species as 'breeding'.

Scientific name	Common name	BAM-C habitat/geographic constraint	Included in further assessment?
Ecosystem Credit Fauna Species			
Aves			
<i>Artamus cyanopterus cyanopterus</i>	Dusky Woodswallow	N/A	Yes
<i>Climacteris picumnus victoriae</i>	Brown Treecreeper (eastern subspecies)	N/A	Yes
<i>Daphoenositta chrysoptera</i>	Varied Sittella	N/A	Yes
<i>Glossopsitta pusilla</i>	Little Lorikeet	N/A	Yes
<i>Hirundapus caudacutus</i>	White-throated Needletail	N/A	Yes
<i>Ixobrychus flavicollis</i>	Black Bittern	• Waterbodies: Land within 40 m of freshwater and estuarine wetlands, in areas of permanent water and dense vegetation	No – Subject Land not within 40 m of any wetland or in areas of permanent water or dense vegetation
<i>Melithreptus gularis gularis</i>	Black-chinned Honeyeater (eastern subspecies)	N/A	Yes
<i>Neophema pulchella</i>	Turquoise Parrot	N/A	Yes
<i>Petroica boodang</i>	Scarlet Robin	N/A	Yes
<i>Petroica phoenicea</i>	Flame Robin	N/A	Yes
Mammals			
<i>Dasyurus maculatus</i>	Spotted-tailed Quoll	N/A	Yes
<i>Falsistrellus tasmaniensis</i>	Eastern False Pipistrelle	N/A	Yes
<i>Micronomus norfolkensis</i>	Eastern Coastal Free-tailed Bat	N/A	Yes
<i>Petaurus australis</i>	Yellow-bellied Glider	N/A	Yes
<i>Phoniscus papuensis</i>	Golden-tipped Bat	N/A	Yes

Scientific name	Common name	BAM-C habitat/geographic constraint	Included in further assessment?
<i>Saccolaimus flaviventris</i>	Yellow-bellied Sheath-tail-bat	N/A	Yes
<i>Scoteanax rueppellii</i>	Greater Broad-nosed Bat	N/A	Yes
Reptiles			
<i>Varanus rosenbergi</i>	Rosenberg's Goanna	N/A	Yes
Species Credit Fauna Species			
Amphibians			
<i>Heleioporus australiacus</i>	Giant Burrowing Frog	N/A	Yes
<i>Litoria aurea</i>	Green and Golden Bell Frog	- Semi-permanent or ephemeral wet areas: Within 1km of wet areas - Swamps: Within 1 km of swamp - Waterbodies: Within 1 km of waterbody	Yes – Subject Land is approx. 80m away from Shrimpton Creek
<i>Mixophyes iteratus</i>	Giant Barred Frog	Land within 50 m of semi-permanent and permanent drainages	No – Closest semi-permanent and/or permanent drainages is 80m from Subject Land (Shrimptons Creek)
<i>Pseudophryne australis</i>	Red-crowned Toadlet	N/A	Yes
Aves			
<i>Burhinus grallarius</i>	Bush Stone-curlew	Fallen/standing dead timber including logs	No – no fallen/standing timber including logs identified within the Subject Land
<i>Nettapus coromandelianus</i>	Cotton Pygmy-Goose	Waterbodies; Deep permanent fresh waters on floodplains with floating and submergent vegetation	No – no deep, permanent fresh water on floodplains within the Subject Land
<i>Ninox connivens</i>	Barking Owl	Hollow bearing trees: Living or dead trees with hollows greater than 20 cm diameter and greater than 4 m above the ground	No – no trees with hollows identified within the Subject Land
<i>Ninox strenua</i>	Powerful Owl	Hollow bearing trees: Living or dead trees with hollow greater than 20 cm diameter and greater than 4 m above the ground	No – no trees with hollows identified within the Subject Land
<i>Pezoporus wallicus wallicus</i>	Eastern Ground Parrot	N/A	Yes
<i>Tyto novaehollandiae</i>	Masked Owl	Hollow bearing trees: Living or dead trees with hollow greater than 20 cm diameter and greater than 4 m above the ground	No – no trees with hollows identified within the Subject Land
Mammals			
<i>Cercartetus nanus</i>	Eastern Pygmy-possum	N/A	Yes
<i>Chalinolobus dwyeri</i>	Large-eared Pied Bat	Cliffs: Within 2 km of rocky areas containing caves, overhangs, escarpments, outcrops, or crevices, or	Yes – cliffs and rocky areas, occur within 2 km of the Subject Land within the Lane Cove National Park

Scientific name	Common name	BAM-C habitat/geographic constraint	Included in further assessment?
		within 2 km of old mines or tunnels	
<i>Isoodon obesulus obesulus</i>	Southern Brown Bandicoot (eastern)	Requires dense ground cover in a variety of habitats	No – groundcover is not dense within the Subject Land
<i>Myotis macropus</i>	Southern Myotis	Waterbodies; Waterbodies with permanent pools/stretches 3m or wider, including rivers, large creeks, billabongs, lagoons, estuaries, dams and other waterbodies, on or within 200m of the site	No – there are no waterbodies on or within 200 m of the Subject Land with permanent pools/stretches 3 m or wider.
<i>Notamacropus parma</i>	Parma Wallaby	N/A	Yes
<i>Perameles nasuta</i> (endangered population)	Long-nosed Bandicoot population in inner western Sydney	Marrickville, Canada Bay, Canterbury, Ashfield and Leichhardt LGAs	No – the Subject Land is not in the LGA's listed left
<i>Perameles nasuta</i> (endangered population)	Long-nosed Bandicoot, North Head	South of Addison Road Manly Headland, including Sydney Harbour National Park (north)	No – the Subject Land is not in the LGA's listed left
<i>Petauroides volans</i>	Southern Greater Glider	N/A	Yes
<i>Petaurus norfolcensis</i>	Squirrel Glider	N/A	Yes
<i>Petaurus norfolcensis</i> (endangered population)	Squirrel Glider on Barrenjoey Peninsula, north of Bushrangers Hill	Barrenjoey Peninsula	No – the Subject Land is not on the Barrenjoey Peninsula
<i>Phascolarctos cinereus</i>	Koala	Presence of koala use trees	Yes - Koala use trees were identified within the Subject Land
Molluscs			
<i>Meridolum maryae</i>	Maroubra Woodland Snail	N/A	Yes
<i>Pommerhelix duralensis</i>	Dural Land Snail	N/A	Yes
Dual Credit Fauna Species			
Aves			
<i>Callocephalon fimbriatum</i> (Foraging and Breeding)	Gang-gang Cockatoo	Foraging (ecosystem): N/A Breeding (species): Hollow bearing trees: Eucalypt tree species with hollows at least 3 m above the ground and with hollow diameter of 7 cm or larger (Breeding)	Foraging: Yes Breeding: No - no hollow bearing trees were identified within the Subject Land
<i>Calyptorhynchus lathami</i> (Foraging and Breeding)	Glossy Black-Cockatoo	- Presence of Allocasuarina and casuarina species Breeding (species): - Hollow bearing trees: Living or dead tree with hollows greater than 15 cm diameter and greater than 8 m above ground	Foraging: No – no Allocasuarina and casuarina species identified in the Subject Land Breeding: No - no hollow bearing trees were identified within the Subject Land
<i>Haliaeetus leucogaster</i>	White-bellied Sea-Eagle	Foraging (ecosystem):	Foraging:

Scientific name	Common name	BAM-C habitat/geographic constraint	Included in further assessment?
(Foraging and Breeding)		Waterbodies; Within 1km of a rivers, lakes, large dams or creeks, wetlands and coastlines	Yes – The Subject Land is approx. 900 m from the Lane Cover River
		Breeding (species): Living or dead mature trees within suitable vegetation within 1 km of a rivers, lakes, large dams or creeks, wetlands and coastlines	Breeding: No – no mature trees with suitable vegetation cover present in Subject Land. Subject Land also too disturbed to be a suitable nest location (NSW Scientific Committee, 2016)
<i>Hieraaetus morphnoides</i> (Foraging and Breeding)	Little Eagle	Foraging (ecosystem): N/A	Foraging: Yes
		Breeding (species): Nest trees - live (occasionally dead) large old trees within vegetation)	Breeding: No – no large old trees within vegetation identified within Subject Land
<i>Lathamus discolor</i> (Foraging and Breeding)	Swift Parrot	Foraging (ecosystem): N/A	Foraging: Yes
		Breeding (species): As per Important Habitat Map	Breeding: No – the Subject Land does not fall within the Important Habitat Map
<i>Lophoictinia isura</i> (Foraging and Breeding)	Square-tailed Kite	Foraging (ecosystem): N/A	Foraging: Yes
		Breeding (species): Nest trees	Breeding: No – the Subject Land does not contain suitable nest trees, and the surrounding landscape (vegetated, near to water) is inappropriate for nesting (BirdLife Australia, 2023)
<i>Pandion cristatus</i> (Foraging and Breeding)	Eastern Osprey	Foraging (ecosystem): N/A	Foraging: Yes
		Breeding (species): Presence of stick-nests in living and dead trees (>15 m) or artificial structures within 100 m of a floodplain for nesting)	Breeding: No - no nests or artificial nest structures were identified within the Subject Land
Mammals			
<i>Miniopterus australis</i> (Foraging and Breeding)	Little Bent-winged Bat	Foraging (ecosystem): N/A	Foraging: Yes
		Breeding (species): Caves; Cave, tunnel, mine, culvert or other structure known or suspected to be used for breeding including species records in BioNet with microhabitat code 'IC – in cave'; observation type code 'E nest-roost'; with numbers of individuals	Breeding: No – there are no known or suspected structures used for breeding in the Subject Land (NSW DCCEEW, 2025c)

Scientific name	Common name	BAM-C habitat/geographic constraint	Included in further assessment?
		>500; or from the scientific literature	
<i>Miniopterus orianae oceanensis</i> (Foraging and Breeding)	Large Bent-winged Bat	Foraging (ecosystem): N/A Breeding (species): Caves; Cave, tunnel, mine, culvert or other structure known or suspected to be used for breeding including species records with microhabitat code "IC - in cave;" observation type code "E nest-roost;" with numbers of individuals >500	Foraging: Yes Breeding: No – there are no known or suspected structures used for breeding in the Subject Land (NSW DCCEEW, 2025c)
<i>Pteropus poliocephalus</i> (Foraging and Breeding)	Grey-headed Flying-fox	Foraging (ecosystem): N/A Breeding (species): Breeding camps	Foraging: Yes Breeding: No – no breeding camps with the Subject Land, closest known breeding camp is 5.5 km north-east in Killara (Table 6-2)
Reptiles			
<i>Hoplocephalus bungaroides</i> (Foraging and Breeding)	Broad-headed Snake	Foraging (ecosystem): - N/A Breeding (species): - Rocky areas; Including escarpments, outcrops and pagodas within the Sydney Sandstone geologies	Foraging: Yes Breeding: No – no rocky areas (escarpments, outcrops, pagodas) identified within the Subject Land

Table 6-4: Assessment of habitat suitability for remaining ecosystem, species and dual credit fauna species.

Scientific name	Common name	Credit type	Foraging habitat present?	Breeding habitat present?	Habitat suitability
Amphibians					
<i>Heleioporus australiacus</i>	Giant Burrowing Frog	Species	Suboptimal – Subject Land within 300 m of freshwater habitat and prey items have potential to occur within the Subject Land (NPWS, 2001). However, the Subject Land unlikely to provide suitable foraging habitat given the disturbed urban setting.	No - no freshwater habitats occur within the Subject Land. Shrimpton's Creek is not suitable breeding habitat due to poor water quality (NPWS, 2001; Sydney Water, 2024).	Low
<i>Litoria aurea</i>	Green and Golden Bell Frog	Species	No – Subject Land does not contain marshes, dams and stream-sides, particularly those containing bullrushes for foraging	No – there are no freshwater and estuarine lakes or small temporary pools or depressions that occur within the Subject Land which are necessary for breeding.	Low
<i>Pseudophryne australis</i>	Red-crowned Toadlet	Species	No – the Subject Land does not contain periodically wet drainage lines below sandstone ridges that often have shale lenses or capping necessary for foraging and shelter.	No - no freshwater habitats occur within the Subject Land. Shrimpton's Creek is not suitable breeding habitat due to poor water quality (Sydney Water, 2024).	Low
Aves					
<i>Artamus cyanopterus cyanopterus</i>	Dusky Woodswallow	Ecosystem	Suboptimal – forages in an open native woodland with a sparse understory of acacias, eucalypt saplings and grasses. Primarily eats invertebrates. Some prey and habitat in the Subject Land may be suitable, however it is unlikely to be utilised given the fragmented, urban setting.	No – generally breeds west of the Great Dividing Range	Low
<i>Callocephalon fimbriatum</i>	Gang-gang Cockatoo	Dual	Suboptimal - potential feed trees occur within the Subject Land, however unlikely to provide suitable foraging habitat given the urban setting and fragmentation	N/A - excluded in Table 6-3	Low
<i>Climacteris picumnus victoriae</i>	Brown Treecreeper (eastern subspecies)	Ecosystem	No – this species forages in open eucalypt woodlands generally with a grassy understory (e.g. Cumberland Plain). Dry fallen timber is an important habitat component for foraging. The Subject Land does not contain fallen timber or have a dry grassy understory.	No - Hollows in standing dead or live trees and tree stumps are essential for nesting. No hollow bearing trees identified with the Subject Land.	Low

Scientific name	Common name	Credit type	Foraging habitat present?	Breeding habitat present?	Habitat suitability
<i>Daphoenositta chrysoptera</i>	Varied Sittella	Ecosystem	Suboptimal – feeds on arthropods gleaned from mature eucalypts. Sedentary species sensitive to fragmentation, habitat simplification and the dominance of Noisy Miners <i>Manorina melanocephala</i> in woodland patches. While potential foraging habitat has the potential to occur in the Subject Land, it is unlikely to be suitable given the urban setting and fragmentation.	Suboptimal – builds a cup-nest high in canopy. No nests were identified during site investigation. While potential breeding habitat has the potential to occur in the Subject Land, it is unlikely to be suitable given the urban setting and fragmentation.	Low
<i>Glossopsitta pusilla</i>	Little Lorikeet	Ecosystem	Yes – feeds on nectar and pollen in the tree canopy, particularly on profusely-flowering eucalypts. Known to feed in remnant woodland patches and roadside vegetation. Species has been observed in Cottonwood Park adjacent to the Subject Land (NSW DCCEEW, 2025c) (Figure 6-1).	No – Nests in hollows, usually in riparian habitat. No hollow bearing trees identified within the Subject Land	Moderate
<i>Haliaeetus leucogaster</i>	White-bellied Sea-Eagle	Dual	Yes - potential prey items occur within the Subject Land, and it is in proximity to the Lane Cove National Park, which is known habitat for this species.	N/A - excluded in Table 6-3	Low-moderate
<i>Hieraaetus morphnoides</i>	Little Eagle	Dual	Suboptimal - prey items have potential to occur within the Subject Land, however unlikely to provide suitable foraging habitat given the urban setting and fragmentation	N/A - excluded in Table 6-3	Low
<i>Hirundapus caudacutus</i>	White-throated Needletail	Ecosystem	No – species forages aerially	No - this species does not breed in Australia	Low
<i>Lathamus discolor</i>	Swift Parrot	Dual	Suboptimal – the Subject Land contains trees suitable for foraging namely <i>C. maculata</i> , <i>C. gummifera</i> and <i>E. pilularis</i> , however, the Subject Land is outside of Important Habitat mapping for this species	N/A - excluded in Table 6-3	Low
<i>Lophoictinia isura</i>	Square-tailed Kite	Dual	Yes – this species shows preference for hunting over open forests and picks prey from the canopy. Potential prey items may occur within the Subject Land, and it is in proximity to the Lane Cove National Park, which is known habitat for this species.	N/A - excluded in Table 6-3	Low-moderate

Scientific name	Common name	Credit type	Foraging habitat present?	Breeding habitat present?	Habitat suitability
<i>Melithreptus gularis gularis</i>	Black-chinned Honeyeater (eastern subspecies)	Ecosystem	No – forages for nectar in large woodland patches with dry open forest, rarely recorded east of the Great Dividing Range. The Subject Land does not contain suitable habitat and is too far east.	No – nesting habitat is river sheoaks, which are not in the Subject Land.	Low
<i>Neophema pulchella</i>	Turquoise Parrot	Ecosystem	No – forages on the ground for the seeds of grasses, herbaceous plants or vegetable matter in clearings and farmland. The Subject Land has maintained gardens and lawns, which would not be suitable for foraging.	No – Nests in tree hollows, logs or posts. No hollows identified within the Subject Land	Low
<i>Pandion cristatus</i>	Eastern Osprey	Dual	No – feeds on fish over clear, open water	N/A - excluded in Table 6-3	Low
<i>Petroica boodang</i>	Scarlet Robin	Ecosystem	No – feeds on insects they find on tree trunks, logs and on the ground. Abundant logs, fallen timber and leaf litter are important habitat components. The Subject Land lacks an abundance of logs, fallen timber and leaf litter and is therefore unlikely to provide suitable foraging habitat	No – species breeds in high altitude forests	Low
<i>Petroica phoenicea</i>	Flame Robin	Ecosystem	No – feeds on insects they find on tree trunks, logs and other coarse woody debris in dry forests, open woodlands, pastures and native grasslands on inland slopes and plains. Whilst the Subject Land may contain some prey items, the foraging habitat is not suitable.	No – species breeds in upland tall moist eucalypt forests and woodlands, often on ridges and slopes	Low
<i>Pezoporus wallicus wallicus</i>	Eastern Ground Parrot	Species	No – this species inhabits and forages in coastal and subcoastal heathland and sedgeland habitats, of which the Subject Land is not.	No – Eastern Ground Parrots nest in tall, coarse grass, sedge or shrubs. This habitat was not identified within the Subject Land.	Low
Mammals					
<i>Cercartetus nanus</i>	Eastern Pygmy-possum	Species	Suboptimal - potential feed trees occur within the Subject Land, however unlikely to provide suitable foraging habitat given the urban setting and fragmentation	No - no hollows, holes, dreys or thickets of vegetation were identified within the Subject Land which would support breeding	Low

Scientific name	Common name	Credit type	Foraging habitat present?	Breeding habitat present?	Habitat suitability
<i>Chalinolobus dwyeri</i>	Large-eared Pied Bat	Species	Suboptimal – this species is suspected to forage in insects in fertile valleys and plains, within tall woodland and along watercourses. It is dependent on the presence of diurnal roosts (e.g. caves) to be near foraging habitat. Whilst the Lane Cove National Park, and the adjacent Shrimpton's Creek may provide some foraging habitat, it is unlikely native vegetation in the Subject Land is suitable.	No - <i>Chalinolobus dwyeri</i> maternity roosts are in caves with a specific structure (arch caves with dome roofs). Caves do not occur with the Subject Land (Department of Environment and Resource Management, 2011)	Low
<i>Dasyurus maculatus</i>	Spotted-tailed Quoll	Ecosystem	Suboptimal - prey items (including gliders, rats, insects and birds) have potential to occur within the Subject Land, however unlikely to provide suitable foraging habitat given the urban setting and fragmentation	No - Spotted-tailed Quoll dens occur in hollow-bearing trees, caves or rock outcrops which were not identified within the Subject Land	Low
<i>Falsistrellus tasmaniensis</i>	Eastern False Pipistrelle	Ecosystem	No – prefers to forage in moist habitats. May forage in the adjacent Shrimpton's Creek riparian area but the habitat in the Subject Land is unsuitable	Suboptimal – generally roosts in tree hollows, may also roost under loose or in man-made structures. Little is known about maternity roost selection.	Low
<i>Micronomus norfolkensis</i>	Eastern Coastal Free-tailed Bat	Ecosystem	No – species forages in dry sclerophyll forest, woodland, swamp forests and mangrove forests. Habitat in the Subject Land does not match this description and is therefore unsuitable.	Suboptimal – generally roosts in tree hollows, may also roost under loose or in man-made structures. Little is known about maternity roost selection.	Low
<i>Miniopterus australis</i>	Little Bent-winged Bat	Dual	No – species forages beneath the canopy for insects in densely vegetated habitats. Suitable prey may be present, however habitat in the Subject Land does not match this description and is therefore unsuitable.	N/A - excluded in Table 6-3	Low
<i>Miniopterus orianae oceanensis</i>	Large Bent-winged Bat	Dual	Yes – forages for moths and other flying insects above tree tops. This species has also been identified using habitat directly adjacent to the Subject Land on multiple occasions (NSW DCCEEW, 2025c), (Figure 6-1) and was detected in Wiga Park during fauna surveys undertaken in 2018 (Applied Ecology, 2018)	N/A - excluded in Table 6-3	Moderate
<i>Notamacropus parma</i>	Parma Wallaby	Species	No – nocturnally feeds on grasses and herbs open eucalypt forest and the edges of	No – the Subject Land is outside of the species known range	Low

Scientific name	Common name	Credit type	Foraging habitat present?	Breeding habitat present?	Habitat suitability
			nearby grassy areas. Southern extent of range is Gosford. Habitat within the Subject Land is not suitable for foraging and is outside of its range.		
<i>Pteropus poliocephalus</i>	Grey-headed Flying-fox	Dual	Yes - potential feed trees occur within the Subject Land and this species is known to frequent urban environments	N/A - excluded in Table 6-3	Low-moderate
<i>Petaurus australis</i>	Yellow-bellied Glider	Ecosystem	Suboptimal - potential feed trees occur within the Subject Land, however unlikely to provide suitable foraging habitat given the urban setting and fragmentation	No – den in hollows of large trees. No hollows identified in Subject Land	Low
<i>Petauroides volans</i>	Southern Greater Glider	Species	Suboptimal - potential feed trees occur within the Subject Land, however unlikely to provide suitable foraging habitat given the urban setting and fragmentation	No – in hollows of large trees. No hollows identified in Subject Land	Low
<i>Petaurus norfolcensis</i>	Squirrel Glider	Species	No – This species inhabits Blackbutt-Bloodwood forest with heath understorey in coastal areas where it mainly feeds in acacias and eucalypts. Whilst potential feed trees occur in the Subject Land, the habitat is unsuitable.	No – this species requires abundant tree hollows for refuge and nest sites. No hollows identified in Subject Land	Low
<i>Phascolarctos cinereus</i>	Koala	Species	Suboptimal - potential feed trees occur within the Subject Land, however unlikely to provide suitable foraging habitat given the urban setting and fragmentation	Suboptimal - potential breeding trees occur within the Subject Land, however unlikely to provide suitable breeding habitat given the urban setting and fragmentation	Low - see Section 6.2.2.3
<i>Phoniscus papuensis</i>	Golden-tipped Bat	Ecosystem	No - forages in rainforest and sclerophyll forest. Habitat within the Subject Land does not match this description	No – roosts up to 450 m away from water sources within rainforest gullies	Low
<i>Saccolaimus flaviventris</i>	Yellow-bellied Sheath-tail-bat	Ecosystem	Yes – this species is a canopy feeder which forages for insects over a wide range of habitat including forests and open country. The canopy trees within the Subject Land may be suitable for foraging, and the urbanised area may attract an abundance of insects.	Suboptimal – will roost in tree hollows and buildings. The Subject Land contains buildings which have the potential to be used, however this is unlikely.	Low-moderate
<i>Scoteanax rueppellii</i>	Greater Broad-nosed Bat	Ecosystem	No – forages directly along creek lines and rivers for beetles and other large, slow-flying insects.	Suboptimal - usually roosts in tree hollows, has also been found in buildings. The Subject Land contains buildings which have	Low

