Monday, 8 April 2024

Our Ref: P22.100-LRP-NVCP_A_DRAFT

(08) 6162 8980
PO Box 437, Leederville, WA 6903
enquiries@westenv.com.au

UGL Engineering Pty Limited
Navlika Mooloo
153 Abernethy Road
Belmont WA 6104

ATTENTION: Navlika

SUBJECT: PTA RADIO SYSTEMS REPLACEMENT (RSR) PROJECT – BIOLOGICAL ASSESSMENTS

Project Background

Western Environmental Pty Ltd (WEPL) was commissioned by UGL Engineering Pty Limited (the Client) to undertake Environmental Site Assessments (ESA) at several sites associated with the Public Transport Authority (PTA) Radio Systems Replacement (RSR) Project.

In the context of this project clearing permit application CPS 10433/1 was submitted to DWER and is currently under assessment. Since submission four additional sites were identified to require a clearing permit due to required site design changes.

On behalf of UGL and PTA we ask for the four sites listed in Table 1 to be added under the current clearing permit CPS 10433/1. This report presents details of the vegetation present and the impacts associated with the planned works.

Table 1: Site Identifications and Land Descriptions

Site Name	Property Details	Landowner
Joondalup Tunnel 3 Site #77	Lot 100 on P019570, WA & Land ID 3785996 (Joondalup Drive Road Reserve), WA Works primarily within Lot 100 on P019570 and small portion within Joondalup Drive Road Reserve. LGA: City of Joondalup	Lot 100: Public Transport Authority of Western Australia Joondalup Drive Road Reserve: City of Joondalup
Mandjoogoordap Drive Site #58	Lot 807 on P031126, WA, Lot 2665 on Plan 64444, WA, Land ID 4024435 (Corsican Place Road Reserve)	State of Western Australia

Site Name	Property Details	Landowner
	Works primarily within Lot 2665 and portion of works with Lot 807 and Corsican Place Road Reserve. LGA: City of Mandurah	
Secret Harbour Site #53	Lot 169 on Plan 69127 Lot 8060 on Plan 69127 Lot 167 on Plan 69126 Mandurah Road Reserve LGA: City of Rockingham	Western Australian Planning Commission, Public Transport Authority of Western Australia, Main Roads WA
Canning Bridge Station Site #32	Land ID 3600602 on P ROAD (Road Reserve), WA, Land ID 3329545, City of South Perth Works entirely within Road Reserve. LGA: City of South Perth	Main Roads Western Australia

Survey Methodology

Flora and vegetation assessments were undertaken between 23 February and 27 March 2024. The following elements were assessed:

- Broad description of vegetation types, including broad species composition and weed invasion.
- Vegetation Condition in consistence with the EPA *Technical Guidance – Flora and Vegetation Surveys for Environmental Impact Assessments* (EPA, 2016).
- Opportunistic sampling of flora species where taxa could not be identified on site.
- Presence of potential black cockatoo habitat values and other significant fauna habitat values.
- Presence of TECs, Threatened and Priority Flora and other Environmentally Sensitive Areas (ESAs).

Results

The results found on each survey site where clearing will be required are presented in Table 2 to Table 5 below.

Table 2: Joondalup Tunnel 3 – Site Inspection Form

Site Inspection Form					
Date	14 March 2024	**Site Name**	77 – Joondalup Tunnel 3, Joondalup		
Coordinates (GDA2020-Z50)		383297.44, 6486270.46 (meter MGA 2020 Zone 50)		**Portion No.**	7
Environmental Scientist	Lovisa Thambert				
Vegetation present	Yes				
Vegetation description	Mixed native and weedy shrubland including *Acacia rosterllifera*, *Banksia sessilis*, *Grevillea* sp., *Allocasuarina* sp., *Spyridium globulosum* and Geraldton Wax (**Chamelaucium uncinatum*). Geraldton wax was at high density between 40-50%. The southeastern boundary had higher density of native species including *Xanthorrhoea preissii*, *Mesomelaena* sp., *Dianella* sp. and Priority 4 species *Jacksonia sericea* mixed with weedy grasses.				
Vegetation condition	Degraded				
Weed percentage cover	60%				
Disturbance	Historically cleared and high density of weedy shrubs.				
Wetland mapped	No				
Is vegetation indicative of wetland vegetation?	No				
Does the condition align with MU/RE/CCW?	N/A				
Black cockatoo foraging habitat	Yes – Carnaby's cockatoos forage on proteaceous species including *Banksia sessilis*.				
Black cockatoo roosting habitat	No				
Black cockatoo breeding habitat	No				
Fauna evidence	No				
Site Photos	See Appendix A				
General Comments					
The site has been historically cleared. Native species are present, including *Banksia sessilis* which is foraging resource for Carnaby's cockatoos. Geraldton wax is at higher density at 40-50%. Five individuals of Priority 4 flora species *Jacksonia sericea* was recorded from three locations. Vegetation and clearing footprint mapping are presented in Figure 1.					

