Native Vegetation Clearance

Mankama Poultry Farm 8 Notts Well Road, Paisley

Data Report

Clearance under the *Native Vegetation Regulations 2017* 24/07/2025

Prepared by Ecosphere Ecological Solutions



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ar	ea via	Threatened flora listed under the EPBC Act and NPW Act identified within 5 km of the Project PMST (Source 1), BDBSA (Source 2), or observed during the field survey. Likelihood are refers to presence within the Project area	of
id	entifie	Threatened fauna listed under the EPBC Act and NP&W Act and EPBC listed migratory faund within 5 km of the Project area via the PMST (Source 1), BDBSA (Source 2), or observed during survey. Likelihood of occurrence refers to presence within the Project area	ing

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1Application Information

Table 1. Application details.

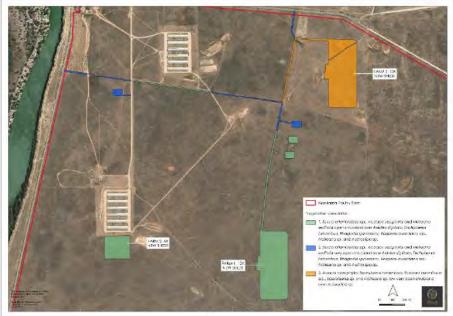
Applicant:	ProTen Ltd			
Key contact:	Spirecom Project Management			
Landowner:	ProTen Ltd Kenneth Wong PO Box 1746 North Sydney, New S	outh Wales, 2060		
Site Address:	8 Notts Well Road, Paisley, South Australia, 5357			
Local Government Area:	Loxton Waikerie	Hundred:	Paisley	
Title ID:	CT 5434/94	Parcel ID:	D25012A2	

Table 2. Summary of proposed clearance.

Purpose of Clearance	Clearance required to allow the currently operating broiler farm to extend one existing broiler shed group, construct two new broiler shed groups, and four associated dwellings for staff, as well as associated access roads to the broiler sheds and driveways to the staff dwellings.	
Native Vegetation Regulation	Regulation 12, Schedule 1; clause 33, New dwelling or building Regulation 12, Schedule 1; clause 37, Commercial vehicle access track exceeding 5 metres	
Description of the vegetation under application	Vegetation at the Project area is predominantly composed of semi-arid shrubland with differences in vegetation structure and diversity related to the degrading impacts of sheep grazing.	
	Three vegetation associations were recorded:	
	1. Senna artemisioides ssp., Acacia nyssophylla, and Maireana sedifolia open shrubland over Atriplex stipitata, Enchylaena tomentosa, Rhagodia spinescens, Roepera aurantiaca ssp., Maireana sp., and Austrostipa sp.	
	This vegetation association represents the best quality native vegetation within the Project area. Approximately 17.80 ha clearance in total.	
	2. Senna artemisioides ssp., Acacia nyssophylla, and Maireana sedifolia very open shrubland over Atriplex stipitata, Enchylaena tomentosa, Rhagodia spinescens, Roepera aurantiaca ssp., Maireana sp., and Austrostipa sp.	
	This vegetation association has similar diversity to vegetation association 1 but with a lower abundance of larger shrubs. Approximately 2.12 ha clearance in total.	
	3. Acacia nyssophylla, Enchylaena tomentosa, Roepera aurantiaca ssp., Sclerolaena sp., and Maireana sp. low very open shrubland over Austrostipa sp.	

	This vegetation association represents a highly degraded area of vegetation due to sheep grazing. Approximately 12.85 ha clearance in total.
Total proposed clearance - area (ha) and number of trees	32.77 ha
Level of clearance	Level 4
Overlay (Planning and Design Code)	Native Vegetation Overlay





Mitigation hierarchy

- The construction of additional broiler sheds, roads, and staff dwellings necessitates the clearance of native vegetation within the Project area.
- The project layout has been modified since the initial field survey and the current design results in making better use of existing access tracks.

	 Additional broiler sheds, roads, and staff dwellings are located within areas of sparser and / or more degraded vegetation compared to other areas within the overall allotment. The location of broiler shed group site 3 occurs within a highly degraded area of vegetation with little biodiversity value. Native vegetation will be planted around the Project area to act as screening for the broiler sheds and enhance biodiversity values of the surrounding area.
SEB Offset proposal	The SEB will be met through a payment into the NV fund. Total payment is \$418,666.72.

2Purpose of Clearance

2.1 Description

The Project area is located at Paisley, approximately 90 km north of Murray Bridge, South Australia (SA) (Figure 1). The surrounding land use is mainly dryland agriculture for cropping and grazing, or otherwise non-woody native vegetation. The purpose of clearance is to allow the currently operating broiler farm to extend one existing broiler shed group, construct two new broiler shed groups and four associated dwellings for staff, as well as associated access roads to the broiler sheds and driveways to the staff dwellings.

2.2 Background

2.2.1 Interim Biogeographic Regionalisation for Australia (IBRA)

The Interim Biogeographic Regionalisation for Australia (IBRA) identifies geographically distinct Bioregions based on common climate, geology, landform, native vegetation, and species information. These Bioregions are further refined into IBRA Subregions and IBRA Environmental Associations.

The Project area lies within the Murray Darling Depression IBRA Bioregion, the Murray Mallee IBRA Subregion, and the Blanchetown IBRA Environmental Association. The Murray Mallee IBRA Subregion has 21 % of its area composed of remnant native vegetation, of which 17 % is formally protected in reserves or heritage agreements. The Blanchetown IBRA Environmental Association has 67 % of its area composed of remnant native vegetation, of which 22 % is formally protected in reserves or heritage agreements.

2.2.2 National Vegetation Information System (NVIS)

The National Vegetation Information System (NVIS) represents the State Government's key extant native floristic vegetation mapping layer for SA and provides information on the extent and distribution of vegetation types in the state. The NVIS broadly maps the Project area as low open tussock grassland:

• Austrostipa sp. +/- Sclerolaena diacantha / uniflora +/- Enchylaena tomentosa +/- Sclerolaena obliquicuspis low open tussock grassland.

Two other vegetation groups may also occur interspersed within this broader vegetation type:

- Maireana sedifolia, Enchylaena tomentosa var. tomentosa, Rhagodia spinescens, Austrostipa sp. mid sparse shrubland.
- Alectryon oleifolius ssp. canescens, Enchylaena tomentosa var. tomentosa, Austrostipa sp., Sclerolaena obliquicuspis low open woodland.

2.3 General Location

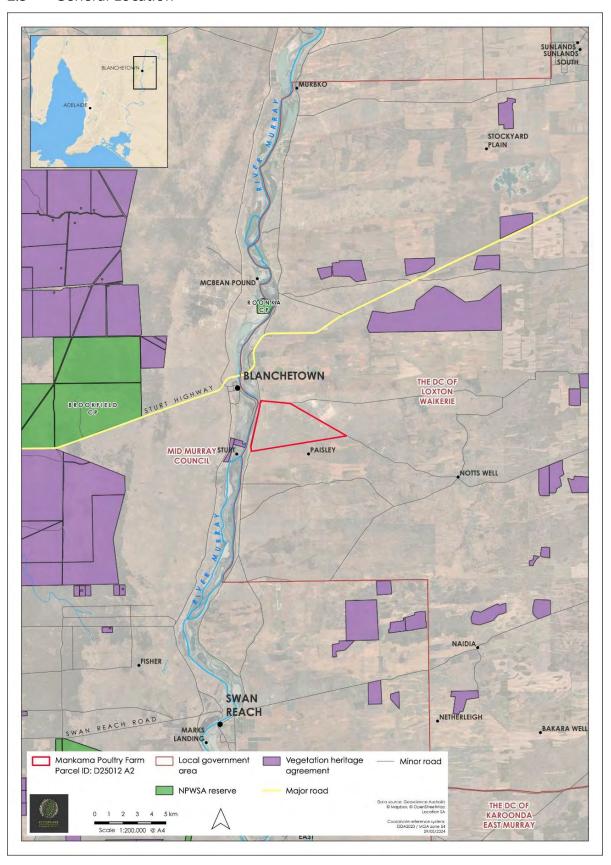


Figure 1. Regional location of the Project area.

2.4 Details of the Proposal

This project is centred around an existing broiler farm owned by ProTen. ProTen is the leading broiler chicken farm developer and operator in Australia. ProTen owns and operates a total of 561 poultry sheds across 47 broiler farms strategically located in SA, New South Wales, Victoria, Western Australia, and Queensland.

Two existing groups of six broiler sheds are located on the Paisley property and are actively managed and functioning under this purpose (Figure 3). One of these is to be extended with the addition of four extra broiler sheds for a total of ten broiler sheds per group. Two new groups of ten broiler sheds will also be constructed east of the existing groups of broiler sheds, as well as four new associated staff dwellings. Approximately 3.7 km of 10 m wide road will be constructed to allow access for heavy vehicles and machinery between the existing infrastructure on site and the new broiler sheds, and 370 m of 6 m wide driveways for staff dwelling access will be constructed (Figure 3).

The total clearance area of each new staff dwelling is approximately 0.375 ha. Inclusion of a 10 m buffer as per Schedule 1, Regulation 8, Clause 1- Vegetation within 10 metres of existing building, which allows clearance of vegetation within 10 metres of a building for the purpose of maintaining the building, would increase the allowed cumulative clearance to 0.654 ha per staff dwelling. Depending on whether the building will be used as a dwelling as defined in the Native Vegetation Regulations (i.e., "building or part of a building used as a self-contained residence") Schedule 1, Regulation 9, Clauses 1 and 17 – Fire prevention and control, may apply. This regulation allows for the clearance of vegetation for fire prevention and control measures to be undertaken around dwellings within a 20 m buffer. The proponent should seek clarity via the CFS regarding any applicable Bushfire Management Plan and seek clearance approval prior to clearing within the 10 – 20 m buffer of the new staff dwellings. The area of extension of the existing broiler shed group is approximately 4.394 ha (Table 2). These areas include both hardstands and access around the perimeter incorporating the 10 m buffer. The area of each new broiler shed group is approximately 12.253 ha for broiler shed group site 3 and 11.984 ha for broiler shed group site 4 (Table 2). These areas include both hardstands and access around the perimeter incorporating the 10 m buffer. Excluding areas of already cleared vegetation (i.e., vehicle access roads) within the Project area the total area of vegetation clearance required for the project is 32.77 ha.

ProTen has been contracted to produce broilers for Gourmet Poultry. The additional broiler sheds to be constructed will facilitate higher efficiency production, while simultaneously maintaining appropriate biosecurity by grouping broiler stages together in one age group. This results in significant efficiencies around transport and processing management.

The two new groups of broiler sheds and their associated staff dwellings are located to the east of the existing groups and micro-sited to avoid areas of denser vegetation and for biosecurity restrictions.

2.5 Approvals Required or Obtained

Provide details of the following approvals or applications under the follow legislation, where relevant:

- Native Vegetation Act 1991 (Clearance approval is subject of the current proposal)
- Planning, Development and Infrastructure Act 2016 (PDI Act) (Approval required for the current project)
- Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act) (Desktop assessment and field survey undertaken to determine if MNES occur within the Project area, detailed below)
- National Parks and Wildlife Act 1972 (NPW Act) (Desktop assessment and field survey undertaken to determine if state level threatened flora and fauna occur within the Project area, detailed below)
- Landscape South Australia Act 2019 (LSA Act) (Desktop assessment and field survey undertaken to determine if weeds of concern occur within the Project area, detailed below)

2.6 Native Vegetation Regulation

Schedule 1, Regulation 12, Clause 33 – New dwelling or building.

To allow clearance of vegetation for a new dwelling or building approved under the *Development Act 1993* (superseded by the *Planning, Development and Infrastructure Act 2016*). This also includes clearance for associated structures (that have development approval).

The new dwelling / building must be situated in a location that avoids and minimises the loss of native vegetation. It should be able to be demonstrated that any alternatives have been considered. Depending on how large the allotment, consideration of all areas for the dwelling / building should occur, including those areas that involve no vegetation clearance situated on a different part of the block or where the vegetation is shown to be less significant (or more degraded) than the vegetation proposed to be cleared.

Proponent must comply with the following additional requirements:

• Clearance for a new building, dwelling or ancillary development provided that any relevant consent has been provided under the *Development Act 1993* (superseded by the PDI Act).

Regulation 12, Schedule 1; clause 37, Commercial vehicle access track exceeding 5 metres.

To allow clearance of vegetation to establish or widen a commercial vehicle access track, intended to transport farm machinery.

Proponent must comply with the following additional requirements:

- Clearance to establish or widen an access track that is more than 5 metres in width; and
- Use of the track is for commercial purposes by vehicles having at least 4 wheels; and
- The track must be reasonably required to provide access for large commercial vehicles.

