

APPLICATION FOR NEW CLEARING PERMIT

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

2025-2029



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



Table of Contents

Introduction	2
Road Upgrades Planned Where no Clearing of Native Vegetation is necessary:.....	2
Road Upgrades where clearing may be necessary: (APPLICATION PART 3.1 & PART 5).....	3
Desktop Assessment; a consideration of Environmental Impacts of Vegetation Clearing:	4
Preliminary Desktop Assessment Information	5
Background details of project areas	6
Assessment of Clearing Principles against proposed works	21
References	28





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 2024 and 2029 financial years, and roads considered to potentially require clearing are outlined below. The clearing parcel area identified is based on general information only and captures the maximum area of native vegetation that would require clearing. Further, more detailed information pertaining to individual vegetation types and areas requiring clearing will be provided prior to clearing when road designs have been finalized. At the time of this report, no road designs have been finalized, however design processes will include alteration to road dimensions such as width and structure to preserve native vegetation where possible without compromising road safety. It is noted that any additional clearing activities over the 2024-2029 financial years that have not yet been identified will be applied for in a separate permit application. 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 Planned Where no Clearing of Native Vegetation is necessary:

ROAD NAME	SLK DISTANCE	YEAR UNDERTAKEN	WORKS DESCRIPTION
<i>Cundinup- Kirup Road</i> (Road number 0154)	SLK 13.00 – 15.00	2024-2025	Recondition Shoulder and Drainage, reseal and road markings.
	SLK 07.00 – 05.00	2025-2026	Recondition Shoulder and Drainage, reseal and road markings.
	SLK 05.00 – 03.00	2026-2027	Recondition Shoulder and Drainage, reseal and road markings.
	SLK 03.00 – 01.50	2027-2028	Recondition Shoulder and Drainage, reseal and road markings.
	SLK 01.50 – 0.00	2028-2029	Recondition Shoulder and Drainage, reseal and road markings.
<i>Balingup-Nannup Road</i> (Road number 0308)	SLK 18.00 – 21.50	2024-2025	Extend existing culverts; Investigate and repair failed carriageway sections
	SLK 0.030 – 01.10	2028-2029	Asphalt surfacing and replace existing pedestrian path
<i>Southampton Road</i> (Road number 0142)	SLK 09.10 – 10.30	2024-2025	Reconstruct and seal to 6.2m and 2 nd coat reseal





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

Total Hectares over 2024-2029 subject to assessment for clearing/ Potential Footprint: **1.8/**

2024-2025: None

2025-2026

ROAD NAME	SLK START	SLK FINISH	SLK DISTANCE (M)	CLEARING AREA (HA)	PROJECT AREA (HA)	ZONING	WORKS SCHEDULED
<u>Balingup-Nannup Road</u> Road Number 0308	18.00	19.00	1000	0.3	0.8	Road Reserve	Recondition shoulder and drains & reseal & road markings
<u>Southampton Road</u> Road Number 0146	10.30	11.30	1000	0.5	0.8	Road Reserve	Reconstruct and seal to 6.2m & 2nd coat reseal
			Total	0.8	1.6		

2026-2027

ROAD NAME	SLK START	SLK FINISH	SLK DISTANCE (M)	CLEARING AREA (HA)	PROJECT AREA (HA)	ZONING	WORKS SCHEDULED
<u>Balingup-Nannup Road</u> Road Number 0308	19.00	20.00	1000	0.3	0.8	Road Reserve	
<u>Southampton Road</u> Road Number 0142	11.30	12.30	1000	0.1	0.8	Road Reserve	Reconstruct and seal to 6.2m & 2nd coat reseal
			Total	0.4	1.6		



2027-2028

ROAD NAME	SLK START	SLK FINISH	SLK DISTANCE (M)	CLEARING AREA (HA)	PROJECT AREA (HA)	ZONING	WORKS SCHEDULED
<u>Balingup-Nannup Road</u> Road Number 0308	20.00	21.50	1500	0.2	1.2	Road Reserve	Recondition shoulder and drains & reseal & road markings
<u>Southampton Road</u> Road Number 0142	12.30	13.20	900	.02	.72	Road Reserve	Reconstruct and seal to 6.2m & 2nd coat reseal
			Total	0.4	1.9		

2028-2029

ROAD NAME	SLK START	SLK FINISH	SLK DISTANCE (M)	CLEARING AREA (HA)	PROJECT AREA (HA)	ZONING	WORKS SCHEDULED
<u>Southampton Road</u> Road Number 0142	13.20	14.53	1330	.2	1.1	Road Reserve	Reconstruct and seal to 6.2m & 2nd coat reseal
			Total	0.2	1.1		

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:

Application for Purpose Permit NV-F01- Shire of Donnybrook Balingup Supporting information.

Author: Claire Palmer, Environmental Officer. January 2024



- 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 rehabilitation works within Shire reserves to reduce the loss of canopy/vegetation structure on a local scale.
- 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 & Balingup Nannup Roads, 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: Between 2025 and 2029
- Land Tenure: Local Government- Shire of Donnybrook Balingup
- Buffer Distance: 10 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



(08) 9780 4200



www.donnybrook-balingup.wa.gov.au



shire@donnybrook.wa.gov.au



1 Bentley Street, Donnybrook, 6239



- 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 (Appendix 1).
- 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	5.9 Straight line Km of road widening
TOTAL POTENTIAL CLEARING AREA (HA):	1.45 (canopy measurement)
SITE 1: SOUTHAMPTON ROAD, SOUTHAMPTON WA 6253	
Local Government Authority:	DONNYBROOK-BALINGUP, SHIRE OF
DER Region:	SOUTHWEST
DBCA District:	BLACKWOOD
LCDC:	DONNYBROOK -BALLINGUP
ILUA:	SOUTHWEST BOOJARAH
Aboriginal Cultural Heritage Area 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.