Table 3: Mandjoogoordup Drive – Site Inspection Form

Site Inspection Form – Western Environmental					
Date	27 March 2024	**Site Name**	58 – Mandjoogoordap Dr, Mandurah		
Coordinates (GDA2020-Z50)		383606.06, 6403228.63 (meter MGA 2020 Zone 50)		**Portion No.**	5
Environmental Scientist	Lovisa Thambert				
Vegetation present	Yes				
Vegetation description	VT01: Cleared with mainly weeds with no native vegetation present. Isolated landscaping plantings *Agonis flexuosa, Eucalyptus* sp. and one eastern state *Banksia* sp., all small size young age < 3 years. Ground stratum 100% weeds. VT02: *Allocasuarina humilis* mid open shrubland over *Hibbertia hypericoides* low open shrubland over *Patersonia occidentalis* and *Conostylis aculeata* low isolated clumps of sedges. VT03: Non-native vegetation, *Acacia rostellifera* shrubs along the fence line.				
Vegetation condition	Completely Degraded				
Weed percentage cover	75-100%%				
Disturbance	Weeds and cleared.				
Wetland mapped	No				
Is vegetation indicative of wetland vegetation?	No				
Does the condition align with MU/RE/CCW?	N/A				
Black cockatoo foraging habitat	Yes – Tuarts present, no foraging evidence present.				
Black cockatoo roosting habitat	No				
Black cockatoo breeding habitat	No				
Fauna evidence	No				
Site Photos	See Appendix A				
General Comments					
Native species within the site in VT02 are considered native vegetation under the EP Act. One isolated Tuart (*Eucalyptus gomphocephala*) is located at each end of the proposed clearing footprint which may be impacted by underground works. Avoid trimming, root disturbance and removal of the Tuart. The Tuart is not linked to other Tuart patches and therefore not part of a Tuart TEC. Vegetation and clearing footprint mapping are presented in Figure 2.					

Table 4: Secret Harbour – Site Inspection Form

Site Inspection Form – Western Environmental					
Date	23 February 2024	**Site Name**	53 – Secret Harbour, Mandurah		
Coordinates (GDA2020-Z50)		384809.88, 6413971.11 (meter MGA 2020 Zone 50)		**Portion No.**	5
Environmental Scientist	Lovisa Thambert				
Vegetation present	Yes				
Vegetation description	Vegetation within clearing footprint west of the railway, VT01: Native scattered shrubland over weedy herbs and grasses, dead *Eucalyptus gomphocephala* (Tuart) present with some hollows <10 cm. One larger broken off branch but appears not to have developed a hollow. One hollow occupied by bees. No upper stratum. Mid stratum included scattered *Acacia cochlearis, Acacia rostellifera, Hypocalymma* sp., *Kunzea glabrescens* and *Narrowleaf cottonbush (Declared Pest), over weedy grasses and *Scaevola crassifolia*. One *Eucalyptus* sp. seedling. Outside of clearing extent: Parkland cleared, open woodland of *Eucalyptus gomphocephala* (Tuart) 20-40% canopy cover. No native mid or ground stratum present, ground is weedy grasses. Vegetation east of the railway: *Narrowleaf Cottonbush (Declared Pest) and **Schinus terebinthifolia* over scattered **Asphodelus fistulosus*, *Lepidosperma longitudinale* and dead weedy grasses.				
Vegetation condition	Completely Degraded				
Weed percentage cover	70-90%				
Disturbance	Weeds and historic clearing				
Wetland mapped	No				
Is vegetation indicative of wetland vegetation?	No				
Does the condition align with MU/RE/CCW?	N/A				
Black cockatoo foraging habitat	Yes – Tuarts present, no foraging evidence				
Black cockatoo roosting habitat	No				
Black cockatoo breeding habitat	No				
Fauna evidence	No				
Site Photos	See Appendix A				

Site Inspection Form – Western Environmental
General Comments
<u>West of railway</u> **Within clearing extent:** VT01 – Native scattered shrubland over weedy herbs and grasses, tall closed grassland; one dead Tuart with hollows of an unsuitable size to be used for black cockatoo breeding activities. Scattered native shrubs, considered native vegetation under the EP Act. See Figure 3. **North of clearing extent:** Parkland cleared with an overstory of Tuarts. Likely satisfy the criteria for Tuart TEC as the Tuarts in the impact area is <60 m to an intact Tuart woodland >5 ha. Removal or pruning of Tuart is recommended to be avoided. **<u>East of railway</u>** **Within Clearing Extent:** VT02 - Open patch with mainly weeds. Narrow leaf cotton bush (DP) and Japanese pepper. Just outside footprint native sedges and a few native shrubs. **Outside of Clearing Extent:** VT03 – Landscaping mix, Regrowth since 2000 Outside the clearing footprint was Tuart woodland with 50% canopy cover over **Schinus terebinthifolia* bushes and other weeds. Likely satisfy the criteria for Tuart TEC, removal or pruning of Tuart is recommended to be avoided. Vegetation and clearing footprint mapping are presented in Figure 3.

