Appendix E

Habitat Hectare Results

We Deliver

Investigation Area Name		McIntyre Road Overbridge (Sunshine)	Keilor Park Drive Overbridge (Keilor East)	Keilor Park Drive Overbridge (Keilor East)	Keilor Park Drive Overbridge (Keilor East)	Calder Freeway Precinct (Keilor East)	Calder Freeway Precinct (Keilor East)	Calder Freeway Precinct (Keilor East)	Calder Freeway Precinct (Keilor East)	Calder Freeway Precinct (Keilor East)	Calder Freeway Precinct (Keilor East)	Calder Freeway Precinct (Keilor East)	Calder Freeway Precinct (Keilor East)
Habitat zone		MIR_HZ01	KP_HZ01	KP_HZ02	KP_HZ03	CF_HZ01	CF_HZ02	CF_HZ03	CF_HZ04	CF_HZ05	CF_HZ06	CF_HZ07	CF_HZ08
Bioregion		Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain
EVC name		132_61: Heavier-soils Plains Grassland	132: Plains grassland	132_61: Heavier-soils Plains Grassland	132_61: Heavier-soils Plains Grassland	132: Plains grassland	132: Plains grassland	132: Plains grassland	132: Plains grassland	132_61: Heavier-soils Plains Grassland	132_61: Heavier-soils Plains Grassland	132_61: Heavier-soils Plains Grassland	132_61: Heavier-soils Plains Grassland
EVC conservation status		Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered
Impact Area		0.280400008	0.056200001	0.059500001	0.0084	0.0173	0.083700001	0.0058	0.0244	0	0.0116	0.037999999	0.0043
EPBC community		Natural Temperate Grassland	No	No	No	No	No	No	No	Natural Temperate Grassland	No	No	No
FFG community		Western (Basalt) Plains Grassland	No	No	No	No	No	No	No	Western (Basalt) Plains Grassland	No	No	No
Site Condition Score	Large trees	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Tree canopy cover	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	Understorey	20	5	10	10	5	5	5	5	5	5	5	5
	Lack of weeds	4	6	4	7	4	2	4	4	4	4	4	4
	Recruitment	3	3	6	6	0	6	0	1	6	3	6	6
	Organic litter	5	5	4	3	2	4	2	4	5	3	3	3
	Logs	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	EVC standardiser	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36
	Standarised score	43.52	25.84	32.64	35.36	14.96	23.12	14.96	19.04	27.2	20.4	24.48	24.48
Landscape Context Score	Patch size	8	1	1	1	1	1	1	1	1	1	1	1
	Neighourhood	2	0	0	0	0	0	0	0	0	0	0	0
	Distance to core	4	0	1	0	0	0	0	0	0	0	0	0
	Total Landscape Context Score	14	1	2	1	1	1	1	1	1	1	1	1
Total	Habitat score	57.52	26.84	34.64	36.36	15.96	24.12	15.96	20.04	28.2	21.4	25.48	25.48
Habitat score ÷ 100		0.5752	0.2684	0.3464	0.3636	0.1596	0.2412	0.1596	0.2004	0.282	0.214	0.2548	0.2548
Habitat hectares		0.161286085	0.01508408	0.0206108	0.00305424	0.00276108	0.02018844	0.00092568	0.00488976	0	0.0024824	0.0096824	0.00109564

Westfield Drive Overbridge (Tullamarine)	Westfield Drive Overbridge (Tullamarine)	Tullamarine Freeway Precinct (Strathmore Heights)	Track Slew Investigation Area A	Track Slew Investigation Area A	Pascoe Vale Road Overbridge (Glenroy) and Jacana Station Footbridge (Glenroy)	Camp Road Overbridge (Broadmeadows)	Barry Road Overbridge (Dallas)	Barry Road Overbridge (Dallas)	Barry Road Overbridge (Dallas)	Barry Road Overbridge (Dallas)	Hume Highway Overbridge (Craigieburn)	Hume Highway Overbridge (Craigieburn)	Hume Highway Overbridge (Craigieburn)	Hume Highway Overbridge (Craigieburn)
WD_HZ01	WD_HZ02	TF_HZ01	TSA_HZ01	TSA_HZ02	PV_HZ01	CR_HZ01	BR_HZ01	BR_HZ02	BR_HZ03	BR_HZ04	HFC_HZ01	HFC_HZ02	HFC_HZ03	HFC_HZ04
Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain
132: Plains grassland	132: Plains grassland	132: Plains grassland	68: Creekline Grassy Woodland	55: Plains Grassy Woodland	55: Plains Grassy Woodland	132_61: Heavier-soils Plains Grassland	132: Plains grassland	132: Plains grassland	132: Plains grassland	132_61: Heavier-soils Plains Grassland	55: Plains Grassy Woodland	55: Plains Grassy Woodland	55: Plains Grassy Woodland	132_61: Heavier-soils Plains Grassland
Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered
0.018200001	0.018200001	0.033599999	0.0016	0.039500002	0.048599999	0.024700001	0	0	0	0	0.005	0.228699997	0.0133	0.1118
No	No	No	No	No	No	No	No	No	No	Natural Temperate Grassland	No	No	No	Natural Temperate Grassland
No	No	No	No	No	No	No	No	No	No	Western (Basalt) Plains Grassland	No	No	No	Western (Basalt) Plains Grassland
n/a	n/a	n/a	0	0	0	n/a	n/a	n/a	n/a	n/a	0	0	0	Unable to be
n/a	n/a	n/a	5	0	3	n/a	n/a	n/a	n/a	n/a	0	0	0	
5	5	5	5	15	0	5	5	5	5	15	5	15	0	
4	4	4	4	0	0	11	4	4	4	7	0	0	5	
0	0	3	5	6	0	0	0	0	0	6	5	10	5	
5	5	3	2	5	4	0	4	4	4	3	3	2	3	
n/a	n/a	n/a	0	0	0	n/a	n/a	n/a	n/a	n/a	0	0	0	
1.36	1.36	1.36	1	1	1	1.36	1.36	1.36	1.36	1.36	1	1	1	
19.04	19.04	20.4	21	26	7	21.76	17.68	17.68	17.68	42.16	13	27	13	
1	1	1	1	1	1	1	1	1	1	2	1	1	1	
0	0	0	0	0	0	0	0	0	0	1	3	2	2	
0	0	0	0	0	0	0	0	0	0	1	0	3	3	
1	1	1	1	1	1	1	1	1	1	4	4	6	6	
20.04	20.04	21.4	22	27	8	22.76	18.68	18.68	18.68	46.16	17	33	19	
0.2004	0.2004	0.214	0.22	0.27	0.08	0.2276	0.1868	0.1868	0.1868	0.4616	0.17	0.33	0.19	
0.00364728	0.00364728	0.0071904	0.000352	0.010665	0.003888	0.00562172	0	0	0	0	0.00085	0.075470999	0.002527	

Track Slew Investigation Area C	Track Slew Investigation Area C	Track Slew Investigation Area C	Track Slew Investigation Area C	Track Slew Investigation Area C	Track Slew Investigation Area C	Track Slew Investigation Area C	Track Slew Investigation Area C	Track Slew Investigation Area C	Track Slew Investigation Area C	Track Slew Investigation Area C	Track Slew Investigation Area C	Track Slew Investigation Area C	Broadford Road Overbridge (Wandong)	Broadford Road Overbridge (Wandong)
TSC_HZ01	TSC_HZ02	TSC_HZ05	TSC_HZ06	TSC_HZ08	TSC_HZ09	TSC_HZ10	TSC_HZ11	TSC_HZ14	TSC_HZ16	TSC_HZ17	TSC_HZ18	TSC_HZ20	BRW_HZ01	BRW_HZ02
Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Central Victorian Uplands	Central Victorian Uplands
83: Swampy Riparian Woodland	132: Plains Grassland	83: Swampy Riparian Woodland	83: Swampy Riparian Woodland	83: Swampy Riparian Woodland	132: Plains Grassland	83: Swampy Riparian Woodland	132: Plains Grassland	83: Swampy Riparian Woodland	83: Swampy Riparian Woodland	83: Swampy Riparian Woodland	83: Swampy Riparian Woodland	132: Plains Grassland	47: Valley Grassy Forest	47: Valley Grassy Forest
Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Vulnerable	Vulnerable
0.163299993	0	0.0196	0.0088	0	0	0.006	0.009	0	0	0	0	0.0004	0.037	0.0116
No	No	No	No	No	Natural Temperate Grassland	No	Natural Temperate Grassland	No	No	No	No	No	No	No
No	No	No	No	No	Western (Basalt) Plains Grassland	No	Western (Basalt) Plains Grassland	No	No	No	No	No	No	No
5	n/a	0	0	0	n/a	0	n/a	0	0	0	0	n/a	0	0
0	n/a	0	0	0	n/a	0	n/a	0	0	0	0	n/a	0	0
5	15	5	5	5	10	5	15	5	5	5	5	15	5	5
9	4	2	2	0	7	0	4	0	0	0	0	4	0	0
0	0	3	3	0	6	3	0	0	0	0	0	0	3	3
3	4	4	4	4	4	4	4	4	4	4	4	4	4	4
4	n/a	0	0	0	5	0	n/a	0	0	0	0	n/a	0	0
1	1.36	1	1	1	1.36	1	1.36	1	1	1	1	1.36	1	1
26	31.28	14	14	9	43.52	12	31.28	9	9	9	9	31.28	12	12
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	3	3	3	3	3	3	3	3	3	3	3	3	0	0
2	2	2	2	2	2	2	2	2	2	2	2	2	3	3
6	6	6	6	6	6	6	6	6	6	6	6	6	4	4
32	37.28	20	20	15	49.52	18	37.28	15	15	15	15	37.28	16	16
0.32	0.3728	0.2	0.2	0.15	0.4952	0.18	0.3728	0.15	0.15	0.15	0.15	0.3728	0.16	0.16
0.052255998	0	0.00392	0.00176	0	0	0.00108	0.0033552	0	0	0	0	0.00014912	0.00592	0.001856

Signal gantry 15	Signal gantry 16	Hamilton Street Overbridge (Broadford)	Hamilton Street Overbridge (Broadford)	Hamilton Street Overbridge (Broadford)	Hamilton Street Overbridge (Broadford)	Hamilton Street Overbridge (Broadford)	Hamilton Street Overbridge (Broadford)	Short Street Overbridge (Broadford)	Short Street Overbridge (Broadford)	Short Street Overbridge (Broadford)	Short Street Overbridge (Broadford)	Short Street Overbridge (Broadford)	Short Street Overbridge (Broadford)	Short Street Overbridge (Broadford)
SG66_HZ01	SG69_HZ01	HS_HZ01	HS_HZ04	HS_HZ05	HS_HZ06	HS_HZ07	HS_HZ08	SS_HZ01	SS_HZ02	SS_HZ03	SS_HZ04	SS_HZ05	SS_HZ06	SS_HZ07
Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Victorian Riverina	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Victorian Riverina	Victorian Riverina
55: Plains grassy woodland	175: Grassy woodland	175: Grassy woodland	55: Plains grassy wooland	175: Grassy woodland	175: Grassy woodland	175: Grassy woodland	175: Grassy woodland	55: Plains Grassy Woodland	55: Plains Grassy Woodland	55: Plains Grassy Woodland	55: Plains Grassy Woodland	55: Plains Grassy Woodland	55: Plains Grassy Woodland	55: Plains Grassy Woodland
Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered
0.0149	0.0154	0.142399997	0.144700006	0.144400001	0.0126	0.039299998	0.0308	0.263000011	0.0128	0.0174	0.0075	0.0539	0.0038	0
No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
No	No	No	No	No	No	No	No	Victorian Temperate Woodland Bird Community	No	No	No	No	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community
0	0	0	0	4	0	0	0	6	0	10	0	0	0	10
0	3	0	4	3	5	0	4	5	0	3	0	0	0	2
5	15	15	5	5	5	15	15	5	5	5	5	5	15	15
0	9	9	0	0	4	9	9	4	0	0	0	0	9	9
0	3	3	3	3	0	3	3	5	5	0	5	0	10	1
3	5	3	5	4	3	3	5	5	4	2	4	2	5	5
0	0	0	2	3	0	0	0	2	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	35	30	19	22	17	30	36	32	14	20	14	7	39	42
1	8	1	6	6	6	1	1	6	1	1	1	1	6	6
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	3	3	3	3	3	3	3
2	9	2	7	7	7	2	2	9	4	4	4	4	9	9
10	44	32	26	29	24	32	38	41	18	24	18	11	48	51
0.1	0.44	0.32	0.26	0.29	0.24	0.32	0.38	0.41	0.18	0.24	0.18	0.11	0.48	0.51
0.00149	0.006776	0.045567999	0.037622001	0.041876	0.003024	0.012575999	0.011704	0.107830005	0.002304	0.004176	0.00135	0.005929	0.001824	0

Short Street Overbridge (Broadford)	Short Street Overbridge (Broadford)	Short Street Overbridge (Broadford)	Short Street Overbridge (Broadford)	Short Street Overbridge (Broadford)	Short Street Overbridge (Broadford)	Short Street Overbridge (Broadford)	Short Street Overbridge (Broadford)	Short Street Overbridge (Broadford)	Marchbanks Road Overbridge (Broadford)	Marchbanks Road Overbridge (Broadford)	Marchbanks Road Overbridge (Broadford)	Marchbanks Road Overbridge (Broadford)	Marchbanks Road Overbridge (Broadford)	Marchbanks Road Overbridge (Broadford)
SS_HZ10	SS_HZ11	SS_HZ12	SS_HZ13	SS_HZ14	SS_HZ15	SS_HZ16	SS_HZ17	SS_HZ18	MR_HZ01	MR_HZ02	MR_HZ03	MR_HZ04	MR_HZ05	MR_HZ06
Central Victorian Uplands	Central Victorian Uplands	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Mitchell	Victorian Riverina	Victorian Riverina	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands
55: Plains Grassy Woodland	55: Plains Grassy Woodland	55: Plains Grassy Woodland	55: Plains Grassy Woodland	55: Plains Grassy Woodland	55: Plains Grassy Woodland	55: Plains Grassy Woodland	55: Plains Grassy Woodland	55: Plains Grassy Woodland	55: Plains grassy wooland	55: Plains grassy wooland	55: Plains grassy wooland	175: Grassy woodland	175: Grassy woodland	175: Grassy woodland
Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered
0.300700009	0.034200002	0	0.032699998	0.036499999	0.024	0.0208	0.111599997	0	0.0266	0.215599999	0.313600004	0.071999997	0.108000003	0.0021
No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Victorian Temperate Woodland Bird Community	No	No	No	No	No	No	Victorian Temperate Woodland Bird Community	No	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	No	Victorian Temperate Woodland Bird Community	No
4	0	0	0	0	0	0	9	0	3	10	8	0	8	8
3	0	0	5	0	0	2	2	0	5	5	5	5	5	5
5	15	5	5	5	5	5	5	5	5	5	5	5	5	5
4	4	0	6	6	0	2	2	6	2	2	0	0	0	0
5	5	5	0	0	0	3	3	0	3	3	3	3	3	3
5	3	2	5	3	2	2	2	2	3	5	5	5	5	5
0	0	0	0	0	0	0	0	0	2	2	2	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	27	12	21	14	7	14	23	13	23	32	28	18	26	26
6	6	6	6	6	1	1	1	1	4	1	1	4	4	4
0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
3	3	3	3	3	1	1	1	1	3	3	3	3	3	3
9	9	9	9	9	2	2	2	2	8	5	5	8	8	8
35	36	21	30	23	9	16	25	15	31	37	33	26	34	34
0.35	0.36	0.21	0.3	0.23	0.09	0.16	0.25	0.15	0.31	0.37	0.33	0.26	0.34	0.34
0.105245003	0.012312001	0	0.00981	0.008395	0.00216	0.003328	0.027899999	0	0.008246	0.079772	0.103488001	0.018719999	0.036720001	0.000714

Marchbanks Road Overbridge (Broadford)	Marchbanks Road Overbridge (Broadford)	Marchbanks Road Overbridge (Broadford)	Marchbanks Road Overbridge (Broadford)	Marchbanks Road Overbridge (Broadford)	Marchbanks Road Overbridge (Broadford)	Marchbanks Road Overbridge (Broadford)	Marchbanks Road Overbridge (Broadford)	Marchbanks Road Overbridge (Broadford)	Signal Gantry 18	Signal gantry 19	Hume Highway Tallarook Precinct (Tallarook)	Hume Highway Tallarook Precinct (Tallarook)	Hume Highway Tallarook Precinct (Tallarook)	Hume Highway Tallarook Precinct (Tallarook)
MR_HZ07	MR_HZ08	MR_HZ9	MR_H10	MR_HZ11	MR_HZ12	MR_HZ13	MR_HZ14	MR_HZ15	SG79_HZ01	SG86_HZ01	HFT_HZ01	HFT_HZ02	HFT_HZ03	HFT_HZ04
Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands
55: Plains grassy woodland	55: Plains grassy woodland	55: Plains grassy woodland	55: Plains grassy woodland	55: Plains grassy woodland	55: Plains grassy woodland	55: Plains grassy woodland	55: Plains grassy woodland	55: Plains grassy woodland	175: Grassy woodland	175: Grassy woodland	175: Grassy woodland	175: Grassy woodland	175: Grassy woodland	55: Plains grassy wooland
Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered
0	0.082000002	0	0.309899986	0.247199997	0.0195	0.0222	0.0045	0.026799999	0.0048	0.0006	0.129199997	0.200200006	0.065800004	0.312999994
No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
No	No	No	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	No	No	No	No	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	No	Victorian Temperate Woodland Bird Community	No	Victorian Temperate Woodland Bird Community
9	0	0	10	3	0	0	0	0	6	10	0	0	0	8
2	5	5	5	5	5	0	5	5	5	5	4	4	0	4
15	5	5	5	5	5	5	5	0	5	5	20	20	5	15
9	0	0	0	2	0	6	0	0	6	0	7	7	0	4
3	3	3	3	3	0	0	0	0	5	0	10	10	3	10
5	5	5	5	3	5	3	5	5	5	3	5	5	2	5
0	0	0	3	2	0	0	0	0	0	3	2	2	0	4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
43	18	18	31	23	15	14	15	10	32	26	48	48	10	50
1	1	1	4	4	4	4	4	4	1	2	8	8	1	8
1	1	1	1	1	1	1	1	1	1	1	4	4	3	4
3	3	3	3	3	3	3	3	3	3	3	4	4	3	4
5	5	5	8	8	8	8	8	8	5	6	16	16	7	16
48	23	23	39	31	23	22	23	18	37	32	64	64	17	66
0.48	0.23	0.23	0.39	0.31	0.23	0.22	0.23	0.18	0.37	0.32	0.64	0.64	0.17	0.66
0	0.018860001	0	0.120860994	0.076631999	0.004485	0.004884	0.001035	0.004824	0.001776	0.000192	0.082687998	0.128128004	0.011186001	0.206579996