Application for Purpose Permit NV-F01- Shire of Donnybrook Balingup Supporting information.

Author: Claire Palmer, Environmental Officer. January 2024



	No reports indicated the project area will impact Aboriginal Cultural Heritage, however confirmation sought from SWALSC. No response was recieved
GPS coordinates lat/long:	Provided in Supporting Documentation
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
Project Area (ha):	2.6 KM OF ROAD WIDENING
Potential Clearing Area (ha):	.82HA
Potential Trees	APPROX 56
Vegetation Association	3 : Medium forest; jarrah-marri. Description: Mainly jarrah and marri Eucalyptus marginata, Corymbia calophylla. Percent Remaining in Shire: 66% (61614ha remaining)
Vegetation Complexes	Southampton SP (60.48% Remaining Statewide) Bridgetown BT (22.6% Remaining Statewide)



(08) 9780 4200



www.donnybrook-balingup.wa.gov.au



shire@donnybrook.wa.gov.au



1 Bentley Street, Donnybrook, 6239

Application for Purpose Permit NV-F01- Shire of Donnybrook Balingup Supporting information.

Author: Claire Palmer, Environmental Officer. January 2024



SITE 2: BALINGUP-NANNUP RD, SOUTHAMPTON WA 6253	
Local Government Authority:	DONNYBROOK-BALINGUP, SHIRE OF
DER Region:	SOUTHWEST
DBCA District:	BLACKWOOD
LCDC:	DONNYBROOK -BALLINGUP
ILUA:	SOUTHWEST BOOJARAH
Aboriginal Cultural Heritage Area Inquiry	None found in project area. Nearest ID <1km (ID 20434- Blackwood River)
Aboriginal Cultural Heritage Survey Inquiry	<p>The following Survey Report ID's intersect the project area: 102073; 102074; 10479; 10468.</p> <p>ABORIGINAL HERITAGE LODGED: PLACE 5822</p> <p>ABORIGINAL HERITAGE REGISTERED SITE: ID 20434- BLACKWOOD RIVER</p> <p>No reports indicated the project area will impact Aboriginal Cultural Heritage, however confirmation sought from Karri Karrak Aboriginal Corporation. No response was received.</p> <p>The river will not be impacted by any of the proposed works due to existing infrastructure.</p>
GPS coordinates lat/long:	Provided in Supporting Documentation
Environmentally Sensitive Area:	No
EPA Red Book Area:	No
Hydrological Zone	Western Darling Range
Country Areas Water Supply Act 1947 - Clearing Control Catchment:	No

Application for Purpose Permit NV-F01- Shire of Donnybrook Balingup Supporting information.

Author: Claire Palmer, Environmental Officer. January 2024



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
Project Area (ha):	2.6 KM OF ROAD WIDENING
Potential Clearing Area (ha):	.82HA
Potential Trees	APPROX 46
Vegetation Association	3 : Medium forest; jarrah-marri. Description: Mainly jarrah and marri Eucalyptus marginata, Corymbia calophylla. Percent Remaining in Shire : 66% (61,614Ha remaining)
Vegetation Complexes	Southampton SP (60.48% Remaining Statewide) Bridgetown BT (22.6% Remaining Statewide) Bridgetown BTf (15% 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.



(08) 9780 4200



www.donnybrook-balingup.wa.gov.au



shire@donnybrook.wa.gov.au



1 Bentley Street, Donnybrook, 6239

Application for Purpose Permit NV-F01- Shire of Donnybrook Balingup Supporting information.

Author: Claire Palmer, Environmental Officer. January 2024



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 Complex Statistics Within 10km Buffer Zone- Complexes Intersecting Projects Are Highlighted

LOCAL GOVT. AUTHORITY NAME	SUBREGION OF THE SOUTH-WEST FORESTS	BROAD LANDFORM	COMBINED VEGETATION COMPLEX AND CODE	PRE-EUROPEAN EXTENT (HA)	CURRENT EXTENT (HA)	% REMAINING	PROPORTION OF THE VEGETATION COMPLEX CLASS MAPPING EXTENT WITHIN EACH LGA* (%)
Donnybrook-Balingup, Shire Of	Darling Plateau	Valleys	Balingup, Blf	2,125.51	168.18	7.91	71.51
Donnybrook-Balingup, Shire Of	Darling Plateau	Valleys	Balingup, Bl	42,835.34	13,095.69	30.57	72.06
Donnybrook-Balingup, Shire Of	Darling Plateau	Uplands	Bevan 1, Be1	777.66	642.07	82.56	1.01
Donnybrook-Balingup, Shire Of	Blackwood Plateau And Plain	Valleys	Bidella, Bd	2,655.46	1,992.28	75.03	5.56
Donnybrook-Balingup, Shire Of	Darling Plateau	Valleys	Bridgetown, Btf	737.89	116.64	15.81	30.20
Donnybrook-Balingup, Shire Of	Darling Plateau	Valleys	Bridgetown, Bt	7,110.08	1,611.43	22.66	33.10
Donnybrook-Balingup, Shire Of	Darling Plateau	Valleys	Catterick, Cc1	13,877.67	11,270.50	81.21	50.68



Application for Purpose Permit NV-F01- Shire of Donnybrook Balingup Supporting information.

