APPLICATION FOR NEW CLEARING PERMIT

NV-F01- Area Permit for the purposes of Road Upgrades

2025-2027

Shire of
Donnybrook Balingup

Supporting information for a New Application to the Department of Water and Environmental Regulation.

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Introduction

The Shire of Donnybrook Balingup has identified roads within the Shire that require upgrades and restructuring to improve or maintain road safety. These roads are scheduled for works to be undertaken between 2025 and 2027 financial years, and Southampton Road upgrade requires the removal of Maps of the proposed areas have been provided, and shapefiles will be provided of the Straight-Line Kilometers (SLKs) and Canopy areas of the potential vegetation to be cleared.

Road Upgrades where clearing is necessary: (APPLICATION PART 3.1 & PART 5)

2024-2026:

ROAD NAME	SLK START	SLK FINISH	SLK DISTANCE (M)	PROJECT AREA (HA)	ZONING	WORKS SCHEDULED
Southampton Road (Number 0146)	9.14	11.30	2160	.432	Road Reserve	Reconstruct and seal to 6.2m & 2nd coat reseal

Desktop Assessment; a consideration of Environmental Impacts of Vegetation Clearing:

Clearing Type: Mechanical

Avoidance and Mitigation

The Shire of Donnybrook Balingup considers Environmental impacts during the design development phase by:

- Carrying out a desktop assessment of the Environmental Values of both the Project Area and a 10km buffer, in line with "A Guide to the assessment of applications to clear native vegetation under Part V Division 2 of the Environmental Protection Act". (Department of Water and Environment Regulation, 2014)
- Carrying out a site visit to investigate the health, structure, and specie of the vegetation to be cleared, as well as any potential Aboriginal Heritage impacts.

- Reducing clearing footprints where possible to avoid the clearing of native vegetation, through altering plans relating to the road width, centerline direction, slope, curbing, shoulder width and or batter slope, drainage methods, and materials.
- Engaging in Educational programs to increase understanding of environmental values held within the Shire of Donnybrook Balingup.

Preliminary Desktop Assessment Information

CLEARING PERMIT APPLICATION: New

APPLICANT: Shire of Donnybrook Balingup

PROPERTY: Southampton Road, Southampton Western Australia

LGA: Shire of Donnybrook Balingup

PROPOSED CLEARING:

- *Purpose*: Road Upgrade Projects, road widening and/or sealing to increase road safety
- *Proposed dates of clearing:* 1 straight line kilometer per year in the months of January through to March depending on weather and plant availability.
- *Land Tenure*: Local Government- Shire of Donnybrook Balingup
- *Buffer Distance*: 20 km

Notes

- This desktop assessment is to investigate potential environmental impacts in relation to a proposed clearing activity for the purpose of a road upgrade for the Shire of Donnybrook Balingup
- This report is a desktop study and does not replace a site assessment; information generated in this report is correct to the best of Shire of Donnybrook Balingup's knowledge (the Shire).
- Datasets used to obtain this information were downloaded from data.wa.gov.au in the months between November 2023 and February 2024 and further analysed using QGIS software.

- Further information about the clearing principles is available from the Department of Water and Environment Regulation (DWER) "A guide to the assessment of applications to clear native vegetation".
- Distance and area calculations are performed using the following map projection: GDA20 unless indicated otherwise.

Background details of project areas

SITE DETAILS:	
TOTAL PROJECT AREA:	1.728 Hectares
NATIVE TREES TO BE REMOVED:	8
EXPECTED CANOPY LOSS:	.24 Ha
GPS CO-ORDINATES:	-33.866905, 115.989192 -33.989192, 115.981283
LOCAL GOVERNMENT AUTHORITY:	DONNYBROOK-BALINGUP, SHIRE OF
DER REGION:	SOUTHWEST
DBCA DISTRICT:	BLACKWOOD
LCDC:	DONNYBROOK -BALLINGUP
ILUA:	SOUTHWEST BOOJARAH
ABORIGINAL CULTURAL HERITAGE AREA DESKTOP INQUIRY:	None found in project area. Nearest ID <1km (ID 20434- Blackwood River)
ABORIGINAL CULTURAL HERITAGE SURVEY INQUIRY:	The following Survey Report ID's intersect the project area: 102073; 102074; 104000; 10479; 10468. No reports indicated the project area will impact Aboriginal Cultural Heritage, however confirmation sought from SWALSC. No response was received.

ENVIRONMENTAL INFORMATION:

ENVIRONMENTALLY SENSITIVE AREA:	No
EPA RED BOOK AREA:	No
HYDROLOGICAL ZONE:	Western Darling Range
COUNTRY AREAS WATER SUPPLY ACT 1947 - CLEARING CONTROL CATCHMENT:	No
RIGHTS IN WATER AND IRRIGATION ACT 1914 SURFACE WATER AREA:	None
RIGHTS IN WATER AND IRRIGATION ACT 1914 GROUNDWATER AREA:	None
PROXIMITY TO NEAREST RIWI ACT RIVER:	>10km
VEGETATION ASSOCIATION:	3 : Medium forest; jarrah-marri. Description: Mainly jarrah and marri Eucalyptus marginata, Corymbia calophylla. Percent Remaining in Shire: 66% (61,614 Ha remaining)
VEGETATION COMPLEXES:	Southampton SP (60.48% Remaining Statewide) Bridgetown BT (22.6% Remaining Statewide)

SOIL PARAMETERS

SOIL ASSOCIATIONS

Site 1 and 2: Land Use Zone 255- Western Darling Range.