Hume Highway Tallarook Precinct (Tallarook)	Hume Highway Tallarook Precinct (Tallarook)	Hume Highway Tallarook Precinct (Tallarook)	Hume Highway Tallarook Precinct (Tallarook)	Hume Highway Tallarook Precinct (Tallarook)	Hume Highway Tallarook Precinct (Tallarook)	Hume Highway Tallarook Precinct (Tallarook)	Hume Highway Tallarook Precinct (Tallarook)	Hume Highway Tallarook Precinct (Tallarook)	Hume Highway Tallarook Precinct (Tallarook)	Track Slew Investigation Area D	Track Slew Investigation Area E	Track Slew Investigation Area E	Track Slew Investigation Area E	Track Slew Investigation Area E
HFT_HZ05	HFT_HZ06	HFT_HZ07	HFT_HZ08	HFT_HZ09	HFT_HZ10	HFT_HZ11	HFT_HZ12	HFT_HZ13	HFT_HZ14	TSD_HZ01	TSE_HZ01	TSE_HZ02	TSE_HZ03	TSE_HZ04
Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina
175: Grassy woodland	175: Grassy woodland	175: Grassy woodland	175: Grassy woodland	175: Grassy woodland	55: Plains grassy wooland	55: Plains grassy wooland	175: Grassy woodland	175: Grassy Woodland	175: Grassy Woodland	175: Grassy Woodland	56: Floodplain Riparian Woodland	56: Floodplain Riparian Woodland	56: Floodplain Riparian Woodland	56: Floodplain Riparian Woodland
Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Vulnerable	Vulnerable	Vulnerable	Vulnerable
0.423700005	0.061099999	0.0288	0.3829	0.212699994	0.128800005	0.396200001	0.352299988	0.0414	0.056400001	0.016899999	0	0	0	0
No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	No	No	Victorian Temperate Woodland Bird Community	No	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	No	No	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community
4	0	0	0	8	0	10	8	0	0	3	Habitat	Habitat	Habitat	Habitat
5	0	0	0	4	0	4	4	3	0	3				
25	15	5	15	20	20	20	5	15	10	15				
6	4	0	7	7	7	7	0	11	11	11				
10	10	3	6	10	10	10	3	6	10	6				
3	2	2	5	5	5	5	5	5	3	5				
3	0	0	0	2	2	2	2	0	0					
1	1	1	1	1	1	1	1	1	1	1				
56	31	10	33	56	44	58	27	40	34	43				
8	1	1	8	8	8	8	8	8	8	8				
4	3	3	4	4	4	4	4	4	4	5				
4	3	3	4	4	4	4	4	5	5	4				
16	7	7	16	16	16	16	16	17	17	17				
72	38	17	49	72	60	74	43	57	51	60				
0.72	0.38	0.17	0.49	0.72	0.6	0.74	0.43	0.57	0.51	0.6				
0.305064003	0.023217999	0.004896	0.187621	0.153143996	0.077280003	0.293188001	0.151488995	0.023598	0.028764001	0.01014				

Track Slew Investigation Area E	Track Slew Investigation Area E	Track Slew Investigation Area E	Track Slew Investigation Area E	Track Slew Investigation Area E	Track Slew Investigation Area E	Track Slew Investigation Area E	Seymour-Avenel Road Overbridge (Seymour)	Seymour-Avenel Road Overbridge (Seymour)	Seymour-Avenel Road Overbridge (Seymour)	Seymour-Avenel Road Overbridge (Seymour)	Seymour-Avenel Road Overbridge (Seymour)	Seymour-Avenel Road Overbridge (Seymour)	Seymour-Avenel Road Overbridge (Seymour)	Seymour-Avenel Road Overbridge (Seymour)
TSE_HZ05	TSE_HZ06	TSE_HZ07	TSE_HZ08	TSE_HZ09	TSE_HZ10	TSE_HZ11	SA_HZ01	SA_HZ02	SA_HZ03	SA_HZ04	SA_HZ05	SA_HZ06	SA_HZ07	SA_HZ08
Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands
56: Floodplain Riparian Woodland	56: Floodplain Riparian Woodland	56: Floodplain Riparian Woodland	56: Floodplain Riparian Woodland	56: Floodplain Riparian Woodland	56: Floodplain Riparian Woodland	56: Floodplain Riparian Woodland	61: Box ironbark forest	61: Box ironbark forest	55: Plains grassy wooland	55: Plains grassy wooland	61: Box ironbark forest	61: Box ironbark forest	61: Box ironbark forest	61: Box ironbark forest
Vulnerable	Vulnerable	Vulnerable	Vulnerable	Vulnerable	Vulnerable	Vulnerable	Vulnerable	Vulnerable	Endangered	Endangered	Vulnerable	Vulnerable	Vulnerable	Vulnerable
0	0	0	0	0	0	0	0.264800012	0.068499997	0.149200007	0.538100004	0.613399982	0.202900007	0.379500002	0.481700003
No	No	No	No	No	No	No	No	Grey box grassy woodland	No	No	Grey box grassy woodland	Grey box grassy woodland	No	No
Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	No	Victorian Temperate Woodland Bird Community	No	No	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	No	No
Habitat	Habitat	Habitat	Habitat	Habitat	Habitat	Habitat	4	3	0	0	4	6	0	0
							5	3	5	3	5	5	0	0
							15	15	5	5	15	10	15	15
							13	15	6	11	13	4	13	9
							6	6	5	5	10	3	10	3
							3	5	5	5	5	5	5	3
							2	2	3	2	2	0	2	0
							1	1	1	1	1	1	1	1
							48	49	29	31	54	33	45	30
							8	8	8	8	8	8	8	8
							2	2	2	2	2	2	2	2
							4	4	4	4	3	3	4	4
							14	14	14	14	13	13	14	14
							62	63	43	45	67	46	59	44
							0.62	0.63	0.43	0.45	0.67	0.46	0.59	0.44
							0.164176008	0.043154998	0.064156003	0.242145002	0.410977988	0.093334003	0.223905001	0.211948001

Seymour-Avenel Road Overbridge (Seymour)	Seymour-Avenel Road Overbridge (Seymour)	Seymour-Avenel Road Overbridge (Seymour)	Seymour-Avenel Road Overbridge (Seymour)	Seymour-Avenel Road Overbridge (Seymour)	Seymour-Avenel Road Overbridge (Seymour)	Seymour-Avenel Road Overbridge (Seymour)	Seymour-Avenel Road Overbridge (Seymour)	Track Slew Investigation Area G	Track Slew Investigation Area G	Track Slew Investigation Area G	Hume Highway Seymour Precinct (Seymour)	Hume Highway Seymour Precinct (Seymour)	Hume Highway Seymour Precinct (Seymour)	Hume Highway Seymour Precinct (Seymour)
SA_HZ09	SA_HZ10	SA_HZ11	SA_HZ12	SA_HZ13	SA_HZ14	SA_HZ15	SA_HZ19	TSG_HZ1	TSG_HZ2	TSG_HZ3	HFS_HZ01	HFS_HZ02	HFS_HZ03	HFS_HZ04
Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands
61: Box ironbark forest	61: Box ironbark forest	61: Box ironbark forest	55: Plains Grassy Woodland	61: Box ironbark forest	61:Box ironbark forest	55:Plains Grassy Woodland	55:Plains Grassy Woodland	55: Plains Grassy Woodland	55: Plains Grassy Woodland	55: Plains Grassy Woodland	61: Box ironbark forest	61: Box ironbark forest	61: Box ironbark forest	61: Box ironbark forest
Vulnerable	Vulnerable	Vulnerable	Endangered	Vulnerable	Vulnerable	Endangered	Endangered	Endangered	Endangered	Endangered	Vulnerable	Vulnerable	Vulnerable	Vulnerable
0.115500003	0.218199998	0.044	0.138099998	0.421400011	0.082	0.046	0.035300002	0	0	0	0.239600003	0.0054	0.0801	0.0427
No	Grey box grassy woodland	Grey box grassy woodland	Grey box grassy woodland	Grey box grassy woodland	No	No	No	Grey box grassy woodland	Grey box grassy woodland	Grey box grassy woodland	Grey box grassy woodland	No	Grey box grassy woodland	Grey box grassy woodland
No	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	No	No	No	No	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	No	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community
0	0	4	8	10	0	0	0	0	9	8	4	0	3	0
3	5	3	5	5	0	5	4	4	5	5	5	0	5	0
15	15	15	15	15	15	5	5	15	5	15	15	5	15	5
13	13	15	13	13	7	4	0	4	6	13	7	0	7	0
10	6	6	10	10	10	5	5	3	5	10	10	5	10	5
5	3	5	5	5	5	5	3	3	5	5	5	4	5	4
2	2	2	2	2	0	0	4	0	3	2	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
48	44	50	58	60	37	24	21	29	38	58	46	14	45	14
8	8	8	8	8	1	8	8	6	8	8	8	8	8	8
2	2	2	2	2	2	2	2	4	2	2	1	1	1	1
4	4	4	3	4	4	2	4	4	4	3	4	4	4	4
14	14	14	13	14	7	12	14	14	14	13	13	13	13	13
62	58	64	71	74	44	36	35	43	52	71	59	27	58	27
0.62	0.58	0.64	0.71	0.74	0.44	0.36	0.35	0.43	0.52	0.71	0.59	0.27	0.58	0.27
0.071610002	0.126555999	0.02816	0.098050999	0.311836008	0.03608	0.01656	0.012355001	0	0	0	0.141364002	0.001458	0.046458	0.011529

Hume Highway Seymour Precinct (Seymour)	Hume Highway Seymour Precinct (Seymour)	Hume Highway Seymour Precinct (Seymour)	Hume Highway Seymour Precinct (Seymour)	Hume Highway Seymour Precinct (Seymour)	Hume Highway Seymour Precinct (Seymour)	Hume Highway Seymour Precinct (Seymour)	Hume Highway Seymour Precinct (Seymour)	Track Slew Investigation Area I	Track Slew Investigation Area I	Track Slew Investigation Area I	Track Slew Investigation Area I	Benalla Station Approach Road Overbridge (Benalla)	Benalla Station Approach Road Overbridge (Benalla)	Benalla Station Approach Road Overbridge (Benalla)
HFS_HZ05	HFS_HZ06	HFS_HZ07	HFS_HZ08	HFS_HZ09	HFS_HZ10	HFS_HZ11	HFS_HZ12	TSI_HZ01	TSI_HZ02	TSI_HZ03	TSI_HZ04	BS_HZ01	BS_HZ02	BS_HZ03
Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Victorian Riverina	Victorian Riverina	Victorian Riverina
61: Box ironbark forest	61: Box ironbark forest	61: Box ironbark forest	61: Box ironbark forest	55: Plains Grassy Woodland	55: Plains Grassy Woodland	61: Box ironbark forest	61: Box ironbark forest	55: Plains Grassy Woodland	55: Plains Grassy Woodland	125: Plains Grassy Wetland	55: Plains Grassy Woodland	55: Plains Grassy Woodland	55: Plains Grassy Woodland	55: Plains Grassy Woodland
Vulnerable	Vulnerable	Vulnerable	Vulnerable	Endangered	Endangered	Vulnerable	Vulnerable	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered
0.067400001	0.458499998	0.200599998	0.64230001	0.038699999	0.067000002	0	0.156900004	0	0	0	0	0.0008	0	0
Grey box grassy woodland	Grey box grassy woodland	Grey box grassy woodland	Grey box grassy woodland	Grey box grassy woodland	Grey box grassy woodland	No	No	No	Grey box grassy woodland	No	Grey box grassy woodland	No	No	No
Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	No	Victorian Temperate Woodland Bird Community	No	Victorian Temperate Woodland Bird Community	No	No	No
8	4	10	3	0	0	9	3	0	0	n/a	3	0	0	0
0	5	5	5	4	4	4	3	4	4	n/a	4	0	0	0
5	15	15	15	15	20	5	5	15	15	5	20	5	5	15
0	7	7	7	6	6	0	9	9	9	11	9	9	9	6
5	10	10	10	10	10	5	5	6	6	0	10	0	0	0
4	5	5	5	3	3	3	4	5	5	2	3	3	3	5
0	0	0	0	2	2	2	2	2	2	n/a	2	0	0	0
1	1	1	1	1	1	1	1	1	1	1.36	1	1	1	1
22	46	52	45	40	45	28	31	41	41	24.48	51	17	17	26
8	8	8	8	8	8	8	8	8	8	8	8	1	1	1
1	1	1	1	2	2	1	1	2	2	3	2	0	0	0
4	3	3	3	3	3	4	4	3	3	2	3	3	3	1
13	12	12	12	13	13	13	13	13	13	13	13	4	4	2
35	58	64	57	53	58	41	44	54	54	37.48	64	21	21	28
0.35	0.58	0.64	0.57	0.53	0.58	0.41	0.44	0.54	0.54	0.3748	0.64	0.21	0.21	0.28
0.02359	0.265929999	0.128383999	0.366111006	0.020511	0.038860001	0	0.069036002	0	0	0	0	0.000168	0	0

#REF!

Benalla Station Approach Road Overbridge (Benalla)	Benalla Station Approach Road Overbridge (Benalla)	Benalla Station Approach Road Overbridge (Benalla)	Benalla Station Approach Road Overbridge (Benalla)	Benalla Station Approach Road Overbridge (Benalla)	Beaconsfield Parade Overbridge (Glenrowan)	Beaconsfield Parade Overbridge (Glenrowan)	Beaconsfield Parade Overbridge (Glenrowan)	Beaconsfield Parade Overbridge (Glenrowan)	Beaconsfield Parade Overbridge (Glenrowan)	Beaconsfield Parade Overbridge (Glenrowan)	Beaconsfield Parade Overbridge (Glenrowan)	Wangaratta Precinct (Wangaratta)	Wangaratta Precinct (Wangaratta)	Wangaratta Precinct (Wangaratta)
BS_HZ04	BS_HZ05	BS_HZ06	BS_HZ07	BS_HZ08	BP_HZ01	BP_HZ02	BP_HZ03	BP_HZ04	BP_HZ06	BP_HZ07	BP_HZ08	WS_HZ01	WS_HZ02	WS_HZ03
Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Victorian Riverina	Victorian Riverina	Victorian Riverina
55: Plains Grassy Woodland	55: Plains Grassy Woodland	55: Plains Grassy Woodland	55: Plains Grassy Woodland	55: Plains Grassy Woodland	803: Plains woodland	803: Plains woodland	803: Plains woodland	803: Plains woodland	803: Plains woodland	803: Plains woodland	803: Plains woodland	68: Creekline grassy woodland	55: Plains grassy wooland	68: Creekline grassy woodland
Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered
0	0	0	0.0042	0.084799998	0.215800002	0	0	0	0	0	0	0.163800001	0.023700001	0.0041
No	No	No	No	No	No	White box-Yellow box-Blakely's red gum grassy woodland	White box-Yellow box-Blakely's red gum grassy woodland	No	No	No	No	No	No	No
No	No	No	No	No	No	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	No	No	No	No	No	No	No
9	0	9	7	9	0	10	0	9	0	9	0	10	0	0
2	0	4	4	4	3	5	5	4	4	4	4	5	0	0
10	5	5	5	5	15	10	10	5	5	5	5	15	5	5
6	9	6	7	7	4	4	4	0	4	0	4	9	9	0
0	0	3	5	5	10	3	3	5	6	5	6	10	5	5
5	3	3	3	3	5	3	3	3	5	3	5	3	3	2
0	0	0	5	5	0			0	4	0	4	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
32	17	30	36	38	37	35	25	26	28	26	28	52	22	12
1	1	1	1	1	1	4	4	1	1	1	1	2	1	1
0	0	0	0	0	3	4	4	3	3	3	3	1	1	1
1	1	3	3	3	2	3	3	3	3	3	3	1	1	1
2	2	4	4	4	6	11	11	7	7	7	7	4	3	3
34	19	34	40	42	43	46	36	33	35	33	35	56	25	15
0.34	0.19	0.34	0.4	0.42	0.43	0.46	0.36	0.33	0.35	0.33	0.35	0.56	0.25	0.15
0	0	0	0.00168	0.035615999	0.092794001	0	0	0	0	0	0	0.091728001	0.005925	0.000615

Wangaratta Precinct (Wangaratta)	Wangaratta Precinct (Wangaratta)	Murray Valley Highway Overbridge (Barnawartha North)	Murray Valley Highway Overbridge (Barnawartha North)	Murray Valley Highway Overbridge (Barnawartha North)	Murray Valley Highway Overbridge (Barnawartha North)	Murray Valley Highway Overbridge (Barnawartha North)	Murray Valley Highway Overbridge (Barnawartha North)	Murray Valley Highway Overbridge (Barnawartha North)	Murray Valley Highway Overbridge (Barnawartha North)	Murray Valley Highway Overbridge (Barnawartha North)	Murray Valley Highway Overbridge (Barnawartha North)	Murray Valley Highway Overbridge (Barnawartha North)	Murray Valley Highway Overbridge (Barnawartha North)	Murray Valley Highway Overbridge (Barnawartha North)
WS_HZ04	WS_HZ05	MV_HZ01	MV_HZ02	MV_HZ03	MV_HZ04	MV_HZ05	MV_HZ06	MV_HZ07	MV_HZ08	MV_HZ09	MV_HZ10	MV_HZ11	MV_HZ12	MV_HZ13
Victorian Riverina	Victorian Riverina	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes
68: Creekline grassy woodland	68: Creekline grassy woodland	803: Plains woodland	803: Plains woodland	803: Plains woodland	803: Plains woodland	803: Plains woodland	803: Plains woodland	803: Plains woodland	803: Plains woodland	803: Plains woodland	803: Plains woodland	803: Plains woodland	803: Plains woodland	803: Plains woodland
Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered	Endangered
0.031800002	0.0471	0.054400001	0.0185	0.079499997	0.188199997	0.0084	0.096799999	0.0348	0.1087	0.0164	0.0021	0	0	0
No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
10	10	0	0	0	0	0	0	0	0	0	0	0	0	0
5	5	5	0	0	0	0	0	0	5	5	0	0	0	0
5	5	5	5	5	5	5	5	5	5	5	5	5	5	0
0	0	0	4	4	4	0	13	13	0	0	4	4	4	15
5	5	5	0	0	0	0	0	0	5	0	0	0	5	5
3	4	5	2	2	2	2	2	2	5	5	5	5	4	5
0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	29	20	11	11	11	7	20	20	20	15	14	14	18	29
2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	4	2	2	2	2	2	2	2	2	2	2	2	2	2
32	33	22	13	13	13	9	22	22	22	17	16	16	20	31
0.32	0.33	0.22	0.13	0.13	0.13	0.09	0.22	0.22	0.22	0.17	0.16	0.16	0.2	0.31
0.010176001	0.015543	0.011968	0.002405	0.010335	0.024466	0.000756	0.021296	0.007656	0.023914	0.002788	0.000336	0	0	0

Murray Valley Highway Overbridge (Barnawartha North)	Murray Valley Highway Overbridge (Barnawartha North)	Murray River Bridge	Murray River Bridge	Murray River Bridge	Murray River Bridge	Murray River Bridge	Murray River Bridge	Murray River Bridge	Murray River Bridge	Murray River Bridge	Murray River Bridge	Murray River Bridge	Murray River Bridge	Murray River Bridge
MV_HZ14	MV_HZ15	MRB_HZ01	MRB_HZ02	MRB_HZ03	MRB_HZ04	MRB_HZ05	MRB_HZ06	MRB_HZ07	MRB_HZ08	MRB_HZ09	MRB_HZ10	MRB_HZ11	MRB_HZ12	MRB_HZ13
Northern Inland Slopes	Northern Inland Slopes	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina
803: Plains woodland	803: Plains woodland	295: Riverine grassy woodland	295: Riverine grassy woodland	295: Riverine grassy woodland	295: Riverine grassy woodland	295: Riverine grassy woodland	295: Riverine grassy woodland	295: Riverine grassy woodland	295: Riverine grassy woodland	295: Riverine grassy woodland	295: Riverine grassy woodland	295: Riverine grassy woodland	295: Riverine grassy woodland	295: Riverine grassy woodland
Endangered	Endangered	Vulnerable	Vulnerable	Vulnerable	Vulnerable	Vulnerable	Vulnerable	Vulnerable	Vulnerable	Vulnerable	Vulnerable	Vulnerable	Vulnerable	Vulnerable
0	0	0	0	0	0	0	0	0.0009	0.013	0	0.002	0	0	0
No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
No	No	No	No	No	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	No	Victorian Temperate Woodland Bird Community	No	Victorian Temperate Woodland Bird Community	No	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community	Victorian Temperate Woodland Bird Community
9	0	0	0	0	0	6	0	3	0	6	0	8	10	8
4	0	0	0	0	4	2	0	5	0	5	0	5	0	5
5	5	5	5	5	5	15	5	5	5	5	5	5	5	5
0	0	0	2	2	2	4	0	0	0	0	0	0	0	0
5	5	3	5	5	5	6	0	5	0	5	0	5	0	5
5	5	2	5	5	5	3	4	5	4	5	4	5	4	5
4	0	0	0	0	0	0	0	5	0	5	0	5	0	5
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
32	15	10	17	17	21	36	9	28	9	31	9	33	19	33
1	1	4	4	4	4	4	1	4	1	4	1	4	4	4
0	0						1	1	1	1	1	1	1	1
1	1	3	3	3	3	3	3	3	3	3	3	3	3	3
2	2	7	7	7	7	7	5	8	5	8	5	8	8	8
34	17	17	24	24	28	43	14	36	14	39	14	41	27	41
0.34	0.17	0.17	0.24	0.24	0.28	0.43	0.14	0.36	0.14	0.39	0.14	0.41	0.27	0.41
0	0	0	0	0	0	0	0	0.000324	0.00182	0	0.00028	0	0	0