Table 5: Canning Bridge Station – Site Inspection Form

Site Inspection Form – Western Environmental					
Date	23 February 2024	**Site Name**	32 – Canning Bridge Station, Mandurah		
Coordinates (GDA2020-Z50)		391931.92, 6457826.36 (meter MGA 2020 Zone 50)		**Portion No.**	3
Environmental Scientist	Lovisa Thambert				
Vegetation present	Yes				
Vegetation description	Vegetation within clearing footprint: Around Monopole location: VT02: Weedy and native open shrubland over bare ground. Dominant shrubs include Geraldton wax (*Chamelaucium uncinatum*), *Callitris* sp., *Calothamnus quadrifidus* and *Banksia menziesii* within 10 m radius from the point. Non-native **Eucalyptus* sp., scattered shrubs of *Hakea* sp., *Grevillea* sp., *Callitris* sp. over weedy grasses. VT01: Planted Geraldton wax along Canning Bridge ramp. Outside clearing footprint: One Tuart (*Eucalyptus gomphocephala*) to the north of the clearing footprint, One Marri tree (*Corymbia calophylla*) adjacent to southern boundary.				
Vegetation condition	Degraded				
Weed percentage cover	75-100%%				
Disturbance	Historical clearing, non-native species and invasive weeds				
Wetland mapped	No				
Is vegetation indicative of wetland vegetation?	No				
Does the condition align with MU/RE/CCW?	N/A				
Black cockatoo foraging habitat	No				
Black cockatoo roosting habitat	Yes – Limited to one isolated Tuart tree and one Marri tree outside clearing footprint				
Black cockatoo breeding habitat	Yes – Potential breeding habitat limited to one isolated Tuart tree and one Marri tree; no hollows present				
Fauna evidence	No				
Site Photos	See Appendix A				
General Comments					
One isolated Tuart (*Eucalyptus gomphocephala*) in the north of the Site, likely planted. Avoid impact on Tuart if possible. Tuart is not linked to other Tuart patches and therefore not part of a Tuart TEC. Vegetation within the clearing footprint is partially native. Regrowth since 1981. Vegetation and clearing footprint mapping are presented in Figure 4.					

Figure 1: Joondalup Tunnel 3 #77- Biological Assessment

0 5 10 15 20 m

N

PROJECT/REPORT NAME	Environmental Site Assessment Joondalup Tunnel 3
SCALE	1:337
SHEET SIZE	A3 COLOUR
CLIENT	UGL Engineering Pty Limited
COORDINATE REFERENCE SYSTEM	GDA2020 / MGA zone 50
PROJECT NUMBER	P22.100
VERSION	0
DATA SOURCE	LANDGATE AERIAL IMAGERY Summer 2023
DRAWN BY / REVIEWED BY	MD/JB
DATE	2/4/2024

Legend

- Joondalup Tunnel 3 Site #77
- Cadastre (No Attributes) (LGATE-001)
- VT01 – Revegetation and Potential Natural Recruitment Species Mix - Regrowth since 1995
- Jacksonia sericea (P4)
- Clearing Extent

No	Description	Drawn	Approved	Date
A	Original issue	MD	JB	2/4/2024

NOTES:

Cadastral boundary from LANDGATE 2022. Label corresponds to the vegetation association number.

WESTERN ENVIRONMENTAL

Western Environmental Pty Ltd
08 6244 2310 | enquiries@westenv.com.au
Level 3/25 Prowse St, West Perth WA 6005
westenv.com.au