Description: Moderately dissected lateritic plateau on granite with deeply incised valleys, includes the Darling Scarp on the western margin. Soils are formed in laterite, lateritic colluvium and weathered in-situ granite and gneiss.

SOIL SYSTEMS

Site 1 and 2: Lowden Valley System.

Description: Deep gneissic valleys, in the south of the Western Darling Range. Loamy earth, loamy duplex, gravel and stony soils. Jarrah-marri forest.

SOIL TRANSPORT RISK

Salinity, Acidity and Phosphorus transport Risk across the project areas and buffer: **L1**

VEGETATION COMPLEXES

VEGETATION COMPLEXES WITHIN 20KM OF CLEARING

Subregion of the South-West Forests	Broad landform	Combined Vegetation Complex and Code	Pre-European Extent (ha)	Current Extent (ha)	% Remaining
Darling Plateau	Valleys	Balingup, BL	42,835.34	13,095.69	30.57
Darling Plateau	Valleys	Balingup, BLf	2,125.51	168.18	7.91
Darling Plateau	Uplands	Bevan 1, BE1	777.66	642.07	82.56
Blackwood Plateau and Plain	Valleys	Bidella, BD	2,655.46	1,992.28	75.03
Darling Plateau	Valleys	Boonarie, BO	2,631.67	2,530.67	96.16
Darling Plateau	Valleys	Bridgetown, BT	7,110.08	1,611.43	22.66
Darling Plateau	Valleys	Bridgetown, BTf	737.89	116.64	15.81
Darling Plateau	Valleys	Catterick, CC1	13,877.67	11,270.50	81.21

Subregion of the South-West Forests	Broad landform	Combined Vegetation Complex and Code	Pre-European Extent (ha)	Current Extent (ha)	% Remaining
Darling Plateau	Uplands	Darling Scarp, DS1	1,132.98	160.53	14.17
Darling Plateau	Uplands	Dwellingup, D1	10,601.82	9,856.25	92.97
Darling Plateau	Depressions and Swamps on Uplands	Goonaping, G	581.11	508.40	87.49
Darling Plateau	Valleys	Grimwade, GR	14,113.23	8,196.67	58.08
Darling Plateau	Uplands	Hester, HR	17,663.17	13,748.61	77.84
Blackwood Plateau and Plain	Uplands	Kingia, KI	5,223.39	4,486.44	85.89
Darling Plateau	Depressions and Swamps on Uplands	Kirup, KR	3,423.99	2,031.73	59.34
Darling Plateau	Valley Floors and Swamps	Mumballup, ML	2,581.46	337.70	13.08
Darling Plateau	Valleys	Queenwood, QW	1,417.94	542.41	38.25
Darling Plateau	Valleys	Queenwood, QWf	726.30	128.89	17.75
Blackwood Plateau and Plain	Valleys	Rosa, RO	5,879.13	3,500.57	59.54
Darling Plateau	Valley Floors and Swamps	Southampton, SP	210.65	127.39	60.48
Darling Plateau	Depressions and Swamps on Uplands	Swamp, S	425.19	35.51	8.35
Blackwood Plateau and Plain	Uplands	Telerah, TL	321.90	241.02	74.87
Darling Plateau	Valleys	Wheatley, WH1	33.73	24.93	73.90
Darling Plateau	Uplands	Wilga, WG	8,704.14	7,526.66	86.47
Darling Plateau	Uplands	Wishart, WS2	879.44	540.03	61.41
Darling Plateau	Uplands	Wishart, WSv	260.33	88.68	34.06
Darling Plateau	Valleys	Yanmah, YN1	31.49	28.29	89.85
Blackwood Plateau and Plain	Valleys	Blackwood, BK	6,888.05	6,237.89	90.56
Darling Plateau	Depressions and Swamps on Uplands	Corbalup, CL1	4,756.16	3,572.78	75.12
Darling Plateau	Uplands	Mattaband 1, MT1	1,326.50	1,228.96	92.65
Blackwood Plateau and Plain	Valleys	Blackwood, BK	97.51	91.28	93.61

Subregion of the South-West Forests	Broad landform	Combined Vegetation Complex and Code	Pre-European Extent (ha)	Current Extent (ha)	% Remaining
Blackwood Plateau and Plain	Valley Floors and Swamps	Darradup, DP	1.39	1.39	100.00
Darling Plateau	Depressions and Swamps on Uplands	Corbalup, CL1	9,181.99	5,854.72	63.76
Darling Plateau	Uplands	Crowea, CRb	49,812.30	42,532.54	85.39
Blackwood Plateau and Plain	Valley Floors and Swamps	Darradup, DP	3.09	2.01	65.15
Darling Plateau	Valleys	Lefroy, LF	12,778.59	10,333.12	80.86
Darling Plateau	Uplands	Mattaband 1, MT1	1,010.87	816.01	80.72
Blackwood Plateau and Plain	Valleys	Blackwood, BK	14,376.08	13,472.06	93.71
Darling Plateau	Depressions and Swamps on Uplands	Corbalup, CL1	1,240.94	1,186.48	95.61
Darling Plateau	Uplands	Crowea, CRb	2,940.95	2,892.54	98.35
Blackwood Plateau and Plain	Valley Floors and Swamps	Darradup, DP	4,083.92	2,836.11	69.45
Darling Plateau	Uplands	Gale, GA	1,122.40	801.47	71.41
Darling Plateau	Valleys	Lefroy, LF	7,346.93	6,127.14	83.40
Darling Plateau	Uplands	Mattaband 1, MT1	859.10	850.36	98.98