Murray River Bridge
MRB_HZ14
Victorian Riverina
295: Riverine grassy woodland
Vulnerable
0
No
Victorian Temperate Woodland Bird Community
6
2
15
4
6
3
0
1
36
4
1
3
8
44
0.44
0

Appendix F

Scattered Trees Recorded

We Deliver

Investigation Area	Tree ID	Common name	Species name	Type	Diameter at breast height (cm)
McIntyre Road Overbridge (Sunshine)	MIR_ST442	River red gum	*E. camaldulensis*	Scattered Tree	30
Calder Freeway Precinct (Keilor East)	CF_ST663	Yellow box	*E. melliodora*	Scattered Tree	39
Calder Freeway Precinct (Keilor East)	CF_ST664	Yellow box	*E. melliodora*	Scattered Tree	38
Calder Freeway Precinct (Keilor East)	CF_ST665	Yellow box	*E. melliodora*	Scattered Tree	32
Calder Freeway Precinct (Keilor East)	CF_ST667	Yellow box	*E. melliodora*	Scattered Tree	40
Calder Freeway Precinct (Keilor East)	CF_ST668	Yellow box	*E. melliodora*	Scattered Tree	28
Calder Freeway Precinct (Keilor East)	CF_ST669	Yellow box	*E. melliodora*	Scattered Tree	22
Calder Freeway Precinct (Keilor East)	CF_ST670	Yellow box	*E. melliodora*	Scattered Tree	25
Westfield Drive Overbridge (Tullamarine)	WD_ST671	Yellow box	*E. melliodora*	Scattered Tree	35
Tullamarine Freeway Precinct (Strathmore Heights)	TF_ST312	River red gum	*E. camaldulensis*	Scattered Tree	64
Tullamarine Freeway Precinct (Strathmore Heights)	TF_ST313	River red gum	*E. camaldulensis*	Scattered Tree	48
Tullamarine Freeway Precinct (Strathmore Heights)	TF_ST358	Yellow gum	*E. leucoxylon*	Scattered Tree	15
Tullamarine Freeway Precinct (Strathmore Heights)	TF_ST359	Yellow gum	*E. leucoxylon*	Scattered Tree	16
Track Slew Investigation Area A	TSA_ST672	River red gum	*E. camaldulensis*	Scattered Tree	17
Track Slew Investigation Area A	TSA_ST673	River red gum	*E. camaldulensis*	Scattered Tree	65
Track Slew Investigation Area A	TSA_ST674	River red gum	*E. camaldulensis*	Scattered Tree	35
Track Slew Investigation Area A	TSA_ST675	Yellow Box	*E. melliodora*	Scattered Tree	10
Track Slew Investigation Area A	TSA_ST685	Yellow Box	*E. melliodora*	Scattered Tree	61
Track Slew Investigation Area A	TSA_ST686	River red gum	*E. camaldulensis*	Scattered Tree	77
Pascoe Vale Road Overbridge (Glenroy) & Jacana Station Footbridge (Glenroy)	PV_ST676	Yellow box	*E. melliodora*	Scattered Tree	29
Pascoe Vale Road Overbridge (Glenroy) & Jacana Station Footbridge (Glenroy)	PV_ST677	Yellow box	*E. melliodora*	Scattered Tree	17
Pascoe Vale Road Overbridge (Glenroy) & Jacana Station Footbridge (Glenroy)	PV_ST678	Yellow box	*E. melliodora*	Scattered Tree	32
Pascoe Vale Road Overbridge (Glenroy) & Jacana Station Footbridge (Glenroy)	PV_ST679	Yellow box	*E. melliodora*	Scattered Tree	26
Riggall Street Overbridge (Broadmeadows)	RS_ST291	River red gum	*E. camaldulensis*	Large Scattered Tree	86
Riggall Street Overbridge (Broadmeadows)	RS_ST292	River red gum	*E. camaldulensis*	Large Scattered Tree	102
Riggall Street Overbridge (Broadmeadows)	RS_ST293	River red gum	*E. camaldulensis*	Scattered Tree	44
Riggall Street Overbridge (Broadmeadows)	RS_ST294	River red gum	*E. camaldulensis*	Scattered Tree	76
Barry Road Overbridge (Dallas)	BR_ST288	River red gum	*E. camaldulensis*	Scattered Tree	19
Barry Road Overbridge (Dallas)	BR_ST289	River red gum	*E. camaldulensis*	Scattered Tree	69

Investigation Area	Tree ID	Common name	Species name	Type	Diameter at breast height (cm)
Barry Road Overbridge (Dallas)	BR_ST290	River red gum	*E. camaldulensis*	Scattered Tree	16
Barry Road Overbridge (Dallas)	BR_ST314	River red gum	*E. camaldulensis*	Scattered Tree	65
Hume Highway Overbridge (Craigieburn)	HFC_ST680	Yellow box	*E. melliodora*	Scattered Tree	28
Hume Highway Overbridge (Craigieburn)	HFC_ST681	Yellow box	*E. melliodora*	Scattered Tree	13
Hume Highway Overbridge (Craigieburn)	HFC_ST682	Red box	*E. camaldulensis*	Scattered Tree	57
Hume Highway Overbridge (Craigieburn)	HFC_ST683	Red box	*E. camaldulensis*	Scattered Tree	37
Hume Highway Overbridge (Craigieburn)	HFC_ST687	River red gum	*E. camaldulensis*	Scattered Tree	15
Track Slew Investigation Area C	TSC_ST652	River red gum	*E. camaldulensis*	Scattered Tree	43
Track Slew Investigation Area C	TSC_ST653	River red gum	*E. camaldulensis*	Scattered Tree	45
Track Slew Investigation Area C	TSC_ST654	River red gum	*E. camaldulensis*	Scattered Tree	48
Track Slew Investigation Area C	TSC_ST655	River red gum	*E. camaldulensis*	Scattered Tree	57
Track Slew Investigation Area C	TSC_ST656	River red gum	*E. camaldulensis*	Scattered Tree	51
Hamilton Street Overbridge (Broadford)	HS_ST0	Yellow box	*E. melliodora*	Large Scattered Tree	95
Hamilton Street Overbridge (Broadford)	HS_ST1	Yellow box	*E. melliodora*	Scattered Tree	76
Hamilton Street Overbridge (Broadford)	HS_ST2	Yellow box	*E. melliodora*	Scattered Tree	30
Hamilton Street Overbridge (Broadford)	HS_ST315	Yellow box	*E. melliodora*	Scattered Tree	34
Short Street Overbridge (Broadford)	SS_ST287	Grey box	*E. microcarpa*	Scattered Tree	25
Short Street Overbridge (Broadford)	SS_ST316	Yellow box	*E. melliodora*	Scattered Tree	70
Short Street Overbridge (Broadford)	SS_ST318	Grey box	*E. microcarpa*	Large Scattered Tree	106
Short Street Overbridge (Broadford)	SS_ST319	Grey box	*E. microcarpa*	Scattered Tree	18
Short Street Overbridge (Broadford)	SS_ST320	River red gum	*E. camaldulensis*	Scattered Tree	14
Short Street Overbridge (Broadford)	SS_ST321	River red gum	*E. camaldulensis*	Large Scattered Tree	120
Short Street Overbridge (Broadford)	SS_ST612	River red gum	*E. camaldulensis*	Large Scattered Tree	114
Short Street Overbridge (Broadford)	SS_ST613	River red gum	*E. camaldulensis*	Scattered Tree	20
Short Street Overbridge (Broadford)	SS_ST614	River red gum	*E. camaldulensis*	Large Scattered Tree	139
Short Street Overbridge (Broadford)	SS_ST618	Yellow box	*E. melliodora*	Large Scattered Tree	89
Short Street Overbridge (Broadford)	SS_ST619	Yellow box	*E. melliodora*	Large Scattered Tree	80
Short Street Overbridge (Broadford)	SS_ST620	Yellow box	*E. melliodora*	Scattered Tree	31
Short Street Overbridge (Broadford)	SS_ST621	Yellow box	*E. melliodora*	Scattered Tree	32
Short Street Overbridge (Broadford)	SS_ST622	River red gum	*E .camaldulensis*	Scattered Tree	41
Short Street Overbridge (Broadford)	SS_ST623	River red gum	*E .camaldulensis*	Scattered Tree	33
Short Street Overbridge (Broadford)	SS_ST625	River red gum	*E .camaldulensis*	Scattered Tree	22

Investigation Area	Tree ID	Common name	Species name	Type	Diameter at breast height (cm)
Short Street Overbridge (Broadford)	SS_ST626	River red gum	*E .camaldulensis*	Large Scattered Tree	104
Short Street Overbridge (Broadford)	SS_ST627	River red gum	*E .camaldulensis*	Scattered Tree	13
Short Street Overbridge (Broadford)	SS_ST628	Grey box	*E. microcarpa*	Scattered Tree	33
Short Street Overbridge (Broadford)	SS_ST629	Grey box	*E. microcarpa*	Scattered Tree	19
Short Street Overbridge (Broadford)	SS_ST631	River red gum	*E .camaldulensis*	Scattered Tree	35
Short Street Overbridge (Broadford)	SS_ST632	River red gum	*E .camaldulensis*	Scattered Tree	55
Short Street Overbridge (Broadford)	SS_ST633	River red gum	*E .camaldulensis*	Large Scattered Tree	116
Marchbanks Road Overbridge (Broadford)	MR_ST175	Grey box	*E. microcarpa*	Large Scattered Tree	73
Marchbanks Road Overbridge (Broadford)	MR_ST178	River red gum	*E .camaldulensis*	Large Scattered Tree	102
Marchbanks Road Overbridge (Broadford)	MR_ST280	River red gum	*E .camaldulensis*	Scattered Tree	8
Marchbanks Road Overbridge (Broadford)	MR_ST281	River red gum	*E .camaldulensis*	Scattered Tree	8
Marchbanks Road Overbridge (Broadford)	MR_ST282	River red gum	*E .camaldulensis*	Scattered Tree	8
Marchbanks Road Overbridge (Broadford)	MR_ST283	River red gum	*E .camaldulensis*	Scattered Tree	7
Marchbanks Road Overbridge (Broadford)	MR_ST284	River red gum	*E .camaldulensis*	Scattered Tree	11
Marchbanks Road Overbridge (Broadford)	MR_ST285	River red gum	*E .camaldulensis*	Scattered Tree	8
Marchbanks Road Overbridge (Broadford)	MR_ST286	River red gum	*E .camaldulensis*	Scattered Tree	10
Marchbanks Road Overbridge (Broadford)	MR_ST308	River red gum	*E .camaldulensis*	Scattered Tree	12
Marchbanks Road Overbridge (Broadford)	MR_ST327	River red gum	*E .camaldulensis*	Scattered Tree	12
Marchbanks Road Overbridge (Broadford)	MR_ST328	River red gum	*E .camaldulensis*	Scattered Tree	20
Marchbanks Road Overbridge (Broadford)	MR_ST329	Grey box	*E. microcarpa*	Large Scattered Tree	101
Marchbanks Road Overbridge (Broadford)	MR_ST330	River red gum	*E .camaldulensis*	Scattered Tree	39
Marchbanks Road Overbridge (Broadford)	MR_ST331	Grey box	*E. microcarpa*	Scattered Tree	30
Marchbanks Road Overbridge (Broadford)	MR_ST332	River red gum	*E .camaldulensis*	Large Scattered Tree	133
Marchbanks Road Overbridge (Broadford)	MR_ST360	River red gum	*E .camaldulensis*	Scattered Tree	2
Marchbanks Road Overbridge (Broadford)	MR_ST603	Grey box	*E. microcarpa*	Large Scattered Tree	107
Marchbanks Road Overbridge (Broadford)	MR_ST604	River red gum	*E .camaldulensis*	Scattered Tree	42
Marchbanks Road Overbridge (Broadford)	MR_ST605	River red gum	*E .camaldulensis*	Scattered Tree	20
Marchbanks Road Overbridge (Broadford)	MR_ST606	River red gum	*E .camaldulensis*	Large Scattered Tree	135
Marchbanks Road Overbridge (Broadford)	MR_ST608	Yellow box	*E. melliodora*	Scattered Tree	58
Marchbanks Road Overbridge (Broadford)	MR_ST609	River red gum	*E .camaldulensis*	Scattered Tree	21
Marchbanks Road Overbridge (Broadford)	MR_ST611	Grey box	*E. microcarpa*	Scattered Tree	43
Signal Gantry 19	SG86_ST387	Yellow box	*E. melliodora*	Large Scattered Tree	150

Investigation Area	Tree ID	Common name	Species name	Type	Diameter at breast height (cm)
Track Slew Investigation Area E	TSE_ST557	River red gum	*E .camaldulensis*	Scattered Tree	10
Track Slew Investigation Area E	TSE_ST558	River red gum	*E .camaldulensis*	Scattered Tree	13
Track Slew Investigation Area E	TSE_ST561	River red gum	*E .camaldulensis*	Scattered Tree	64
Track Slew Investigation Area E	TSE_ST575	River red gum	*E .camaldulensis*	Large Scattered Tree	162
Track Slew Investigation Area E	TSE_ST576	River red gum	*E .camaldulensis*	Scattered Tree	14
Track Slew Investigation Area E	TSE_ST578	River red gum	*E .camaldulensis*	Scattered Tree	34
Seymour Avenel Road Overbridge (Seymour)	SA_ST550	River red gum	*E. camaldulensis*	Scattered Tree	39
Seymour-Avenel Road Overbridge (Seymour)	SA_ST551	Yellow box	*E. melliodora*	Scattered Tree	69
Seymour-Avenel Road Overbridge (Seymour)	TSG_ST311	Grey box	*E. microcarpa*	Large Scattered Tree	94
Hume Highway Seymour Precinct (Seymour)	HFS_ST545	Grey box	*E. microcarpa*	Large Scattered Tree	74
Track Slew Investigation Area H	TSG_ST526	Grey box	*E. microcarpa*	Scattered Tree	14
Track Slew Investigation Area H	TSG_ST527	Grey box	*E. microcarpa*	Scattered Tree	16
Track Slew Investigation Area H	TSG_ST528	Grey box	*E. microcarpa*	Scattered Tree	13
Anderson Street Overbridge (Euroa)	AS_ST515	River red gum	*E .camaldulensis*	Large Scattered Tree	96
Anderson Street Overbridge (Euroa)	AS_ST516	River red gum	*E .camaldulensis*	Scattered Tree	56
Anderson Street Overbridge (Euroa)	AS_ST517	River red gum	*E .camaldulensis*	Scattered Tree	54
Anderson Street Overbridge (Euroa)	AS_ST518	River red gum	*E .camaldulensis*	Scattered Tree	25
Anderson Street Overbridge (Euroa)	AS_ST519	River red gum	*E .camaldulensis*	Scattered Tree	42
Anderson Street Overbridge (Euroa)	AS_ST521	River red gum	*E .camaldulensis*	Scattered Tree	33
Anderson Street Overbridge (Euroa)	AS_ST522	Grey box	*E. microcarpa*	Large Scattered Tree	156
Anderson Street Overbridge (Euroa)	AS_ST523	Grey box	*E. microcarpa*	Scattered Tree	44
Benalla Station Approach Road Overbridge (Benalla)	BS_ST10	River red gum	*E .camaldulensis*	Scattered Tree	49
Benalla Station Approach Road Overbridge (Benalla)	BS_ST11	River red gum	*E .camaldulensis*	Scattered Tree	48
Benalla Station Approach Road Overbridge (Benalla)	BS_ST12	River red gum	*E .camaldulensis*	Scattered Tree	22
Benalla Station Approach Road Overbridge (Benalla)	BS_ST13	River red gum	*E .camaldulensis*	Scattered Tree	19
Benalla Station Approach Road Overbridge (Benalla)	BS_ST14	River red gum	*E .camaldulensis*	Scattered Tree	19
Benalla Station Approach Road Overbridge (Benalla)	BS_ST15	River red gum	*E .camaldulensis*	Scattered Tree	10
Benalla Station Approach Road Overbridge (Benalla)	BS_ST16	River red gum	*E .camaldulensis*	Scattered Tree	10
Benalla Station Approach Road Overbridge (Benalla)	BS_ST17	River red gum	*E .camaldulensis*	Scattered Tree	34
Benalla Station Approach Road Overbridge (Benalla)	BS_ST18	River red gum	*E .camaldulensis*	Scattered Tree	40
Benalla Station Approach Road Overbridge (Benalla)	BS_ST19	River red gum	*E .camaldulensis*	Scattered Tree	76
Benalla Station Approach Road Overbridge (Benalla)	BS_ST21	River red gum	*E .camaldulensis*	Scattered Tree	16