Scientific name	Common name	Credit type	Foraging habitat present?	Breeding habitat present?	Habitat suitability
			The Subject Land does not contain creek lines or rivers.	the potential to be used, however this is unlikely.	
Molluscs					
<i>Meridolum maryae</i>	Maroubra Woodland Snail	Species	No – restricted distribution to a narrow band of coastline (NSW OEH, 2009)	No – restricted distribution to a narrow band of coastline (NSW OEH, 2009)	Low
<i>Pommerhelix duralensis</i>	Dural Land Snail	Species	Suboptimal - this species occurs within forested habitats that have good native cover and woody debris; none of which occur within the Subject Land	Suboptimal - this species occurs within forested habitats that have good native cover and woody debris; none of which occur within the Subject Land	Low
Reptiles					
<i>Hoplocephalus bungaroides</i>	Broad-headed Snake	Dual	No - largely confined to Triassic and Permian sandstones, shelters in rock crevices and under flat sandstone rocks on exposed cliff edges. The Subject Land does not contain suitable foraging habitat	N/A - excluded in Table 6-3	Low
<i>Varanus rosenbergi</i>	Rosenberg's Goanna	Ecosystem	No - this species is reliant on termite mounds as critical habitat, which were not identified within the Subject Land	No - this species lays eggs in termite mounds which were not identified within the Subject Land	Low

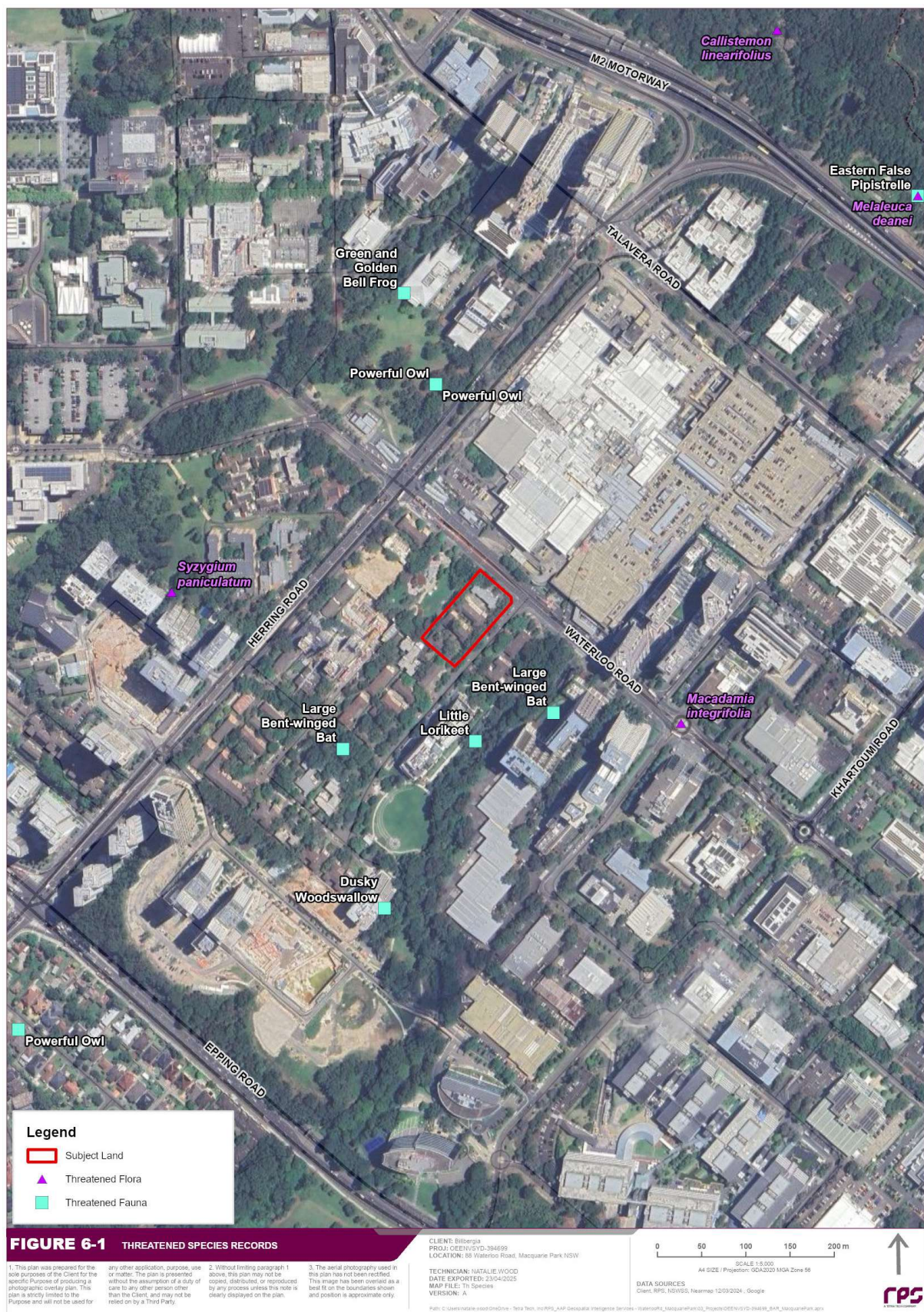


Figure 6-1: Threatened species recorded near to the Subject Land

6.2.2 Further assessment

6.2.2.1 Little Lorikeet (*Glossopsitta pusilla*) – moderate

Considered further: Yes

Little Lorikeets were identified as having moderate habitat suitability due the presence of potential feed trees, and their known occurrence in urbanised areas. While the site assessment did not detect this species within the Subject Land, they have been detected in adjacent vegetation within Wilga Park.

Whilst foraging habitat within the Subject Land is likely sub-optimal, and may only be used sporadically due to the fragmented and disturbed nature of the locality, impact mitigation measures have been introduced as a precaution (refer to **Section 8.1**).

6.2.2.2 Birds of prey – low-moderate

Considered further: No

Two threatened birds of prey were identified as having low-moderate habitat suitability within the Subject Land:

- White-bellied Sea-Eagle (*Haliaeetus leucogaster*)
- Square-tailed Kite (*Lophoictinia isura*).

The Subject Land contains open spaces which may provide habitat for urban-adapted prey items such as rats and possums. Although the proposed development will result in an overall reduction in open/paved spaces, prey items will likely remain, maintaining foraging opportunities for threatened birds of prey. There are no management, or mitigation measures applicable to these threatened species and no further assessment should be required.

6.2.2.3 Koala - low

Considered further: No

Koalas were identified as having low habitat suitability. Although the planted native vegetation comprises koala feed trees, this vegetation is highly fragmented and occurs within an urban environment. The presence of the koala within such an urbanised area is considered highly unlikely.

6.2.2.4 Mammals

Considered further: Yes

Three threatened mammal species were identified as having low-moderate or moderate habitat suitability within the Subject Land:

- Grey-headed Flying Fox (*Pteropus poliocephalus*) – low-moderate
- Large Bent-winged Bat (*Miniopterus orianae oceanensis*) – moderate
- Yellow-bellied Sheath-tail-bat (*Saccolaimus flaviventris*) – low-moderate

The Subject Land contains habitat and vegetation which may be suitable for foraging for insects, blossoms and fruits, namely the eucalyptus canopy trees and some exotic trees e.g. Canary Island Date Palm. Additionally, the large Bent-winged Bat and the Yellow-bellied Sheath-tail-bat are known to roost in man-made structures. Prior to construction of a future development, vacated buildings may provide roosting habitat for these two species.

While the site assessment did not detect any of these three species using habitat within the Subject Land, the habitat does have some features which may be used by these species and impact mitigation measures have been introduced as a precaution (refer to **Section 8.1**).

7 PRESCRIBED IMPACTS

Prescribed additional biodiversity impacts (prescribed impacts) are the impacts on biodiversity values which are not related to, or are in addition to, native vegetation clearing and habitat loss (per Section 6 of the BAM). Such prescribed impacts (including direct and indirect impacts) are impacts:

- a. On the habitat of threatened entities including:
 - i. Karst, caves, crevices, cliffs, rocks and other geological features of significance
 - ii. Human-made structures
 - iii. Non-native vegetation
- b. On areas connecting threatened species habitat, such as movement corridors
- c. That affect water quality, water bodies and hydrological processes that sustain threatened entities (including from subsidence or upsidence from underground mining)
- d. On threatened and protected animals from turbine strikes from a wind farm
- e. On threatened species or fauna that are part of a TEC from vehicle strikes.

Potential prescribed biodiversity impacts are detailed in **Table 7-1** below.

Table 7-1: Potential prescribed impacts

Feature	Present	Description of feature characteristics and location	Threatened entities that use, are likely to use, or are part of the habitat feature. Where relevant, threatened species or fauna that are part of a TEC or EC, that are at risk of vehicle strike
Karst, caves, crevices, cliffs, rocks or other geological features of significance	☐ Yes / ☒ No	N/A	N/A
Human-made structures	☒ Yes / ☐ No	Existing apartment buildings. Before any future development is undertaken, the existing apartment buildings will be vacated. The vacated buildings may provide roosting habitat for threatened microbat species that have a low-moderate potential of foraging in the Subject Land	Buildings: • Large Bent-winged Bat • Yellow-bellied Sheath-tail-bat
Non-native vegetation	☒ Yes / ☐ No	Exotic vegetation comprises numerous weed species and common landscaping species as listed in Appendix B . Some of these may provide foraging opportunities to threatened species that have a low-moderate potential of foraging in the Subject Land	• Little Lorikeet • Grey-headed Flying Fox
Habitat connectivity	☐ Yes / ☒ No	The Planted Native Vegetation within the Subject Land is not an extension of the adjacent Shrimpton's Creek riparian corridor	N/A
Waterbodies, water quality and hydrological processes	☐ Yes / ☒ No	The Subject Land does not intersect with waterbodies	N/A
Wind turbine strikes (wind farm development only)	☐ Yes / ☒ No	N/A	N/A

Feature	Present	Description of feature characteristics and location	Threatened entities that use, are likely to use, or are part of the habitat feature. Where relevant, threatened species or fauna that are part of a TEC or EC, that are at risk of vehicle strike
Vehicle strikes	☐ Yes / ☒ No	Any future development within the Subject Land will likely result in an increase in traffic movements to/from the Subject Land, particularly during construction stages and daytime hours. An increase in traffic movements may elevate the vehicle strike risk involving diurnal terrestrial mammals and low-flying birds. However, given the Subject Land and its surroundings are already highly urbanised, heavily disturbed, and fragmented – with existing arterial roads experiencing consistently high traffic volumes, the likelihood of an increase in vehicle strikes is for the Proposal is considered low.	N/A

**STAGE 2: IMPACT ASSESSMENT (BIODIVERSITY VALUES
AND PRESCRIBED IMPACTS)**



8 AVOID AND MINIMISE IMPACTS

8.1 Avoid and minimise direct, indirect and prescribed impacts

8.1.1 Proposed development location

The location of the Subject Land is within a highly urbanised and disturbed location. Historic use of the Subject Land suggests it has been within a disturbed context for at least 70 years (see historical photos, **Section 1.3**), and has been urbanised for majority of that. The strategic positioning of Subject Land within a densely urbanised context means any future development is already well serviced by public infrastructure (e.g. transport and commercial centres), negating the need for ancillary development if located more remotely. Whilst repositioning the Subject Land and any future developments to another location will mitigate all impacts as described for this specific site, it will likely result in similar impacts or greater being identified at the new location. Therefore, relocating the Subject Land is not recommended as an impact avoidance measure.

8.1.2 Proposed development design

Any future development design and DA should consider the following mitigation measures (as a minimum) to avoid and minimise impacts on biodiversity values:

- Strategic positioning of the future development footprint to maximise use of existing hardstand areas and/or areas which have been historically disturbed. If this is not entirely possible, utilise areas where the native vegetation or threatened species habitat is in the poorest condition
- Allow for the retention of a large portion of planted native vegetation, including mature canopy trees
- Landscaping design to incorporate flora species representative of the pre-clearing vegetation communities present within the Subject Land (PCT 3592: Sydney Coastal Enriched Sandstone Forest and/or PCT 3176: Sydney Enriched Sandstone Moist Forest)
- Incorporate actions and activities in the development design that provide for rehabilitation, ecological restoration and/or ongoing maintenance of retained areas of native vegetation, threatened species and their habitat within the Subject Land
- Development design to minimise the effects of any additional shadowing over the Shrimpton's Creek riparian corridor
- Construction timing to minimise the length of time existing structures are left vacant to reduce to risk of bats using them as roosting sites.

Overall, any future development within the Subject Land has the capacity to reduce impacts (i.e., avoid and minimise) on native vegetation and habitat by utilising existing cleared lands and retaining native vegetation wherever possible. Carefully considered landscaping of a future development has the potential to also yield a net improvement of the ecological condition of vegetation and biodiversity values within the Subject Land. Additionally, timing construction to minimise the length of time building are left vacant will reduce the risk of bats colonising the empty structures.

9 IMPACT ASSESSMENT

9.1 Direct impacts

9.1.1 Foraging habitat

Approximately 0.15 ha of planted native and exotic vegetation occurs within the Subject Land. Threatened fauna species that were determined to have a low-moderate or higher probability of utilising this vegetation for foraging (**Table 6-4**), and therefore may be impacted by its removal, are listed in **Table 9-1**.

Table 9-1: Threatened fauna species which may have suitable foraging habitat impacted by clearing vegetated in the Subject Land

Scientific Name	Common Name	Habitat Suitability
<i>Glossopsitta pusilla</i>	Little Lorikeet	Moderate
<i>Miniopterus orianae oceanensis</i>	Large Bent-winged Bat	Moderate
<i>Pteropus poliocephalus</i>	Grey-headed Flying-fox	Low-moderate
<i>Saccolaimus flaviventris</i>	Yellow-bellied Sheath-tail-bat	Low-moderate

9.1.2 Breeding

No potential breeding habitat for threatened species will be directly removed by a future development.

9.1.3 Matter of National Environmental Significance (MNES)

Low-moderate suitable foraging habitat may be removed by future development for one MNES (Cth DCCEE, 2025a), **Appendix C**.

- Grey-headed Flying-fox (*Pteropus poliocephalus*) – Vulnerable.

Assessments of Significant Impact Criteria were undertaken for the above listed threatened species (**Appendix B**), concluding a future development is highly unlikely to significantly impact on any MNES. As such, future development would not require referral under the EPBC Act.

9.2 Indirect impacts

Residual indirect impacts may occur on native vegetation, threatened entities and their habitats beyond the Subject Land as summarised in **Table 9-2**, per Section 8.2 of the BAM. Mitigation measures to minimise or mitigate these indirect impacts are detailed in **Section 8**.

Table 9-2: Potential indirect impacts

Indirect impact	Project phase	Nature and extent	Duration	Potentially impacted entities	Consequences
(a) inadvertent impacts on adjacent habitat or vegetation	Construction, operation	Vegetation and habitat directly adjacent to the Subject Land has the potential to experience ongoing indirect impacts as a result of any future development in the Subject Land. Habitat of particular interest includes the Shrimpton's Creek riparian corridor. Although adjacent vegetation and habitats are already quite disturbed given the urbanised location, future developments in the Subject Land have the potential to result in sedimentation and erosion, and mobilisation of contaminants within the Subject Land and into adjoining native vegetation and aquatic habitats, through soil disturbance and construction activities. Sediment laden runoff and spills affect water quality and adversely affect aquatic life. These impacts may begin once construction begins and could continue during operation.	Short term	• PCT 3176: Sydney Enriched Sandstone Moist Forest (Shrimpton's Creek Riparian Corridor) • Any threatened flora and fauna species utilising Shrimpton's Creek riparian corridor • Specific threatened fauna that may utilise the Subject Land: – Little Lorikeet – Large Bent-winged Bat – Grey-headed Flying-fox – Yellow-bellied Sheathtail-bat	Low Sedimentation and erosion and the mobilisation of contaminants resulting from soil disturbance and construction activities can be successfully minimised through appropriate mitigation measures at the DA and construction stages.
(b) reduced viability of adjacent habitat due to edge effects	Construction, operation	The following main factors and processes operate at a disturbed edge of an ecological community: • Microclimate (e.g., localised changes in temperature, wind, light, humidity) • Hydrology • Altered fire frequency and intensity • Invasion by exotic plant and animal species • Alteration of soil conditions (e.g., increased sedimentation and nutrient availability) • Alteration of vegetation structure (e.g., tree death and increased shrub densities).	Long term		Negligible Edge effects are not expected to be exacerbated in the immediate areas surrounding the Subject Land. The surrounding vegetation is already subject to edge effects given its location in a densely urbanised area. Any increases in edge effects may be minimised through appropriate mitigation measures at the DA Stage. This should include efforts to retain native vegetation where possible to buffer any residual impacts.
(c) reduced viability of adjacent habitat due to noise, dust or light spill	Construction, operation	An increase in noise is to be expected during construction and operation. As the Subject Land occurs in a highly urbanised area, any species roosting adjacent to the site during the day are likely adapted to such noises. It is not expected that construction would occur throughout the night, and as such would not impact nocturnal species that may utilise adjacent habitats. The operational phase of any future development may result in an increase in light spill into adjacent habitats. This is again	Short term		Negligible Nocturnal fauna are not expected be affected by construction noise or dust. It is unlikely they will be affected by any additional light spill given adaption to the urban environment. Diurnal fauna will likely be unaffected as they would

Indirect impact	Project phase	Nature and extent	Duration	Potentially impacted entities	Consequences
		unlikely to have a significant impact on nocturnal species as they are likely adapted to such disturbance. Construction and operation may increase dust in adjacent habitats. Dust can impact on a plant's ability to photosynthesise and may increase plant mortality in the adjacent vegetation. It is however not expected that this would have such an impact to decrease the viability of adjacent habitat.			be habituated to such impacts given the urbanised environment. Impacts from dust on nearby vegetation can be minimised through appropriate mitigation measures at the DA Stage and managed appropriately at the construction stage.
(d) transport of weeds and pathogens from the site to adjacent vegetation	Construction	The potential exists for the introduction of weeds through the use of earth moving equipment and access during construction; actions that may facilitate the spread of weeds into adjoining areas. Mitigation measures to be implemented during the construction and operational phases of any future construction works are recommended to manage and control the incidence and effect of noxious and environmental weeds on the receiving environment. There is potential for high threat weeds to benefit from construction works and, as such, the management of these species is appropriate for the purposes of lowering any indirect impacts on the adjoining environment. Additionally, the following Priority Weed for the Sydney Region was identified within the Subject Property: <i>Asparagus aethiopicus</i> (Ground Asparagus). This listed Priority Weed, as well as all other weeds should be bagged, removed from site and disposed of at a registered waste facility.	Short term		Low There is the potential for weeds to be transported and spread during construction works. Appropriate hygiene measures such as vehicle and equipment cleaning protocols are to be implemented to ensure that any future operations within the Subject Land do not contribute to the encouragement or spread weed species. All priority weeds onsite prior to any construction works should be bagged, removed from site and disposed of at a registered waste facility prior to construction commencing.
(e) increased risk of starvation, exposure and loss of shade or shelter	Construction, operation	It is highly unlikely that any threatened fauna would be exposed to increased risks from starvation, exposure, and loss of shade and shelter as a result of future development. No habitat is to be removed beyond the Subject Land, and disturbances from noise during construction and operation are unlikely to impact species post-construction.	Long term	N/A	Negligible It is unlikely that impacts will be significant as adjacent habitats will continue to provide resources for fauna. Vegetation removal will not fragment adjacent habitats in any way.
(f) loss of breeding habitats	Construction, operation	An increase in noise is to be expected during construction and operation. As such, there is potential for disturbance to breeding habitats directly adjacent to the Subject Land. Potential indirect impacts include increased light, noise and dust from construction and operation. It is considered unlikely	Long term	Any threatened fauna species utilising the surrounding habitat for breeding	Low Any impacts to threatened species adjacent to the Subject Land is expected to be localised and is highly unlikely to have an overall impact on the bioregional