Assessment of Clearing Principles against proposed works

The principles for clearing native vegetation under the Environmental Protection Act 1986 (Schedule 5) states that –

Native Vegetation should not be cleared if -

a) It comprises a high level of biological diversity
b) It comprises the whole or part of, or is necessary for the maintenance of, a significant habitat for fauna indigenous to Western Australia
c) It includes, or is necessary for the continued existence of, rare flora
d) It comprises the whole or a part of, or is necessary for the maintenance of a threatened ecological community
e) It is significant as a remnant of native vegetation in an area that has been extensively cleared
f) It is growing in, or in associated with an environment associated with a watercourse or wetland
g) The clearing of the vegetation is likely to cause appreciable land degradation
h) The clearing of the vegetation is likely to have an impact on the environmental values of any adjacent or nearby conservation area
i) The clearing of the vegetation is likely to cause deterioration in the quality of surface or underground water
j) The clearing of the vegetation is likely to cause or exacerbate, the incidence or intensity of Flooding

Avoid, minimise, and reduce impacts and extent of clearing

As part of the design process, the following design changes were made:

- Batters were reduced where possible; however, drainage and necessary widening of the road to allow for the increase in road users and safety concerns, requires the removal of 8 post mature native trees. Kerbing was considered; however, this is unsuitable for this area due to the high volume of surface water runoff during rainfall events.
- Lifting the surface of the road and redesigning it to avoid mature trees where possible
- Pruning of a stand of trees was deemed sufficient to avoid removing the native vegetation.
- Road design was realigned to reduce the number of native trees to be cleared from 28 to 8. The updated design allows for pruning of 10 trees as opposed to removal, and the retention of a further 10 mature Marris.
- Areas to be cleared will be investigated for presence of fauna use by qualified personnel immediately prior to clearing.

- The works will only be undertaken during dry conditions, minimising impact to the temporary water sources on site and reducing the spread of any potential dieback (dieback status is not known in this area)
- Shire machinery and staff will follow dieback and weed management procedures (arrive clean, leave clean).

Assessment of Clearing Impacts

To quantify the level of variance the road upgrade may pose to these clearing principles, the Shire of Donnybrook carried out a desktop assessment between November 2023 and January 2024, to investigate available data and identify the levels of environmental significance of this project. An overview of the results are as follows (Table 2).

TABLE 1 CLEARING PRINCIPLES-SUMMARY OF RESULTS

CLEARING PRINCIPLE	AT VARIANCE?	SHIRE COMMENTS
a) It comprises a high level of biological diversity	Unlikely to be at variance	Vegetation to be cleared is isolated roadside vegetation mainly contains mature trees and pastural grass/weed understory, or borders on pine plantations. There are no recorded significant biological diversity values in association with this vegetation
b) It comprises the whole or part of, or is necessary for the maintenance of, a significant habitat for fauna indigenous to Western Australia	Unlikely to be at variance	Vegetation to be cleared is contains trees species identified as potential foraging and roosting habitat for all 3 black cockatoo species found in the South West of Western Australia (approximately .24 hectares of canopy loss). No hollows were observed from the ground, however, vegetation will be inspected for use by fauna by qualified personnel prior to clearing.
c) It includes, or is necessary for the continued existence of, rare flora	Not at variance	No rare flora identified in the project area; 2 within the 20km Buffer.
d) It comprises the whole or a part of, or is necessary for the maintenance of a threatened ecological community	Not at variance	Project areas and their buffers do not contain TEC's or PEC's

e) It is significant as a remnant of native vegetation in an area that has been extensively cleared	Not at variance	The vegetation to be cleared consists mainly of isolated trees with little to no native understory. Nearest recognised Ecological linkage is 2km away.
f) It is growing in, or in associated with an environment associated with a watercourse or wetland	Not at Variance	No waterways will be impacted during the road works
g) The clearing of the vegetation is likely to cause appreciable land degradation	Not at variance	Clearing is small and constrained to within 1.5m of existing road surface. All outdoor workers abide by arrive clean/leave clean procedures to avoid contamination. Soils will not be subjected to any increases in erosion, salinity, or acidity. Dieback has not been identified in the project area or within the 20km buffer.
h) The clearing of the vegetation is likely to have an impact on the environmental values of any adjacent or nearby conservation area	Not at variance	No conservation areas within the Project Area
i) The clearing of the vegetation is likely to cause deterioration in the quality of surface or underground water	Not at variance	No water quality parameters will be impacted as part of this project.
j) The clearing of the vegetation is likely to cause or exacerbate, the incidence or intensity of Flooding	Not at variance	Minimal additional overflow, will be managed via subsoil drainage where possible

Detailed Analysis of Environmental Values

PRINCIPLE A

Vegetation Association:

Bridgetown_3

Medium forest; Jarrah-Marri

Description: Mainly jarrah and marri Eucalyptus marginata, Corymbia calophylla

Bridgetown Association- Pre European Extent:

Statewide: 700920.83ha

LGA Donnybrook Balingup: 93291ha

Percent Remaining in Shire: 66 % (61,614ha remaining)

Priority Fauna/Flora:

Flora:

No Threatened or Priority Flora was identified in the Project area.