Investigation Area	Tree ID	Common name	Species name	Type	Diameter at breast height (cm)
Benalla Station Approach Road Overbridge (Benalla)	BS_ST22	River red gum	*E .camaldulensis*	Scattered Tree	9
Benalla Station Approach Road Overbridge (Benalla)	BS_ST23	River red gum	*E .camaldulensis*	Scattered Tree	10
Benalla Station Approach Road Overbridge (Benalla)	BS_ST24	River red gum	*E .camaldulensis*	Scattered Tree	51
Benalla Station Approach Road Overbridge (Benalla)	BS_ST25	River red gum	*E .camaldulensis*	Scattered Tree	78
Benalla Station Approach Road Overbridge (Benalla)	BS_ST256	Yellow gum	*E. leucoxylon*	Large Scattered Tree	98
Benalla Station Approach Road Overbridge (Benalla)	BS_ST257	Yellow gum	*E. leucoxylon*	Scattered Tree	41
Benalla Station Approach Road Overbridge (Benalla)	BS_ST259	River red gum	*E .camaldulensis*	Large Scattered Tree	93
Benalla Station Approach Road Overbridge (Benalla)	BS_ST26	River red gum	*E .camaldulensis*	Scattered Tree	11
Benalla Station Approach Road Overbridge (Benalla)	BS_ST27	River red gum	*E .camaldulensis*	Scattered Tree	11
Benalla Station Approach Road Overbridge (Benalla)	BS_ST28	River red gum	*E .camaldulensis*	Scattered Tree	15
Benalla Station Approach Road Overbridge (Benalla)	BS_ST29	River red gum	*E .camaldulensis*	Scattered Tree	13
Benalla Station Approach Road Overbridge (Benalla)	BS_ST3	River red gum	*E .camaldulensis*	Scattered Tree	72
Benalla Station Approach Road Overbridge (Benalla)	BS_ST30	River red gum	*E .camaldulensis*	Scattered Tree	21
Benalla Station Approach Road Overbridge (Benalla)	BS_ST31	River red gum	*E .camaldulensis*	Scattered Tree	12
Benalla Station Approach Road Overbridge (Benalla)	BS_ST32	River red gum	*E .camaldulensis*	Scattered Tree	17
Benalla Station Approach Road Overbridge (Benalla)	BS_ST33	River red gum	*E .camaldulensis*	Scattered Tree	24
Benalla Station Approach Road Overbridge (Benalla)	BS_ST34	River red gum	*E .camaldulensis*	Scattered Tree	17
Benalla Station Approach Road Overbridge (Benalla)	BS_ST35	River red gum	*E .camaldulensis*	Scattered Tree	9
Benalla Station Approach Road Overbridge (Benalla)	BS_ST36	River red gum	*E .camaldulensis*	Scattered Tree	14
Benalla Station Approach Road Overbridge (Benalla)	BS_ST37	River red gum	*E .camaldulensis*	Scattered Tree	11
Benalla Station Approach Road Overbridge (Benalla)	BS_ST38	River red gum	*E .camaldulensis*	Scattered Tree	13
Benalla Station Approach Road Overbridge (Benalla)	BS_ST39	River red gum	*E .camaldulensis*	Scattered Tree	17
Benalla Station Approach Road Overbridge (Benalla)	BS_ST4	River red gum	*E .camaldulensis*	Scattered Tree	62
Benalla Station Approach Road Overbridge (Benalla)	BS_ST40	River red gum	*E .camaldulensis*	Scattered Tree	13
Benalla Station Approach Road Overbridge (Benalla)	BS_ST41	River red gum	*E .camaldulensis*	Scattered Tree	14
Benalla Station Approach Road Overbridge (Benalla)	BS_ST42	River red gum	*E .camaldulensis*	Scattered Tree	23
Benalla Station Approach Road Overbridge (Benalla)	BS_ST43	River red gum	*E .camaldulensis*	Scattered Tree	8
Benalla Station Approach Road Overbridge (Benalla)	BS_ST44	River red gum	*E .camaldulensis*	Scattered Tree	9
Benalla Station Approach Road Overbridge (Benalla)	BS_ST45	River red gum	*E .camaldulensis*	Scattered Tree	18
Benalla Station Approach Road Overbridge (Benalla)	BS_ST46	River red gum	*E .camaldulensis*	Scattered Tree	13
Benalla Station Approach Road Overbridge (Benalla)	BS_ST47	River red gum	*E .camaldulensis*	Scattered Tree	10
Benalla Station Approach Road Overbridge (Benalla)	BS_ST48	River red gum	*E .camaldulensis*	Scattered Tree	8

Investigation Area	Tree ID	Common name	Species name	Type	Diameter at breast height (cm)
Benalla Station Approach Road Overbridge (Benalla)	BS_ST49	River red gum	*E .camaldulensis*	Scattered Tree	6
Benalla Station Approach Road Overbridge (Benalla)	BS_ST5	River red gum	*E .camaldulensis*	Scattered Tree	41
Benalla Station Approach Road Overbridge (Benalla)	BS_ST50	River red gum	*E .camaldulensis*	Scattered Tree	9
Benalla Station Approach Road Overbridge (Benalla)	BS_ST504	River red gum	*E .camaldulensis*	Scattered Tree	65
Benalla Station Approach Road Overbridge (Benalla)	BS_ST509	River red gum	*E .camaldulensis*	Large Scattered Tree	89
Benalla Station Approach Road Overbridge (Benalla)	BS_ST51	River red gum	*E .camaldulensis*	Scattered Tree	17
Benalla Station Approach Road Overbridge (Benalla)	BS_ST511	River red gum	*E .camaldulensis*	Large Scattered Tree	92
Benalla Station Approach Road Overbridge (Benalla)	BS_ST512	River red gum	*E .camaldulensis*	Scattered Tree	62
Benalla Station Approach Road Overbridge (Benalla)	BS_ST513	River red gum	*E .camaldulensis*	Scattered Tree	32
Benalla Station Approach Road Overbridge (Benalla)	BS_ST514	River red gum	*E .camaldulensis*	Scattered Tree	37
Benalla Station Approach Road Overbridge (Benalla)	BS_ST53	River red gum	*E .camaldulensis*	Scattered Tree	62
Benalla Station Approach Road Overbridge (Benalla)	BS_ST54	River red gum	*E .camaldulensis*	Scattered Tree	74
Benalla Station Approach Road Overbridge (Benalla)	BS_ST55	River red gum	*E .camaldulensis*	Scattered Tree	9
Benalla Station Approach Road Overbridge (Benalla)	BS_ST56	River red gum	*E .camaldulensis*	Scattered Tree	7
Benalla Station Approach Road Overbridge (Benalla)	BS_ST57	River red gum	*E .camaldulensis*	Scattered Tree	10
Benalla Station Approach Road Overbridge (Benalla)	BS_ST58	River red gum	*E .camaldulensis*	Scattered Tree	6
Benalla Station Approach Road Overbridge (Benalla)	BS_ST59	River red gum	*E .camaldulensis*	Scattered Tree	5
Benalla Station Approach Road Overbridge (Benalla)	BS_ST6	River red gum	*E .camaldulensis*	Scattered Tree	49
Benalla Station Approach Road Overbridge (Benalla)	BS_ST60	River red gum	*E .camaldulensis*	Scattered Tree	10
Benalla Station Approach Road Overbridge (Benalla)	BS_ST61	River red gum	*E .camaldulensis*	Scattered Tree	6
Benalla Station Approach Road Overbridge (Benalla)	BS_ST62	River red gum	*E .camaldulensis*	Scattered Tree	7
Benalla Station Approach Road Overbridge (Benalla)	BS_ST63	River red gum	*E .camaldulensis*	Scattered Tree	8
Benalla Station Approach Road Overbridge (Benalla)	BS_ST64	River red gum	*E .camaldulensis*	Scattered Tree	8
Benalla Station Approach Road Overbridge (Benalla)	BS_ST65	River red gum	*E .camaldulensis*	Scattered Tree	8
Benalla Station Approach Road Overbridge (Benalla)	BS_ST66	River red gum	*E .camaldulensis*	Scattered Tree	7
Benalla Station Approach Road Overbridge (Benalla)	BS_ST67	River red gum	*E .camaldulensis*	Scattered Tree	14
Benalla Station Approach Road Overbridge (Benalla)	BS_ST68	River red gum	*E .camaldulensis*	Scattered Tree	67
Benalla Station Approach Road Overbridge (Benalla)	BS_ST69	River red gum	*E .camaldulensis*	Large Scattered Tree	85
Benalla Station Approach Road Overbridge (Benalla)	BS_ST7	River red gum	*E .camaldulensis*	Scattered Tree	48
Benalla Station Approach Road Overbridge (Benalla)	BS_ST70	River red gum	*E .camaldulensis*	Scattered Tree	58
Benalla Station Approach Road Overbridge (Benalla)	BS_ST71	River red gum	*E .camaldulensis*	Scattered Tree	2
Benalla Station Approach Road Overbridge (Benalla)	BS_ST72	River red gum	*E .camaldulensis*	Scattered Tree	59

Investigation Area	Tree ID	Common name	Species name	Type	Diameter at breast height (cm)
Benalla Station Approach Road Overbridge (Benalla)	BS_ST73	River red gum	*E .camaldulensis*	Scattered Tree	61
Benalla Station Approach Road Overbridge (Benalla)	BS_ST74	River red gum	*E .camaldulensis*	Scattered Tree	33
Benalla Station Approach Road Overbridge (Benalla)	BS_ST75	River red gum	*E .camaldulensis*	Scattered Tree	35
Benalla Station Approach Road Overbridge (Benalla)	BS_ST76	River red gum	*E .camaldulensis*	Scattered Tree	26
Benalla Station Approach Road Overbridge (Benalla)	BS_ST77	River red gum	*E .camaldulensis*	Scattered Tree	28
Benalla Station Approach Road Overbridge (Benalla)	BS_ST8	River red gum	*E .camaldulensis*	Scattered Tree	30
Benalla Station Approach Road Overbridge (Benalla)	BS_ST9	River red gum	*E .camaldulensis*	Large Scattered Tree	123
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST334	River red gum	*E .camaldulensis*	Scattered Tree	40
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST335	River red gum	*E .camaldulensis*	Scattered Tree	67
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST336	River red gum	*E .camaldulensis*	Large Scattered Tree	81
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST337	River red gum	*E .camaldulensis*	Scattered Tree	70
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST338	River red gum	*E .camaldulensis*	Scattered Tree	33
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST339	River red gum	*E .camaldulensis*	Scattered Tree	27
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST340	River red gum	*E .camaldulensis*	Scattered Tree	14
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST341	River red gum	*E .camaldulensis*	Scattered Tree	25
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST342	River red gum	*E .camaldulensis*	Scattered Tree	13
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST343	River red gum	*E .camaldulensis*	Scattered Tree	10
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST344	River red gum	*E .camaldulensis*	Scattered Tree	49
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST345	River red gum	*E .camaldulensis*	Scattered Tree	22
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST467	White box	*E. alba*	Scattered Tree	32
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST468	Box sp.	*E. alba x E. microcarpa*	Scattered Tree	25
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST469	Box sp.	*E. alba x E. microcarpa*	Scattered Tree	8
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST470	Box sp.	*E. alba x E. microcarpa*	Scattered Tree	33
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST471	Box sp.	*E. alba x E. microcarpa*	Scattered Tree	8
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST474	Grey box	*E. microcarpa*	Scattered Tree	52
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST475	Blakely's red gum	*E. blakelyi*	Scattered Tree	31
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST476	Box sp.	*E. alba x E. microcarpa*	Scattered Tree	46
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST477	Box sp.	*E. alba x E. microcarpa*	Scattered Tree	33

Investigation Area	Tree ID	Common name	Species name	Type	Diameter at breast height (cm)
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST478	Grey box	*E. microcarpa*	Scattered Tree	37
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST479	Long-leaf box	*E. goniocalyx*	Scattered Tree	35
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST480	Red ironbark	*E. sideroxylon*	Scattered Tree	22
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST481	Blakely's red gum	*E. blakelyi*	Scattered Tree	9
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST482	Blakely's red gum	*E. blakelyi*	Scattered Tree	12
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST483	Blakely's red gum	*E. blakelyi*	Scattered Tree	14
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST484	Blakely's red gum	*E. blakelyi*	Scattered Tree	22
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST485	Grey box	*E. microcarpa*	Scattered Tree	21
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST486	Blakely's red gum	*E. blakelyi*	Large Scattered Tree	86
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST487	Blakely's red gum	*E. blakelyi*	Scattered Tree	54
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST488	Blakely's red gum	*E. blakelyi*	Scattered Tree	72
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST489	Blakely's red gum	*E. blakelyi*	Large Scattered Tree	84
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST490	Grey box	*E. microcarpa*	Large Scattered Tree	85
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST493	Blakely's red gum	*E. blakelyi*	Scattered Tree	42
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST497	Blakely's red gum	*E. blakelyi*	Scattered Tree	23
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST498	Blakely's red gum	*E. blakelyi*	Scattered Tree	61
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST499	Blakely's red gum	*E. blakelyi*	Large Scattered Tree	100
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST500	Blakely's red gum	*E. blakelyi*	Scattered Tree	29
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST501	White box	*E. alba*	Scattered Tree	58
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST502	White box	*E. alba*	Scattered Tree	13
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST503	Blakely's red gum	*E. blakelyi*	Scattered Tree	59
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST78	River red gum	*E. camaldulensis*	Scattered Tree	29
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST79	River red gum	*E. camaldulensis*	Scattered Tree	29
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST80	River red gum	*E. camaldulensis*	Scattered Tree	25
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST81	River red gum	*E. camaldulensis*	Scattered Tree	19
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST82	Grey box	*E. microcarpa*	Scattered Tree	38
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST83	Grey box	*E. microcarpa*	Scattered Tree	46
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST84	River red gum	*E. camaldulensis*	Scattered Tree	40
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST85	River red gum	*E. camaldulensis*	Scattered Tree	65
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST86	River red gum	*E. camaldulensis*	Scattered Tree	38
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST87	River red gum	*E. camaldulensis*	Scattered Tree	59
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST88	Yellow box	*E. melliodora*	Scattered Tree	61

Investigation Area	Tree ID	Common name	Species name	Type	Diameter at breast height (cm)
Beaconsfield Parade Overbridge (Glenrowan)	BP_ST89	River red gum	*E. camaldulensis*	Large Scattered Tree	115
Wangaratta Precinct (Wangaratta)	WS_ST91	River red gum	*E. camaldulensis*	Scattered Tree	22
Wangaratta Precinct (Wangaratta)	WS_ST92	River red gum	*E. camaldulensis*	Scattered Tree	25
Wangaratta Precinct (Wangaratta)	WS_ST93	River red gum	*E. camaldulensis*	Scattered Tree	51
Wangaratta Precinct (Wangaratta)	WS_ST94	River red gum	*E. camaldulensis*	Large Scattered Tree	98
Wangaratta Precinct (Wangaratta)	WS_ST97	River red gum	*E. camaldulensis*	Scattered Tree	75
Wangaratta Precinct (Wangaratta)	WS_ST98	River red gum	*E. camaldulensis*	Scattered Tree	63
Wangaratta Precinct (Wangaratta)	WS_ST258	River red gum	*E. camaldulensis*	Scattered Tree	17
Wangaratta Precinct (Wangaratta)	WS_ST310	River red gum	*E. camaldulensis*	Scattered Tree	58
Wangaratta Precinct (Wangaratta)	WS_ST346	River red gum	*E. camaldulensis*	Scattered Tree	14
Wangaratta Precinct (Wangaratta)	WS_ST347	River red gum	*E. camaldulensis*	Scattered Tree	10
Wangaratta Precinct (Wangaratta)	WS_ST348	River red gum	*E. camaldulensis*	Large Scattered Tree	87
Wangaratta Precinct (Wangaratta)	WS_ST350	River red gum	*E. camaldulensis*	Large Scattered Tree	85
Wangaratta Precinct (Wangaratta)	WS_ST351	River red gum	*E. camaldulensis*	Large Scattered Tree	99
Murray Valley Highway Overbridge (Barnawartha North)	MV_ST353	Red box	*E. polyanthemos*	Scattered Tree	68
Murray Valley Highway Overbridge (Barnawartha North)	MV_ST354	Red box	*E. polyanthemos*	Large Scattered Tree	80
Murray Valley Highway Overbridge (Barnawartha North)	MV_ST443	White box	*E. alba*	Scattered Tree	17
Murray Valley Highway Overbridge (Barnawartha North)	MV_ST444	White box	*E. alba*	Scattered Tree	7
Murray Valley Highway Overbridge (Barnawartha North)	MV_ST445	White box	*E. alba*	Scattered Tree	26
Murray Valley Highway Overbridge (Barnawartha North)	MV_ST446	White box	*E. alba*	Scattered Tree	16
Murray Valley Highway Overbridge (Barnawartha North)	MV_ST447	White box	*E. alba*	Scattered Tree	23
Murray Valley Highway Overbridge (Barnawartha North)	MV_ST448	White box	*E. alba*	Scattered Tree	13
Murray Valley Highway Overbridge (Barnawartha North)	MV_ST449	White box	*E. alba*	Scattered Tree	25
Murray Valley Highway Overbridge (Barnawartha North)	MV_ST450	White box	*E. alba*	Scattered Tree	44
Murray Valley Highway Overbridge (Barnawartha North)	MV_ST451	White box	*E. alba*	Scattered Tree	17
Murray Valley Highway Overbridge (Barnawartha North)	MV_ST452	Yellow box	*E. melliodora*	Scattered Tree	10
Murray Valley Highway Overbridge (Barnawartha North)	MV_ST453	Yellow box	*E. melliodora*	Scattered Tree	14
Murray Valley Highway Overbridge (Barnawartha North)	MV_ST454	Yellow box	*E. melliodora*	Scattered Tree	6
Murray Valley Highway Overbridge (Barnawartha North)	MV_ST455	Yellow box	*E. melliodora*	Scattered Tree	11
Murray Valley Highway Overbridge (Barnawartha North)	MV_ST456	Yellow box	*E. melliodora*	Scattered Tree	10
Murray Valley Highway Overbridge (Barnawartha North)	MV_ST458	Yellow box	*E. melliodora*	Scattered Tree	30
Murray River Underbridge (Albury)	MRB_ST112	River red gum	*E. camaldulensis*	Scattered Tree	16

Investigation Area	Tree ID	Common name	Species name	Type	Diameter at breast height (cm)
Murray River Underbridge (Albury)	MRB_ST113	River red gum	*E. camaldulensis*	Scattered Tree	11
Murray River Underbridge (Albury)	MRB_ST114	River red gum	*E. camaldulensis*	Scattered Tree	18
Murray River Underbridge (Albury)	MRB_ST115	River red gum	*E. camaldulensis*	Scattered Tree	9
Murray River Underbridge (Albury)	MRB_ST116	River red gum	*E. camaldulensis*	Large Scattered Tree	144
Murray River Underbridge (Albury)	MRB_ST117	River red gum	*E. camaldulensis*	Scattered Tree	13
Murray River Underbridge (Albury)	MRB_ST118	River red gum	*E. camaldulensis*	Scattered Tree	13
Murray River Underbridge (Albury)	MRB_ST119	River red gum	*E. camaldulensis*	Scattered Tree	11
Murray River Underbridge (Albury)	MRB_ST120	River red gum	*E. camaldulensis*	Scattered Tree	14
Murray River Underbridge (Albury)	MRB_ST121	River red gum	*E. camaldulensis*	Scattered Tree	20
Murray River Underbridge (Albury)	MRB_ST122	River red gum	*E. camaldulensis*	Scattered Tree	16
Murray River Underbridge (Albury)	MRB_ST124	River red gum	*E. camaldulensis*	Scattered Tree	18
Murray River Underbridge (Albury)	MRB_ST125	River red gum	*E. camaldulensis*	Scattered Tree	9
Murray River Underbridge (Albury)	MRB_ST135	River red gum	*E. camaldulensis*	Scattered Tree	13
Murray River Underbridge (Albury)	MRB_ST136	River red gum	*E. camaldulensis*	Scattered Tree	7
Murray River Underbridge (Albury)	MRB_ST137	River red gum	*E. camaldulensis*	Scattered Tree	13
Murray River Underbridge (Albury)	MRB_ST138	River red gum	*E. camaldulensis*	Scattered Tree	8
Murray River Underbridge (Albury)	MRB_ST139	River red gum	*E. camaldulensis*	Scattered Tree	23
Murray River Underbridge (Albury)	MRB_ST140	River red gum	*E. camaldulensis*	Scattered Tree	24
Murray River Underbridge (Albury)	MRB_ST141	River red gum	*E. camaldulensis*	Scattered Tree	24
Murray River Underbridge (Albury)	MRB_ST142	River red gum	*E. camaldulensis*	Scattered Tree	14
Murray River Underbridge (Albury)	MRB_ST143	River red gum	*E. camaldulensis*	Scattered Tree	7
Murray River Underbridge (Albury)	MRB_ST357	River red gum	*E. camaldulensis*	Scattered Tree	12

Appendix G

Flora Species List
(WSP/PB 2016)