G:\GIS\Project Data\22.100\20230821_Bio\P22.100.qgz

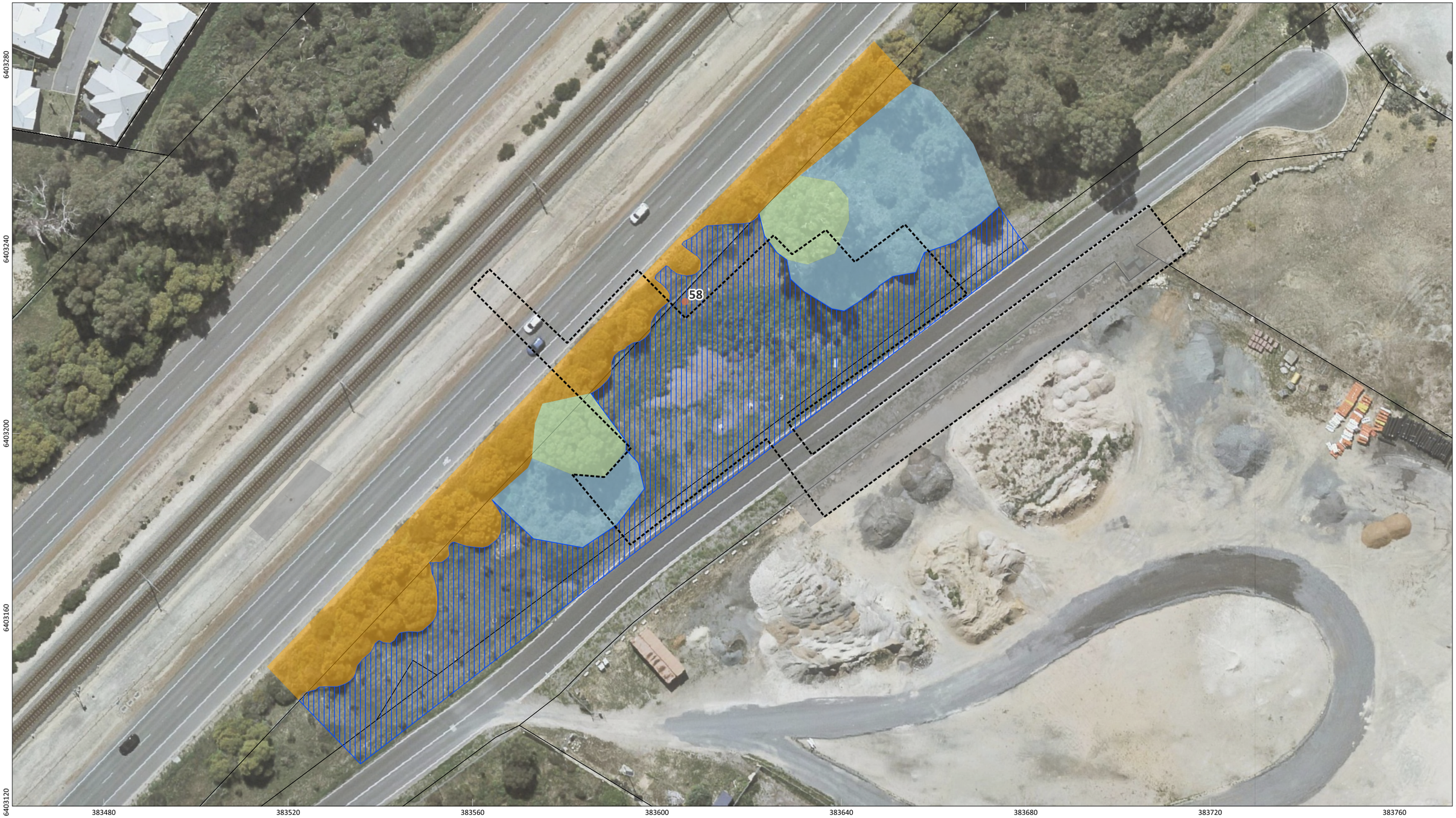

Figure 2: Mandjoogoordup Dr #58 – Biological Assessment

N

0 12 24 36 48 m

SCALE: 1:802	SHEET SIZE: A3 COLOUR	PROJECT/REPORT NAME: Environmental Site Assessment Mandjoogoordup Dr	
		CLIENT: UGL Engineering Pty Limited	
COORDINATE REFERENCE SYSTEM: GDA2020 / MGA zone 50		PROJECT NUMBER: P22.100	VERSION: 0
DATA SOURCE: LANDGATE AERIAL IMAGERY Summer 2023		DRAWN BY / REVIEWED BY: MD/JB	DATE: 5/4/2024

Legend

- Mandjoogooradp Dr Site #58
- Cadastre (No Attributes) (LGATE-001)
- Tuart tree
- VT01 – Revegetation mix, isolated Agonis flexuosa and non-native species
- VT02 - Allocasuarina humilis mid open shrubland over Hibbertia hypericoides low open shrubland
- VT03 – Non-native vegetation
- Cleared areas – not native vegetation
- Mandjoogoordap Drive Clearing Extent

No	Description	Drawn	Approved	Date
A	Original issue	MD	JB	5/4/2024

NOTES:

Cadastral boundary from LANDGATE 2022. Label corresponds to the vegetation association number.

WESTERN ENVIRONMENTAL

Western Environmental Pty Ltd
08 6244 2310 | enquiries@westenv.com.au
Level 3/25 Prowse St, West Perth WA 6005
westenv.com.au