Two Herbarium records were identified within the buffer

NAMEID	TAXON	CONSERVATION CODE	LATITUDE	LONGITUDE	DATE
5078	Thomasia dielsii	1	-33.8435	115.915403609999998	9/11/1998
35519	Thysanotus unicupensis	3	-33.7806	115.822222220000000	5/12/1991

Fauna:

One Priority fauna record was found within Site:

SCIENTIFIC/ COMMON NAME	WA LISTING & STATUS	COUNT	ACCURACY IN M	LONG ,	LAT
Isoodon Fusciventer/ Quenda, Southwestern Brown Bandicoot- dead	Priority P4	1	1000	115.96664,	-33.89594

Ecological Linkages:

Nearest linkage is 2km from the clearing activity.

Other Recognised Conservation Values:

Bush Forever Sites: None in LGA

Conservation Category Wetlands: None in LGA

PRINCIPLE B

Potential Fauna Habitat:

8 native trees are proposed to be cleared between 2025 and 2027, for the purpose of improving road safety.

The vegetation will be inspected by the Shire's Environmental Officer for use of native fauna prior to clearing. Should fauna be using the area, clearing will cease until the fauna are no longer using the site.

Further Information: Trees to be cleared

LOCATIONS AND IMPACTS:

Tree information has been tabled below.

ID	SPECIES	HOLLOWS	DEADORLIVE	CLEAR?	X COORDINATES	Y COORDINATES
9200	CORYMBIA CALOPHYLLA	0	LIVE	RETAIN	406506.4564	6252082.651
9255	CORYMBIA CALOPHYLLA	0	LIVE	CLEAR	406521.6163	6252029.43
9260	CORYMBIA CALOPHYLLA	0	LIVE	CLEAR	406522.3689	6252023.624
9270	CORYMBIA CALOPHYLLA	0	LIVE	CLEAR	406531.9379	6252009.647
9280	CORYMBIA CALOPHYLLA	0	LIVE	CLEAR	406534.4108	6251996.53
9300	CORYMBIA CALOPHYLLA	0	LIVE	CLEAR	406541.2919	6251985.993
9375	CORYMBIA CALOPHYLLA	0	LIVE	RETAIN	406560.4299	6251938.256
9380	CORYMBIA CALOPHYLLA	0	LIVE	CLEAR	406581.7182	6251920.838
9385	CORYMBIA CALOPHYLLA	0	LIVE	CLEAR	406585.0512	6251911.591
9415	CORYMBIA CALOPHYLLA	0	LIVE	CLEAR	406565.8057	6251906.538
9420	CORYMBIA CALOPHYLLA	0	LIVE	RETAIN	406595.1578	6251877.723
9425	INTRODUCED EUCALYPT- EXEMPT	0	DEAD	CLEAR	406575.6979	6251865.514
9440	INTRODUCED EUCALYPT- EXEMPT	0	LIVE	CLEAR	406588.691	6251844.525

ID	SPECIES	HOLLOWS	DEADORLIVE	CLEAR?	X COORDINATES	Y COORDINATES
9455	INTRODUCED EUCALYPT- EXEMPT	0	LIVE	CLEAR	406599.4353	6251820.288
9620	INTRODUCED EUCALYPT- EXEMPT	0	LIVE	CLEAR	406653.9062	6251683.111
9980	EUCALYPTUS RUDIS	0	LIVE	PRUNE	406656.6547	6251296.068
10320	EUCALYPTUS RUDIS	0	LIVE	PRUNE	406542.4657	6251002.974
10325	EUCALYPTUS RUDIS	0	LIVE	PRUNE	406558.9569	6251032.958
10490	EUCALYPTUS RUDIS	0	LIVE	PRUNE	406487.2451	6250870.045
10545	CORYMBIA CALOPHYLLA	0	LIVE	PRUNE	406461.7587	6250821.321
10600	CORYMBIA CALOPHYLLA	0	LIVE	PRUNE	406438.0057	6250785.619
10650	CORYMBIA CALOPHYLLA	0	LIVE	PRUNE	406407.0495	6250742.293
10690	CORYMBIA CALOPHYLLA	0	LIVE	PRUNE	406384.0307	6250704.723
10720	CORYMBIA CALOPHYLLA	0	LIVE	PRUNE	406361.2765	6250668.475
11100	CORYMBIA CALOPHYLLA	0	LIVE	RETAIN	406065.4062	6250426.579
11000	CORYMBIA CALOPHYLLA	0	LIVE	RETAIN	406126.7896	6250473.874
11260	CORYMBIA CALOPHYLLA	0	LIVE	RETAIN	405928.7489	6250345.154
11280	MARRI	0	LIVE	RETAIN	405902.6875	6250325.112
11370	MARRI	0	LIVE	RETAIN	405849.2417	6250303.68
11390	MARRI	0	LIVE	RETAIN	405838.9229	6250275.899
11420	MARRI	0	LIVE	RETAIN	405812.9937	6250253.939