We Deliver

						Sites																										
Origin	**Scientific Name**	**Common Name**	**CaLP Act weed**	**Victorian Advisory List**	**Conservation Status**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**
	Acacia acinacea s.l.	Gold-dust Wattle																	X					X		X	X	X					
	Acacia aculeatissima	Thin-leaf Wattle																	X		X			X			X						
*	*Acacia baileyana*	Cootamundra Wattle										X					X			X					X				X	X			
	Acacia dealbata	Silver Wattle												X				X			X	X								X			X
	Acacia implexa	Lightwood																			X				X				X	X	X		
*	*Acacia longifolia*	Sallow Wattle													X																		
*	*Acacia longifolia subsp. longifolia*	Sallow Wattle																				X											
	Acacia mearnsii	Black Wattle																						X									
	Acacia melanoxylon	Blackwood																			X	X								X			
	Acacia paradoxa	Hedge Wattle																			X	X	X	X	X	X		X					
	Acacia pycnantha	Golden Wattle																	X		X	X				X	X	X					
	Acacia spp.	Wattle													X	X	X																
	Acacia verniciflua (1-nerved variant)	Seymour Wattle		Vulnerable	vu																						x	x					
	Acaena ovina	Australian Sheep's Burr																X	X		X	X						X					
	Acaena spp.	Sheep's Burr																							X	X							
	Acrotriche serrulata	Honey-pots																								X							
*	*Agapanthus spp.*	Agapanthus										X	X	X						X		X					X						
*	*Agave spp.*	Agave								X	X																						
*	*Agrostis capillaris*	Brown-top Bent														X					X												
*	*Allium triquetrum*	Angled Onion	CaLP Act																	X			X										
	Allocasuarina verticillata	Drooping Sheoak												X			X																
	Amyema spp.	Mistletoe																				X		X	X	X				X			X
	Anthosachne scabra s.l.	Common W heat-grass								X	X																						
*	*Arctotheca calendula*	Cape weed													X	X		X			X	X	X	X		X		X	X		X		
*	*Artemisia verlotiorum*	Chinese W ormwood																				X											
	Arthropodium strictum s.l.	Chocolate Lily																						X		X	X	X	X				
*	*Arum italicum*	Italian Arum																															X
*	*Asparagus asparagoides*	Bridal Creeper	CaLP Act																						X								
	Asperula conferta	Common W oodruff					X		X	X	X			X														X					
	Asperula spp.	Woodruff																								X							
*	*Asphodelus fistulosus*	Onion Weed	CaLP Act			X			X													X											
	Asteraceae spp.	Composite																								X		X	X				
	Astroloma humifusum	Cranberry Heath																								X							
	Austrostipa bigeniculata	Kneed Spear-grass					X		X	X	X																						
	Austrostipa semibarbata	Fibrous Spear-grass							X	X	X								X		X			X	X								

						Sites																											
Origin	**Scientific Name**	**Common Name**	**CaLP Act weed**	**Victorian Advisory List**	**Conservation Status**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**
	Austrostipa spp.	Spear Grass				X														X								X					
*	*Avena fatua*	Wild Oat					x						X			X				X	X	X			X				X		X		
	Azolla filiculoides	Pacific Azolla																											X				
	Azolla spp.	Azolla																													X		
	Bossiaea prostrata	Creeping Bossiaea																								x							

						Sites																											
Origin	**Scientific Name**	**Common Name**	**CaLP Act weed**	**Victorian Advisory List**	**Conservation Status**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**
	Bossiaea spp.																										X						
	Bothriochloa macra	Red-leg Grass				X																											
*	*Brachychiton populneus subsp. populneus*	Kurrajong																												X			
	Brachyscome spp.	Daisy																						X									
*	*Brassica fruticulosa*	Twiggy Turnip					X	X																									
	Brassicaceae spp.	Crucifer										X	X	X	X	X	X				X					X			X	X			
*	*Briza maxima*	Large Quaking-grass																			X												
*	*Briza spp.*	Quaking Grass																		X		X				X	X	X					
*	*Bromus catharticus*	Prairie Grass																														X	X
*	*Bromus diandrus*	Great Brome											X																				
	Bulbine bulbosa	Bulbine Lily																	X						X			X					
	Burchardia umbellata	Milkmaids																															
	Bursaria spinosa	Sweet Bursaria															X									X	X	X					
	Caladenia carnea/pusilla	Caladenia																									x						
	Callistemon spp.	Bottlebrush																												X			
*	*Callitriche stagnalis*	Common Water-starwort																											X		X		
	Callitris spp.	Cypress-pine																											X				
	Carex appressa	Tall Sedge																				X							X		X		
	Carex spp.	Sedge																			X					X							
	Cassinia aculeata subsp. aculeata	Common Cassinia							X	X							X	X	X	X	X	X	X	X	X	X	X	X					
*	*Cenchrus clandestinus*	Kikuyu				X	X								X																		
*	*Cerastium glomeratum s.l.*	Common Mouse-ear Chickweed																				X	X										
*	*Chamaecytisus palmensis*	Tree Lucerne							X	X																					X	X	
	Cheilanthes spp.	Rock Fern																								X	X	X					
	Chloris truncata	Windmill Grass							X																X				X			x	

						Sites																												
Origin	**Scientific Name**	**Common Name**	**CaLP Act weed**	**Victorian Advisory List**	**Conservation Status**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**
	Chrysocephalum semipapposum	Clustered Everlasting																	X		X													
	Chrysocephalum spp.	Everlasting																X	X											X	X			
*	*Cirsium spp.*	Thistle	CaLP Act													X																		
*	*Cirsium vulgare*	Spear Thistle	CaLP Act							X											X	X			X		X	X			X	X	X	
	Convolvulus angustissimus	Blushing Bindweed							X	X	X																							
	Correa reflexa	Common Correa															X																	
*	*Cortaderia selloana*	Pampas Grass								X	X						X																	
*	*Cortaderia spp.*	Pampas Grass															X																	
*	*Cotoneaster glaucophyllus var. serotinus*	Large-leaf Cotoneaster																			X													
	Cotula australis	Common Cotula								X	)																							
	Crassula decumbens var. decumbens	Spreading Crassula																												X				
	Crassula spp.	Crassula							X																				X					
*	*Crataegus monogyna*	Hawthorn																																X
	Cyanicula caerulea	Blue Fairy																									x							

						Sites																												
Origin	**Scientific Name**	**Common Name**	**CaLP Act weed**	**Victorian Advisory List**	**Conservation Status**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**
*	*Cynara cardunculus subsp. flavescens*	Artichoke Thistle	CaLP Act			X	X	X	X			X	X	X	X	X	X																	
*	*Cynodon dactylon var. dactylon*	Couch						X																					X	X	X			
*	*Cyperus eragrostis*	Drain Flat-sedge																					X						X		X			
*	*Dactylis glomerata*	Cocksfoot								X	X					X	X			X	X	X			X		X	X						
	Daviesia genistifolia s.l.	Broom Bitter-pea																								X								
	Daviesia spp.	Bitter-pea																									X							
	Daviesia ulicifolia	Gorse Bitter-pea																								X		X	X					
	Deyeuxia spp.	Bent Grass																											X					
	Dianella admixta	Black-anther Flax-lily																X		X	X		X	X	X	X	X	X			X			
	Dianella sp. aff. longifolia (Benambra)	Arching Flax-lily		Vulnerable	vu																							X						
	Dianella tarda	Late-flower Flax-lily		Vulnerable	vu															X						X	X	X						
	Digitaria spp.																												X					
	Dillwynia cinerascens s.l.	Grey Parrot-pea																			X						X							
	Dillwynia spp.	Parrot Pea																						X			X							
	Dodonaea viscosa	Sticky Hop-bush			#										X																			
	Drosera spp.	Sundew																X								X	X							

						Sites																											
Origin	**Scientific Name**	**Common Name**	**CaLP Act weed**	**Victorian Advisory List**	**Conservation Status**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**
*	*Echium plantagineum*	Paterson's Curse	CaLP Act											X		X				X	X							X		X	X	X	X
*	*Ehrharta erecta var. erecta*	Panic Veldt-grass																															X
*	*Ehrharta longiflora*	Annual Veldt-grass																				X	X	X	X	X	X	X	X				
*	*Ehrharta spp.*	Veldt Grass																	X														
	Einadia hastata	Saloop																													X		
	Enchylaena tomentosa var. tomentosa	Ruby Saltbush										X																					
	Epilobium billardierianum	Variable Willow-herb																										X		X	X		
*	*Eragrostis curvula*	African Love-grass	CaLP Act																			X			X		X		X		X		
	Erodium spp.	Heron's Bill				X															X							X	X	X			
	Eucalyptus camaldulensis	River Red-gum			X								X		X					X	X	X	X					X	X	X	X	X	X
*	*Eucalyptus cladocalyx*	Sugar Gum																											X				
	Eucalyptus macrorhyncha	Red Stringybark																							X	X							
	Eucalyptus melliodora	Yellow Box																		X	X	X	X	X	X		X	X					
	Eucalyptus microcarpa	Grey Box												X					X	X		X	X	X	X	X	X	X			X		
	Eucalyptus polyanthemos	Red Box																						X	X	X					X		
	Eucalyptus tricarpa	Red Ironbark																						X									
	Exocarpos cupressiformis	Cherry Ballart																								X							
*	*Foeniculum vulgare*	Fennel	CaLP Act				X		X	X	X	X	X	X	X	X																	
*	*Fraxinus spp.*	Ash																				x							X	X	X		
*	*Freesia alba x Freesia leichtlinii*	Freesia hybrid																									X						
*	*Fumaria spp.*	Fumitory														X			X	X		X			X				X	X	X	X	X
	Gahnia radula	Thatch Saw-sedge																	X														
*	*Galenia pubescens var. pubescens*	Galenia				X			X			X															X	X					
*	*Galium aparine*	Cleavers																				X				X			X			X	X

						Sites																											
Origin	**Scientific Name**	**Common Name**	**CaLP Act weed**	**Victorian Advisory List**	**Conservation Status**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**
*	*Gazania spp.*	Gazania																				X							X				
*	*Genista linifolia*	Flax-leaf Broom	CaLP Act				x																				X						
*	*Genista monspessulana*	Montpellier Broom	CaLP Act										X				X			X	X		X			X				X			
*	*Geranium molle*	Dove's Foot						x																									
	Geranium retrorsum s.l.	Grassland Crane's-bill								X	)																						
	Geranium spp.	Crane's Bill															X	X		X	X		X		X	X			X		X		X

						Sites																										
Origin	**Scientific Name**	**Common Name**	**CaLP Act weed**	**Victorian Advisory List**	**Conservation Status**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**
	Glossodia major	Wax-lip Orchid																									x						
	Gonocarpus tetragynus	Common Raspwort																X		X	X				X	X	X						
	Goodenia pinnatifida	Cut-leaf Goodenia																		X													
	Goodenia spp.	Goodenia																								X							
	Grevillea rosmarinifolia subsp. rosmarinifolia	Rosemary Grevillea		Rare	r #															X	X												
	Grevillea spp.	Grevillea																		X	X									X			
	Hardenbergia violacea	Purple Coral-pea																X	X	X				X	X	X	X						
*	*Hedera helix*	English Ivy																			X												X
	Helichrysum luteoalbum	Jersey Cudweed																															X
	Hibbertia riparia	Erect Guinea-flower																											X				
	Hibbertia spp.	Guinea Flower																								X		X					
*	*Holcus lanatus*	Yorkshire Fog																			X								X	X			
	Hydrocotyle spp.	Pennywort																							X								
*	*Hypericum perforatum subsp. veronense*	St John's Wort	CaLP Act													X	X		X	X		X				X			X	X			X
*	*Hypochaeris radicata*	Flatweed													X			X			X		X							X		x	
	Hypoxis vaginata	Yellow Star																		X													
	Indigofera australis	Austral Indigo																						X									
*	*Juncus acutus subsp. acutus*	Spiny Rush	CaLP Act																		X	X			X								
	Juncus planifolius	Broad-leaf Rush																						X									
	Juncus spp.	Rush														X		X			X	X	X	X	X	X		X			X	X	X
	Kunzea ericoides s.l.	Burgan																									X			X			
*	*Lactuca serriola*	Prickly Lettuce																												X			X
	Lepidosperma spp.	Sword Sedge																							X								
	Leptorhynchos squamatus	Scaly Buttons																		X													
	Leptospermum spp.	Tea Tree													X																		
*	*Ligustrum lucidum*	Large-leaf Privet																														X	X
*	*Ligustrum spp.*	Privet																		X										X		X	X
	Linum marginale	Native Flax																										X					
*	*Lolium perenne*	Perennial Rye-grass					X	X																									
*	*Lolium spp.*	Rye Grass													X									X					X		X		
*	*Lolium temulentum*	Darnel																															
	Lomandra filiformis	Wattle Mat-rush												X				X					X	X	X	X	X	X					
	Lomandra longifolia	Spiny-headed Mat-rush															X																

						Sites																											
Origin	**Scientific Name**	**Common Name**	**CaLP Act weed**	**Victorian Advisory List**	**Conservation Status**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**
	Lomandra spp.	Mat-rush																										X					

						Sites																											
Origin	**Scientific Name**	**Common Name**	**CaLP Act weed**	**Victorian Advisory List**	**Conservation Status**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**
*	*Lycium ferocissimum*	African Box-thorn	CaLP Act					X	X				X																				
*	*Lysimachia arvensis*	Scarlet Pimpernel																													X		
	Lythrum hyssopifolia	Small Loosestrife																							X						X		X
	Malva spp.	Mallow											X																X				
*	*Marrubium vulgare*	Horehound	CaLP Act																			X											
	Melaleuca spp.	Honey-myrtle																												X			
	Melicytus dentatus s.l.	Tree Violet																			X	X	X		X								
	Microlaena stipoides var. stipoides	Weeping Grass																			X		X		X								x
*	*Moraea miniata*	Two-leaf Cape-tulip	CaLP Act			;																											
*	*Nassella neesiana*	Chilean Needle-grass	CaLP Act			;	x		x			X	x	X		X																	
*	*Nassella trichotoma*	Serrated Tussock	CaLP Act			;				X	)		X																				
*	*Olea europaea*	European Olive							X																								
	Olearia spp.	Daisy Bush																												X			
*	*Opuntia spp.*	Prickly pear	CaLP Act					X	X				X	X																			
	Oxalis perennans	Grassland Wood-sorrel								X	)																						
*	*Oxalis pes-caprae*	Soursob	CaLP Act			;		x	x			X	X	X	X	X				X	X	X			X	X	X	X	X	X	X		X
*	*Oxalis purpurea*	Large-flower W ood-sorrel																		X	X		X										
	Oxalis spp.	Wood Sorrel				;										X		X							X			X					
	Panicum effusum	Hairy Panic																											X	X			X
	Panicum spp.	Panic																													X		
*	*Papaver spp.*	Poppy																											X		X		
*	*Paspalum dilatatum*	Paspalum						X	X						X				X	X									X	X	X	X	X
	Pelargonium australe	Austral Stork's-bill				;																											
	Persicaria decipiens	Slender Knotweed																			X												
*	*Phalaris aquatica*	Toowoomba Canary-grass				;							X			X	X		X	X	X	X			X					X	X		X
*	*Phleum pratense*	Timothy Grass																									X		X		X		
*	*Phoenix canariensis*	Canary Island Date-palm																			X												
	Phragmites australis	Common Reed																												X			
	Pimelea flava	Yellow Rice-flower																						X									

						Sites																												
Origin	**Scientific Name**	**Common Name**	**CaLP Act weed**	**Victorian Advisory List**	**Conservation Status**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**
	Pimelea glauca	Smooth Rice-flower																X			X					X								
	Pimelea humilis	Common Rice-flower																	X															
	Pimelea spp.	Rice Flower																							X	X	X							
*	*Pinus radiata*	Radiata Pine															X			X	X								X					
*	*Piptatherum miliaceum*	Rice Millet								X	X																							
#	*Pittosporum undulatum*	Sweet Pittosporum																		X														
*	*Plantago coronopus*	Buck's-horn Plantain																			X													
*	*Plantago lanceolata*	Ribwort										X	X	X	X	X	X	X		X	X	X	X		X	X	X	X	X		X	X		
	Plantago spp.	Plantain																					X					X						
	Plantago varia	Variable Plantain																		X	X													

						Sites																												
Origin	**Scientific Name**	**Common Name**	**CaLP Act weed**	**Victorian Advisory List**	**Conservation Status**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**
*	*Poa annua*	Annual Meadow-grass															X																	
	Poa labillardierei	Common Tussock-grass																												X				
	Poa morrisii	Soft Tussock-grass																		X														
*	*Prunus spp.*	Prunus														X				X	X	X			X	X		X				X	X	
	Pterostylis nana.	Dwarf Greenhood																									X							
	Pultenaea pedunculata	Matted Bush-pea																	X															
	Pultenaea spp.	Bush-pea																								X		X	X					
*	*Romulea rosea*	Onion Grass					X					X	X		X	X		X	X	X		X	X		X	X	X	X	X		X			
*	*Rosa rubiginosa*	Sweet Briar	CaLP Act						X	X	X								X	X	X	X			X			X						
*	*Rubus fruticosus spp. agg.*	Blackberry	CaLP Act						X	X						X	X	X	X	X	X	X			X	X					X		X
*	*Rumex spp. (naturalised)*	Dock (naturalised)																			X	X				X	X							
	Rytidosperma caespitosum	Common W allaby-grass					X		X	X																								
	Rytidosperma fulvum	Copper-awned Wallaby-grass					X	X	X	X										X		X			X	X	X	X	X					
	Rytidosperma pallidum	Silvertop Wallaby-grass																						X	X	X	X							
	Rytidosperma racemosum var. racemosum	Slender Wallaby-grass														X																		
	Rytidosperma spp.	Wallaby Grass							X	X	X									X														
*	*Salix babylonica s.l.*	Weeping Willow																																X
*	*Salix spp.*	Willow	CaLP Act																															X
	Schoenus apogon	Common Bog-sedge																X							X									
*	*Senecio angulatus*	Climbing Groundsel						X														X												

						Sites																											
Origin	**Scientific Name**	**Common Name**	**CaLP Act weed**	**Victorian Advisory List**	**Conservation Status**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**
	Senecio glomeratus	Annual Fireweed																			X												
	Senecio quadridentatus	Cotton Fireweed														X		X			X	X				X		X					
*	*Silybum marianum*	Variegated Thistle	CaLP Act																														X
*	*Solanum nigrum s.l.*	Black Nightshade																															X
	Solanum spp.	Nightshade																											X				
*	*Sonchus oleraceus*	Common Sow-thistle															X								X		X	X	X	X		X	X
	Sonchus spp.	Sow Thistle																											X				
	Stackhousia monogyna s.l.	Creamy Stackhousia																	X		X			X									
	Tetratheca ciliata	Pink-bells																						X		X							
	Thelymitra spp.	Sun Orchid																X								X	X						
	Themeda triandra	Kangaroo Grass				X												X		X	X	X	X	X	X	X	X	X			X		
*	*Trifolium spp.*	Clover											X				X								X	X		X	X			X	
*	*Triticum aestivum*	Wheat																											X				
	Typha domingensis	Narrow-leaf Cumbungi																													X		
*	*Ulex europaeus*	Gorse	CaLP Act														X	X				X											
	Urtica incisa	Scrub Nettle			*																	X											
*	*Verbena bonariensis s.l.*	Purple-top Verbena																															X
	Veronica plebeia	Trailing Speedwell																									X						
*	*Vicia sativa*	Common Vetch				X						X			X																		
*	*Vicia spp.*	Vetch														X	X		X	X	X	X			X				X	X	X	X	X
*	*Vinca major*	Blue Periwinkle						X													X	X								X			X

						Sites																											
Origin	**Scientific Name**	**Common Name**	**CaLP Act weed**	**Victorian Advisory List**	**Conservation Status**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**
	Vittadinia spp.	New Holland Daisy								X	X																						
*	*Vulpia spp.*	Fescue																														x	
*	*Watsonia spp.*	Watsonia	CaLP Act														X										X						
	Wurmbea dioica	Common Early Nancy																		X		X		X	X	X	X	X					
	Xanthorrhoea minor subsp. lutea	Small Grass-tree																X						X		X							