Indirect impact	Project phase	Nature and extent	Duration	Potentially impacted entities	Consequences
		that future development will result in a loss of adjacent breeding habitats.			persistence of any threatened species
(g) trampling of threatened flora species	Operation	Concrete pedestrian paths currently exist through the adjacent reserves and connect to the Subject Land. It is therefore not expected that the risk of trampling in the adjacent reserves will increase as a result of either and construction or operation of future developments.	Long term	N/A	Negligible Trampling is not expected to increase due to a future Proposal
(h) inhibition of nitrogen fixation and increased soil salinity	Construction	It is unlikely that the inhibition of nitrogen fixation will affect vegetation adjacent to the Subject Land. Increased soil salinity is highly unlikely to result due to clearing of vegetation leading to the rising of the water table. Clearing will be limited to the Subject Land and as such is not expected to affect vegetation directly adjacent.		N/A	Negligible
(i) fertiliser drift	Construction, operation	Fertiliser may be used in landscaping works during future construction and operation phases. Drift can have indirect impacts on adjacent habitats by modifying species composition and altering water quality. Nutrifcation of waterways can increase the occurrence of algal blooms, causing anoxic conditions. Excess nutrients and algal blooms in Shrimpton's Creek due have the potential to spread further into the Lane Cover River, which is in a protected area. Fertiliser drift from the Subject Land during construction and operation therefore may pose a significant impact. Potential indirect impacts may be minimised through appropriate mitigation measures at the DA Stage and during operation.	Long term	• PCT 3176: Sydney Enriched Sandstone Moist Forest (Shrimpton's Creek Riparian Corridor) • Any threatened flora and fauna species utilising Shrimpton's Creek riparian corridor • Specific threatened fauna that may utilise the Subject Land: – Little Lorikeet – Large Bent-winged Bat – Grey-headed Flying-fox – Yellow-bellied Sheath-tail-bat • Aquatic habitats, TECs, ECs and PCTs associated with creeks and rivers beyond the scope of this report.	Moderate Fertiliser drift may increase the occurrence of algal blooms in Shrimpton's Creek, causing anoxic conditions. Excess nutrients and algal blooms may also spread into the Lane Cover River, of which Shrimpton's Creek is a tributary. Effects on vegetation composition and water quality can be minimised if mitigation measures are employed during construction and operational phases.
(j) rubbish dumping	Construction, operation	There is the possibility that rubbish dumping (including littering) in adjacent vegetation will increase during future construction and operation. The dumping/littering of food	Long term	• Threatened birds of prey	Low

Indirect impact	Project phase	Nature and extent	Duration	Potentially impacted entities	Consequences
		resources may provide an indirect food source (e.g. rodents), for native fauna including threatened species. However, this may also encourage invasive species into such habitats and increase the risk of vehicle strike to native fauna. This impact can be easily mitigated by the appropriate disposal of rubbish.			Inappropriate rubbish disposal, including of food waste, may attract both native and invasive fauna. This may increase the incidence of vehicle strikes on native fauna and invasive species infestation
(k) wood collection	N/A	Wood collection in the surrounding habitats and vegetated areas is likely non-existent or very minimal due to the urbanised environment and is not expected to increase due to any future development in the Subject Land.	Long term	N/A	Negligible Increases in wood collection extremely unlikely
(l) bush rock removal and disturbance	N/A	Bush rock removal in the surrounding habitats and vegetated areas is likely non-existent or very minimal due to the urbanised environment and is not expected to increase due to any future development in the Subject Land.	Long term	N/A	Negligible Increases in bush rock removal extremely unlikely
(m) increase in predatory species populations	N/A	Predatory species such as foxes and cats are likely to already inhabit areas within and surrounding the Subject Land. Future development is considered highly unlikely to exacerbate this given the highly urbanised locality.	Long term	N/A	Negligible Increases in predatory species highly unlikely
(n) increase in pest animal populations	N/A	Pest animal populations (e.g. foxes, feral cats) are likely to already inhabit areas within and surrounding the Subject Land. Future development is considered highly unlikely to exacerbate this given the highly urbanised locality.	Long term	N/A	Negligible Increases in pest fauna due highly unlikely
(o) increased risk of fire	N/A	It is not expected that future development will alter the bushfire risk of vegetation surrounding the Subject Land given the highly urbanised locality.	Long term	N/A	Negligible Increased risk of bushfire highly unlikely
(p) disturbance to specialist breeding and foraging habitat, e.g., beach nesting for shorebirds.	Construction, operation	Hollow bearing trees and other specialist habitat (e.g. caves, rocky outcrops) are highly likely to occur in the Lane Cove National Park. Hollow bearing trees may occur in Shrimpton's Creek Reserve. No hollow bearing trees were identified in the Subject Land. As future clearing will be limited to the Subject Land, all other specialist habitats will be retained outside of the Subject Land.	Long term	Threatened hollow-dwelling fauna	Negligible Any impacts to specialist habitat adjacent to the Subject Land, particularly in Shrimpton's Creek Reserve, is expected to be localised and will not have an overall impact on the bioregional persistence of threatened species.
(q) Shadowing of Shrimpton's	Construction, operation	Some overshadowing may occur.	Long term	PCT 3176: Sydney Enriched Sandstone Moist	Low-moderate The vegetation community is associated with mid-stratum,

Indirect impact	Project phase	Nature and extent	Duration	Potentially impacted entities	Consequences
Creek riparian area				Forest (Shrimpton's Creek Riparian Corridor) Any threatened flora and fauna species utilising this specific portion of Shrimpton's Creek riparian corridor	shrub and ground cover species that have a tolerance for shade. Canopy species have a tolerance for some partial shade. A hypothetical 205.5 m high building will likely shade some of Shrimpton's Creek riparian corridor. During the warmer months, shading will not affect the corridor. It is unlikely the existing vegetation will be significantly impacted. Established canopy trees may marginally slow in growth rate and/or reduce foliage cover. Any seedlings planted as part of revegetation efforts may struggle to establish in low light conditions.

9.3 Prescribed impacts

Prescribed impacts identified within the Subject Land (refer to **Section 7**) include:

- Human-made structures
- Non-native vegetation
- Vehicle strikes.

9.3.1 Human-made structures

The Subject Land contains human-made structures (i.e., apartment complexes) which may provide opportunistic roosting and foraging habitat for some microbat species. Although the structures are currently inhabited and in good condition, structures vacated prior to construction may provide roosting habitat for the following microbat species that may periodically forage in the Subject Land:

- Large Bent-winged Bat
- Yellow-bellied Shearwater

Mitigation measures outlined at the DA Stage may include timing construction works to minimise the length of time the buildings are left vacant and microbat pre-clearing surveys which may mitigate prescribed impacts associated with human-made structures.

9.3.2 Non-native vegetation

Two threatened species with suitable habitat within the Subject Land may rely on non-native vegetation as intermittent foraging sources, particularly in urban environments:

- Little Lorikeet
- Grey-headed Flying-fox

Exotic Vegetation within the Subject Land is comprised of ornamental exotic shrubs, groundcovers and occasional trees. Non-native vegetation within the Subject Land which may be foraged by these species is limited to occurrences of *Phoenix canariensis* (Canary Island Date Palm) and *Brachychiton acerifolius* (Illawarra Flame Tree). The removal of these individuals is highly unlikely to adversely affect the persistence of these threatened species and mitigation measures outlined in **Section 9.4** will further ameliorate potential prescribed impacts to non-native vegetation.

9.4 Mitigation and Management of Impacts

Table 9-3 provides recommended mitigation measures for minimising the direct and indirect impacts of future development on biodiversity values.

Table 9-3: Mitigation and management measures for residual impacts (direct, indirect and prescribed)

Impact	Mitigation measure	Timing and frequency	Responsibility
Indirect Inadvertent impacts on adjacent habitats	Access for future construction is to take place utilising existing cleared/exotic areas of the Subject Land. Temporary fencing should be erected around retained vegetation and suitable habitats. Exclusion zones should be set up at the limit of clearing in accordance with specifications provided in the project Construction Environmental Management Plan (CEMP). Sediment and erosion control is discussed further below.	Prior to and during construction	The Proponent and contractors
Direct; prescribed Removal of threatened	A suitably qualified Project Ecologist should be engaged prior to clearing works to undertake a pre-clearing inspection of the Subject Land. The pre-clearing inspection will include: • Targeted surveys for any new threatened species (with focus on threatened flora not previously surveyed)	Prior to commencement	The Proponent, contractors, Project Ecologist

Impact	Mitigation measure	Timing and frequency	Responsibility
species habitat and habitat features	• Microbat inspections of all human-made structures proposed for demolition • Demarcation of fauna habitat • Demarcation of Priority Weeds listed under the <i>Biosecurity Act 2015</i>.		
Human-made structures	Clearing of native vegetation and habitat to be kept to a minimum, with retention of the native canopy species within the Subject Land to be made a priority. If/when clearing does occur, a two-stage clearing protocol should be utilised under the supervision of a suitably qualified Project Ecologist. Stage 1 is intended to disturb the clearing area in order to encourage any resident fauna to leave prior to habitat removal. Stage 1 should be undertaken 24 hours prior to Stage 2 and involves: • Removal of non-fauna habitat • Demarcation of any fauna habitat • Mechanical 'knocking' of habitat trees (tree hollows/nests/intense foraging, i.e., with excavator). The Project Ecologist should be engaged to supervise Stage 2 of the vegetation clearing which involves: • Mechanical 'knocking' of habitat trees • Soft felling/clearing of any fauna habitat identified • Project Ecologist inspection of fauna habitat utilising flashlight and/or endoscopic camera • Relocating any displaced fauna to suitable habitat or transporting injured fauna to WIRES or veterinary care.	Prior to and during construction	The Proponent, contractors, Project Ecologist
	A procedure for unexpected threatened species finds is to be documented in the CEMP prior to commencement. This plan is to be followed if triggered through pre-clearance surveys.	Prior to and during construction	The Proponent and contractors
	<i>Australian Standard 4970 (2009) Protection of Trees on Development Sites</i> (AS-4970) outlines that a Tree Protection Zone (TPZ) is the principal means of protecting trees on construction sites. It is an area isolated from construction disturbance so that the tree remains viable. Ideally, works should be avoided within the TPZ. A Minor Encroachment is less than 10% of the TPZ and is outside the Structural Root Zone (SRZ). A Minor Encroachment is considered acceptable by AS-4970 when it is compensated for elsewhere and contiguous within the TPZ. A Major Encroachment is greater than 10% of the TPZ or inside the SRZ. Major Encroachments generally require root investigations undertaken by non-destructive methods or the use of tree sensitive construction methods. Tree protection fencing is to be installed around all trees proposed for retention within and surrounding the Subject Land.	Prior to and during construction	The Proponent and contractors
	Any woody debris (fallen trees and logs) within the Subject Land is to be relocated to areas of retained native vegetation within the greater Site Boundary.	Prior to and during construction	The Proponent and contractors
Direct and Prescribed	The removal of non-native and native vegetation may reduce some foraging habitat for threatened species potentially utilising the Subject Land. Although it is highly unlikely to affect the persistence of these threatened species in the region, future landscaping should incorporate native plantings suitable for forging. These species, and all landscaping within the Subject Land should be representative of the locally indigenous ecological communities: • PCT 3592: Sydney Coastal Enriched Sandstone Forest • PCT 3176: Sydney Enriched Sandstone Moist Forest	Construction	The Proponent and contractors
Removal of non-native vegetation			
Prescribed	Hygiene protocols should be implemented to prevent the spread of weeds or pathogens between infected and uninfected areas of the Subject Land and greater Site Boundary.	Construction and operation	The Proponent and contractors

Impact	Mitigation measure	Timing and frequency	Responsibility
Weeds and Pathogens	Priority Weeds, as well as all other weeds within the Subject Land should be bagged, removed from site and disposed of at a registered waste facility.		
Prescribed and indirect Erosion and sediment impacts	A site-specific Erosion and Sediment Control Plan is recommended detailing the measures and controls to be applied to minimise erosion and sediment control risks. These may include: runoff, diversion and drainage points; sediment basins and sumps; scour protection; stabilising disturbed areas as soon as possible, fencing and swales; and staged implementation arrangements. The Plan will also include arrangements for managing wet weather events, and working with high surface water levels, including monitoring of potential high-risk events (such as storms) and specific controls and follow-up measures to be applied in the event of wet weather.	Construction	The Proponent and contractors
Storage and stockpiling of materials	Any temporary structures required for construction, such as temporary facilities and laydown areas, must be located in areas away from native vegetation within cleared/exotic land. All fuels, chemicals and other hazardous materials must be stored in accordance with relevant Australian Standards and/or safety data sheets. Importing of soils from outside the site should be avoided where possible due to the potential of pathogen and weed introduction. Only weed-free material is to be reused during site rehabilitation. Appropriate hygiene measures such as vehicle and equipment cleaning protocols must be implemented to ensure that operations within the Subject Land do not contribute to the encouragement or spread of feral pest, disease or weed species.	Construction	The Proponent and contractors

10 REFERENCES

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Appendix A

Flora and fauna recorded within the Subject Land

Apx Table 1: Flora recorded within Subject Land

Family	Scientific Name	Common Name	BC Act	EPBC Act	Exotic
Sapindaceae	<i>Acer negundo</i>	Box Elder	-	-	*
Alliaceae	<i>Agapanthus praecox</i>		-	-	*
Myrtaceae	<i>Agonis flexuosa</i>		-	-	*
Asparagaceae	<i>Asparagus aethiopicus</i>	Asparagus Fern	-	-	*
Proteaceae	<i>Banksia integrifolia</i>	Coast Banksia	-	-	
Malvaceae	<i>Brachychiton acerifolius</i>	Illawarra Flame Tree	-	-	
Poaceae	<i>Bromus catharticus</i>	Praire Grass	-	-	*
Myrtaceae	<i>Callistemon viminalis</i>	Weeping Bottlebrush	-	-	
Poaceae	<i>Cenchrus clandestinus</i>	Kikuyu Grass	-	-	*
Caryophyllaceae	<i>Cerastium glomeratum</i>	Mouse-ear Chickweed	-	-	*
Anthericaceae	<i>Chlorophytum comosum</i>	Spider Plant	-	-	*
Verbenaceae	<i>Citharexylum spinosum</i>		-	-	*
Myrtaceae	<i>Corymbia gummifera</i>	Red Bloodwood	-	-	
Myrtaceae	<i>Corymbia maculata</i>	Spotted Gum	-	-	
Malaceae	<i>Cotoneaster glaucophyllus</i>		-	-	*
Crassulaceae	<i>Crassula Ovata</i>	Jade Plant	-	-	*
Poaceae	<i>Cynodon dactylon</i>	Common Couch	-	-	
Iridaceae	<i>Dietes bicolor</i>		-	-	*
Poaceae	<i>Ehrharta erecta</i>	Panic Veldtgrass	-	-	*
Myrtaceae	<i>Eucalyptus botryoides</i>	Bangalay	-	-	
Myrtaceae	<i>Eucalyptus pilularis</i>	Blackbutt	-	-	
Myrtaceae	<i>Eucalyptus punctata</i>	Grey Gum	-	-	
Myrtaceae	<i>Eucalyptus viminalis</i>	Ribbon Gum	-	-	
Proteaceae	<i>Hakea dactyloides</i>	Finger Hakea	-	-	
Araliaceae	<i>Hedera helix</i>	English Ivy	-	-	*
Asteraceae	<i>Hypochaeris glabra</i>	Smooth Catsear	-	-	*
Bignoniaceae	<i>Jacaranda mimosifolia</i>	Jacaranda	-	-	*
Cupressaceae	<i>Juniperus virginiana</i>		-	-	*
Myrtaceae	<i>Leptospermum petersonii</i>	Lemon-scented Teatree	-	-	
Myrtaceae	<i>Lophostemon confertus</i>	Brush Box	-	-	
Fabaceae (Faboideae)	<i>Medicago polymorpha</i>	Burr Medic	-	-	*
Myrtaceae	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	-	-	
Araceae	<i>Monstera deliciosa</i>	Fruit Salad Plant	-	-	*
Rutaceae	<i>Murraya paniculata</i>		-	-	*
Davalliaceae	<i>Nephrolepis cordifolia</i>	Fishbone Fern	-	-	
Passifloraceae	<i>Passiflora edulis</i>	Common Passionfruit	-	-	*
Rutaceae	<i>Philotheca myoporoides</i>	Long-leaf Wax Flower	-	-	
Arecaceae	<i>Phoenix canariensis</i>	Canary Island Date Palm	-	-	*
Malaceae	<i>Photinia serratifolia</i>	Chinese Photinia	-	-	*
Fagaceae	<i>Quercus robur</i>	English Oak	-	-	*
Malaceae	<i>Rhaphiolepis indica</i>	Indian Hawthorn	-	-	*

Family	Scientific Name	Common Name	BC Act	EPBC Act	Exotic
Asteraceae	<i>Sonchus oleraceus</i>	Common Sowthistle	-	-	*
Asteraceae	<i>Taraxacum officinale</i>	Dandelion	-	-	*
Fabaceae (Faboideae)	<i>Trifolium repens</i>	White Clover	-	-	*

Apx Table 2: Fauna recorded within Subject Land

Scientific Name	Common Name	BC Act	EPBC Act	Observation Type*
<i>Cacatua galerita</i>	Sulphur crested Cockatoo	P	-	w
<i>Cacatua hybrid</i>	Galah/Pink Cockatoo	P	-	o
<i>Dacelo novaeguineae</i>	Laughing Kookaburra	P	-	w
<i>Gymnorhina tibicen</i>	Australian Magpie	P	-	o
<i>Manorina melanocephala</i>	Noisy Miner	P	-	w
<i>Trichoglossus haematodus</i>	Rainbow Lorikeet	P	-	o

*Observation Type: O = Observed; W = Heard Call.

P = Protected

Appendix B

Assessment of Significant Impact Criteria

Assessments of Significant Impact Criteria under the EPBC Act are provided below for threatened species with low-moderate suitable habitat within the Subject Land.

Vulnerable Fauna

- Grey-headed Flying-fox (*Pteropus poliocephalus*).

Assessment of Significant Impact Criteria: Grey-headed Flying-fox

Commonwealth assessments – Vulnerable fauna species

Lead to a long-term decrease in the size of an important population of a species

Any future proposed development will involve the removal of approximately 0.15 ha of potential foraging habitat for the Grey-headed Flying-fox, limited to sporadic use. No breeding habitat is proposed for impact as no breeding camps occur. Such minor impacts to sporadic potential foraging habitat are highly unlikely to influence the size and functioning of an important population. Therefore, any future proposed development is highly unlikely to lead to a long-term decrease in the size of an important population of this species.

Reduce the area of occupancy of the species

Any future proposed development is likely to result in a negligible reduction in the area of occupancy for the Grey-headed Flying-fox given the relatively small area of impact in comparison to the suitable foraging habitat in the surrounding region.

Fragment an existing population into two or more populations

Any future proposed development is unlikely to further fragment or isolate the habitat of this species, as the Subject Land exists in a highly fragmented landscape. Vegetation in the Subject Land does not form part of an existing corridor.

Adversely affect habitat critical to the survival of an important population

Any future proposed development is unlikely to affect habitat critical to the survival of this species as it is limited to sporadic potential foraging habitat, with no breeding habitat to be impacted.

Disrupt the breeding cycle of a population

No breeding habitat is proposed to be impacted by a future development. Therefore, any potential future development is unlikely to disrupt the breeding cycle of a population.

Modify, destroy, remove or isolate or decrease the availability or quality of habitat to the extent that the species is likely to decline

Any future proposed development will involve the clearing of approximately 0.15 ha of potential foraging habitat for the Grey-headed Flying-fox, limited to sporadic use. This is considered highly unlikely to contribute to a decline in the species, particularly considering the lack of breeding habitat within the Subject Land.

Result in invasive species that are harmful to vulnerable species becoming established in the vulnerable species' habitat

There is potential for construction works to import weed species that are harmful to these species, however, the Subject Land already exhibits pest species such as cats. Any future proposed development is not likely to exacerbate the impacts of this existing invasive species.

Introduce disease that may cause the species to decline

Any future proposed development is not expected to introduce a disease harmful to this threatened species.

Interfere with the recovery of the species

The *National Recovery Plan for the Grey-headed Flying-fox* (Cth DAWE, 2021) lists the following recovery objective: Identify, protect and increase native foraging habitat that is critical to the survival of the Grey-headed Flying-fox. Although any proposed development will likely involve the clearing of vegetation which may provide suitable foraging resources for this species, the small impact area is not considered to be critical habitat. As such, the proposed development is not considered to interfere with the recovery of either species.

CONCLUSION

Any future proposed development is not likely to substantially reduce the extent or fragment any populations of the threatened species. Habitat critical to the survival of the threatened species would not be adversely affected by a proposed development. Any future proposed development will not interfere with the recovery of the threatened species.

Commonwealth assessments – Vulnerable fauna species

On this basis, it is considered that any future proposed development is not likely to have a significant impact on a Commonwealth listed Grey-headed Flying-fox, therefore referral to the Minister is not required.

Appendix C

EPBC Protected Matters Search



Australian Government

Department of Climate Change, Energy,
the Environment and Water

EPBC Act Protected Matters Report

This report provides general guidance on matters of national environmental significance and other matters protected by the EPBC Act in the area you have selected. Please see the caveat for interpretation of information provided here.

Report created: 17-Apr-2025

[Summary](#)

[Details](#)

[Matters of NES](#)

[Other Matters Protected by the EPBC Act](#)

[Extra Information](#)

[Caveat](#)

[Acknowledgements](#)

Summary

Matters of National Environment Significance

This part of the report summarises the matters of national environmental significance that may occur in, or may relate to, the area you nominated. Further information is available in the detail part of the report, which can be accessed by scrolling or following the links below. If you are proposing to undertake an activity that may have a significant impact on one or more matters of national environmental significance then you should consider the [Administrative Guidelines on Significance](#).

World Heritage Properties:	1
National Heritage Places:	2
Wetlands of International Importance (Ramsar	None
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	12
Listed Threatened Species:	111
Listed Migratory Species:	59

Other Matters Protected by the EPBC Act

This part of the report summarises other matters protected under the Act that may relate to the area you nominated. Approval may be required for a proposed activity that significantly affects the environment on Commonwealth land, when the action is outside the Commonwealth land, or the environment anywhere when the action is taken on Commonwealth land. Approval may also be required for the Commonwealth or Commonwealth agencies proposing to take an action that is likely to have a significant impact on the environment anywhere.

The EPBC Act protects the environment on Commonwealth land, the environment from the actions taken on Commonwealth land, and the environment from actions taken by Commonwealth agencies. As heritage values of a place are part of the 'environment', these aspects of the EPBC Act protect the Commonwealth Heritage values of a Commonwealth Heritage place. Information on the new heritage laws can be found at <https://www.dcceew.gov.au/parks-heritage/heritage>

A [permit](#) may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Lands:	1087
Commonwealth Heritage Places:	14
Listed Marine Species:	70
Whales and Other Cetaceans:	3
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Australian Marine Parks:	None
Habitat Critical to the Survival of Marine Turtles:	None

Extra Information

This part of the report provides information that may also be relevant to the area you have

State and Territory Reserves:	11
Regional Forest Agreements:	None
Nationally Important Wetlands:	2
EPBC Act Referrals:	60
Key Ecological Features (Marine):	None
Biologically Important Areas:	None
Bioregional Assessments:	1
Geological and Bioregional Assessments:	None

Details

Matters of National Environmental Significance

World Heritage Properties		[Resource Information]	
Name	State	Legal Status	Buffer Status
Australian Convict Sites (Cockatoo Island Convict Site)	NSW	Declared property	In buffer area only

National Heritage Places		[Resource Information]	
Name	State	Legal Status	Buffer Status
Historic			
Cockatoo Island	NSW	Listed place	In buffer area only
Natural			
Ku-ring-gai Chase National Park, Lion, Long and Spectacle Island Nature Reserves	NSW	Listed place	In buffer area only

Listed Threatened Ecological Communities	[Resource Information]
For threatened ecological communities where the distribution is well known, maps are derived from recovery plans, State vegetation maps, remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.	
Status of Vulnerable, Disallowed and Ineligible are not MNES under the EPBC Act.	