G:\GIS\Project Data\22.100\20230821_Bio\P22.100.qgz

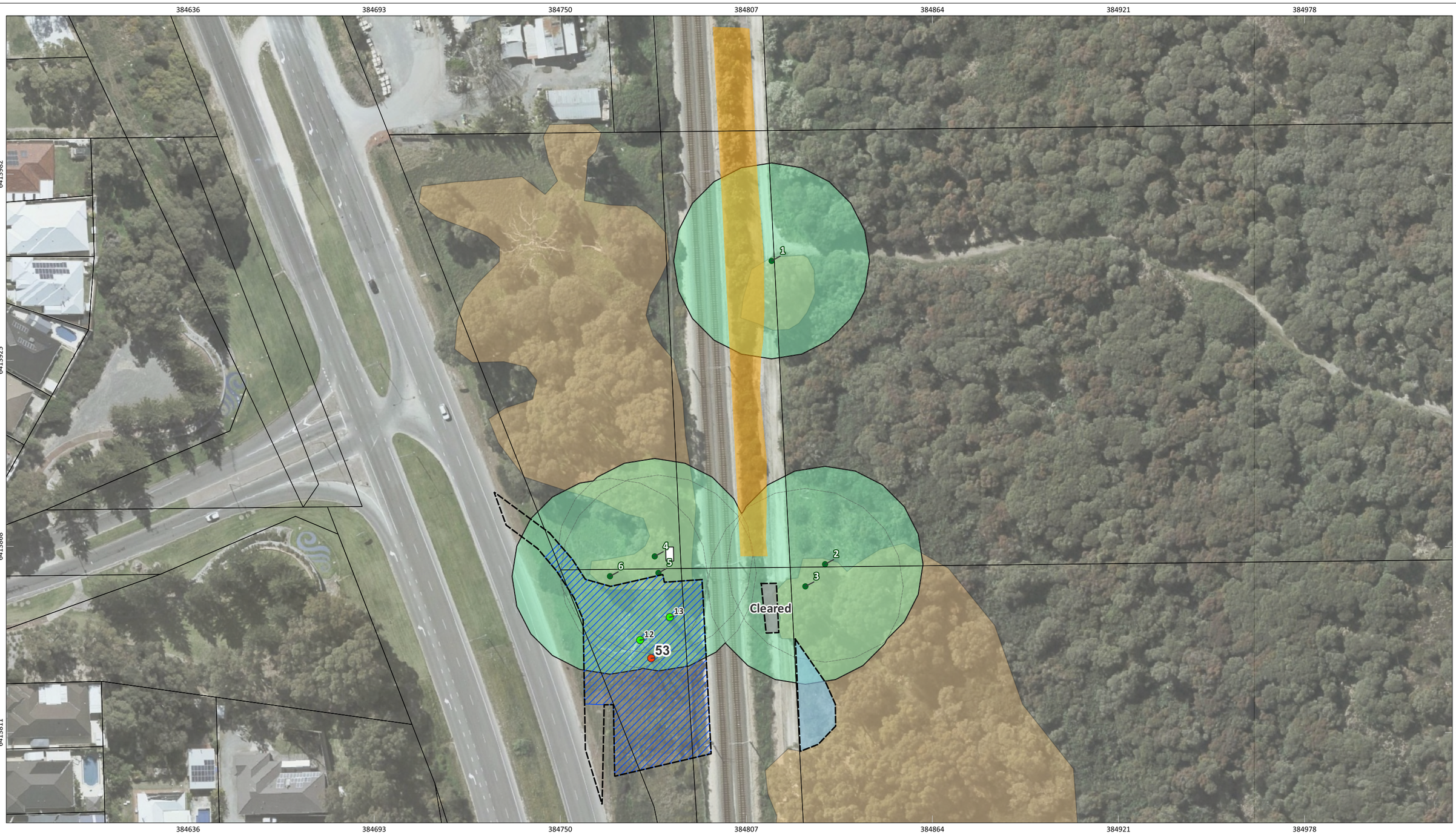

Figure 3: Secret Harbour #53- Biological Assessment

N; 0 17 34 51 68 m		PROJECT/REPORT NAME: Environmental Site Assessment Secret Harbour	
SCALE: 1:1,138	SHEET SIZE: A3 COLOUR	CLIENT: UGL Engineering Pty Limited	
COORDINATE REFERENCE SYSTEM: GDA2020 / MGA zone 50		PROJECT NUMBER: P22.100	VERSION: 0
DATA SOURCE: LANDGATE AERIAL IMAGERY Summer 2023		DRAWN BY / REVIEWED BY: MD/JB	DATE: 5/4/2024

Legend

- Secret Harbour Site #53
- Cadastre (No Attributes) (LGATE-001)
- Secret Harbour Clearing Extent
- Proposed New WP Pillar, SMSB & Iso/Tx
- 30m Buffer
- Commonwealth TEC Tuart Woodlands and Forests (as per DSEWPaC 2018)
- Estimated Tuart Woodland TEC Patch
- Tuart
- Dead Tuart
- VT01 - Native scattered shrubland over weedy herbs and grasses, tall closed grassland
- VT02 – Open patch of non-native vegetationy, scattered Lepidosperma longitudinale on the edge
- VT03 - Landscaping mix, Regrowth since 2000
- Cleared

No	Description	Drawn	Approved	Date
A	Original issue	MD	JB	5/4/2024

NOTES:

Cadastral boundary from LANDGATE 2022. Label corresponds to the vegetation association number.

WESTERN ENVIRONMENTAL
Western Environmental Pty Ltd
08 6244 2310 | enquiries@westenv.com.au
Level 3/25 Prowse St, West Perth WA 6005
westenv.com.au

