

## Native Vegetation Clearance

### Residential Subdivision, Whyalla

### Data Report

Clearance under the *Native Vegetation Regulations 2017*

June 2024

Prepared by West Coast Revegetation NVC Accredited Consultant Phil Landless



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# 1. Application information

## Application Details

Applicant:			
Key contact:			
Landowner:			
Site Address:	Lot 1 Newton St, Whyalla SA 5600		
Local Government Area:	Corporation of the City of Whyalla	Hundred:	Randell
Title ID:	CT5489/772	Parcel ID	F10062 AL1

## Summary of proposed clearance

Purpose of clearance	Clearance required for a residential subdivision.
Native Vegetation Regulation	Regulation 12(35) Residential subdivision.
Description of the vegetation under application	0.84 ha of Low Open Woodland with Chenopod Shrub understorey in good condition.
Total proposed clearance - area (ha) and number of trees	0.84 ha are proposed to be cleared.
Level of clearance	Level 4
Overlay (Planning and Design Code)	Native Vegetation Overlay

## Map of proposed clearance area



## Mitigation hierarchy

### Avoidance

The location, design, size or scale of the clearance cannot be adjusted in order to reduce the scale of the impact. The areas under application will be cleared to facilitate the development of the proposed residential subdivision of thirteen house blocks, with associated services and infrastructure.

### Minimisation

The proposed development of the site and supporting infrastructure requires the

	<p>removal of all vegetation within the application area. Due to the nature of the development, impacts on the vegetation cannot be minimised.</p> <p>Extent, duration and intensity of the impacts to the site will be minimized by the following:</p> <ul style="list-style-type: none"> <li>• Access to the proposed clearance site will be from Broadbent Terrace and Nelson St,</li> <li>• Cleared vegetation will be stored on-site before removal, minimizing impacts to surrounding vegetation,</li> <li>• All clearance activities necessary will be staged from within the application area,</li> <li>• Servicing, refueling and inspection for machinery contaminant leaks will be carried out on the block</li> </ul> <p><b>Rehabilitation</b></p> <p>Vegetation clearance will be permanent. No rehabilitation or restoration is proposed.</p>
SEB Offset proposal	<b>Payment</b> of \$4,424.22 (SEB payment plus administration fee).

## 2. Purpose of clearance

### 2.1 Description

The applicant is applying to clear an area of native vegetation to facilitate the subdivision of this block of land into thirteen residential allotments. Access to allotments 1-6 will be from Broadbent Terrace. Access to allotments 7-13 will be from the road reserve which is an extension of Nelson St (Figure 4).

### 2.2 Background

Lot 1 Newton Rd is located approximately 2 km south-west of the Whyalla CBD on the edge of a residential area. It is in the local government area of the Corporation of the City of Whyalla (Figures 1, 2, 3).

The area under application is 0.84 ha of Low Open Woodland with Chenopod Shrub understorey in good condition.