Community Name	Threatened Category	Presence Text	Buffer Status
Blue Gum High Forest of the Sydney Basin Bioregion	Critically Endangered	Community likely to occur within area	In buffer area only
Castlereagh Scribbly Gum and Agnes Banks Woodlands of the Sydney Basin Bioregion	Endangered	Community may occurIn feature area within area	
Coastal Swamp Oak (Casuarina glauca) Forest of New South Wales and South East Queensland ecological community	Endangered	Community likely to occur within area	In feature area
Coastal Swamp Sclerophyll Forest of New South Wales and South East Queensland	Endangered	Community may occurIn feature area within area	
Coastal Upland Swamps in the Sydney Basin Bioregion	Endangered	Community likely to occur within area	In feature area
Cooks River/Castlereagh Ironbark Forest of the Sydney Basin Bioregion	Critically Endangered	Community likely to occur within area	In feature area
Eastern Suburbs Banksia Scrub of the Sydney Region	Critically Endangered	Community may occurIn buffer area within area	only

Community Name	Threatened Category	Presence Text	Buffer Status
River-flat eucalypt forest on coastal floodplains of southern New South Wales and eastern Victoria	Critically Endangered	Community likely to occur within area	In feature area
Shale Sandstone Transition Forest of the Sydney Basin Bioregion	Critically Endangered	Community likely to occur within area	In feature area
Subtropical and Temperate Coastal Saltmarsh	Vulnerable	Community likely to occur within area	In buffer area only
Turpentine-Ironbark Forest of the Sydney Basin Bioregion	Critically Endangered	Community likely to occur within area	In feature area
Western Sydney Dry Rainforest and Moist Woodland on Shale	Critically Endangered	Community likely to occur within area	In feature area

Listed Threatened Species

[[Resource Information](#)]

Status of Conservation Dependent and Extinct are not MNES under the EPBC Act.
Number is the current name ID.

Scientific Name	Threatened Category	Presence Text	Buffer Status
BIRD			
Anthochaera phrygia Regent Honeyeater [82338]	Critically Endangered	Species or species habitat known to occur within area	In feature area
Ardenna grisea Sooty Shearwater [82651]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only
Arenaria interpres Ruddy Turnstone [872]	Vulnerable	Foraging, feeding or related behaviour known to occur within area	In buffer area only
Botaurus poiciloptilus Australasian Bittern [1001]	Endangered	Species or species habitat known to occur within area	In feature area
Calidris acuminata Sharp-tailed Sandpiper [874]	Vulnerable	Foraging, feeding or related behaviour known to occur within area	In feature area
Calidris canutus Red Knot, Knot [855]	Vulnerable	Species or species habitat known to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat known to occur within area	In feature area
Calidris tenuirostris Great Knot [862]	Vulnerable	Foraging, feeding or related behaviour known to occur within area	In buffer area only
Callocephalon fimbriatum Gang-gang Cockatoo [768]	Endangered	Species or species habitat known to occur within area	In feature area
Calyptorhynchus lathami lathami South-eastern Glossy Black-Cockatoo [67036]	Vulnerable	Species or species habitat known to occur within area	In feature area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Charadrius mongolus Lesser Sand Plover, Mongolian Plover [879]	Endangered	Foraging, feeding or related behaviour known to occur within area	In buffer area only
Climacteris picumnus victoriae Brown Treecreeper (south-eastern) [67062]	Vulnerable	Species or species habitat known to occur within area	In feature area
Dasyornis brachypterus Eastern Bristlebird [533]	Endangered	Species or species habitat may occur within area	In feature area
Diomedea antipodensis Antipodean Albatross [64458]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In buffer area only
Diomedea antipodensis gibsoni Gibson's Albatross [82270]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Diomedea epomophora Southern Royal Albatross [89221]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In buffer area only
Diomedea exulans Wandering Albatross [89223]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In buffer area only
Diomedea sanfordi Northern Royal Albatross [64456]	Endangered	Species or species habitat may occur within area	In buffer area only
Erythrotriorchis radiatus Red Goshawk [942]	Endangered	Species or species habitat may occur within area	In feature area
Falco hypoleucos Grey Falcon [929]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]	Vulnerable	Species or species habitat known to occur within area	In feature area
Grantiella picta Painted Honeyeater [470]	Vulnerable	Species or species habitat known to occur within area	In feature area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area	In feature area
Lathamus discolor Swift Parrot [744]	Critically Endangered	Species or species habitat known to occur within area	In feature area
Limosa lapponica baueri Nunivak Bar-tailed Godwit, Western Alaskan Bar-tailed Godwit [86380]	Endangered	Species or species habitat known to occur within area	In buffer area only
Limosa limosa Black-tailed Godwit [845]	Endangered	Foraging, feeding or related behaviour known to occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area	In buffer area only
Macronectes halli Northern Giant Petrel [1061]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In buffer area only
Melanodryas cucullata cucullata South-eastern Hooded Robin, Hooded Robin (south-eastern) [67093]	Endangered	Species or species habitat likely to occur within area	In feature area
Neophema chrysostoma Blue-winged Parrot [726]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat known to occur within area	In feature area
Pachyptila turtur subantarctica Fairy Prion (southern) [64445]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Pycnoptilus floccosus Pilotbird [525]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Rostratula australis Australian Painted Snipe [77037]	Endangered	Species or species habitat known to occur within area	In feature area
Stagonopleura guttata Diamond Firetail [59398]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Sternula nereis nereis Australian Fairy Tern [82950]	Vulnerable	Breeding likely to occur within area	In buffer area only
Thalassarche bulleri Buller's Albatross, Pacific Albatross [64460]	Vulnerable	Species or species habitat may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Thalassarche bulleri platei Northern Buller's Albatross, Pacific Albatross [82273]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche cauta Shy Albatross [89224]	Endangered	Foraging, feeding or related behaviour likely to occur within area	In buffer area only
Thalassarche eremita Chatham Albatross [64457]	Endangered	Foraging, feeding or related behaviour may occur within area	In buffer area only
Thalassarche impavida Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche melanophris Black-browed Albatross [66472]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In buffer area only
Thalassarche salvini Salvin's Albatross [64463]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In buffer area only
Thalassarche steadi White-capped Albatross [64462]	Vulnerable	Foraging, feeding or related behaviour known to occur within area	In buffer area only
Tringa nebularia Common Greenshank, Greenshank [832]	Endangered	Species or species habitat known to occur within area	In feature area
FISH			
Epinephelus daemeli Black Rockcod, Black Cod, Saddled Rockcod [68449]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only
Macquaria australasica Macquarie Perch [66632]	Endangered	Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Prototroctes maraena Australian Grayling [26179]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Seriolella brama Blue Warehou [69374]	Conservation Dependent	Species or species habitat known to occur within area	In buffer area only
FROG			
Heleioporus australiacus australiacus Giant Burrowing Frog, Eastern Owl Frog [92013]	Endangered	Species or species habitat known to occur within area	In feature area
Litoria aurea Green and Golden Bell Frog [1870]	Vulnerable	Species or species habitat known to occur within area	In feature area
Mixophyes balbus Stuttering Frog, Southern Barred Frog (in Victoria) [1942]	Vulnerable	Species or species habitat likely to occur within area	In feature area
MAMMAL			
Chalinolobus dwyeri Large-eared Pied Bat, Large Pied Bat [183]	Endangered	Species or species habitat known to occur within area	In feature area
Dasyurus maculatus maculatus (SE mainland population) Spot-tailed Quoll, Spotted-tail Quoll, Tiger Quoll (southeastern mainland population) [75184]	Endangered	Species or species habitat known to occur within area	In feature area
Isoodon obesulus obesulus Southern Brown Bandicoot (eastern), Southern Brown Bandicoot (south-eastern) [68050]	Endangered	Species or species habitat known to occur within area	In feature area
Notamacropus parma Parma Wallaby [89289]	Vulnerable	Species or species habitat may occur within area	In feature area
Petauroides volans Greater Glider (southern and central) [254]	Endangered	Species or species habitat known to occur within area	In feature area
Petaurus australis australis Yellow-bellied Glider (south-eastern) [87600]	Vulnerable	Species or species habitat likely to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Petrogale penicillata Brush-tailed Rock-wallaby [225]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Phascolarctos cinereus (combined populations of Qld, NSW and the ACT) Koala (combined populations of Queensland, New South Wales and the Australian Capital Territory) [85104]	Endangered	Species or species habitat known to occur within area	In feature area
Pseudomys novaehollandiae New Holland Mouse, Pookila [96]	Vulnerable	Species or species habitat known to occur within area	In feature area
Pteropus poliocephalus Grey-headed Flying-fox [186]	Vulnerable	Roosting known to occur within area	In feature area
PLANT			
Acacia bynoeana Bynoe's Wattle, Tiny Wattle [8575]	Vulnerable	Species or species habitat known to occur within area	In feature area
Acacia pubescens Downy Wattle, Hairy Stemmed Wattle [18800]	Vulnerable	Species or species habitat known to occur within area	In feature area
Acacia terminalis subsp. Eastern Sydney (G.P.Phillips 126) listed as Acacia terminalis subsp. terminalis MS Sunshine Wattle (Sydney region) [91564]	Endangered	Species or species habitat known to occur within area	In feature area
Allocasuarina glareicola [21932]	Endangered	Species or species habitat may occur within area	In feature area
Asterolasia elegans [56780]	Endangered	Species or species habitat may occur within area	In feature area
Caladenia tessellata Thick-lipped Spider-orchid, Daddy Long-legs [2119]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Cryptostylis hunteriana Leafless Tongue-orchid [19533]	Vulnerable	Species or species habitat likely to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Cynanchum elegans White-flowered Wax Plant [12533]	Endangered	Species or species habitat likely to occur within area	In buffer area only
Darwinia biflora [14619]	Vulnerable	Species or species habitat known to occur within area	In feature area
Deyeuxia appressa [7438]	Endangered	Species or species habitat likely to occur within area	In buffer area only
Epacris sparsa [16450]	Endangered	Species or species habitat may occur within area	In buffer area only
Eucalyptus camfieldii Camfield's Stringybark [15460]	Vulnerable	Species or species habitat known to occur within area	In feature area
Eucalyptus cryptica listed as Eucalyptus sp. Cattai (Gregson s.n., 28 Aug 1954) [93502]	Critically Endangered (listed as Eucalyptus sp. Cattai	Species or species habitat may occur within area	In buffer area only
Genoplesium baueri Yellow Gnat-orchid, Bauer's Midge Orchid, Brittle Midge Orchid [7528]	Endangered	Species or species habitat known to occur within area	In feature area
Grevillea caleyi Caley's Grevillea [9683]	Critically Endangered	Species or species habitat known to occur within area	In buffer area only
Haloragis exalata subsp. exalata Wingless Raspwort, Square Raspwort [24636]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Haloragodendron lucasii Hal [6480]	Endangered	Species or species habitat known to occur within area	In feature area
Hibbertia spanantha Julian's Hibbertia [88475]	Critically Endangered	Species or species habitat known to occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Kunzea rupestris [8798]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Lasiopetalum joyceae [20311]	Vulnerable	Species or species habitat known to occur within area	In feature area
Leptospermum deanei Deane's Tea-tree [21777]	Vulnerable	Species or species habitat known to occur within area	In feature area
Leucopogon exolasius Woronora Beard-heath [14251]	Vulnerable	Species or species habitat may occur within area	In feature area
Melaleuca biconvexa Biconvex Paperbark [5583]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Melaleuca deanei Deane's Melaleuca [5818]	Vulnerable	Species or species habitat known to occur within area	In feature area
Micromyrtus blakelyi [6870]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Persicaria elatior Knotweed, Tall Knotweed [5831]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Persoonia hirsuta Hairy Geebung, Hairy Persoonia [19006]	Endangered	Species or species habitat known to occur within area	In feature area
Persoonia mollis subsp. maxima [56075]	Endangered	Species or species habitat known to occur within area	In buffer area only
Pimelea curviflora var. curviflora [4182]	Vulnerable	Species or species habitat known to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Pimelea spicata Spiked Rice-flower [20834]	Endangered	Species or species habitat likely to occur within area	In feature area
Pomaderris brunnea Rufous Pomaderris, Brown Pomaderris [16845]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only
Prostanthera densa Villous Mintbush [12233]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Prostanthera junonis Somersby Mintbush [64960]	Endangered	Species or species habitat may occur within area	In buffer area only
Prostanthera marifolia Seaforth Mintbush [7555]	Critically Endangered	Species or species habitat may occur within area	In buffer area only
Pterostylis saxicola Sydney Plains Greenhood [64537]	Endangered	Species or species habitat may occur within area	In buffer area only
Rhizanthella slateri Eastern Underground Orchid [11768]	Endangered	Species or species habitat may occur within area	In feature area
Rhodamnia rubescens Scrub Turpentine, Brown Malletwood [15763]	Critically Endangered	Species or species habitat known to occur within area	In feature area
Rhodomyrtus psidioides Native Guava [19162]	Critically Endangered	Species or species habitat may occur within area	In feature area
Syzygium paniculatum Magenta Lilly Pilly, Magenta Cherry, Daguba, Scrub Cherry, Creek Lilly Pilly, Brush Cherry [20307]	Vulnerable	Species or species habitat known to occur within area	In feature area
Thesium australe Austral Toadflax, Toadflax [15202]	Vulnerable	Species or species habitat likely to occur within area	In feature area

REPTILE

Scientific Name	Threatened Category	Presence Text	Buffer Status
Caretta caretta Loggerhead Turtle [1763]	Endangered	Species or species habitat known to occur within area	In buffer area only
Chelonia mydas Green Turtle [1765]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Species or species habitat known to occur within area	In buffer area only
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Hoplocephalus bungaroides Broad-headed Snake [1182]	Endangered	Species or species habitat may occur within area	In feature area
Natator depressus Flatback Turtle [59257]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
SHARK			
Sphyrna lewini Scalloped Hammerhead [85267]	Conservation Dependent	Species or species habitat likely to occur within area	In buffer area only
SNAIL			
Pommerhelix duralensis Dural Land Snail [85268]	Endangered	Species or species habitat known to occur within area	In feature area
Listed Migratory Species		[Resource Information]	
Scientific Name	Threatened Category	Presence Text	Buffer Status
Migratory Marine Birds			
Anous stolidus Common Noddy [825]		Species or species habitat likely to occur within area	In buffer area only
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Ardenna grisea Sooty Shearwater [82651]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only
Calonectris leucomelas Streaked Shearwater [1077]		Species or species habitat known to occur within area	In buffer area only
Diomedea antipodensis Antipodean Albatross [64458]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In buffer area only
Diomedea epomophora Southern Royal Albatross [89221]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In buffer area only
Diomedea exulans Wandering Albatross [89223]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In buffer area only
Diomedea sanfordi Northern Royal Albatross [64456]	Endangered	Species or species habitat may occur within area	In buffer area only
Fregata ariel Lesser Frigatebird, Least Frigatebird [1012]		Species or species habitat likely to occur within area	In buffer area only
Fregata minor Great Frigatebird, Greater Frigatebird [1013]		Species or species habitat may occur within area	In buffer area only
Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area	In buffer area only
Macronectes halli Northern Giant Petrel [1061]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Phaethon lepturus White-tailed Tropicbird [1014]		Species or species habitat may occur within area	In buffer area only
Thalassarche bulleri Buller's Albatross, Pacific Albatross [64460]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche cauta Shy Albatross [89224]	Endangered	Foraging, feeding or related behaviour likely to occur within area	In buffer area only
Thalassarche eremita Chatham Albatross [64457]	Endangered	Foraging, feeding or related behaviour may occur within area	In buffer area only
Thalassarche impavida Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche melanophris Black-browed Albatross [66472]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In buffer area only
Thalassarche salvini Salvin's Albatross [64463]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In buffer area only
Thalassarche steadi White-capped Albatross [64462]	Vulnerable	Foraging, feeding or related behaviour known to occur within area	In buffer area only
Migratory Marine Species			
Balaenoptera edeni Bryde's Whale [35]		Species or species habitat may occur within area	In buffer area only
Caperea marginata Pygmy Right Whale [39]		Foraging, feeding or related behaviour may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Caretta caretta Loggerhead Turtle [1763]	Endangered	Species or species habitat known to occur within area	In buffer area only
Chelonia mydas Green Turtle [1765]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Species or species habitat known to occur within area	In buffer area only
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Lagenorhynchus obscurus Dusky Dolphin [43]		Species or species habitat may occur within area	In buffer area only
Lamna nasus Porbeagle, Mackerel Shark [83288]		Species or species habitat likely to occur within area	In buffer area only
Mobula alfredi as Manta alfredi Reef Manta Ray, Coastal Manta Ray [90033]		Species or species habitat known to occur within area	In buffer area only
Mobula birostris as Manta birostris Giant Manta Ray [90034]		Species or species habitat may occur within area	In buffer area only
Natator depressus Flatback Turtle [59257]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Migratory Terrestrial Species			
Cuculus optatus Oriental Cuckoo, Horsfield's Cuckoo [86651]		Species or species habitat known to occur within area	In feature area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Motacilla flava Yellow Wagtail [644]		Species or species habitat likely to occur within area	In feature area
Migratory Wetlands Species			
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat known to occur within area	In feature area
Arenaria interpres Ruddy Turnstone [872]	Vulnerable	Foraging, feeding or related behaviour known to occur within area	In buffer area only
Calidris acuminata Sharp-tailed Sandpiper [874]	Vulnerable	Foraging, feeding or related behaviour known to occur within area	In feature area
Calidris canutus Red Knot, Knot [855]	Vulnerable	Species or species habitat known to occur within area	In feature area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat known to occur within area	In feature area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat known to occur within area	In feature area
Calidris pugnax as Philomachus pugnax Ruff [91256]		Foraging, feeding or related behaviour known to occur within area	In buffer area only
Calidris ruficollis Red-necked Stint [860]		Foraging, feeding or related behaviour known to occur within area	In buffer area only
Calidris tenuirostris Great Knot [862]	Vulnerable	Foraging, feeding or related behaviour known to occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Charadrius bicinctus Double-banded Plover [895]		Foraging, feeding or related behaviour known to occur within area	In buffer area only
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Charadrius mongolus Lesser Sand Plover, Mongolian Plover [879]	Endangered	Foraging, feeding or related behaviour known to occur within area	In buffer area only
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]	Vulnerable	Species or species habitat known to occur within area	In feature area
Gallinago megala Swinhoe's Snipe [864]		Foraging, feeding or related behaviour likely to occur within area	In buffer area only
Gallinago stenura Pin-tailed Snipe [841]		Foraging, feeding or related behaviour likely to occur within area	In buffer area only
Limosa lapponica Bar-tailed Godwit [844]		Species or species habitat known to occur within area	In buffer area only
Limosa limosa Black-tailed Godwit [845]	Endangered	Foraging, feeding or related behaviour known to occur within area	In buffer area only
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat known to occur within area	In feature area
Numenius minutus Little Curlew, Little Whimbrel [848]		Foraging, feeding or related behaviour likely to occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Numenius phaeopus Whimbrel [849]		Foraging, feeding or related behaviour known to occur within area	In buffer area only
Pandion haliaetus Osprey [952]		Species or species habitat known to occur within area	In buffer area only
Pluvialis fulva Pacific Golden Plover [25545]		Foraging, feeding or related behaviour known to occur within area	In buffer area only
Tringa brevipes Grey-tailed Tattler [851]		Foraging, feeding or related behaviour known to occur within area	In buffer area only
Tringa nebularia Common Greenshank, Greenshank [832]	Endangered	Species or species habitat known to occur within area	In feature area
Tringa stagnatilis Marsh Sandpiper, Little Greenshank [833]		Foraging, feeding or related behaviour known to occur within area	In buffer area only