Author: Claire Palmer, Environmental Officer. January 2024



LOCAL GOVT. AUTHORITY NAME	SUBREGION OF THE SOUTH-WEST FORESTS	BROAD LANDFORM	COMBINED VEGETATION COMPLEX AND CODE	PRE-EUROPEAN EXTENT (HA)	CURRENT EXTENT (HA)	% REMAINING	PROPORTION OF THE VEGETATION COMPLEX CLASS MAPPING EXTENT WITHIN EACH LGA* (%)
Donnybrook-Balingup, Shire Of	Blackwood Plateau And Plain	Depressions And Swamps On Uplands	Coate, Ce	475.54	170.51	35.86	1.96
Donnybrook-Balingup, Shire Of	Darling Plateau	Uplands	Darling Scarp, Ds2	434.28	37.42	8.62	1.34
Donnybrook-Balingup, Shire Of	Darling Plateau	Uplands	Darling Scarp, Ds1	1,132.98	160.53	14.17	34.56
Donnybrook-Balingup, Shire Of	Darling Plateau	Uplands	Dwellingup, D1	10,601.82	9,856.25	92.97	5.09
Donnybrook-Balingup, Shire Of	Darling Plateau	Depressions And Swamps On Uplands	Goonaping, G	581.11	508.40	87.49	2.12
Donnybrook-Balingup, Shire Of	Darling Plateau	Valleys	Grimwade, Gr	14,113.23	8,196.67	58.08	64.02
Donnybrook-Balingup, Shire Of	Darling Plateau	Uplands	Hester, Hr	17,663.17	13,748.61	77.84	54.77
Donnybrook-Balingup, Shire Of	Blackwood Plateau And Plain	Valleys	Jalbaragup, Jl	449.39	442.37	98.44	2.78
Donnybrook-Balingup, Shire Of	Blackwood Plateau And Plain	Uplands	Kingia, Ki	5,223.39	4,486.44	85.89	5.12



Application for Purpose Permit NV-F01- Shire of Donnybrook Balingup Supporting information.

Author: Claire Palmer, Environmental Officer. January 2024



LOCAL GOVT. AUTHORITY NAME	SUBREGION OF THE SOUTH-WEST FORESTS	BROAD LANDFORM	COMBINED VEGETATION COMPLEX AND CODE	PRE-EUROPEAN EXTENT (HA)	CURRENT EXTENT (HA)	% REMAINING	PROPORTION OF THE VEGETATION COMPLEX CLASS MAPPING EXTENT WITHIN EACH LGA* (%)
Donnybrook-Balingup, Shire Of	Darling Plateau	Depressions And Swamps On Uplands	Kirup, Kr	3,423.99	2,031.73	59.34	98.98
Donnybrook-Balingup, Shire Of	Darling Plateau	Valley Floors And Swamps	Mumballup, Ml	2,581.46	337.70	13.08	100.00
Donnybrook-Balingup, Shire Of	Darling Plateau	Valley Floors And Swamps	Southampton, Sp	210.65	127.39	60.48	26.35
Donnybrook-Balingup, Shire Of	Blackwood Plateau And Plain	Uplands	Telerah, Tl	321.90	241.02	74.87	1.15
Donnybrook-Balingup, Shire Of	Darling Plateau	Valleys	Wheatley, Wh1	33.73	24.93	73.90	0.17
Donnybrook-Balingup, Shire Of	Darling Plateau	Uplands	Wishart, Wsv	260.33	88.68	34.06	68.81
Donnybrook-Balingup, Shire Of	Darling Plateau	Uplands	Wishart, Ws2	879.44	540.03	61.41	26.39
Donnybrook-Balingup, Shire Of	Darling Plateau	Valleys	Yanmah, Yn1	31.49	28.29	89.85	0.13
Bridgetown-Greenbushes, Shire Of	Darling Plateau	Valleys	Balingup, Bl	12,913.51	2,822.54	21.86	21.72
Bridgetown-Greenbushes, Shire Of	Darling Plateau	Valleys	Balingup, Blf	798.99	96.12	12.03	26.88



Application for Purpose Permit NV-F01- Shire of Donnybrook Balingup Supporting information.

Author: Claire Palmer, Environmental Officer. January 2024



LOCAL GOVT. AUTHORITY NAME	SUBREGION OF THE SOUTH-WEST FORESTS	BROAD LANDFORM	COMBINED VEGETATION COMPLEX AND CODE	PRE-EUROPEAN EXTENT (HA)	CURRENT EXTENT (HA)	% REMAINING	PROPORTION OF THE VEGETATION COMPLEX CLASS MAPPING EXTENT WITHIN EACH LGA* (%)
Bridgetown-Greenbushes, Shire Of	Darling Plateau	Uplands	Bevan 1, Be1	10,634.66	7,591.12	71.38	13.85
Bridgetown-Greenbushes, Shire Of	Darling Plateau	Uplands	Bevan 2, Be2	9,180.35	8,540.86	93.03	20.03
Bridgetown-Greenbushes, Shire Of	Darling Plateau	Valleys	Bridgetown, Bt	7,807.77	1,530.15	19.60	36.35
Bridgetown-Greenbushes, Shire Of	Darling Plateau	Valleys	Bridgetown, Btf	1,216.24	448.46	36.87	49.78
Bridgetown-Greenbushes, Shire Of	Darling Plateau	Valleys	Catterick, Cc1	11,732.17	4,521.26	38.54	42.84
Bridgetown-Greenbushes, Shire Of	Darling Plateau	Valleys	Catterick, Cc2	1,453.90	1,057.75	72.75	11.14
Bridgetown-Greenbushes, Shire Of	Darling Plateau	Depressions And Swamps On Uplands	Corbalup, Cl1	4,756.16	3,572.78	75.12	31.33
Bridgetown-Greenbushes, Shire Of	Darling Plateau	Uplands	Dwellingup, D1	13,704.69	8,477.39	61.86	6.57
Bridgetown-Greenbushes, Shire Of	Darling Plateau	Depressions And Swamps On Uplands	Goonaping, G	523.27	212.25	40.56	1.91
Bridgetown-Greenbushes, Shire Of	Darling Plateau	Valleys	Grimwade, Gr	5,272.19	1,653.64	31.37	23.91

Application for Purpose Permit NV-F01- Shire of Donnybrook Balingup Supporting information.

