



BORR Northern and Central Sections Vegetation and Flora Assessment (BORR IPT 2019c) – Part 2g (part 8 of 8)

APPENDIX D QUADRAT AND PHOTO POINT DATA

BUNBURY OUTER RING ROAD – NORTH: Survey Sites

Quadrat data


Site		BN01	
Type: Quadrat	Size: 10 x 10	Date: 17/09/2018	
Location: South West Highway			
Vegetation Type: VT5			
Landform: Plain	Slope: Negligible	Drainage: Good	
Soil Colour & Type: Grey Sand			
Vegetation Condition: Good (4)			
Disturbances: weeds, rubbish			
Fire Age & Intensity: Old > 5 yr – Minor impact			
Bare Ground: 10% Humus/Litter: Sparse –10-30%			
Wood Litter: Moderate			


Site		BN02	
Type: Quadrat	Size: 10 x 10	Date: 17/09/2018	
Location: South Western Highway			
Vegetation Type: VT5			
Landform: Swamp	Slope: Gentle	Drainage: Seasonal Wet	
Soil Colour & Type: Brown Silty Sand			
Vegetation Condition: Very Good (3)			
Disturbances: weeds, rubbish			
Fire Age & Intensity: Old > 5 yr – No damage			
Bare Ground: 10% Humus/Litter: Sparse –2-10%			
Wood Litter: Negligible			


Site		BN03	
Type: Quadrat	Size: 10 x 10	Date: 18/09/2018	
Location: Forrest Highway near Paris Road			
Vegetation Type:			
Landform: Upper slope	Drainage: Good		
Slope : Gentle			
Soil Colour & Type: Grey Sand			
Vegetation Condition: Very Good (3)			
Disturbances: weeds, rubbish			
Fire Age & Intensity: Old > 5 yr – No damage			
Bare Ground: 2-10%	Humus/Litter: Plentiful - >70%	Wood Litter: Moderate	


Site		BN04	
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Type: Quadrat	Size: 10 x 10	Date: 18/09/2018	
Location: Clifton Road			
Vegetation Type:			
Landform: Plain Slope : Gentle	Drainage: Seasonal Wet		
Soil Colour & Type: Grey Sand			
Vegetation Condition: Degraded (6)			
Disturbances: weeds, cattle			
Fire Age & Intensity: Old > 5 yr – No damage			
Bare Ground: 40% Humus/Litter: Sparse - 2-10%			
Wood Litter: Moderate			


Site		BN05	
Type: Quadrat	Size: 10 x 10	Date: 18/09/2018	
Location: Clifton Road			
Vegetation Type:			
Landform: Drainage depression	Drainage: Seasonal Wet		
Slope: : Gentle			
Soil Colour & Type: Grey Sand			
Vegetation Condition: Degraded (6)			
Disturbances: weeds, cattle			
Fire Age & Intensity: Old > 5 yr – No damage			
Bare Ground: 10%	Humus/Litter: Sparse - 2%	Wood Litter: Negligible	


Site		BN06	
Type: Quadrat	Size: 10 x 10	Date: 18/09/2018	
Location: Clifton Road			
Vegetation Type:			
Landform: Plain Slope : Gentle	Drainage: Seasonal Wet		
Soil Colour & Type: Grey Sand			
Vegetation Condition: Degraded (6)			
Disturbances: weeds, cattle			
Fire Age & Intensity: Old > 5 yr – No damage			
Bare Ground: 2% Humus/Litter: Sparse - <2%			
Wood Litter: Sparse			


Site		BN07	
Type: Quadrat	Size: 10 x 10	Date: 18/09/2018	
Location: Clifton Road			
Vegetation Type:			
Landform: Plain Slope : Gentle	Drainage: Seasonal Wet		
Soil Colour & Type: Grey Sand			
Vegetation Condition: Degraded (6)			
Disturbances: weeds, cattle			
Fire Age & Intensity: Old > 5 yr – No damage			
Bare Ground: 2% Humus/Litter: Moderate - >70%			
Wood Litter: Sparse			


Site		BN08	
Type: Quadrat	Size: 10 x 10	Date: 18/09/2018	
Location: Clifton Road			
Vegetation Type:			
Landform: Mid- slope Slope : Gentle	Drainage: Good		
Soil Colour & Type: Grey Sand			
Vegetation Condition: Degraded (6)			
Disturbances: weeds, past grazing (currently no grazing – fenced)			
Fire Age & Intensity: Old > 5 yr – No damage			
Bare Ground: 20% Humus/Litter: Sparse – 2-10%			
Wood Litter: Plentiful			

Site		BN09	
Type: Quadrat	Size: 10 x 10	Date: 18/09/2018	
Location: Clifton Road			
Vegetation Type:			
Landform: Mid- slope Slope : Gentle	Drainage: Good		
Soil Colour & Type: Grey Sand			
Vegetation Condition: Degraded (6)			
Disturbances: weeds, past grazing (currently no grazing – fenced)			
Fire Age & Intensity: Old > 5 yr – No damage			
Bare Ground: 5% Humus/Litter: Moderate – 10-30%			
Wood Litter: Sparse			


Site		BN10	
Type: Quadrat	Size: 10 x 10	Date: 18/09/2018	
Location: Clifton Road			
Vegetation Type:			
Landform: Hill Crest	Slope : Negligible	Drainage: Good	
Soil Colour & Type: Grey Sand			
Vegetation Condition: Degraded (6)			
Disturbances: weeds, past grazing, milling			
Fire Age & Intensity: Old > 5 yr – No damage			
Bare Ground: 40% Humus/Litter: Moderate – 10-30%			
Wood Litter: Plentiful			

Site		BN11	
Type: Quadrat	Size: 10 x 10	Date: 18/09/2018	
Location: Clifton Road			
Vegetation Type:			
Landform: Hill Crest	Slope : Negligible	Drainage: Good	
Soil Colour & Type: Grey Sand			
Vegetation Condition: Good (4)			
Disturbances: weeds, past grazing, milling			
Fire Age & Intensity: Old > 5 yr – No damage			
Bare Ground: 10% Humus/Litter: Moderate – 10-30%			
Wood Litter: Plentiful			


Site		BN12	
Type: Quadrat	Size: 10 x 10	Date: 18/09/2018	
Location: Forrest Highway			
Vegetation Type:			
Landform: Hill crest	Drainage: Good		
Slope : Gentle			
Soil Colour & Type: Grey Sand			
Vegetation Condition: Good (4)			
Disturbances: road reserve, weeds, fallen trees.			
Fire Age & Intensity: Old > 5 yr – No damage			
Bare Ground: 10-30%	Humus/Litter: Moderate - 30-70%	Wood Litter: Moderate	


Site		BN13	
Type: Quadrat	Size: 10 x 10	Date: 19/09/2018	
Location: Forrest Highway near Paris Road			
Vegetation Type:			
Landform: Mid- slope	Slope: Gentle	Drainage: Good	
Soil Colour & Type: Grey Sand			
Vegetation Condition: Good (4)			
Disturbances: weeds, rubbish, nearby roads.			
Fire Age & Intensity: Old > 5 yr – No damage			
Bare Ground: 2% Humus/Litter: Moderate –30-70%			
Wood Litter: Moderate			


Site		BN14	
Type: Quadrat	Size: 10 x 10	Date: 19/09/2018	
Location: Forrest Highway			
Vegetation Type:			
Landform: Plain	Drainage: Good		
Slope : Gentle			
Soil Colour & Type: Grey Sand			
Vegetation Condition: Good (4)			
Disturbances: road reserve, weeds.			
Fire Age & Intensity: Old > 5 yr – No damage			
Bare Ground: <2%	Humus/Litter: Plentiful - >70%	Wood Litter: Moderate	


Site		BN15	
Type: Quadrat	Size: 10 x 10	Date: 19/09/2018	
Location: Forrest Highway near Paris Road			
Vegetation Type:			
Landform: Depression	Drainage	Drainage: Seasonal Wet	
Slope : Negligible			
Soil Colour & Type: Grey Sand			
Vegetation Condition: Degraded (6)			
Disturbances: road reserve, weeds.			
Fire Age & Intensity: Old > 5 yr – No damage			
Bare Ground: >70%	Humus/Litter: Sparse - 2-10%	Wood Litter: Plentiful	


Site		BN16	
Type: Quadrat	Size: 10 x 10	Date: 19/09/2018	
Location: Forrest Highway near Brunswick River			
Vegetation Type:			
Landform: Plain	Drainage: Good (4)		
Soil Colour & Type: Grey Sand			
Vegetation Condition: Good			
Disturbances: Infrastructure, Exotic Weeds, rubbish, fire			
Fire Age & Intensity: Old > 5 yr – Few trees killed			
Bare Ground: <2%	Humus/Litter: Plentiful - >70%	Wood Litter: Moderate	


Site		BN17	
Type: Quadrat	Size: 10 x 10	Date: 19/09/2018	
Location: Forrest Highway near Paris Road			
Vegetation Type:			
Landform: Swamp	Slope: Gentle	Drainage: Seasonal Wet	
Soil Colour & Type: Grey Sand			
Vegetation Condition: Degraded (6)			
Disturbances: weeds, tree death, possible change to hydrology			
Fire Age & Intensity: Old > 5 yr – No damage			
Bare Ground: 90%	Humus/Litter: Sparse –30-70%		
Wood Litter: Plentiful			


Site		BN18	
Type: Quadrat	Size: 10 x 10	Date: 17/09/2018	
Location: BORR Central Section – Lot 504 on Plan 71846			
Vegetation Type: VT8			
Landform: Plain	Slope: Negligible	Drainage: Good	
Soil Colour & Type: Grey Sand			
Vegetation Condition: Good (4)			
Disturbances: Weeds			
Fire Age & Intensity: Old > 5 yr – fee trees killed			
Bare Ground: 2-10%	Humus/Litter: Moderate		
Wood Litter: Sparse			


Site		BN19	
Type: Quadrat	Size: 10 x 10	Date: 17/09/2018	
Location: BORR Central Section – Lot 504 on Plan 71846			
Vegetation Type: VT8			
Landform: Plain Slope: Gentle	Drainage: Good		
Soil Colour & Type: Grey Sand			
Vegetation Condition: Good (4)			
Disturbances: Weeds			
Fire Age & Intensity: Old > 5 yr – no damage			
Bare Ground: <2% Humus/Litter: Moderate –11-30%			
Wood Litter: Sparse			