2.7 Development Application Information

Under the PDI Act the property of 8 Notts Well Road is zoned as Rural and falls within the following overlays:

- Dwelling Excision
- Hazards (Bushfire Regional)
- Heritage Adjacency
- Hazards (Flooding Evidence Required)
- Key Outback and Rural Routes
- Murray-Darling Basin
- Native Vegetation

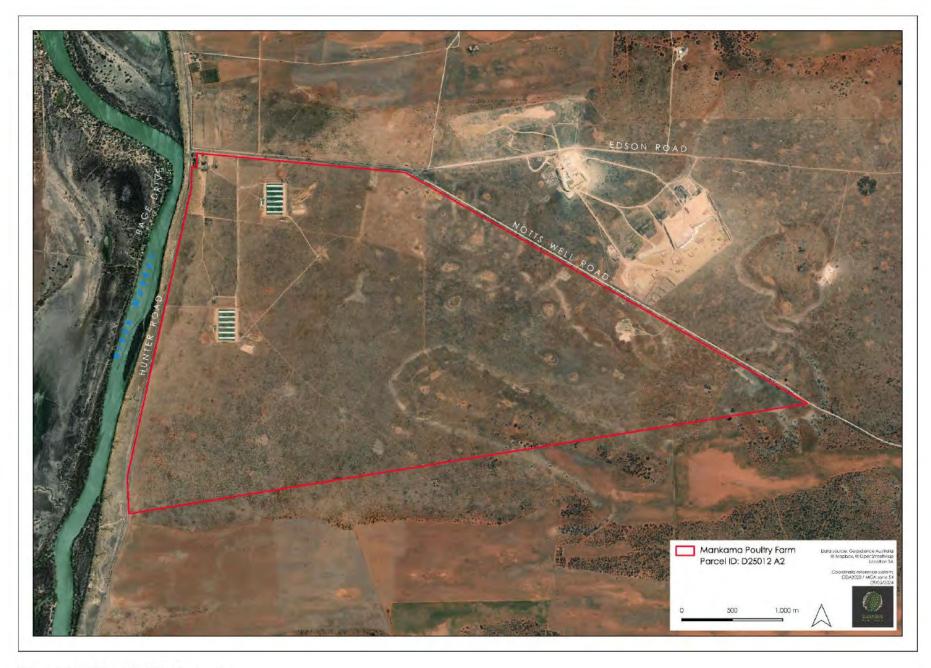


Figure 2. Lot 2 Notts Well Road parcel

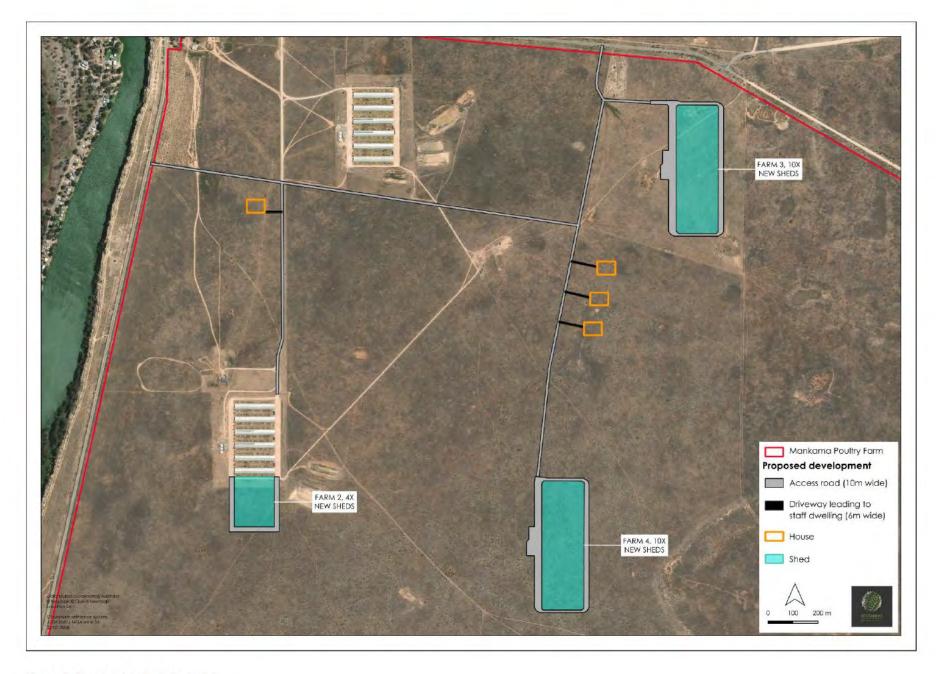


Figure 3. Proposed project footprint

3 Methods

3.1 Desktop Assessment

A desktop assessment was used to search for records of threatened communities, flora, and fauna that possibly occur within 5 km of the Project area located at 8 Notts Well Road.

3.1.1 Protected Matters Search Tool (PMST)

A Protected Matters Search Tool (PMST) report was generated on 23rd of April 2024 to identify MNES under the EPBC Act relevant to the Project area (DCCEEW 2024a) (see section 4.4 for the PMST report summary and appendix 9.1 for the full PMST report results). The PMST is maintained by the Department of Climate Change, Energy the Environment and Water (DCCEEW) and was used to identify flora and fauna or ecological communities of national environmental significance that may occur or are likely to have suitable habitat within 5 km of the Project area.

3.1.2 Biological Database of South Australia (BDBSA)

Records for threatened flora and fauna species listed under the EPBC Act and NPW Act were assessed using the Biological Database of South Australia (BDBSA) Supertable (DEW 2024a), accessed via the general query tool on NatureMaps (NatureMaps 2024) (see sections 0 and 4.6 for summaries of the BDBSA search results and appendix 9.2 and 9.3 for the full BDBSA search results). The BDBSA is comprised of an integrated collection of corporate databases which meet Department for Environment and Water (DEW) standards for data quality, integrity, and maintenance. In addition to DEW biological data the BDBSA also includes data from partner organisations (Birdlife Australia, Birds SA, Australasian Wader Study Group, SA Museum, and other State Government Agencies). This data is included under agreement with the partner organisation for ease of distribution, but they remain owners of the data and should be contacted directly for further information. The dataset was obtained on 23rd of April 2024 and was used to identify records of threatened flora and fauna that have been recorded within 5 km of the Project area, have a spatial reliability of < 1 km, and were recorded during or after 1995 as per the Bushland Assessment Method (BAM) (2024).

3.2 Assessment of the Likelihood of Occurrence

A likelihood of occurrence assessment for each threatened flora and fauna species or subspecies highlighted by the PMST report and the BDBSA search as potentially occurring in the Project area was conducted. This assessment was used to filter the outputs of the PMST report and BDBSA search results to derive a subset of flora and fauna with potential to occur in the Project area for consideration during the field survey. The assessment was updated with habitat suitability information obtained during the field survey.

A likelihood of occurrence rating (i.e., Highly Likely / Known, Likely, Possible, and Unlikely) was assigned to each threatened flora and fauna species or subspecies identified in the desktop PMST report and BDBSA search (Table 3). See Table 7 and Table 8 for outcomes of the likelihood of occurrence assessment.

Table 3. Criteria for the likelihood of occurrence within the Project area.

Likelihood	Criteria	
Highly Likely / Known	Recorded in the last 10 years, the species does not have highly specific niche requirements, the habitat is largely intact and falls within the known range of the species distribution or; The species was recorded as part of field surveys.	
Likely	Recorded within the previous 20 years, the area falls within the known distribution of the species and the area provides species habitat which is largely intact.	

Likelihood	Criteria
Possible	Recorded within the previous 20 years, the area falls inside the known distribution of the species, but the area does not provide species habitat which is largely intact.
	Recorded within 20-40 years, survey effort is considered adequate, habitat is present and intact, and species of similar habitat needs have been recorded in the area.
Unlikely	Recorded within 20-40 years; however, suitable habitat does not occur, and species of similar habitat requirements have not been recorded in the area.
	No records within the previous 40 years despite suitable habitat being known to occur in the area.
	No records despite adequate survey effort.

3.3 Field Survey

A field survey was undertaken by Ecosphere Ecological Solutions on the 7th of May 2024.

3.3.1 Vegetation survey

The vegetation survey was performed in accordance with the BAM (NVC 2024). The BAM was designed for assessing vegetation that is located within the agricultural region of SA in addition to the Port Augusta City Council and the Flinders Ranges Council. The BAM uses biodiversity surrogates or indicators to measure biodiversity value against benchmark communities. Each area to be assessed is termed an application area (Block), within which different vegetation associations (Sites) are identified. Sites are identified based on both flora composition and levels of degradation. For the BAM, three components of the biodiversity value of the Site are measured and scored (Vegetation Condition, Landscape Context, and Conservation Significance). These three component scores are combined to provide a Unit Biodiversity Score (UBS) for a hectare (ha) and then multiplied by the size in ha of the Site to provide a Total Biodiversity Score for the Site. Multiple Sites within a Block are totalled to reach the final overall score.

The vegetation survey was performed on the 7th of May 2024 based on an older project layout. The project layout has since been subsequently updated and thus the vegetation present in some areas of the current design has not been ground truthed. The vegetation deemed to be present is based on an extrapolation of aerial imagery and known areas of vegetation from the prior field survey.

3.4 Desktop Study Limitations

The content of the desktop study was derived from existing datasets and references from a range of sources. Flora and fauna records were sourced from the PMST report and the BDBSA search via NatureMaps (2024). The BDBSA only includes verified flora and fauna records submitted to DEW or partner organisations. It is recognised that drawing conclusions can be unreliable within areas that have been underrepresented in terms of biological studies. It is possible, therefore, that significant species occur within the Project area that were not reflected by database records.

4Assessment Outcomes

4.1 Vegetation Assessment

General description of the vegetation, the site and matters of significance:

Landform, geography and soils

The Project area is located at Paisley, approximately 90 km north of Murray Bridge, SA (Figure 1). The surrounding land use is mainly dryland agriculture for cropping and grazing, or otherwise non-woody native vegetation. The Project area lies within the Blanchetown IBRA Environmental Association. Broadly the soil within the location of the Project area consists of shallow calcareous loam on calcrete (NatureMaps 2024). The topography of the area consists of low-lying flat calcrete plains adjacent to the Murray River. The soils of the area are mostly non-arable.

• Landform features of significance (rivers, creeks, rocky outcrops, etc.)

There are no landform features of significance within the Project area. The Murray River lies approximately 1.5 km to the west of the Project area.

• General overview of the vegetation under application as a whole (e.g. number of vegetation associations / trees)

Vegetation at the Project area is predominantly composed of semi-arid shrubland consisting of *Senna artemisioides* ssp., *Acacia nyssophylla* and *Maireana sedifolia* over an understorey of *Atriplex stipitata*, *Enchylaena tomentosa*, *Rhagodia spinescens*, *Roepera aurantiaca* ssp., *Maireana* sp. and *Austrostipa* sp. Two vegetation associations were recognised based on the density of larger shrubs (0.5 – 2m) of *Senna artemisioides* ssp., *Acacia nyssophylla* and *Maireana sedifolia*.

Sheep grazing has significantly impacted vegetation within the northeast section of the Project area, in the location of broiler shed group site 3, and this area was classified as a separate vegetation association consisting of sparsely distributed low growing shrubs (< 0.5 m) of *Acacia nyssophylla*, *Enchylaena tomentosa*, *Roepera aurantiaca* ssp., and *Maireana* sp. over *Austrostipa* sp. In particular, as a result of sheep grazing, much of this vegetation association consists of barren unvegetated soil.

• General description of the vegetation relating to type and condition (i.e. is the vegetation relatively homogeneous, or is there significant variation)

The vegetation within the Project area is relatively homogenous with differences in vegetation structure and diversity related to the degrading impacts of sheep grazing.

• Provide a description of the landscape context for the vegetation (e.g. isolated patch of vegetation in cropping landscape) and proximity to protected areas (Conservation Parks, Heritage Agreements, etc.)

The Project area is located within the property boundaries of an operating broiler farm owned by ProTen. The vegetation within the property consists of more or less degraded shrubland forming part of the wider vegetation community within the surrounding area. There is one Heritage Agreement within 5 km of the Project area which lies approximately 3.2 km to the south-west along the bank of the Murray River. Two SEB Offset Areas of approximately 73.98 ha and 16.69 ha occur within the property but will be unimpacted by the development.

4.2 Vegetation Associations

None of the vegetation associations recorded within the Project area were associated with a Threatened Ecological Community under the EPBC Act (Table 4 and Figure 4).

Table 4 Vegetation associations occurring within the Project area and their area of clearance.

Association	Description	Area (ha)
1	Senna artemisioides ssp., Acacia nyssophylla, and Maireana sedifolia open shrubland over Atriplex stipitata, Enchylaena tomentosa, Rhagodia spinescens, Roepera aurantiaca ssp., Maireana sp., and Austrostipa sp.	17.80
2	Senna artemisioides ssp., Acacia nyssophylla, and Maireana sedifolia very open shrubland over Atriplex stipitata, Enchylaena tomentosa, Rhagodia spinescens, Roepera aurantiaca ssp., Maireana sp., and Austrostipa sp.	2.12
3	Acacia nyssophylla, Enchylaena tomentosa, Roepera aurantiaca ssp., Sclerolaena sp., and Maireana sp. low very open shrubland over Austrostipa sp.	12.85

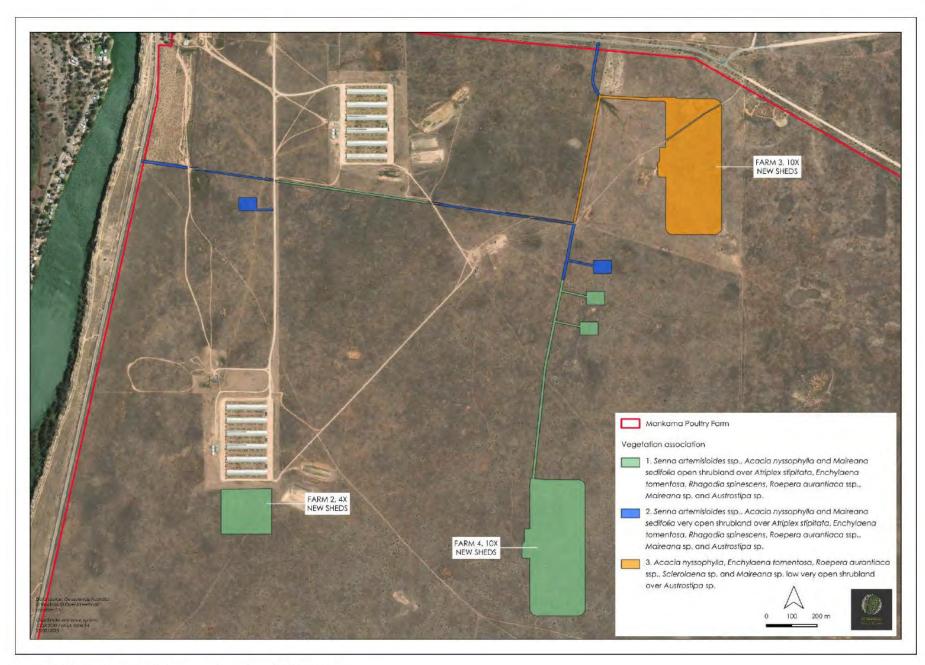


Figure 4. Vegetation association mapping of the Project area.