Author: Claire Palmer, Environmental Officer. January 2024



LOCAL GOVT. AUTHORITY NAME	SUBREGION OF THE SOUTH-WEST FORESTS	BROAD LANDFORM	COMBINED VEGETATION COMPLEX AND CODE	PRE-EUROPEAN EXTENT (HA)	CURRENT EXTENT (HA)	% REMAINING	PROPORTION OF THE VEGETATION COMPLEX CLASS MAPPING EXTENT WITHIN EACH LGA* (%)
Bridgetown-Greenbushes, Shire Of	Darling Plateau	Uplands	Hester, Hr	4,212.47	1,620.18	38.46	13.06
Bridgetown-Greenbushes, Shire Of	Darling Plateau	Depressions And Swamps On Uplands	Kirup, Kr	35.19	5.39	15.31	1.02
Bridgetown-Greenbushes, Shire Of	Darling Plateau	Uplands	Mattaband 1, Mt1	1,326.50	1,228.96	92.65	41.50
Bridgetown-Greenbushes, Shire Of	Darling Plateau	Valley Floors And Swamps	Southampton, Sp	197.15	43.38	22.00	24.66
Bridgetown-Greenbushes, Shire Of	Darling Plateau	Valleys	Wheatley, Wh1	491.11	485.48	98.85	2.42
Bridgetown-Greenbushes, Shire Of	Darling Plateau	Valleys	Yanmah, Yn2	2,761.20	2,633.88	95.39	40.94
Capel, Shire Of	Blackwood Plateau And Plain	Valleys	Bidella, Bd	398.45	292.84	73.49	0.83
Capel, Shire Of	Blackwood Plateau And Plain	Valleys	Jalbaragup, Jl	600.75	575.10	95.73	3.71

Application for Purpose Permit NV-F01- Shire of Donnybrook Balingup Supporting information.

Author: Claire Palmer, Environmental Officer. January 2024



LOCAL GOVT. AUTHORITY NAME	SUBREGION OF THE SOUTH-WEST FORESTS	BROAD LANDFORM	COMBINED VEGETATION COMPLEX AND CODE	PRE-EUROPEAN EXTENT (HA)	CURRENT EXTENT (HA)	% REMAINING	PROPORTION OF THE VEGETATION COMPLEX CLASS MAPPING EXTENT WITHIN EACH LGA* (%)
Bridgetown-Greenbushes, Shire Of	Darling Plateau	Valleys	Wheatley, Wh3	4,605.55	3,571.06	77.54	96.63
Bridgetown-Greenbushes, Shire Of	Darling Plateau	Valleys	Yanmah, Yn1	1,044.52	1,030.10	98.62	4.45
Dardanup, Shire Of	Darling Plateau	Valleys	Balingup, Bl	1,287.14	710.91	55.23	2.17
Dardanup, Shire Of	Darling Plateau	Valleys	Catterick, Cc1	374.69	331.29	88.42	1.37
Dardanup, Shire Of	Darling Plateau	Uplands	Darling Scarp, Ds2	3,612.97	637.29	17.64	11.13
Dardanup, Shire Of	Darling Plateau	Uplands	Dwellingup, D1	189.25	100.44	53.07	0.09
Dardanup, Shire Of	Blackwood Plateau And Plain	Valleys	Jalbaragup, Jl	1,046.61	762.13	72.82	6.47
Dardanup, Shire Of	Blackwood Plateau And Plain	Uplands	Kingia, Ki	3,303.79	2,912.90	88.17	3.24
Dardanup, Shire Of	Darling Plateau	Valleys	Grimwade, Gr	535.94	530.09	98.91	2.43
Dardanup, Shire Of	Darling Plateau	Uplands	Hester, Hr	9,301.30	7,815.45	84.03	28.84



Application for Purpose Permit NV-F01- Shire of Donnybrook Balingup Supporting information.

Author: Claire Palmer, Environmental Officer. January 2024



LOCAL GOVT. AUTHORITY NAME	SUBREGION OF THE SOUTH-WEST FORESTS	BROAD LANDFORM	COMBINED VEGETATION COMPLEX AND CODE	PRE-EUROPEAN EXTENT (HA)	CURRENT EXTENT (HA)	% REMAINING	PROPORTION OF THE VEGETATION COMPLEX CLASS MAPPING EXTENT WITHIN EACH LGA* (%)
Nannup, Shire Of	Darling Plateau	Valleys	Balingup, Bl	2,310.09	736.83	31.90	3.89
Nannup, Shire Of	Darling Plateau	Valleys	Balingup, Blf	48.00	6.30	13.13	1.61
Nannup, Shire Of	Darling Plateau	Uplands	Bevan 1, Be1	28,888.79	25,896.59	89.64	37.62
Nannup, Shire Of	Blackwood Plateau And Plain	Valleys	Bidella, Bd	28,666.97	26,912.84	93.88	59.99
Nannup, Shire Of	Blackwood Plateau And Plain	Valleys	Blackwood, Bk	14,376.08	13,472.06	93.71	67.30
Nannup, Shire Of	Darling Plateau	Valleys	Bridgetown, Bt	6,559.89	1,373.51	20.94	30.54
Nannup, Shire Of	Darling Plateau	Valleys	Bridgetown, Btf	489.11	61.82	12.64	20.02
Nannup, Shire Of	Darling Plateau	Valleys	Catterick, Cc1	211.52	151.63	71.69	0.77
Nannup, Shire Of	Blackwood Plateau And Plain	Depressions And Swamps On Uplands	Coate, Ce	13,277.64	12,989.77	97.83	54.65
Nannup, Shire Of	Darling Plateau	Depressions And Swamps On Uplands	Corbalup, Cl1	1,240.94	1,186.48	95.61	8.18

Application for Purpose Permit NV-F01- Shire of Donnybrook Balingup Supporting information.