Other Matters Protected by the EPBC Act

Commonwealth Lands		[Resource Information]
The Commonwealth area listed below may indicate the presence of Commonwealth land in this vicinity. Due to the unreliability of the data source, all proposals should be checked as to whether it impacts on a Commonwealth area, before making a definitive decision. Contact the State or Territory government land department for further information.		
Commonwealth Land Name	State	Buffer Status
Commonwealth Bank of Australia		
Commonwealth Land - Commonwealth Bank of Australia [13909]	NSW	In buffer area only
Commonwealth Land - Commonwealth Bank of Australia [14407]	NSW	In buffer area only
Commonwealth Land - Commonwealth Bank of Australia [14408]	NSW	In buffer area only
Commonwealth Land - Commonwealth Bank of Australia [14406]	NSW	In buffer area only
Commonwealth Trading Bank of Australia		
Commonwealth Land - Commonwealth Trading Bank of Australia [13043]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Communications, Information Technology and the Arts - Australian Broadcasting Corporation		
Commonwealth Land - Australian Broadcasting Commission [13112]	NSW	In buffer area only
Commonwealth Land - Australian Broadcasting Commission [13116]	NSW	In buffer area only
Commonwealth Land - Australian Broadcasting Commission [13113]	NSW	In buffer area only
Commonwealth Land - Australian Broadcasting Commission [15605]	NSW	In buffer area only
Commonwealth Land - Australian Broadcasting Corporation [13115]	NSW	In buffer area only
Commonwealth Land - Australian Broadcasting Corporation [13117]	NSW	In buffer area only
Commonwealth Land - Australian Broadcasting Corporation [13114]	NSW	In buffer area only
Commonwealth Land - Australian Broadcasting Corporation [13110]	NSW	In buffer area only
Commonwealth Land - Australian Broadcasting Corporation [13111]	NSW	In buffer area only
Commonwealth Land - Australian Broadcasting Corporation [15606]	NSW	In buffer area only
Commonwealth Land - Australian Broadcasting Corporation [15607]	NSW	In buffer area only
Commonwealth Land - Australian Broadcasting Corporation [13107]	NSW	In buffer area only
Commonwealth Land - Australian Broadcasting Corporation [13109]	NSW	In buffer area only
Commonwealth Land - Australian Broadcasting Corporation [13106]	NSW	In buffer area only
Commonwealth Land - Australian Broadcasting Corporation [13108]	NSW	In buffer area only
Communications, Information Technology and the Arts - Australian Postal Corporation		
Commonwealth Land - Australian Postal Commission [16363]	NSW	In buffer area only
Commonwealth Land - Australian Postal Commission [13134]	NSW	In buffer area only
Commonwealth Land - Australian Postal Commission [13137]	NSW	In buffer area only
Commonwealth Land - Australian Postal Commission [13131]	NSW	In buffer area only
Commonwealth Land - Australian Postal Commission [13118]	NSW	In buffer area only
Commonwealth Land - Australian Postal Commission [13055]	NSW	In buffer area only
Commonwealth Land - Australian Postal Commission [13922]	NSW	In buffer area only
Commonwealth Land - Australian Postal Commission [13923]	NSW	In buffer area only
Commonwealth Land - Australian Postal Commission [13925]	NSW	In buffer area only
Commonwealth Land - Australian Postal Commission [13924]	NSW	In buffer area only
Commonwealth Land - Australian Postal Commission [13104]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Commonwealth Land - Australian Postal Commission [13039]	NSW	In buffer area only
Commonwealth Land - Australian Postal Commission [13121]	NSW	In buffer area only
Commonwealth Land - Australian Postal Commission [13040]	NSW	In buffer area only
Commonwealth Land - Australian Postal Commission [13047]	NSW	In buffer area only
Commonwealth Land - Australian Postal Commission [13910]	NSW	In buffer area only
Commonwealth Land - Australian Postal Commission [13022]	NSW	In buffer area only
Commonwealth Land - Australian Postal Commission [13091]	NSW	In buffer area only
Commonwealth Land - Australian Postal Commission [13099]	NSW	In buffer area only
Commonwealth Land - Australian Postal Commission [13094]	NSW	In buffer area only
Commonwealth Land - Australian Postal Corporation [16164]	NSW	In buffer area only
Commonwealth Land - Australian Postal Corporation [15603]	NSW	In buffer area only
Commonwealth Land - Australian Postal Corporation [16051]	NSW	In buffer area only
Commonwealth Land - Australian Postal Corporation [16174]	NSW	In buffer area only
Communications, Information Technology and the Arts - Telstra Corporation Limited		
Commonwealth Land - Australian & Overseas Telecommunications Corporation [16072]	NSW	In buffer area only
Commonwealth Land - Australian Telecommunications Commission [16448]	NSW	In buffer area only
Commonwealth Land - Australian Telecommunications Commission [13018]	NSW	In buffer area only
Commonwealth Land - Australian Telecommunications Commission [13951]	NSW	In buffer area only
Commonwealth Land - Australian Telecommunications Commission [13965]	NSW	In buffer area only
Commonwealth Land - Australian Telecommunications Commission [13136]	NSW	In buffer area only
Commonwealth Land - Australian Telecommunications Commission [13132]	NSW	In buffer area only
Commonwealth Land - Australian Telecommunications Commission [13119]	NSW	In buffer area only
Commonwealth Land - Australian Telecommunications Commission [13057]	NSW	In buffer area only
Commonwealth Land - Australian Telecommunications Commission [13921]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Commonwealth Land - Australian Telecommunications Commission [13926]	NSW	In buffer area only
Commonwealth Land - Australian Telecommunications Commission [15700]	NSW	In buffer area only
Commonwealth Land - Australian Telecommunications Commission [13129]	NSW	In buffer area only
Commonwealth Land - Australian Telecommunications Commission [14409]	NSW	In buffer area only
Commonwealth Land - Australian Telecommunications Commission [13092]	NSW	In buffer area only
Commonwealth Land - Australian Telecommunications Commission [13093]	NSW	In buffer area only
Commonwealth Land - Australian Telecommunications Commission [13097]	NSW	In buffer area only
Commonwealth Land - Australian Telecommunications Commission [13095]	NSW	In buffer area only
Commonwealth Land - Australian Telecommunications Commission [13014]	NSW	In buffer area only
Commonwealth Land - Australian Telecommunications Corporation [13130]	NSW	In buffer area only
Commonwealth Land - Telstra Corporation Limited [13100]	NSW	In buffer area only
Commonwealth Land - Telstra Corporation Limited [13911]	NSW	In buffer area only
Commonwealth Land - Telstra Corporation Limited [13033]	NSW	In buffer area only
Defence		
Commonwealth Land - Defence Service Homes Corporation [13010]	NSW	In buffer area only
Commonwealth Land - Defence Service Homes Corporation [13054]	NSW	In buffer area only
Commonwealth Land - Defence Service Homes Corporation [13041]	NSW	In buffer area only
Commonwealth Land - Defence Service Homes Corporation [13042]	NSW	In buffer area only
Commonwealth Land - Defence Service Homes Corporation [13068]	NSW	In buffer area only
Commonwealth Land - Defence Service Homes Corporation [13066]	NSW	In buffer area only
Commonwealth Land - Defence Service Homes Corporation [13067]	NSW	In buffer area only
Commonwealth Land - Defence Service Homes Corporation [13064]	NSW	In buffer area only
Commonwealth Land - Defence Service Homes Corporation [13065]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - COCKATOO ISLAND DOCKYARD [10018]	NSW	In buffer area only
Defence - CONCORD OFFICE ACCN [11093]	NSW	In buffer area only
Defence - GLADESVILLE TRAINING DEPOT [10012]	NSW	In buffer area only
Defence - HMAS WATERHEN [10025]	NSW	In buffer area only
Defence - LEICHHARDT STORES DEPOT [11112]	NSW	In buffer area only
Defence - NEWINGTON [10627]	NSW	In buffer area only
Defence - NEWINGTON [10626]	NSW	In buffer area only
Defence - NEWINGTON [11008]	NSW	In buffer area only
Defence - NEWINGTON [10892]	NSW	In buffer area only
Defence - NEWINGTON [11007]	NSW	In buffer area only
Defence - NEWINGTON [10971]	NSW	In buffer area only
Defence - NEWINGTON [11004]	NSW	In buffer area only
Defence - NEWINGTON [10970]	NSW	In buffer area only
Defence - NEWINGTON [11009]	NSW	In buffer area only
Defence - NEWINGTON [10977]	NSW	In buffer area only
Defence - NEWINGTON [11006]	NSW	In buffer area only
Defence - NEWINGTON [10976]	NSW	In buffer area only
Defence - NEWINGTON [11003]	NSW	In buffer area only
Defence - NEWINGTON [10625]	NSW	In buffer area only
Defence - NEWINGTON [10624]	NSW	In buffer area only
Defence - NEWINGTON [11005]	NSW	In buffer area only
Defence - NEWINGTON [10973]	NSW	In buffer area only
Defence - NEWINGTON [11002]	NSW	In buffer area only
Defence - NEWINGTON [10972]	NSW	In buffer area only
Defence - NEWINGTON [10752]	NSW	In buffer area only
Defence - NEWINGTON [10813]	NSW	In buffer area only
Defence - NEWINGTON [10753]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10812]	NSW	In buffer area only
Defence - NEWINGTON [10815]	NSW	In buffer area only
Defence - NEWINGTON [10814]	NSW	In buffer area only
Defence - NEWINGTON [10617]	NSW	In buffer area only
Defence - NEWINGTON [10653]	NSW	In buffer area only
Defence - NEWINGTON [10614]	NSW	In buffer area only
Defence - NEWINGTON [10810]	NSW	In buffer area only
Defence - NEWINGTON [10613]	NSW	In buffer area only
Defence - NEWINGTON [10952]	NSW	In buffer area only
Defence - NEWINGTON [10592]	NSW	In buffer area only
Defence - NEWINGTON [10758]	NSW	In buffer area only
Defence - NEWINGTON [10610]	NSW	In buffer area only
Defence - NEWINGTON [10817]	NSW	In buffer area only
Defence - NEWINGTON [10819]	NSW	In buffer area only
Defence - NEWINGTON [10818]	NSW	In buffer area only
Defence - NEWINGTON [10358]	NSW	In buffer area only
Defence - NEWINGTON [10339]	NSW	In buffer area only
Defence - NEWINGTON [10338]	NSW	In buffer area only
Defence - NEWINGTON [10337]	NSW	In buffer area only
Defence - NEWINGTON [10620]	NSW	In buffer area only
Defence - NEWINGTON [10336]	NSW	In buffer area only
Defence - NEWINGTON [10623]	NSW	In buffer area only
Defence - NEWINGTON [10335]	NSW	In buffer area only
Defence - NEWINGTON [10622]	NSW	In buffer area only
Defence - NEWINGTON [10334]	NSW	In buffer area only
Defence - NEWINGTON [10467]	NSW	In buffer area only
Defence - NEWINGTON [10333]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10629]	NSW	In buffer area only
Defence - NEWINGTON [10332]	NSW	In buffer area only
Defence - NEWINGTON [10628]	NSW	In buffer area only
Defence - NEWINGTON [10331]	NSW	In buffer area only
Defence - NEWINGTON [10330]	NSW	In buffer area only
Defence - NEWINGTON [10921]	NSW	In buffer area only
Defence - NEWINGTON [10448]	NSW	In buffer area only
Defence - NEWINGTON [10955]	NSW	In buffer area only
Defence - NEWINGTON [10615]	NSW	In buffer area only
Defence - NEWINGTON [10361]	NSW	In buffer area only
Defence - NEWINGTON [10953]	NSW	In buffer area only
Defence - NEWINGTON [10360]	NSW	In buffer area only
Defence - NEWINGTON [10954]	NSW	In buffer area only
Defence - NEWINGTON [10621]	NSW	In buffer area only
Defence - NEWINGTON [10363]	NSW	In buffer area only
Defence - NEWINGTON [10362]	NSW	In buffer area only
Defence - NEWINGTON [10365]	NSW	In buffer area only
Defence - NEWINGTON [10364]	NSW	In buffer area only
Defence - NEWINGTON [10366]	NSW	In buffer area only
Defence - NEWINGTON [10466]	NSW	In buffer area only
Defence - NEWINGTON [10537]	NSW	In buffer area only
Defence - NEWINGTON [10288]	NSW	In buffer area only
Defence - NEWINGTON [10449]	NSW	In buffer area only
Defence - NEWINGTON [10855]	NSW	In buffer area only
Defence - NEWINGTON [11056]	NSW	In buffer area only
Defence - NEWINGTON [11051]	NSW	In buffer area only
Defence - NEWINGTON [11054]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [11057]	NSW	In buffer area only
Defence - NEWINGTON [10957]	NSW	In buffer area only
Defence - NEWINGTON [10637]	NSW	In buffer area only
Defence - NEWINGTON [11055]	NSW	In buffer area only
Defence - NEWINGTON [11059]	NSW	In buffer area only
Defence - NEWINGTON [11058]	NSW	In buffer area only
Defence - NEWINGTON [10850]	NSW	In buffer area only
Defence - NEWINGTON [10851]	NSW	In buffer area only
Defence - NEWINGTON [11061]	NSW	In buffer area only
Defence - NEWINGTON [11060]	NSW	In buffer area only
Defence - NEWINGTON [11067]	NSW	In buffer area only
Defence - NEWINGTON [10444]	NSW	In buffer area only
Defence - NEWINGTON [11066]	NSW	In buffer area only
Defence - NEWINGTON [10706]	NSW	In buffer area only
Defence - NEWINGTON [10289]	NSW	In buffer area only
Defence - NEWINGTON [10854]	NSW	In buffer area only
Defence - NEWINGTON [10857]	NSW	In buffer area only
Defence - NEWINGTON [10440]	NSW	In buffer area only
Defence - NEWINGTON [10441]	NSW	In buffer area only
Defence - NEWINGTON [10527]	NSW	In buffer area only
Defence - NEWINGTON [11063]	NSW	In buffer area only
Defence - NEWINGTON [11062]	NSW	In buffer area only
Defence - NEWINGTON [10975]	NSW	In buffer area only
Defence - NEWINGTON [10974]	NSW	In buffer area only
Defence - NEWINGTON [10853]	NSW	In buffer area only
Defence - NEWINGTON [10859]	NSW	In buffer area only
Defence - NEWINGTON [10999]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10979]	NSW	In buffer area only
Defence - NEWINGTON [10998]	NSW	In buffer area only
Defence - NEWINGTON [10978]	NSW	In buffer area only
Defence - NEWINGTON [10856]	NSW	In buffer area only
Defence - NEWINGTON [10996]	NSW	In buffer area only
Defence - NEWINGTON [10645]	NSW	In buffer area only
Defence - NEWINGTON [10995]	NSW	In buffer area only
Defence - NEWINGTON [11050]	NSW	In buffer area only
Defence - NEWINGTON [10994]	NSW	In buffer area only
Defence - NEWINGTON [11053]	NSW	In buffer area only
Defence - NEWINGTON [10852]	NSW	In buffer area only
Defence - NEWINGTON [11052]	NSW	In buffer area only
Defence - NEWINGTON [11069]	NSW	In buffer area only
Defence - NEWINGTON [10755]	NSW	In buffer area only
Defence - NEWINGTON [10990]	NSW	In buffer area only
Defence - NEWINGTON [10991]	NSW	In buffer area only
Defence - NEWINGTON [10648]	NSW	In buffer area only
Defence - NEWINGTON [11068]	NSW	In buffer area only
Defence - NEWINGTON [10521]	NSW	In buffer area only
Defence - NEWINGTON [10997]	NSW	In buffer area only
Defence - NEWINGTON [10750]	NSW	In buffer area only
Defence - NEWINGTON [10649]	NSW	In buffer area only
Defence - NEWINGTON [10644]	NSW	In buffer area only
Defence - NEWINGTON [10757]	NSW	In buffer area only
Defence - NEWINGTON [10754]	NSW	In buffer area only
Defence - NEWINGTON [10751]	NSW	In buffer area only
Defence - NEWINGTON [10756]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10589]	NSW	In buffer area only
Defence - NEWINGTON [10588]	NSW	In buffer area only
Defence - NEWINGTON [10683]	NSW	In buffer area only
Defence - NEWINGTON [10684]	NSW	In buffer area only
Defence - NEWINGTON [10384]	NSW	In buffer area only
Defence - NEWINGTON [10565]	NSW	In buffer area only
Defence - NEWINGTON [10385]	NSW	In buffer area only
Defence - NEWINGTON [10761]	NSW	In buffer area only
Defence - NEWINGTON [10680]	NSW	In buffer area only
Defence - NEWINGTON [10643]	NSW	In buffer area only
Defence - NEWINGTON [10958]	NSW	In buffer area only
Defence - NEWINGTON [10522]	NSW	In buffer area only
Defence - NEWINGTON [10682]	NSW	In buffer area only
Defence - NEWINGTON [10762]	NSW	In buffer area only
Defence - NEWINGTON [10681]	NSW	In buffer area only
Defence - NEWINGTON [10763]	NSW	In buffer area only
Defence - NEWINGTON [10647]	NSW	In buffer area only
Defence - NEWINGTON [10646]	NSW	In buffer area only
Defence - NEWINGTON [10689]	NSW	In buffer area only
Defence - NEWINGTON [10641]	NSW	In buffer area only
Defence - NEWINGTON [10688]	NSW	In buffer area only
Defence - NEWINGTON [10640]	NSW	In buffer area only
Defence - NEWINGTON [10383]	NSW	In buffer area only
Defence - NEWINGTON [10382]	NSW	In buffer area only
Defence - NEWINGTON [10381]	NSW	In buffer area only
Defence - NEWINGTON [10902]	NSW	In buffer area only
Defence - NEWINGTON [10380]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10904]	NSW	In buffer area only
Defence - NEWINGTON [10556]	NSW	In buffer area only
Defence - NEWINGTON [10903]	NSW	In buffer area only
Defence - NEWINGTON [10906]	NSW	In buffer area only
Defence - NEWINGTON [10905]	NSW	In buffer area only
Defence - NEWINGTON [10709]	NSW	In buffer area only
Defence - NEWINGTON [10468]	NSW	In buffer area only
Defence - NEWINGTON [10907]	NSW	In buffer area only
Defence - NEWINGTON [10678]	NSW	In buffer area only
Defence - NEWINGTON [10671]	NSW	In buffer area only
Defence - NEWINGTON [10869]	NSW	In buffer area only
Defence - NEWINGTON [10388]	NSW	In buffer area only
Defence - NEWINGTON [10679]	NSW	In buffer area only
Defence - NEWINGTON [10868]	NSW	In buffer area only
Defence - NEWINGTON [10389]	NSW	In buffer area only
Defence - NEWINGTON [10866]	NSW	In buffer area only
Defence - NEWINGTON [10865]	NSW	In buffer area only
Defence - NEWINGTON [10864]	NSW	In buffer area only
Defence - NEWINGTON [10863]	NSW	In buffer area only
Defence - NEWINGTON [10862]	NSW	In buffer area only
Defence - NEWINGTON [10861]	NSW	In buffer area only
Defence - NEWINGTON [10860]	NSW	In buffer area only
Defence - NEWINGTON [10670]	NSW	In buffer area only
Defence - NEWINGTON [10673]	NSW	In buffer area only
Defence - NEWINGTON [10672]	NSW	In buffer area only
Defence - NEWINGTON [10675]	NSW	In buffer area only
Defence - NEWINGTON [10674]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10677]	NSW	In buffer area only
Defence - NEWINGTON [10676]	NSW	In buffer area only
Defence - NEWINGTON [10770]	NSW	In buffer area only
Defence - NEWINGTON [10771]	NSW	In buffer area only
Defence - NEWINGTON [10772]	NSW	In buffer area only
Defence - NEWINGTON [10721]	NSW	In buffer area only
Defence - NEWINGTON [10722]	NSW	In buffer area only
Defence - NEWINGTON [10946]	NSW	In buffer area only
Defence - NEWINGTON [10720]	NSW	In buffer area only
Defence - NEWINGTON [10703]	NSW	In buffer area only
Defence - NEWINGTON [10959]	NSW	In buffer area only
Defence - NEWINGTON [10369]	NSW	In buffer area only
Defence - NEWINGTON [10532]	NSW	In buffer area only
Defence - NEWINGTON [10367]	NSW	In buffer area only
Defence - NEWINGTON [10368]	NSW	In buffer area only
Defence - NEWINGTON [10773]	NSW	In buffer area only
Defence - NEWINGTON [10774]	NSW	In buffer area only
Defence - NEWINGTON [10947]	NSW	In buffer area only
Defence - NEWINGTON [10777]	NSW	In buffer area only
Defence - NEWINGTON [10778]	NSW	In buffer area only
Defence - NEWINGTON [10775]	NSW	In buffer area only
Defence - NEWINGTON [10776]	NSW	In buffer area only
Defence - NEWINGTON [11001]	NSW	In buffer area only
Defence - NEWINGTON [11000]	NSW	In buffer area only
Defence - NEWINGTON [10779]	NSW	In buffer area only
Defence - NEWINGTON [10243]	NSW	In buffer area only
Defence - NEWINGTON [10244]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10568]	NSW	In buffer area only
Defence - NEWINGTON [10247]	NSW	In buffer area only
Defence - NEWINGTON [10685]	NSW	In buffer area only
Defence - NEWINGTON [10245]	NSW	In buffer area only
Defence - NEWINGTON [10246]	NSW	In buffer area only
Defence - NEWINGTON [10728]	NSW	In buffer area only
Defence - NEWINGTON [10729]	NSW	In buffer area only
Defence - NEWINGTON [10687]	NSW	In buffer area only
Defence - NEWINGTON [10686]	NSW	In buffer area only
Defence - NEWINGTON [10567]	NSW	In buffer area only
Defence - NEWINGTON [10724]	NSW	In buffer area only
Defence - NEWINGTON [10566]	NSW	In buffer area only
Defence - NEWINGTON [10725]	NSW	In buffer area only
Defence - NEWINGTON [10726]	NSW	In buffer area only
Defence - NEWINGTON [10564]	NSW	In buffer area only
Defence - NEWINGTON [10727]	NSW	In buffer area only
Defence - NEWINGTON [10607]	NSW	In buffer area only
Defence - NEWINGTON [10608]	NSW	In buffer area only
Defence - NEWINGTON [10609]	NSW	In buffer area only
Defence - NEWINGTON [10843]	NSW	In buffer area only
Defence - NEWINGTON [10894]	NSW	In buffer area only
Defence - NEWINGTON [11070]	NSW	In buffer area only
Defence - NEWINGTON [10616]	NSW	In buffer area only
Defence - NEWINGTON [10582]	NSW	In buffer area only
Defence - NEWINGTON [10583]	NSW	In buffer area only
Defence - NEWINGTON [10580]	NSW	In buffer area only
Defence - NEWINGTON [10581]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10586]	NSW	In buffer area only
Defence - NEWINGTON [10587]	NSW	In buffer area only
Defence - NEWINGTON [10584]	NSW	In buffer area only
Defence - NEWINGTON [10585]	NSW	In buffer area only
Defence - NEWINGTON [10249]	NSW	In buffer area only
Defence - NEWINGTON [10460]	NSW	In buffer area only
Defence - NEWINGTON [10867]	NSW	In buffer area only
Defence - NEWINGTON [10508]	NSW	In buffer area only
Defence - NEWINGTON [10318]	NSW	In buffer area only
Defence - NEWINGTON [10462]	NSW	In buffer area only
Defence - NEWINGTON [10461]	NSW	In buffer area only
Defence - NEWINGTON [10464]	NSW	In buffer area only
Defence - NEWINGTON [11065]	NSW	In buffer area only
Defence - NEWINGTON [10509]	NSW	In buffer area only
Defence - NEWINGTON [10465]	NSW	In buffer area only
Defence - NEWINGTON [11064]	NSW	In buffer area only
Defence - NEWINGTON [10313]	NSW	In buffer area only
Defence - NEWINGTON [10312]	NSW	In buffer area only
Defence - NEWINGTON [10310]	NSW	In buffer area only
Defence - NEWINGTON [10506]	NSW	In buffer area only
Defence - NEWINGTON [10507]	NSW	In buffer area only
Defence - NEWINGTON [10500]	NSW	In buffer area only
Defence - NEWINGTON [10501]	NSW	In buffer area only
Defence - NEWINGTON [10262]	NSW	In buffer area only
Defence - NEWINGTON [10504]	NSW	In buffer area only
Defence - NEWINGTON [10505]	NSW	In buffer area only
Defence - NEWINGTON [10502]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10503]	NSW	In buffer area only
Defence - NEWINGTON [10463]	NSW	In buffer area only
Defence - NEWINGTON [10264]	NSW	In buffer area only
Defence - NEWINGTON [10267]	NSW	In buffer area only
Defence - NEWINGTON [10268]	NSW	In buffer area only
Defence - NEWINGTON [10265]	NSW	In buffer area only
Defence - NEWINGTON [10811]	NSW	In buffer area only
Defence - NEWINGTON [10269]	NSW	In buffer area only
Defence - NEWINGTON [10260]	NSW	In buffer area only
Defence - NEWINGTON [10263]	NSW	In buffer area only
Defence - NEWINGTON [10266]	NSW	In buffer area only
Defence - NEWINGTON [10261]	NSW	In buffer area only
Defence - NEWINGTON [10835]	NSW	In buffer area only
Defence - NEWINGTON [10834]	NSW	In buffer area only
Defence - NEWINGTON [10837]	NSW	In buffer area only
Defence - NEWINGTON [10836]	NSW	In buffer area only
Defence - NEWINGTON [10831]	NSW	In buffer area only
Defence - NEWINGTON [10830]	NSW	In buffer area only
Defence - NEWINGTON [10833]	NSW	In buffer area only
Defence - NEWINGTON [10832]	NSW	In buffer area only
Defence - NEWINGTON [10493]	NSW	In buffer area only
Defence - NEWINGTON [10934]	NSW	In buffer area only
Defence - NEWINGTON [10937]	NSW	In buffer area only
Defence - NEWINGTON [10935]	NSW	In buffer area only
Defence - NEWINGTON [10932]	NSW	In buffer area only
Defence - NEWINGTON [10933]	NSW	In buffer area only
Defence - NEWINGTON [10839]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10838]	NSW	In buffer area only
Defence - NEWINGTON [10723]	NSW	In buffer area only
Defence - NEWINGTON [10799]	NSW	In buffer area only
Defence - NEWINGTON [10798]	NSW	In buffer area only
Defence - NEWINGTON [10569]	NSW	In buffer area only
Defence - NEWINGTON [10618]	NSW	In buffer area only
Defence - NEWINGTON [10638]	NSW	In buffer area only
Defence - NEWINGTON [10891]	NSW	In buffer area only
Defence - NEWINGTON [10634]	NSW	In buffer area only
Defence - NEWINGTON [10635]	NSW	In buffer area only
Defence - NEWINGTON [10636]	NSW	In buffer area only
Defence - NEWINGTON [10890]	NSW	In buffer area only
Defence - NEWINGTON [10346]	NSW	In buffer area only
Defence - NEWINGTON [10410]	NSW	In buffer area only
Defence - NEWINGTON [10492]	NSW	In buffer area only
Defence - NEWINGTON [10349]	NSW	In buffer area only
Defence - NEWINGTON [10705]	NSW	In buffer area only
Defence - NEWINGTON [10702]	NSW	In buffer area only
Defence - NEWINGTON [10707]	NSW	In buffer area only
Defence - NEWINGTON [10704]	NSW	In buffer area only
Defence - NEWINGTON [10701]	NSW	In buffer area only
Defence - NEWINGTON [10700]	NSW	In buffer area only
Defence - NEWINGTON [10429]	NSW	In buffer area only
Defence - NEWINGTON [10713]	NSW	In buffer area only
Defence - NEWINGTON [10539]	NSW	In buffer area only
Defence - NEWINGTON [10710]	NSW	In buffer area only
Defence - NEWINGTON [10715]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10535]	NSW	In buffer area only
Defence - NEWINGTON [10712]	NSW	In buffer area only
Defence - NEWINGTON [10538]	NSW	In buffer area only
Defence - NEWINGTON [10717]	NSW	In buffer area only
Defence - NEWINGTON [10714]	NSW	In buffer area only
Defence - NEWINGTON [10347]	NSW	In buffer area only
Defence - NEWINGTON [10344]	NSW	In buffer area only
Defence - NEWINGTON [10345]	NSW	In buffer area only
Defence - NEWINGTON [10342]	NSW	In buffer area only
Defence - NEWINGTON [10343]	NSW	In buffer area only
Defence - NEWINGTON [10340]	NSW	In buffer area only
Defence - NEWINGTON [10341]	NSW	In buffer area only
Defence - NEWINGTON [10348]	NSW	In buffer area only
Defence - NEWINGTON [10420]	NSW	In buffer area only
Defence - NEWINGTON [10716]	NSW	In buffer area only
Defence - NEWINGTON [10650]	NSW	In buffer area only
Defence - NEWINGTON [10651]	NSW	In buffer area only
Defence - NEWINGTON [10652]	NSW	In buffer area only
Defence - NEWINGTON [10490]	NSW	In buffer area only
Defence - NEWINGTON [10491]	NSW	In buffer area only
Defence - NEWINGTON [10719]	NSW	In buffer area only
Defence - NEWINGTON [10718]	NSW	In buffer area only
Defence - NEWINGTON [11027]	NSW	In buffer area only
Defence - NEWINGTON [10711]	NSW	In buffer area only
Defence - NEWINGTON [10494]	NSW	In buffer area only
Defence - NEWINGTON [10497]	NSW	In buffer area only
Defence - NEWINGTON [10496]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10458]	NSW	In buffer area only
Defence - NEWINGTON [10956]	NSW	In buffer area only
Defence - NEWINGTON [10840]	NSW	In buffer area only
Defence - NEWINGTON [10708]	NSW	In buffer area only
Defence - NEWINGTON [10428]	NSW	In buffer area only
Defence - NEWINGTON [11028]	NSW	In buffer area only
Defence - NEWINGTON [11029]	NSW	In buffer area only
Defence - NEWINGTON [10533]	NSW	In buffer area only
Defence - NEWINGTON [11020]	NSW	In buffer area only
Defence - NEWINGTON [11026]	NSW	In buffer area only
Defence - NEWINGTON [11025]	NSW	In buffer area only
Defence - NEWINGTON [11022]	NSW	In buffer area only
Defence - NEWINGTON [11021]	NSW	In buffer area only
Defence - NEWINGTON [11024]	NSW	In buffer area only
Defence - NEWINGTON [11023]	NSW	In buffer area only
Defence - NEWINGTON [10359]	NSW	In buffer area only
Defence - NEWINGTON [10560]	NSW	In buffer area only
Defence - NEWINGTON [10759]	NSW	In buffer area only
Defence - NEWINGTON [10791]	NSW	In buffer area only
Defence - NEWINGTON [10415]	NSW	In buffer area only
Defence - NEWINGTON [10414]	NSW	In buffer area only
Defence - NEWINGTON [10417]	NSW	In buffer area only
Defence - NEWINGTON [10536]	NSW	In buffer area only
Defence - NEWINGTON [10793]	NSW	In buffer area only
Defence - NEWINGTON [10792]	NSW	In buffer area only
Defence - NEWINGTON [10790]	NSW	In buffer area only
Defence - NEWINGTON [10797]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10796]	NSW	In buffer area only
Defence - NEWINGTON [10795]	NSW	In buffer area only
Defence - NEWINGTON [10794]	NSW	In buffer area only
Defence - NEWINGTON [10418]	NSW	In buffer area only
Defence - NEWINGTON [10419]	NSW	In buffer area only
Defence - NEWINGTON [10534]	NSW	In buffer area only
Defence - NEWINGTON [10350]	NSW	In buffer area only
Defence - NEWINGTON [10351]	NSW	In buffer area only
Defence - NEWINGTON [10352]	NSW	In buffer area only
Defence - NEWINGTON [10353]	NSW	In buffer area only
Defence - NEWINGTON [10354]	NSW	In buffer area only
Defence - NEWINGTON [10355]	NSW	In buffer area only
Defence - NEWINGTON [10356]	NSW	In buffer area only
Defence - NEWINGTON [10357]	NSW	In buffer area only
Defence - NEWINGTON [10612]	NSW	In buffer area only
Defence - NEWINGTON [10412]	NSW	In buffer area only
Defence - NEWINGTON [10413]	NSW	In buffer area only
Defence - NEWINGTON [10411]	NSW	In buffer area only
Defence - NEWINGTON [10416]	NSW	In buffer area only
Defence - NEWINGTON [10600]	NSW	In buffer area only
Defence - NEWINGTON [10373]	NSW	In buffer area only
Defence - NEWINGTON [10602]	NSW	In buffer area only
Defence - NEWINGTON [10601]	NSW	In buffer area only
Defence - NEWINGTON [10604]	NSW	In buffer area only
Defence - NEWINGTON [10603]	NSW	In buffer area only
Defence - NEWINGTON [10606]	NSW	In buffer area only
Defence - NEWINGTON [10605]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10436]	NSW	In buffer area only
Defence - NEWINGTON [10435]	NSW	In buffer area only
Defence - NEWINGTON [10434]	NSW	In buffer area only
Defence - NEWINGTON [10530]	NSW	In buffer area only
Defence - NEWINGTON [10531]	NSW	In buffer area only
Defence - NEWINGTON [10498]	NSW	In buffer area only
Defence - NEWINGTON [10663]	NSW	In buffer area only
Defence - NEWINGTON [10662]	NSW	In buffer area only
Defence - NEWINGTON [10742]	NSW	In buffer area only
Defence - NEWINGTON [10599]	NSW	In buffer area only
Defence - NEWINGTON [10598]	NSW	In buffer area only
Defence - NEWINGTON [10597]	NSW	In buffer area only
Defence - NEWINGTON [10596]	NSW	In buffer area only
Defence - NEWINGTON [10421]	NSW	In buffer area only
Defence - NEWINGTON [10658]	NSW	In buffer area only
Defence - NEWINGTON [10657]	NSW	In buffer area only
Defence - NEWINGTON [10654]	NSW	In buffer area only
Defence - NEWINGTON [10656]	NSW	In buffer area only
Defence - NEWINGTON [10655]	NSW	In buffer area only
Defence - NEWINGTON [10736]	NSW	In buffer area only
Defence - NEWINGTON [10594]	NSW	In buffer area only
Defence - NEWINGTON [10735]	NSW	In buffer area only
Defence - NEWINGTON [10593]	NSW	In buffer area only
Defence - NEWINGTON [10737]	NSW	In buffer area only
Defence - NEWINGTON [10595]	NSW	In buffer area only
Defence - NEWINGTON [10738]	NSW	In buffer area only
Defence - NEWINGTON [10962]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10257]	NSW	In buffer area only
Defence - NEWINGTON [10734]	NSW	In buffer area only
Defence - NEWINGTON [10256]	NSW	In buffer area only
Defence - NEWINGTON [10739]	NSW	In buffer area only
Defence - NEWINGTON [10590]	NSW	In buffer area only
Defence - NEWINGTON [10748]	NSW	In buffer area only
Defence - NEWINGTON [10660]	NSW	In buffer area only
Defence - NEWINGTON [10661]	NSW	In buffer area only
Defence - NEWINGTON [10963]	NSW	In buffer area only
Defence - NEWINGTON [10745]	NSW	In buffer area only
Defence - NEWINGTON [10732]	NSW	In buffer area only
Defence - NEWINGTON [10731]	NSW	In buffer area only
Defence - NEWINGTON [10743]	NSW	In buffer area only
Defence - NEWINGTON [10740]	NSW	In buffer area only
Defence - NEWINGTON [10747]	NSW	In buffer area only
Defence - NEWINGTON [10913]	NSW	In buffer area only
Defence - NEWINGTON [10744]	NSW	In buffer area only
Defence - NEWINGTON [10280]	NSW	In buffer area only
Defence - NEWINGTON [10741]	NSW	In buffer area only