Site index:

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6	Westfield Drive
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9	Belair Avenue Bridge
10	Barry Rd Bridge
11	Hume Hwy
12	Broadford Road Bridge (Wandong)
13	Signal Gantry Structure
14	Signal Gantry Structure
15	Hamilton St Bridge (Broadford)
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24	Beaconsfield Parade (Glenrowan)
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Appendix H

Threatened Species Habitat Maps

We Deliver

Tottenhan TO Albury

Ecological Habitat Map

MAP 1 OF 16

0 75 150 m

Coordinate System: GDA 1994 MGA Zone 55

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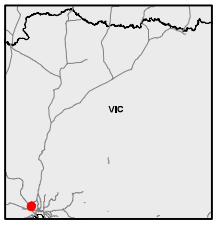
Date: 04-Dec-19 Paper: A3
Author: JC Scale: 1:4,000
Data Sources: ARTC, VicMap, DataVIC

Project Area
Investigation Area (2018, 2019)

Threatened Fauna Habitat
Golden Sun Moth and Striped Legless Lizard

Threatened Flora Habitat



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Tottenhan TO Albury

Ecological Habitat Map

MAP 2 OF 16

0 60 120 m

Coordinate System: GDA 1994 MGA Zone 55

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Date: 04-Dec-19 Paper: A3
Author: JC Scale: 1:3,200
Data Sources: ARTC, VicMap, DataVIC

Project Area
Investigation Area (2018, 2019)

Threatened Fauna Habitat
- Growling Grass Frog
- Golden Sun Moth, Striped Legless Lizard, Growling Grass Frog
- Striped Legless Lizard Tile Survey (2017)

Threatened Flora Habitat

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Tottenhan TO Albury

Ecological Habitat Map

MAP 3 OF 16

0 100 200 m

Coordinate System: GDA 1994 MGA Zone 55

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Date: 04-Dec-19 Paper: A3
Author: JC Scale: 1:5,500
Data Sources: ARTC, VicMap, DataVIC

Project Area
Investigation Area (2018, 2019)

Threatened Fauna Habitat
- Growling Grass Frog
- Golden Sun Moth
- Golden Sun Moth Targeted Survey Site
- Striped Legless Lizard Tile Survey (2017)

Threatened Flora Habitat

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Tottenhan TO Albury

Ecological Habitat Map

MAP 4 OF 16

0 50 100 m

Coordinate System: GDA 1994 MGA Zone 55

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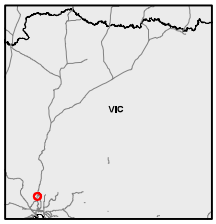
Date: 04-Dec-19 Paper: A3
Author: JC Scale: 1:3,000
Data Sources: ARTC, VicMap, DataVIC

Project Area
Investigation Area (2018, 2019)

Threatened Fauna Habitat
Golden Sun Moth and Striped Legless Lizard

Threatened Flora Habitat
Large-flowered crane's-bill



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Tottenhan TO Albury

Ecological Habitat Map

0 50 100 m

Coordinate System: GDA 1994 MGA Zone 55

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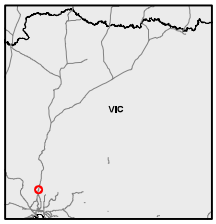
Date: 04-Dec-19 Paper: A3
Author: JC Scale: 1:3,000
Data Sources: ARTC, VicMap, DataVIC

Project Area
Investigation Area (2018, 2019)

Threatened Fauna Habitat
Golden Sun Moth, Striped Legless Lizard, Growling Grass Frog

Threatened Flora Habitat
Matted Flax-lily and Large-flowered crane's-bill



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Tottenhan TO Albury

Ecological Habitat Map

MAP 6 OF 16

0 60 120 m

Coordinate System: GDA 1994 MGA Zone 55

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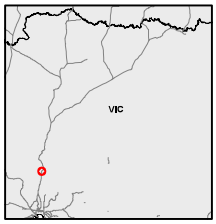
Date: 04-Dec-19 Paper: A3
Author: JC Scale: 1:3,500
Data Sources: ARTC, VicMap, DataVIC

Project Area
Investigation Area (2018, 2019)
Track Slew Impact Area

Threatened Fauna Habitat
Golden Sun Moth, Striped Legless Lizard, Growling Grass Frog
Mature Tree and Hollow-Bearing

Threatened Flora Habitat
Matted Flax-lily, Swamp Everlasting and Swamp Fireweed



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Tottenhan TO Albury

Ecological Habitat Map

MAP 7 OF 16

0 40 80 m

Coordinate System: GDA 1994 MGA Zone 55

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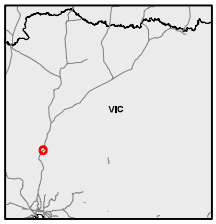
Date: 04-Dec-19 Paper: A3
Author: JC Scale: 1:2,500
Data Sources: ARTC, VicMap, DataVIC

Project Area
Investigation Area (2018, 2019)

Threatened Fauna Habitat
Mature Tree

Threatened Flora Habitat
Orchid Species



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Tottenhan TO Albury

Ecological Habitat Map

MAP 8 OF 16

0 50 100 m

Coordinate System: GDA 1994 MGA Zone 55

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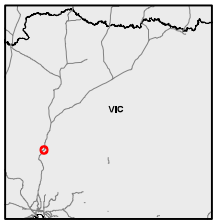
Date: 04-Dec-19
Author: JC
Paper: A3
Scale: 1:3,000
Data Sources: ARTC, VicMap, DataVIC

Project Area
Investigation Area (2018, 2019)

Threatened Fauna Habitat
Golden Sun Moth
Woodland Bird Habitat
Mature Tree
Mature Tree and Hollow-Bearing

Threatened Flora Habitat



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Tottenhan TO Albury

Ecological Habitat Map

MAP 9 OF 16

0 40 80 m

Coordinate System: GDA 1994 MGA Zone 55

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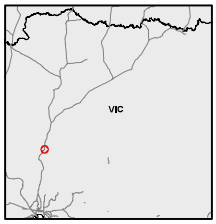
Date: 04-Dec-19 Paper: A3
Author: JC Scale: 1:2,500
Data Sources: ARTC, VicMap, DataVIC

Project Area
Investigation Area (2018, 2019)

Threatened Fauna Habitat
Golden Sun Moth and Striped Legless Lizard
Woodland Bird Habitat
Mature Tree
Mature Tree and Hollow-Bearing

Threatened Flora Habitat



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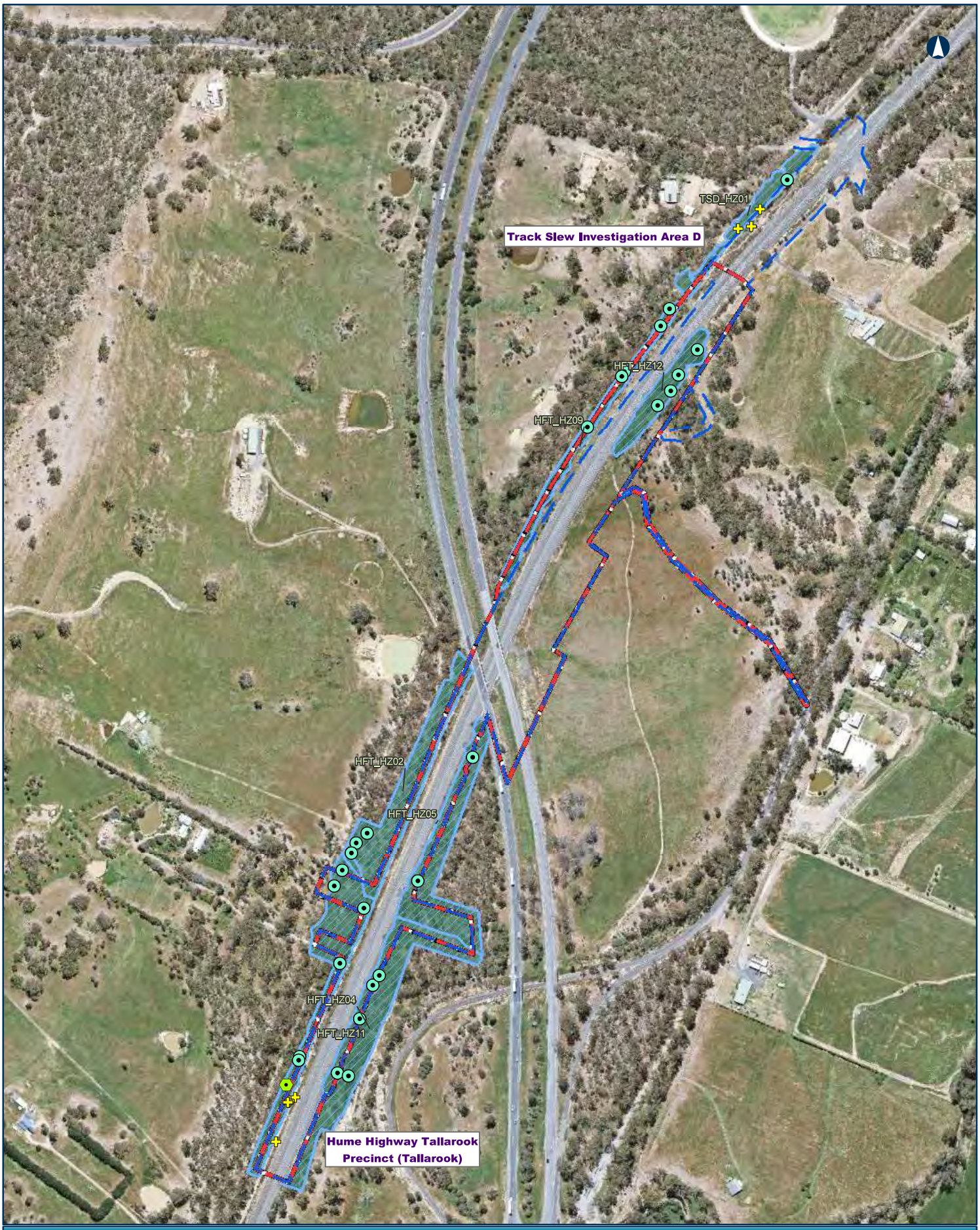

Tottenhan TO Albury

Ecological Habitat Map

0 75 150 m

Coordinate System: GDA 1994 MGA Zone 55

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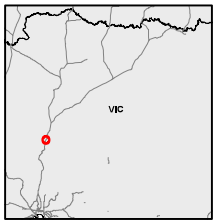
Date: 04-Dec-19 Paper: A3
Author: JC Scale: 1:4,000
Data Sources: ARTC, VicMap, DataVIC

Project Area
Investigation Area (2018, 2019)

Threatened Fauna Habitat
- Woodland Bird Habitat
- Brush-tailed phascogale and squirrel glider
- Mature Tree
- Mature Tree and Hollow-Bearing

Threatened Flora Habitat
- Orchid Species



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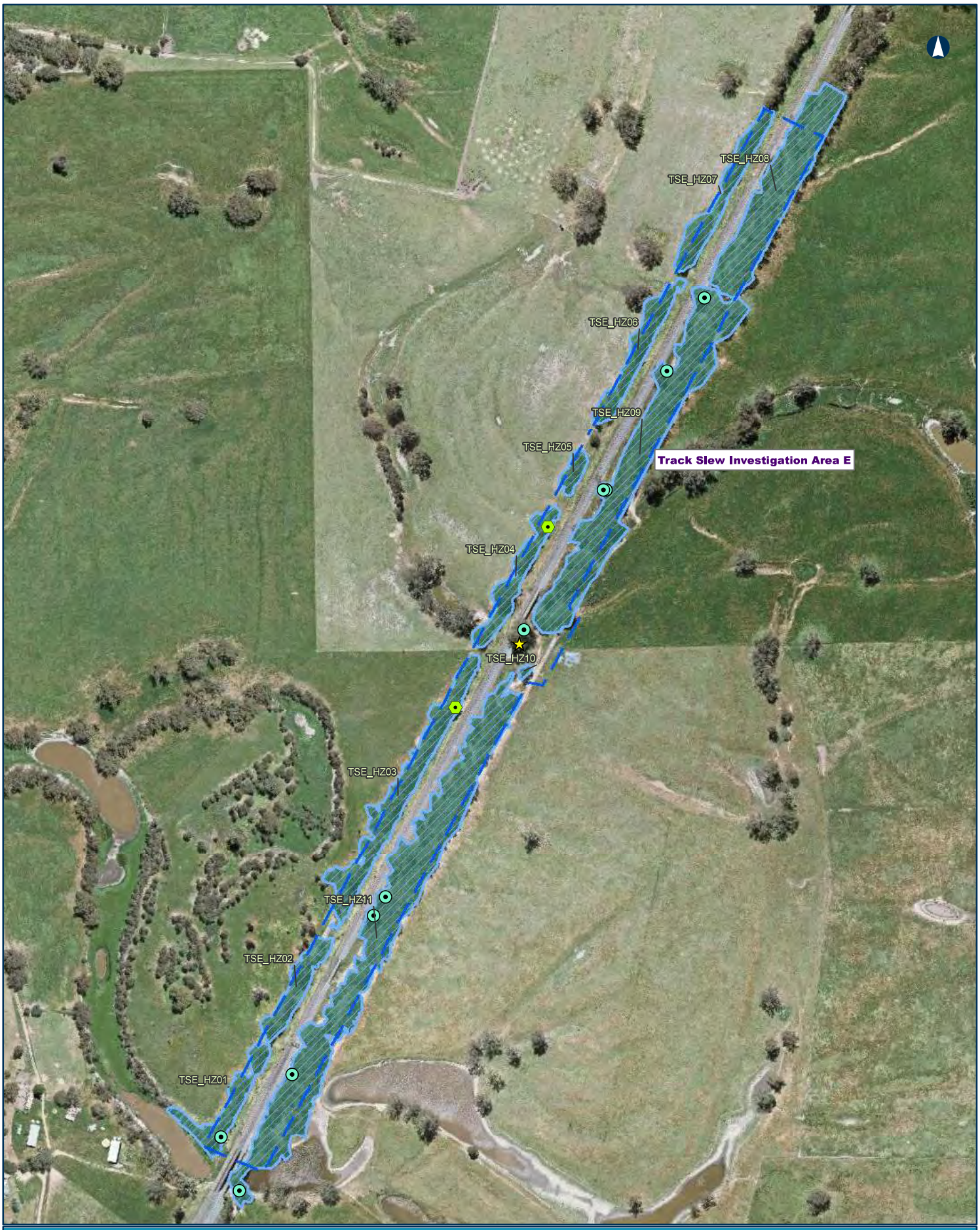

Tottenhan TO Albury

Ecological Habitat Map

MAP 11 OF 16

0 70 140 m

Coordinate System: GDA 1994 MGA Zone 55

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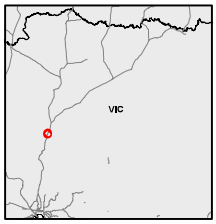
Date: 04-Dec-19 Paper: A3
Author: JC Scale: 1:3,800
Data Sources: ARTC, VicMap, DataVIC

Project Area
Investigation Area (2018, 2019)

Threatened Fauna Habitat
Woodland Bird Habitat
Brush-tailed phascogale and squirrel glider
Sugar Gum Raptor Nest
Mature Tree
Mature Tree and Hollow-Bearing

Threatened Flora Habitat



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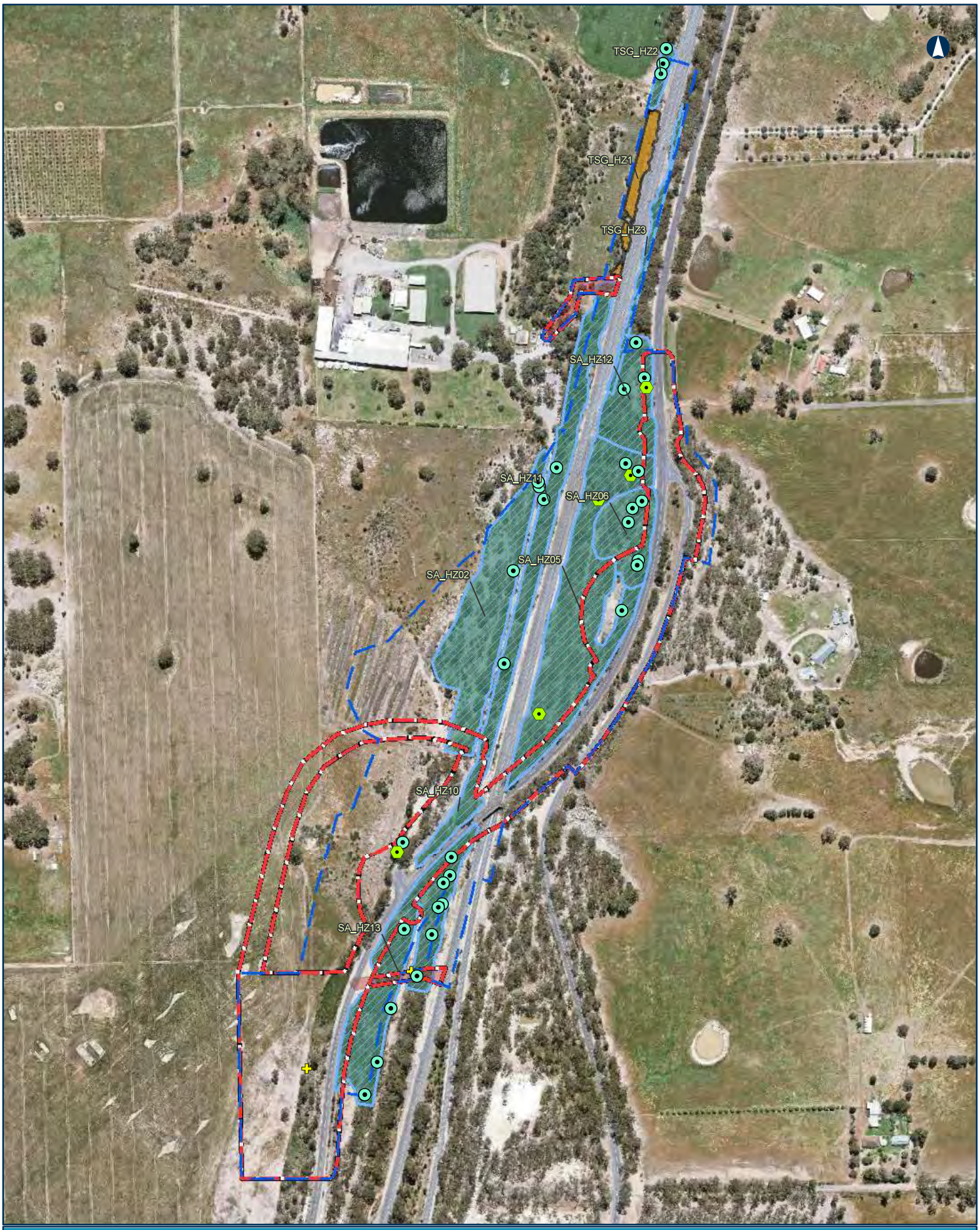

Tottenhan TO Albury

Ecological Habitat Map

MAP 12 OF 16

0 75 150 m

Coordinate System: GDA 1994 MGA Zone 55

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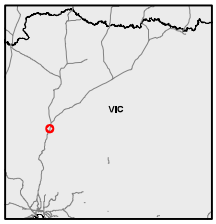
Date: 04-Dec-19 Paper: A3
Author: JC Scale: 1:4,000
Data Sources: ARTC, VicMap, DataVIC