Author: Claire Palmer, Environmental Officer. January 2024



LOCAL GOVT. AUTHORITY NAME	SUBREGION OF THE SOUTH-WEST FORESTS	BROAD LANDFORM	COMBINED VEGETATION COMPLEX AND CODE	PRE-EUROPEAN EXTENT (HA)	CURRENT EXTENT (HA)	% REMAINING	PROPORTION OF THE VEGETATION COMPLEX CLASS MAPPING EXTENT WITHIN EACH LGA* (%)
Nannup, Shire Of	Darling Plateau	Uplands	Darling Scarp, Ds1	2,144.26	664.73	31.00	65.41
Nannup, Shire Of	Blackwood Plateau And Plain	Valley Floors And Swamps	Darradup, Dp	4,083.92	2,836.11	69.45	99.89
Nannup, Shire Of	Darling Plateau	Uplands	Gale, Ga	1,122.40	801.47	71.41	100.00
Nannup, Shire Of	Darling Plateau	Valleys	Grimwade, Gr	2,088.57	697.20	33.38	9.47
Nannup, Shire Of	Darling Plateau	Uplands	Hester, Hr	770.14	284.92	37.00	2.39
Nannup, Shire Of	Blackwood Plateau And Plain	Valleys	Jalbaragup, Jl	6,592.72	6,259.52	94.95	40.76
Nannup, Shire Of	Blackwood Plateau And Plain	Uplands	Kingia, Ki	59,125.52	57,224.80	96.79	57.95
Nannup, Shire Of	Darling Plateau	Uplands	Mattaband 1, Mt1	859.10	850.36	98.98	26.88
Nannup, Shire Of	Darling Plateau	Valley Floors And Swamps	Southampton, Sp	391.73	177.45	45.30	49.00



Application for Purpose Permit NV-F01- Shire of Donnybrook Balingup Supporting information.

Author: Claire Palmer, Environmental Officer. January 2024



LOCAL GOVT. AUTHORITY NAME	SUBREGION OF THE SOUTH-WEST FORESTS	BROAD LANDFORM	COMBINED VEGETATION COMPLEX AND CODE	PRE-EUROPEAN EXTENT (HA)	CURRENT EXTENT (HA)	% REMAINING	PROPORTION OF THE VEGETATION COMPLEX CLASS MAPPING EXTENT WITHIN EACH LGA* (%)
Nannup, Shire Of	Blackwood Plateau And Plain	Uplands	Telerah, Tl	12,204.81	11,390.18	93.33	43.74
Nannup, Shire Of	Darling Plateau	Valleys	Wheatley, Wh1	6,439.45	5,914.51	91.85	31.69
Nannup, Shire Of	Darling Plateau	Uplands	Wishart, Ws2	2,084.58	1,775.10	85.15	62.56
Nannup, Shire Of	Darling Plateau	Uplands	Wishart, Wsv	118.02	10.97	9.29	31.19
Nannup, Shire Of	Darling Plateau	Valleys	Yanmah, Yn1	10,669.34	9,913.05	92.91	45.41



