

Vegetation condition

Completely degraded

Completely degraded (planted)

Cleared

Local and regional roads

Coord. Sys. GDA 1994 MGA Zone 50



VEGETATION CONDITION

Job No: 58540

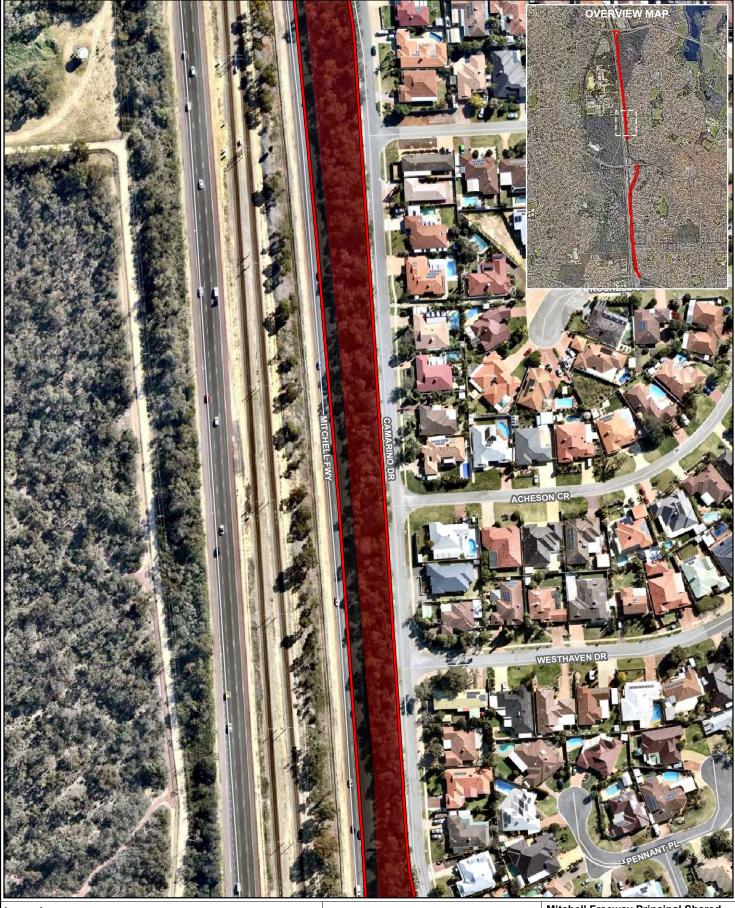
Client: Main Roads

FIGURE 5

PAGE 4 of 12

Version: A Date: 12-Feb-2021 Drawn By: hsullivan Checked By: CT







Vegetation condition

Completely degraded (planted)

Cleared

Local and regional roads

Scale 1:2,000 at A4	0	25	50
		metres	
Coord. Sys. GDA 1994 M	GA Zone	e 50	\bigcirc

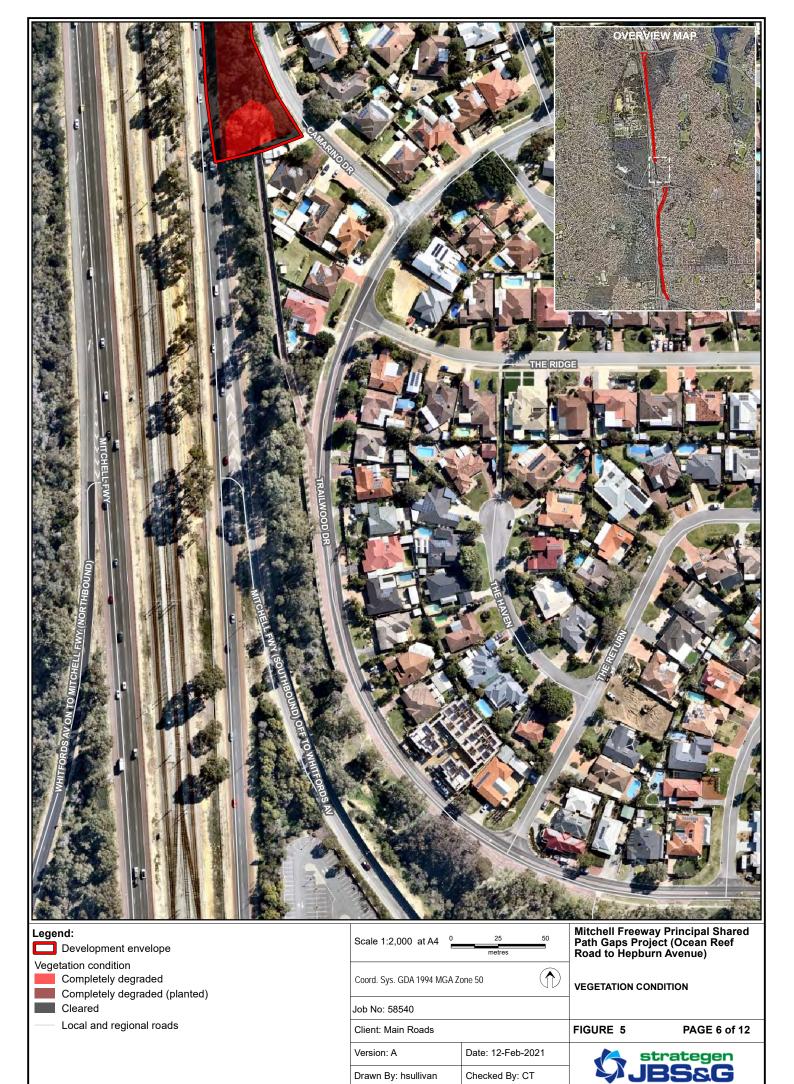
Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)

Job No: 58540 Client: Main Roads

Version: A Date: 12-Feb-2021 Drawn By: hsullivan Checked By: CT

FIGURE 5 PAGE 5 of 12 strategen JBS&G

VEGETATION CONDITION



Drawn By: hsullivan

Checked By: CT



Vegetation condition

Good

Degraded

Degraded to completely degraded

Completely degraded

Completely degraded (planted)

Cleared

Local and regional roads



Coord. Sys. GDA 1994 MGA Zone 50

VEGETATION CONDITION

Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)

Job No: 58540

Client: Main Roads

FIGURE 5

PAGE 7 of 12

Version: A Date: 12-Feb-2021

Drawn By: hsullivan Checked By: CT





Vegetation condition

Degraded to completely degraded

Completely degraded

Completely degraded (planted)

Cleared

Local and regional roads

Scale 1:2,000 at A4	0	25	50
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		metres	
			$\overline{}$

Coord. Sys. GDA 1994 MGA Zone 50

Job No: 58540

Client: Main Roads

Version: A Date: 12-Feb-2021 Drawn By: hsullivan Checked By: CT

Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)

VEGETATION CONDITION

FIGURE 5 PAGE 8 of 12







Vegetation condition

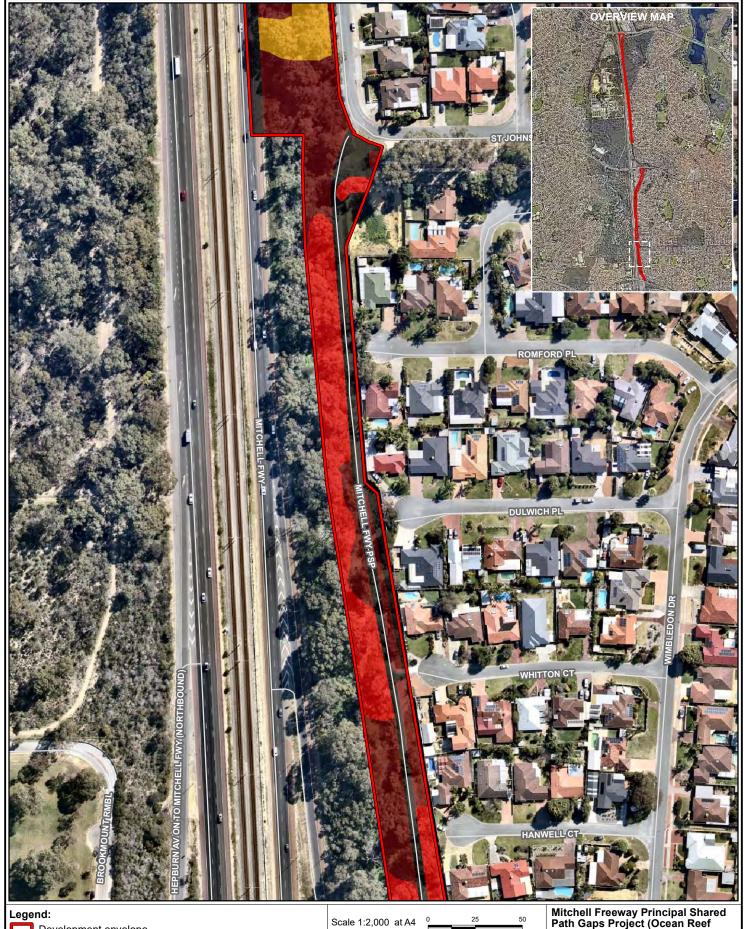
Degraded to completely degraded

Completely degraded

Completely degraded (planted)