## 2.3 General location maps

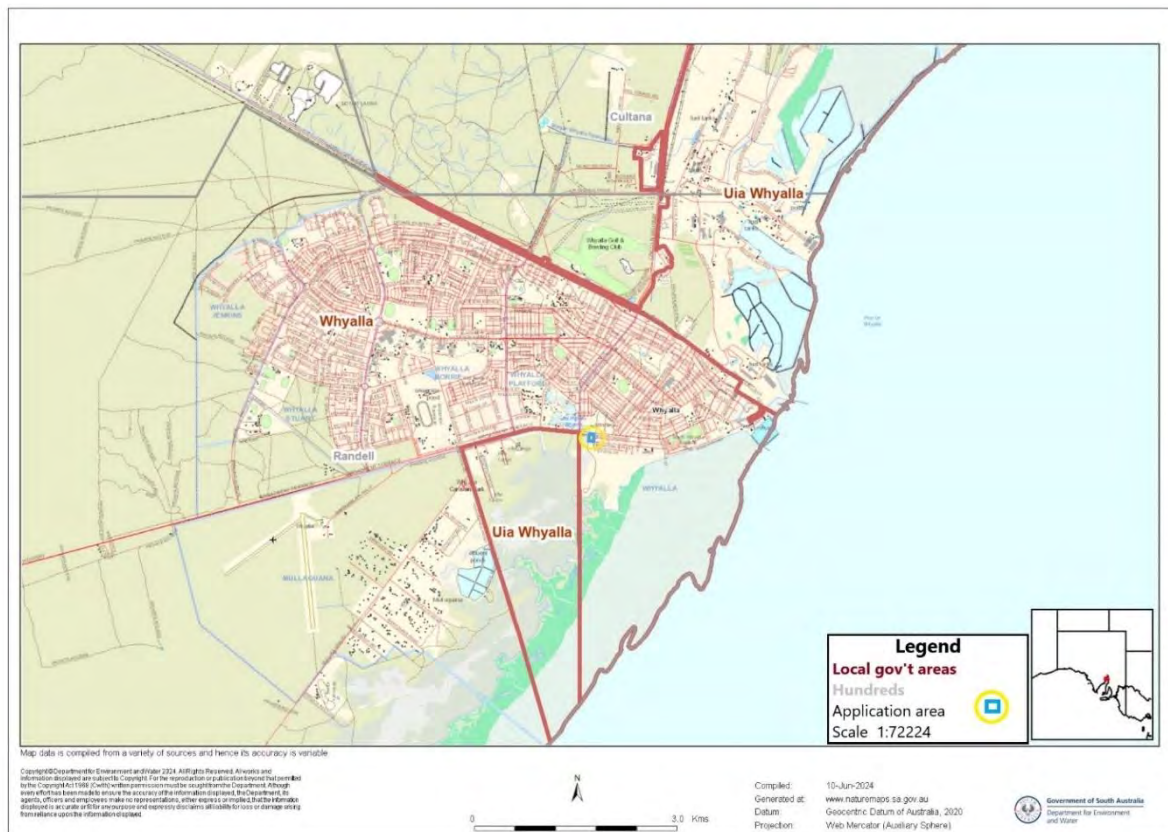
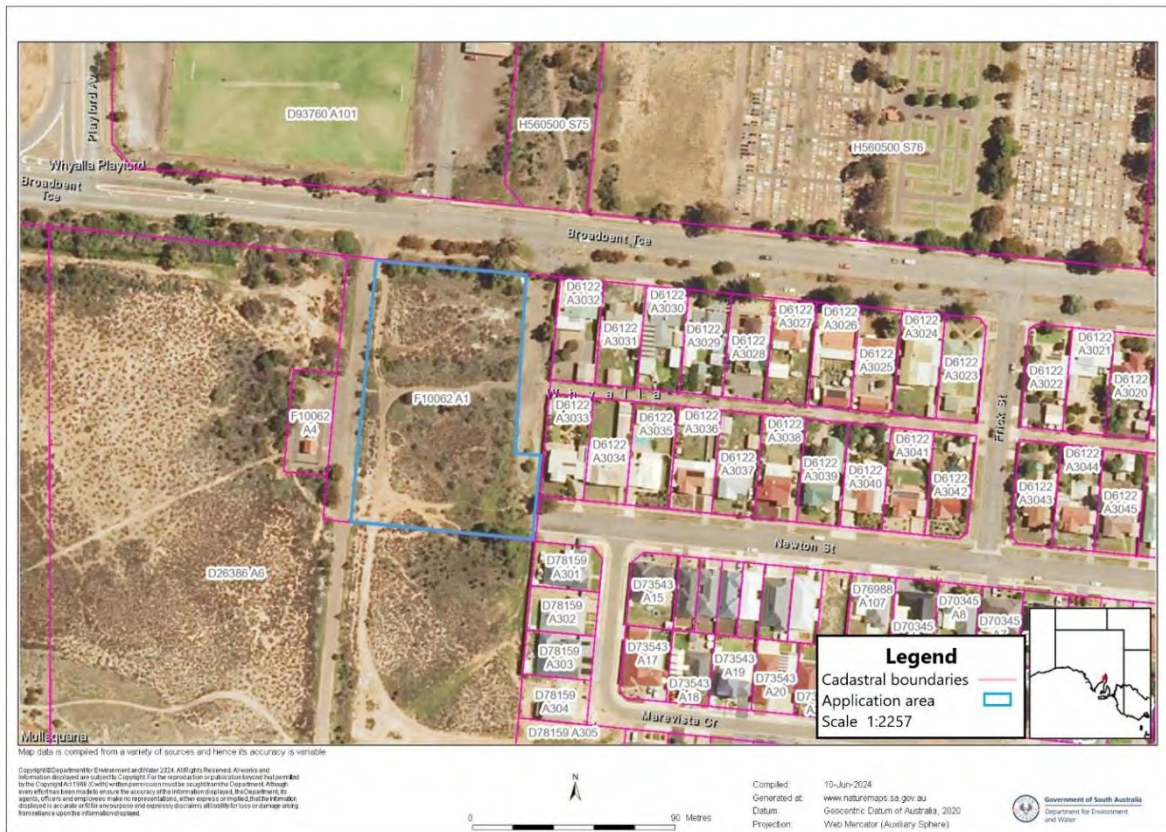


Figure 1. General location map.



Figure 2. General location satellite image.



**Figure 3.** Site satellite image.

## 2.4 Details of the proposal

An application for Planning and Division Consent has been lodged for Lot 1 Newton St Whyalla. The application is to divide Lot 1 Newton St into thirteen residential allotments, a reserve and a public road reserve. Access to allotments 1-6 will be from Broadbent Terrace. Access to allotments 7-13 will be from the road reserve which is an extension of Nelson St.

This application is to clear native vegetation on the proposed residential allotments and the public road reserve (Figure 4).





## 2.6 Native Vegetation Regulation

The proposed clearance will be assessed under Regulation 12(35) Residential subdivision.

## 2.7 Development Application information (if applicable)

### Zone

- General Neighbourhood – GN

### Overlays

- Affordable Housing
- Building Near Airfields
- Hazards (Bushfire – Regional)
- Hazards (Flooding – Evidence Required)
- Native Vegetation

# 3. Method

## 3.1 Flora assessment

A desktop survey was conducted, prior to the field work, using the BDBSA on NatureMaps for the presence of species with state and/or national conservation status within a 5 km radius of the block, recorded before 1995.

The field work was carried out on 4 June 2024 by Phil Landless (NVC Accredited Consultant), following the methodology set out in the NVC Bushland Assessment Manual 2020. The site was surveyed, a species list prepared, and scores for the other attributes listed on the field data sheet were recorded. Plants with conservation status under the NP&W 1972 or the EPBC Act 1999 (as identified by the desktop survey) were actively searched for during the field survey (Table 1).