Site		BN20	
Type: Quadrat	Size: 10 x 10	Date: 17/09/2018	
Location: BORR Central Section road reserve (P Road)			
Vegetation Type:			
Landform: Mid Slope Slope: Gentle	Drainage: Good		
Soil Colour & Type: Grey Sand			
Vegetation Condition: Good (4)			
Disturbances: Weeds			
Fire Age & Intensity: Old > 5 yr – minor impact			
Bare Ground: <2% Humus/Litter: Moderate –11-30%			
Wood Litter: Sparse			


Site		BN21	
Type: Quadrat	Size: 10 x 10	Date: 18/09/2018	
Location: Collie River – Vacant Crown Land			
Vegetation Type:			
Landform: Drainage line	Drainage: Seasonal Wet		
Slope: Negligible			
Soil Colour & Type: Brown clay			
Vegetation Condition: Degraded (6)			
Disturbances: Weeds			
Fire Age & Intensity: Old > 5 yr – no damage			
Bare Ground: 31-70% Humus/Litter: Sparse			
Wood Litter: Negligible			


Site		BN22	
Type: Quadrat	Size: 10 x 10	Date: 18/09/2018	
Location: Ferguson Creek – Lot 701 on Plan 402909			
Vegetation Type: VT4			
Landform: Drainage line	Drainage: Seasonal Wet		
Slope: Gentle			
Soil Colour & Type: Brown clayey sand			
Vegetation Condition: Degraded (6)			
Disturbances: Weeds			
Fire Age & Intensity: Old > 5 yr – no damage			
Bare Ground: -% Humus/Litter: Sparse			
Wood Litter: Sparse			


Site		BN23	
Type: Quadrat	Size: 10 x 10	Date: 18/09/2018	
Location: Wireless Road reserve – P Road			
Vegetation Type:			
Landform: Plain	Slope: Negligible	Drainage: Good	
Soil Colour & Type: Black sandy clay			
Vegetation Condition: Degraded (6)			
Disturbances: Weeds			
Fire Age & Intensity: Old > 5 yr – minor impact			
Bare Ground: -% Humus/Litter: Moderate – 11-30%			
Wood Litter: Sparse			


Site		BN24	
Type: Quadrat	Size: 10 x 10	Date: 18/09/2018	
Location: Wireless Road reserve – P Road			
Vegetation Type:			
Landform: Plain	Slope: Negligible	Drainage: Seasonal wet	
Soil Colour & Type: Brown clay			
Vegetation Condition: Degraded (6)			
Disturbances: Weeds			
Fire Age & Intensity: Old > 5 yr – no damage			
Bare Ground: 2-10% Humus/Litter: Negligible – 31-70%			
Wood Litter: Negligible			


Site		BN25	
Type: Quadrat	Size: 10 x 10	Date: 18/09/2018	
Location: Wireless Road reserve – P Road			
Vegetation Type:			
Landform: Drainage Depression Slope: Negligible	Drainage: Seasonal wet		
Soil Colour & Type: Brown clay			
Vegetation Condition: Degraded (6)			
Disturbances: Weeds			
Fire Age & Intensity: Old > 5 yr – no damage			
Bare Ground: 2-10% Humus/Litter: Negligible			
Wood Litter: Negligible			


Site		BN26	
Type: Quadrat	Size: 10 x 10	Date: 18/09/2018	
Location: Bell Road reserve – P Road			
Vegetation Type:			
Landform: Drainage Depression Slope: Negligible	Drainage: Seasonal wet		
Soil Colour & Type: Brown clay			
Vegetation Condition: Degraded (6)			
Disturbances: Weeds			
Fire Age & Intensity: Old > 5 yr – no damage			
Bare Ground: 0% Humus/Litter: Sparse			
Wood Litter: Sparse			


Site		BN27	
Type: Quadrat	Size: 10 x 10	Date: 18/09/2018	
Location: St Helena Road reserve – P Road			
Vegetation Type:			
Landform: Plain Slope: Negligible	Drainage: Seasonal wet		
Soil Colour & Type: Brown sandy clay			
Vegetation Condition: Degraded (6)			
Disturbances: Weeds			
Fire Age & Intensity: Old > 5 yr – minor impact			
Bare Ground: 2-10% Humus/Litter: Negligible			
Wood Litter: Negligible			


Site		BN28	
Type: Quadrat	Size: 10 x 10	Date: 18/09/2018	
Location: St Helena Road reserve – P Road			
Vegetation Type:			
Landform: Drainage depression Slope: Negligible	Drainage: Seasonal wet		
Soil Colour & Type: Black sandy clay			
Vegetation Condition: Degraded (6)			
Disturbances: Weeds			
Fire Age & Intensity: Old > 5 yr – minor impact			
Bare Ground: 2-10% Humus/Litter: Negligible			
Wood Litter: Negligible			


Site		BN29	
Type: Quadrat	Size: 10 x 10	Date: 19/09/2018	
Location: Lot 93 on Plan 240430 (Reserve 46108)			
Vegetation Type:			
Landform: Drainage depression Slope: Negligible	Drainage: Seasonal wet		
Soil Colour & Type: Brown clay			
Vegetation Condition: Degraded (6)			
Disturbances: Weeds			
Fire Age & Intensity: Old > 5 yr – no damage			
Bare Ground: <2% Humus/Litter: Sparse – 2-10%			
Wood Litter: Sparse			


Site		BN30	
Type: Quadrat	Size: 10 x 10	Date: 19/09/2018	
Location: St Helena Road reserve – P Road			
Vegetation Type:			
Landform: Riparian Bank Slope: Moderate	Drainage: Seasonal wet		
Soil Colour & Type: Grey sand			
Vegetation Condition: Degraded (6)			
Disturbances: Weeds			
Fire Age & Intensity: Old > 5 yr – minor impact			
Bare Ground: <2% Humus/Litter: Sparse – 11-30%			
Wood Litter: Sparse			

Site		BN31	
Type: Quadrat	Size: 10 x 10	Date: 19/09/2018	
Location: Lot 124 on Plan 71853 (Reserve 31866)			
Vegetation Type:			
Landform: Riparian Bank	Drainage: Seasonal wet		
Slope: Negligible			
Soil Colour & Type: Brown clayey sand			
Vegetation Condition: Degraded (6)			
Disturbances: Weeds			
Fire Age & Intensity: Old > 5 yr – no damage			
Bare Ground: 2-10% Humus/Litter: Sparse – 11-30%			
Wood Litter: Sparse			


Site		BN32	
Type: Quadrat	Size: 10 x 10	Date: 19/09/2018	
Location: Lot 104 on Plan 403618			
Vegetation Type:			
Landform: Mid Slope	Slope: Gentle	Drainage: Good	
Soil Colour & Type: Grey sand			
Vegetation Condition: Degraded (6)			
Disturbances: Weeds			
Fire Age & Intensity: Old > 5 yr – no damage			
Bare Ground: 31-70% Humus/Litter: Sparse – 31-70%			
Wood Litter: Moderate			


Site		BN33	
Type: Quadrat	Size: 10 x 10	Date: 19/09/2018	
Location: Preston River – Lot 124 on Plan 71853 (Reserve 31866)			
Vegetation Type:			
Landform: Riparian	Slope: Gentle	Drainage: Seasonal Wet	
Soil Colour & Type: Brown clayey sand			
Vegetation Condition: Degraded (6)			
Disturbances: Weeds			
Fire Age & Intensity: Old > 5 yr – no damage			
Bare Ground: <2% Humus/Litter: Sparse – 31-70%			
Wood Litter: Sparse			

Site		BN35	
Type: Quadrat	Size: 10 x 10	Date: 19/08/2018	
Location: Near Clifton Road			
Vegetation Type: VT16			
Landform: Drainage line	Slope: Gentle	Drainage: Permanent Wet	
Soil Colour & Type: Grey sand			
Vegetation Condition: Degraded (6)			
Disturbances: weeds, grazing			
Fire Age & Intensity: Old > 5 yr – No damage			
Bare Ground: <2% Humus/Litter: Sparse –2-10%			
Wood Litter: Low			






Site		BN34	
Type: Quadrat	Size: 10 x 10	Date: 19/09/2018	
Location: Preston River – Lot 124 on Plan 71853 (Reserve 31866)			
Vegetation Type:			
Landform: Riparian	Slope: Gentle	Drainage: Seasonal Wet	
Soil Colour & Type: Brown clayey sand			
Vegetation Condition: Degraded (6)			
Disturbances: Weeds			
Fire Age & Intensity: Old > 5 yr – no damage			
Bare Ground: <2% Humus/Litter: Sparse			
Wood Litter: Sparse			

Site		BN36	
Type: Quadrat	Size: 10 x 10	Date: 21/11/2018	
Location: Forest Hwy			
Vegetation Type: VT20			
Landform: Plain	Slope: Negligible	Drainage: Good	
Soil Colour & Type: Sand			
Vegetation Condition: Good			
Disturbances: weeds			
Fire Age & Intensity: Old > 5 yr – No damage			
Humus/Litter: Sparse			
Wood Litter: Moderate			

Site		BN37	
Type: Quadrat	Size: 10 x 10	Date: 21/11/2018	
Location: near BORR Central			
Vegetation Type:			
Landform: Plain Slope: Negligible	Drainage: Good		
Soil Colour & Type: Grey Sand			
Vegetation Condition: Degraded (6)			
Disturbances: weeds, clearing			
Fire Age & Intensity: Old > 5 yr – No damage			
Humus/Litter: Sparse			
Wood Litter: Sparse			

Site		BN38	
Type: Quadrat	Size: 10 x 10	Date: 20/08/2018	
Location: Lot 104, Main Roads			
Vegetation Type:			
Landform: Drainage line Slope: Gentle	Drainage: Permanent Wet		
Soil Colour & Type: Black Clay			
Vegetation Condition: Degraded (6)			
Disturbances: weeds			
Fire Age & Intensity: Old > 5 yr – No damage			
Bare Ground: <2% Humus/Litter: Moderate –30-70%			
Wood Litter: Moderate			

Diuris drummondii survey sites

<p>Site 1 - 5 m transects walked through wetland area until water inundation / terrestrial habitat.</p> 	<p>Site 2 - 10 – 15 m transects isolated <i>Juncus</i> patches, heavily grazed. High visibility.</p> 
<p>Site 3 - <i>Melaleuca raphiophylla</i> over pasture weeds. Narrow corridor along degraded creekline – creekline walked. Heavily grazed.</p> 	
<p>Site 4 - Degraded damp land – grazed, clear visibility meander transects. Scattered <i>Eucalyptus rudis</i>, <i>Juncus pallidus</i> and introduced grasses.</p> 	<p>Site 5 - <i>Melaleuca raphiophylla</i> over weeds.</p> 
<p>Site 6 – Scattered <i>Melaleuca raphiophylla</i> over pasture grasses / man-made drainage line. Cattle present / highly disturbed.</p>	<p>Site 7 -Waterloo Road – drainage line. Spot checks along the drainage line. On eastern side of the road</p>



Site 8 - Drainage line – man made – walking transect along through suitable habitat. Heavily weed infested in the ground layer. *Melaleuca raphiophylla* with *Eucalyptus rudis* / planted eucalypts.