Cleared

,,,,,	metres	Road to Hepburn	
Coord. Sys. GDA 1994 MGA Z	one 50	VEGETATION CONI	DITION
Job No: 58540			
Client: Main Roads		FIGURE 5	PAGE 10 of 12
Version: A	Date: 12-Feb-2021		rategen
Drawn By: hsullivan	Checked By: CT		35&G



Vegetation condition

Degraded to completely degraded

Completely degraded

Completely degraded (planted)

Cleared

50di6 1.2,000 dt711	metres	Road to Hepburn	
Coord. Sys. GDA 1994 MGA 2	Zone 50	VEGETATION COND	DITION
Job No: 58540			
Client: Main Roads		FIGURE 5	PAGE 11 of 12
Version: A	Date: 12-Feb-2021	st.	rategen
Drawn By: hsullivan	Checked By: CT		3S&G



Vegetation condition

Completely degraded

Completely degraded (planted)

Cleared

Scale 1:2,000 at A4	metres	Path Gaps Project Road to Hepburn	
Coord. Sys. GDA 1994 MGA Zo	one 50	VEGETATION CONDI	TION
Job No: 58540			
Client: Main Roads		FIGURE 5	PAGE 12 of 12
Version: A	Date: 12-Feb-2021	str	rategen
Drawn By: hsullivan	Checked By: CT	₩JE	S&G

Figure 6 – Tuart TEC



Woodvale Nature Reserve

EPBC Tuart woodlands and forests of the Swan Coastal Plain

TP12

Local and regional roads

cale 1:5,000 at A4	0 25 50
	metres

Drawn By: hsullivan

Coord. Sys. GDA 1994 MGA Zone 50

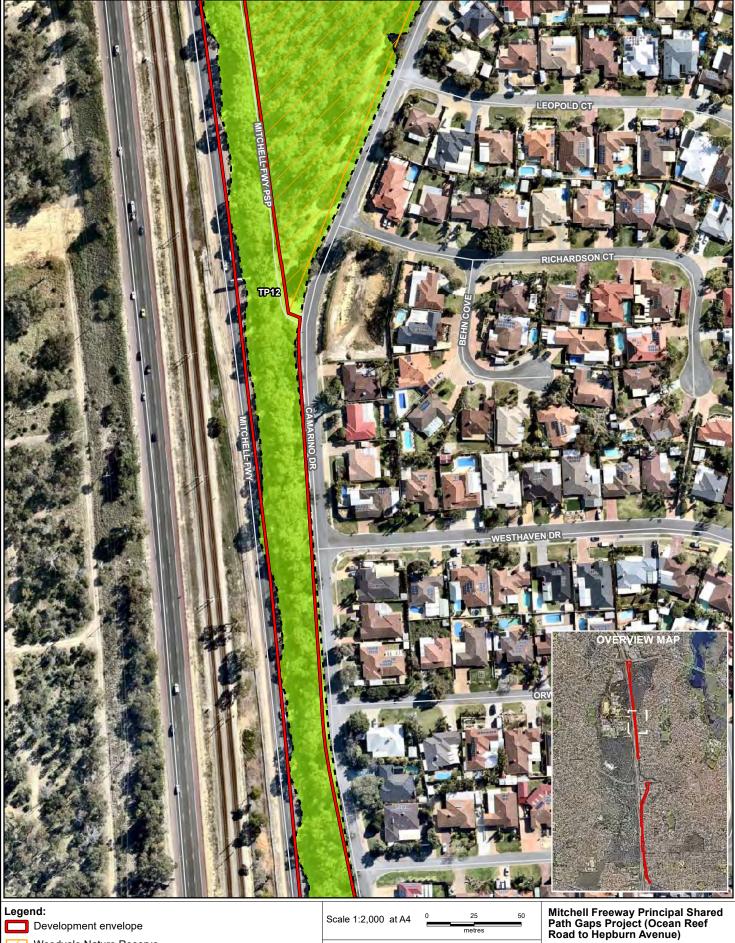
Job No: 58540 Client: Main Roads Date: 16-Feb-2021 Version: A

Checked By: CT

TUART WOODLANDS TEC

FIGURE 6 **PAGE 1 of 10**





Woodvale Nature Reserve

EPBC Tuart woodlands and forests of the Swan Coastal Plain

TP12

Local and regional roads

Scale 1:2,000 at A4	0	25 metres	50

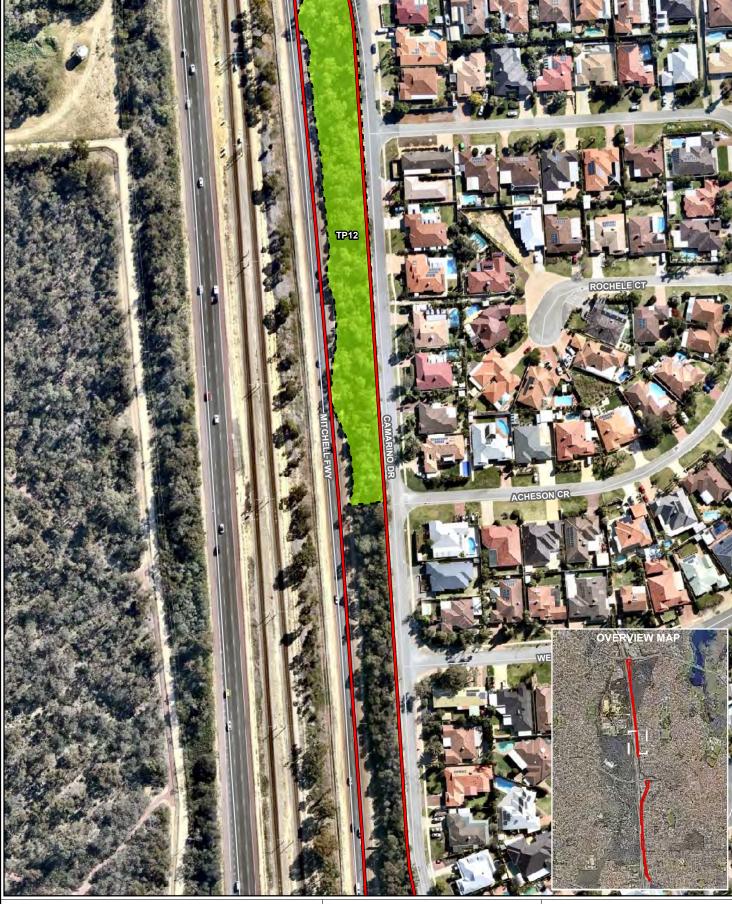
Coord. Sys. GDA 1994 MGA Zone 50

Job No: 58540

TUART WOODLANDS TEC

Client: Main Roads Version: A Date: 16-Feb-2021 Drawn By: hsullivan Checked By: CT







EPBC Tuart woodlands and forests of the Swan Coastal Plain



TP12

Local and regional roads

Scale 1:2,000 at A4	0	25	50
,		metres	

Coord. Sys. GDA 1994 MGA Zone 50

Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)

TUART WOODLANDS TEC

FIGURE 6

Job No: 58540

Client: Main Roads

Version: A Date: 16-Feb-2021 Drawn By: hsullivan Checked By: CT

strategen J**BS&G**

PAGE 3 of 10







EPBC Tuart woodlands and forests of the Swan Coastal Plain



_____ TP20

Local and regional roads

Scale 1:2,000 at A4	0	25	50
,		metres	

Coord. Sys. GDA 1994 MGA Zone 50

Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)