## 3.2 Fauna assessment

A desktop fauna survey was conducted prior to the field work, using the BDBSA on NatureMaps for the presence of species with state and/or national conservation status within a 5 km radius of the block, recorded before 1995. Fauna species with conservation status under the NP&W 1972 or the EPBC Act 1999 (as identified by the desktop survey) were actively searched for during the field survey (Table 2).



# 4. Assessment Outcomes

## 4.1 Vegetation Assessment


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

For this report the area under application has been included in the Whyalla IBRA Association (NatureMaps shows the IBRA Association for this area has not been updated for IBRA Version 7.0) and is in the Myall Plains IBRA Subdivision. The site is relatively level. Soil is a sandy clay-loam. There are no significant features such as watercourses. The block is traversed by numerous vehicle and walking tracks.

The vegetation under application is an area of low open woodland/open shrubland, comprised of *Atriplex/Tecticornia* chenopod shrubs with emergent *Myoporum acuminatum*. The number of native species recorded suggests that the vegetation is in good condition. The vegetation is relatively homogenous across the block. A row of *Tamarix* trees, *Tamarix sp.*, have been planted along the Broadbent Terrace boundary.

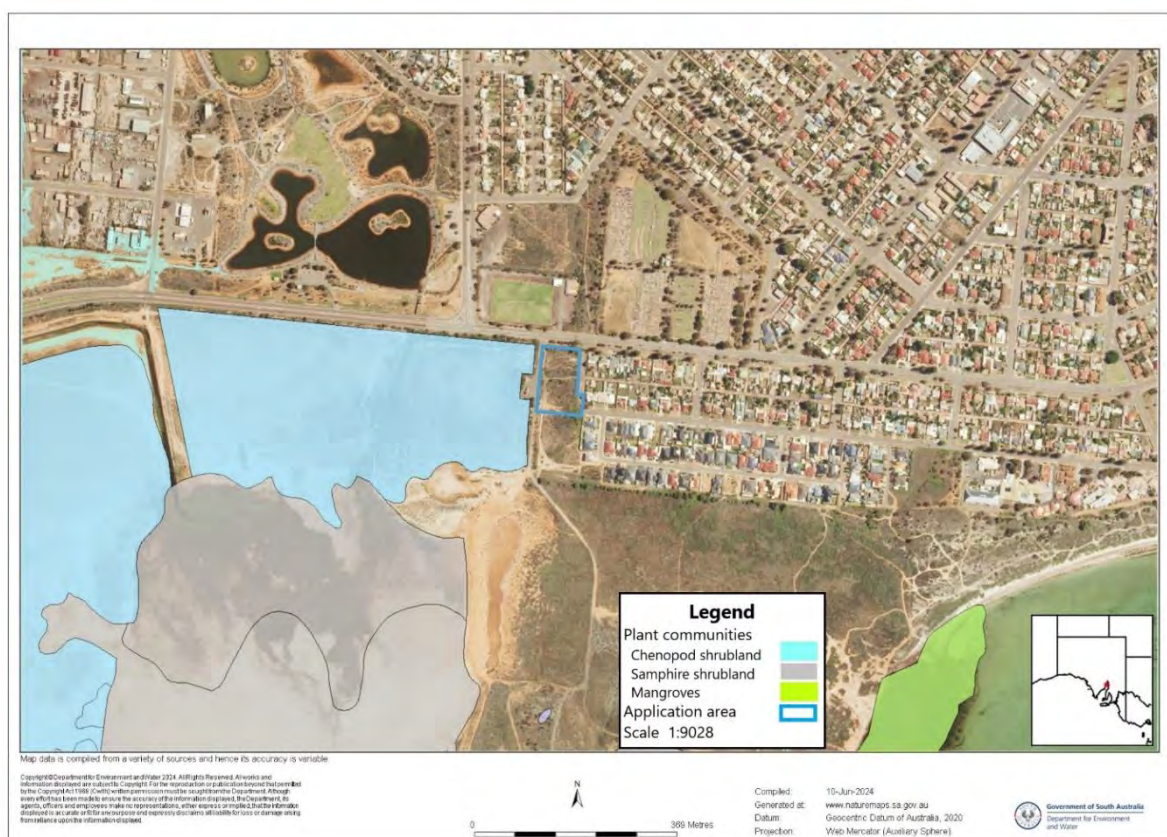
Whyalla Conservation Park is 9 km to the north. The closest approved clearance application areas are 2020\_2007 and 2022\_3151, 1 km to the west; and 2022\_3047, 800 m to the east.

### Details of the vegetation associates/scattered trees proposed to be impacted

Vegetation Association	Low open woodland/open shrubland, comprised of <i>Atriplex/Tecticornia</i> chenopod shrubs with emergent <i>Myoporum acuminatum</i>
 <p><b>Position:</b> 53S 739523E 6341270N <b>Direction of photo:</b> SE 120°</p>	
General description	Thirty-three plant species were recorded, twenty native and thirteen introduced. The dominant native species was <i>Myoporum platycarpum</i> False Sandalwood, as an emergent small tree, over <i>Atriplex vesicaria</i> Bladder Saltbush, <i>Tecticornia sp.</i> Samphire. Common introduced species recorded were <i>Schinus molle</i> Peppercorn, <i>Tamarix sp.</i> Tamarix and <i>Aizoon pubescens</i> Coastal Galenia.