Project Area
Investigation Area (2018, 2019)
Track Slew Impact Area

Threatened Fauna Habitat
Golden Sun Moth and Striped Legless Lizard
Woodland Bird Habitat
Brush-tailed phascogale and squirrel glider
Mature Tree
Mature Tree and Hollow-Bearing

Threatened Flora Habitat
Orchid Species



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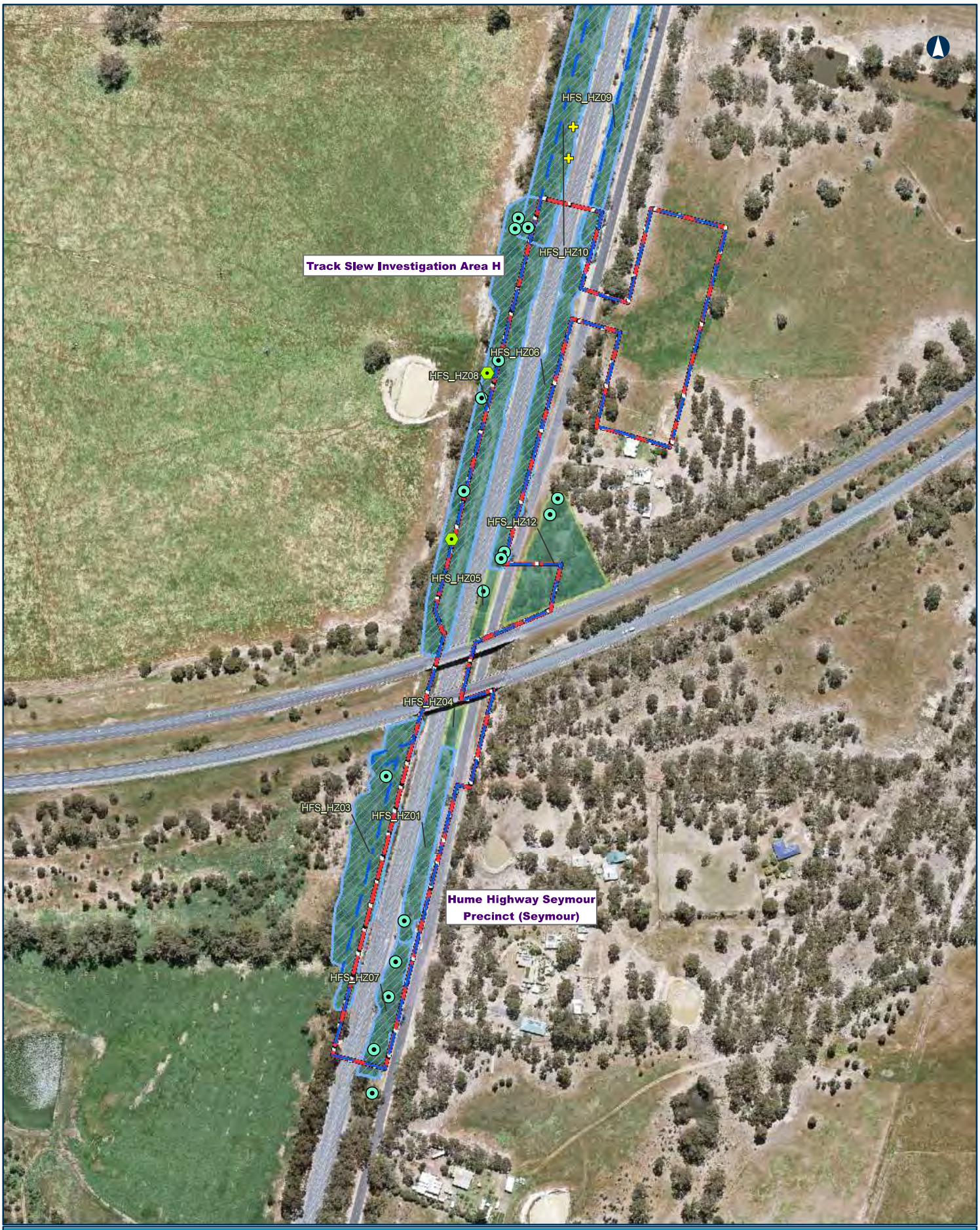

Tottenhan TO Albury

Ecological Habitat Map

MAP 13 OF 16

0 50 100 m

Coordinate System: GDA 1994 MGA Zone 55

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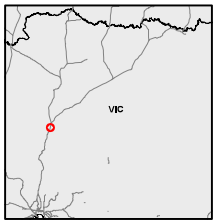
Date: 04-Dec-19 Paper: A3
Author: JC Scale: 1:3,000
Data Sources: ARTC, VicMap, DataVIC

Project Area
Investigation Area (2018, 2019)

Threatened Fauna Habitat
- Woodland Bird Habitat
- Brush-tailed phascogale and squirrel glider
- Mature Tree
- Mature Tree and Hollow-Bearing

Threatened Flora Habitat
- Orchid Species



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Tottenhan TO Albury

Ecological Habitat Map

0 75 150 m

Coordinate System: GDA 1994 MGA Zone 55

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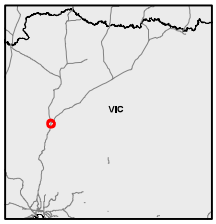
Date: 04-Dec-19 Paper: A3
Author: JC Scale: 1:4,000
Data Sources: ARTC, VicMap, DataVIC

Project Area
Investigation Area (2018, 2019)

Threatened Fauna Habitat
Woodland Bird Habitat
Brush-tailed phascogale and squirrel glider
Mature Tree

Threatened Flora Habitat
Orchid Species



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Tottenhan TO Albury

Ecological Habitat Map

0 75 150 m

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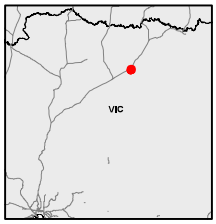
Author: JC Scale: 1:4,000
Data Sources: ARTC, VicMap, DataVIC

Project Area
Investigation Area (2018, 2019)

Threatened Fauna Habitat
Woodland Bird Habitat
Mature Tree

Threatened Flora Habitat
Purple diuris



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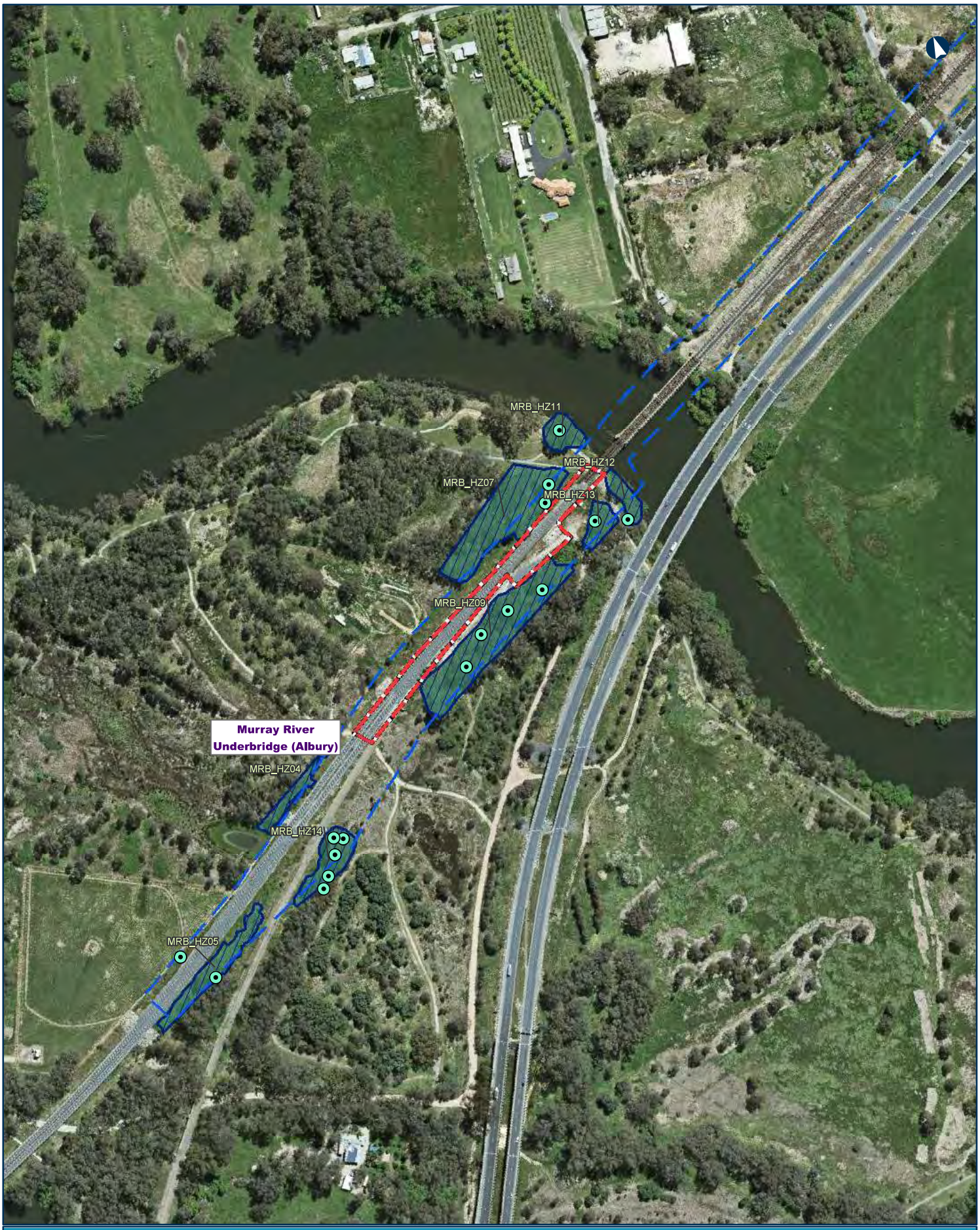

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Ecological Habitat Map

MAP 16 OF 16

0 50 100 m

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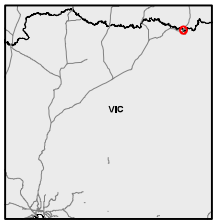
Author: JC Scale: 1:3,000
Data Sources: ARTC, VicMap, DataVIC

Project Area
Investigation Area (2018, 2019)

Threatened Fauna Habitat
Woodland Bird Habitat
Squirrel glider
Mature Tree

Threatened Flora Habitat



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Appendix I

EnSym Tool Test Result

We Deliver

Scenario test – native vegetation removal

This report provides offset requirements for internal testing of different proposals to remove native vegetation. **This report DOES NOT support an application to remove, destroy or lop native vegetation under Clause 52.16 or 52.17 of planning schemes in Victoria.** A report must be obtained from the Department of Environment, Land, Water and Planning (DELWP).

Date of issue: **04/12/2019**
Time of issue: **3:47 pm**

Report ID: Scenario Testing

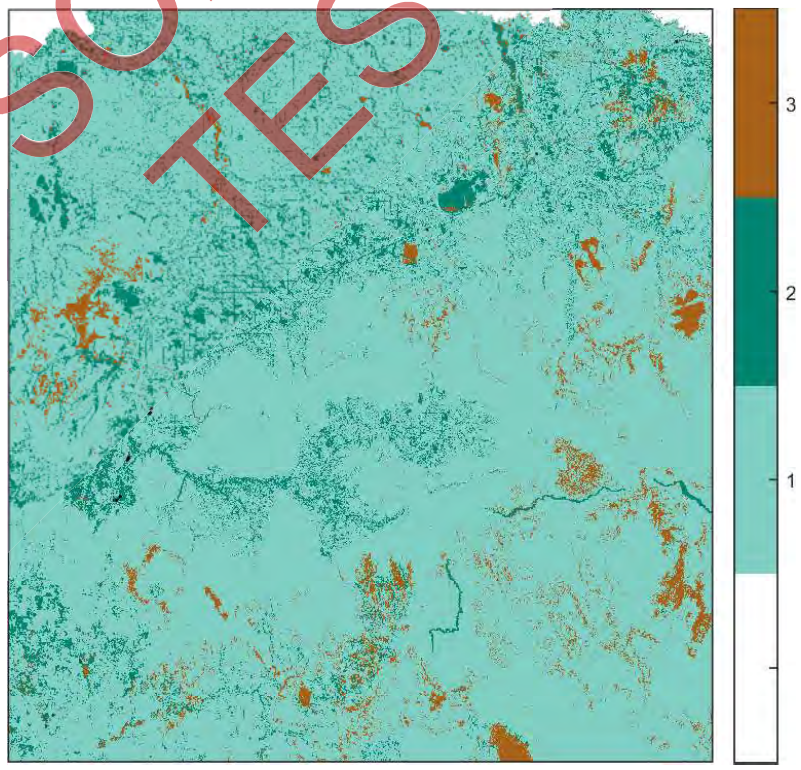
Project ID	EnSym_NativePatch_All_191204

Assessment pathway

Assessment pathway	**Detailed Assessment Pathway**
Extent including past and proposed	25.470 ha
Extent of past removal	0.000 ha
Extent of proposed removal	25.470 ha
No. Large trees proposed to be removed	128
Location category of proposed removal	Location 2 The native vegetation is in an area mapped as an endangered Ecological Vegetation Class (as per the statewide EVC map). Removal of less than 0.5 hectares of native vegetation in this location will not have a significant impact on any habitat for a rare or threatened species.

SCENARIO TESTING

1. Location map



Scenario test – native vegetation removal

Offset requirements if a permit is granted

Any approval granted will include a condition to obtain an offset that meets the following requirements:

General offset amount[1]	12.563 general habitat units
Vicinity	Goulburn Broken, North East, Port Phillip and Westernport Catchment Management Authority (CMA) or Benalla Rural City, Brimbank City, Hume City, Mitchell Shire, Moonee Valley City, Moreland City, Strathbogie Shire, Wangaratta Rural City, Wodonga City Council
Minimum strategic biodiversity value score[2]	0.415
Large trees	128 large trees

NB: values within tables in this document may not add to the totals shown above due to rounding

Appendix 1 includes information about the native vegetation to be removed

Appendix 2 includes information about the rare or threatened species mapped at the site.

Appendix 3 includes maps showing native vegetation to be removed and extracts of relevant species habitat importance maps

SCENARIO TESTING

1 The general offset amount required is the sum of all general habitat units in Appendix 1.

2 Minimum strategic biodiversity score is 80 per cent of the weighted average score across habitat zones where a general offset is required

Scenario test – native vegetation removal

Next steps

Any proposal to remove native vegetation must meet the application requirements of the Detailed Assessment Pathway and it will be assessed under the Detailed Assessment Pathway.

This report DOES NOT support an application to remove, destroy or lop native vegetation under Clause 52.16 or 52.17 of planning schemes in Victoria.

If you wish to remove the mapped native vegetation you must submit the related shapefiles to the Department of Environment, Land, Water and Planning (DELWP) for processing, by email to ensymnvrtool.support@delwp.vic.gov.au. DELWP will provide a *Native vegetation removal report* that is required to meet the permit application requirements in accordance with *Guidelines for the removal, destruction or lopping of native vegetation* (Guidelines).

SCENARIO TESTING

Appendix 1: Description of native vegetation to be removed

The species-general offset test was applied to your proposal. This test determines if the proposed removal of native vegetation has a proportional impact on any rare or threatened species habitats above the species offset threshold. The threshold is set at 0.005 per cent of the mapped habitat value for a species. When the proportional impact is above the species offset threshold a species offset is required. This test is done for all species mapped at the site. Multiple species offsets will be required if the species offset threshold is exceeded for multiple species.

Where a zone requires species offset(s), the species habitat units for each species in that zone is calculated by the following equation in accordance with the Guidelines:

Species habitat units = extent x condition x species landscape factor x 2, where the species landscape factor = 0.5 + (habitat importance score/2)

The species offset amount(s) required is the sum of all species habitat units per zone

Where a zone does not require a species offset, the general habitat units in that zone is calculated by the following equation in accordance with the Guidelines:

General habitat units = extent x condition x general landscape factor x 1.5, where the general landscape factor = 0.5 + (strategic biodiversity value score/2)

The general offset amount required is the sum of all general habitat units per zone.

Native vegetation to be removed

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	**Type**	**BioEVC**	**BioEVC conservation status**	**Large tree(s)**	**Partial removal**	**Condition score**	**Polygon Extent**	**Extent without overlap**	**SBV score**	**HI score**	**Habitat units**	**Offset type**
1-A	Patch	vvp_0132_61	Endangered	1	no	0.270	0.056	0.056	0.100		0.013	General
37-A	Patch	vvp_0132_61	Endangered	0	no	0.160	0.017	0.017	0.100		0.002	General
38-A	Patch	vvp_0132_61	Endangered	0	no	0.240	0.084	0.084	0.309		0.020	General
39-A	Patch	vvp_0132_61	Endangered	0	no	0.160	0.006	0.006	0.100		0.001	General
40-A	Patch	vvp_0132_61	Endangered	0	no	0.200	0.024	0.024	0.100		0.004	General
46-A	Patch	vvp_0132_61	Endangered	0	no	0.210	0.034	0.034	0.190		0.006	General
47-A	Patch	vvp_0132_61	Endangered	0	no	0.200	0.018	0.018	0.320		0.004	General
48-A	Patch	vvp_0132_61	Endangered	0	no	0.200	0.018	0.018	0.319		0.004	General
128-A	Patch	vvp_0132_61	Endangered	0	no	0.350	0.059	0.059	0.100		0.017	General
129-A	Patch	vvp_0132_61	Endangered	0	no	0.280	0.000	0.000	0.260		0.000	General

SCENARIO TESTING

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
130-A	Patch	vvp_0132_61	Endangered	0	no	0.210	0.012	0.012	0.104		0.002	General
131-A	Patch	vvp_0132_61	Endangered	0	no	0.250	0.038	0.038	0.360		0.010	General
132-A	Patch	vvp_0132_61	Endangered	0	no	0.250	0.004	0.004	0.360		0.001	General
133-A	Patch	vvp_0132_61	Endangered	0	no	0.360	0.008	0.008	0.361		0.003	General
134-A	Patch	vvp_0132_61	Endangered	0	no	0.220	0.002	0.002	0.170		0.000	General
135-A	Patch	vvp_0132_61	Endangered	0	no	0.270	0.040	0.040	0.170		0.009	General
136-A	Patch	vvp_0055_61	Endangered	0	no	0.080	0.049	0.049	0.100		0.003	General
137-A	Patch	vvp_0132_61	Endangered	0	no	0.230	0.025	0.025	0.180		0.005	General
138-A	Patch	vvp_0132_61	Endangered	0	no	0.580	0.280	0.280	0.140		0.139	General
139-A	Patch	vvp_0132_61	Endangered	0	no	0.170	0.005	0.005	0.150		0.001	General
140-A	Patch	vvp_0132_61	Endangered	0	no	0.330	0.229	0.229	0.593		0.090	General
141-A	Patch	vvp_0132_61	Endangered	0	no	0.190	0.013	0.013	0.620		0.003	General
3-MIR_ST442	Scattered Tree	vvp_0132	Endangered	0	no	0.200	0.031	0.031	0.289		0.006	General

SCENARIO TESTING

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
9-BR_ST314	Scattered Tree	vvp_0132	Endangered	0	no	0.200	0.031	0.031	0.160		0.005	General
10-TF_ST358	Scattered Tree	vvp_0132	Endangered	0	no	0.200	0.031	0.031	0.190		0.006	General
11-TF_ST359	Scattered Tree	vvp_0132	Endangered	0	no	0.200	0.031	0.031	0.317		0.006	General
14-CF_ST663	Scattered Tree	vvp_0132_61	Endangered	0	no	0.200	0.031	0.027	0.100		0.004	General
15-CF_ST664	Scattered Tree	vvp_0132_61	Endangered	0	no	0.200	0.031	0.024	0.360		0.005	General
16-CF_ST665	Scattered Tree	vvp_0132_61	Endangered	0	no	0.200	0.031	0.024	0.360		0.005	General
17-CF_ST668	Scattered Tree	vvp_0132_61	Endangered	0	no	0.200	0.031	0.031	0.360		0.006	General
18-CF_ST669	Scattered Tree	vvp_0132_61	Endangered	0	no	0.200	0.031	0.026	0.360		0.005	General
19-CF_ST670	Scattered Tree	vvp_0132_61	Endangered	0	no	0.200	0.031	0.026	0.360		0.005	General