Shire of Donnybrook Balingup

Southampton Road Upgrade

Area Permit Application

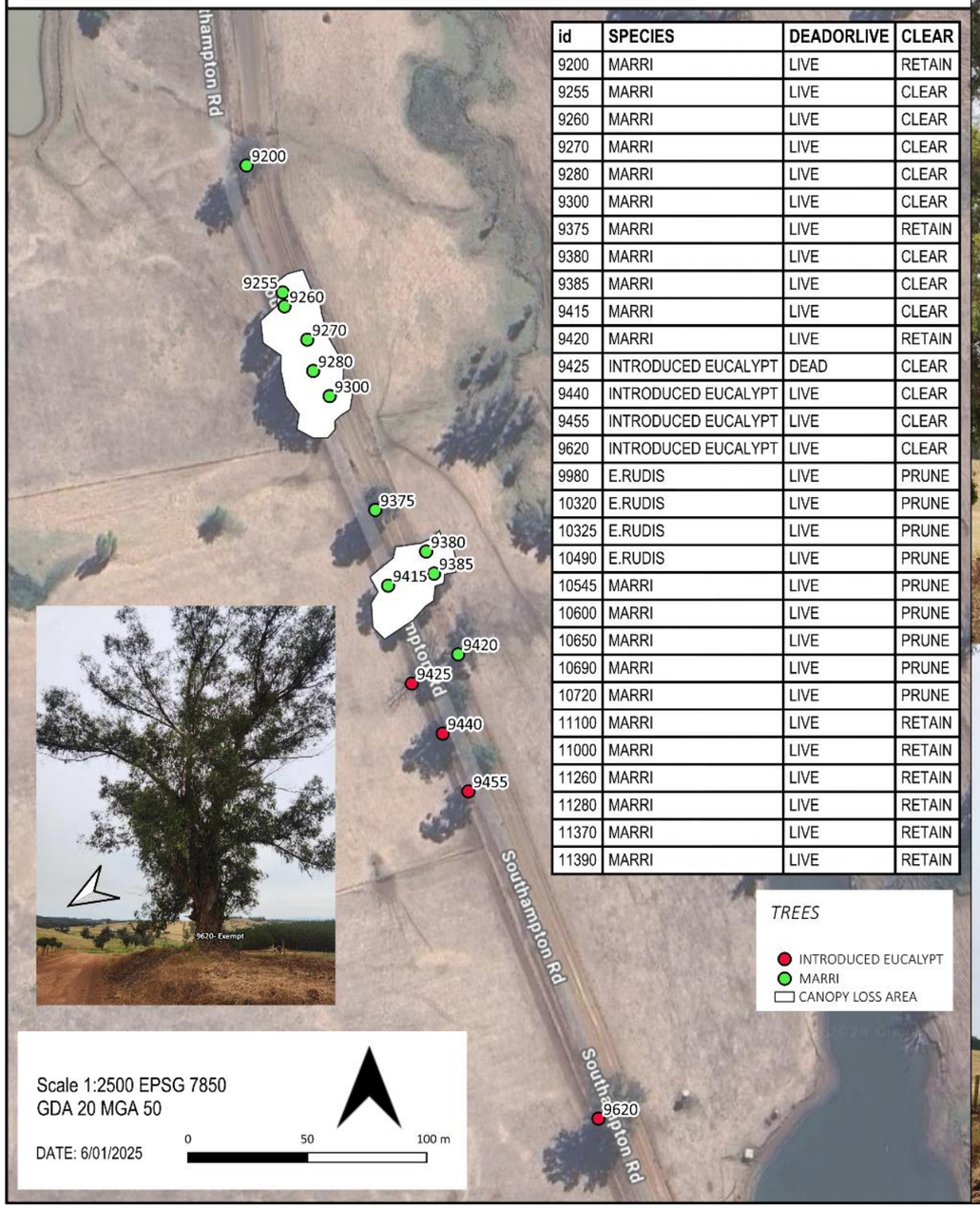
2025-2026

SITE PHOTOS: TREES TO BE CLEARED

North Arrows added to photos as a general guide; accuracy is not guaranteed.

Completed by Claire Palmer
Environmental Officer, Shire of Donnybrook Balingup

Shire of Donnybrook Balingup



id	SPECIES	DEADORLIVE	CLEAR
9200	MARRI	LIVE	RETAIN
9255	MARRI	LIVE	CLEAR
9260	MARRI	LIVE	CLEAR
9270	MARRI	LIVE	CLEAR
9280	MARRI	LIVE	CLEAR
9300	MARRI	LIVE	CLEAR
9375	MARRI	LIVE	RETAIN
9380	MARRI	LIVE	CLEAR
9385	MARRI	LIVE	CLEAR
9415	MARRI	LIVE	CLEAR
9420	MARRI	LIVE	RETAIN
9425	INTRODUCED EUCALYPT	DEAD	CLEAR
9440	INTRODUCED EUCALYPT	LIVE	CLEAR
9455	INTRODUCED EUCALYPT	LIVE	CLEAR
9620	INTRODUCED EUCALYPT	LIVE	CLEAR
9980	E.RUDIS	LIVE	PRUNE
10320	E.RUDIS	LIVE	PRUNE
10325	E.RUDIS	LIVE	PRUNE
10490	E.RUDIS	LIVE	PRUNE
10545	MARRI	LIVE	PRUNE
10600	MARRI	LIVE	PRUNE
10650	MARRI	LIVE	PRUNE
10690	MARRI	LIVE	PRUNE
10720	MARRI	LIVE	PRUNE
11100	MARRI	LIVE	RETAIN
11000	MARRI	LIVE	RETAIN
11260	MARRI	LIVE	RETAIN
11280	MARRI	LIVE	RETAIN
11370	MARRI	LIVE	RETAIN
11390	MARRI	LIVE	RETAIN