Vegetation Association 1		, and Maireana sedifolia open shrubland over nagodia spinescens, Roepera aurantiaca ssp.,
DIRECTION 196 deg(T)	34.37803°S 139.64843°E	ACCURACY 5 m DATUM GDA2020
Site 4		2024-05-07 13:00:17+09:30
General description	nyssophylla, and Maireana sedifolia over Rhagodia spinescens, Roepera aurantiaca ss australe also occurs throughout but in lo platycarpum occur within this association a	ociation 1 occurring at the location of broile
Threatened species or community	No threatened communities or flora species. The vegetation association is unlikely to profauna but may be used at times by Socieucopsis, EPBC: VU) and Little Eagle (Hierard	ovide high quality habitat for any threatened uthern Whiteface (Aphelocephala leucopsi

Vegetation Association 2	Senna artemisioides ssp., Acacia nyssophylla, a over Atriplex stipitata, Enchylaena tomentosa, ssp., Maireana sp., and Austrostipa sp.	
DIRECTION 23 deg(T)	34.37526°S 139.64500°E	ACCURACY 5 m DATUM GDA2020
		2024 05 07
Site 4 house	等表示的文字的	2024-05-07 13:16:48+09:30
General description	Very open shrubland consisting of sparsely disartemisioides ssp., Acacia nyssophylla, and Menchylaena tomentosa, Rhagodia spinescens, R	Maireana sedifolia over Atriplex stipitate Roepera aurantiaca ssp., Maireana sp., and Proughout but in lower density. Emergen In this association across the property Press. Ciation 2 occurring at the location of the
Threatened species or community	No threatened communities or flora species we The vegetation association is unlikely to proving fauna but may be used at times by South leucopsis, EPBC: VU) and Little Eagle (Hieraaete	de high quality habitat for any threatene nern Whiteface (Aphelocephala leucops

Vegetation Association 3	Acacia nyssophylla, Enchylaena tomentosa, Roe Maireana sp. low very open shrubland over Aus	
DIRECTION 23 deg(T)	34.36891°S 139.65433°E	ACCURACY 5 m DATUM GDA2020
		-
		The state of the s
Site 3		2024-05-07 13:39:53+09:30
General description	Low very open shrubland consisting of sparsely of Acacia nyssophylla, Enchylaena tomentosa, and Maireana sp. over Austrostipa sp. A small platycarpum occur within this association acros many of these trees. This site has been heavily barren soil prominent. Representative photo shows vegetation association acros specification acros the soil prominent.	Roepera aurantiaca ssp., Sclerolaena sp., number of emergent trees of Myoporum s the property. Dieback was prominent on impacted by sheep grazing with areas of
Threatened species or community	No threatened communities or flora species we The vegetation association is unlikely to provio fauna but may be used at times by Little Eagle hunting / foraging within the wider area.	le high quality habitat for any threatened

4.3 Exotic Flora

No introduced flora species were observed across the Project area during the time of the field survey. However, it is likely that a number of annual and perennial herbaceous weeds occur within the Project area which would be visible across winter to summer. In particular, below average rainfall leading up to the field survey likely resulted in the lack of germination and growth of many herbaceus weeds.

Declared weeds under the LSA Act considered more than likely to occur within the Project area, based on knowledge of the wider region and nearby records, include:

- Echium plantagineum (Salvation Jane)
- *Marrubium vulgare* (Horehound)

Under the LSA Act landowners in the Murraylands and Riverland region must take reasonable steps to kill both *Echium plantagineum* (Salvation Jane) and *Marrubium vulgare* (Horehound) and prevent their spread. These weed species must also not be transported on a public road, including as a contaminant (e.g., in the form of a cutting, seed or potted specimen). Care must be taken that these weeds if present are destroyed prior to any cleared vegetation being transported from the Project area.

Other weeds considered more than likely to occur within the Project area, based on knowledge of the wider region and nearby records, include *Asphodelus fistulosus* (Onion weed), species of *Brassica*, and *Carrichtera annua* (Ward's weed).

4.4 Assessment of Threatened Communities, Flora, and Fauna

4.4.1 EPBC PMST Search Summary

A total of 28 listed threatened species / subspecies and 11 migratory species / subspecies were identified by the EPBC Act PMST report as potentially occurring or having suitable habitat potentially occurring within 5 km of the Project Area (Table 5) (DCCEEW 2024a). The ecological MNES protected under the EPBC Act relevant to this report are discussed in detail below.

Table 5 Results of the EPBC PMST report.

Search area (5 km buffer)	Matters of National Environmental Significance	Identified within search area
	World Heritage Properties	0
	National Heritage Places	0
	Wetlands of International Importance (RAMSAR)	1
	Great Barrier Reef Marine Park	0
	Commonwealth Marine Area	0
	Listed Threatened Ecological Communities	3
	Listed Threatened Species	28
1987	Listed Migratory Species	11
Encisters 1	Other matters protected by the EPE	IC .
	Commonwealth Lands	1
	Commonwealth Heritage Places	0
	Listed Marine Species	17
	Whales and Other Cetaceans	0
	Critical Habitats	0
	Commonwealth Reserves Terrestrial	0
	Australian Marine Parks	0
	Habitat Critical to the Survival of Marine Turtles	0
(A.P.)	Extra information	
	State and Territory Reserves	2
	Regional Forest Agreements	0
	Nationally Important Wetlands	0
	EPBC Act Referrals	6
	Key Ecological Features	0
	Biologically Important Areas	0
	Bioregional Assessments	0
	Geological and Bioregional Assessments	0

4.4.2 Threatened Ecological Communities (TEC)

Three threatened Ecological Communities (TEC) were identified in the PMST report as potentially occurring within 5 km of the Project area (Table 6). However, no TEC were detected during the field survey of the Project area.

Table 6. Threatened ecological communities listed under the EPBC Act identified within 5 km of the Project area.

Threatened Ecological Community	EPBC Status	Likelihood of occurrence in Project area
Mallee Bird Community of the Murray Darling Depression Bioregion - Four broad types of mallee (<i>Triodia</i> , Chenopod, Shrubby and Heathy) that supports 20 bird species that rely on mallee habitats for their continued persistence within the Murray-Darling Depression bioregion.	Endangered	Unlikely
Buloke Woodlands of the Riverina and Murray Darling Depression Bioregions - Woodland or open woodland dominated by <i>Allocasuarina luehmannii</i> (buloke/bull-oak) with a well-developed grassy and/or herbaceous and shrub understory. Extremely important for temperate woodland birds.	Endangered	Unlikely
Plains mallee box woodlands of the Murray Darling Depression, Riverina and Naracoorte Coastal Plain - Medium to tall open mallee eucalypt woodland with a canopy dominated by 'mallee box' <i>Eucalyptus</i> species. Provide habitat for a high species richness of reptiles and mammals.	Critically Endangered	Unlikely

4.5 Nationally Threatened Flora

Four flora species listed as threatened under the EPBC Act was identified in the PMST report as potentially occurring or having suitable habitat potentially occurring within 5 km of the Project area (Table 7):

- Dodonaea subglandulifera (Peep Hill Hop-Bush, EPBC: EN, NPW: E)
- Lepidium monoplocoides (Winged Pepper-cress, EPBC: EN, NPW: E)
- Pterostylis xerophila (Desert Greenhood, EPBC: VU, NPW: V)
- Swainsona pyrophila (Yellow Swainson-pea, EPBC: VU, NPW: R)

No records of these species were identified within 5 km of the Project area and none of the species were observed during field survey.

4.5.1 State Threatened Flora

Ten flora species / subspecies of state conservation significance had historical records within 5 km of the Project area from the NatureMaps BDBSA search (Table 7 and Figure 5):

- Brachyscome paludicola (Swamp Daisy, NPW: R)
- Callistemon brachyandrus (Prickly Bottlebrush, NPW: R)
- Calotis scapigera (Tufted Burr-daisy, NPW: R)
- · Ceratophyllum demersum (Hornwort, NPW: R)
- Eremophila gibbifolia (Coccid Emubush, NPW: R)
- Lepidium pseudotasmanicum (Shade Peppercress, NPW: V)
- Maireana rohrlachii (Rohrlach's Bluebush, NPW: R)
- Myriophyllum papillosum (Robust Milfoil, NPW: R)
- Picris squarrosa (Squat Picris, NPW: R)

• Sclerolaena muricata var. villosa (Five-spine Bindyi, NPW: R)

The two state rare species of *Eremophila gibbifolia* (Coccid Emubush) and *Maireana rohrlachii* (Rohrlach's Bluebush) were considered possible to occur in the Project area (Table 7). These two species were not observed during the field survey.

Table 7. Threatened flora listed under the EPBC Act and NPW Act identified within 5 km of the Project area via the PMST (Source 1), BDBSA (Source 2), or observed during the field survey. Likelihood of occurrence refers to presence within the Project area.

Scientific name	Common name	EPBC Act	NPW Act	Data source	Date of last record	Known habitat preference(s)	Likelihood of occurrence
Brachyscome paludicola	Swamp Daisy		R	2	20/11/2002	Perennial rhizomatous herb. Inhabits inundated clay soils and is common in seasonally wet, red gum dominated flats.	Unlikely
Callistemon brachyandrus	Prickly Bottlebrush		R	2	24/02/2012	A shrub to small tree that grows on the sandy soil of alluvial flats.	Unlikely
Calotis scapigera	Tufted Burr-daisy		R	2	13/01/2012	Perennial stoloniferous herb. Inhabits both saltbush and <i>Eucalyptus</i> camaldulensis communities growing on damp clay soils in flood-prone areas.	Unlikely
Ceratophyllum demersum	Hornwort		R	2	18/09/2011	Aquatic plant found in ponds, lakes, and slow-flowing waters.	Unlikely
Dodonaea subglandulifera	Peep Hill Hop-bush	EN	E	1		Endemic to South Australia. Inhabits open woodland, open shrubland and mallee woodland growing on low hills with loamy soils and rocky outcrops.	Unlikely
Eremophila gibbifolia	Coccid Emubush		R	2	1/11/2005	Small shrub growing on sandy loam soils usually under mallee scrub.	Possible
Lepidium monoplocoides	Winged Pepper-cress	EN	E	1		Mallee scrub in semi-arid areas prone to waterlogging.	Unlikely
Lepidium pseudotasmanicum	Shade Peppercress		٧	2	16/07/2003	Annual to biennial herb growing in grassy woodlands, grasslands, bare ground, and rocky areas. Mainly rocky areas in South Australia.	Unlikely
Maireana rohrlachii	Rohrlach's Bluebush		R	2	13/05/2014	Often found fringing lakes or growing in seasonally wet areas. One record within the property boundary approximately 4250 m southeast of the Project area.	Possible
Myriophyllum papillosum	Robust Milfoil		R	2	13/02/2013	Grows in shallow water or on mud.	Unlikely
Picris squarrosa	Squat Picris		R	2	22/11/2011	Coastal sand-dunes or riverbanks and floodplains.	Unlikely
Pterostylis xerophila	Desert Greenhood	VU	V	1		Dry woodland or granite and quartzite outcrops. Only eight populations containing about 150 plants are known.	Unlikely
Sclerolaena muricata var. villosa	Five-spine Bindyi		R	2	19/11/2002	Mostly found along the Murray River and associated floodplains and also heavy soils prone to inundation.	Unlikely
Swainsona pyrophila	Yellow Swainson-pea	VU	R	1		Short lived shrub that grows in mallee woodland on sandy and loamy soils. Typically germinates following rain after fire. Found in South Australia across a range of areas where not previously seen following fire.	Unlikely

NP&W Act: E = Endangered, V = Vulnerable, R = Rare. EPBC Act: Ex = Extinct, CR = Critically Endangered, EN = Endangered, VU = Vulnerable.

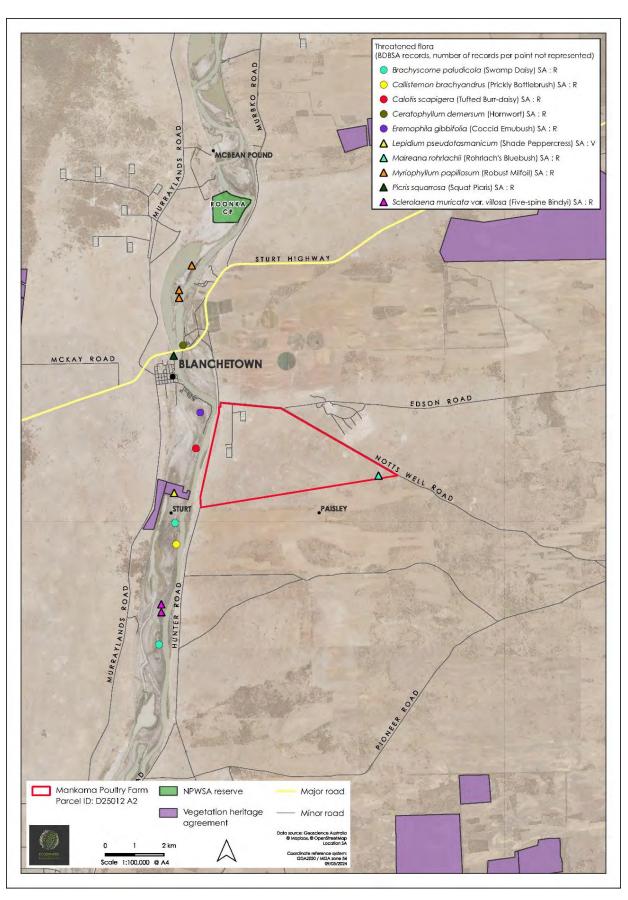


Figure 5. Threatened flora records within 5 km of the Project area.

4.6 Nationally Threatened Fauna

Twenty-four fauna species / subspecies listed as threatened under the EPBC Act were identified by the PMST report as potentially occurring or having suitable habitat potentially occurring within 5 km of the Project area (Table 8). This included 18 bird, 1 mammal, 1 frog, and 4 fish species / subspecies. Two fauna species / subspecies threatened under the EPBC Act also had records of occurrence within 5 km of the Project area, as returned via the NatureMaps BDBSA search (Figure 6). These included:

- Southern Whiteface (Aphelocephala leucopsis leucopsis, EPBC: VU)
- Southern Bell Frog (MLR) (Litoria raniformis raniformis, EPBC: VU, NPW: V)

Southern Bell Frog (MLR) (*Litoria raniformis raniformis*) was considered as unlikely to occur within the Project area due to a lack of suitable habitat (Table 8).

Southern Whiteface (Aphelocephala leucopsis) was considered as possible to occur within the Project area (Table 8). Two subspecies are recognized, with Aphelocephala leucopsis leucopsis occurring in SA. This species was added to the threatened fauna list under the EPBC Act on the 31st of March 2023 due to a continued overall population decline, although the extent to which populations have declined within the arid and mallee regions of Australia are less clear. The species occurs across most of mainland Australia south of the tropics in a wide range of open woodlands and shrublands where there is an understorey of grasses or shrubs, or both. The species prefers habitat with low tree densities and herbaceous understorey litter cover which provides essential foraging habitat and requires hollows / crevices in trees for roosting / nesting. Key threats for the species are broad landscape based and relate to pastoralism and the loss of shrubs and grasses. The PMST report suggested the presence of Southern Whiteface within the Project area and five recorded observations occurred within 5 km of the Project area (Figure 6). However, vegetation within the Project area is unlikely to be regularly utilised by the species given the lack of trees with hollows / crevices required for breeding and roosting, the lack of Acacia / Eucalypt dominated woodland / shrubland (preferred habitat), and the low amount of herbaceous understorey litter cover. Southern Whiteface was also not observed during the field survey. Following an EPBC Assessment of Significance habitat within the Project area was not deemed critical and clearance of native vegetation within the Project area is not expected to have a significant impact on an important population of this species. Further information regarding this decision can be found in section 7.