G:\GIS\Project Data\22.100\20230821_Bio\P22.100.qgz

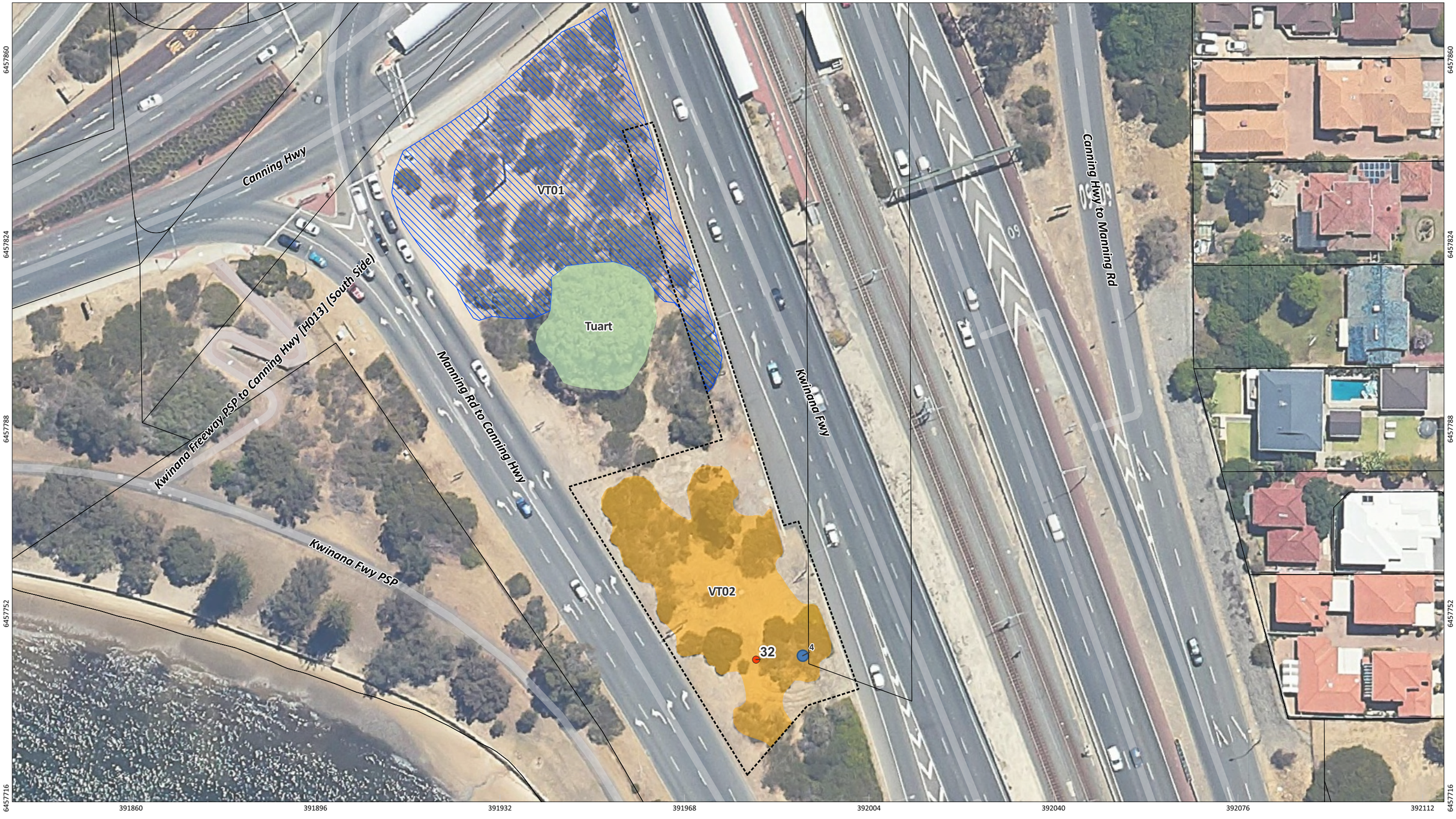

Figure 4: Canning Bridge Station #32 – Biological Assessment

N

0 10 20 30 40 m

PROJECT/REPORT NAME	Environmental Site Assessment Canning Bridge Station
SCALE	1:717
SHEET SIZE	A3 COLOUR
CLIENT	UGL Engineering Pty Limited
COORDINATE REFERENCE SYSTEM	GDA2020 / MGA zone 50
PROJECT NUMBER	P22.100
VERSION	0
DATA SOURCE	LANDGATE AERIAL IMAGERY Summer 2023
DRAWN BY / REVIEWED BY	MD/JB
DATE	5/4/2024

Legend

- Canning Bridge Station #32
- Banksia tree
- Clearing Extent
- Cadastre (No Attributes) (LGATE-001)

Vegetation

- VT01 – Not Native Vegetation
- VT02 – Landscape mix and regrowth since 1981
- Eucalyptus gomphocephala (Tuart) Tree

No	Description	Drawn	Approved	Date
A	Original issue	MD	JB	5/4/2024

NOTES:

Cadastral boundary from LANDGATE 2022. Label corresponds to the vegetation association number.

WESTERN ENVIRONMENTAL

Western Environmental Pty Ltd
08 6244 2310 | enquiries@westenv.com.au
Level 3/25 Prowse St, West Perth WA 6005
westenv.com.au

G:\GIS\Project Data\22.100\20230821_Bio\P22.100.qgz

Impact Mitigation Measures

Due to the already existing alignment of the Perth railway system, opportunities to implement mitigation measures were limited for this Project.

For sites where TECs were present or potentially present, the disturbance footprint was adjusted, resulting in no impact to TECs and therefore an overall less significant impact caused by the Project.