Figure 1: Tree locations and photos

References

DER.*A guide to the assessment of applications to Clear Native Vegetation*.2014.https://www.der.wa.gov.au/images/documents/your-environment/native-vegetation/Guidelines/Guide2_assessment_native_veg.pdf

Department of Biodiversity, Conservation and Attractions, 2020, *Phytophthora Dieback Management Manual*, Department of Biodiversity, Conservation and Attractions, Perth.

Datasets Accessed between November 2023 and January 2024

Dataset	Data Provider	Dataset	Data Provider
DWER 004	DWER	NRInfo for flood and soil data	DPIRD
Aboriginal Cultural Heritage Enquiry System	DPLH	2020 Vegetation Retention Status for Beard Associations and by IBRA Region	DPIRD, WALGA
LGATE-067	DPLH	DBCA 047	DBCA
DWER-046	DWER	DPLH-001	DPLH
DBCA-029	DBCA	DWER-034	DWER
Danju	DBCA	DPIRD-037	DPIRD
Redbook Reserves	DBCA	Bush Forever Sites	DBCA
DPIRD-006	DPIRD		

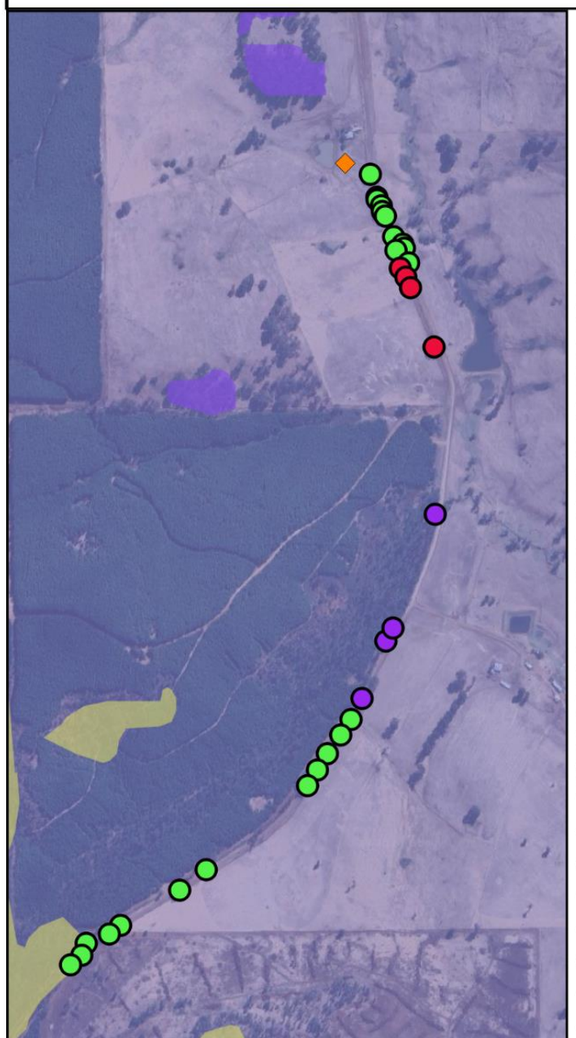
Appendix A: Aerial Imagery: Site plan

Shire of Donnybrook Balingup

Southampton Road Upgrade
Area Permit Application 2025-2026

Completed by Claire Palmer
Environmental Officer, Shire of Donnybrook Balingup

Shire of Donnybrook Balingup

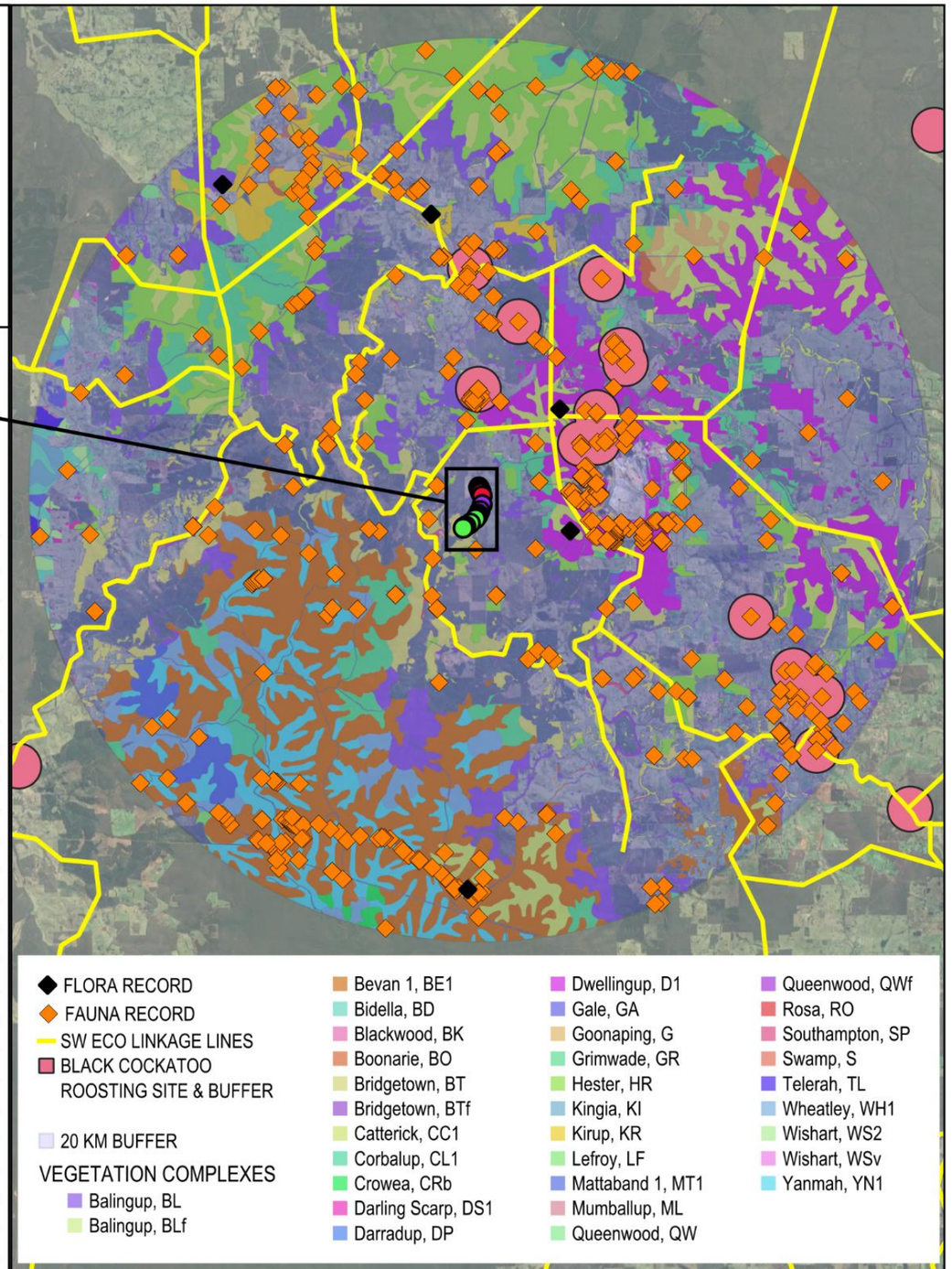


TREES WITHIN PROJECT AREA

TREE SPECIES

- E.RUDIS
- INTRODUCED EUCALYPT
- MARRI

id	SPECIES	LIVE	CLEAR
9200	MARRI	LIVE	RETAIN
9255	MARRI	LIVE	CLEAR