Site 9 - *Eucalyptus rudis* over pasture weeds – walking transect

Site 10 - Eucalypts over weeds – meander survey



Site 11 – *Melaleuca* / *Juncus* over introduced grasses.

Site 12 - Cows grazing – *Melaleuca raphiophylla* over grass. No survey visual inspection



Site 13 - *Melaleuca raphiophylla* over *Juncus* and introduced grasses. Meander survey – sheep grazing

Site 14 - Transects at a 10 m grid in good quality vegetation. *Melaleuca raphiophylla* over *Lepidosperma longitudinale*



Site 15 – Scattered *Melaleuca raphiophylla* over introduced grasses. Meander – heavily cleared

Site 16 - Transects (5 m grid) within areas that had dense patches



Site 17 - Transects (5 m grid) within areas that had dense patches



Site 18 - Transects where suitable dense vegetation and wet area


















Site 19 - Southern side of Preston River – visual inspection cleared grassland with isolated trees heavily grazed

Site 20 – *Melaleuca raphiophylla* over grasses visual inspection – dry clay



Photographic reference points

<p>PP1</p> 	<p>PP2</p> 	<p>PP3</p> 
<p>PP4</p> 	<p>PP5</p> 	<p>PP6</p> 
<p>PP7</p> 	<p>PP8</p> 	<p>PP9.</p> 
<p>PP10</p> 	<p>PP11</p> 	<p>PP20</p> 
<p>PP21</p> 	<p>PP24</p> 	<p>PP25</p> 

PP26



PP27



PP28



PP30



PP31



PP32



PP33



PP34



PP35



PP36



PP37



PP38



PP39



PP40



PP50



PP51



PP52



BNA01



BNA02



BNA03



BNA04



BNA05



BNA06



BNA07



BNA08



BNA09



BNA10



BNA11



BNA12



BNA13

BNA14

BNA15



BNA16



BNA17



BNA18



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BNC19





Australian Government

BUILDING OUR FUTURE



mainroads
WESTERN AUSTRALIA

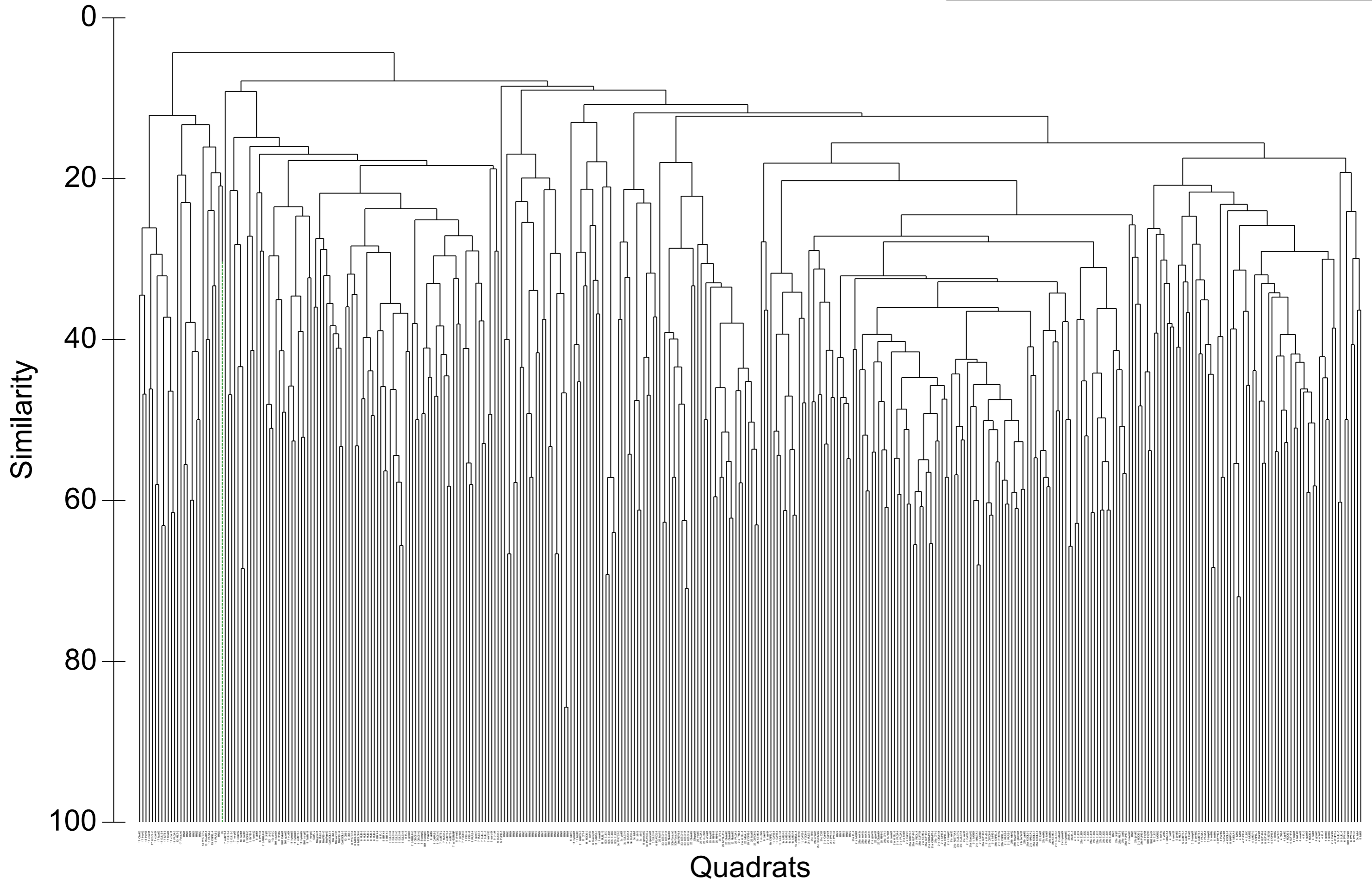
BUNBURY OUTER RING ROAD | PLANNING AND DEVELOPMENT

Taxon	BN01	BN02	BN03	BN04	BN05	BN06	BN07	BN08	BN09	BN10	BN11	BN12	BN13	BN14	BN15	BN16	BN17	BN18	BN19	BN20	BN21	BN22	BN23	BN24	BN25	BN26	BN27	BN28	BN29	BN30	BN31	BN32	BN33	BN34	BN35	BN36	BN37	BN38	BN39	BN40	
<i>Acacia huegelii</i>											x	x																													
<i>Acacia longifolia</i>															x																										
<i>Acacia pulchella</i> var. <i>glaberrima</i>		x	x							x	x		x											x														x			
<i>Acacia saligna</i>																							x	x																	
<i>Acacia semitrullata</i>			x								x					x	x																						x		
<i>Acacia stenoptera</i>																x								x																	
<i>Adenanthos meisneri</i>														x																									x		
<i>Adiantum aethiopicum</i>																																								x	
<i>Agonis flexuosa</i>	x		x	x	x		x	x	x		x	x	x			x		x	x										x		x	x	x	x	x		x		x	x	
<i>Alisma lanceolatum</i>																																							x		
<i>Anigozanthos manglesii</i>														x																											
<i>Aphelia cyperoides</i>				x																																					
<i>Arctotheca calendula</i>					x		x												x	x	x				x							x									
<i>Asparagus asparagoides</i>																							x					x								x					
<i>Astartea scoparia</i>				x			x						x																												
<i>Austrostipa campylachne</i>																																									
<i>Avena barbata</i>	x			x	x		x	x	x	x	x	x			x		x																						x	x	
<i>Babiana angustifolia</i>																																									
<i>Banksia attenuata</i>	x		x				x	x	x	x	x		x		x																							x		x	
<i>Banksia grandis</i>			x																																						
<i>Banksia ilicifolia</i>			x							x		x		x		x				x																					
<i>Boronia spathulata</i>		x																																							
<i>Bossiaea eriocarpa</i>			x										x	x		x																							x		
<i>Briza maxima</i>	x	x	x	x				x			x	x				x								x														x	x	x	
<i>Briza minor</i>																				x	x	x																	x		
<i>Bromus diandrus</i>																																								x	
<i>Burchardia congesta</i>			x									x		x		x																									
<i>Burchardia multiflora</i>																																									
<i>Caladenia flava</i> subsp. <i>flava</i>	x							x	x	x	x	x	x	x	x	x	x	x	x																						
<i>Caladenia latifolia</i>														x																										x	
<i>Caladenia nana</i> subsp. <i>nana</i>																x																									
<i>Cartonema philyroides</i>																																								x	
<i>Cassutha racemosa</i>																																									
<i>Casuarina obesa</i>																																									
<i>Cenchrus clandestinus</i>																																									
<i>Centella asiatica</i>																																								x	
<i>Centrolepis aristata</i>																																									
<i>Centrolepis drummondiana</i>																																									
<i>Cerastium glomeratum</i>																																									
<i>Chamaescilla corymbosa</i>									x		x	x		x		x																									
<i>Chamaescilla gibsonii</i>	x																																								
<i>Charizandra enodis</i>																																									
<i>Conostephium preissii</i>	x																																								
<i>Conostylis aculeata</i> subsp. <i>preissii</i>	x	x									x					x																								x	
<i>Conostylis juncea</i>			x										x		x																										
<i>Corymbia calophylla</i>	x	x									x		x		x																										x
<i>Cotula bipinnata</i>					x																																				
<i>Cotula coronopifolia</i>					x	x																																			
<i>Cotula turbinata</i>					x	x		x	x																																x
<i>Craspedia variabilis</i>		x																																							
<i>Crassula colorata</i> var. <i>colorata</i>																																									
<i>Crassula decumbens</i>																																									
<i>Crassula natans</i> var. <i>minus</i>																																									
<i>Cyathochaeta avenacea</i>																																									
<i>Cynogeton lineare</i>																																									
<i>Cynodon dactylon</i>																																									
<i>Cyperus congestus</i>																																									
<i>Dampiera linearis</i>																																									
<i>Dasypogon bromeliifolius</i>	x	x	x																																						
<i>Daucus glochidiatus</i>																																									
<i>Daviesia divaricata</i> subsp. <i>divaricata</i>																																									
<i>Desmocladus fascicularis</i>	x	x	x																																						
<i>Dianella revoluta</i>																																									
<i>Diuris corymbosa</i>																																									
<i>Drosera erythrorhiza</i>																																									
<i>Drosera heterophylla</i>																																									