(08) 9780 4200



www.donnybrook-balingup.wa.gov.au



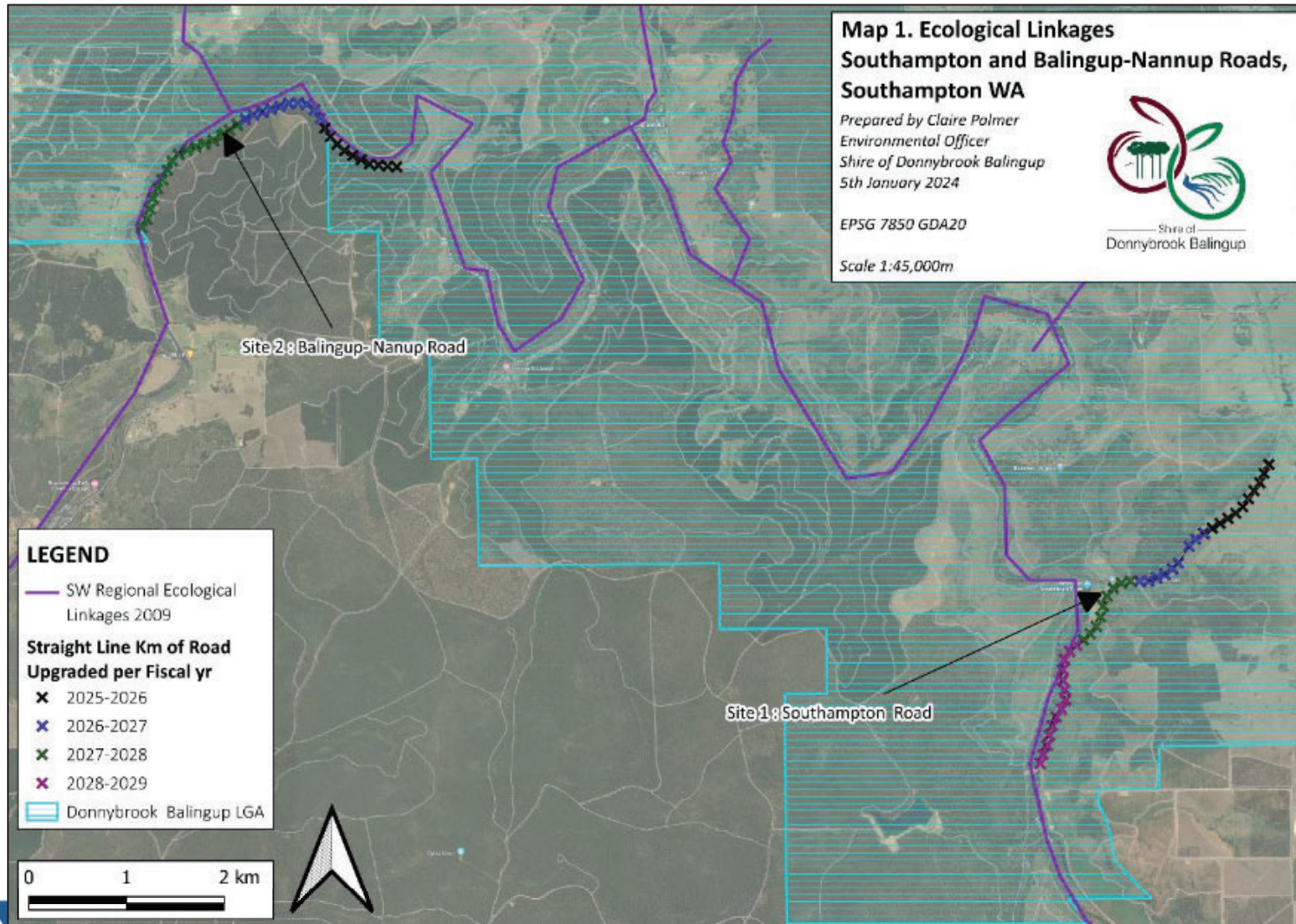
shire@donnybrook.wa.gov.au



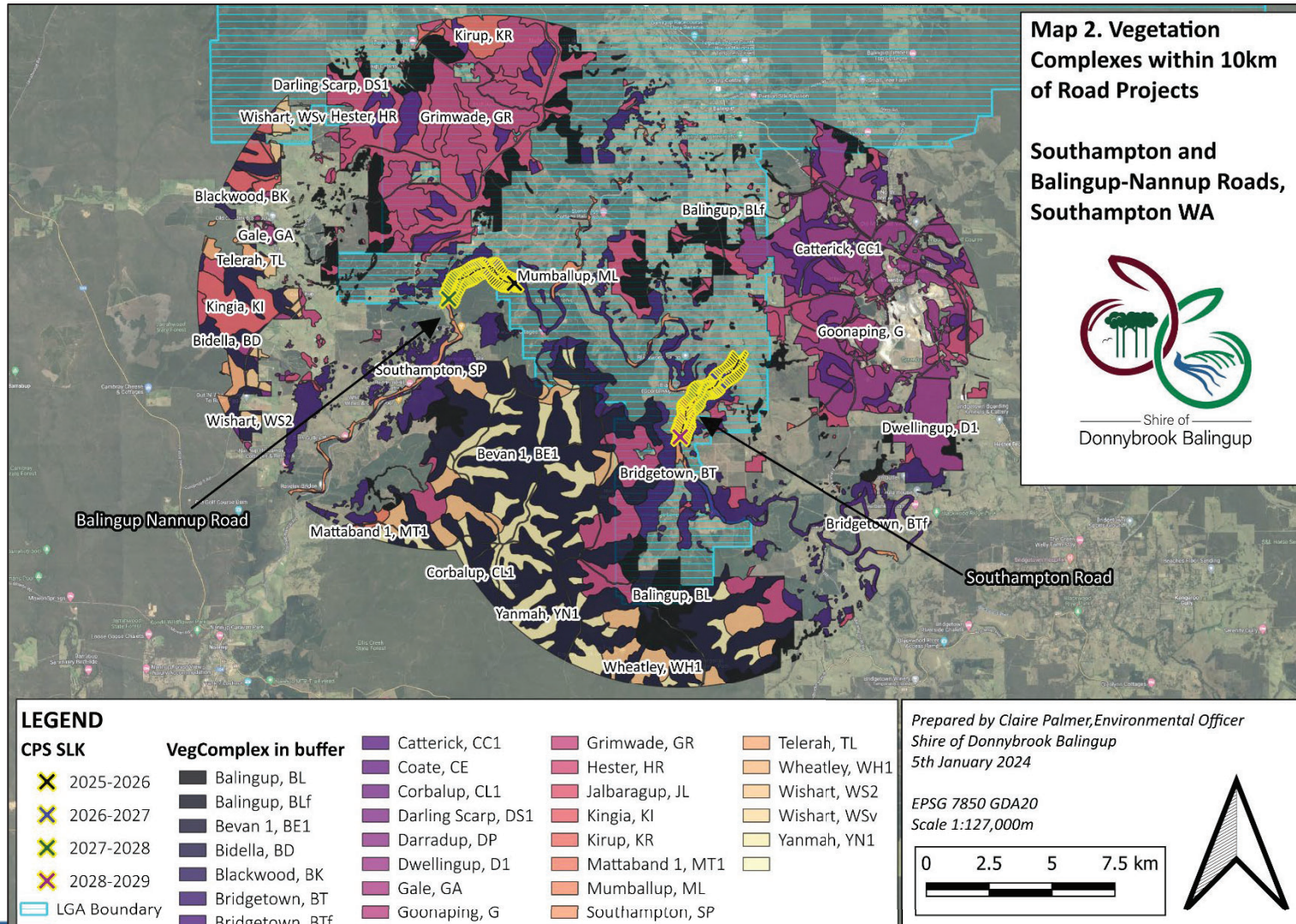
1 Bentley Street, Donnybrook, 6239

Aerial Imagery

ECOLOGICAL LINKAGES WITHIN 10KM BUFFER SITES 1 & 2



VEGETATION COMPLEXES WITHIN 10KM OF ROAD PROJECTS



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

The road upgrade projects require the road be widened to increase safety for road users. Unfortunately, there are a number of mature and post mature Marri and Jarrah trees growing within the Shire's Road reserve, and some of them are found within the proposed area that needs to be cleared to allow for a wider and safer road.