9260	MARRI	LIVE	CLEAR
9270	MARRI	LIVE	CLEAR
9280	MARRI	LIVE	CLEAR
9300	MARRI	LIVE	CLEAR
9375	MARRI	LIVE	RETAIN
9380	MARRI	LIVE	CLEAR
9385	MARRI	LIVE	CLEAR
9415	MARRI	LIVE	CLEAR
9420	MARRI	LIVE	RETAIN
9425	INTRODUCED EUCALYPT	DEAD	CLEAR
9440	INTRODUCED EUCALYPT	LIVE	CLEAR
9455	INTRODUCED EUCALYPT	LIVE	CLEAR
9620	INTRODUCED EUCALYPT	LIVE	CLEAR
9980	E.RUDIS	LIVE	PRUNE
10320	E.RUDIS	LIVE	PRUNE
10325	E.RUDIS	LIVE	PRUNE
10490	E.RUDIS	LIVE	PRUNE
10545	MARRI	LIVE	PRUNE
10600	MARRI	LIVE	PRUNE
10650	MARRI	LIVE	PRUNE
10690	MARRI	LIVE	PRUNE
10720	MARRI	LIVE	PRUNE
11100	MARRI	LIVE	RETAIN



- FLORA RECORD
- FAUNA RECORD
- SW ECO LINKAGE LINES
- BLACK COCKATOO ROOSTING SITE & BUFFER
- 20 KM BUFFER

VEGETATION COMPLEXES

- Balingup, BL
- Balingup, BLf
- Bevan 1, BE1
- Bidella, BD
- Blackwood, BK
- Boonarie, BO
- Bridgetown, BT
- Bridgetown, BTf
- Catterick, CC1
- Corbalup, CL1
- Crowea, CRb
- Darling Scarp, DS1
- Darradup, DP
- Dwellingup, D1
- Gale, GA
- Goonaping, G
- Grimwade, GR
- Hester, HR
- Kingia, KI
- Kirup, KR
- Lefroy, LF
- Mattaband 1, MT1
- Mumballup, ML
- Queenwood, QW
- Queenwood, QWf
- Rosa, RO
- Southampton, SP
- Swamp, S
- Telerah, TL
- Wheatley, WH1
- Wishart, WS2
- Wishart, WSv
- Yanmah, YN1

Scale 1:315,000 EPSG 7850 GDA 20 MGA 50 DATE: 6/01/2025 0 2.5 5 km

Appendix B: Environmental Values found within 20km of clearing.