4.6.1 Migratory Fauna

Eleven EPBC Act listed migratory species / subspecies were identified by the PMST report as potentially occurring or having suitable habitat potentially occurring within 5 km of the Project area. The migratory birds identified are all unlikely to utilise the Project area other than as a brief flyover considering the lack of suitable habitat. These migratory birds are largely associated with waterbodies associated with feeding and or refuge areas which are not present within the Project area.

4.6.2 State Threatened Fauna

Twelve fauna species / subspecies of state conservation significance has historical records from the NatureMaps BDBSA search within 5 km of the Project area (Figure 6). One species was considered to possibly occur within the Project area:

• Little Eagle (Hieraaetus morphnoides, NPW: V)

Little Eagle (*Hieraaetus morphnoides*) is a small species of eagle with a widespread distribution across mainland Australia. The species inhabits open forest, woodland, grassland, and agricultural land extending into the arid zone, where it predates on a broad range of small prey items. Nesting takes place in areas of mature trees in open woodland and along watercourses. The Project area does not provide suitable habitat for nesting, but Little Eagle (*Hieraaetus morphnoides*) may possibly forage at times within the Project area. Little Eagle (*Hieraaetus morphnoides*) was not observed during the field survey.

4.6.3 Marine Fauna

Seventeen marine species / subspecies listed under the EPBC Act were identified in the PMST report as potentially occurring or having suitable habitat potentially occurring within 5 km of the Project area. Given the terrestrial nature of the Project area these species / subspecies were not considered as part of the desktop assessment.

Table 8. Threatened fauna listed under the EPBC Act and NP&W Act and EPBC listed migratory fauna identified within 5 km of the Project area via the PMST (Source 1), BDBSA (Source 2), or observed during the field survey. Likelihood of occurrence refers to presence within the Project area.

Scientific name	Common name	EPBC Act	NPW Act	Data source	Date of last record	Known habitat preference(s)	Likelihood of occurrence
AVES		1 1100	7100	300.00	record		occurrence.
Actitis hypoleucos	Common Sandpiper	Mi	R	1		Migratory shorebird. Found in coastal or inland wetlands, both saline and fresh, and mainly on muddy edges or rocky shores. Prefers freshwater lakes and shallow rivers during the breeding season in the northern hemisphere. Mostly found in northern and western Australia.	
Amytornis striatus howei	Murray Mallee Striated Grasswren	EN	R	1		Inhabits sandplains dominated by mature spinifex and typically with a <i>Eucalyptus</i> overstorey. Builds nests within spinifex clumps.	
Anhinga novaehollandiae novaehollandiae	Australasian Darter		R	2	14/03/2013	Fish predating water bird of wetlands and sheltered coastal waters.	Unlikely
Aphelocephala leucopsis leucopsis	Southern Whiteface	VU		1,2	19/10/2010	Inhabits a wide range of open woodlands and shrublands with an understorey of grasses and / or shrubs. Favours habitat with an herbaceous understorey litter cover for foraging and requires hollows / crevices in trees for roosting / nesting.	
Apus pacificus	Fork-tailed Swift	Mi		1		Asian origin - species is aerial during its stay in Australia	Unlikely
Ardea intermedia plumifera	Plumed Egret		R	2	21/10/2005	Found in inland areas associated with natural and artificial bodies of water where it forages on invertebrates and aquatic prey. Prefers areas with short emergent vegetation.	Unlikely
Botaurus poiciloptilus	Australasian Bittern	EN	E	1		Well vegetated freshwater and brackish wetlands.	Unlikely
Calidris acuminata	Sharp-tailed Sandpiper	VU, Mi		1		Migratory wetland species. Does not breed in Australia. Prefers the grassy edges of shallow inland freshwater wetlands. It is also found around sewage farms, flooded fields, mudflats, mangroves, rocky shores, and beaches.	Unlikely
Calidris ferruginea	Curlew Sandpiper	CR, Mi	E	1		Migratory wetland species. Does not breed in Australia. Curlew Sandpipers in Australia are present within coastal and subcoastal habitats. The habitats within which they are present range from fresh to hypersaline, and include intertidal mudflats, saltworks, sewage farms, wetlands, lakes, swamps, and lagoons.	
Calidris melanotos	Pectoral Sandpiper	Mi	R	1		Migratory wetland species. Does not breed in Australia. Pectoral Sandpiper prefers shallow fresh to saline wetlands. The species is found at coastal lagoons, estuaries, bays, swamps, lakes, inundated grasslands, saltmarshes, river pools, creeks, floodplains, and artificial wetlands.	

Scientific name	Common name	EPBC Act	NPW Act	Data source	Date of last record	Known habitat preference(s)	Likelihood of occurrence
Cinclosoma castanotum	Chestnut-backed Quailthrush (Chestnut Quailthrush)	Act	R	2	19/09/1996	Arid to semi-arid areas of low-lying mallee and heathland.	Unlikely
Corcorax melanorhamphos	White-winged Chough		R	2	05/04/2004	Predominantly ground-feeding bird that inhabits open forests and woodlands. Prefers wetter areas with high leaf-litter levels for foraging and mud for nest building.	Unlikely
Falco hypoleucos	Grey Falcon	VU	R	1		The species has a widespread, but sparse distribution across Australia, occurring in arid and semi-arid areas, including the Murray-Darling Basin, Eyre Basin, central Australia, and Western Australia. Inhabits shrubland, grassland and wooded watercourses in arid and semi-arid regions of inland areas. The species is mainly found where annual rainfall is less than 500 mm, except when wet years are followed by drought, when the species might become marginally more widespread.	
Gallinago hardwickii	Latham's Snipe	VU, Mi	R	1		Migratory wetland species. Does not breed in Australia. Inhabits tussock grass and low dense sedges surrounding permanent and ephemeral freshwater wetlands.	
Grantiella picta	Painted Honeyeater	VU	R	1		Dry open forests and woodlands. Associated with the fruiting of mistletoe and follows the availability of this seasonal food resource throughout the year.	
Hieraaetus morphnoides	Little Eagle		V	2	7/11/2012	Widespread distribution across mainland Australia. Inhabits open forest, woodland, grassland, and agricultural land extending into the arid zone. Nesting takes place in areas of mature trees in open woodland and along watercourses.	
Leipoa ocellata	Malleefowl	VU	V	1		The Murray Mallee is the stronghold for the Malleefowl, but it has severely declined throughout its range. It is now found in scattered locations through semi-arid rangelands and dry-land cropping zones in the southeast of South Australia and the Eyre Peninsula. Principally found in mallee eucalypt woodland and scrub as well as dry forest dominated by other eucalypts, Mulga and other <i>Acacia</i> spp.	
Lophochroa leadbeateri leadbeateri	Pink Cockatoo (eastern)	EN	R	1		Arid and semi-arid woodlands of Mulga, mallee, or cypress pine. Requires hollows for nesting that typically only occur within older trees of <i>Eucalyptus</i> and cypress pine. Feeds on the seeds of native plants.	100000
Manorina melanotis	Black-eared Miner	EN	E	1		Mature long unburnt areas of shallow sand mallee and chenopod mallee. Requires large areas of contiguous mallee.	

Scientific name	Common name	EPBC Act	NPW Act	Data source	Date of last record	Known habitat preference(s)	Likelihood of occurrence
Melanodryas cucullata cucullata	Hooded Robin (south-eastern)	EN	R	1	record	Lightly timbered woodland, dominated by <i>Acacia</i> and/or eucalypts.	Unlikely
Motacilla cinerea	Grey Wagtail	Mi		1		Uncommon terrestrial migratory species. Prefers fast- flowing streams and rivers often in forested areas, in addition to lowland watercourses, including lakes and marshes.	
Motacilla flava	Yellow Wagtail	Mi		1		Uncommon terrestrial migratory species. Inhabits a variety of damp or wet habitats including marshes and bogs. Roosts in dense vegetation.	Unlikely
Myiagra cyanoleuca	Satin Flycatcher	Mi	E	1		Eucalypt forests, often near wetlands or watercourses. Occurs at high elevations during the breeding season but has wider habitat preferences during its migration.	Unlikely
Myiagra inquieta	Restless Flycatcher		R	2	19/09/1996	Inhabits open forests and woodlands and frequently seen in farmland.	Unlikely
Neophema chrysostoma	Blue-winged Parrot	VU	V	1		Woodlands, coastal heaths, and grasslands. However, the species favours grasslands and grassy woodlands, often near wetlands.	Unlikely
Pandion haliaetus	Osprey	Mi	Е	1		Mostly coastal bird of prey which requires large open areas of fresh, brackish, or saline water for foraging.	Unlikely
Pedionomus torquatus	Plains-wanderer	CR	E	1		Small, ground-dwelling bird. Plains-wanderers inhabit sparse native grasslands and are often absent from areas where grass becomes too dense or too sparse. They nest amongst native grasses and herbs, or sometimes amongst crops, feeding on a mixture of seeds, invertebrates, and leaves.	Unlikely
Polytelis anthopeplus monarchoides	Regent Parrot (eastern)	VU	V	1		Forages across large areas of mallee woodland and typically nests in <i>Eucalyptus camaldulensis</i> woodland during breeding season.	
Rostratula australis	Australian Painted Snipe	EN	E	1		Shallow terrestrial freshwater (occasionally brackish) wetlands, including temporary and permanent lakes, swamps and claypans.	Unlikely
Spatula rhynchotis	Australasian Shoveler		R	2	29/11/2013	Shallow wetlands, preferring large undisturbed heavily vegetated freshwater swamps.	Unlikely
Stagonopleura guttata	Diamond Firetail	VU	V	1		Open grassy woodland, heath and farmland or grassland with scattered trees. Preference for areas with high grass cover. Roost within dense shrubs and feed at ground level on seeds and insects. Somewhat transient populations.	Unlikely

Scientific name	Common name	EPBC Act	NPW Act	Data source	Date of last record	Known habitat preference(s)	Likelihood of occurrence
Stictonetta naevosa	Freckled Duck		V	2	29/11/2013	Permanent freshwater swamps and creeks with heavy growth of bullrushes, lignum, or tea-tree. Breeding occurs in ephemeral swamps formed by flooding.	Unlikely
Tringa nebularia	Common Greenshank	EN, Mi		1		Migratory coastal shorebird. Does not breed in Australia. Widespread in coastal regions of Australia where it forages within wetlands, mudflats, and shallows around the edge of waterbodies. Nests are constructed in association with waterbodies both coastal (e.g., estuaries and mudflats) and inland (e.g., swamps and flooded crops).	Unlikely
MAMMALIA							
Myotis macropus	Large-footed Myotis		E	2	10/04/2018	Coastal and subcoastal areas and along the Murray River always close to water.	Unlikely
Nyctophilus corbeni	Corben's Long-eared Bat	VU	V	1		Confined to extensive stands of tall mallee shrubland in South Australia. Inhabits wider range of woodland vegetation types in the eastern mainland states of Australia.	Unlikely
Trichosurus vulpecula	Common Brushtail Possum		R	2	4/04/2004	An arboreal nocturnal marsupial of urban areas, forests, woodlands, and heath.	Unlikely
REPTILIA							
Morelia spilota	Carpet Python		R	2	10/10/2008	Associated with River Red Gum habitat and small rocky areas throughout the year.	Unlikely
AMPHIBIA							
Litoria raniformis raniformis	Southern Bell Frog (MLR)	VU	V	2	16/11/2010	Variety of still or slow-flowing natural and artificial wetlands, riverine floodplains, farm dams, quarries, and irrigation channels. Reliant on permanent freshwater lagoons for breeding.	Unlikely
FISH							
Galaxias rostratus	Flathead Galaxias	CR		1		No habitat available.	Unlikely
Bidyanus bidyanus	Silver Perch	CR		1		No habitat available.	Unlikely
Craterocephalus fluviatilis	Murray Hardyhead	EN		1		No habitat available.	Unlikely
Maccullochella peelii	Murray Cod	VU		1		No habitat available.	Unlikely

NP&W Act: E = Endangered, V = Vulnerable, R = Rare.

EPBC Act: Ex = Extinct, CR = Critically Endangered, EN = Endangered, VU = Vulnerable, CD = Conservation Dependent, Mi = Migratory.

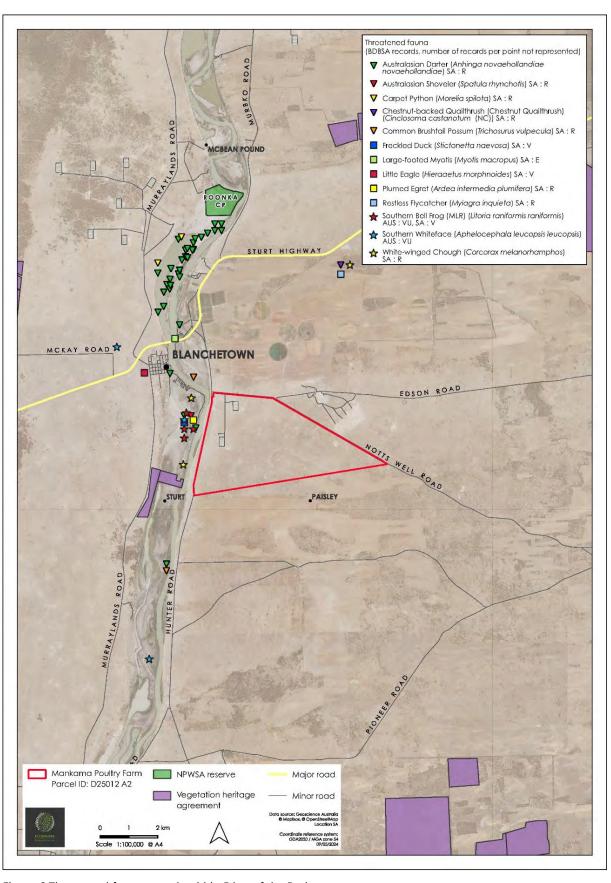


Figure 6 Threatened fauna records within 5 km of the Project area.

4.7 Cumulative Impact

When exercising a power or making a decision under Division 5 of the Native Vegetation Regulations 2017, the NVC must consider the potential cumulative impact, both direct and indirect, that is reasonably likely to result from a proposed clearance activity.