TUART WOODLANDS TEC

Job No: 58540

Client: Main Roads

Version: A Date: 16-Feb-2021 Drawn By: hsullivan Checked By: CT

FIGURE 6 PAGE 5 of 10 strategen J**BS&G**



EPBC Tuart woodlands and forests of the Swan Coastal Plain



_____ TP20

Local and regional roads

Scale 1:2,000 at A4	0	25 metres	50
Coord. Sys. GDA 1994 MG	SA Zone	50	

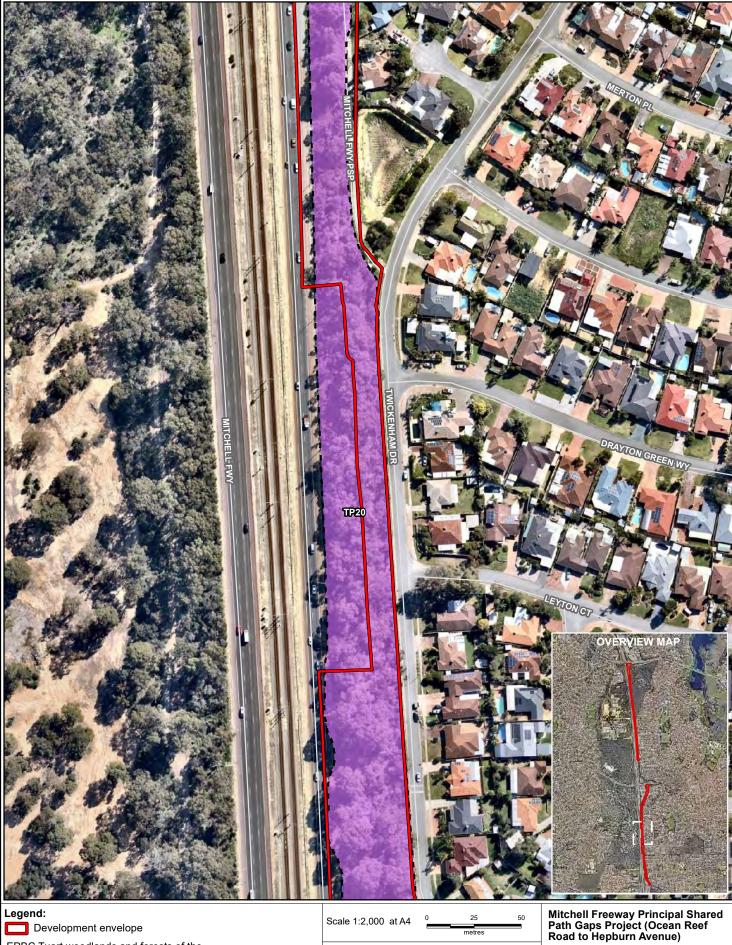
Job No: 58540 Client: Main Roads

Version: A Date: 16-Feb-2021 Drawn By: hsullivan Checked By: CT

FIGURE 6 PAGE 6 of 10

TUART WOODLANDS TEC





EPBC Tuart woodlands and forests of the Swan Coastal Plain



_____ TP20

Local and regional roads

Scale 1:2,000 at A4	0	25 metres	50
			<u> </u>

Coord. Sys. GDA 1994 MGA Zone 50

Job No: 58540

TUART WOODLANDS TEC

FIGURE 6

Version: A Date: 16-Feb-2021 Drawn By: hsullivan Checked By: CT

Client: Main Roads



PAGE 7 of 10



EPBC Tuart woodlands and forests of the Swan Coastal Plain



Local and regional roads

Scale 1:2,000 at A4	0	25	50
20010 1.2,000 01711		metres	

Coord. Sys. GDA 1994 MGA Zone 50

Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)

PAGE 8 of 10

TUART WOODLANDS TEC

FIGURE 6

Job No: 58540

Client: Main Roads

Version: A Date: 16-Feb-2021 Drawn By: hsullivan Checked By: CT

strategen J**BS&G**



EPBC Tuart woodlands and forests of the Swan Coastal Plain



_____ TP20

Local and regional roads

Scale 1:2,000 at A4	0	25	50
3000 1.2,000 00711		metres	

Coord. Sys. GDA 1994 MGA Zone 50

Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)

TUART WOODLANDS TEC

FIGURE 6

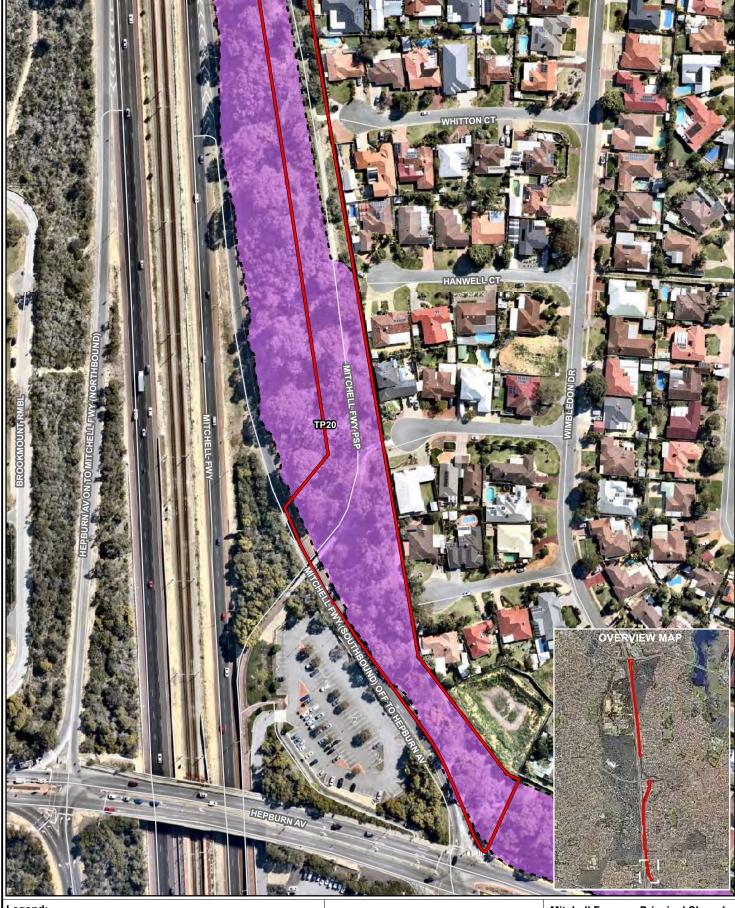
Job No: 58540

Client: Main Roads

Version: A Date: 16-Feb-2021 Drawn By: hsullivan Checked By: CT

strategen J**BS&G**

PAGE 9 of 10



Legend:

Development envelope

EPBC Tuart woodlands and forests of the Swan Coastal Plain



Local and regional roads

Scale 1:2,000 at A4	0	25	50
		metres	

Coord. Sys. GDA 1994 MGA Zone 50

Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)