Threatened species or community	<p><b>Threatened flora species</b> Four threatened species were noted in the threatened species search to be present within a 5 km radius of the site. Only two, <i>Acacia pendula</i> (Weeping Myall) and <i>Orobanche cernua</i> var. <i>Australiana</i> (Australian Broomrape) have been recorded since 1995. Neither were considered as possibly occurring on the application site. None were recorded.</p> <p><b>Threatened plant community</b> The vegetation association on the site, Low Open Woodland/Open Shrubland, comprised of <i>Atriplex/Tecticornia</i> chenopod shrubs, does not appear in the Provisional List of Threatened Ecosystems included in the NVC Bushland Assessment Manual 2020.</p> <p><b>Threatened fauna species</b> Fifteen threatened fauna species were noted in the threatened species search to be present within a 5 km radius of the site. One, <i>Amytornis textilis myall</i> (Western Grasswren), was considered as a possible user of the vegetation as habitat. None were recorded.</p>				
Landscape context score	1.09	Vegetation Condition Score	41.46	Conservation significance score	1.08
Unit biodiversity Score	48.80	Area (ha)	0.93 ha	Total biodiversity Score	45.39

### Site map showing areas of proposed impact



**Figure 5.** Site map and local vegetation communities.

### Photo log

Photolog appears as Appendix 7.4

## 4.2 Threatened Species assessment

**Table 1. Flora species observed on site, or recorded within 5km of the application area since 1995, or the vegetation is considered to provide suitable habitat**

Species (common name)	NP&W Act	EPBC Act	Data source	Date of last record	Species known habitat preferences	Likelihood of use for habitat – Comments
<i>Acacia pendula</i> (Weeping Myall)	V		3	2018	Floodplains on fertile alluvial clay, mainly in NSW and Queensland.	Unlikely. Not suitable habitat.
<i>Orobanche cernua</i> var. <i>Australiana</i> (Australian Broomrape)	R		3	2016	Dry sandy creek beds.	Unlikely. Not suitable habitat.
Source; 1- BDBSA, 2 - AoLA, 3 – NatureMaps 4 – Observed/recorded in the field, 5 - Protected matters search tool, 6 – others NP&W Act; E= Endangered, V = Vulnerable, R= Rare EPBC Act; Ex = Extinct, CR = Critically endangered, EN = Endangered; VU = Vulnerable						

**Table 2. Fauna species observed on site, or recorded within 5km of the application area since 1995, or the vegetation is considered to provide suitable habitat**

Species (common name)	NP&W Act	EPBC Act	Data source	Date of last record	Species known habitat preferences	Likelihood of use for habitat – Comments
<i>Actitis hypoleucos</i> (Common Sandpiper)	R		3	2018	Coastal or inland wetlands (saline or fresh), on muddy edges and rocky shores.	Unlikely. No suitable habitat.
<i>Amytornis textilis myall</i> (Western Grasswren)	V	VU	3	2019	Saltbush, cane grass	Possible.
<i>Ardea intermedia plumifera</i> (plumed Egret)	R		3	2001	Shallows of wetlands, intertidal mud flats.	Unlikely. No suitable habitat.
<i>Biziura lobata menziesi</i> (Musk Duck)	R		3	2018	Permanent swamps with dense vegetation, large open lakes, tidal inlets and bays.	Unlikely. No suitable habitat.
<i>Cladorhynchus leucocephalus</i> (Banded Stilt)	V		3	2018	Fresh and saltwater marshes, marine mudflats. Large temporary lakes as salinity increases.	Unlikely. No suitable habitat.
<i>Egretta garzetta nigripes</i> (Little Egret)	R		3	2018	Wetlands, intertidal mudflats.	Unlikely. No suitable habitat.
<i>Haematopus fuliginosus fuliginosus</i> (Sooty Oystercatcher)	R		3	2018	Rocky coastline, estuaries.	Unlikely. No suitable habitat.



<i>Haemotopus longirostris</i> (Pied Oystercatcher)	R		3	2018	Sandy beaches, estuaries.	Unlikely. No suitable habitat.
<i>Leipoa ocellata</i> (Malleefowl)	V	VU	3	1999	Dry inland scrub, mallee.	Unlikely. No suitable habitat.
<i>Limosa limosa melanuroides</i> (Black-tailed Godwit)	R		3	2018	Tidal flats, often inland.	Unlikely. No suitable habitat.
<i>Numenius madagascariensis</i> (Far Eastern Curlew)	E	CR	3	2000	Coastal estuaries, mud flats, mangroves, sandspits.	Unlikely. No suitable habitat.
<i>Plegadis falcinellus</i> (Glossy Ibis)	R		3	2017	Freshwater wetlands, pasture.	Unlikely. No suitable habitat.
<i>Stictonetta naevosa</i> (Freckled Duck)	V		3	2017	Permanent freshwater swamps, fresh or salty open permanent lakes.	Unlikely. No suitable habitat.
<i>Tringa glareola</i> (Wood Sandpiper)	R		3	2018	Shorebird of shallow, freshwater wetlands.	Unlikely. No suitable habitat.
<i>Zapornia tabuensis</i> (Spotless Crane)	R		3	1999	Well-vegetated freshwater wetlands, muddy areas.	Unlikely. No suitable habitat.
Source; 1- BDBSA, 2 - AoLA, 3 – NatureMaps 4 – Observed/recorded in the field, 5 - Protected matters search tool, 6 – others NP&W Act; E= Endangered, V = Vulnerable, R= Rare EPBC Act; Ex = Extinct, CR = Critically endangered, EN = Endangered; VU = Vulnerable						

Criteria for the likelihood of occurrence of species within the Study area.