Defence - NEWINGTON [10918]	NSW	In buffer area only
Defence - NEWINGTON [10746]	NSW	In buffer area only
Defence - NEWINGTON [10919]	NSW	In buffer area only
Defence - NEWINGTON [10917]	NSW	In buffer area only
Defence - NEWINGTON [10910]	NSW	In buffer area only
Defence - NEWINGTON [10911]	NSW	In buffer area only
Defence - NEWINGTON [10733]	NSW	In buffer area only
Defence - NEWINGTON [10912]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10559]	NSW	In buffer area only
Defence - NEWINGTON [10915]	NSW	In buffer area only
Defence - NEWINGTON [10916]	NSW	In buffer area only
Defence - NEWINGTON [10377]	NSW	In buffer area only
Defence - NEWINGTON [10960]	NSW	In buffer area only
Defence - NEWINGTON [10376]	NSW	In buffer area only
Defence - NEWINGTON [10694]	NSW	In buffer area only
Defence - NEWINGTON [10375]	NSW	In buffer area only
Defence - NEWINGTON [10695]	NSW	In buffer area only
Defence - NEWINGTON [10374]	NSW	In buffer area only
Defence - NEWINGTON [10696]	NSW	In buffer area only
Defence - NEWINGTON [10319]	NSW	In buffer area only
Defence - NEWINGTON [10697]	NSW	In buffer area only
Defence - NEWINGTON [10379]	NSW	In buffer area only
Defence - NEWINGTON [10690]	NSW	In buffer area only
Defence - NEWINGTON [10378]	NSW	In buffer area only
Defence - NEWINGTON [10691]	NSW	In buffer area only
Defence - NEWINGTON [10948]	NSW	In buffer area only
Defence - NEWINGTON [10692]	NSW	In buffer area only
Defence - NEWINGTON [10693]	NSW	In buffer area only
Defence - NEWINGTON [10399]	NSW	In buffer area only
Defence - NEWINGTON [10698]	NSW	In buffer area only
Defence - NEWINGTON [10398]	NSW	In buffer area only
Defence - NEWINGTON [10370]	NSW	In buffer area only
Defence - NEWINGTON [10408]	NSW	In buffer area only
Defence - NEWINGTON [10749]	NSW	In buffer area only
Defence - NEWINGTON [10409]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10665]	NSW	In buffer area only
Defence - NEWINGTON [10404]	NSW	In buffer area only
Defence - NEWINGTON [10664]	NSW	In buffer area only
Defence - NEWINGTON [10405]	NSW	In buffer area only
Defence - NEWINGTON [10667]	NSW	In buffer area only
Defence - NEWINGTON [10437]	NSW	In buffer area only
Defence - NEWINGTON [10666]	NSW	In buffer area only
Defence - NEWINGTON [10659]	NSW	In buffer area only
Defence - NEWINGTON [10431]	NSW	In buffer area only
Defence - NEWINGTON [10430]	NSW	In buffer area only
Defence - NEWINGTON [10371]	NSW	In buffer area only
Defence - NEWINGTON [10433]	NSW	In buffer area only
Defence - NEWINGTON [10372]	NSW	In buffer area only
Defence - NEWINGTON [10432]	NSW	In buffer area only
Defence - NEWINGTON [10439]	NSW	In buffer area only
Defence - NEWINGTON [10438]	NSW	In buffer area only
Defence - NEWINGTON [10558]	NSW	In buffer area only
Defence - NEWINGTON [10554]	NSW	In buffer area only
Defence - NEWINGTON [10930]	NSW	In buffer area only
Defence - NEWINGTON [10480]	NSW	In buffer area only
Defence - NEWINGTON [10481]	NSW	In buffer area only
Defence - NEWINGTON [10858]	NSW	In buffer area only
Defence - NEWINGTON [10402]	NSW	In buffer area only
Defence - NEWINGTON [10400]	NSW	In buffer area only
Defence - NEWINGTON [10403]	NSW	In buffer area only
Defence - NEWINGTON [10406]	NSW	In buffer area only
Defence - NEWINGTON [10401]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10407]	NSW	In buffer area only
Defence - NEWINGTON [10543]	NSW	In buffer area only
Defence - NEWINGTON [10469]	NSW	In buffer area only
Defence - NEWINGTON [10668]	NSW	In buffer area only
Defence - NEWINGTON [10931]	NSW	In buffer area only
Defence - NEWINGTON [10829]	NSW	In buffer area only
Defence - NEWINGTON [10828]	NSW	In buffer area only
Defence - NEWINGTON [10940]	NSW	In buffer area only
Defence - NEWINGTON [10941]	NSW	In buffer area only
Defence - NEWINGTON [10950]	NSW	In buffer area only
Defence - NEWINGTON [10944]	NSW	In buffer area only
Defence - NEWINGTON [10945]	NSW	In buffer area only
Defence - NEWINGTON [10942]	NSW	In buffer area only
Defence - NEWINGTON [10943]	NSW	In buffer area only
Defence - NEWINGTON [10785]	NSW	In buffer area only
Defence - NEWINGTON [10784]	NSW	In buffer area only
Defence - NEWINGTON [10781]	NSW	In buffer area only
Defence - NEWINGTON [10780]	NSW	In buffer area only
Defence - NEWINGTON [10783]	NSW	In buffer area only
Defence - NEWINGTON [10782]	NSW	In buffer area only
Defence - NEWINGTON [10938]	NSW	In buffer area only
Defence - NEWINGTON [10939]	NSW	In buffer area only
Defence - NEWINGTON [10823]	NSW	In buffer area only
Defence - NEWINGTON [10820]	NSW	In buffer area only
Defence - NEWINGTON [10827]	NSW	In buffer area only
Defence - NEWINGTON [10822]	NSW	In buffer area only
Defence - NEWINGTON [10821]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10824]	NSW	In buffer area only
Defence - NEWINGTON [10826]	NSW	In buffer area only
Defence - NEWINGTON [10825]	NSW	In buffer area only
Defence - NEWINGTON [10278]	NSW	In buffer area only
Defence - NEWINGTON [10427]	NSW	In buffer area only
Defence - NEWINGTON [10425]	NSW	In buffer area only
Defence - NEWINGTON [10426]	NSW	In buffer area only
Defence - NEWINGTON [10423]	NSW	In buffer area only
Defence - NEWINGTON [10424]	NSW	In buffer area only
Defence - NEWINGTON [10788]	NSW	In buffer area only
Defence - NEWINGTON [10422]	NSW	In buffer area only
Defence - NEWINGTON [10786]	NSW	In buffer area only
Defence - NEWINGTON [10789]	NSW	In buffer area only
Defence - NEWINGTON [10787]	NSW	In buffer area only
Defence - NEWINGTON [10272]	NSW	In buffer area only
Defence - NEWINGTON [10279]	NSW	In buffer area only
Defence - NEWINGTON [10273]	NSW	In buffer area only
Defence - NEWINGTON [10270]	NSW	In buffer area only
Defence - NEWINGTON [10271]	NSW	In buffer area only
Defence - NEWINGTON [10276]	NSW	In buffer area only
Defence - NEWINGTON [10277]	NSW	In buffer area only
Defence - NEWINGTON [10274]	NSW	In buffer area only
Defence - NEWINGTON [10275]	NSW	In buffer area only
Defence - NEWINGTON [10571]	NSW	In buffer area only
Defence - NEWINGTON [10485]	NSW	In buffer area only
Defence - NEWINGTON [11034]	NSW	In buffer area only
Defence - NEWINGTON [10487]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10484]	NSW	In buffer area only
Defence - NEWINGTON [11037]	NSW	In buffer area only
Defence - NEWINGTON [11030]	NSW	In buffer area only
Defence - NEWINGTON [11035]	NSW	In buffer area only
Defence - NEWINGTON [11036]	NSW	In buffer area only
Defence - NEWINGTON [10254]	NSW	In buffer area only
Defence - NEWINGTON [11033]	NSW	In buffer area only
Defence - NEWINGTON [11032]	NSW	In buffer area only
Defence - NEWINGTON [10961]	NSW	In buffer area only
Defence - NEWINGTON [11038]	NSW	In buffer area only
Defence - NEWINGTON [11039]	NSW	In buffer area only
Defence - NEWINGTON [10470]	NSW	In buffer area only
Defence - NEWINGTON [10281]	NSW	In buffer area only
Defence - NEWINGTON [10471]	NSW	In buffer area only
Defence - NEWINGTON [10488]	NSW	In buffer area only
Defence - NEWINGTON [10923]	NSW	In buffer area only
Defence - NEWINGTON [10920]	NSW	In buffer area only
Defence - NEWINGTON [10925]	NSW	In buffer area only
Defence - NEWINGTON [10922]	NSW	In buffer area only
Defence - NEWINGTON [10489]	NSW	In buffer area only
Defence - NEWINGTON [10924]	NSW	In buffer area only
Defence - NEWINGTON [10929]	NSW	In buffer area only
Defence - NEWINGTON [10926]	NSW	In buffer area only
Defence - NEWINGTON [10928]	NSW	In buffer area only
Defence - NEWINGTON [10765]	NSW	In buffer area only
Defence - NEWINGTON [10764]	NSW	In buffer area only
Defence - NEWINGTON [10482]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10483]	NSW	In buffer area only
Defence - NEWINGTON [10255]	NSW	In buffer area only
Defence - NEWINGTON [10760]	NSW	In buffer area only
Defence - NEWINGTON [10767]	NSW	In buffer area only
Defence - NEWINGTON [10766]	NSW	In buffer area only
Defence - NEWINGTON [10551]	NSW	In buffer area only
Defence - NEWINGTON [10250]	NSW	In buffer area only
Defence - NEWINGTON [10251]	NSW	In buffer area only
Defence - NEWINGTON [10553]	NSW	In buffer area only
Defence - NEWINGTON [10768]	NSW	In buffer area only
Defence - NEWINGTON [10769]	NSW	In buffer area only
Defence - NEWINGTON [10252]	NSW	In buffer area only
Defence - NEWINGTON [10253]	NSW	In buffer area only
Defence - NEWINGTON [10486]	NSW	In buffer area only
Defence - NEWINGTON [10982]	NSW	In buffer area only
Defence - NEWINGTON [10983]	NSW	In buffer area only
Defence - NEWINGTON [10984]	NSW	In buffer area only
Defence - NEWINGTON [10985]	NSW	In buffer area only
Defence - NEWINGTON [10390]	NSW	In buffer area only
Defence - NEWINGTON [10546]	NSW	In buffer area only
Defence - NEWINGTON [10391]	NSW	In buffer area only
Defence - NEWINGTON [10547]	NSW	In buffer area only
Defence - NEWINGTON [10392]	NSW	In buffer area only
Defence - NEWINGTON [10980]	NSW	In buffer area only
Defence - NEWINGTON [10393]	NSW	In buffer area only
Defence - NEWINGTON [10981]	NSW	In buffer area only
Defence - NEWINGTON [10394]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10395]	NSW	In buffer area only
Defence - NEWINGTON [10396]	NSW	In buffer area only
Defence - NEWINGTON [10544]	NSW	In buffer area only
Defence - NEWINGTON [10397]	NSW	In buffer area only
Defence - NEWINGTON [10545]	NSW	In buffer area only
Defence - NEWINGTON [10816]	NSW	In buffer area only
Defence - NEWINGTON [10969]	NSW	In buffer area only
Defence - NEWINGTON [10541]	NSW	In buffer area only
Defence - NEWINGTON [10542]	NSW	In buffer area only
Defence - NEWINGTON [10540]	NSW	In buffer area only
Defence - NEWINGTON [10548]	NSW	In buffer area only
Defence - NEWINGTON [10549]	NSW	In buffer area only
Defence - NEWINGTON [10914]	NSW	In buffer area only
Defence - NEWINGTON [10323]	NSW	In buffer area only
Defence - NEWINGTON [10329]	NSW	In buffer area only
Defence - NEWINGTON [10324]	NSW	In buffer area only
Defence - NEWINGTON [10325]	NSW	In buffer area only
Defence - NEWINGTON [10326]	NSW	In buffer area only
Defence - NEWINGTON [10327]	NSW	In buffer area only
Defence - NEWINGTON [10320]	NSW	In buffer area only
Defence - NEWINGTON [10321]	NSW	In buffer area only
Defence - NEWINGTON [10322]	NSW	In buffer area only
Defence - NEWINGTON [10328]	NSW	In buffer area only
Defence - NEWINGTON [10987]	NSW	In buffer area only
Defence - NEWINGTON [10988]	NSW	In buffer area only
Defence - NEWINGTON [10986]	NSW	In buffer area only
Defence - NEWINGTON [10478]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10479]	NSW	In buffer area only
Defence - NEWINGTON [10989]	NSW	In buffer area only
Defence - NEWINGTON [10387]	NSW	In buffer area only
Defence - NEWINGTON [10642]	NSW	In buffer area only
Defence - NEWINGTON [10967]	NSW	In buffer area only
Defence - NEWINGTON [10966]	NSW	In buffer area only
Defence - NEWINGTON [10893]	NSW	In buffer area only
Defence - NEWINGTON [10964]	NSW	In buffer area only
Defence - NEWINGTON [10633]	NSW	In buffer area only
Defence - NEWINGTON [10632]	NSW	In buffer area only
Defence - NEWINGTON [10631]	NSW	In buffer area only
Defence - NEWINGTON [10630]	NSW	In buffer area only
Defence - NEWINGTON [11047]	NSW	In buffer area only
Defence - NEWINGTON [10968]	NSW	In buffer area only
Defence - NEWINGTON [11045]	NSW	In buffer area only
Defence - NEWINGTON [11044]	NSW	In buffer area only
Defence - NEWINGTON [10895]	NSW	In buffer area only
Defence - NEWINGTON [11041]	NSW	In buffer area only
Defence - NEWINGTON [11046]	NSW	In buffer area only
Defence - NEWINGTON [11042]	NSW	In buffer area only
Defence - NEWINGTON [10897]	NSW	In buffer area only
Defence - NEWINGTON [11040]	NSW	In buffer area only
Defence - NEWINGTON [11043]	NSW	In buffer area only
Defence - NEWINGTON [10896]	NSW	In buffer area only
Defence - NEWINGTON [10386]	NSW	In buffer area only
Defence - NEWINGTON [11049]	NSW	In buffer area only
Defence - NEWINGTON [11048]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10451]	NSW	In buffer area only
Defence - NEWINGTON [10450]	NSW	In buffer area only
Defence - NEWINGTON [10936]	NSW	In buffer area only
Defence - NEWINGTON [10455]	NSW	In buffer area only
Defence - NEWINGTON [10898]	NSW	In buffer area only
Defence - NEWINGTON [10899]	NSW	In buffer area only
Defence - NEWINGTON [10619]	NSW	In buffer area only
Defence - NEWINGTON [10561]	NSW	In buffer area only
Defence - NEWINGTON [10803]	NSW	In buffer area only
Defence - NEWINGTON [10802]	NSW	In buffer area only
Defence - NEWINGTON [10801]	NSW	In buffer area only
Defence - NEWINGTON [10800]	NSW	In buffer area only
Defence - NEWINGTON [10884]	NSW	In buffer area only
Defence - NEWINGTON [10885]	NSW	In buffer area only
Defence - NEWINGTON [10805]	NSW	In buffer area only
Defence - NEWINGTON [10477]	NSW	In buffer area only
Defence - NEWINGTON [10886]	NSW	In buffer area only
Defence - NEWINGTON [10887]	NSW	In buffer area only
Defence - NEWINGTON [10475]	NSW	In buffer area only
Defence - NEWINGTON [10476]	NSW	In buffer area only
Defence - NEWINGTON [10473]	NSW	In buffer area only
Defence - NEWINGTON [10474]	NSW	In buffer area only
Defence - NEWINGTON [10807]	NSW	In buffer area only
Defence - NEWINGTON [10804]	NSW	In buffer area only
Defence - NEWINGTON [10574]	NSW	In buffer area only
Defence - NEWINGTON [10575]	NSW	In buffer area only
Defence - NEWINGTON [10443]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10576]	NSW	In buffer area only
Defence - NEWINGTON [10577]	NSW	In buffer area only
Defence - NEWINGTON [10445]	NSW	In buffer area only
Defence - NEWINGTON [10578]	NSW	In buffer area only
Defence - NEWINGTON [10442]	NSW	In buffer area only
Defence - NEWINGTON [10579]	NSW	In buffer area only
Defence - NEWINGTON [10447]	NSW	In buffer area only
Defence - NEWINGTON [10472]	NSW	In buffer area only
Defence - NEWINGTON [10446]	NSW	In buffer area only
Defence - NEWINGTON [10881]	NSW	In buffer area only
Defence - NEWINGTON [10880]	NSW	In buffer area only
Defence - NEWINGTON [10883]	NSW	In buffer area only
Defence - NEWINGTON [10882]	NSW	In buffer area only
Defence - NEWINGTON [10570]	NSW	In buffer area only
Defence - NEWINGTON [10573]	NSW	In buffer area only
Defence - NEWINGTON [10572]	NSW	In buffer area only
Defence - NEWINGTON [10908]	NSW	In buffer area only
Defence - NEWINGTON [10311]	NSW	In buffer area only
Defence - NEWINGTON [10639]	NSW	In buffer area only
Defence - NEWINGTON [10909]	NSW	In buffer area only
Defence - NEWINGTON [10314]	NSW	In buffer area only
Defence - NEWINGTON [10315]	NSW	In buffer area only
Defence - NEWINGTON [10316]	NSW	In buffer area only
Defence - NEWINGTON [10317]	NSW	In buffer area only
Defence - NEWINGTON [10669]	NSW	In buffer area only
Defence - NEWINGTON [10900]	NSW	In buffer area only
Defence - NEWINGTON [10901]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10870]	NSW	In buffer area only
Defence - NEWINGTON [10871]	NSW	In buffer area only
Defence - NEWINGTON [10518]	NSW	In buffer area only
Defence - NEWINGTON [11014]	NSW	In buffer area only
Defence - NEWINGTON [11017]	NSW	In buffer area only
Defence - NEWINGTON [11012]	NSW	In buffer area only
Defence - NEWINGTON [11015]	NSW	In buffer area only
Defence - NEWINGTON [11018]	NSW	In buffer area only
Defence - NEWINGTON [11016]	NSW	In buffer area only
Defence - NEWINGTON [11019]	NSW	In buffer area only
Defence - NEWINGTON [10873]	NSW	In buffer area only
Defence - NEWINGTON [10872]	NSW	In buffer area only
Defence - NEWINGTON [10879]	NSW	In buffer area only
Defence - NEWINGTON [10878]	NSW	In buffer area only
Defence - NEWINGTON [10699]	NSW	In buffer area only
Defence - NEWINGTON [10512]	NSW	In buffer area only
Defence - NEWINGTON [10513]	NSW	In buffer area only
Defence - NEWINGTON [10510]	NSW	In buffer area only
Defence - NEWINGTON [10511]	NSW	In buffer area only
Defence - NEWINGTON [11011]	NSW	In buffer area only
Defence - NEWINGTON [10457]	NSW	In buffer area only
Defence - NEWINGTON [10456]	NSW	In buffer area only
Defence - NEWINGTON [11013]	NSW	In buffer area only
Defence - NEWINGTON [11010]	NSW	In buffer area only
Defence - NEWINGTON [10306]	NSW	In buffer area only
Defence - NEWINGTON [10307]	NSW	In buffer area only
Defence - NEWINGTON [10877]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10304]	NSW	In buffer area only
Defence - NEWINGTON [10305]	NSW	In buffer area only
Defence - NEWINGTON [10454]	NSW	In buffer area only
Defence - NEWINGTON [10308]	NSW	In buffer area only
Defence - NEWINGTON [10459]	NSW	In buffer area only
Defence - NEWINGTON [10309]	NSW	In buffer area only
Defence - NEWINGTON [10452]	NSW	In buffer area only
Defence - NEWINGTON [10611]	NSW	In buffer area only
Defence - NEWINGTON [10453]	NSW	In buffer area only
Defence - NEWINGTON [10951]	NSW	In buffer area only
Defence - NEWINGTON [10519]	NSW	In buffer area only
Defence - NEWINGTON [10552]	NSW	In buffer area only
Defence - NEWINGTON [10965]	NSW	In buffer area only
Defence - NEWINGTON [10949]	NSW	In buffer area only
Defence - NEWINGTON [10874]	NSW	In buffer area only
Defence - NEWINGTON [10557]	NSW	In buffer area only
Defence - NEWINGTON [10876]	NSW	In buffer area only
Defence - NEWINGTON [10875]	NSW	In buffer area only
Defence - NEWINGTON [10520]	NSW	In buffer area only
Defence - NEWINGTON [10523]	NSW	In buffer area only
Defence - NEWINGTON [10301]	NSW	In buffer area only
Defence - NEWINGTON [10300]	NSW	In buffer area only
Defence - NEWINGTON [10299]	NSW	In buffer area only
Defence - NEWINGTON [10298]	NSW	In buffer area only
Defence - NEWINGTON [10297]	NSW	In buffer area only
Defence - NEWINGTON [10296]	NSW	In buffer area only
Defence - NEWINGTON [10295]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10294]	NSW	In buffer area only
Defence - NEWINGTON [10515]	NSW	In buffer area only
Defence - NEWINGTON [10302]	NSW	In buffer area only
Defence - NEWINGTON [10514]	NSW	In buffer area only
Defence - NEWINGTON [10842]	NSW	In buffer area only
Defence - NEWINGTON [10517]	NSW	In buffer area only
Defence - NEWINGTON [10499]	NSW	In buffer area only
Defence - NEWINGTON [10516]	NSW	In buffer area only
Defence - NEWINGTON [10846]	NSW	In buffer area only
Defence - NEWINGTON [10841]	NSW	In buffer area only
Defence - NEWINGTON [10888]	NSW	In buffer area only
Defence - NEWINGTON [10889]	NSW	In buffer area only
Defence - NEWINGTON [10525]	NSW	In buffer area only
Defence - NEWINGTON [10524]	NSW	In buffer area only
Defence - NEWINGTON [10303]	NSW	In buffer area only
Defence - NEWINGTON [10526]	NSW	In buffer area only
Defence - NEWINGTON [10283]	NSW	In buffer area only
Defence - NEWINGTON [10847]	NSW	In buffer area only
Defence - NEWINGTON [10290]	NSW	In buffer area only
Defence - NEWINGTON [10809]	NSW	In buffer area only
Defence - NEWINGTON [10806]	NSW	In buffer area only
Defence - NEWINGTON [10808]	NSW	In buffer area only
Defence - NEWINGTON [10248]	NSW	In buffer area only
Defence - NEWINGTON [10849]	NSW	In buffer area only
Defence - NEWINGTON [10291]	NSW	In buffer area only
Defence - NEWINGTON [10848]	NSW	In buffer area only
Defence - NEWINGTON [10292]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - NEWINGTON [10927]	NSW	In buffer area only
Defence - NEWINGTON [10293]	NSW	In buffer area only
Defence - NEWINGTON [10495]	NSW	In buffer area only
Defence - NEWINGTON [10562]	NSW	In buffer area only
Defence - NEWINGTON [10563]	NSW	In buffer area only
Defence - NEWINGTON [10285]	NSW	In buffer area only
Defence - NEWINGTON [10555]	NSW	In buffer area only
Defence - NEWINGTON [10286]	NSW	In buffer area only
Defence - NEWINGTON [10992]	NSW	In buffer area only
Defence - NEWINGTON [10993]	NSW	In buffer area only
Defence - NEWINGTON [10284]	NSW	In buffer area only
Defence - NEWINGTON [10845]	NSW	In buffer area only
Defence - NEWINGTON [10550]	NSW	In buffer area only
Defence - NEWINGTON [10528]	NSW	In buffer area only
Defence - NEWINGTON [10844]	NSW	In buffer area only
Defence - NEWINGTON [10282]	NSW	In buffer area only
Defence - NEWINGTON [10259]	NSW	In buffer area only
Defence - NEWINGTON [10287]	NSW	In buffer area only
Defence - NEWINGTON [10258]	NSW	In buffer area only
Defence - NEWINGTON [10529]	NSW	In buffer area only
Defence - NORTH SYDNEY - HYDRO OFFICE [11161]	NSW	In buffer area only
Defence - PYMBLE MULTI-USER DEPOT [11123]	NSW	In buffer area only
Defence - SPECTACLE ISLAND [10036]	NSW	In buffer area only
Defence - SPECTACLE ISLAND [10035]	NSW	In buffer area only
Defence - SPECTACLE ISLAND [10038]	NSW	In buffer area only
Defence - SPECTACLE ISLAND [10037]	NSW	In buffer area only
Defence - TIMOR BARRACKS - DUNDAS [11097]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence - TIMOR BARRACKS - DUNDAS [11096]	NSW	In buffer area only
Defence - WILLOUGHBY TRG DEP [11140]	NSW	In buffer area only
Defence - WILLOUGHBY TRG DEP [11141]	NSW	In buffer area only
Defence - WILLOUGHBY TRG DEP [11142]	NSW	In buffer area only
Defence - WILLOUGHBY TRG DEP [11143]	NSW	In buffer area only
Defence - WILLOUGHBY TRG DEP [11145]	NSW	In buffer area only
Defence - WILLOUGHBY TRG DEP [11144]	NSW	In buffer area only
Defence - WILLOUGHBY TRG DEP [11151]	NSW	In buffer area only
Defence - WILLOUGHBY TRG DEP [11149]	NSW	In buffer area only
Defence - WILLOUGHBY TRG DEP [11159]	NSW	In buffer area only
Defence - WILLOUGHBY TRG DEP [11150]	NSW	In buffer area only
Defence - WILLOUGHBY TRG DEP [11158]	NSW	In buffer area only
Defence - WILLOUGHBY TRG DEP [11148]	NSW	In buffer area only
Defence - WILLOUGHBY TRG DEP [11138]	NSW	In buffer area only
Defence - WILLOUGHBY TRG DEP [11139]	NSW	In buffer area only
Defence - WILLOUGHBY TRG DEP [11147]	NSW	In buffer area only
Defence - WILLOUGHBY TRG DEP [11157]	NSW	In buffer area only
Defence - WILLOUGHBY TRG DEP [11156]	NSW	In buffer area only
Defence - WILLOUGHBY TRG DEP [11155]	NSW	In buffer area only
Defence - WILLOUGHBY TRG DEP [11154]	NSW	In buffer area only
Defence - WILLOUGHBY TRG DEP [11153]	NSW	In buffer area only
Defence - WILLOUGHBY TRG DEP [11152]	NSW	In buffer area only
Defence - WILLOUGHBY TRG DEP [11146]	NSW	In buffer area only
Defence - Defence Housing Authority		
Commonwealth Land - Defence Housing Authority [13008]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13009]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [15974]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Commonwealth Land - Defence Housing Authority [15975]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [15976]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [15977]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [15972]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [15973]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13932]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13050]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [15683]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13045]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [16356]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [16357]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13049]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13957]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13956]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [15711]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13046]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13012]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [15590]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13964]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13051]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13940]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13941]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13038]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13035]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13920]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13939]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13938]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Commonwealth Land - Defence Housing Authority [13133]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13052]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13053]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13931]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13927]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13928]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13929]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [15743]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [15602]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13036]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13006]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13935]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13933]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [16163]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13105]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13936]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [15739]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13937]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [15417]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13901]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [16029]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13124]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13902]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13907]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13905]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13904]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13044]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Commonwealth Land - Defence Housing Authority [13026]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13007]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [15892]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [16134]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [15895]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [15896]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [15893]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [16133]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [16132]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [16135]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13919]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13918]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13029]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13028]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13963]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13916]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13023]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13032]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13942]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13943]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13944]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13945]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13030]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13037]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13096]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13084]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13089]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Commonwealth Land - Defence Housing Authority [13027]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [16061]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13025]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13024]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [15672]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [15671]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [15964]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13930]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13903]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13020]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13021]	NSW	In buffer area only
Commonwealth Land - Defence Housing Authority [13011]	NSW	In buffer area only
Commonwealth Land - Director of War Service Homes [13058]	NSW	In buffer area only
Commonwealth Land - Director of War Service Homes [13059]	NSW	In buffer area only
Commonwealth Land - Director of War Service Homes [13077]	NSW	In buffer area only
Commonwealth Land - Director of War Service Homes [13076]	NSW	In buffer area only
Commonwealth Land - Director of War Service Homes [13071]	NSW	In buffer area only
Commonwealth Land - Director of War Service Homes [13073]	NSW	In buffer area only
Commonwealth Land - Director of War Service Homes [13072]	NSW	In buffer area only
Commonwealth Land - Director of War Service Homes [13074]	NSW	In buffer area only
Commonwealth Land - Director of War Service Homes [13079]	NSW	In buffer area only
Commonwealth Land - Director of War Service Homes [13075]	NSW	In buffer area only
Commonwealth Land - Director of War Service Homes [13056]	NSW	In buffer area only
Commonwealth Land - Director of War Service Homes [13048]	NSW	In buffer area only
Commonwealth Land - Director of War Service Homes [13917]	NSW	In buffer area only
Commonwealth Land - Director of War Service Homes [13062]	NSW	In buffer area only
Commonwealth Land - Director of War Service Homes [13060]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Commonwealth Land - Director of War Service Homes [13063]	NSW	In buffer area only
Commonwealth Land - Director of War Service Homes [13090]	NSW	In buffer area only
Commonwealth Land - Director of War Service Homes [13061]	NSW	In buffer area only
Commonwealth Land - Director of War Service Homes [13082]	NSW	In buffer area only
Commonwealth Land - Director of War Service Homes [13081]	NSW	In buffer area only
Commonwealth Land - Director of War Service Homes [13080]	NSW	In buffer area only
Commonwealth Land - Director of War Service Homes [13083]	NSW	In buffer area only
Commonwealth Land - Director of War Service Homes [13085]	NSW	In buffer area only
Commonwealth Land - Director of War Service Homes [13088]	NSW	In buffer area only
Commonwealth Land - Director of War Service Homes [13086]	NSW	In buffer area only
Commonwealth Land - Director of War Service Homes [13087]	NSW	In buffer area only
Commonwealth Land - War Service Homes Commissioner [13015]	NSW	In buffer area only
Education, Science and Training - CSIRO		
Commonwealth Land - Commonwealth Scientific & Industrial Research Organisation [15954]	NSW	In buffer area only
Commonwealth Land - Commonwealth Scientific & Industrial Research Organisation [13070]	NSW	In buffer area only
Commonwealth Land - Commonwealth Scientific & Industrial Research Organisation [16154]	NSW	In buffer area only
Commonwealth Land - Commonwealth Scientific & Industrial Research Organisation [16152]	NSW	In buffer area only
Commonwealth Land - Commonwealth Scientific & Industrial Research Organisation [16155]	NSW	In buffer area only
Commonwealth Land - Commonwealth Scientific & Industrial Research Organisation [16535]	NSW	In buffer area only
Commonwealth Land - Commonwealth Scientific & Industrial Research Organisation [13069]	NSW	In buffer area only
Commonwealth Land - Commonwealth Scientific & Industrial Research Organisation [16153]	NSW	In buffer area only
Commonwealth Land - Commonwealth Scientific & Industrial Research Organisation [16536]	NSW	In buffer area only
Commonwealth Land - Commonwealth Scientific & Industrial Research Organisation [16156]	NSW	In buffer area only
Transport and Regional Services - Airservices Australia		