TUART WOODLANDS TEC

Job No: 58540

Client: Main Roads

Version: A Date: 16-Feb-2021 Drawn By: hsullivan Checked By: CT

FIGURE 6 **PAGE 10 of 10** strategen J**BS&G**

Figure 7 –Tuart TEC – Local Extent

Document No: D21#154527 Page 82 of 105

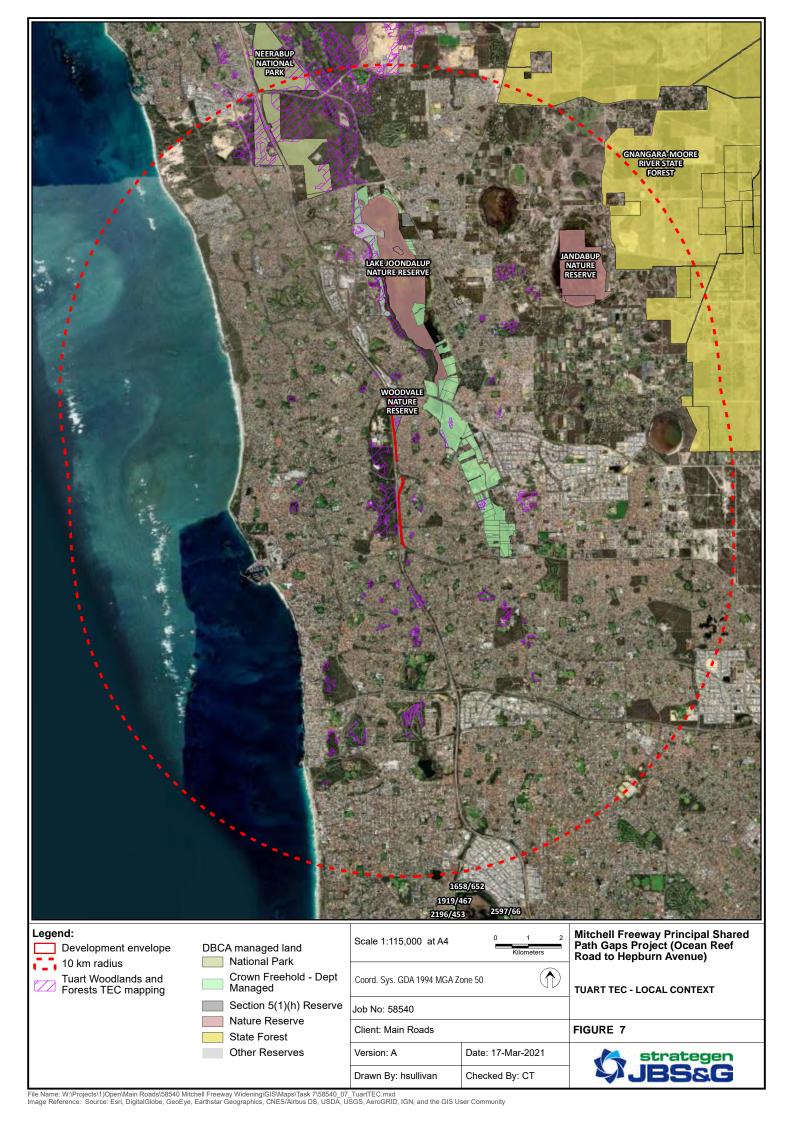
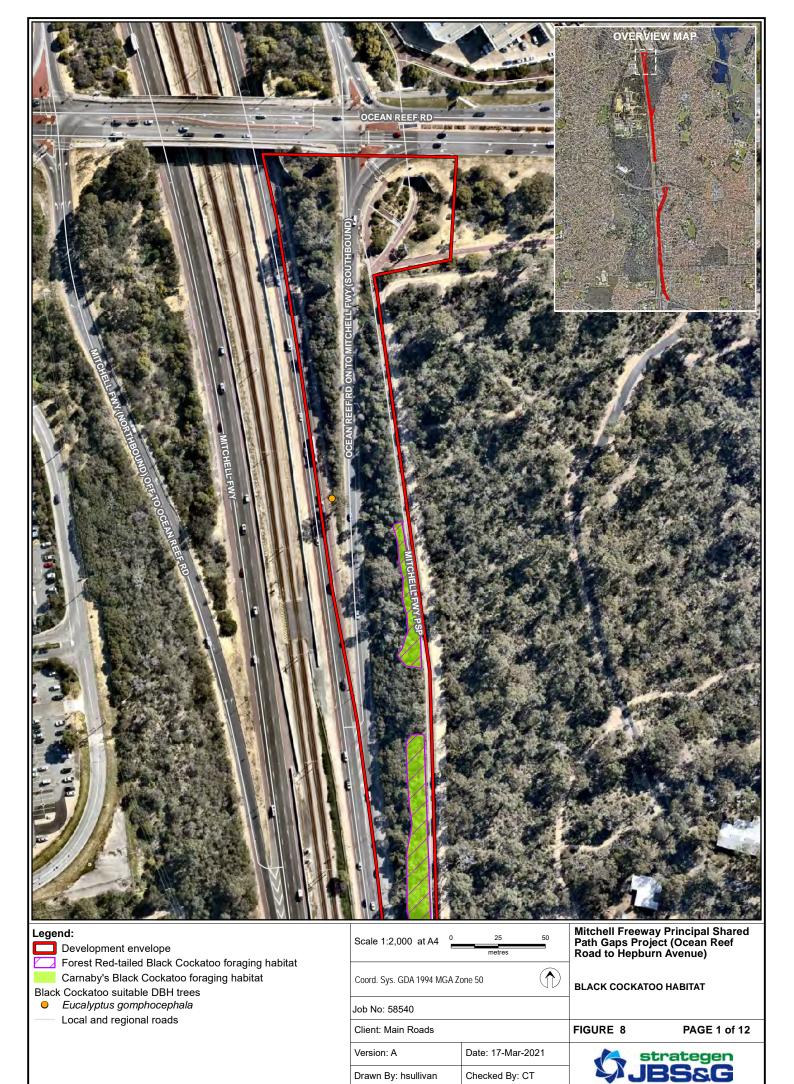


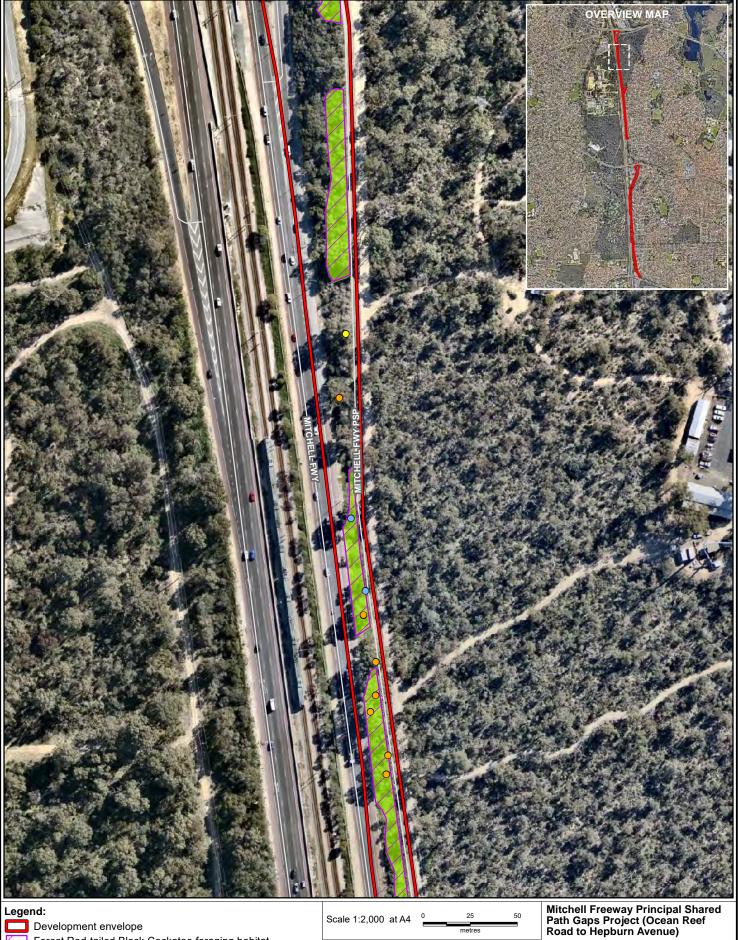
Figure 8 – Black Cockatoo Habitat

Document No: D21#154527 Page 83 of 105



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Checked By: CT





Forest Red-tailed Black Cockatoo foraging habitat Carnaby's Black Cockatoo foraging habitat

Black Cockatoo suitable DBH trees

Corymbia calophylla

Eucalyptus gomphocephala

Eucalyptus marginata

Local and regional roads

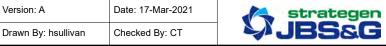
Coord. Sys. GDA 1994 MGA Zone 50 Job No: 58540

Client: Main Roads

BLACK COCKATOO HABITAT

FIGURE 8

PAGE 2 of 12







Forest Red-tailed Black Cockatoo foraging habitat Carnaby's Black Cockatoo foraging habitat

Black Cockatoo suitable DBH trees

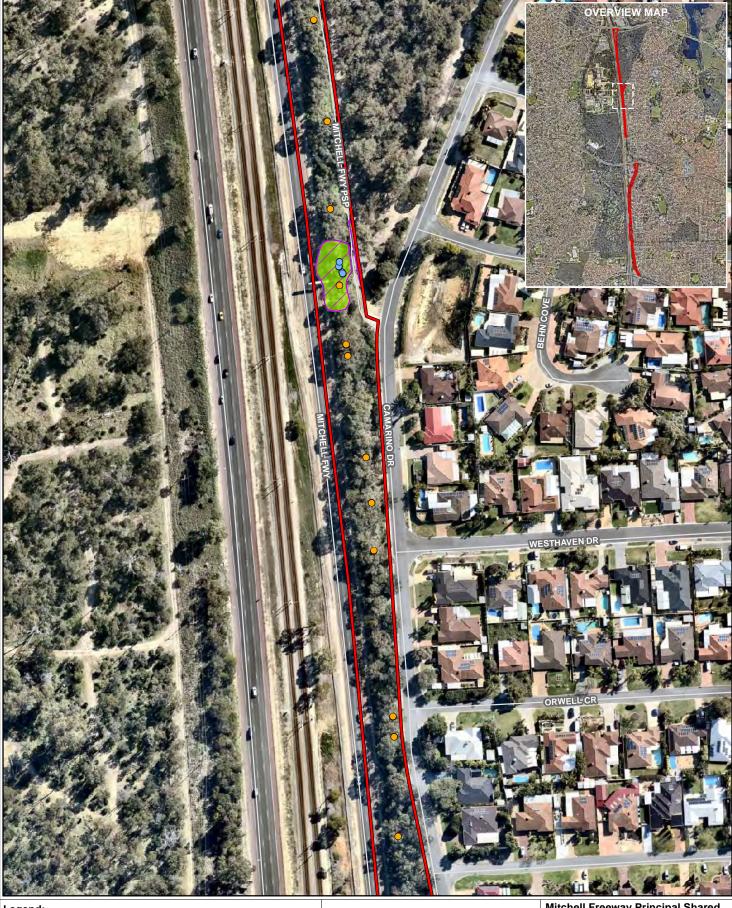
Dead Stag

Eucalyptus gomphocephala

X Habitat tree with potentially suitable hollow

Local and regional roads

Coord. Sys. GDA 1994 MGA Zone 50 BLACK COCKATOO HABITAT Job No: 58540 FIGURE 8 Client: Main Roads **PAGE 3 of 12** Date: 17-Mar-2021 Version: A strategen JBS&G Drawn By: hsullivan Checked By: CT