APPENDIX E VEGETATION STATISTICS

No Singles

Resemblance: S17 Bray Curtis similarity



APPENDIX F FLORA SPECIES DATA

Flora Species List

Family	Taxon	Status
Alismataceae	<i>Alisma lanceolatum</i>	*
Anarthriaceae	<i>Lyginia barbata</i>	
Anarthriaceae	<i>Lyginia imberbis</i>	
Apiaceae	? <i>Centella asiatica</i>	
Apiaceae	<i>Centella asiatica</i>	
Apiaceae	<i>Daucus glochidiatus</i>	
Apiaceae	<i>Trachymene pilosa</i>	
Apiaceae	<i>Xanthosia huegelii</i>	
Apocynaceae	<i>Alyxia buxifolia</i>	
Apocynaceae	<i>Gomphocarpus fruticosus</i>	* DP
Araceae	<i>Lemna disperma</i>	
Araceae	<i>Zantedeschia aethiopica</i>	*DP/WoNS
Araliaceae	<i>Hydrocotyle callicarpa</i>	
Asparagaceae	? <i>Thysanotus manglesianus</i>	
Asparagaceae	<i>Asparagus asparagoides</i>	* DP/WoNS
Asparagaceae	<i>Dichopogon capillipes</i>	
Asparagaceae	<i>Lomandra ? odora</i>	
Asparagaceae	<i>Lomandra caespitosa</i>	
Asparagaceae	<i>Lomandra hermaphrodita</i>	
Asparagaceae	<i>Lomandra nigricans</i>	
Asparagaceae	<i>Lomandra odora</i>	
Asparagaceae	<i>Lomandra preissii</i>	
Asparagaceae	<i>Lomandra purpurea</i>	
Asparagaceae	<i>Sowerbaea latifolia</i>	
Asparagaceae	<i>Thysanotus / Tricoryne</i> sp. (sterile)	
Asparagaceae	<i>Thysanotus ? Manglesianus</i>	
Asparagaceae	<i>Thysanotus manglesianus</i>	
Asparagaceae	<i>Thysanotus multiflorus</i>	
Asphodelaceae	<i>Trachyandra divaricata</i>	*
Asteraceae	<i>Arctotheca calendula</i>	*
Asteraceae	<i>Cirsium vulgare</i>	
Asteraceae	<i>Conyza</i> sp.	*
Asteraceae	<i>Cotula bipinnata</i>	*
Asteraceae	<i>Cotula coronopifolia</i>	*
Asteraceae	<i>Cotula turbinata</i>	*
Asteraceae	<i>Craspedia variabilis</i>	
Asteraceae	<i>Hyalosperma cotula</i>	
Asteraceae	<i>Hypochaeris glabra</i>	*
Asteraceae	<i>Hypochaeris radicata</i>	*
Asteraceae	<i>Lagenophora huegelii</i>	
Asteraceae	<i>Olearia elaeophila</i>	
Asteraceae	<i>Osteospermum ecklonis</i>	*
Asteraceae	<i>Podolepis</i> sp.	

Family	Taxon	Status
Asteraceae	<i>Siloxerus filifolius</i>	
Asteraceae	<i>Sonchus oleraceus</i>	*
Asteraceae	<i>Sonchus</i> sp.	
Asteraceae	<i>Ursinia anthemoides</i>	*
Asteraceae	<i>Vellereophyton dealbatum</i>	*
Boryaceae	<i>Borya sphaerocephala</i>	
Brassicaceae	<i>Raphanus raphanistrum</i>	*
Campanulaceae	<i>Lobelia anceps</i>	
Caryophyllaceae	<i>Cerastium glomeratum</i>	*
Caryophyllaceae	<i>Polycarpon tetraphyllum</i>	*
Caryophyllaceae	<i>Stellaria media</i>	*
Caryophyllaceae	<i>Petrorhagia dubia</i>	*
Casuarinaceae	<i>Allocasuarina humilis</i>	
Casuarinaceae	<i>Casuarina obesa</i>	
Centrolepidaceae	<i>Aphelia cyperoides</i>	
Centrolepidaceae	<i>Centrolepis aristata</i>	
Centrolepidaceae	<i>Centrolepis drummondiana</i>	
Centrolepidaceae	<i>Centrolepis polygyna</i>	
Colchicaceae	<i>Burchardia congesta</i>	
Colchicaceae	<i>Burchardia multiflora</i>	
Commelinaceae	<i>Cartonema philydroides</i>	
Crassulaceae	<i>Crassula colorata</i> var. <i>colorata</i>	
Crassulaceae	<i>Crassula decumbens</i>	
Crassulaceae	<i>Crassula natans</i>	
Crassulaceae	<i>Crassula natans</i> var. <i>minus</i>	*
Cucurbitaceae	<i>Cucumis myriocarpus</i>	*
Cyperaceae	? <i>Leptocarpus kraussii</i>	
Cyperaceae	<i>Baumea articulata</i>	
Cyperaceae	<i>Carex appressa</i>	
Cyperaceae	<i>Carex inversa</i>	
Cyperaceae	<i>Chorizandra enodis</i>	
Cyperaceae	<i>Cyathochaeta</i> ? <i>avenacea</i>	
Cyperaceae	<i>Cyathochaeta avenacea</i>	
Cyperaceae	<i>Cyperus congestus</i>	
Cyperaceae	<i>Cyperus eragrostis</i>	*
Cyperaceae	<i>Cyperus</i> sp. (sterile)	
Cyperaceae	<i>Cyperus tenellus</i>	*
Cyperaceae	<i>Gahnia trifida</i>	
Cyperaceae	<i>Isolepis</i> ? <i>stellata</i>	
Cyperaceae	<i>Isolepis cernua</i> var. <i>setiformis</i>	
Cyperaceae	<i>Isolepis marginata</i>	*
Cyperaceae	<i>Lepidosperma longitudinale</i>	
Cyperaceae	<i>Lepidosperma pubisquameum</i>	
Cyperaceae	<i>Lepidosperma</i> sp.	
Cyperaceae	<i>Lepidosperma</i> sp. (sterile)	

Family	Taxon	Status
Cyperaceae	<i>Lepidosperma squamatum</i>	
Cyperaceae	<i>Mesomelaena tetragona</i>	
Cyperaceae	<i>Schoenus curvifolius</i>	
Cyperaceae	<i>Schoenus efoliatus</i>	
Dasypogonaceae	<i>Dasypogon bromeliifolius</i>	
Dennstaedtiaceae	<i>Pteridium esculentum</i> subsp. <i>esculentum</i>	
Dilleniaceae	<i>Hibbertia ? spicata</i>	
Dilleniaceae	<i>Hibbertia cuneiformis</i>	
Dilleniaceae	<i>Hibbertia hypericoides</i> subsp. <i>hypericoides</i>	
Dilleniaceae	<i>Hibbertia racemosa</i>	
Dilleniaceae	<i>Hibbertia vaginata</i>	
Droseraceae	<i>Drosera ? platystigma</i>	
Droseraceae	<i>Drosera ? Stolonifera</i>	
Droseraceae	<i>Drosera erythorhiza</i>	
Droseraceae	<i>Drosera glandulifera</i>	
Droseraceae	<i>Drosera heterophylla</i>	
Droseraceae	<i>Drosera huegelii</i>	
Droseraceae	<i>Drosera menziesii</i> subsp. <i>menziesii</i>	
Droseraceae	<i>Drosera nitidula</i>	
Droseraceae	<i>Drosera pygmaea</i>	
Droseraceae	<i>Drosera stolonifera</i>	
Ericaceae	<i>Conostephium preissii</i>	
Ericaceae	<i>Leucopogon propinquus</i>	
Ericaceae	<i>Leucopogon racemulosus</i>	
Ericaceae	<i>Lysinema pentapetalum</i>	
Ericaceae	<i>Petrophile linearis</i>	
Ericaceae	<i>Styphelia tenuiflora</i>	
Euphorbiaceae	<i>Euphorbia peplus</i>	*
Euphorbiaceae	<i>Euphorbia</i> sp. (sterile)	
Euphorbiaceae	<i>Ricinus communis</i>	*
Fabaceae	<i>Acacia applanata</i>	
Fabaceae	<i>Acacia baileyana</i>	*
Fabaceae	<i>Acacia decurrens</i>	*
Fabaceae	<i>Acacia extensa</i>	
Fabaceae	<i>Acacia huegelii</i>	
Fabaceae	<i>Acacia lasiocarpa</i> var. <i>lasiocarpa</i>	
Fabaceae	<i>Acacia longifolia</i>	*
Fabaceae	<i>Acacia myrtifolia</i>	
Fabaceae	<i>Acacia pulchella</i> var. <i>glaberrima</i>	
Fabaceae	<i>Acacia saligna</i>	
Fabaceae	<i>Acacia saligna ?</i> subsp. <i>lindleyi</i> or <i>saligna</i>	
Fabaceae	<i>Acacia semitrullata</i>	P4
Fabaceae	<i>Acacia</i> sp. (immature)	
Fabaceae	<i>Acacia stenoptera</i>	
Fabaceae	<i>Bossiaea eriocarpa</i>	