Commonwealth Land Name	State	Buffer Status
Commonwealth Land - Airservices Australia [13098]	NSW	In buffer area only
Treasury - Reserve Bank of Australia		
Commonwealth Land - Reserve Bank of Australia [13138]	NSW	In buffer area only
Unknown		
Commonwealth Land - [13013]	NSW	In buffer area only
Commonwealth Land - [16476]	NSW	In buffer area only
Commonwealth Land - [15673]	NSW	In buffer area only
Commonwealth Land - [16420]	NSW	In buffer area only
Commonwealth Land - [13078]	NSW	In buffer area only
Commonwealth Land - [13034]	NSW	In buffer area only
Commonwealth Land - [13934]	NSW	In buffer area only
Commonwealth Land - [13101]	NSW	In buffer area only
Commonwealth Land - [13141]	NSW	In buffer area only
Commonwealth Land - [13140]	NSW	In buffer area only
Commonwealth Land - [13122]	NSW	In buffer area only
Commonwealth Land - [13123]	NSW	In buffer area only
Commonwealth Land - [13120]	NSW	In buffer area only
Commonwealth Land - [13946]	NSW	In buffer area only
Commonwealth Land - [13031]	NSW	In buffer area only
Commonwealth Land - [15674]	NSW	In buffer area only

Commonwealth Heritage Places			[Resource Information]
Name	State	Status	Buffer Status
Historic			
Barracks Block	NSW	Listed place	In buffer area only
Biloela Group	NSW	Listed place	In buffer area only
Cockatoo Island Industrial Conservation Area	NSW	Listed place	In buffer area only
Fitzroy Dock	NSW	Listed place	In buffer area only
Mess Hall (former)	NSW	Listed place	In buffer area only
Military Guard Room	NSW	Listed place	In buffer area only