Cumulative impacts will be managed through construction guidelines. Nothing from the sheds or hardstands will enter vegetation with a stormwater culvert to extend around the perimeter of the sites and directed into retention. Dust or other impacts associated with the construction and ongoing presence of the staff dwellings and broiler sheds are unlikely to cause ongoing impacts to vegetation within or surrounding the project.

4.8 Adress the Mitigation Hierarchy

When exercising a power or making a decision under Division 5 of the Native Vegetation Regulations 2017, the NVC must have regard to the mitigation hierarchy. The NVC will also consider, with the aim to minimize, impacts on biological diversity, soil, water and other natural resources, threatened species or ecological communities under the EPBC Act or listed species under the NP&W Act.

a) **Avoidance** – outline measures taken to avoid clearance of native vegetation

The locations of the additional broiler sheds, roads, and staff dwellings have been precisely located and microsited to avoid areas of higher quality vegetation as much as possible while taking biosecurity requirements into account. However, due to the need for additional broiler sheds and the buffer distances between blocks of broiler sheds for biosecurity, the vegetation clearance cannot be avoided.

b) **Minimization** – if clearance cannot be avoided, outline measures taken to minimize the extent, duration and intensity of impacts of the clearance on biodiversity to the fullest possible extent (whether the impact is direct, indirect or cumulative).

The locations of the additional broiler sheds, roads, and staff dwellings have been chosen as the vegetation is sparser and / or more degraded compared to other areas within the allotment (e.g. shrubland of similar or better condition than vegetation association 1 occurs within the south-west of the property). In particular, the location of broiler shed group site 3 occurs within a highly degraded area of vegetation as a result of sheep grazing. The project layout has also been modified since the initial field survey and the current design makes better use of existing access tracks.

c) **Rehabilitation or restoration** – outline measures taken to rehabilitate ecosystems that have been degraded, and to restore ecosystems that have been degraded, or destroyed by the impact of clearance that cannot be avoided or further minimized, such as allowing for the re-establishment of the vegetation.

Native vegetation will be planted around the site to act as screening for the broiler sheds. A planting schedule using locally indigenous plants will be used for plantings in an effort to enhance biodiversity values in the area.

d) **Offset** – any adverse impact on native vegetation that cannot be avoided or further minimized should be offset by the achievement of a significant environmental benefit that outweighs that impact.

The SEB will be met through a payment into the NV fund.

Total payment is \$418,666.72.

4.5 Principles of Clearance (Schedule 1, Native Vegetation Act 1991)

The Native Vegetation Council will consider Principles 1(b), 1(c) and 1(d) when assigning a level of Risk under Regulation 16 of the Native Vegetation Regulations. The Native Vegetation Council will consider all the Principles of Clearance of the Act as relevant, when considering an application referred under the *Planning*, *Development and Infrastructure Act 2016*.

Noting, consultants can discuss the Moderating factors, but must not change the outcome of the assessment against the principles. This is determination for the NVC <u>only</u>. The Assessment against the principles must be based on the outcomes of the Bushland Assessment, Rangeland Assessment or Scattered tree assessment.

Data Report for level 3 or 4 application associated with a Development application

If a data report is in relation to a level 3 or 4 application that will be subject to a development application, then principles a – g need to be address. The NVC will consider the principles in full when receiving a referral for a development application.

Principle of clearance	Considerations
Principle 1a - it comprises a high level of diversity of plant species	Relevant information The number of plant species recorded (native and introduced) for each vegetation association: • Vegetation association 1 = 15 native species, 5 introduced species. • Vegetation association 2 = 13 native species, 5 introduced species. • Vegetation association 3 = 7 native species, 5 introduced species. Bushland Plant Diversity Score: • Vegetation association 1 = 16 • Vegetation association 2 = 14 • Vegetation association 3 = 8
	Assessment against the principles Seriously at Variance N/A At Variance • Vegetation association 1 • Vegetation association 2
	 Moderating factors that may be considered by the NVC The diversity of plant species is not high within any of the sites assessed. Both vegetation association 1 and 2 are degraded to some extent from grazing. Vegetation association 3 is in very poor condition, with heavy impacts of sheep grazing, and the extent to which regenerating plants may establish themselves is limited.
Principle 1b - significance as a habitat for wildlife	Relevant information List of threatened species that were recorded or may use the vegetation: • The vegetation present is unlikely to provide high quality habitat for any threatened fauna but vegetation associations 1 and 2 may be used at times by Southern Whiteface (Aphelocephala leucopsis leucopsis, EPBC: VU) and the Project area overall may be used by Little Eagle (Hieraaetus morphnoides, NPW: V) at times for foraging / hunting.

Detail if the vegetation support a high diversity of animal species:

The vegetation is unlikely to support a relatively high diversity of animal species due to its
mostly degraded nature. The threatened animal species recorded within the 5 km buffer are
mostly associated with the nearby Murray River or otherwise areas of mallee woodland
outside of the property.

Detail if the vegetation provide a corridor for movements between other areas of native vegetation, or a habitat refuge, especially in heavily cleared areas:

 The vegetation associations may form part of a habitat corridor for some species, but vegetation clearance is unlikely to disrupt animal movement given the large area of unimpacted vegetation remaining on the property, including two SEB offset areas of approximately 73.98 ha and 16.69 ha, and similar vegetation generally within the surrounding area. Vegetation clearance does not result in the physical separation of any remnants and will not significantly reduce an area of habitat refuge.

Threatened Fauna Score:

- Vegetation association 1 = 0.04
- Vegetation association 2 = 0.04
- Vegetation association 3 = 0.04

Unit biodiversity Score:

- Vegetation association 1 = 40.73
- Vegetation association 2 = 38.19
- Vegetation association 3 = 20.36

Assessment against the principles

Seriously at Variance

N/A

At Variance -

- Vegetation association 1
- Vegetation association 2
- Vegetation association 3

Moderating factors that may be considered by the NVC

- No threatened fauna species were recorded or considered likely or highly likely to use the vegetation.
- The two threatened fauna species considered as possible to occur in Southern Whiteface and Little Eagle are both likely to occur infrequently if at all, and the vegetation does not provide roosting or nesting habitat or critical resources for survival.
- Clearance is highly unlikely to impact the conservation of any threatened fauna occurring within the local area.

Principle 1c plants of a rare, vulnerable or endangered species

Relevant information

<u>List threatened species that were recorded for the site or that may be present but undetectable at the time of assessment (e.g. orchids):</u>

 No threatened flora species were recorded or considered likely or highly likely to occur within the areas of vegetation assessed.

	 Although some Maireana spp. could not be confidently identified to species level due to the dry conditions and absence of fruit they clearly were not individuals of the threatened Maireana rohrlachii (Rohrlach's Bluebush, NPW: R). Threatened Flora Score(s): Vegetation association 1 = 0 Vegetation association 2 = 0 Vegetation association 3 = 0 			
	Assessment against the principles Seriously at Variance N/A At Variance – N/A			
	Moderating factors that may be considered by the NVC N/A			
Principle 1d - the vegetation comprises the whole or part of a plant community that is Rare, Vulnerable or endangered:	Relevant information Identify any threatened communities under the EPBC Act or threatened ecosystems under the DEW Provisional list of threatened ecosystems present? No threatened communities occurred within the areas of vegetation assessed. Threatened Community Score: Vegetation association 1 = 1 Vegetation association 2 = 1 Vegetation association 3 = 1			
	Assessment against the principles Seriously at Variance N/A			
	Moderating factors that may be considered by the NVC N/A			
Principle 1e - it is significant as a remnant of vegetation in an area which has been extensively cleared.	Relevant information Provide remnancy figures for IBRA Association and IBRA Subregion: Blanchetown IBRA Environmental Association = 67 % Murray Mallee IBRA Subregion = 21 % Discuss the health and likely longevity of remnants: Vegetation association 3 is in very poor condition with heavy impacts of sheep grazing present. The extent to which regenerating plants may establish themselves is limited and the site is unlikely to see an increase in native vegetation occupancy into the future without substantial intervention. Vegetation associations 1 and 2 represent less degraded areas of vegetation and the cover of larger shrubs in vegetation association 1 approaches that of tall shrubland occurring within the south-west of the property. The biodiversity of vegetation associations could be improved via planting and weeding practices if desired, although weed incursion would be			

an ongoing issue.

	Total Biodiversity Score:				
	 Vegetation association 1 = 797.49 Vegetation association 2 = 89.06 Vegetation association 3 = 287.79 				
	Assessment against the principles Seriously at Variance				
	 Vegetation association 1 Vegetation association 2 Vegetation association 3 				
	At Variance N/A				
	Moderating factors that may be considered by the NVC				
	• The locations of the additional broiler sheds, roads, and staff dwellings have been selected within areas of sparser and / or more degraded vegetation compared to other areas within the allotment (e.g., shrubland of similar to better condition than vegetation association 1 occurs within the south-west of the property). In particular, the location of broiler shed group site 3 occurs within a highly degraded area of vegetation because of sheep grazing. Two SEB offset areas of approximately 73.98 ha and 16.69 ha occur within the property, which will be unimpacted by the development, and similar vegetation occurs generally within the surrounding area.				
Principle 1f - it is growing in, or in	Relevant information Discuss if any of the vegetation is associated with a wetland: N/A				
association with, a wetland environment.	Assessment against the principles Seriously at Variance N/A At Variance –				
	N/A Moderating factors that may be considered by the NVC N/A				
Principle 1g - it contributes significantly	Relevant information N/A N/A				
to the amenity of the area in which it is growing or is situated.	Moderating factors that may be considered by the NVC N/A				

<u>Principles of Clearance</u> (h-m) will be considered by comments provided by the local NRM Board or relevant Minister. The Data Report should contain information on these principles where relevant and where sufficient information or expertise is available.

4.9 Risk Assessment

Determine the level of risk associated with the application

Total	No. of trees	N/A		
clearance	Area (ha)	32.77		
	Total biodiversity Score	1067.58		
Seriously at 1(c) or 1 (d)	variance with principle 1(b),	List the principles is seriously at variance with:		
		Not Seriously at Variance.		
Risk assessm	ent outcome	Level 4		

4.10 NVC Guidelines

Provide any other information that demonstrates that the clearance complies with any relevant NVC guidelines related to the activity.

N/A

5 Clearance Summary

5.1 Clearance Area(s) Summary Table

Insert table from the Summary Clearance Table for *patches* of vegetation assessed using the Bushland or Rangeland Assessment Method.

В	llock	Site	species diversity		Threatened plant score	Threatened fauna score	UBS		Total Biodiversity score	Loss factor	Loadings	a)	SEB Points	SEB payment	Admin Fee
	Α	1	16	1	0	0.04	40.73	17.8	724.99	1.0			797.49	\$269,492.92	\$14,822.11
П	Α	2	14	1	0	0.04	38.19	2.12	80.96	1.0			89.06	\$30,095.73	\$1,655.27
	Α	3	8	1	0	0.04	20.36	12.85	261.63	1.0			287.79	\$97,251.84	\$5,348.85

5.2 Totals Summary Table

Insert table containing totals from Summary Clearance Table as well as Economies of Scale and Rainfall.

	Total Biodiversity score	Total SEB points required	SEB Payment	Admin Fee	Total Payment
Application	1067.58	1174.34	\$396,840.49	\$21,826.23	\$418,666.72

IBRA Association percent vegetation remnancy (%)	67.0
IBRA Subregion percent vegetation remnancy (%)	21.0
Is the vegetation associated with a Wetland	No
Economies of Scale Factor	0.35
Rainfall Factor (mm)	266
SEB Points of Gain/ha Factor	7

6Significant Environmental Benefit

A Significant Environmental Benefit (SEB) is required for approval to clear under Division 5 of the *Native Vegetation Regulations 2017*. The NVC must be satisfied that as a result of the loss of vegetation from the clearance that an SEB will result in a positive impact on the environment that is over and above the negative impact of the clearance.

ACHIEVING AN SEB

Indicate how the SEB will be achieved by ticking the appropriate box and providing the associated information:

Establish a new SEB Area on land owned by the proponent.
Use SEB Credit that the proponent has established. Provide the SEB Credit Ref. No
Apply to have SEB Credit assigned from another person or body. The <u>application form</u> needs to be submitted with this Data Report.
Apply to have an SEB to be delivered by a Third Party. The <u>application form</u> needs to be submitted with this Data Report.
🔀 Pay into the Native Vegetation Fund.

PAYMENT SEB

If a proponent proposes to achieve the SEB by paying into the Native Vegetation Fund, summary information must be provided on the amount required to be paid and the manner of payment:

As based on the SEB credit register accessed 23/07/2025 there are currently no suitable on-ground SEB offset areas available (either as active credit sites or potential credit sites listed with the NVC) within the same IBRA Association which would meet the criteria of like-for-like or better required by the NVC. A number of current credit sites occur within the same IBRA Subregion but only one could be expected to meet the criteria of like-for-like and provides only 93.51 SEB points against the 1067.58 required. Use of all other available credits within the same IBRA Subregion and ignoring the criteria of like-for-like or better required by the NVC would still only provide 364.29 SEB points against the 1067.58 required. Thus, a payment to the Native Vegetation Fund is proposed to meet the SEB requirement.

The payment to satisfy the offset required for the clearance of vegetation within the Project area is \$396,840.49 plus an administration fee of \$21,826.23 for a total fee of \$418,666.72.

7 Assessment of Significance

Assessments of Significance for EPBC Act listed entities known or considered highly likely, likely, or possible to occur within or in close proximity to the Project area was limited to Southern Whiteface (*Aphelocephala leucopsis*, EPBC: VU). Southern Whiteface was assessed against the significant impact criteria for a vulnerable species as per the Significant Impact Guidelines 1.1 Matters of National Environmental Significance (DotE 2013).

An action is likely to have a significant impact on a vulnerable species if there is a real chance or possibility that it will:

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

Although it is considered possible that Southern Whiteface may be present at times within the Project area, potential habitat within the Project area is unlikely to be critical to the survival of Southern Whiteface given the lack of trees with hollows / crevices required for breeding and roosting, the lack of *Acacia* / Eucalypt dominated woodland / shrubland (preferred habitat), and the low amount of herbaceous understory litter cover that provides essential foraging resources. Habitat degradation caused by domestic livestock grazing is listed as a threat to Southern Whiteface and has also already occurred to varying extents within the Project area. The total area of proposed vegetation clearance is small relative to the amount of same or similar vegetation types remaining within the property, including two SEB offset areas of approximately 73.98 ha and 16.69 ha, which will be unimpacted by the development, and similar vegetation within the surrounding landscape more generally. Vegetation clearance also does not result in the physical separation of any remnants. Vegetation clearance is highly unlikely to lead to a long-term decrease in the size of an important population of Southern Whiteface given the unsuitability of the Project area as critical and / or even preferred habitat.