Shire of Donnybrook Balingup

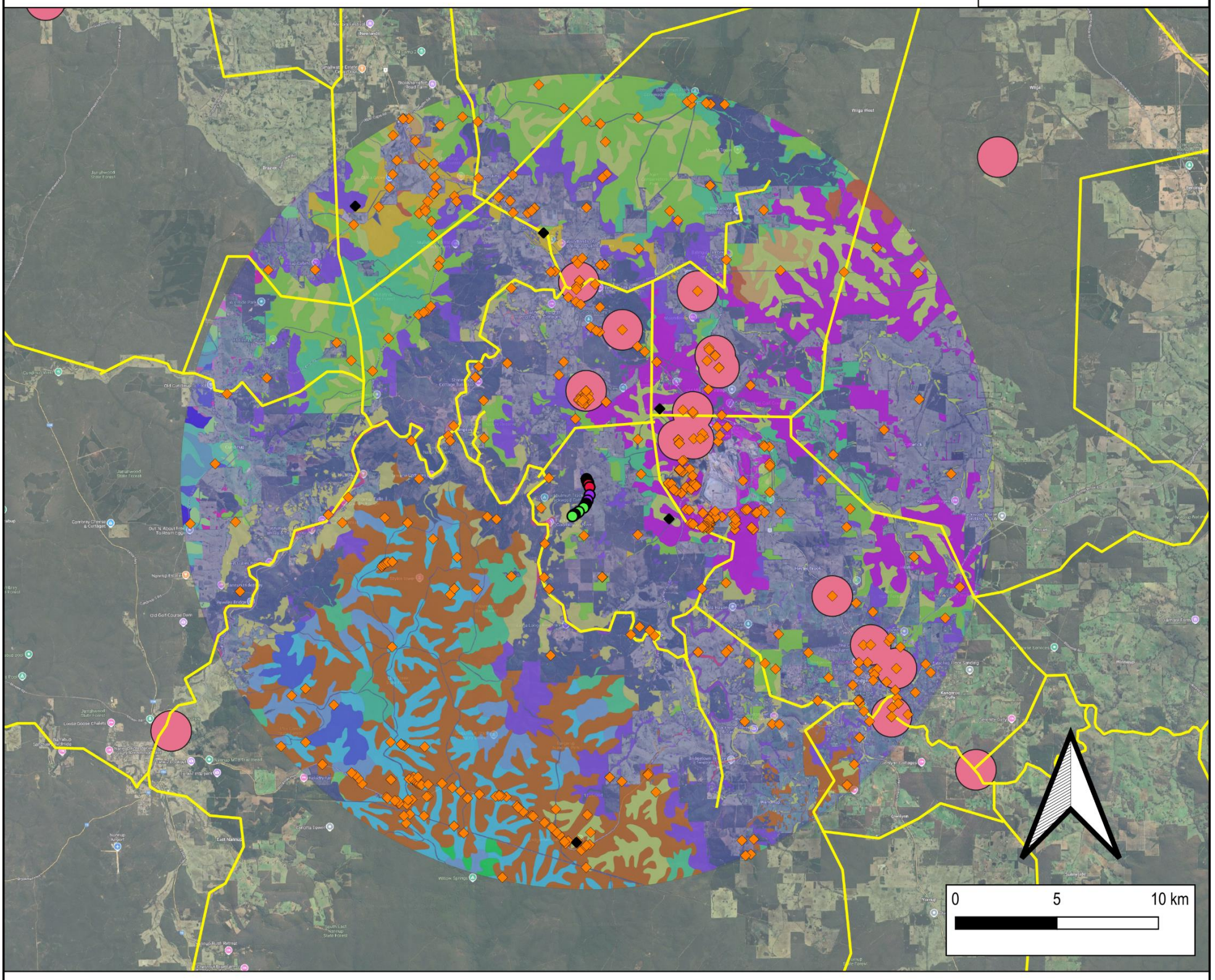
Southampton Road Upgrade

2025-2027

Environmental Values in 20km Buffer of Project Area

Completed by Claire Palmer 6 Januray 2025

Shire of Donnybrook Balingup



Trees in project area

- E.RUDIS
- INTRODUCED EUCALYPT
- MARRI
- 20km Buffer
- Flora Record
- Fauna Buffer
- SW Ecological Linkage
- Black Cockatoo Roosting Sites & Buffer

Vegetation Complexes

- Balingup, BL
- Balingup, BLf
- Bevan 1, BE1
- Bidella, BD
- Blackwood, BK
- Boonarie, BO
- Bridgetown, BT
- Bridgetown, BTf
- Catterick, CC1
- Corbalup, CL1
- Crowea, CRb
- Darling Scarp, DS1
- Darradup, DP
- Dwellingup, D1
- Gale, GA
- Goonaping, G
- Grimwade, GR
- Hester, HR
- Kingia, KI
- Kirup, KR
- Lefroy, LF
- Mattaband 1, MT1
- Mumballup, ML
- Queenwood, QW
- Queenwood, QWf
- Rosa, RO
- Southampton, SP
- Swamp, S
- Telerah, TL
- Wheatley, WH1
- Wishart, WS2
- Wishart, WSv
- Yanmah, YN1