At sites were clearing was inevitable, the clearing extent has been limited to areas where clearing is required for site access and the installation of monopoles or WP pillars. No additional clearing is proposed.

Summary of Residual Clearing Impact and Significance Assessment

A summary of the clearing necessitated by the Project is presented in Table 6. The impact significance was assessed in consistence with the EPBC Act *Significant impact guidelines 1.1 – Matters of National Environmental Significance* (DoE, 2013).

Table 6: Clearing Impact for Each Applicable Site

Site	Impacted Vegetation - Description	Clearing Impact (ha)	Significance Assessment under the EPBC Act
Joondalup Tunnel 3	• Mixed native and non-native shrubland, predominately Geraldton Wax (*Chamelaucium uncinatum*), scattered shrubs of *Banksia sessilis* and other native species present. • Regrowth since 1995 and therefore considered native under the EP Act. • The vegetation is in Degraded condition. • Five individuals of *Jacksonia sericea* (P4) are estimated to be removed. • No other Threatened or Priority Flora, TECs or other ESAs will be impacted.	0.10	Not significant
Mandjoogoordap Drive	• VT01 and VT03 are non-native vegetation. • VT02 is regrowth since 2011 and therefore considered native under the EP Act. • The vegetation is in Completely Degraded condition. • Two isolated Tuarts (*Eucalyptus gomphocephala*) are located at each end of the proposed clearing footprint which may be impacted by underground works. The Tuarts have not been identified as part of a Tuart TEC and there will be no impact to canopy or stems. Portions of	0.04	Not significant

Site	Impacted Vegetation - Description	Clearing Impact (ha)	Significance Assessment under the EPBC Act
	the understory will be cleared as per current site reference design. • No TECs, Threatened or Priority Flora or other ESAs will be impacted.		
Secret Harbour	• The vegetation type TV01 within the clearing footprint is comprised by scattered native shrubs over weedy grasses. The following species have been recorded within the clearing footprint as shown in Figure 15: ○ One dead *Eucalyptus gomphocephala* (Tuart) present with some hollows <10 cm. One larger broken off branch but appears not to have developed a hollow. One hollow occupied by bees. ○ Mid stratum *Acacia cochlearis, Acacia cyclops, Hypocalymma sp., ?Kunzea* sp., Narrow leaf cotton bush (DP), over weedy grasses, *Scaevola* sp. • VT01 is considered native under the Environmental Protection Act 1986 (EP Act) as per advice by DWER. • VT02 is located within the clearing footprint and considered non-native vegetation, comprised by weedy understory. • VT03 on the eastern side of the rail corridor is comprised by a landscaping mix and regrowth since 2000. • Tuart Woodland TEC is present adjacent to the clearing extent. • VT01 and VT02 are located within the 60 m buffer of Tuart Woodland TEC. No Tuarts are impacted by the clearing activities. The vegetation within the clearing extent is in Completely Degraded condition. Therefore, the extent and condition of the present Tuart Woodland TEC is not going to be reduced.	0.21	Not significant
Canning Bridge Station	• Vegetation constitutes partially native vegetation, regrowth since 1981 and therefore considered native under the EP Act. • Impacted vegetation is in Degraded condition. • No TECs, Threatened or Priority Flora or other ESAs will be impacted.	0.12	Not significant

Site	Impacted Vegetation - Description	Clearing Impact (ha)	Significance Assessment under the EPBC Act
Total	• Impacted vegetation is in Good to Completely Degraded condition: ○ Degraded – 0.22 ha. ○ Completely Degraded – 0.25 ha. • 5 individuals of *Jacksonia sericea* (P4) are estimated to be impacted. • No other Threatened or Priority Flora, TECs or other ESAs will be impacted.	**0.47**	Not significant

Conclusions

The Project however necessitates clearing of 0.47 ha of native vegetation and the potential removal of five individuals of one Priority 4 Flora species (*Jacksonia sericea*). It therefore appears to require a NVCP.

This report should be read in conjunction with the Schedule - Statement of Limitations. Should you have any queries regarding the above, please contact the undersigned on (08) 6162 8980.

Yours sincerely,
Western Environmental Approvals Pty Ltd

Dale Newsome
Director

Schedule

- Statement of Limitation

Appendices

- Appendix A: Site Photos

SCHEDULE Statement of Limitation

Statement of Limitations

Copyright Statement

Scope of Services

This environmental report ("this report") has been prepared for the sole benefit and exclusive use of the Client for the purpose for which it was prepared in accordance with the agreement between the Client and WEPL ("the Agreement"). However, in addressing the requirements of the Contaminated Sites Act 2003, an Accredited Contaminated Sites Auditor may be engaged by the Client to undertake review of this report, prior to its submission to the DWER. The report shall be made available and can be relied upon for the purposes of the Contaminated Sites Act.

WEPL disclaims any and all liability with respect to any use of or reliance upon this report for any other purpose whatsoever.

In particular, it should be noted that this report is based on a scope of services defined by the Client, and is limited by budgetary and time constraints, the information supplied by the Client (and its agents) and, in some circumstances, access and/or site disturbance constraints.