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

- Road design developed to keep clearing to a minimum, installing kerbing and subsoil drainage where possible
- The road design was altered to facilitate the retention of all possible native vegetation, including purchasing land from neighbouring properties
- Trees that meet the criteria as significant habitat for fauna will be investigated for presence of fauna use 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 pastoral 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	Some tree Species to be cleared are expected to be considered habitat for protected fauna, however most trees are isolated with minimal and or degraded understory. The road design will be altered to retain these trees where possible
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 10km 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.



Application for Purpose Permit NV-F01- Shire of Donnybrook Balingup Supporting information.

Author: Claire Palmer, Environmental Officer. January 2024



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 10km 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



(08) 9780 4200



www.donnybrook-balingup.wa.gov.au



shire@donnybrook.wa.gov.au



1 Bentley Street, Donnybrook, 6239

Application for Purpose Permit NV-F01- Shire of Donnybrook Balingup Supporting information.

Author: Claire Palmer, Environmental Officer. January 2024



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 unicus	3	-33.7806	115.822222220000000	5/12/1991

Fauna:

One Priority fauna record was found within Site 1: Southampton Road:

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

Ecological Linkages:

Within 10 metres of the project sites.

Other Recognised Conservation Values:

Bush Forever Sites: None in LGA



(08) 9780 4200



www.donnybrook-balingup.wa.gov.au



shire@donnybrook.wa.gov.au



1 Bentley Street, Donnybrook, 6239

Conservation Category Wetlands: None in LGA

PRINCIPLE B

Potential Fauna Habitat:

Approximately 100 Trees are being considered for clearing during 2024-2029, and it can be assumed these trees could provide a source of food or habitat to local native fauna; the three vegetation complexes proposed to be impacted by this clearing are considered potential feeding habitat for Carnaby's Black Cockatoo. The closest confirmed Roosting Site for Black Cockatoos is over 5km away; four roosting sites were identified within the buffer.

The vegetation will be inspected by the Shire's Environmental Officer for use of native fauna prior to clearing; any habitat trees with hollows will be inspected by a fauna specialist prior to clearing to ensure the hollow is not in use. Should fauna be using the area, clearing will cease until the fauna are no longer using the site.

Further Information: Trees to be cleared

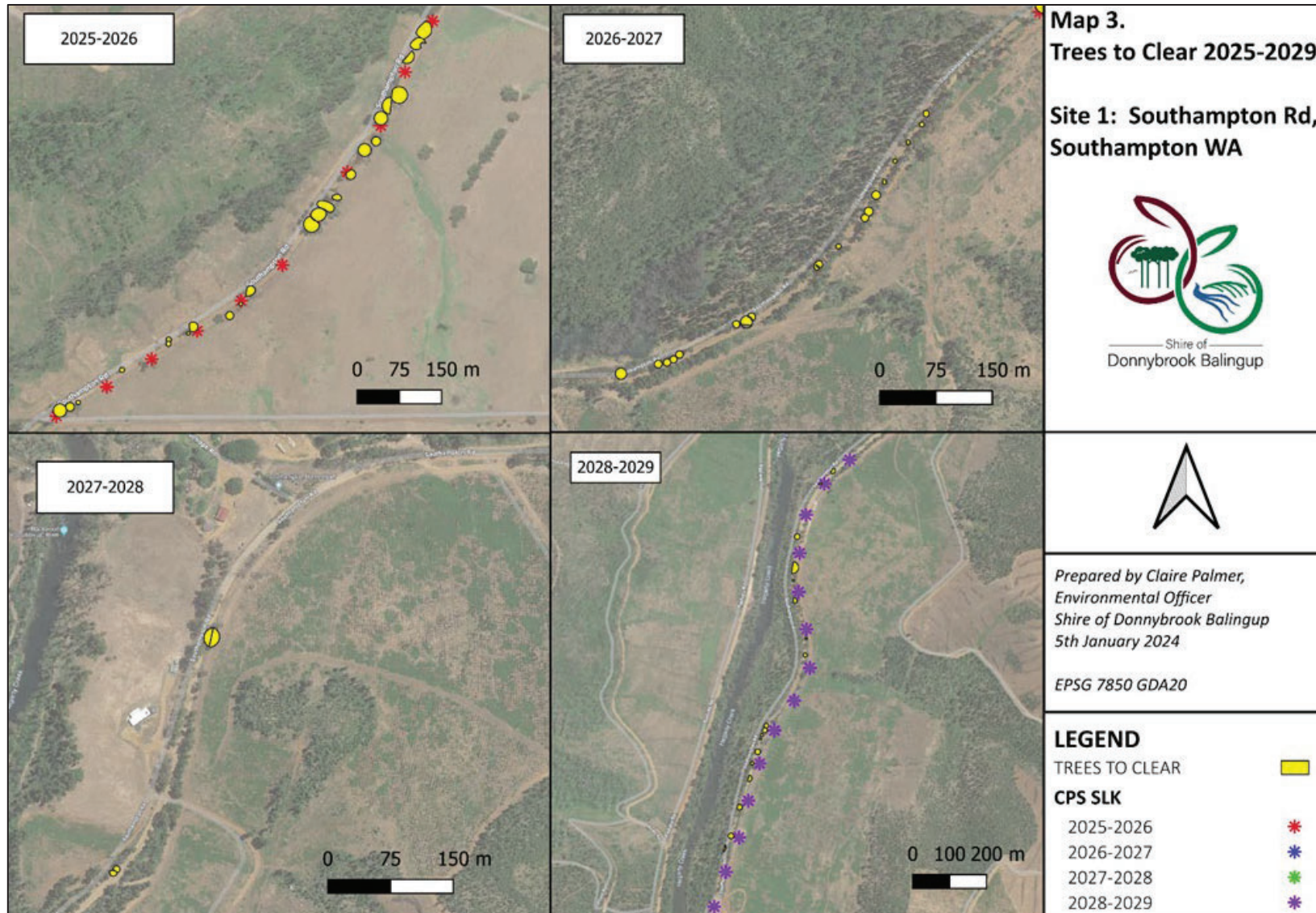
LOCATIONS AND IMPACTS:

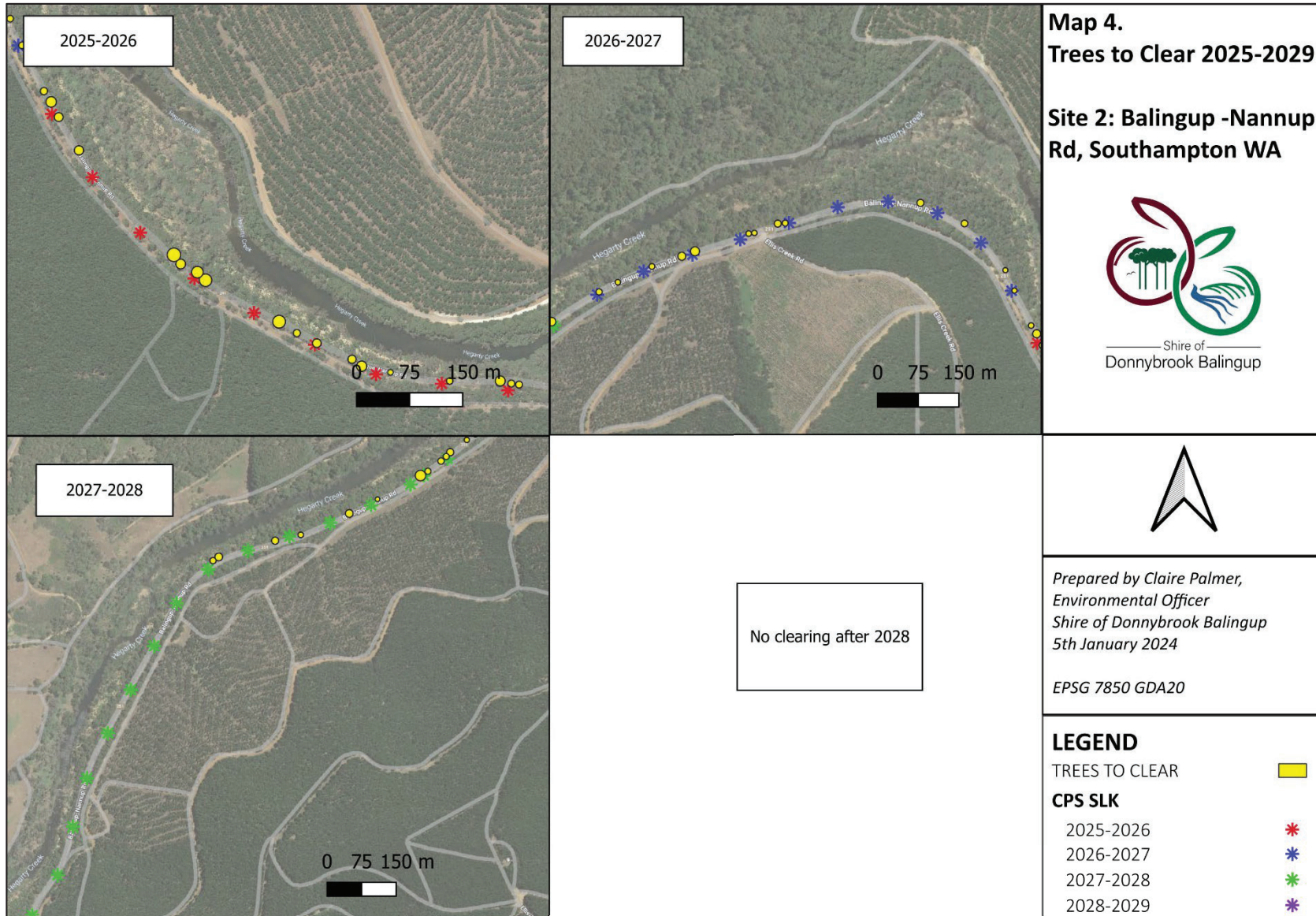
Maps 3 and 4 indicate the trees identified via desktop assessment for potential clearing at each site. At the time of this report, the road designs have not been finalised, and the Shire has adopted a precautionary approach; trees will be retained where possible. Shapefiles have been provided to support this document.



Application for Purpose Permit NV-F01- Shire of Donnybrook Balingup Supporting information.

Author: Claire Palmer, Environmental Officer. January 2024





Map 4.
Trees to Clear 2025-2029

Site 2: Balingup -Nannup Rd, Southampton WA



Prepared by Claire Palmer,
Environmental Officer
Shire of Donnybrook Balingup
5th January 2024

EPSG 7850 GDA20

LEGEND

TREES TO CLEAR	
CPS SLK	
2025-2026	*
2026-2027	*
2027-2028	*
2028-2029	*



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

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		