Likelihood	Criteria
Highly Likely/Known	Recorded in the last 10 years, the species does not have highly specific niche requirements, the habitat is present 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 habitat or feeding resources for the species.
Possible	Recorded within the previous 20 years, the area falls inside the known distribution of the species, but the area provide limited habitat or feeding resources for the species. Recorded within 20 -40 years, survey effort is considered adequate, habitat and feeding resources present, and species of similar habitat needs have been recorded in the area.
Unlikely	Recorded within the previous 20 years, but the area provide no habitat or feeding resources for the species, including perching, roosting or nesting opportunities, corridor for movement or shelter. 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 despite adequate survey effort.

## 4.3 Cumulative impact

### Direct impact

The area under application will be cleared to facilitate the development of the proposed residential subdivision of thirteen house blocks, and road reserve.

### Indirect impact

Measures to minimize indirect impacts will include:

- Dust suppression during clearing activities,
- Accessing the site only from Walter Court or new access point on the eastern boundary,
- Stockpiling vegetative debris on site before removal,
- Maintaining existing hydrology,
- Staging necessary clearing activities from within the site,
- Storing, servicing and fueling of machinery within the site.

## 4.4 Address the Mitigation Hierarchy

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

The location, design, size or scale of the clearance cannot be adjusted in order to reduce the scale of the impact. The areas under application will be cleared to facilitate the development of the proposed residential subdivision of thirteen house blocks, with associated services and infrastructure.

### **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 proposed development of the site and supporting infrastructure requires the removal of all vegetation within the application area. Due to the nature of the development, impacts on the vegetation cannot be minimised.

Extent, duration and intensity of the impacts to the site will be minimized by the following:

- Access to the proposed clearance site will be from Broadbent Terrace and Nelson St,
- Cleared vegetation will be stored on-site before removal, minimizing impacts to surrounding vegetation,
- All clearance activities necessary will be staged from within the application area,
- Servicing, refueling and inspection for machinery contaminant leaks will be carried out on the block

### **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.**

Vegetation clearance will be permanent. No rehabilitation or restoration is proposed.

### **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 applicants propose to achieve the SEB by paying \$4506.15 (SEB payment plus administration fee) into the Native Vegetation Fund.

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

Principle of clearance	Considerations
<b>Principle 1a - it comprises a high level of diversity of plant species</b>	<u>Relevant information</u> Thirty-three plant species were recorded, twenty native and thirteen introduced. Bushland Plant Diversity Score – 28.0
	<u>Assessment against the principles</u> <b>Seriously at Variance</b> Low open woodland/open shrubland, <i>Atriplex/Tecticornia</i> chenopod shrubs with emergent <i>Myoporum acuminatum</i>
	<u>Moderating factors that may be considered by the NVC</u> A small area of vegetation will be cleared in a region where the amount of remaining native vegetation is high: <ul style="list-style-type: none"> <li>• % native vegetation remaining in IBRA Association is 95%</li> <li>• % native vegetation remaining in IBRA Subregion is 97%</li> </ul>
<b>Principle 1b - significance as a habitat for wildlife</b>	<u>Relevant information</u> Fifteen threatened fauna species were noted in the threatened species search to be present within a 5 km radius of the site. One, <i>Amytornis textilis myall</i> (Western Grasswren), was considered as a possible user of the vegetation as habitat. None were recorded Threatened Fauna Score – 0.08 Unit biodiversity Score – 48.80
	<u>Assessment against the principles</u> <b>Seriously at Variance</b> Low open woodland/open shrubland, <i>Atriplex/Tecticornia</i> chenopod shrubs with emergent <i>Myoporum acuminatum</i>
	<u>Moderating factors that may be considered by the NVC</u> Only a very small area of vegetation will be impacted and the proposed clearance is not likely to have a significant impact on the threatened species which may use the vegetation, as: <ul style="list-style-type: none"> <li>• A small area of vegetation will be cleared in a region where the amount of remaining native vegetation is high,</li> <li>• Clearance will not lead to a long-term decrease in the population size,</li> <li>• The reduction of the local area of occupancy will be minimal,</li> <li>• Existing populations will not be fragmented,</li> <li>• It will not result in the establishment of invasive species which could be harmful to threatened species.</li> </ul> Availability and/or quality of habitat will not be modified, destroyed, removed, or isolated to the extent that any species are likely to decline.
<b>Principle 1c - plants of a rare, vulnerable or endangered species</b>	<u>Relevant information</u> Four species were noted in the threatened species search to be present within a 5km radius of the site. Two had been recorded prior to 1995 so were not considered in the threatened species assessment. No threatened species were observed during the field survey. Threatened Flora Score - 0
	<u>Assessment against the principles</u> <b>Not at Variance</b> Low open woodland/open shrubland, <i>Atriplex/Tecticornia</i> chenopod shrubs with emergent <i>Myoporum acuminatum</i>
	<u>Moderating factors that may be considered by the NVC</u>