Family	Taxon	Status
Fabaceae	<i>Daviesia divaricata</i> subsp. <i>divaricata</i>	
Fabaceae	<i>Eutaxia virgata</i>	
Fabaceae	<i>Gastrolobium bilobum</i>	
Fabaceae	<i>Gastrolobium capitatum</i> [^]	
Fabaceae	<i>Gompholobium tomentosum</i>	
Fabaceae	<i>Hardenbergia comptoniana</i>	
Fabaceae	<i>Hovea trisperma</i>	
Fabaceae	<i>Jacksonia</i> ? <i>horrida</i>	
Fabaceae	<i>Jacksonia furcellata</i>	
Fabaceae	<i>Jacksonia horrida</i>	
Fabaceae	<i>Jacksonia sternbergiana</i>	
Fabaceae	<i>Kennedia prostrata</i>	
Fabaceae	<i>Lotus angustissimus</i>	*
Fabaceae	<i>Lotus subbiflorus</i>	*
Fabaceae	<i>Lupinus cosentinii</i>	*
Fabaceae	<i>Ornithopus compressus</i>	*
Fabaceae	<i>Ornithopus sativus</i>	*
Fabaceae	<i>Trifolium arvense</i> var. <i>arvense</i>	*
Fabaceae	<i>Trifolium campestre</i>	*
Fabaceae	<i>Trifolium dubium</i>	*
Fabaceae	<i>Trifolium repens</i>	*
Fabaceae	<i>Trifolium repens</i> var. <i>repens</i>	*
Fabaceae	<i>Trifolium subterraneum</i>	*
Fabaceae	<i>Vicia hirsuta</i>	*
Fabaceae	<i>Vicia sativa</i>	*
Fabaceae	<i>Viminaria juncea</i>	
Geraniaceae	<i>Erodium moschatum</i>	*
Geraniaceae	<i>Geranium molle</i>	*
Geraniaceae	<i>Pelargonium capitatum</i>	*
Goodeniaceae	? <i>Dampiera</i> sp. (sterile)	
Goodeniaceae	<i>Dampiera alata</i>	
Goodeniaceae	<i>Dampiera linearis</i>	
Goodeniaceae	<i>Scaevola calliptera</i>	
Haemodoraceae	<i>Anigozanthos flavidus</i>	
Haemodoraceae	<i>Anigozanthos manglesii</i>	
Haemodoraceae	<i>Conostylis aculeata</i> ? subsp. <i>Preissii</i>	
Haemodoraceae	<i>Conostylis aculeata</i> subsp. <i>preissii</i>	
Haemodoraceae	<i>Conostylis juncea</i>	
Haemodoraceae	<i>Conostylis</i> sp.	
Haemodoraceae	<i>Haemodorum simplex</i>	
Haemodoraceae	<i>Haemodorum spicatum</i>	
Haemodoraceae	<i>Phlebocarya ciliata</i>	
Haemodoraceae	<i>Tribonanthes australis</i>	
Hemerocallidaceae	<i>Caesia</i> ? <i>occidentalis</i>	
Hemerocallidaceae	<i>Dianella revoluta</i>	

Family	Taxon	Status
Hypoxidaceae	<i>Pauridia occidentalis</i> var. <i>quadriloba</i>	
Hypoxidaceae	<i>Pauridia vaginata</i> var. <i>vaginata</i>	
Iridaceae	<i>Babiana angustifolia</i>	*
Iridaceae	<i>Freesia alba</i> x <i>leichtlinii</i>	*
Iridaceae	<i>Gladiolus caryophyllaceus</i>	*
Iridaceae	<i>Orthrosanthus laxus</i> var. <i>laxus</i>	
Iridaceae	<i>Patersonia occidentalis</i>	
Iridaceae	<i>Romulea flava</i>	*
Iridaceae	<i>Romulea rosea</i>	*
Iridaceae	<i>Romulea rosea</i> var. <i>communis</i>	*
Iridaceae	<i>Sparaxis bulbifera</i>	*
Iridaceae	<i>Watsonia meriana</i> var. <i>bulbifera</i>	*
Iridaceae	<i>Watsonia</i> sp.	*
Juncaceae	<i>Juncus articulatus</i>	*
Juncaceae	<i>Juncus bufonius</i>	*
Juncaceae	<i>Juncus kraussii</i> subsp. <i>australiensis</i>	
Juncaceae	<i>Juncus microcephalus</i>	*
Juncaceae	<i>Juncus pallidus</i>	
Juncaceae	<i>Luzula meridionalis</i>	
Juncaginaceae	<i>Cycnogeton lineare</i>	
Lamiaceae	<i>Hemiandra pungens</i>	
Lamiaceae	<i>Mentha spicata</i>	*
Lamiaceae	<i>Stachys arvensis</i>	*
Lauraceae	<i>Cassytha</i> ? <i>glabella</i>	
Lauraceae	<i>Cassytha racemosa</i>	
Lauraceae	<i>Cassytha</i> sp.	
Loranthaceae	<i>Nuytsia floribunda</i>	
Menyanthaceae	<i>Liparophyllum latifolium</i>	
Monocot. Sp. sterile		
Myrtaceae	? <i>Astartea</i> sp.	
Myrtaceae	<i>Agonis flexuosa</i>	
Myrtaceae	<i>Astartea</i> ? <i>scoparia</i>	
Myrtaceae	<i>Astartea scoparia</i>	
Myrtaceae	<i>Callistemon phoeniceus</i>	# planted
Myrtaceae	<i>Calothamnus quadrifidus</i>	# planted
Myrtaceae	<i>Calytrix flavescens</i>	
Myrtaceae	<i>Corymbia citriodora</i>	*
Myrtaceae	<i>Corymbia calophylla</i>	
Myrtaceae	<i>Eucalyptus botryoides</i>	*
Myrtaceae	<i>Eucalyptus camaldulensis</i>	# planted
Myrtaceae	<i>Eucalyptus cladocalyx</i>	*
Myrtaceae	<i>Eucalyptus gomphocephala</i>	
Myrtaceae	<i>Eucalyptus lane-poolei</i>	#planted
Myrtaceae	<i>Eucalyptus marginata</i> subsp. <i>marginata</i>	
Myrtaceae	<i>Eucalyptus rudis</i>	

Family	Taxon	Status
Myrtaceae	<i>Eucalyptus wandoo</i>	
Myrtaceae	<i>Hypocalymma angustifolium</i>	
Myrtaceae	<i>Hypocalymma robustum</i>	
Myrtaceae	<i>Kunzea glabrescens</i>	
Myrtaceae	<i>Melaleuca ? lateritia</i>	
Myrtaceae	<i>Melaleuca ? preissiana</i>	
Myrtaceae	<i>Melaleuca cuticularis</i>	
Myrtaceae	<i>Melaleuca incana</i> subsp. <i>incana</i>	
Myrtaceae	<i>Melaleuca lanceolata</i>	# planted
Myrtaceae	<i>Melaleuca lateritia</i>	
Myrtaceae	<i>Melaleuca nesophila</i>	# planted
Myrtaceae	<i>Melaleuca pauciflora</i>	
Myrtaceae	<i>Melaleuca preissiana</i>	
Myrtaceae	<i>Melaleuca quinquenervia</i>	# planted
Myrtaceae	<i>Melaleuca raphiophylla</i>	
Myrtaceae	<i>Melaleuca teretifolia</i>	
Myrtaceae	<i>Melaleuca thymoides</i>	
Myrtaceae	<i>Melaleuca viminea</i> subsp. <i>viminea</i>	
Myrtaceae	<i>Taxandria linearifolia</i>	
Oleaceae	<i>Olea europaea</i>	*
Orchidaceae	? <i>Leporella fimbriata</i> (leaf only)	
Orchidaceae	? <i>Thelymitra graminea</i> (leaf only)	
Orchidaceae	? <i>Thelymitra species</i> (leaf only)	
Orchidaceae	<i>Caladenia chapmanii</i>	
Orchidaceae	<i>Caladenia flava</i> subsp. <i>flava</i>	
Orchidaceae	<i>Caladenia latifolia</i>	
Orchidaceae	<i>Caladenia nana</i> subsp. <i>nana</i>	
Orchidaceae	<i>Caladenia</i> sp. (leaf only)	
Orchidaceae	<i>Corybas recurvus</i>	
Orchidaceae	<i>Cryptostylis ovata</i> (leaf only)	
Orchidaceae	<i>Disa bracteata</i>	*
Orchidaceae	<i>Diuris corymbosa</i>	
Orchidaceae	<i>Elythranthera brunonis</i>	
Orchidaceae	<i>Leptoceras menziesii</i> (leaf only)	
Orchidaceae	<i>Microtis media</i> subsp. <i>media</i>	
Orchidaceae	<i>Microtis</i> sp. (infertile)	
Orchidaceae	<i>Pterostylis ? vittata</i>	
Orchidaceae	<i>Pterostylis pyramidalis</i>	
Orchidaceae	<i>Pterostylis recurva</i>	
Orchidaceae	<i>Pterostylis ectypha</i>	
Orchidaceae	<i>Pterostylis vittata</i>	
Orchidaceae	<i>Pyrorchis nigricans</i>	
Orchidaceae	<i>Thelymitra graminea</i>	
Orchidaceae	<i>Thelymitra macrophylla</i>	
Orchidaceae	<i>Thelymitra pauciflora</i>	

Family	Taxon	Status
Orobanchaceae	<i>Orobanche minor</i>	*
Oxalidaceae	<i>Oxalis</i> sp.	
Oxalidaceae	<i>Oxalis ? pes-caprae</i>	*
Oxalidaceae	<i>Oxalis glabra</i>	*
Oxalidaceae	<i>Oxalis pes-caprae</i>	*
Papaveraceae	<i>Fumaria capreolata</i>	*
Papaveraceae	<i>Fumaria muralis</i>	*
Passifloraceae	<i>Passiflora filamentosa</i>	*
Philydraceae	<i>Philydrella drummondii</i>	
Phyllanthaceae	<i>Phyllanthus calycinus</i>	
Phytolaccaceae	<i>Phytolacca octandra</i>	*
Pittosporaceae	<i>Billardiera fusiformis</i>	
Plantaginaceae	<i>Callitriche stagnalis</i>	*
Plantaginaceae	<i>Plantago lanceolata</i>	*
Poaceae	<i>Aira cupaniana</i>	*
Poaceae	<i>Austrostipa campylachne</i>	
Poaceae	<i>Avena barbata</i>	*
Poaceae	<i>Briza maxima</i>	*
Poaceae	<i>Briza minor</i>	*
Poaceae	<i>Bromus diandrus</i>	*
Poaceae	<i>Bromus hordeaceus</i>	*
Poaceae	<i>Cenchrus clandestinus</i>	*
Poaceae	<i>Cynodon dactylon</i>	*
Poaceae	<i>Ehrharta calycina</i>	*
Poaceae	<i>Ehrharta longiflora</i>	*
Poaceae	<i>Eragrostis curvula</i>	*
Poaceae	<i>Holcus lanatus</i>	*
Poaceae	<i>Hordeum leporinum</i>	*
Poaceae	<i>Lagurus ovatus</i>	*
Poaceae	<i>Lolium perenne</i>	*
Poaceae	<i>Lolium rigidum</i>	*
Poaceae	<i>Neurachne alopecuroidea</i>	
Poaceae	<i>Paspalum dilatatum</i>	*
Poaceae	<i>Pennisetum clandestinum</i>	*
Poaceae	<i>Poa annua</i>	*
Poaceae	<i>Rytidosperma caespitosum</i>	
Poaceae	sp.	
Poaceae	<i>Vulpia myuros</i>	*
Polygonaceae	<i>Persicaria</i> sp.	*
Polygonaceae	<i>Rumex</i> sp.	*
Polygonaceae	<i>Rumex acetosella</i>	*
Polygonaceae	<i>Rumex conglomeratus</i>	*
Polygonaceae	<i>Rumex crispus</i>	*
Polygonaceae	<i>Rumex/ Persicaria</i> sp. sterile	
Primulaceae	<i>Lysimachia arvensis</i>	*