Name	State	Status	Buffer Status
North Sydney Post Office	NSW	Listed place	In buffer area only
Power House / Pump House	NSW	Listed place	In buffer area only
Prison Barracks Precinct	NSW	Listed place	In buffer area only
Snapper Island	NSW	Listed place	In buffer area only
Spectacle Island Explosives Complex	NSW	Listed place	In buffer area only
Sutherland Dock	NSW	Listed place	In buffer area only
Underground Grain Silos	NSW	Listed place	In buffer area only
Woolwich Dock	NSW	Listed place	In buffer area only

Listed Marine Species		[Resource Information]	
Scientific Name	Threatened Category	Presence Text	Buffer Status
Bird			
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat known to occur within area	In feature area
Anous stolidus Common Noddy [825]		Species or species habitat likely to occur within area	In buffer area only
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area overfly marine area	In feature area
Ardenna grisea as Puffinus griseus Sooty Shearwater [82651]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only
Arenaria interpres Ruddy Turnstone [872]	Vulnerable	Foraging, feeding or related behaviour known to occur within area	In buffer area only
Bubulcus ibis as Ardea ibis Cattle Egret [66521]		Species or species habitat may occur within area overfly marine area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Calidris acuminata Sharp-tailed Sandpiper [874]	Vulnerable	Foraging, feeding or related behaviour known to occur within area	In feature area
Calidris canutus Red Knot, Knot [855]	Vulnerable	Species or species habitat known to occur within area overfly marine area	In feature area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat known to occur within area overfly marine area	In feature area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat known to occur within area overfly marine area	In feature area
Calidris pugnax as Philomachus pugnax Ruff [91256]		Foraging, feeding or related behaviour known to occur within area overfly marine area	In buffer area only
Calidris ruficollis Red-necked Stint [860]		Foraging, feeding or related behaviour known to occur within area overfly marine area	In buffer area only
Calidris tenuirostris Great Knot [862]	Vulnerable	Foraging, feeding or related behaviour known to occur within area overfly marine area	In buffer area only
Calonectris leucomelas Streaked Shearwater [1077]		Species or species habitat known to occur within area	In buffer area only
Charadrius bicinctus Double-banded Plover [895]		Foraging, feeding or related behaviour known to occur within area overfly marine area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Charadrius mongolus Lesser Sand Plover, Mongolian Plover [879]	Endangered	Foraging, feeding or related behaviour known to occur within area	In buffer area only
Charadrius ruficapillus Red-capped Plover [881]		Foraging, feeding or related behaviour known to occur within area overfly marine area	In buffer area only
Diomedea antipodensis Antipodean Albatross [64458]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In buffer area only
Diomedea antipodensis gibsoni as Diomedea gibsoni Gibson's Albatross [82270]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In buffer area only
Diomedea epomophora Southern Royal Albatross [89221]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In buffer area only
Diomedea exulans Wandering Albatross [89223]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In buffer area only
Diomedea sanfordi Northern Royal Albatross [64456]	Endangered	Species or species habitat may occur within area	In buffer area only
Fregata ariel Lesser Frigatebird, Least Frigatebird [1012]		Species or species habitat likely to occur within area	In buffer area only
Fregata minor Great Frigatebird, Greater Frigatebird [1013]		Species or species habitat may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]	Vulnerable	Species or species habitat known to occur within area overfly marine area	In feature area
Gallinago megala Swinhoe's Snipe [864]		Foraging, feeding or related behaviour likely to occur within area overfly marine area	In buffer area only
Gallinago stenura Pin-tailed Snipe [841]		Foraging, feeding or related behaviour likely to occur within area overfly marine area	In buffer area only
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Breeding known to occur within area	In feature area
Himantopus himantopus Pied Stilt, Black-winged Stilt [870]		Foraging, feeding or related behaviour known to occur within area overfly marine area	In buffer area only
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area overfly marine area	In feature area
Lathamus discolor Swift Parrot [744]	Critically Endangered	Species or species habitat known to occur within area overfly marine area	In feature area
Limosa lapponica Bar-tailed Godwit [844]		Species or species habitat known to occur within area	In buffer area only
Limosa limosa Black-tailed Godwit [845]	Endangered	Foraging, feeding or related behaviour known to occur within area overfly marine area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area	In buffer area only
Macronectes halli Northern Giant Petrel [1061]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In buffer area only
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area overfly marine area	In feature area
Monarcha melanopsis Black-faced Monarch [609]		Species or species habitat known to occur within area overfly marine area	In feature area
Motacilla flava Yellow Wagtail [644]		Species or species habitat likely to occur within area overfly marine area	In feature area
Myiagra cyanoleuca Satin Flycatcher [612]		Species or species habitat known to occur within area overfly marine area	In feature area
Neophema chrysostoma Blue-winged Parrot [726]	Vulnerable	Species or species habitat likely to occur within area overfly marine area	In feature area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat known to occur within area	In feature area
Numenius minutus Little Curlew, Little Whimbrel [848]		Foraging, feeding or related behaviour likely to occur within area overfly marine area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Numenius phaeopus Whimbrel [849]		Foraging, feeding or related behaviour known to occur within area	In buffer area only
Pachyptila turtur Fairy Prion [1066]		Species or species habitat known to occur within area	In buffer area only
Pandion haliaetus Osprey [952]		Species or species habitat known to occur within area	In buffer area only
Phaethon lepturus White-tailed Tropicbird [1014]		Species or species habitat may occur within area	In buffer area only
Pluvialis fulva Pacific Golden Plover [25545]		Foraging, feeding or related behaviour known to occur within area	In buffer area only
Pterodroma cervicalis White-necked Petrel [59642]		Species or species habitat may occur within area	In feature area
Recurvirostra novaehollandiae Red-necked Avocet [871]		Foraging, feeding or related behaviour known to occur within area overfly marine area	In buffer area only
Rhipidura rufifrons Rufous Fantail [592]		Species or species habitat known to occur within area overfly marine area	In feature area
Rostratula australis as Rostratula benghalensis (sensu lato) Australian Painted Snipe [77037]	Endangered	Species or species habitat known to occur within area overfly marine area	In feature area
Sterna striata White-fronted Tern [799]		Migration route may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Symposiachrus trivirgatus as Monarcha trivirgatus Spectacled Monarch [83946]		Species or species habitat known to occur within area overfly marine area	In feature area
Thalassarche bulleri Buller's Albatross, Pacific Albatross [64460]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche bulleri platei as Thalassarche sp. nov. Northern Buller's Albatross, Pacific Albatross [82273]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche cauta Shy Albatross [89224]	Endangered	Foraging, feeding or related behaviour likely to occur within area	In buffer area only
Thalassarche eremita Chatham Albatross [64457]	Endangered	Foraging, feeding or related behaviour may occur within area	In buffer area only
Thalassarche impavida Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche melanophris Black-browed Albatross [66472]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In buffer area only
Thalassarche salvini Salvin's Albatross [64463]	Vulnerable	Foraging, feeding or related behaviour likely to occur within area	In buffer area only
Thalassarche steadi White-capped Albatross [64462]	Vulnerable	Foraging, feeding or related behaviour known to occur within area	In buffer area only
Tringa brevipes as Heteroscelus brevipes Grey-tailed Tattler [851]		Foraging, feeding or related behaviour known to occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Tringa nebularia Common Greenshank, Greenshank [832]	Endangered	Species or species habitat known to occur within area overfly marine area	In feature area
Tringa stagnatilis Marsh Sandpiper, Little Greenshank [833]		Foraging, feeding or related behaviour known to occur within area overfly marine area	In buffer area only

Reptile			
Caretta caretta Loggerhead Turtle [1763]	Endangered	Species or species habitat known to occur within area	In buffer area only
Chelonia mydas Green Turtle [1765]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Species or species habitat known to occur within area	In buffer area only
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Natator depressus Flatback Turtle [59257]	Vulnerable	Species or species habitat known to occur within area	In buffer area only

Whales and Other Cetaceans [Resource Information]			
Current Scientific Name	Status	Type of Presence	Buffer Status
Mammal			
Balaenoptera edeni Bryde's Whale [35]		Species or species habitat may occur within area	In buffer area only
Caperea marginata Pygmy Right Whale [39]		Foraging, feeding or related behaviour may occur within area	In buffer area only

Current Scientific Name	Status	Type of Presence	Buffer Status
Lagenorhynchus obscurus			
Dusky Dolphin [43]		Species or species habitat may occur within area	In buffer area only

Extra Information

State and Territory Reserves			[Resource Information]
Protected Area Name	Reserve Type	State	Buffer Status
Berowra Valley	National Park	NSW	In buffer area only
Berowra Valley	Regional Park	NSW	In buffer area only
Dalrymple-Hay	Nature Reserve	NSW	In buffer area only
Dural	Nature Reserve	NSW	In buffer area only
Garigal	National Park	NSW	In buffer area only
Ku-ring-gai Chase	National Park	NSW	In buffer area only
Lane Cove	National Park	NSW	In feature area
Newington	Nature Reserve	NSW	In buffer area only
Parramatta River	Regional Park	NSW	In buffer area only
Sydney Harbour	National Park	NSW	In buffer area only
Wallumatta	Nature Reserve	NSW	In buffer area only

Nationally Important Wetlands		[Resource Information]
Wetland Name	State	Buffer Status
Bicentennial Park	NSW	In buffer area only
Newington Wetlands	NSW	In buffer area only

EPBC Act Referrals				[Resource Information]
Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status
Coonara Residential Development	2023/09508		Post-Approval	In buffer area only
Parramatta Light Rail Stage 2	2022/09300		Post-Approval	In buffer area only

Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status
Westleigh Park Development	2023/09746		Completed	In buffer area only
Controlled action				
Concept Plan Proposal for residential and commercial development of UTS Kuring-	2008/4083	Controlled Action	Post-Approval	In buffer area only
North West Rail Link	2012/6360	Controlled Action	Post-Approval	In buffer area only
Proposed Residential Development and Demolition of Existing Dwelling	2008/4155	Controlled Action	Completed	In buffer area only
Redevelopment, Upgrade and Expansion of Wahroonga Estate	2008/4460	Controlled Action	Post-Approval	In buffer area only
Relocation of Grey-Headed Flying-Fox Colony	2008/4646	Controlled Action	Post-Approval	In buffer area only
Residential development of Lot 12, DP 17431	2007/3455	Controlled Action	Completed	In buffer area only
Residential Development of Lot 7 DP 270109 Eldon Green, West Pennant Hills	2010/5610	Controlled Action	Post-Approval	In buffer area only
residential subdivision 5 residential allotments DP 270109	2005/2340	Controlled Action	Completed	In buffer area only
Shell Clyde Terminal Expansion, Rosehill, NSW	2013/6878	Controlled Action	Post-Approval	In buffer area only
Not controlled action				
ABC Gore Hill, Lanceley Place Site Redevelopment	2002/908	Not Controlled Action	Completed	In buffer area only
ABC Proposed Sale of Property Commonwealth Land	2020/8855	Not Controlled Action	Completed	In buffer area only
Artarmon Helipad Relocation	2001/186	Not Controlled Action	Completed	In buffer area only
Change of use of existing room in research laboratory	2002/665	Not Controlled Action	Completed	In buffer area only
Clyde Barging Facility, Grand Avenue, Rosehill, NSW	2018/8140	Not Controlled Action	Completed	In buffer area only
Construct and operate an aerial adventure park	2012/6239	Not Controlled Action	Completed	In buffer area only
Construction, operation and maintenance of a new zone substation	2011/5901	Not Controlled Action	Completed	In buffer area only

Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status
Not controlled action				
Construction and Operation of the Parramatta Rail Link - between Parramatta and	2002/673	Not Controlled Action	Completed	In feature area
construction of four dwellings and associated facilities	2005/2396	Not Controlled Action	Completed	In buffer area only
Decommissioning of Army Depot, Haberfield	2001/217	Not Controlled Action	Completed	In buffer area only
Demolition of Ablutions Block, Snapper Island, NSW	2018/8303	Not Controlled Action	Completed	In buffer area only
Fuel Reduction Proposal Redfield Road, East Killara	2003/1238	Not Controlled Action	Completed	In feature area
Gore Hill Conservation Management Plan	2000/109	Not Controlled Action	Completed	In buffer area only
Improving rabbit biocontrol: releasing another strain of RHDV, sthrn two thirds of Australia	2015/7522	Not Controlled Action	Completed	In feature area
INDIGO Central Submarine Telecommunications Cable	2017/8127	Not Controlled Action	Completed	In buffer area only
Ivanhoe Estate Redevelopment, Macquarie Park, NSW	2019/8455	Not Controlled Action	Completed	In buffer area only
M2 Motorway Upgrade	2010/5329	Not Controlled Action	Completed	In feature area
Parramatta Light Rail (Stage 1) - Westmead to Carlingford, via Parramatta CBD	2017/7966	Not Controlled Action	Completed	In buffer area only
Proposed third rail track and associated infrastructure	2013/6760	Not Controlled Action	Completed	In buffer area only
Pymble Ladies College Proposed Senior's Learning Centre and Carparking Area	2009/5168	Not Controlled Action	Completed	In buffer area only
Redevelopment of Lot 1 DP 375262 and Lot 1 DP 726091 (formerly John Williams Res	2006/3161	Not Controlled Action	Completed	In buffer area only
Rehabilitation works of the Coogee Sewer Diversion Submain - Maxwell Avenue, Mar	2004/1683	Not Controlled Action	Completed	In buffer area only
Remediation of contaminated asbestos site	2002/608	Not Controlled Action	Completed	In buffer area only
Remediation of Contaminated Buildings	2005/1983	Not Controlled Action	Completed	In buffer area only

Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status
Not controlled action				
Remediation of Contaminated Soil	2005/1985	Not Controlled Action	Completed	In buffer area only
Removal of up to 7 trees at 17 Kissing Point Road, Turramurra, NSW	2014/7369	Not Controlled Action	Completed	In buffer area only
Residential Development - 55 Coonara Avenue, West Pennant Hills NSW 2125	2021/8995	Not Controlled Action	Completed	In buffer area only
Residential Land Subdivision	2011/5963	Not Controlled Action	Completed	In buffer area only
Residential subdivision, cnr Doris Hirst Place and Highs Road	2005/2392	Not Controlled Action	Completed	In buffer area only
Residential subdivision and stormwater management facilities	2003/1141	Not Controlled Action	Completed	In feature area
Residential subdivision works, Spurway St, Ermington	2003/1130	Not Controlled Action	Completed	In buffer area only
Sale of Lot 1 DP858405 Turramurra NSW	2001/454	Not Controlled Action	Completed	In buffer area only
sewage treatment plant process and reliability renewals project	2005/2186	Not Controlled Action	Completed	In buffer area only
subdivision and development on the Rhodes Peninsula for residential and commerci	2003/1249	Not Controlled Action	Completed	In feature area
Subdivision and sale of Commonwealth land in Pymble to Ku-ring-gai City Council	2004/1368	Not Controlled Action	Completed	In feature area
Subdivision for warehouse construction	2000/119	Not Controlled Action	Completed	In buffer area only
Sub-division of 44 Blytheswood Avenue	2002/566	Not Controlled Action	Completed	In buffer area only
Sydney Metro Network Stage 2	2010/5307	Not Controlled Action	Completed	In buffer area only
Tree Removal Under 10/50 Vegetation Clearance, 10B Dalkeith Rd, Cherrybrook, NSW	2014/7337	Not Controlled Action	Completed	In buffer area only
Turramurra Retirement Village	2001/413	Not Controlled Action	Completed	In buffer area only
V8 Supercars "Sydney 400" Event	2009/4782	Not Controlled Action	Completed	In buffer area only

Not controlled action (particular manner)

Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status
Not controlled action (particular manner)				
INDIGO Marine Cable Route Survey (INDIGO)	2017/7996	Not Controlled Action (Particular Manner)	Post-Approval	In buffer area only
Replacement of flows with recycled water	2006/3050	Not Controlled Action (Particular Manner)	Post-Approval	In buffer area only
Rhodes 132/11 kV Zone Substation	2010/5779	Not Controlled Action (Particular Manner)	Post-Approval	In buffer area only
Site 68, Sydney Olympic Park mixed development, Homebush, NSW	2015/7445	Not Controlled Action (Particular Manner)	Post-Approval	In buffer area only
Referral decision				
Construction, operation and maintenance of a new zone substation	2011/5897	Referral Decision	Completed	In buffer area only
Ivanhoe Estate Redevelopment, Macquarie Park, NSW	2018/8184	Referral Decision	Completed	In buffer area only
Relocation of Grey-Headed Flying-Fox Colony	2008/4568	Referral Decision	Completed	In buffer area only
Bioregional Assessments			[Resource Information]	
SubRegion	BioRegion	Website	Buffer Status	
Sydney	Sydney Basin	BA website	In feature area	

Caveat

1 PURPOSE

This report is designed to assist in identifying the location of matters of national environmental significance (MNES) and other matters protected by the Environment Protection and Biodiversity Conservation Act 1999 (Cth) (EPBC Act) which may be relevant in determining obligations and requirements under the EPBC Act.

The report contains the mapped locations of:

- World and National Heritage properties;
- Wetlands of International and National Importance;
- Commonwealth and State/Territory reserves;
- distribution of listed threatened, migratory and marine species;
- listed threatened ecological communities; and
- other information that may be useful as an indicator of potential habitat value.

2 DISCLAIMER

This report is not intended to be exhaustive and should only be relied upon as a general guide as mapped data is not available for all species or ecological communities listed under the EPBC Act (see below). Persons seeking to use the information contained in this report to inform the referral of a proposed action under the EPBC Act should consider the limitations noted below and whether additional information is required to determine the existence and location of MNES and other protected matters.

Where data is available to inform the mapping of protected species, the presence type (e.g. known, likely or may occur) that can be determined from the data is indicated in general terms. It is the responsibility of any person using or relying on the information in this report to ensure that it is suitable for the circumstances of any proposed use. The Commonwealth cannot accept responsibility for the consequences of any use of the report or any part thereof. To the maximum extent allowed under governing law, the Commonwealth will not be liable for any loss or damage that may be occasioned directly or indirectly through the use of, or reliance on the contents of this report.

3 DATA SOURCES

Threatened ecological communities

For threatened ecological communities where the distribution is well known, maps are generated based on information contained in recovery plans, State vegetation maps and remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

Threatened, migratory and marine species

Threatened, migratory and marine species distributions have been discerned through a variety of methods. Where distributions are well known and if time permits, distributions are inferred from either thematic spatial data (i.e. vegetation, soils, geology, elevation, aspect, terrain, etc.) together with point locations and described habitat; or modelled (MAXENT or BIOCLIM habitat modelling) using point locations and environmental data layers.

Where little information is available for a species or large number of maps are required in a short time-frame, maps are derived either from 0.04 or 0.02 decimal degree cells; by an automated process using polygon capture techniques (static two kilometre grid cells, alpha-hull and convex hull); or captured manually or by using topographic features (national park boundaries, islands, etc.).

In the early stages of the distribution mapping process (1999-early 2000s) distributions were defined by degree blocks, 100K or 250K map sheets to rapidly create distribution maps. More detailed distribution mapping methods are used to update these distributions when time permits.

4 LIMITATIONS

The following species and ecological communities have not been mapped and do not appear in this report:

- threatened species listed as extinct or considered vagrants;
- some recently listed species and ecological communities;
- some listed migratory and listed marine species, which are not listed as threatened species; and
- migratory species that are very widespread, vagrant, or only occur in Australia in small numbers.

The following groups have been mapped, but may not cover the complete distribution of the species:

- listed migratory and/or listed marine seabirds, which are not listed as threatened, have only been mapped for recorded breeding sites; and
- seals which have only been mapped for breeding sites near the Australian continent

The breeding sites may be important for the protection of the Commonwealth Marine environment.

Refer to the metadata for the feature group (using the Resource Information link) for the currency of the information.

Acknowledgements

This database has been compiled from a range of data sources. The department acknowledges the following custodians who have contributed valuable data and advice:

- [-Office of Environment and Heritage, New South Wales](#)
- [-Department of Environment and Primary Industries, Victoria](#)
- [-Department of Primary Industries, Parks, Water and Environment, Tasmania](#)
- [-Department of Environment, Water and Natural Resources, South Australia](#)
- [-Department of Land and Resource Management, Northern Territory](#)
- [-Department of Environmental and Heritage Protection, Queensland](#)
- [-Department of Parks and Wildlife, Western Australia](#)
- [-Environment and Planning Directorate, ACT](#)
- [-Birdlife Australia](#)
- [-Australian Bird and Bat Banding Scheme](#)
- [-Australian National Wildlife Collection](#)
- [-Natural history museums of Australia](#)
- [-Museum Victoria](#)
- [-Australian Museum](#)
- [-South Australian Museum](#)
- [-Queensland Museum](#)
- [-Online Zoological Collections of Australian Museums](#)
- [-Queensland Herbarium](#)
- [-National Herbarium of NSW](#)
- [-Royal Botanic Gardens and National Herbarium of Victoria](#)
- [-Tasmanian Herbarium](#)
- [-State Herbarium of South Australia](#)
- [-Northern Territory Herbarium](#)
- [-Western Australian Herbarium](#)
- [-Australian National Herbarium, Canberra](#)
- [-University of New England](#)
- [-Ocean Biogeographic Information System](#)
- [-Australian Government, Department of Defence](#)
- [Forestry Corporation, NSW](#)
- [-Geoscience Australia](#)
- [-CSIRO](#)
- [-Australian Tropical Herbarium, Cairns](#)
- [-eBird Australia](#)
- [-Australian Government – Australian Antarctic Data Centre](#)
- [-Museum and Art Gallery of the Northern Territory](#)
- [-Australian Government National Environmental Science Program](#)
- [-Australian Institute of Marine Science](#)
- [-Reef Life Survey Australia](#)
- [-American Museum of Natural History](#)
- [-Queen Victoria Museum and Art Gallery, Inveresk, Tasmania](#)
- [-Tasmanian Museum and Art Gallery, Hobart, Tasmania](#)
- [-Other groups and individuals](#)

The Department is extremely grateful to the many organisations and individuals who provided expert advice and information on numerous draft distributions.

Please feel free to provide feedback via the [Contact us](#) page.

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