Reduce the area of occupancy of an important population:

The total area of proposed vegetation clearance is small relative to the amount of same or similar vegetation types remaining within the property and the surrounding landscape more generally and is not suitable for breeding or preferred habitat of Southern Whiteface. Vegetation clearance is highly unlikely to reduce the area of occupancy of an important population.

Fragment an existing important population into two or more populations:

Vegetation clearance is highly unlikely to represent a barrier to the movement of Southern Whiteface. Vegetation clearance does not result in the physical separation of any remnants and the vegetation does not represent a habitat corridor which may be utilised by Southern Whiteface in an otherwise sparsely vegetated area. Moreover, the occurrence of Southern Whiteface within the Project area would require individuals to already effectively disperse across previously cleared areas. The proposed vegetation clearance will not fragment any existing population(s).

Adversely affect habitat critical to the survival of a species:

Clearance will not affect habitat critical to the survival of Southern Whiteface given that vegetation within the Project area is not suitable for breeding or preferred habitat of Southern Whiteface and the area of vegetation clearance is small relative to same or similar vegetation types remaining within the property and surrounding landscape more generally.

Disrupt the breeding cycle of an important population:

The vegetation within the Project area is unsuitable for breeding and clearance will not disrupt the breeding cycle of an important population.

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

The total area of proposed vegetation clearance is small relative to same or similar vegetation types remaining within the property and the surrounding landscape more generally and the Project area is not suitable for breeding or preferred habitat of Southern Whiteface. Habitat degradation caused by domestic livestock grazing is listed as a threat to Southern Whiteface and has already occurred to varying extents within the Project area. Clearance is highly unlikely to modify, destroy, remove or isolate or decrease the availability or quality of habitat to the extent that the species is likely to decline.

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

Invasive species are not specifically identified as a threat to Southern Whiteface. The proposed vegetation clearance is highly unlikely to result in the establishment of harmful invasive species within the habitat of Southern Whiteface.

Introduce disease that may cause the species to decline:

The Conservation Advice for Southern Whiteface does not list any diseases as a threat to populations of the species.

Interfere substantially with the recovery of the species:

There is no recovery plan for the species. The total area of proposed vegetation clearance is small relative to potential habitat remaining within the wider landscape and is not suitable for breeding or preferred habitat of Southern Whiteface. Clearance is highly unlikely to interfere substantially with the recovery of Southern Whiteface.

8 References

- Department for Environment and Water (DEW) (2024). BDBSA Supertable overview. Accessed 23rd April 2024. Available at: https://www.environment.sa.gov.au/topics/science/information-and-data/biological-databases-of-south-australia
- Department of Climate Change, Energy, the Environment and Water (DCCEEW) (2024) Protected Matters Search Tool. Accessed: 23rd April 2024. Available at: http://www.environment.gov.au/epbc/protected-matters-search-tool
- Department of the Environment (DotE) (2013) Matters of National Environmental Significance, Significant impact guidelines 1.1, *Environment Protection and Biodiversity Conservation Act 1999*. Available from: https://www.dcceew.gov.au/environment/epbc/publications/significant-impact-guidelines-11-matters-national-environmental-significance
- NatureMaps (2024) EnviroData SA. Government of South Australia, Department of Environment and Water (DEW). Available at: http://spatialwebapps.environment.sa.gov.au/naturemaps/?locale=en-us&viewer=naturemaps
- Native Vegetation Council (NVC) (2024) Bushland Assessment Manual. Government of South Australia, Department for Environment and Water, Adelaide.

9Appendices

9.1 PMST Results

Department of Climate Change, Energy, the Environment and Water

Protected Matters Search Tool

Report Generated - 9:51AM - 24 April 2024

Matters of National Environment Significance	Count
World Heritage Properties	0
National Heritage Places	0
Wetlands of International Importance (Ramsar Wetlands)	1
Great Barrier Reef Marine Park	0
Commonwealth Marine Area	0
<u>Listed Threatened Ecological Communities</u>	3
<u>Listed Threatened Species</u>	28
Listed Migratory Species	11

Count		
2		
0		
0		
6		
0		
0		
0		
0		

Other Matters Protected by the EPBC Act	Count
Commonwealth Lands	1
Commonwealth Heritage Places	0
Listed Marine Species	17
Whales and Other Cetaceans	0
Critical Habitats	0
Commonwealth Reserves Terrestrial	0
Australian Marine Parks	0
Habitat Critical to the Survival of Marine Turtles	0

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 and is accurate at the time of generation.

Please see the caveat for interpretation of information provided here. Consider carefully the age of information for decision making.

Report Metadata Caveat

Wetlands of International Importance (Ramsar Wetlands)

Ramsar Site No. Ramsar Site Name		Proximity	Website	Buffer Status	
25	THE COORONG, AND LAKES	100 - 150km upstream	Australian Wetlands	In feature area	
	ALEXANDRINA AND ALBERT WETLAND				

Listed Threatened Ecological Communities [Resource Informat								
			Presence					
Community ID	Community Name	Threatened Category	Website	Rank	Text	Buffer Status		
1 51	Mallee Bird Community	Endangered	Species Profile and	Likely	Community likely to	In buffer area only		
3	Buloke Woodlands of	Endangered	Species Profile and	May	Community may occur	In feature area		
150	Plains mallee box	Critically Endangered	Species Profile and	May	Community may occur	In feature area		

Listed Threate	Listed Threatened Species [Resource Information					
Species ID	Scientific Name	Common Name	Class	Simple Presence	Presence Text	Threatened Categor
906	Pedionomus torquatus	Plains-wanderer	Bird	May	Species or species	Critically Endangered
856	Calidris ferruginea	Curlew Sandpiper	Bird	May	Species or species	Critically Endangered
449	Manorina melanotis	Black-eared Miner	Bird	Likely	Species or species	Endangered
82926	Lophochroa leadbeateri	Major Mitchell's	Bird	Likely	Species or species	Endangered
1001	Botaurus poiciloptilus	Australasian Bittern	Bird	May	Species or species	Endangered
77037	Rostratula australis	Australian Painted	Bird	Likely	Species or species	Endangered
91648	Amytornis striatus howei	Murray Mallee Striated	Bird	May	Species or species	Endangered
67093	Melanodryas cucullata cucullata	South-eastern Hooded	Bird	Likely	Species or species	Endangered
832	Tringa nebularia	Common Greenshank,	Bird	Likely	Species or species	Endangered
470	Grantiella picta	Painted Honeyeater	Bird	May	Species or species	Vulnerable
934	Leipoa ocellata	Malleefowl	Bird	Likely	Species or species	Vulnerable
59612	Polytelis anthopeplus	Regent Parrot (eastern)	Bird	Likely	Breeding likely to	Vulnerable
929	Falco hypoleucos	Grey Falcon	Bird	Likely	Species or species	Vulnerable
529	Aphelocephala leucopsis	Southern Whiteface	Bird	Known	Species or species	Vulnerable
59398	Stagonopleura guttata	Diamond Firetail	Bird	Known	Species or species	Vulnerable
863	Gallinago hardwickii	Latham's Snipe,	Bird	May	Species or species	Vulnerable
726	Neophema chrysostoma	Blue-winged Parrot	Bird	Likely	Species or species	Vulnerable
874	Calidris acuminata	Sharp-tailed Sandpiper	Bird	Known	Species or species	Vulnerable
84745	Galaxias rostratus	Flathead Galaxias,	Fish	May	Species or species	Critically Endangered
76155	Bidyanus bidyanus	Silver Perch, Bidyan	Fish	Known	Species or species	Critically Endangered
56791	Craterocephalus fluviatilis	Murray Hardyhead	Fish	May	Species or species	Endangered
66633	Maccullochella peelii	Murray Cod	Fish	Known	Species or species	Vulnerable
1828	Litoria raniformis	Southern Bell Frog,,	Frog	Known	Species or species	Vulnerable
83395	Nyctophilus corbeni	Corben's Long-eared	Mammal	May	Species or species	Vulnerable
11956	Dodonaea subglandulifera	Peep Hill Hop-bush	Plant	May	Species or species	Endangered
9190	Lepidium monoplocoides	Winged Pepper-cress	Plant	May	Species or species	Endangered
7997	Pterostylis xerophila	Desert Greenhood	Plant	May	Species or species	Vulnerable
56344	Swainsona pyrophila	Yellow Swainson-pea	Plant	May	Species or species	Vulnerable

Listed Migrato	Listed Migratory Species [Resource Information]					
				Presence	Presence	
Species ID	Scientific Name	Common Name	Class	Rank	Text	Threatened Category
59309	Actitis hypoleucos	Common Sandpiper	Bird	Known	Species or species	
678	Apus pacificus	Fork-tailed Swift	Bird	Likely	Species or species	
874	Calidris acuminata	Sharp-tailed Sandpiper	Bird	Known	Species or species	Vulnerable
856	Calidris ferruginea	Curlew Sandpiper	Bird	May	Species or species	Critically Endangered
858	Calidris melanotos	Pectoral Sandpiper	Bird	Known	Species or species	
863	Gallinago hardwickii	Latham's Snipe,	Bird	May	Species or species	Vulnerable
642	Motacilla cinerea	Grey Wagtail	Bird	May	Species or species	
644	Motacilla flava	Yellow Wagtail	Bird	May	Species or species	
612	Myiagra cyanoleuca	Satin Flycatcher	Bird	May	Species or species	
952	Pandion haliaetus	Osprey	Bird	Likely	Species or species	
832	Tringa nebularia	Common Greenshank,	Bird	Likely	Species or species	Endangered

Commonwealth Lands	[Resource Information]

Commonwealth	Commonwealth	Agency	State	Buffer Status
41450	Commonwealth Land -	Transport and Regional	SA	In buffer area only

Listed Marine	aparter.			In .	, Line	esource Information
				Presence		
Species ID	Scientific Name	Common Name	Class	Rank	Text	Threatened Categor
670	Merops ornatus	Rainbow Bee-eater	Bird	May	Species or species	
612	Myiagra cyanoleuca	Satin Flycatcher	Bird	May	Species or species	
642	Motacilla cinerea	Grey Wagtail	Bird	May	Species or species	
678	Apus pacificus	Fork-tailed Swift	Bird	Likely	Species or species	
77037	Rostratula australis	Australian Painted	Bird	Likely	Species or species	Endangered
66521	Bubulcus ibis	Cattle Egret	Bird	May	Species or species	
863	Gallinago hardwickii	Latham's Snipe,	Bird	May	Species or species	Vulnerable
943	Haliaeetus leucogaster	White-bellied Sea-	Bird	Likely	Species or species	
858	Calidris melanotos	Pectoral Sandpiper	Bird	Known	Species or species	
644	Motacilla flava	Yellow Wagtail	Bird	May	Species or species	
83425	Chalcites osculans	Black-eared Cuckoo	Bird	Likely	Species or species	
59309	Actitis hypoleucos	Common Sandpiper	Bird	Known	Species or species	
856	Calidris ferruginea	Curlew Sandpiper	Bird	May	Species or species	Critically Endangered
726	Neophema	Blue-winged Parrot	Bird	Likely	Species or species	Vulnerable
832	Tringa nebularia	Common Greenshank,	Bird	Likely	Species or species	Endangered
952	Pandion haliaetus	Osprey	Bird	Likely	Species or species	
874	Calidris acuminata	Sharp-tailed Sandpiper	Bird	Known	Species or species	Vulnerable

State and Territory Reserves Resource Information

Protected Area ID	Protected Area	Reserve Type	State	Jurisdiction	Environment	Buffer Status
SA_1299	Unnamed (No.HA1299)	Heritage Agreement	SA	State	Terrestrial	In buffer area only
SA_1352	Unnamed (No.HA1352)	Heritage Agreement	SA	State	Terrestrial	In feature area

EPBC Act Referrals [Resource Information]

Reference Number	Title of referral	Jurisdiction	Industry Type	Stage	Stage Description	Referral Outcome
2017/7996	INDIGO Marine Cable	CM	Telecommunications	Post-Approval	Referral Decision Made	Not Controlled Action
2001/510	Nava-1 Cable System	CM	Telecommunications	Completed	Withdrawn	Controlled Action
2007/3484	Proposed temporary	SA	Water Management	Completed	Withdrawn	Controlled Action
2015/7522	Improving rabbit	NSW	Natural Resources	Completed	Referral Decision Made	Not Controlled Action
2017/8127	INDIGO Central	NSW	Telecommunications	Completed	Referral Decision Made	Not Controlled Action
2004/1792	Fish	SA	Water Management	Completed	Referral Decision Made	Not Controlled Action

9.2 BDBSA Flora Records within 5 km of the Project area

Scientific name	Common name	Date of last record
Acacia ligulata	Umbrella Bush	13/05/2014
Acacia nyssophylla	Spine Bush	13/05/2014
Acacia oswaldii	Umbrella Wattle	23/09/2010
Acacia stenophylla	River Cooba	13/02/2013
Agrostis avenacea var. avenacea (NC)	Common Blown-grass	20/11/2002
Ajuga iva	Bugle	5/11/2012
Alectryon oleifolius ssp. canescens	Bullock Bush	23/09/2003
Alopecurus geniculatus	Marsh Fox-tail	16/07/2003
Alternanthera denticulata	Lesser Joyweed	20/02/2013
Alternanthera denticulata (NC)	Lesser Joyweed	7/12/2009
Alternanthera nodiflora	Common Joyweed	21/11/2002
Ammannia multiflora	Jerry-jerry	20/02/2013
Angianthus tomentosus	Hairy Angianthus	23/09/2003
Aristida contorta	Curly Wire-grass	27/12/2001
Asparagus aethiopicus	Asparagus Fern	22/11/2011
Asparagus asparagoides f.	Bridal Creeper	19/11/2002
Asparagus asparagoides f. asparagoides	Bridal Creeper	16/07/2010
Asperula gemella	Twin-leaf Bedstraw	22/11/2011
Asphodelus fistulosus	Onion Weed	16/07/2010
Asteridea athrixioides	Wirewort	27/12/2001