Forest Red-tailed Black Cockatoo foraging habitat Carnaby's Black Cockatoo foraging habitat

Black Cockatoo suitable DBH trees

Eucalyptus gomphocephala

Eucalyptus marginata

Local and regional roads

Scale 1:2,000 at A4	0	25	50
,		metres	

Coord. Sys. GDA 1994 MGA Zone 50

Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)

BLACK COCKATOO HABITAT

Job No: 58540

Version: A

Client: Main Roads

Date: 17-Mar-2021 Drawn By: hsullivan Checked By: CT

FIGURE 8

PAGE 4 of 12







Development envelope

Local and regional roads

Scale 1:2,000 at A4

Scale 1:2,000 at A4

Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)

BLACK COCKATOO HABITAT

BLACK COCKATOO HABITAT

Client: Main Roads

FIGURE 8

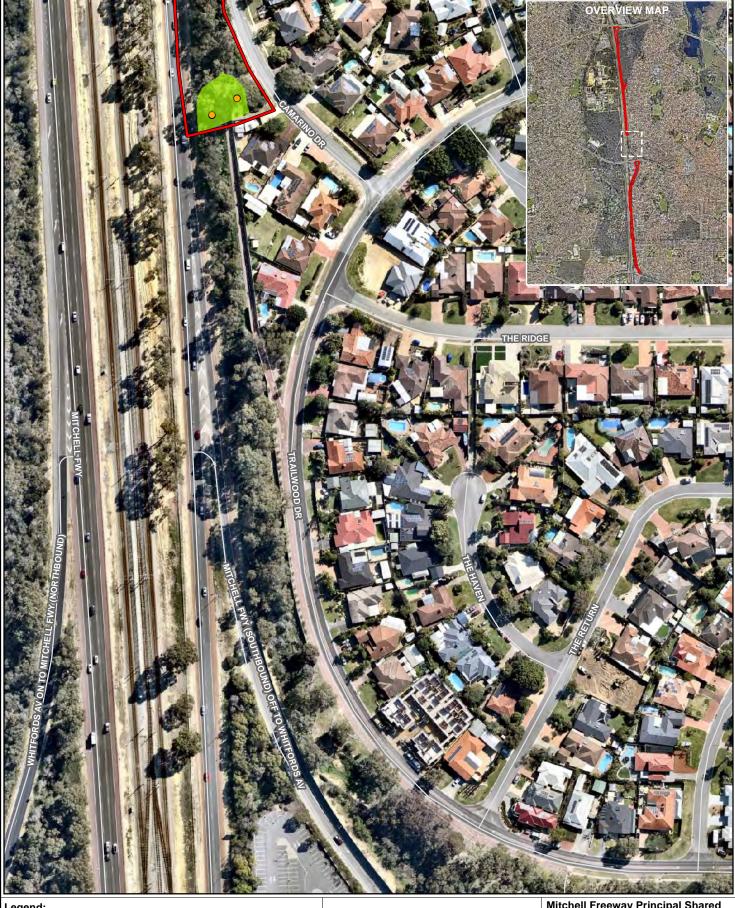
PAGE 5 of 12

Version: A

Date: 17-Mar-2021

Drawn By: hsullivan

Checked By: CT





Carnaby's Black Cockatoo foraging habitat

Black Cockatoo suitable DBH trees

• Eucalyptus gomphocephala

Local and regional roads

Scale 1:2,000 at A4	0	25	50
,		metres	

Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)

Coord. Sys. GDA 1994 MGA Zone 50



BLACK COCKATOO HABITAT

Job No: 58540

Client: Main Roads

FIGURE 8

PAGE 6 of 12

Version: A Date: 17-Mar-2021 Drawn By: hsullivan Checked By: CT







Carnaby's Black Cockatoo foraging habitat

Black Cockatoo suitable DBH trees

Dead Stag

Eucalyptus gomphocephala

Eucalyptus marginata

Local and regional roads

Scale 1:2,000 at A4	0	25	50
,		metres	

Coord. Sys. GDA 1994 MGA Zone 50

Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)

BLACK COCKATOO HABITAT

Job No: 58540

Client: Main Roads

FIGURE 8

PAGE 7 of 12

Version: A Date: 17-Mar-2021

Drawn By: hsullivan Checked By: CT





Carnaby's Black Cockatoo foraging habitat

Black Cockatoo suitable DBH trees

Eucalyptus gomphocephala

Eucalyptus marginata Local and regional roads Scale 1:2,000 at A4 Coord. Sys. GDA 1994 MGA Zone 50 Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)

BLACK COCKATOO HABITAT

Job No: 58540

Drawn By: hsullivan

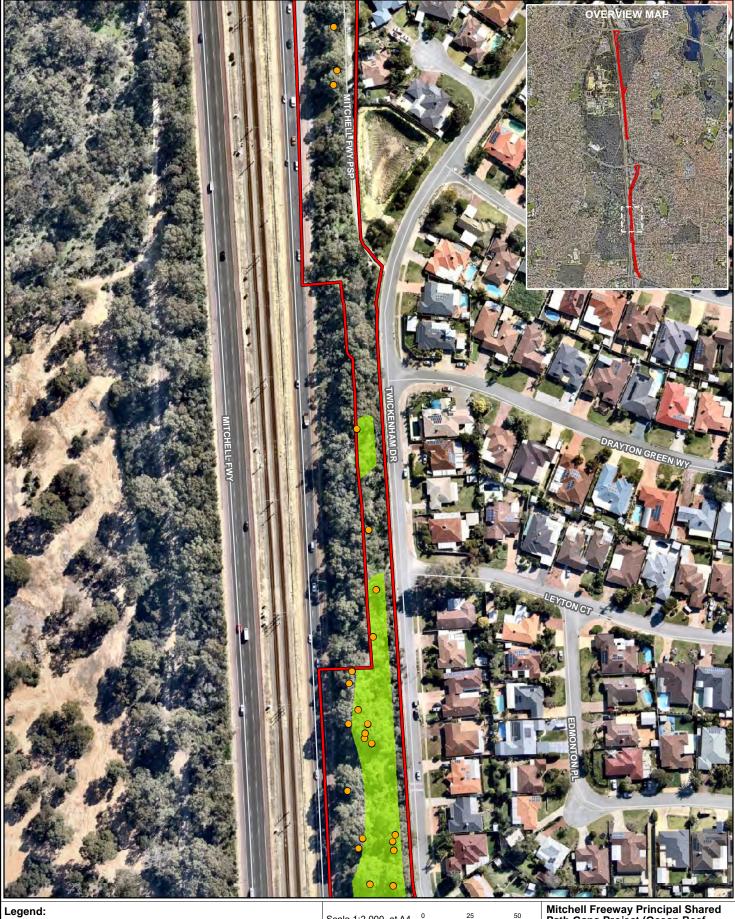
Version: A

Client: Main Roads

Date: 17-Mar-2021 Checked By: CT

FIGURE 8 **PAGE 8 of 12**





Carnaby's Black Cockatoo foraging habitat

Black Cockatoo suitable DBH trees

• Eucalyptus gomphocephala

Local and regional roads

Scale 1:2,000 at A4	0	25	50
		metres	

Coord. Sys. GDA 1994 MGA Zone 50

Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)