Family	Taxon	Status
Proteaceae	<i>Adenanthos meisneri</i>	
Proteaceae	<i>Banksia attenuata</i>	
Proteaceae	<i>Banksia grandis</i>	
Proteaceae	<i>Banksia ilicifolia</i>	
Proteaceae	<i>Banksia littoralis</i>	
Proteaceae	<i>Calothamnus</i> sp.	# planted
Proteaceae	<i>Hakea varia</i>	
Proteaceae	<i>Persoonia longifolia</i>	
Proteaceae	<i>Stirlingia latifolia</i>	
Proteaceae	<i>Synaphea spinulosa</i> subsp. <i>Spinulosa</i>	
Proteaceae	<i>Xylomelum occidentale</i>	
Pteridaceae	<i>Adiantum aethiopicum</i>	
Ranunculaceae	<i>Ranunculus ? colonorum</i>	
Restionaceae	<i>Desmocladius fascicularis</i>	
Restionaceae	<i>Desmocladius flexuosa</i>	
Restionaceae	<i>Hypolaena exsulca</i>	
Restionaceae	<i>Hypolaena pubescens</i>	
Restionaceae	<i>Leptocarpus decipiens</i>	
Restionaceae	<i>Leptocarpus kraussii</i>	
Restionaceae	<i>Leptocarpus laxus</i>	
Restionaceae	<i>Leptocarpus</i> sp.	
Restionaceae	<i>Lepyrodia glauca</i>	
Rhamnaceae	<i>Spyridium globulosum</i>	
Rubiaceae	<i>Galium murale</i>	*
Rubiaceae	<i>Opercularia apiciflora</i>	
Rubiaceae	<i>Opercularia hispidula</i>	
Rubiaceae	<i>Opercularia vaginata</i>	
Rutaceae	<i>Boronia spathulata</i>	
Rutaceae	<i>Philothea spicata</i>	
Salviniaceae	<i>Azolla rubra</i>	
Solanaceae	<i>Solanum linnaeanum</i>	* DP
Solanaceae	<i>Solanum nigrum</i>	*
Stylidiaceae	<i>Stylidium brunonianum</i>	
Stylidiaceae	<i>Stylidium ciliatum</i>	
Thymelaeaceae	<i>Pimelea citriodora</i>	
Typhaceae	<i>Typha orientalis</i>	
Xanthorrhoeaceae	<i>Chamaescilla corymbosa</i>	
Xanthorrhoeaceae	<i>Chamaescilla gibsonii</i>	P3
Xanthorrhoeaceae	<i>Xanthorrhoea brunonis</i>	
Xanthorrhoeaceae	<i>Xanthorrhoea preissii</i>	
Zamiaceae	<i>Macrozamia riedlei</i>	

* Denoted an introduced species

^ Nuytsia Volume 30 (DBCA 2019) (published on the 28 March 2019) includes a short communication on *Gastrolobium* sp. Harvey, which concludes that *Gastrolobium* sp. Harvey is best regarded as a variant or ecotype of *Gastrolobium capitatum*. *G. capitatum* is a

common plant throughout the Bunbury region. It is anticipated that the advice published in Nuytsia Vol. 30 (DBCA 2019) will be adopted and the phrase name *Gastrolobium* sp. Harvey will no longer be current and be replaced with *Gastrolobium capitatum*.

Species by vegetation type

Taxon	Vegetation type															
	4	5	6	7	8	9	10	11	12	13	14	15	16	19	20	
? <i>Astartea</i> sp.									1							
? <i>Dampiera</i> sp. (sterile)															1	
? <i>Leporella fimbriata</i> (leaf only)														1		
? <i>Thelymitra graminea</i> (leaf only)													1			
? <i>Thelymitra</i> species (leaf only)				1												
? <i>Thysanotus manglesianus</i>									1							
<i>Acacia huegelii</i>											1			1		
<i>Acacia longifolia</i>				1												
<i>Acacia pulchella</i> var. <i>glaberrima</i>		1							2					3	2	
<i>Acacia saligna</i>					1				1							
<i>Acacia semitrullata</i>				1										2	2	
<i>Acacia</i> sp. (immature)											1					
<i>Acacia stenoptera</i>									1						1	
<i>Adenanthos meisneri</i>															2	
<i>Adiantum aethiopicum</i>									1							
<i>Agonis flexuosa</i>	1	1		1					3		1	4	2	3	8	
<i>Alisma lanceolatum</i>								1								
<i>Anigozanthos manglesii</i>															1	
<i>Aphelia cyperoides</i>										1						
<i>Arctotheca calendula</i>			1						1			3		2		
<i>Asparagus asparagoides</i>	1				1				1							
<i>Astartea scoparia</i>										1	1		1			
<i>Austrostipa campylachne</i>	1															
<i>Avena barbata</i>		1		2						1	2		3	5	1	
<i>Babiana angustifolia</i>									1							
<i>Banksia attenuata</i>		1									1			7	3	
<i>Banksia grandis</i>														1	1	
<i>Banksia ilicifolia</i>												1		3	2	
<i>Boronia spathulata</i>		1														
<i>Bossiaea eriocarpa</i>											1			1	3	
<i>Briza maxima</i>	1	2			1						3		2	4	1	
<i>Briza minor</i>	2				1	1			2			3				
<i>Bromus diandrus</i>											2					
<i>Burchardia congesta</i>									1					2	2	
<i>Burchardia multiflora</i>									1							
<i>Caesia</i> ? <i>occidentalis</i>		1														
<i>Caladenia flava</i> subsp. <i>flava</i>		1		2							1	3		6	2	
<i>Caladenia latifolia</i>												1			1	
<i>Caladenia nana</i> subsp. <i>nana</i>															1	
<i>Caladenia</i> sp. (leaf only)														3		

<i>Drosera stolonifera</i>													4	2
<i>Ehrharta calycina</i>			2						3	1				2
<i>Ehrharta longiflora</i>	1	2			1		2	1	2				1	1
<i>Elythranthera brunonis</i>												1	1	1
<i>Eragrostis curvula</i>				1				3						
<i>Eucalyptus marginata</i>									1					
<i>Eucalyptus marginata</i> subsp. <i>marginata</i>									1	2			4	3
<i>Eucalyptus rudis</i>	3				1	1	1							
<i>Euphorbia peplus</i>									2					
<i>Euphorbia</i> sp. (sterile)			1	1										
<i>Freesia alba</i> x <i>leichtlinii</i>										1				
<i>Fumaria capreolata</i>					1				1					
<i>Galium murale</i>			1						1					
<i>Gastrolobium capitatum</i> ^		1												
<i>Geranium molle</i>			1		1									
<i>Gomphocarpus fruticosus</i>					1									
<i>Gompholobium tomentosum</i>													1	3
<i>Hakea varia</i>				1				2						
<i>Hardenbergia comptoniana</i>									2	2			2	
<i>Hemiandra pungens</i>													1	1
<i>Hibbertia hypericoides</i> subsp. <i>hypericoides</i>													4	2
<i>Hibbertia racemosa</i>									1	1			2	1
<i>Hovea trisperma</i>									1					2
<i>Hyalosperma cotula</i>														1
<i>Hypocalymma angustifolium</i>	1			1					1					
<i>Hypochaeris glabra</i>			1	2					1	3		2	5	2
<i>Hypochaeris radicata</i>		2							1				1	1
<i>Hypolaena exsulca</i>		2		1									2	1
<i>Isolepis</i> ? <i>stellata</i>									1					
<i>Isolepis marginata</i>			2	1				2	1				2	
<i>Jacksonia furcellata</i>										1			1	1
<i>Jacksonia horrida</i>													1	1
<i>Jacksonia sternbergiana</i>										1				
<i>Juncus pallidus</i>	1		1		1	1		1	1	1				1
<i>Kennedia prostrata</i>	1													2
<i>Kunzea glabrescens</i>		1		2						1	1			3
<i>Lagenophora huegelii</i>													3	
<i>Lagurus ovatus</i>										1				
<i>Lepidosperma longitudinale</i>		1									1			
<i>Lepidosperma pubisquameum</i>	1	2								1			2	1
<i>Lepidosperma</i> sp.								1						
<i>Lepidosperma</i> sp. (nf)										1				1
<i>Lepidosperma</i> sp. (sterile)													1	

<i>Patersonia occidentalis</i>										1			2	1
<i>Persicaria</i> sp.								1						
<i>Petrophile linearis</i>													2	
<i>Philothea spicata</i>										1			1	
<i>Philydrella drummondii</i>								1						
<i>Phlebocarya ciliata</i>		2								1			1	1
<i>Phytolacca octandra</i>						2								
<i>Plantago lanceolata</i>					1		1							
<i>Podolepis</i> sp.								1						
<i>Pteridium esculentum</i> subsp. <i>esculentum</i>							1					1		
<i>Pterostylis ? vittata</i>												1		
<i>Pterostylis pyramidalis</i>													1	
<i>Pterostylis ectypha</i>				1						1		1	2	1
<i>Pterostylis vittata</i>		1								1				1
<i>Pyrorchis nigricans</i>				1									3	1
<i>Ranunculus ? colonorum</i>			1											
<i>Ricinus communis</i>							1							
<i>Romulea flava</i>													1	
<i>Romulea rosea</i>	1	2	1					1	1	1		3	3	2
<i>Romulea rosea</i> var. <i>communis</i>								1						
<i>Rumex acetosella</i>	1													
<i>Rumex</i> sp.									1					
<i>Scaevola calliptera</i>		1												
<i>Schoenus curvifolius</i>													1	1
<i>Schoenus efoliatus</i>		1												
<i>Solanum nigrum</i>												2		
<i>Sonchus oleraceus</i>	1										2			
<i>Sonchus</i> sp.					1			1						
<i>Sowerbaea laxiflora</i>		2										2		
<i>Sparaxis bulbifera</i>													1	
<i>Spyridium globulosum</i>							1							
<i>Stellaria media</i>	1				2									
<i>Stirlingia latifolia</i>														3
<i>Stylidium brunonianum</i>				1						1			2	1
<i>Stylidium ciliatum</i>													3	1
<i>Styphelia tenuiflora</i>													1	
<i>Taxandria linearifolia</i>	1													
<i>Thelymitra macrophylla</i>		1												
<i>Thysanotus / Tricoryne</i> sp. (sterile)													1	
<i>Thysanotus ? Manglesianus</i>											1		1	
<i>Thysanotus manglesianus</i>		1											2	2
<i>Thysanotus multiflorus</i>		1												
<i>Trifolium arvense</i> var. <i>arvense</i>	3				1				2					