Scientific name	Common name	Date of last reco
Atriplex leptocarpa	Slender-fruit Saltbush	21/11/2002
Atriplex prostrata	Creeping Saltbush	1/11/2005
Atriplex semibaccata	Berry Saltbush	13/02/2013
Atriplex sp.	Saltbush	7/12/2009
Atriplex stipitata (NC)	Bitter Saltbush	13/05/2014
Atriplex suberecta	Lagoon Saltbush	7/12/2009
Atriplex vesicaria	Bladder Saltbush	7/12/2009
Austrobryonia micrantha	Desert Cucumber	20/02/2013
Austrostipa elegantissima	Feather Spear-grass	5/11/2012
Austrostipa eremophila	Rusty Spear-grass	27/12/2001
Austrostipa nitida	Balcarra Spear-grass	5/11/2012
Austrostipa nodosa	Tall Spear-grass	23/09/2003
Austrostipa puberula	Fine-hairy Spear-grass	27/12/2001
Austrostipa scabra ssp. falcata	Slender Spear-grass	27/12/2001
Austrostipa sp.	Spear-grass	13/05/2014
Austrostipa trichophylla	-p-m g/m	27/12/2001
Avena barbata	Bearded Oat	1/11/2005
Avena fatua	Wild Oat	23/09/2003
Azolla rubra	Pacific Azolla	13/02/2013
Brachyscome ciliaris var. ciliaris	Variable Daisy	19/11/2002
Brachyscome paludicola	Swamp Daisy	20/11/2002
Brassica tournefortii	Wild Turnip	23/07/2002
Brassicaceae sp.	Cress Family	13/05/2014
Bromus catharticus	Prairie Grass	1/11/2005
Bromus diandrus	Great Brome	1/11/2005
Bromus hordeaceus ssp. hordeaceus	Soft Brome	1/11/2005
Bromus rubens	Red Brome	20/11/2002
Bupleurum semicompositum	Hare's Ear	22/11/2011
Callistemon brachyandrus	Prickly Bottlebrush	24/02/2012
Calotis cuneifolia	Purple Burr-daisy	19/03/2009
Calotis hispidula	Hairy Burr-daisy	23/09/2010
Calotis scapigera	Tufted Burr-daisy	13/01/2012
Cardamine moirensis	runca ban aaisy	13/01/2012
Carpobrotus rossii	Native Pigface	1/11/2005
Carrichtera annua	Ward's Weed	13/05/2014
Carthamus lanatus	Saffron Thistle	29/02/2004
Casuarina pauper	Black Oak	13/05/2014
Cenchrus ciliaris	Buffel Grass	26/08/2013
Cenchrus ciliaris/pennisetiformis	Buffel Grass	11/05/2012
Centaurea calcitrapa	Star Thistle	29/02/2004
Centaurea melitensis	Malta Thistle	23/09/2003
Centipeda cunninghamii	Common Sneezeweed	20/02/2013
Centipeda cunninghamii (NC)	Common Sneezeweed	19/11/2002
Ceratophyllum demersum	Hornwort	18/09/2011
Chamaesyce drummondii (NC)	Caustic Weed	21/11/2002
Chenopodium curvispicatum	Cottony Goosefoot	5/11/2012
Chloris truncata	Windmill Grass	
	Skeleton Weed	1/11/2005
Chondrilla juncea		27/12/2001
Cirsium vulgare	Spear Thistle	20/11/2002
Convolvulus angustissimus ssp. angustissimus (NC)	Narrow-leaf Bindweed	23/09/2010
Convolvulus remotus	Grassy Bindweed	13/05/2014
Craspedia sp. Crassula helmsii	Swamp Crassula	1/11/2005 13/02/2013

Scientific name	Common name	Date of last record
Crassula tetragona ssp. robusta	Crassula	22/11/2011
Cullen australasicum	Tall Scurf-pea	6/12/2008
Cuscuta campestris	Golden Dodder	13/01/2012
Cynara cardunculus ssp. flavescens	Artichoke Thistle	20/11/2002
Cynodon dactylon var. dactylon	Couch	13/02/2013
Cynodon sp.	Couch	1/11/2005
Cyperus difformis	Variable Flat-sedge	20/02/2013
Cyperus eragrostis	Drain Flat-sedge	23/07/2002
Cyperus exaltatus	Splendid Flat-sedge	20/02/2013
Cyperus gymnocaulos	Spiny Flat-sedge	20/02/2013
'dead Eucalyptus' camaldulensis var. camaldulensis		21/11/2002
Distichlis distichophylla	Emu-grass	13/02/2013
Dittrichia graveolens	Stinkweed	13/02/2013
Dodonaea viscosa ssp.	Sticky Hop-bush	10/12/2001
Dodonaea viscosa ssp. angustissima	Narrow-leaf Hop-bush	13/05/2014
Duma florulenta	Lignum	20/02/2013
Dysphania pumilio	Small Crumbweed	1/11/2005
Echium plantagineum	Salvation Jane	23/09/2003
Eclipta platyglossa ssp. platyglossa	Yellow Twin-heads	21/11/2002
Einadia nutans ssp.	Climbing Saltbush	13/02/2013
Einadia nutans ssp. Einadia nutans ssp. nutans	Climbing Saltbush	21/11/2002
Eleocharis acuta	Common Spike-rush	
	Ruby Saltbush	1/11/2005
Enchylaena tomentosa var.	Ruby Saltbush	13/05/2014
Enchylaena tomentosa var. tomentosa		13/02/2013
Enneapogon nigricans	Black-head Grass	27/12/2001
Eragrostis elongata	Clustered Love-grass	6/12/2008
Eremophila divaricata ssp. divaricata	Spreading Emubush	19/11/2002
Eremophila gibbifolia	Coccid Emubush	1/11/2005
Eremophila scoparia	Broom Emubush	1/11/2005
Eremophila sp.	Emubush/Turkey-bush	1/11/2005
Eriochiton sclerolaenoides	Woolly-fruit Bluebush	5/11/2012
Erodium cicutarium	Cut-leaf Heron's-bill	19/11/2002
Erodium crinitum	Blue Heron's-bill	23/09/2010
Eucalyptus camaldulensis ssp.	River Red Gum	7/12/2009
Eucalyptus camaldulensis ssp. camaldulensis	River Red Gum	18/09/2017
Eucalyptus camaldulensis var. camaldulensis (NC)	River Red Gum	23/07/2002
Eucalyptus gracilis	Yorrell	23/09/2003
Eucalyptus largiflorens	River Box	20/02/2013
Eucalyptus oleosa (NC)	Red Mallee	23/09/2003
Eucalyptus oleosa ssp.		13/05/2014
Eucalyptus phenax (NC)	Sessile-fruit White Mallee	23/09/2003
Eucalyptus socialis (NC)	Beaked Red Mallee	23/09/2003
Euphorbia dallachyana	Caustic Weed	20/11/2002
Euphorbia terracina	False Caper	1/11/2005
Geijera linearifolia	Sheep Bush	5/11/2012
Glinus lotoides	Hairy Carpet-weed	20/02/2013
Goodenia glauca	Pale Goodenia	20/11/2002
Goodenia pusilliflora	Small-flower Goodenia	13/05/2014
Gramineae sp.	Grass Family	1/11/2005
Helichrysum scorpioides (NC)	Button Everlasting	1/11/2005
Helichrysum sp.	Everlasting	1/11/2005
Heliotropium curassavicum	Smooth Heliotrope	13/02/2013
Heliotropium supinum	Creeping Heliotrope	20/02/2013

Scientific name	Common name	Date of last reco
Helminthotheca echioides	Ox-tongue	21/11/2002
Hordeum leporinum	Wall Barley-grass	23/09/2003
Hornungia procumbens	Oval Purse	20/11/2002
Hydrocotyle verticillata	Shield Pennywort	13/02/2013
Hypertelis cerviana	Wire-stem Chickweed	1/11/2005
Hypochaeris radicata	Rough Cat's Ear	27/12/2001
Isoetopsis graminifolia	Grass Cushion	23/09/2010
Isolepis australiensis	Southern Club-rush	1/03/1997
luncus acutus	Sharp Rush	16/07/2010
luncus aridicola	Inland Rush	20/02/2013
luncus caespiticius	Grassy Rush	13/02/2013
Juncus pallidus	Pale Rush	23/07/2002
luncus subsecundus	Finger Rush	7/12/2009
luncus usitatus	Common Rush	1/11/2005
Lachnagrostis sp.	Blown-grass	1/11/2005
Lactuca saligna	Willow-leaf Lettuce	1/11/2005
Lactuca serriola f. serriola	Prickly Lettuce	27/12/2001
Lawrencia squamata	Thorny Lawrencia	13/05/2014
Lepidium africanum	Common Peppercress	21/11/2002
Lepidium didymum	Lesser Swine's-cress	13/01/2012
Lepidium pseudotasmanicum	Shade Peppercress	16/07/2003
Lepidium sp.	Peppercress	7/12/2009
Limonium lobatum	Winged Sea-lavender	27/12/2001
Lobelia anceps	Angled Lobelia	22/11/2011
Ludwigia peploides ssp. montevidensis	Water Primrose	13/02/2013
Lycium australe	Australian Boxthorn	5/11/2012
Lycium dustrale Lycium ferocissimum	African Boxthorn	23/08/2011
Lyctum Jerocissimum Maireana brevifolia	Short-leaf Bluebush	
		7/12/2009
Maireana enchylaenoides	Wingless Fissure-plant	1/11/2005
Maireana lobiflora	Lobed Bluebush	23/09/2010
Maireana microcarpa	Swamp Bluebush	1/11/2005
Maireana rohrlachii	Rohrlach's Bluebush	13/05/2014
Maireana sedifolia	Bluebush	13/05/2014
Maireana sp.	Bluebush/Fissure-plant	13/05/2014
Maireana turbinata	Top-fruit Bluebush	5/11/2012
Malva parviflora	Small-flower Marshmallow	1/11/2005
Marrubium vulgare	Horehound	1/11/2005
Marsilea drummondii	Common Nardoo	1/11/2005
Medicago minima	Little Medic	23/09/2010
Medicago polymorpha	Burr-medic	7/12/2009
Medicago sativa	Lucerne	22/11/2011
Medicago sp.	Medic	13/05/2014
Melilotus indicus	King Island Melilot	16/10/1999
Mesembryanthemum crystallinum	Common Iceplant	1/11/2005
Mesembryanthemum granulicaule	Match-head Plant	13/05/2014
Mesembryanthemum nodiflorum	Slender Iceplant	20/11/2002
Moraea setifolia	Thread Iris	23/09/2010
Myoporum montanum	Native Myrtle	13/02/2013
Myoporum platycarpum ssp.	False Sandalwood	29/02/2004
Myriophyllum papillosum	Robust Milfoil	13/02/2013
Myriophyllum verrucosum	Red Milfoil	1/11/2005
Nicotiana goodspeedii	Small-flower Tobacco	23/09/2010
Nitraria billardierei	Nitre-bush	11/12/1998

Scientific name	Common name	Date of last reco
Nymphaea mexicana	Mexican Water-lily	13/11/2013
Onopordum acanthium	Scotch Thistle	1/11/2005
Onopordum acaulon	Horse Thistle	13/05/2014
Opuntia spp.	Prickly Pear	28/11/2011
Osteocarpum acropterum var. acropterum	Tuberculate Bonefruit	1/11/2005
Paspalum distichum	Water Couch	19/11/2002
Persicaria lapathifolia	Pale Knotweed	1/11/2005
Phragmites australis	Common Reed	1/11/2005
Phyla canescens	Lippia	7/12/2009
Picris squarrosa	Squat Picris	22/11/2011
Pittosporum angustifolium	Native Apricot	29/02/2004
Plantago lanceolata var.	Ribwort	1/11/2005
Plantago lanceolata var. lanceolata	Ribwort	11/12/1998
Polygonum plebeium	Small Knotweed	20/02/2013
Polypogon monspeliensis	Annual Beard-grass	13/02/2013
Potamogeton crispus	Curly Pondweed	1/11/2005
Ranunculus pentandrus var. platycarpus	Smooth Buttercup	16/07/2003
Ranunculus pumilio var. pumilio	Ferny Buttercup	16/07/2003
Reichardia tingitana	False Sowthistle	16/07/2010
Rhagodia candolleana ssp. candolleana	Sea-berry Saltbush	23/07/2002
Rhagodia spinescens	Spiny Saltbush	23/09/2003
Rhodanthe polygalifolia	Milkwort Everlasting	21/11/2002
Roepera apiculata	Pointed Twinleaf	13/05/2014
Roepera apicalata Roepera aurantiaca ssp.	Shrubby Twinleaf	13/05/2014
	Dwarf Twinleaf	
Roepera ovata		23/09/2010
Romulea sp.	Onion-grass	13/05/2014
Rorippa palustris	Yellow Marsh-cress	20/02/2013
Rumex sp.	Dock	19/11/2002
Rytidosperma caespitosum (NC)	Common Wallaby-grass	23/09/2010
Salix babylonica	Weeping Willow	1/11/2005
Salvia verbenaca var.	Wild Sage	13/05/2014
Salvia verbenaca var. vernalis	Wild Sage	27/12/2001
Schinus molle	Pepper-tree	16/07/2010
Schismus barbatus	Arabian Grass	1/11/2005
Schoenoplectus tabernaemontani	River Club-rush	13/02/2013
Sclerolaena divaricata	Tangled Bindyi	1/11/2005
Sclerolaena muricata var. muricata	Five-spine Bindyi	20/11/2002
Sclerolaena muricata var. villosa	Five-spine Bindyi	19/11/2002
Sclerolaena obliquicuspis	Oblique-spined Bindyi	13/05/2014
Sclerolaena patenticuspis	Spear-fruit Bindyi	23/09/2010
Sclerolaena sp.	Bindyi	7/12/2009
Sclerolaena tricuspis	Three-spine Bindyi	20/11/2002
Senecio longicollaris		13/01/2012
Senecio pinnatifolius (NC)	Variable Groundsel	23/07/2002
Senecio quadridentatus	Cotton Groundsel	13/01/2012
Senecio runcinifolius	Thistle-leaf Groundsel	7/12/2009
Senecio sp.	Groundsel	23/07/2002
Senna artemisioides ssp. petiolaris		13/05/2014
Senna artemisioides ssp. petiolaris (NC)	Flat-stalk Senna	23/09/2003
Senna artemisioides ssp. X artemisioides	Silver Senna	23/09/2003
Senna artemisioides ssp. X coriacea	Broad-leaf Desert Senna	13/05/2014
Setaria jubiflora	Warrego Summer-grass	21/11/2002
Sida corrugata var.	Corrugated Sida	5/11/2012