BLACK COCKATOO HABITAT

FIGURE 8

Job No: 58540

Version: A

Client: Main Roads

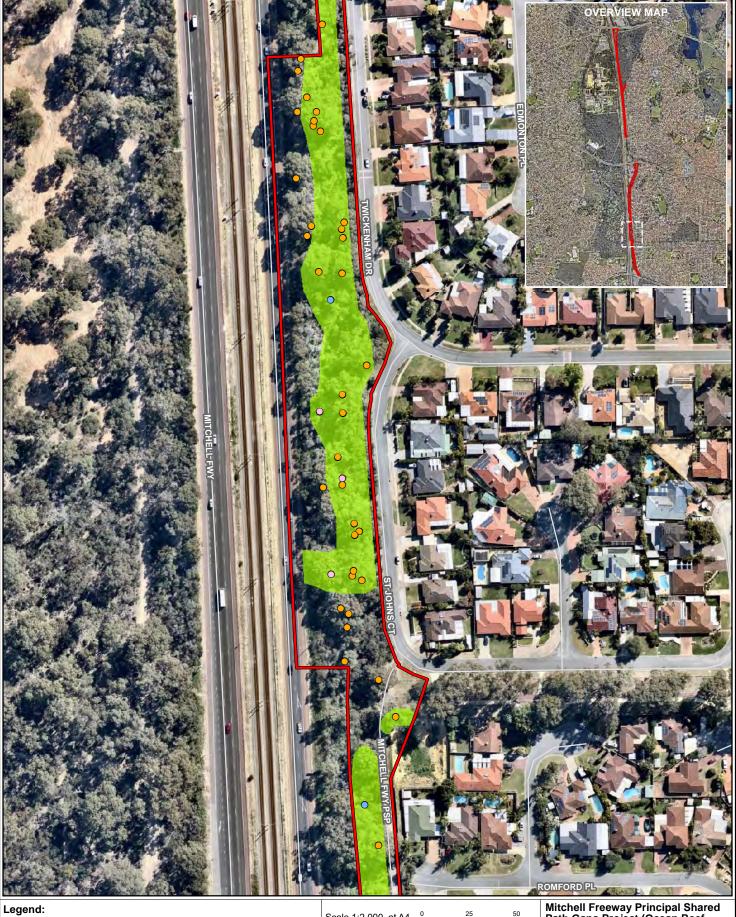
Drawn By: hsullivan

Date: 17-Mar-2021

Checked By: CT

PAGE 9 of 12





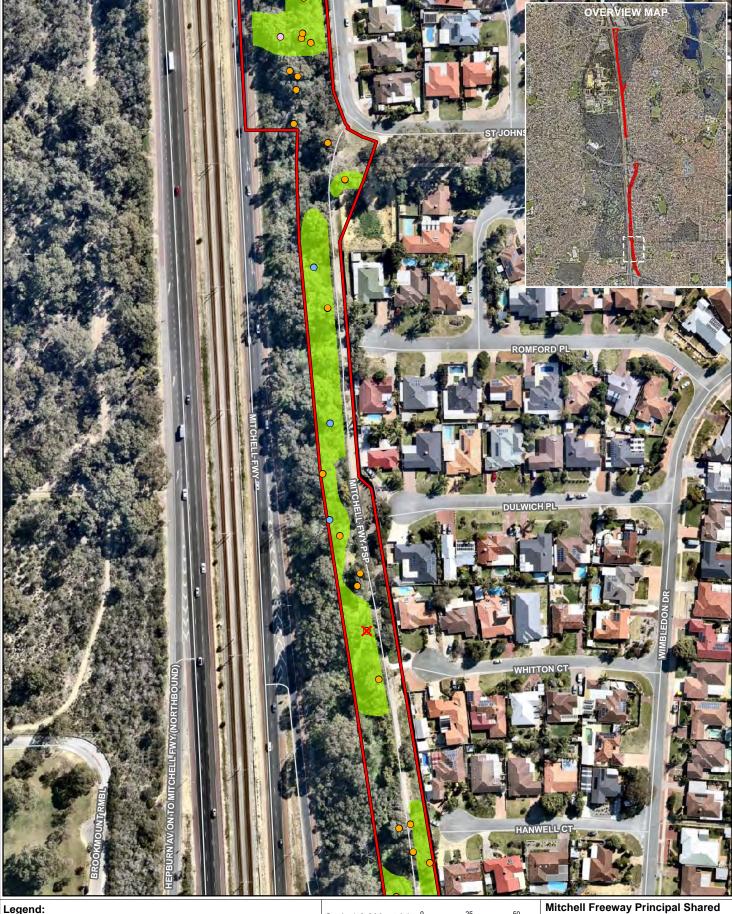
Carnaby's Black Cockatoo foraging habitat

Black Cockatoo suitable DBH trees
O Dead Stag

Eucalyptus gomphocephala

Eucalyptus marginata

Scale 1:2,000 at A4	metres	50	Path Gaps Proje Road to Hepbur	
Coord. Sys. GDA 1994 MGA Zone 50		BLACK COCKATOO HABITAT		
Job No: 58540				
Client: Main Roads			FIGURE 8	PAGE 10 of 12
Version: A	Date: 17-Mar-20	021	/ st	trategen
Drawn By: hsullivan	Checked By: C	Т		35& G



Legend:

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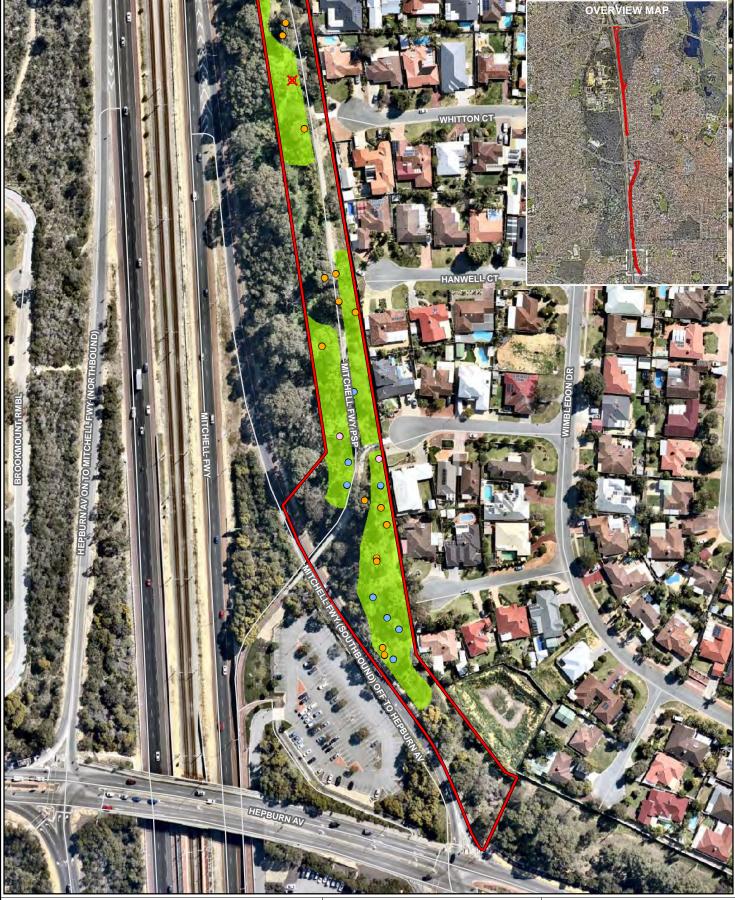
Carnaby's Black Cockatoo foraging habitat

Black Cockatoo suitable DBH trees
O Dead Stag

- Eucalyptus gomphocephala
- Eucalyptus marginata

X Habitat tree with potentially suitable hollow

Scale 1:2,000 at A4 0	25 50 metres	Path Gaps Proje Road to Hepburn	ct (Ocean Reef n Avenue)
Coord. Sys. GDA 1994 MGA Zone 50		BLACK COCKATOO HABITAT	
Job No: 58540			
Client: Main Roads		FIGURE 8	PAGE 11 of 12
Version: A Date: 17-Mar-2021			rategen
Drawn By: hsullivan	Checked By: CT	₹ NJE	35& G



Legend:

Development envelope

Carnaby's Black Cockatoo foraging habitat

Black Cockatoo suitable DBH trees
O Dead Stag

- Eucalyptus gomphocephala
- Eucalyptus marginata

X Habitat tree with potentially suitable hollow

Scale 1:2,000 at A4	25 50 metres	Mitchell Freewa Path Gaps Proje Road to Hepbur	y Principal Shared ect (Ocean Reef n Avenue)
Coord. Sys. GDA 1994 MGA Zone 50		BLACK COCKATOO HABITAT	
Job No: 58540			
Client: Main Roads		FIGURE 8	PAGE 12 of 12
Version: A	Date: 17-Mar-2021	** strategen	
Drawn By: hsullivan	Checked By: CT	₹ NJE	35&G