<b>Principle 1d - the vegetation comprises the whole or part of a plant community that is Rare, Vulnerable or endangered:</b>	<u>Relevant information</u> No communities under the EPBC Act or threatened ecosystems under the DEW Provisional list of threatened ecosystems present. Threatened Community Score - 1
	<u>Assessment against the principles</u> <b>Not at Variance</b> Low open woodland/open shrubland, <i>Atriplex/Tecticornia</i> chenopod shrubs with emergent <i>Myoporum acuminatum</i>
	<u>Moderating factors that may be considered by the NVC</u>
<b>Principle 1e - it is significant as a remnant of vegetation in an area which has been extensively cleared.</b>	<u>Relevant information</u> Remnancy figures for Whyalla IBRA Association: 95% Remnancy figures for Myall Plains IBRA Subregion: 97% Total Biodiversity Score – 3.36
	<u>Assessment against the principles</u> <b>At Variance</b>
	<u>Moderating factors that may be considered by the NVC</u>
<b>Principle 1f - it is growing in, or in association with, a wetland environment.</b>	<u>Relevant information</u> Not applicable
	<u>Assessment against the principles</u> Not applicable
	<u>Moderating factors that may be considered by the NVC</u>
<b>Principle 1g - it contributes significantly to the amenity of the area in which it is growing or is situated.</b>	<u>Relevant information</u> Not applicable
	Not applicable
	<u>Moderating factors that may be considered by the NVC</u>

## 4.6 Risk Assessment

**Determine the level of risk associated with the application**

<b>Total clearance</b>	No. of trees	
	Area (ha)	0.93 ha
	Total biodiversity Score	46.23
<b>Seriously at variance with principle 1(b), 1(c) or 1 (d)</b>		1(b)
<b>Risk assessment outcome</b>		Level 4

## 5. Clearance summary

**Table 3. Clearance Area Summary table**

Block	Site	Species diversity score	Threatened Ecological community Score	Threatened plant score	Threatened fauna score	UBS	Area (ha)	Total Biodiversity score	Loss factor	Loadings	Reductions	SEB Points required	SEB payment	Admin Fee
A	A1	28	1	0	0.08	48.80	0.93	45.39	1			47.66	\$4193.57	\$230.65
<b>Total</b>							<b>0.93</b>	<b>45.39</b>				<b>47.66</b>	<b>\$4193.57</b>	<b>\$230.65</b>

**Table 4. Totals summary table**

	Total Biodiversity score	Total SEB points required	SEB Payment	Admin Fee	Total Payment
<b>Application</b>	46.23	48.54	\$4193.57	\$230.65	\$4424.22

<b>Economies of Scale Factor</b>	<b>0.11</b>
<b>Rainfall (mm)</b>	<b>268</b>

## 6. Significant Environmental Benefit

### 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 [application form](#) needs to be submitted with this Data Report.
- ☐ Apply to have an SEB to be delivered by a Third Party. The [application form](#) needs to be submitted with this Data Report.
- ☒ Pay into the Native Vegetation Fund.

### PAYMENT SEB

The applicant proposes to achieve the SEB by paying \$4424.22 (SEB payment plus administration fee) into the Native Vegetation Fund.



# 7. Appendices

## Appendix 7.1 Flora species recorded during the field survey.

**Note:** Asterisk (\*) denotes introduced species; Hash (#) denotes native species not endemic to the study area.

Family	Species	Common name
<i>Aizoaceae</i>	* <i>Aizoon pubescens</i>	
	<i>Disphyma crassifolium ssp. clavellatum</i>	Round-leaf Pigface
	<i>Sarcozona praecox</i>	Sarcozona
<i>Anacardiaceae</i>	* <i>Schinus molle</i>	Peppercorn Tree
<i>Amaranthaceae</i>	<i>Atriplex vesicaria</i>	Bladder saltbush
	<i>Enchylaena tomentosa var. tomentosa</i>	Ruby Saltbush
	<i>Maireana brevifolia</i>	Short-leaf Bluebush
	<i>Maireana sedifolia</i>	Bluebush
	<i>Rhagodia preissii ssp. preissii</i>	Mallee Saltbush
	* <i>Suaeda aegyptiaca</i>	
	<i>Tecticornia indica ssp.</i>	Brown-head Samphire
	<i>Threlkeldia diffusa</i>	Coast Bonefruit
<i>Asphodelaceae</i>	* <i>Asphodelus fistulosus</i>	Onion Weed
<i>Asteraceae</i>	* <i>Gazania linearis</i>	Gazania
	* <i>Osteospermum sp.</i>	African Daisy
	<i>Senecio glossanthus</i>	Annual Groundsel
	<i>Vittadinia gracilis</i>	Woolly New Holland Daisy
<i>Crassulaceae</i>	* <i>Bryophyllum delagoense</i>	Mother of Millions
<i>Frankeniaceae</i>	<i>Frankenia serpyllifolia</i>	Thyme Sea-heath
<i>Mimosaceae</i>	<i>Acacia cyclops</i>	Cyclops Wattle
<i>Myrtaceae</i>	<i>Eucalyptus calycogona ssp.</i>	Square-fruit Mallee
	<i>Eucalyptus flindersii</i>	Flinders Grey Mallee
	# <i>Eucalyptus platypus ssp platypus</i>	Platypus Gum
<i>Nitrariaceae</i>	<i>Nitraria billardiarei</i>	Nitre-bush
<i>Plantaginaceae</i>	* <i>Plantago lanceolata var.</i>	Ribwort
<i>Poaceae</i>	<i>Austrostipa sp.</i>	Speargrass
	* <i>Avena barbata</i>	Bearded Oat
	* <i>Cynodon sp.</i>	Couch
	<i>Enneapogon avenaceus</i>	Common Bottle-washers
	* <i>Lagarus ovatus</i>	Hare's Tail Grass
<i>Santalaceae</i>	<i>Santalum acuminatum</i>	Quandong