Scientific name	Common name	Date of last record
Sida corrugata var. corrugata	Corrugated Sida	23/09/2010
Sisymbrium erysimoides	Smooth Mustard	23/09/2003
Sisymbrium irio	London Mustard	16/07/2010
Solanum opacum	Green-berry Nightshade	24/02/2012
Sonchus hydrophilus	Native Sow-thistle	27/12/2001
Sonchus oleraceus	Common Sow-thistle	23/09/2010
Sonchus sp.	Sow-thistle	13/05/2014
Spergularia diandra	Lesser Sand-spurrey	23/09/2010
Sphaeromorphaea littoralis	Spreading Nut-heads	20/02/2013
Sporobolus mitchellii	Rat-tail Couch	20/02/2013
Sporobolus virginicus	Salt Couch	19/11/2002
Stemodia florulenta	Bluerod	20/02/2013
Swainsona greyana	Darling Pea	19/03/2009
Swainsona sp.	Swainson-pea	1/11/2005
Symphyotrichum subulatum	Aster-weed	13/02/2013
Taraxacum khatoonae	Dandelion	27/12/2001
Tecticornia pergranulata ssp. pergranulata	Black-seed Samphire	13/02/2013
Tetragonia eremaea	Desert Spinach	23/09/2010
Teucrium racemosum	Grey Germander	20/02/2013
Typha domingensis	Narrow-leaf Bulrush	13/02/2013
Typha orientalis	Broad-leaf Bulrush	7/12/2009
Typha sp.	Bulrush	1/11/2005
Vallisneria australis	River Eel-grass	13/02/2013
Verbena supina var.		20/02/2013
Vittadinia australasica var. australasica	Sticky New Holland Daisy	27/12/2001
Vittadinia gracilis	Woolly New Holland Daisy	27/12/2001
Vulpia sp.	Fescue	1/11/2005
Wahlenbergia fluminalis	River Bluebell	13/02/2013
Wahlenbergia sp.	Native Bluebell	23/07/2002
Wurmbea dioica ssp.	Early Nancy	23/09/2010
Xerochrysum bracteatum	Golden Everlasting	6/12/2008

9.3 BDBSA Fauna Records within 5 km of the Project area

Scientific name	Common name	Date of last Record
Acanthagenys rufogularis	Spiny-cheeked Honeyeater	7/11/2012
Acanthiza chrysorrhoa	Yellow-rumped Thornbill	19/10/2010
Acanthiza uropygialis	Chestnut-rumped Thornbill	13/04/2005
Accipiter fasciatus fasciatus	Brown Goshawk	28/10/1999
Acrocephalus australis australis	Australian Reed Warbler	24/11/2014
Acrocephalus stentoreus	Clamorous Reedwarbler	29/11/2013
Aegotheles cristatus cristatus	Australian Owlet-nightjar	4/04/2004
Anas gracilis gracilis	Grey Teal	18/08/2014
Anas superciliosa	Pacific Black Duck	23/01/2014
Anhinga novaehollandiae novaehollandiae	Australasian Darter	14/03/2013
Anthochaera carunculata	Red Wattlebird	11/11/2012
Anthus australis	Australian Pipit	19/10/2010
Aphelocephala leucopsis leucopsis	Southern Whiteface	19/10/2010

Scientific name	Common name	Date of last Record
Aquila audax audax	Wedge-tailed Eagle	1/03/2013
Ardea alba modesta	Great Egret	14/03/2013
Ardea intermedia plumifera	Plumed Egret	21/10/2005
Ardea pacifica	White-necked Heron	14/03/2013
Artamus cyanopterus	Dusky Woodswallow	14/03/2013
Artamus superciliosus	White-browed Woodswallow	14/03/2013
Austronomus australis	White-striped Free-tailed Bat	11/04/2018
Aythya australis	Hardhead	1/03/2013
Barnardius zonarius	Australian Ringneck	4/04/2004
Cacatua galerita	Sulphur-crested Cockatoo	24/11/2014
Cacatua sanguinea gymnopis	Little Corella	14/03/2013
Calidris ruficollis	Red-necked Stint	14/03/2013
Carassius auratus	Goldfish	3/04/2017
Chalcites basalis	Horsfield's Bronze Cuckoo	11/11/2012
Chalinolobus gouldii	Gould's Wattled Bat	11/04/2018
Chalinolobus morio	Chocolate Wattled Bat	11/04/2018
Chelodina longicollis	Eastern Long-necked Turtle	28/02/2013
Chenonetta jubata	Maned Duck	14/03/2013
Cherax destructor	Common Yabbie	3/04/2017
Christinus marmoratus	Marbled Gecko	6/04/2004
Chroicocephalus novaehollandiae novaehollandiae	Silver Gull	14/03/2013
Cincloramphus mathewsi	Rufous Songlark	19/09/1996
Cinclosoma castanotum (NC)	Chestnut-backed Quailthrush (Chestnut Quailthrush)	19/09/1996
Circus approximans	Swamp Harrier	14/03/2013
Climacteris picumnus picumnus	Brown Treecreeper	24/11/2014
Colluricincla harmonica	Grey Shrikethrush	24/11/2014
Columba livia	Feral Pigeon	14/03/2013
Coracina novaehollandiae	Black-faced Cuckooshrike	14/03/2013
Corcorax melanorhamphos	White-winged Chough	5/04/2004
Corvus coronoides	Australian Raven	14/03/2013
Corvus mellori	Little Raven	11/11/2012
Coturnix pectoralis	Stubble Quail	19/09/1996
Cracticus nigrogularis nigrogularis	Pied Butcherbird (MM)	14/03/2013
Cracticus torquatus leucopterus	Grey Butcherbird	28/10/1999
Craterocephalus fulvus	Unspecked Hardyhead	3/04/2017
Crinia parinsignifera	Murray Valley Froglet	15/09/2014
Cygnus atratus	Black Swan	18/08/2014
Cyprinus carpio	European Carp	3/04/2017
Dacelo novaeguineae novaeguineae	Laughing Kookaburra	14/03/2013
Dicaeum hirundinaceum hirundinaceum	Mistletoebird	13/04/2005
Dromaius novaehollandiae	Emu	4/04/2004
Egernia striolata	Eastern Tree Skink	6/04/2004
Egretta novaehollandiae	White-faced Heron	14/03/2013

Scientific name	Common name	Date of last Record
Elanus axillaris	Black-shouldered Kite	13/08/1996
Elseyornis melanops	Black-fronted Dotterel	29/11/2013
Eolophus roseicapilla	Galah	24/11/2014
Epthianura albifrons	White-fronted Chat	1/03/2013
Erythrogonys cinctus	Red-kneed Dotterel	23/01/2014
Eulamprus quoyii	Eastern Water Skink	6/04/2004
Falco berigora berigora	Brown Falcon	5/04/2004
Falco cenchroides cenchroides	Nankeen Kestrel	24/11/2014
Fulica atra australis	Eurasian Coot	29/11/2013
Gallinula tenebrosa tenebrosa	Dusky Moorhen	14/03/2013
Gambusia holbrooki	Eastern Gambusia	3/04/2017
Gavicalis virescens	Singing Honeyeater	11/11/2012
Geopelia placida placida	Peaceful Dove	14/03/2013
Glossopsitta concinna	Musk Lorikeet	14/03/2013
Grallina cyanoleuca cyanoleuca	Magpielark	24/11/2014
Gymnorhina tibicen	Australian Magpie	24/11/2014
Haliastur sphenurus	Whistling Kite	24/11/2014
Heteronotia binoei	Bynoe's Gecko	6/04/2004
Hieraaetus morphnoides	Little Eagle	7/11/2012
Himantopus leucocephalus	Pied Stilt	23/01/2014
Hirundo neoxena neoxena	Welcome Swallow	24/11/2014
Hydroprogne caspia	Caspian Tern	14/03/2013
Hypseleotris sp.		3/04/2017
Hypseleotris spp. (complex)	n/a	15/10/2013
Lalage tricolor	White-winged Triller	19/09/1996
Lasiorhinus latifrons	Southern Hairy-nosed Wombat	19/10/2010
Lepus europaeus	European Brown Hare	4/04/2004
Limnodynastes dumerilii	Banjo Frog	15/09/2014
Limnodynastes tasmaniensis	Spotted Marsh Frog	15/09/2014
Litoria calliscelis	South Australia Tree Frog (MLR MN)	2/09/2013
Litoria peronii	Peron's Tree Frog	15/09/2014
Litoria raniformis raniformis	Southern Bell Frog (MLR)	16/11/2010
Macquaria ambigua ambigua	Murray-Darling Golden Perch	15/10/2013
Macropus (Osphranter) robustus	Euro	2/04/2004
Macropus (Osphranter) rufus	Red Kangaroo	13/10/2010
Macropus fuliginosus	Western Grey Kangaroo	11/11/2012
Macropus sp.		19/10/2010
Malacorhynchus membranaceus	Pink-eared Duck	29/11/2013
Malurus assimilis assimilis	Purple-backed Fairywren	14/03/2013
Malurus cyaneus leggei	Superb Fairywren (Mainland SA)	24/11/2014
Malurus leucopterus leuconotus	White-winged Fairywren	19/10/2010
Malurus sp.	fairywrens	4/04/2004
Manorina melanocephala	Noisy Miner	24/11/2014
Melanotaenia fluviatilis	Murray Rainbowfish	3/04/2017

Scientific name	Common name	Date of last Record
Menetia greyii	Dwarf Skink	7/04/2004
Merops ornatus	Rainbow Bee-eater	1/03/2013
Microcarbo melanoleucos melanoleucos	Little Pied Cormorant	21/10/2005
Milvus migrans affinis	Black Kite	17/10/2010
Misgurnus anguillicaudatus	Oriental Weatherloach	15/10/2013
Morelia spilota	Carpet Python	10/10/2008
Morethia boulengeri	Common Snake-eye	7/04/2004
Mormopterus planiceps	Southern Free-tailed Bat	11/04/2018
Mus musculus	House Mouse	7/04/2004
Myiagra inquieta	Restless Flycatcher	19/09/1996
Myotis macropus	Large-footed Myotis	10/04/2018
Nematalosa erebi	Bony Bream	3/04/2017
Ninox boobook	Australian Boobook	5/04/2004
Nycticorax caledonicus australasiae	Nankeen Night Heron	1/03/2013
Nyctophilus geoffroyi	Lesser Long-eared Bat	11/04/2018
Nyctophilus sp.		20/02/2018
Nymphicus hollandicus	Cockatiel	3/04/2004
Ocyphaps lophotes lophotes	Crested Pigeon	24/11/2014
Oryctolagus cuniculus	Rabbit (European Rabbit)	11/11/2012
Ovis aries	Sheep (Feral Sheep)	19/10/2010
Pachycephala rufiventris rufiventris	Rufous Whistler	19/09/1996
Pardalotus striatus substriatus	Striated Pardalote	24/11/2014
Parvipsitta porphyrocephala	Purple-crowned Lorikeet	11/11/2012
Passer domesticus domesticus	House Sparrow	14/03/2013
Pelecanus conspicillatus	Australian Pelican	23/01/2014
Perca fluviatilis	Redfin Perch	31/10/2012
Petrochelidon ariel	Fairy Martin	14/03/2013
Petrochelidon nigricans	Tree Martin	24/11/2014
Petrochelidon sp.	Fairy/Tree Martin spp	4/04/2004
Phalacrocorax carbo	Great Cormorant	14/03/2013
Phalacrocorax sulcirostris	Little Black Cormorant	29/11/2013
Phalacrocorax varius hypoleucos	Australian Pied Cormorant	14/03/2013
Phaps chalcoptera	Common Bronzewing	4/11/2003
Philypnodon grandiceps	Big-headed Gudgeon	3/04/2017
Philypnodon macrostomus	Dwarf Flathead Gudgeon	3/10/2013
Phylidonyris novaehollandiae novaehollandiae	New Holland Honeyeater (mainland SA)	11/11/2012
Platalea flavipes	Yellow-billed Spoonbill	1/03/2013
Platalea regia	Royal Spoonbill	1/03/2013
Platycercus elegans	Crimson Rosella	24/11/2014
Poliocephalus poliocephalus	Hoary-headed Grebe	28/10/1999
Pomatostomus ruficeps	Chestnut-crowned Babbler	19/10/2010
Pomatostomus superciliosus	White-browed Babbler	14/03/2013
Poodytes gramineus goulburni	Little Grassbird	29/11/2013
Porphyrio melanotus melanotus	Australasian Swamphen	14/03/2013

Scientific name	Common name	Date of last Record
Psephotus haematonotus haematonotus	Red-rumped Parrot (eastern SA except NE)	4/04/2004
Ptilotula ornata	Yellow-plumed Honeyeater	4/11/2003
Ptilotula penicillata	White-plumed Honeyeater	24/11/2014
Purnella albifrons	White-fronted Honeyeater	28/10/1999
Rattus rattus	Black Rat (Ship Rat, Roof Rat)	7/04/2004
Recurvirostra novaehollandiae	Red-necked Avocet	1/03/2013
Retropinna semoni	Australian Smelt	15/10/2013
Rhipidura leucophrys leucophrys	Willie Wagtail	24/11/2014
Smicrornis brevirostris	Weebill	11/11/2012
Spatula rhynchotis	Australasian Shoveler	29/11/2013
Spilopelia chinensis	Spotted Dove	1/03/2013
Stictonetta naevosa	Freckled Duck	29/11/2013
Strepera versicolor melanoptera	Black-winged Currawong (MLR, MM, SE)	1/03/2013
Sturnus vulgaris vulgaris	Common Starling	14/03/2013
Tachybaptus novaehollandiae novaehollandiae	Australasian Grebe	14/03/2013
Tachyglossus aculeatus	Short-beaked Echidna	6/04/2004
Tadorna tadornoides	Australian Shelduck	14/03/2013
Tadpole sp.	tadpole	16/11/2010
Taeniopygia guttata castanotis	Zebra Finch	14/03/2013
Tandanus tandanus	Freshwater Catfish	2/10/2013
Threskiornis molucca molucca	Australian White Ibis	23/01/2014
Threskiornis spinicollis	Straw-necked Ibis	18/08/2014
Todiramphus sanctus sanctus	Sacred Kingfisher	26/01/2024
Tribonyx ventralis	Black-tailed Nativehen	23/01/2014
Trichosurus vulpecula	Common Brushtail Possum	4/04/2004
Turdus merula merula	Common Blackbird	28/10/1999
Vanellus miles	Masked Lapwing	29/11/2013
Vanellus tricolor	Banded Lapwing	17/10/2010
Vespadelus regulus	Southern Forest Bat	9/04/2018
Vespadelus vulturnus	Little Forest Bat	11/04/2018
Vulpes vulpes	Fox (Red Fox)	4/04/2004