The scope of services did not include any assessment of the title to or ownership of the properties, buildings and structures referred to in this report, or the application or interpretation of laws in the jurisdiction in which those properties, buildings and structures are located.

Reliance on Data

In preparing this report, WEPL has relied on data, surveys, analyses, designs, plans and other information provided by the Client (or its agents), other individuals and organisations ("the data").

Except as otherwise stated in this report, WEPL has not verified the accuracy or completeness of the data. WEPL does not represent or warrant that the data is true or accurate, and disclaims any and all responsibility or liability with respect to the use of the data.

To the extent that the statements, opinions, facts, information, conclusions and/or recommendations in this report ("conclusions") are based in whole or part on the data, those conclusions are contingent upon the accuracy and completeness of the data.

WEPL does not accept any responsibility or liability for any incorrect or inaccurate conclusions should any data be incorrect, inaccurate or incomplete or have been concealed, withheld, misrepresented or otherwise not fully disclosed to WEPL.

The conclusions must also be considered in light of the agreed scope of services (including any constraints or limitation therein) and the methods used to carry out those services, both of which are as stated or referred to in this report.

Environmental Conclusions

In accordance with the scope of services, WEPL has conducted environmental field monitoring and/or testing in the preparation of this report. The nature and extent of monitoring and/or testing conducted is described in this report.

On all sites, varying degrees of non-uniformity of vertical and horizontal conditions in media (soil, water, air, waste or other media as described in the report) are encountered. Hence no monitoring, common testing or sampling technique can eliminate the possibility that monitoring or testing results/samples are not totally representative of media conditions encountered. The conclusions are based on the data and the environmental field monitoring and/or testing actually undertaken, and are therefore merely indicative of the environmental condition of the site at the time of preparing this report, including the presence or otherwise of contaminants or emissions. It should be recognised that site conditions, including the extent and concentration of contaminants, can change.

Within the limitations imposed by the scope of services, the monitoring, testing, sampling and preparation of this report have been undertaken and performed in a professional manner, in accordance with generally accepted practices and using a degree of skill and care ordinarily exercised by reputable environmental consultants under similar circumstances. To the maximum extent permitted by law, no other warranty, express or implied, is made.

Report for Benefit of Client

This report is confidential. Neither the whole nor any part of this report, or any copy or extract thereof, may be disclosed or otherwise made available to any third party without the prior written approval of WEPL.

WEPL accepts no liability or responsibility whatsoever in respect of any use of or reliance upon this report, by any person or organisation who is not a party to the Agreement. Reliance on this report by any person who is not a party to the Agreement is expressly prohibited. Any representation in this report is made only to the parties to the Agreement.

WEPL assumes no responsibility and disclaims any and all liability to any other person or organisation for or in relation to any matter dealt with or conclusions expressed in this report, or for any loss or damage suffered by any other person or organisation arising from matters dealt with or conclusions expressed in this report (including without limitation matters arising from any negligent act or omission of WEPL or for any loss or damage suffered by any other party using or relying on the matters dealt with or conclusions expressed in this report, even if WEPL has been advised of the possibility of such use or reliance).

Other parties should not rely on this report or the accuracy or completeness of any conclusions contained in this report, and should make their own enquiries and obtain independent advice in relation to such matters.

If an Auditor is engaged by the Client to undertake review of this report, it shall be made available subject to the terms and conditions of the agreement between the Client and WEPL and the caveats in this statement.

Other Limitations

This report is intended to be read in its entirety, and sections or parts of this report should therefore not be read and relied on out of context.

WEPL will not be liable to update or revise this report to take into account any events or circumstances or facts becoming apparent after the date of this report.

References

Department of the Environment (DoE). (2013). *Significant impact guidelines 1.1 – Matters of National Environmental Significance.* Accessed on 1 November from https://www.dcceew.gov.au/sites/default/files/documents/nes-guidelines_1.pdf

Metronet. (2023). *High Capacity Signalling: Radio Systems Replacement Fact Sheet*. Retrieved on 1 November 2023 from https://metronet.wa.gov.au/Portals/31/Project%20Documents/High%20Capacity%20Signalling/Radio%20Systems%20Replacement%20Fact%20Sheet.pdf.

Appendix A

Site Photos

Photo 1	Joondalup Tunnel 3	Date: 14 March 2024

Description: Vegetation within clearing footprint – Southeast boundary.

Photo 2	Joondalup Tunnel 3	Date: 14 March 2024

Description: Vegetation within clearing footprint – Northern corner.

Photo 3	Mandjoogoordap Drive	Date: 17 July 2023

Description: Vegetation within proposed monopole fold direction (VT01)

Photo 4	Mandjoogoordap Drive	Date: 17 July 2023

Description: Vegetation within VT02 patch

Photo 5	Secret Harbour	Date: 17 July 2023

Description: Vegetation east of the railway

Photo 6	Secret Harbour	Date: 17 July 2023

Description: Vegetation west of the railway

Photo 7	Canning Bridge Station	Date: 7 July 2023

Description: Vegetation within proposed monopole fold direction