<i>Scrophulariaceae</i>	<i>Myoporum platycarpum</i>	False Sandalwood
<i>Tamaricaceae</i>	* <i>Tamarix</i> sp.	Tamarix

**Appendix 7.2 Bushland Vegetation Assessment Scoresheet associated with the proposed clearance (also submitted in Excel format)**

Bushland Assessment Scoresheets				(Version - 28 July 2023)	
<b>Block</b>	A	<b>ASSESSOR(S)</b>	P Landless		
<b>Size of Block (Ha)</b>	0.930	<b>DATE OF ASSESSMENT</b>	3.8.2024		
<b>Landscapes Region</b>	Eyre Peninsula				
<b>BCM Region</b>	Eyre Peninsula				
<b>IBRA Association</b>	Whyalla				
<b>IBRA Subregion</b>	Myall Plains				
<b>Map of the Block (Including the Sites)</b>					
<b>Landscape Context Scores</b>					
<b>Percent Vegetation Cover (5km radius) (%)</b>		<b>% native veg. remaining in IBRA Assoc.</b>		95	
0-5% = 0 pts; >5-10% = 0.02 pts; >10-25% = 0.04 pts;		<b>% native veg. remaining in IBRA subregion</b>		97	
>25-50% = 0.06 pts; >50-75% = 0.03 pt; >75-100% = 0 pts		0 - 10% = 0.05 pts; >10-20% = 0.04 pts; >20-30% = 0.03 pts;			
<b>Score</b>		>30-60% = 0.02 pts; > 60 = 0 pts		<b>Score</b>	
0.06				0	
Score received for both IBRA assoc. and subregion then summed					
		<b>% native veg. protected IBRA Assoc.</b>		3	
		0-10% = 0.03 pts; >10-20% = 0.02 pts; >20-40% = 0.01 pt;			
		>40% = 0		<b>Score</b>	
				0.03	
<b>Block Shape Cleared perimeter:Area (km/km2)</b>		<b>Wetland or Riparian Habitat present</b>			
<b>Cleared Perimeter (m) =</b>		<b>Riparian zone present (Yes/No) = 0.02 pt</b>		No	
<b>Cleared Perimeter to area ratio</b>		<b>Swamp/wetland present (Yes/No) = 0.03 pts</b>		No	
<6 = 0.03 pts; 6 to <12 = 0.02 pts; 12 to <18 = 0.01 pt		(Swamp/wetland may be +/- riparian zone)			
<b>Score</b>				<b>Score</b>	
0				0	
Note: Blocks will score a minimum Landscape Context Score of 1					
<b>LANDSCAPE CONTEXT SCORE (max 1.25)</b>				1.09	





[illegible]



## Vegetation Condition Scores

SITE:	A1
BCM COMMUNITY	EP 9.1 Open Mallee & Low Open Woodlands with a Chenopod Shrub Understorey
VEGETATION ASSOCIATION DESCRIPTION	<i>Atriplex/Tecticornia</i> open shrubland with emergent <i>Myoporum platycarp</i>
SIZE OF SITE (Ha)	0.93

Benchmarked attributes (Scores determined by comparing to a Benchmark community)				Native Plant Life Forms	Cover rating
Number of Native Species (Minus herbaceous annuals for spring Surveys)				Trees > 15m	
				Trees 5 - 15 m	
Native Plant Species Diversity Score (max 30) from benchmark score weighted by a factor of 2				Trees < 5m	2
				Mallee > 5m	
				Mallee < 5m	
Number of regenerating native species				Shrubs > 2m	1
Regeneration Score (max 12) from benchmark community weighted by a factor of 1.5				Shrubs 0.5 - 2m	3
				Shrubs < 0.5	3
				Forbs	1
Weed species (Top 5 Cover x Invasiveness)				Mat Plants	2
				Grasses > 0.2m	1
				Grasses < 0.2m	
				Sedges > 1m	
				Sedges < 1m	
				Hummock grasses	
				Vines, scramblers	
				Mistletoe	
				Ferns	
				Grass-tree	
				Total	13
Weed Score (max 15) from benchmark community					16.0
Native Plant Life Forms (max 20) from benchmark score weighted by a factor of 2					

Non-Benchmarked Attributes (Scores determined from direct field observations)		Is the community naturally treeless?	
Native:exotic Understorey biomass Score (max 5)		Fallen Timber/Debris (max 5)	0.5
		Hollow-bearing trees Score (max 5)	0
		Mature Tree Score (max 8)	2
		Tree Canopy Cover Score (max 5)	2

### Vegetation Condition Score calculation

Positive Vegetation Attributes Score = Native species diversity + Regeneration + Native Plant Life Forms

Fallen timber/debris + Hollow-bearing trees

- If the community Score is Not Benchmarked (SNB) for regeneration this score is multiplied 1.24

- If the community is naturally treeless this score is multiplied by 1.20

Negative Vegetation Attributes Score = (15 - Weeds) + ((10 - Biomass score - Tree Canopy Cover Score)exp2/2)

VEGETATION CONDITION SCORE (Positive veg attributes x ((80 - Negative vegetation attributes) / 80))