<i>Trifolium repens</i>			1										2	2	
<i>Trifolium repens</i> var. <i>repens</i>															1
<i>Ursinia anthemoides</i>		1		1										4	3
<i>Vicia sativa</i>										1					
<i>Viminaria juncea</i>	1								3						
<i>Watsonia meriana</i> var. <i>bulbifera</i>	1														
<i>Watsonia</i> sp.	1				1	2		1	3						
<i>Xanthorrhoea brunonis</i>		2									3	2		4	2
<i>Xanthorrhoea preissii</i>	2								2						
<i>Xylomelum occidentale</i>												2		5	
<i>Zantedeschia aethiopica</i>		1				2					2		1		

[^] Nuytsia Volume 30 (DBCA 2019) (published on the 28 March 2019) includes a short communication on *Gastrolobium* sp. Harvey, which concludes that *Gastrolobium* sp. Harvey is best regarded as a variant or ecotype of *Gastrolobium capitatum*. *G. capitatum* is a common plant throughout the Bunbury region. It is anticipated that the advice published in Nuytsia Vol. 30 (DBCA 2019) will be adopted and the phrase name *Gastrolobium* sp. Harvey will no longer be current and be replaced with *Gastrolobium capitatum*.

APPENDIX G FLORA LIKELIHOOD OF OCCURRENCE ASSESSMENT

Family	Taxon	Status		Description and closest record information (if available) (WA Herbarium 1998-, DBCA 2018, SPRAT – DEE 2019)	Likelihood of occurrence	Source
		BC Act/ DBCA	EPBC Act			
Fabaceae	<i>Acacia flagelliformis</i>	P4	-	Rush-like, erect or sprawling shrub, 0.3-0.75(-1.6) m high. Fl. yellow, May to Sep. Sandy soils. Winter-wet areas.	Possible – closest record within 800 m near Centenary Road.	NatureMap, WA Herb, TPFL
Fabaceae	<i>Acacia semitrullata</i>	P4	-	Slender, erect, pungent shrub, (0.1-) 0.2-0.7(-1.5) m high. Fl. cream-white, May to Oct. White/grey sand, sometimes over laterite, clay. Sandplains, swampy areas.	Known – the closest previous record is from 600 m west of the survey area near Paris Road. Suitable habitat is present within the survey area and five locations were recorded during the 2018 survey within the survey area.	NatureMap, WA Herb, TPFL
Loganiaceae	<i>Adelphacme minima</i>	P3	-	Annual 10 -20 cm tall. Fl. White. Records mostly from the South Coast (Walpole) near swamps.	Unlikely – known to occur within 5 km of the survey area however generally restricted to the South Coast.	NatureMap, WA Herb
Asteraceae	<i>Angianthus drummondii</i>	P3	-	Erect annual, herb, to 0.1 m high. Fl. yellow, Oct to Dec. Grey or brown clay soils, ironstone. Seasonally wet flats.	Possible – know to occur within 380 m of the survey area near Centenary Road.	NatureMap, WA Herb
Ericaceae	<i>Andersonia gracilis</i>	VU	E	Slender erect or open straggly shrub, 0.1-0.5 m high. Flowers white-pink/purple from September to November. White/grey sand, sandy clay, gravelly loam. Winter-wet areas, near swamps.	Unlikely – this species has not be previously recorded within 5 km of the survey area.	PMST
Aponogetonaceae	<i>Aponogeton hexatepalus</i> (Stalked Water Ribbons)	P4	-	Rhizomatous or cormous, aquatic perennial, herb, leaves floating. Fl. green-white, Jul to Oct. Mud. Freshwater: ponds, rivers, claypans.	Likely – numerous occurrences recorded within 5 km of the survey area and suitable habitat present. The closest recorded occurrence is approx. 200 m from the survey area.	NatureMap, WA Herb, TPFL

Family	Taxon	Status		Description and closest record information (if available) (WA Herbarium 1998-, DBCA 2018, SPRAT – DEE 2019)	Likelihood of occurrence	Source
		BC Act/ DBCA	EPBC Act			
Poaceae	<i>Austrostipa bronwenae</i>	EN	E	Perennial grass, 0.6 m high x 0.3 m wide. Flowers green. Sept to October.	Possible – known to occur within 5 km of the survey area. Previous records in <i>Melaleuca</i> swamps. The closest recorded occurrence is approx. 2.2 km from the survey area.	PMST, NatureMap, WA Herb, TPFL
Poaceae	<i>Austrostipa jacobiana</i>	CE	CE	Tufted rhizomatous herb, to 1.2 m, leaf sheaths hairy. Marri woodland, Melaleuca tall shrubland.	Possible – known to occur within 5 km of the survey area and suitable habitat present.	PMST, NatureMap, WA Herb, TPFL
Proteaceae	<i>Banksia nivea</i> subsp. <i>uliginosa</i>	E	E	Dense, erect, non-lignotuberous shrub, 0.2-1.5 m high. Fl. yellow-brown, Aug to Sep. Sandy clay, gravel.	Unlikely – has not been previously recorded within 5 km of the survey area and limited suitable habitat.	PMST
Proteaceae	<i>Banksia squarrosa</i> subsp. <i>argillacea</i>	V	V	Erect, open, non-lignotuberous shrub, 1.2-4 m high. Fl. yellow, Jun to Nov. White/grey sand, gravelly clay or loam. Winter-wet flats, clay flats.	Unlikely – has not been previously recorded within 5 km of the survey area.	PMST
Rutaceae	<i>Boronia tetragona</i>	P3	-	Perennial, herb, 0.3-0.7 m high, leaves sessile, entire, with papillate margins, branches quadrangular, sepals ciliate. Fl. pink & red, Oct to Dec. Black/white sand, laterite, brown sandy loam. Winter-wet flats, swamps, open woodland.	Possible – known from within 5 km and suitable habitat present.	NatureMap, WA Herb

Family	Taxon	Status		Description and closest record information (if available) (WA Herbarium 1998-, DBCA 2018, SPRAT – DEE 2019)	Likelihood of occurrence	Source
		BC Act/ DBCA	EPBC Act			
Apiaceae	<i>Brachyscias verecundus</i>	CE	CE	Annual (or ephemeral), herb, 0.012-0.022 m high, entirely glabrous. Fl. white/cream. In a moss sward. On a granite outcrop.	Unlikely – this species has not been recorded within 5 km of the survey area. Suitable habitat unlikely to be present within the survey area.	PMST
Orchidaceae	<i>Caladenia huegelii</i>	CE	E	Tuberous, perennial, herb, 0.25-0.6 m high. Fl. green & cream & red, Sep to Oct. Grey or brown sand, clay loam.	Possible – this species has been previously recorded 2.8 km west of the northern extent of the survey area.	PMST, NatureMap, WA Herb, TPFL
Orchidaceae	<i>Caladenia speciosa</i>	P4	-	Tuberous, perennial, herb, 0.35-0.6 m high. Fl. white-pink, Sep to Oct. White, grey or black sand.	Known – database records show this species as recorded within 5 km of the survey area. Suitable habitat is present within the survey area and one location was identified during the 2018 survey within the survey area.	NatureMap, WA Herb, TPFL
Cyperaceae	<i>Carex tereticaulis</i>	P3	-	Monoecious, rhizomatous, tufted perennial, grass-like or herb (sedge), 0.7 m high. Fl. brown, Sep to Oct. Black peaty sand.	Possible – previously recorded 800 m north east of northern extent of survey area along Brunswick River.	NatureMap, WA Herb, TPFL
Xanthorrhoeaceae	<i>Chamaescilla gibsonii</i>	P3	-	Clumped tuberous, herb. Fl. blue, Sep. Clay to sandy clay. Winter-wet flats, shallow water-filled claypans.	Known – this species has been previously recorded within 5 km of the survey area. Suitable habitat is present within the survey area and two locations were recorded during the 2018 survey within the survey area.	NatureMap, WA Herb

Family	Taxon	Status		Description and closest record information (if available) (WA Herbarium 1998-, DBCA 2018, SPRAT – DEE 2019)	Likelihood of occurrence	Source
		BC Act/ DBCA	EPBC Act			
Myrtaceae	<i>Chamelaucium</i> sp. S coastal plain (R.D. Royce 4872) (Royce's Waxflower)	V	V	Intricately branched, spreading shrub up to 1.2 and 0.6 m across. Greenish-white flowers. Swamp margins in winter-wet sandy clay sites.	Unlikely – this species has not been recorded within 5 km of the survey area.	PMST
Myrtaceae	<i>Chamelaucium</i> sp. Yoongarillup (G.J. Keighery 3635)	P4	-	Erect shrub up to 1 m. Fl. Red flower. Nov – Feb. Sand, sandy loams and clayey sands on slopes and flats.	Unlikely – this species has not been recorded within 5 km of the survey area.	NatureMap, WA Herb
Asteraceae	<i>Craspedia</i> sp. Waterloo (G.J. Keighery 13724)	P2	-	Herb that grows to approximately 0.4 m in seasonally wet areas in clay soils.	Possible - Known from 1.5 km east along the railway line	NatureMap, WA Herb
Fabaceae	<i>Dillwynia dillwynioides</i>	P3	-	Decumbent or erect, slender shrub, 0.3-1.2 m high. Fl. red & yellow/orange, Aug to Dec. Sandy soils. Winter-wet depressions.	Possible – this species has been recorded within 5 km of the survey area, however suitable habitat is present in degraded condition.	NatureMap, WA Herb, TPFL
Orchidaceae	<i>Diuris drummondii</i>	V	V	Tuberous, perennial, herb, 0.5-1.05 m high. Fl. yellow, Nov to Dec or Jan. Low-lying depressions, swamps.	Possible – habitat present within swamps and known from within 500 m of the survey area near Willinge Drive. Targeted survey (2018) did not identify this species and suitable habitat was highly disturbed.	PMST, Naturemap, WA Herb, TPFL