Figure 9 – Potential Black Cockatoo Habitat – Local Context

Document No: D21#154527 Page 84 of 105

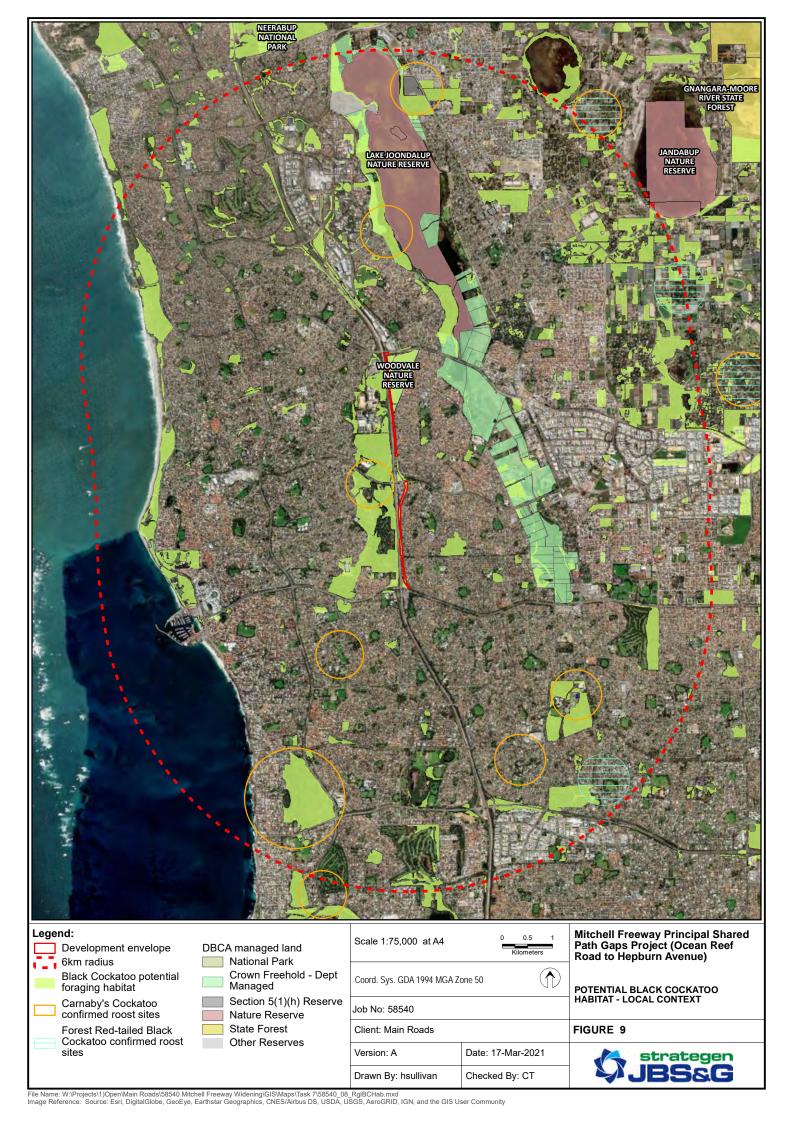
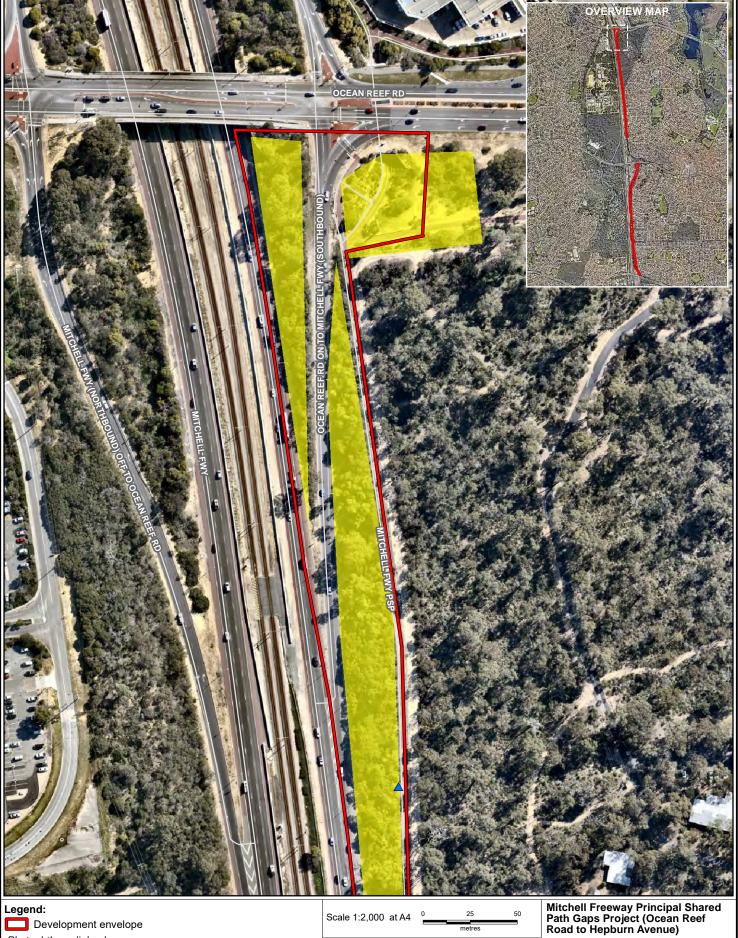


Figure 10 – WoNs and Dieback Occurrence

Document No: D21#154527 Page 85 of 105



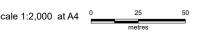
Phytophthora dieback occurrence

Excluded

WoNS and Declared Pests

▲ Moraea flaccida

Local and regional roads



Coord. Sys. GDA 1994 MGA Zone 50

WONS AND DIEBACK OCCURRENCE

Job No: 58540

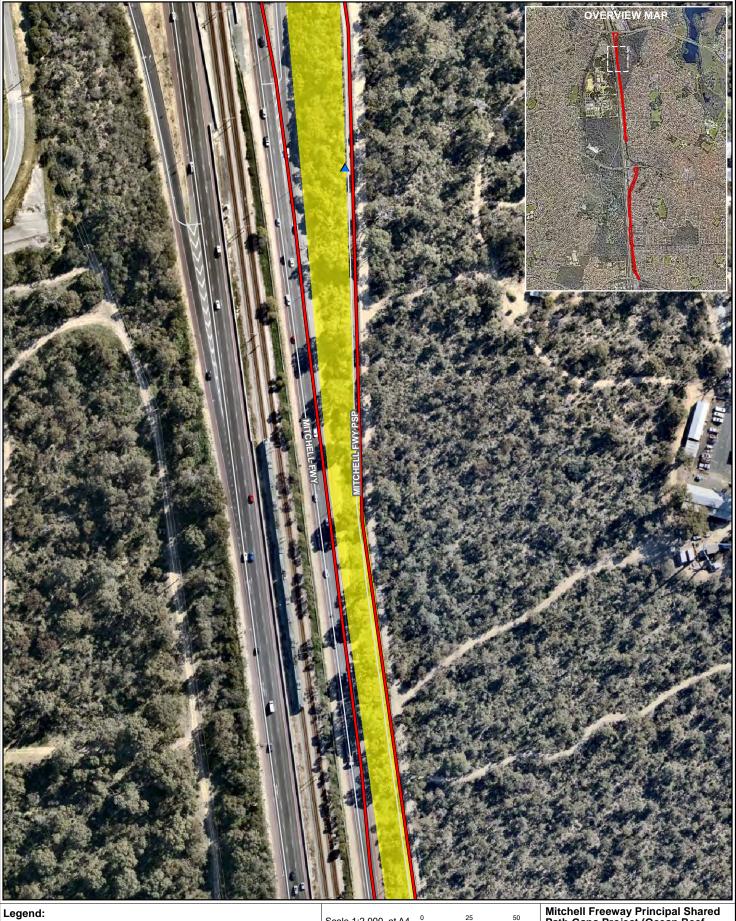
Client: Main Roads

Version: A Date: 18-Mar-2021 Drawn By: hsullivan Checked By: CT

FIGURE 10



PAGE 1 of 12



Phytophthora dieback occurrence

Excluded

WoNS and Declared Pests *Moraea flaccida*

Local and regional roads

Scale 1:2,000 at A4 0 25 50 metres

Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)