## Conservation Significance Score

Is the vegetation association considered a Threatened Ecological community or Ecosystem?	Yes/No
State (Provisional List of Threatened Ecosystems of SA) Rare community (0.1 pt)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) Vulnerable community (0.2 pts)	<input type="checkbox"/>
State (Provisional List of Threatened Ecosystems of SA) Endangered community (0.3 pts)	<input type="checkbox"/>
Nationally (EPBC Act) Vulnerable community (0.35 pts)	<input type="checkbox"/>
Nationally (EPBC Act) Endangered or Critically Endangered community (0.4 pts)	<input type="checkbox"/>
Note: all sites will score a minimum Conservation Significance Score of 1	Threatened Community Score
	1
Number of Threatened Flora Species recorded for the site (within the site)	Number
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.	
State Rare species recorded (1 pt each)	0
State Vulnerable species recorded (2.5 pt each)	0
State Endangered recorded (5 pts each)	0
Nationally Vulnerable species recorded (10 pts each)	0
Nationally Endangered or Critically endangered species recorded (20 pts each)	0
0 = 0 pts; <2 = 0.04 pts; 2 - <5 = 0.08 pts; 5 - <10 = 0.12 pts; 10 - <20 = 0.16 pts; 20 or > = 0.2 pts	Threatened Flora Score
	0
Potential habitat for Threatened Fauna Species (number observed or previously recorded)	Number
*If a species has both a State (NP&W Act) and National (EPBC Act) rating, it's only recorded for its National rating.	
State Rare species observed or locally recorded (1 pt each)	0
State Vulnerable species observed or locally recorded (2.5 pt each)	0
State Endangered species observed or locally recorded (5 pt each)	0
Nationally Vulnerable species observed or locally recorded (10 pts each)	1
Nationally Endangered or Critically endangered species observed or locally recorded (20 pts each)	0
0 = 0 pts; <2 = 0.02 pts; 2 - <5 = 0.04 pts; 5 - <10 = 0.06 pts; 10 - <20 = 0.08pts; 20 or > = 0.1 pts	Threatened Fauna Score
	0.08
<b>CONSERVATION SIGNIFICANCE SCORE</b>	
	<b>1.08</b>

## Total Scores for the Site

	Score	Vegetation Condition x Landscape Context x Conservation Significance =	
LANDSCAPE CONTEXT SCORE	1.09	<b>UNIT BIODIVERSITY SCORE</b>	48.80
VEGETATION CONDITION SCORE	41.46	<b>Total Biodiversity Score</b>	
CONSERVATION SIGNIFICANCE SCORE	1.08	(Biodiversity Score x hectares)	45.39

## Photo Point and Vegetation Survey Location

	Direction of the Photo	South 190 degrees
	GPS Reference	
	Datum	WGS84
	Zone (52, 53 or 54)	53
	Easting (8 digits)	739588
	Northing (7 digits)	6341264
Description		

What is the purpose of Assessment?

Clearance

SEB Area

Other

## Assessment for Clearance

Loss Factor	1.0	Approximate hectares required	5.98
Loadings for clearance of protected areas		Economies of Scale Factor	0.11
Reductions for rehabilitation of impact site		Mean Annual rainfall for the site (mm)	268
SEB Points required	47.66	Payment into the fund (GST Exclusive)	\$4,193.57
		Administration fee (GST Inclusive)	\$230.65





31/01/2024

**Request for Documentation**

**Applicant:**

Application ID: 23037475

Consent: Planning and Land Division Consent

Proposed Development: Land Division 1 - 13, Reserve and Public Road

**Subject Land:**

LOT 1 NEWTON ST WHYALLA SA 5600

Title ref.: CT 5489/772 Plan Parcel: F10062 AL1 Council: THE CORPORATION OF THE CITY OF WHYALLA

Dear Mr

The Authority requires mandatory documentation in order to lodge your application. This includes:

**Further road detail**

- It is noted that the proposed road reserve has been included, however please additionally provide the measurements and location of the carriageway within the road reserve.

**Native Vegetation**

- As the development occurs within the Native Vegetation Overlay as specified in the Planning and Design Code, one of the following is required —
  - (i) if native vegetation is proposed to be cleared—a report prepared in accordance with regulation 18(2)(a) of the Native Vegetation Regulations 2017 that establishes that the clearance is categorised as Level 1, 2, 3 or 4 clearance in accordance with guidelines established by the Native Vegetation Council for the purposes of applications to clear native vegetation under the Native Vegetation Act 1991; or
  - (ii) in any other case—a declaration stating that the proposal will not involve clearance of native vegetation under the Native Vegetation Act 1991.

A desktop review of the allotment appears to indicate the presence of native vegetation. It is therefore anticipated that a report prepared in accordance with regulation 18(2)a of the Native Vegetation Regulations 2017. The report should consider the clearance required for road reserve and proposed residential allotments.

Please provide this information in a timely manner to expedite the verification of your application lodgement.  
If you have any difficulties in providing this information to us, or have any other questions regarding your application, please use the contact details below.

Yours sincerely,

City of Whyalla

Planning, Development and Infrastructure Act 2016 & Planning, Development and Infrastructure (General) Regulations 2017	Section 119(1)(c) and Regulation 31(1)(d)
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## Appendix 7.4 Photolog



**Position:** 53S 739523E 6341270N **Direction of photo:** SE 120°



**Position:** 53S 739556E 6341254N **Direction of photo:** W 270°





**Position:** 53S 739568E 6341264N **Direction of photo:** S 190°



**Position:** 53S 739555E 6341221N **Direction of photo:** SW 240°





**Position:** 53S 739544E 6341183N **Direction of photo:** N 350°



**Position:** 53S 739540E 6341167N **Direction of photo:** N 350°





**Position:** 53S 739515E 6341170N **Direction of photo:** E 85°



**Position:** 53S 739511E 6341171N **Direction of photo:** NE 45°