Family	Taxon	Status		Description and closest record information (if available) (WA Herbarium 1998-, DBCA 2018, SPRAT – DEE 2019)	Likelihood of occurrence	Source
		BC Act/ DBCA	EPBC Act			
Orchidaceae	<i>Diuris micrantha</i>	V	V	Tuberous, perennial, herb, 0.3-0.6 m high. Fl. yellow & brown, Sep to Oct. Brown loamy clay. Winter-wet swamps, in shallow water.	Possible – this species has been recorded within 5 km of the survey area and habitat present. Survey undertaken during optimal time.	PMST, TPFL
Orchidaceae	<i>Diuris purdiei</i>	E	E	Tuberous, perennial, herb, 0.15-0.35 m high. Fl. yellow, Sep to Oct. Grey black sand, moist. Winter-wet swamps.	Unlikely – this species has not been previously recorded within 5 km of the survey area.	PMST
Orchidaceae	<i>Drakaea elastica</i>	CE	E	Tuberous, perennial, herb, 0.12-0.3 m high. Fl. red & green & yellow, Oct to Nov. White or grey sand. Low-lying situations adjoining winter-wet swamps.	Possible – database records show one location has been previously identified within the survey area (south of Brunswick River). This site searched and not recorded during the 2018 survey.	PMST, Naturemap, TPFL
Orchidaceae	<i>Drakaea micrantha</i>	E	V	Tuberous, perennial, herb, 0.15-0.3 m high. Fl. red & yellow, Sep to Oct. White-grey sand.	Possible – Known from 1 km west of the survey area near Ducane Road and South Western Highway.	PMST, WA Herb, TPFL
Cyperaceae	<i>Eleocharis keigheryi</i>	V	V	Rhizomatous, clumped perennial, grass-like or herb (sedge), to 0.4 m high. Fl. green, Aug to Nov. Clay, sandy loam. Emergent in freshwater: creeks, claypans.	Possible – known from 1 km west of the survey area along St Helena Road	PMST, Naturemap, WA Herb
Myrtaceae	<i>Eucalyptus rudis</i> subsp. <i>cratyantha</i>	P4	-	Tree, 5-20 m high, bark rough, box-type. Fl. white, Jul to Sep. Loam. Flats, hillsides	Possible – this species has been recorded within 5 km of the survey area.	Naturemap, WA Herb

Family	Taxon	Status		Description and closest record information (if available) (WA Herbarium 1998-, DBCA 2018, SPRAT – DEE 2019)	Likelihood of occurrence	Source
		BC Act/ DBCA	EPBC Act			
Proteaceae	<i>Franklandia triaristata</i>	P4	-	Erect, lignotuberous shrub, 0.2-1 m high. Fl. white-cream-yellow/brown-purple, Aug to Oct. White or grey sand.	Unlikely – the closest recorded occurrence of this species is approx. 5 km to the south of the survey area.	Naturemap, WA Herb
Fabaceae	<i>Gastrolobium whicherense</i>	P2	-	Slender, open shrub, to 1.6 m high. Fl. orange/yellow/red, Oct. Red-grey sandy clay over quartzite. Steep westerly slopes.	Unlikely – this species has been previously recorded within 5 km of the survey area however known records are in hilly areas.	NatureMap, WA Herb
Proteaceae	<i>Grevillea rosieri</i>	P2	-	Shrub. Fl. red, Jul or Sep. Sandy soils.	Possible – suitable habitat present and this species has been previously recorded within 5 km of the survey area.	NatureMap, WA Herb
Proteaceae	<i>Lambertia echinata</i> subsp. <i>occidentalis</i>	CE	E	Prickly, much-branched, non-lignotuberous shrub, to 3 m high. Fl. yellow, Feb or Apr or Dec. White sandy soils over laterite, orange/brown-red clay over ironstone. Flats to foothills, winter-wet sites.	Unlikely – this species has not been recorded within 5 km of the survey area.	PMST
Malvaceae	<i>Lasiopetalum membranaceum</i>	P3	-	Multi-stemmed shrub, 0.2-1 m high. Fl. pink-blue-purple, Sep to Dec. Sand over limestone.	Possible – closest record is 800 m from the survey area along Centenary Rd.	NatureMap, WA Herb, TPFL
Santalaceae	<i>Leptomeria furtiva</i>	P2	-	Lax, sprawling shrub, 0.2-0.45 m high. Fl. orange-brown, Aug to Oct. Grey or black peaty sand. Winter-wet flats.	Possible – known to occur within 2 km of the southern extent of the survey area.	NatureMap, WA Herb

Family	Taxon	Status		Description and closest record information (if available) (WA Herbarium 1998-, DBCA 2018, SPRAT – DEE 2019)	Likelihood of occurrence	Source
		BC Act/ DBCA	EPBC Act			
Ericaceae	<i>Leucopogon</i> sp. Busselton (D. Cooper 243)	P2	-	Erect shrub to 0.7 m, Fl white.	Possible – known to occur within 1.8 km of the southern extent of the survey area.	NatureMap, WA Herb
Menyanthaceae	<i>Ornduffia submersa</i>	P4	-	Small waterlily-like plant with hairy white flowers and oval, glossy leaves that float flat on the surface of the shallow water.	Possible – database records show this species has been previously identified approx. km west of the survey area.	NatureMap, TPFL
Apiaceae	<i>Platysace ramosissima</i>	P3	-	Perennial, herb, to 0.3 m high. Fl. white-cream, Oct to Nov. Sandy soils.	Possible – this species has been recorded within 5 km of the survey area and suitable habitat is considered likely to be present.	NatureMap, WA Herb, TPFL
Orchidaceae	<i>Pterostylis frenchii</i>	P2	-	Tuberous, herb, to 0.35 m high, with rosette leaves. Calcareous sand with limestone, laterite. Flatlands and gentle slopes.	Unlikely – the species has been previously recorded within 5 km of the survey area however it is considered unlikely that suitable habitat would be present within the survey area.	NatureMap, WA Herb
Fabaceae	<i>Pultenaea skinneri</i> (Skinner's Pea)	P4	-	Slender shrub, 1-2 m high. Fl. yellow/orange & red, Jul to Sep. Sandy or clayey soils. Winter-wet depressions.	Possible – this species has been previously recorded 400 m north of the northern extent of the survey area.	NatureMap, WA Herb, TPFL
Polygonaceae	<i>Rumex drummondii</i>	P4	-	Erect perennial, herb, 0.6-0.9 m high. Winter-wet disturbed areas.	Possible – suitable habitat present and has been previously recorded within 5 km of the survey area.	NatureMap, WA Herb

Family	Taxon	Status		Description and closest record information (if available) (WA Herbarium 1998-, DBCA 2018, SPRAT – DEE 2019)	Likelihood of occurrence	Source
		BC Act/ DBCA	EPBC Act			
Cyperaceae	<i>Schoenus benthamii</i>	P3	-	Tufted perennial, grass-like or herb (sedge), 0.15-0.45 m high. Fl. brown, Oct to Nov. White, grey sand, sandy clay. Winter-wet flats, swamps.	Possible – suitable habitat present and has been previously recorded within 5 km of the survey area.	NatureMap, WA Herb, TPFL
Cyperaceae	<i>Schoenus capillifolius</i>	P3	-	Semi-aquatic tufted annual, grass-like or herb (sedge), 0.05 m high. Fl. green, Oct to Nov. Brown mud. Claypans.	Likely – database records show that this species has been previously recorded within 20 m of the survey area along Wireless Road.	NatureMap, WA Herb
Cyperaceae	<i>Schoenus loliaceus</i>	P2	-	Annual, grass-like or herb (sedge), 0.03-0.06 m high. Fl. Aug to Nov. Sandy soils. Winter-wet depressions.	Possible – this species has been previously recorded approx. 2.6 km west of the southern end of the survey area.	NatureMap, WA Herb
Stylidiaceae	<i>Stylidium longitubum</i> (Jumping Jacks)	P4	-	Erect annual (ephemeral), herb, 0.05-0.12 m high. Fl. pink, Oct to Dec. Sandy clay, clay. Seasonal wetlands.	Likely – database records show that this species has been previously recorded within 200 m of the survey area along Queelup Road.	NatureMap, TPFL
Proteaceae	<i>Synaphea</i> sp. Fairbridge Farm (D. Papenfus 696)	CE	CE	Dense, clumped shrub, to 0.3 m high, to 0.4 m wide. Fl. yellow, Oct. Sandy with lateritic pebbles. Near winter-wet flats, in low woodland with weedy grasses.	Unlikely – this species has not been recorded within 5 km of the survey area.	PMST
Proteaceae	<i>Synaphea</i> sp. Serpentine (G.R. Brand 103)	CE	CE	Flowers from late August to November and fruits have been seen in December, occurs predominantly on flat terrain on	Unlikely – this species has not been recorded within 5 km of the survey area.	PMST

Family	Taxon	Status		Description and closest record information (if available) (WA Herbarium 1998-, DBCA 2018, SPRAT – DEE 2019)	Likelihood of occurrence	Source
		BC Act/ DBCA	EPBC Act			
				grey-brown sandy loams to clay in seasonally wet areas.		
Proteaceae	<i>Synaphea stenoloba</i>	CE	E	Caespitose shrub, 0.3-0.45 m high. Fl. yellow, Aug to Oct. Sandy or sandy clay soils. Winter-wet flats, granite.	Unlikely – this species has not been recorded within 5 km of the survey area. Granite habitat is unlikely to be present within the survey area.	PMST
Proteaceae	<i>Synaphea odocoileops</i>	P1	-	Tufted, compact shrub, 0.2-0.5 m high. Fl. yellow, Aug to Oct. Brown-orange loam and sandy clay, granite. Swamps, winter-wet areas.	Possible – database records show this species has been previously recorded within 250 m west of survey area in bushland between South Western Highway and railway line.	NatureMap, WA Herb, TPFL
Orchidaceae	<i>Thelymitra variegata</i> (Queen of Sheba)	P2	-	Tuberous, perennial, herb, 0.1-0.35 m high. Fl. orange & red & purple & pink, Jun to Sep. Sandy clay, sand, laterite.	Unlikely – this species has not been recorded within 5 km of the survey area.	NatureMap, WA Herb
Myrtaceae	<i>Verticordia attenuata</i>	P3	-	Shrub, 0.4-1 m high. Fl. pink, Dec or Jan to May. White or grey sand. Winter-wet depressions.	Possible – this species has not been previously recorded within the survey area database records show it has been identified 1 km north of the Brunswick River and 1.2 km north of Martin Pelusey Road.	NatureMap, WA Herb, TPFL

TSSC (2018a). Conservation Advice *Austrostipa bronwenae* http://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=87808



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