WONS AND DIEBACK OCCURRENCE

Coord. Sys. GDA 1994 MGA Zone 50

Job No: 58540

Client: Main Roads

FIGURE 10

PAGE 2 of 12

Version: A Date: 18-Mar-2021

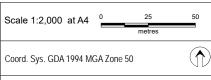
Drawn By: hsullivan Checked By: CT





Excluded

Local and regional roads



WONS AND DIEBACK OCCURRENCE

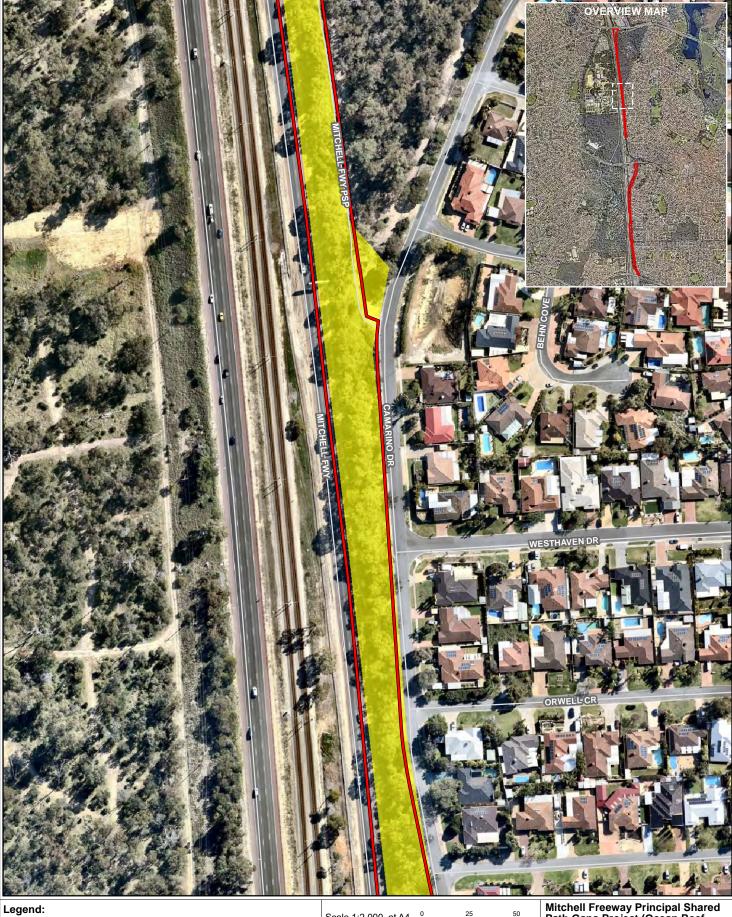
Job No: 58540

FIGURE 10 Client: Main Roads

Version: A Date: 18-Mar-2021 Drawn By: hsullivan Checked By: CT



PAGE 3 of 12



Phytophthora dieback occurrence Excluded

Local and regional roads

Scale 1:2,000 at A4 0 25 50 metres

Coord. Sys. GDA 1994 MGA Zone 50

Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)

WONS AND DIEBACK OCCURRENCE

Job No: 58540

Client: Main Roads FIGURE 10

Version: A Date: 18-Mar-2021

Drawn By: hsullivan Checked By: CT

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PAGE 4 of 12





Development envelope

Phytophthora dieback occurrence

Excluded

Local and regional roads

Scale 1:2,000 at A4	0	25 metres	50
Coord. Sys. GDA 1994 MGA Zone 50			\bigcirc

Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)

WONS AND DIEBACK OCCURRENCE

Job No: 58540

Client: Main Roads FIGURE 10

Version: A Date: 18-Mar-2021

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PAGE 5 of 12



Phytophthora dieback occurrence

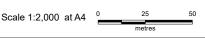
Infested

Excluded

WoNS and Declared Pests

Moraea flaccida

Local and regional roads



Coord. Sys. GDA 1994 MGA Zone 50

WONS AND DIEBACK OCCURRENCE

Job No: 58540

Version: A

Client: Main Roads

Drawn By: hsullivan

Date: 18-Mar-2021 Checked By: CT

FIGURE 10

PAGE 6 of 12







Phytophthora dieback occurrence

Infested

Excluded

WoNS and Declared Pests

Moraea flaccida

Local and regional roads

Scale 1:2,000 at A4	0	25	50
		metres	

Coord. Sys. GDA 1994 MGA Zone 50

Mitchell Freeway Principal Shared Path Gaps Project (Ocean Reef Road to Hepburn Avenue)

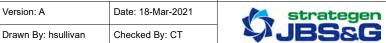
WONS AND DIEBACK OCCURRENCE

Job No: 58540

Client: Main Roads

FIGURE 10

PAGE 7 of 12





Development envelope

Phytophthora dieback occurrence

. Excluded

Local and regional roads

Scale 1:2,000 at A4	metres 50	Path Gaps Project Road to Hepburn	
Coord. Sys. GDA 1994 MGA Z	one 50	WONS AND DIEBAC	CK OCCURRENCE
Job No: 58540			
Client: Main Roads		FIGURE 10	PAGE 8 of 1
Version: A	Date: 18-Mar-2021	\$\frac{\strategen}{JBS&G}	
Drawn By: hsullivan	Checked By: CT		

PAGE 8 of 12



Phytophthora dieback occurrence Excluded

WoNS and Declared Pests

Asparagus asparagoides

Local and regional roads

Coord. Sys. GDA 1994 MGA Zone 50

WONS AND DIEBACK OCCURRENCE

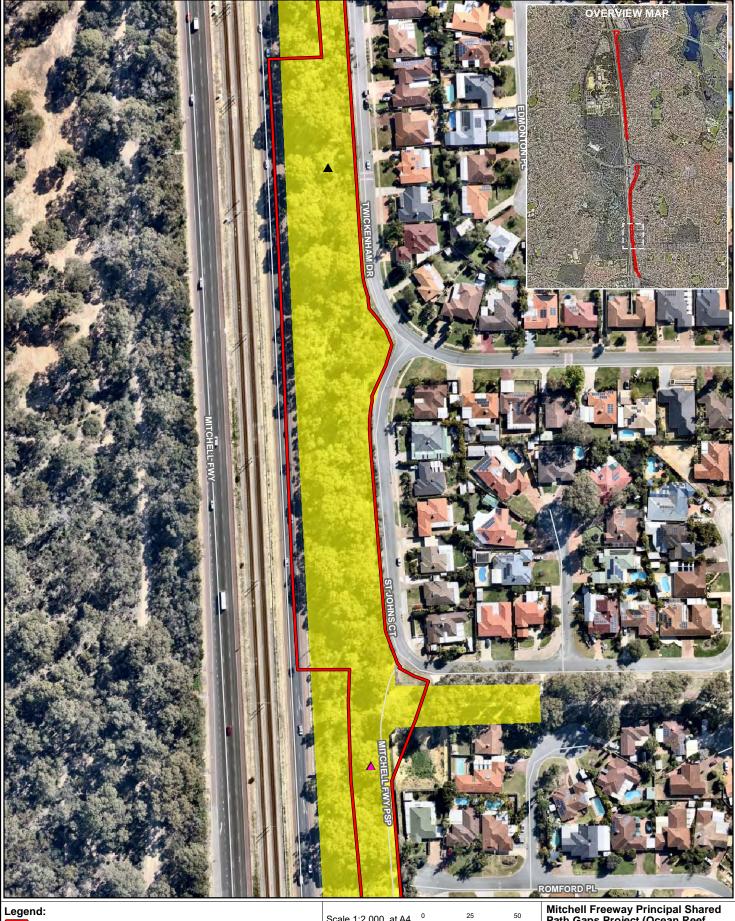
FIGURE 10

Job No: 58540

Client: Main Roads

PAGE 9 of 12

Version: A Date: 18-Mar-2021 Drawn By: hsullivan Checked By: CT



Development envelope

Phytophthora dieback occurrence Excluded

WoNS and Declared Pests

Asparagus asparagoides

Lantana camara

Local and regional roads

Scale 1:2,000 at A4	25 50 metres	Path Gaps Proje Road to Hepburi	ct (Ocean Reef
Coord. Sys. GDA 1994 MGA Z	one 50	WONS AND DIEBA	CK OCCURRENCE
Job No: 58540			
Client: Main Roads		FIGURE 10	PAGE 10 of 12
Version: A	Date: 18-Mar-2021		rategen
Drawn By: hsullivan	Checked By: CT	₩JBS&G	