SCENARIO TESTING

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
20-WD_ST671	Scattered Tree	vvp_0132_61	Endangered	0	no	0.200	0.031	0.031	0.100		0.005	General
25-PV_ST676	Scattered Tree	vvp_0132	Endangered	0	no	0.200	0.031	0.017	0.100		0.003	General
26-PV_ST677	Scattered Tree	vvp_0132	Endangered	0	no	0.200	0.031	0.021	0.100		0.004	General
27-PV_ST678	Scattered Tree	vvp_0132	Endangered	0	no	0.200	0.031	0.025	0.100		0.004	General
28-PV_ST679	Scattered Tree	vvp_0132	Endangered	0	no	0.200	0.031	0.031	0.100		0.005	General
29-HFC_ST680	Scattered Tree	vvp_0132	Endangered	0	no	0.200	0.031	0.023	0.530		0.005	General
30-HFC_ST681	Scattered Tree	vvp_0132	Endangered	0	no	0.200	0.031	0.023	0.530		0.005	General
31-HFC_ST682	Scattered Tree	vvp_0132	Endangered	0	no	0.200	0.031	0.026	0.519		0.006	General

SCENARIO TESTING

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
32-HFC_ST683	Scattered Tree	vvp_0132	Endangered	0	no	0.200	0.031	0.026	0.505		0.006	General
36-CF_ST667	Scattered Tree	vvp_0132	Endangered	0	no	0.200	0.031	0.031	0.360		0.006	General
142-HS_HZ01	Patch	cvu_0175_61	Endangered	0	no	0.320	0.142	0.142	0.100		0.038	General
1-HS_HZ05	Patch	cvu_0175_61	Endangered	1	no	0.260	0.144	0.144	0.100		0.031	General
2-HS_HZ06	Patch	cvu_0175_61	Endangered	0	no	0.210	0.013	0.013	0.100		0.002	General
3-HS_HZ07	Patch	cvu_0175_61	Endangered	0	no	0.340	0.039	0.039	0.100		0.011	General
4-HS_HZ08	Patch	cvu_0055	Endangered	0	no	0.000	0.031	0.031	0.100		0.000	General
5-SS_HZ01	Patch	vriv0803	Endangered	2	no	0.360	0.388	0.388	0.511		0.158	General
6-SS_HZ02	Patch	cvu_0055	Endangered	0	no	0.180	0.013	0.013	0.100		0.002	General
7-SS_HZ03	Patch	cvu_0055	Endangered	1	no	0.210	0.064	0.064	0.100		0.011	General

SCENARIO TESTING

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
8-SS_HZ04	Patch	cvu_0055	Endangered	0	no	0.180	0.008	0.008	0.100		0.001	General
9-SS_HZ05	Patch	cvu_0055	Endangered	0	no	0.110	0.082	0.082	0.100		0.007	General
10-SS_HZ10	Patch	cvu_0055	Endangered	1	no	0.300	0.472	0.472	0.169		0.124	General
11-SS_HZ11	Patch	cvu_0055	Endangered	0	no	0.310	0.048	0.048	0.150		0.013	General
12-SS_HZ13	Patch	vriv0055_61	Endangered	0	no	0.300	0.087	0.087	0.570		0.031	General
13-SS_HZ14	Patch	vriv0803	Endangered	0	no	0.180	0.036	0.036	0.570		0.008	General
14-SS_HZ15	Patch	cvu_0055	Endangered	0	no	0.000	0.024	0.024	0.100		0.000	General
15-SS_HZ16	Patch	cvu_0055	Endangered	0	no	0.000	0.021	0.021	0.100		0.000	General
16-SS_HZ17	Patch	cvu_0055	Endangered	1	no	0.000	0.111	0.111	0.100		0.000	General
17-MR_HZ05	Patch	cvu_0175_61	Endangered	1	no	0.340	0.241	0.241	0.867		0.115	General

SCENARIO TESTING

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
19-MR_HZ11	Patch	cvu_0055	Endangered	0	no	0.310	0.575	0.575	0.755		0.235	General
20-MR_HZ10	Patch	cvu_0055	Endangered	8	no	0.390	0.656	0.656	0.841		0.353	General
21-MR_HZ13	Patch	cvu_0055	Endangered	0	no	0.230	0.019	0.019	0.640		0.006	General
22-MR_HZ14	Patch	cvu_0055	Endangered	0	no	0.220	0.033	0.033	0.640		0.009	General
23-MR_HZ02	Patch	cvu_0055	Endangered	5	no	0.400	0.356	0.356	0.640		0.175	General
24-MR_HZ03	Patch	cvu_0055	Endangered	2	no	0.360	0.314	0.314	0.640		0.139	General
25-MR_HZ04	Patch	cvu_0175_61	Endangered	0	no	0.260	0.085	0.085	0.771		0.029	General
26-MR_HZ15	Patch	cvu_0055	Endangered	0	no	0.230	0.004	0.004	0.640		0.001	General
27-MR_HZ16	Patch	cvu_0055	Endangered	0	no	0.260	0.027	0.027	0.640		0.009	General
28-MR_HZ08	Patch	cvu_0055	Endangered	0	no	0.260	0.130	0.130	0.866		0.047	General

SCENARIO TESTING

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
33-HFT_HZ01	Patch	cvu_0175_61	Endangered	0	no	0.600	0.129	0.129	0.549		0.090	General
34-HFT_HZ02	Patch	cvu_0175_61	Endangered	0	no	0.600	0.670	0.670	0.550		0.467	General
35-HFT_HZ04	Patch	cvu_0055	Endangered	5	no	0.620	0.936	0.936	0.594		0.693	General
36-HFT_HZ05	Patch	cvu_0175_61	Endangered	2	no	0.680	0.826	0.826	0.559		0.657	General
37-HFT_HZ10	Patch	cvu_0055	Endangered	0	no	0.560	0.130	0.130	0.587		0.087	General
38-HFT_HZ11	Patch	cvu_0055	Endangered	7	no	0.700	0.832	0.832	0.572		0.687	General
39-HFT_HZ03	Patch	cvu_0175_61	Endangered	0	no	0.180	0.066	0.066	0.517		0.013	General
40-HFT_HZ12	Patch	cvu_0175_61	Endangered	4	no	0.270	0.352	0.352	0.539		0.110	General
41-HFT_HZ06	Patch	cvu_0175_61	Endangered	0	no	0.390	0.061	0.061	0.490		0.027	General
42-HFT_HZ07	Patch	cvu_0175_61	Endangered	0	no	0.180	0.048	0.048	0.530		0.010	General

SCENARIO TESTING

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
43-HFT_HZ08	Patch	cvu_0175_61	Endangered	0	no	0.450	0.395	0.395	0.540		0.205	General
44-HFT_HZ09	Patch	cvu_0175_61	Endangered	5	no	0.680	0.372	0.372	0.555		0.295	General
45-TSD_HZ01	Patch	cvu_0175_61	Endangered	1	no	0.000	0.302	0.302	0.643		0.000	General
46-HFT_HZ13	Patch	cvu_0175_61	Endangered	0	no	0.000	0.270	0.270	0.620		0.000	General
47-HFT_HZ14	Patch	cvu_0175_61	Endangered	0	no	0.000	0.188	0.188	0.620		0.000	General
48-SA_HZ01	Patch	cvu_0061	Vulnerable	2	no	0.600	0.406	0.406	0.661		0.304	General
50-SA_HZ15	Patch	cvu_0055	Endangered	0	no	0.360	0.306	0.306	0.610		0.133	General
51-SA_HZ04	Patch	cvu_0055	Endangered	0	no	0.390	0.602	0.602	0.579		0.278	General
53-SA_HZ06	Patch	cvu_0061	Vulnerable	4	no	0.450	0.374	0.374	0.609		0.203	General
54-SA_HZ13	Patch	cvu_0061	Vulnerable	4	no	0.720	0.873	0.873	0.677		0.790	General

SCENARIO TESTING

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Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
55-SA_HZ07	Patch	cvu_0061	Vulnerable	0	no	0.600	0.413	0.413	0.620		0.301	General
57-SA_HZ09	Patch	cvu_0061	Vulnerable	0	no	0.600	0.137	0.137	0.760		0.109	General
58-SA_HZ10	Patch	cvu_0061	Vulnerable	0	no	0.560	0.232	0.232	0.632		0.159	General
59-SA_HZ11	Patch	cvu_0061	Vulnerable	0	no	0.620	0.062	0.062	0.590		0.046	General
60-SA_HZ12	Patch	cvu_0055	Endangered	3	no	0.700	0.370	0.370	0.717		0.334	General
61-SA_HZ17	Patch	cvu_0061	Vulnerable	0	no	0.260	0.174	0.174	0.760		0.060	General
62-SA_HZ03	Patch	cvu_0055	Endangered	0	no	0.410	0.158	0.158	0.610		0.078	General
63-SA_HZ02	Patch	cvu_0061	Vulnerable	0	no	0.610	0.142	0.142	0.590		0.104	General
65-SA_HZ08	Patch	cvu_0061	Vulnerable	0	no	0.510	0.529	0.529	0.661		0.336	General
67-SA_HZ19	Patch	cvu_0055	Endangered	0	no	0.000	0.055	0.055	0.516		0.000	General

SCENARIO TESTING

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Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
68-HFS_HZ03	Patch	cvu_0061	Vulnerable	1	no	0.580	0.483	0.483	0.528		0.321	General
69-HFS_HZ12	Patch	cvu_0061	Vulnerable	0	no	0.000	0.289	0.289	0.600		0.000	General
70-HFS_HZ01	Patch	cvu_0061	Vulnerable	1	no	0.590	0.240	0.240	0.548		0.164	General
71-HFS_HZ02	Patch	cvu_0061	Vulnerable	0	no	0.270	0.008	0.008	0.600		0.003	General
72-HFS_HZ04	Patch	cvu_0061	Vulnerable	0	no	0.270	0.043	0.043	0.580		0.014	General
73-HFS_HZ05	Patch	cvu_0061	Vulnerable	1	no	0.350	0.067	0.067	0.600		0.028	General
74-HFS_HZ06	Patch	cvu_0061	Vulnerable	2	no	0.590	0.509	0.509	0.606		0.362	General
75-HFS_HZ07	Patch	cvu_0061	Vulnerable	3	no	0.660	0.223	0.223	0.574		0.174	General

SCENARIO TESTING

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Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
76-HFS_HZ08	Patch	cvu_0061	Vulnerable	6	no	0.580	1.078	1.078	0.605		0.753	General
77-BS_HZ07	Patch	vriv0803	Endangered	3	no	0.000	0.402	0.402	0.240		0.000	General
78-BS_HZ08	Patch	vriv0803	Endangered	2	no	0.000	0.085	0.085	0.240		0.000	General
79-WS_HZ01	Patch	vriv0068	Endangered	10	no	0.580	0.566	0.566	0.270		0.313	General
80-WS_HZ02	Patch	vriv0803	Endangered	0	no	0.250	0.024	0.024	0.188		0.005	General
81-WS_HZ03	Patch	vriv0068	Endangered	0	no	0.180	0.004	0.004	0.270		0.001	General
82-WS_HZ05	Patch	vriv0068	Endangered	3	no	0.320	0.081	0.081	0.270		0.025	General
83-WS_HZ04	Patch	vriv0068	Endangered	9	no	0.340	0.137	0.137	0.270		0.044	General
84-MV_HZ01	Patch	nis_0803	Endangered	0	no	0.200	0.019	0.019	0.770		0.005	General
85-MV_HZ02	Patch	nis_0803	Endangered	0	no	0.110	0.019	0.019	0.770		0.003	General

SCENARIO TESTING

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
86-MV_HZ03	Patch	nis_0803	Endangered	0	no	0.140	0.080	0.080	0.560		0.013	General
87-MV_HZ04	Patch	nis_0803	Endangered	0	no	0.140	0.188	0.188	0.621		0.032	General
88-MV_HZ05	Patch	nis_0803	Endangered	0	no	0.100	0.008	0.008	0.770		0.001	General
89-MV_HZ06	Patch	nis_0803	Endangered	0	no	0.230	0.097	0.097	0.563		0.026	General
90-MV_HZ07	Patch	nis_0803	Endangered	0	no	0.230	0.035	0.035	0.770		0.011	General
91-MV_HZ08	Patch	nis_0803	Endangered	0	no	0.230	0.109	0.109	0.770		0.033	General
92-MV_HZ09	Patch	nis_0803	Endangered	0	no	0.180	0.060	0.060	0.770		0.014	General
93-MV_HZ10	Patch	nis_0803	Endangered	0	no	0.000	0.012	0.012	0.460		0.000	General
94-HS_HZ04	Patch	cvu_0055	Endangered	0	no	0.230	0.251	0.251	0.100		0.048	General
95-BP_HZ01	Patch	nis_0803	Endangered	0	no	0.440	0.264	0.264	0.370		0.119	General

SCENARIO TESTING

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
52-SA_HZ05	Patch	cvu_0061	Vulnerable	1	no	0.660	1.036	1.036	0.578		0.809	General
52-SA_HZ05	Patch	cvu_0061	Vulnerable	2	no	0.660	0.117	0.117	0.610		0.093	General
143-BP_ST84	Scattered Tree	nis_0175	Endangered	0	no	0.200	0.031	0.031	0.370		0.006	General
1-BP_ST335	Scattered Tree	nis_0175	Endangered	0	no	0.200	0.031	0.031	0.370		0.006	General
2-BP_ST336	Scattered Tree	nis_0175	Endangered	1	no	0.200	0.070	0.070	0.370		0.014	General
3-BP_ST85	Scattered Tree	nis_0175	Endangered	0	no	0.200	0.031	0.031	0.370		0.006	General
4-BP_ST86	Scattered Tree	nis_0175	Endangered	0	no	0.200	0.031	0.019	0.370		0.004	General
5-BP_ST87	Scattered Tree	nis_0175	Endangered	0	no	0.200	0.031	0.018	0.370		0.004	General
6-BP_ST88	Scattered Tree	nis_0175	Endangered	0	no	0.200	0.031	0.030	0.370		0.006	General
7-BP_ST89	Scattered Tree	nis_0175	Endangered	1	no	0.200	0.070	0.069	0.370		0.014	General

SCENARIO TESTING

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
8-BP_ST344	Scattered Tree	nis_0175	Endangered	0	no	0.200	0.031	0.018	0.370		0.004	General
9-BP_ST345	Scattered Tree	nis_0175	Endangered	0	no	0.200	0.031	0.013	0.370		0.003	General
10-HS_ST0	Scattered Tree	vriv0055	Endangered	1	no	0.200	0.070	0.070	0.100		0.012	General
11-HS_ST1	Scattered Tree	vriv0055	Endangered	0	no	0.200	0.031	0.001	0.100		0.000	General
12-HS_CT362	Scattered Tree	vriv0055	Endangered	1	no	0.200	0.070	0.070	0.100		0.012	General
13-HS_ST2	Scattered Tree	cvu_0175	Endangered	0	no	0.200	0.031	0.017	0.100		0.003	General
14-HS_ST315	Scattered Tree	cvu_0055	Endangered	0	no	0.200	0.031	0.031	0.100		0.005	General
15-MR_ST178	Scattered Tree	cvu_0055	Endangered	1	no	0.200	0.070	0.064	0.640		0.016	General
16-MR_ST328	Scattered Tree	cvu_0055	Endangered	0	no	0.200	0.031	0.031	0.770		0.008	General

SCENARIO TESTING

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
17-MR_ST329	Scattered Tree	cvu_0055	Endangered	1	no	0.200	0.070	0.035	0.640		0.009	General
18-MR_ST330	Scattered Tree	cvu_0055	Endangered	0	no	0.200	0.031	0.007	0.640		0.002	General
19-MR_ST331	Scattered Tree	cvu_0055	Endangered	0	no	0.200	0.031	0.009	0.640		0.002	General
20-MR_ST332	Scattered Tree	cvu_0055	Endangered	1	no	0.200	0.070	0.039	0.640		0.010	General
21-MR_ST360	Scattered Tree	cvu_0055	Endangered	0	no	0.200	0.031	0.007	0.640		0.002	General
22-MR_ST175	Scattered Tree	cvu_0175	Endangered	1	no	0.200	0.070	0.023	0.770		0.006	General
23-MR_ST280	Scattered Tree	cvu_0175	Endangered	0	no	0.200	0.031	0.010	0.770		0.003	General
24-MR_ST281	Scattered Tree	cvu_0175	Endangered	0	no	0.200	0.031	0.002	0.770		0.000	General

SCENARIO TESTING

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Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
25-MR_ST282	Scattered Tree	cvu_0175	Endangered	0	no	0.200	0.031	0.017	0.770		0.005	General
27-MR_ST327	Scattered Tree	cvu_0175	Endangered	0	no	0.200	0.031	0.030	0.770		0.008	General
28-SS_ST316	Scattered Tree	vriv0055	Endangered	0	no	0.200	0.031	0.031	0.100		0.005	General
29-SS_ST320	Scattered Tree	cvu_0055	Endangered	0	no	0.200	0.031	0.031	0.150		0.005	General
30-WS_ST91	Scattered Tree	vriv0068	Endangered	0	no	0.200	0.031	0.018	0.270		0.003	General
31-WS_ST92	Scattered Tree	vriv0068	Endangered	0	no	0.200	0.031	0.018	0.270		0.003	General
32-WS_ST94	Scattered Tree	vriv0068	Endangered	1	no	0.200	0.070	0.070	0.270		0.013	General
33-WS_ST258	Scattered Tree	vriv0068	Endangered	0	no	0.200	0.031	0.031	0.100		0.005	General
34-WS_ST310	Scattered Tree	vriv0068	Endangered	0	no	0.200	0.031	0.027	0.270		0.005	General

SCENARIO TESTING

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
35-WS_ST346	Scattered Tree	vriv0068	Endangered	0	no	0.200	0.031	0.031	0.270		0.006	General
36-WS_ST347	Scattered Tree	vriv0068	Endangered	0	no	0.200	0.031	0.029	0.270		0.006	General
37-WS_ST348	Scattered Tree	vriv0068	Endangered	1	no	0.200	0.070	0.070	0.270		0.013	General
38-WS_ST350	Scattered Tree	vriv0068	Endangered	1	no	0.200	0.070	0.064	0.270		0.012	General
39-WS_ST351	Scattered Tree	vriv0068	Endangered	1	no	0.200	0.070	0.065	0.270		0.012	General
40-BS_ST3	Scattered Tree	vriv0055	Endangered	0	no	0.200	0.031	0.031	0.240		0.006	General
41-BS_ST4	Scattered Tree	vriv0055	Endangered	0	no	0.200	0.031	0.031	0.240		0.006	General
42-BS_ST69	Scattered Tree	vriv0055	Endangered	1	no	0.200	0.070	0.070	0.240		0.013	General
43-BS_ST70	Scattered Tree	vriv0055	Endangered	0	no	0.200	0.031	0.012	0.240		0.002	General

SCENARIO TESTING

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
44-BS_ST71	Scattered Tree	vriv0055	Endangered	0	no	0.200	0.031	0.014	0.240		0.003	General
45-BS_ST72	Scattered Tree	vriv0055	Endangered	0	no	0.200	0.031	0.016	0.240		0.003	General
46-BS_ST73	Scattered Tree	vriv0055	Endangered	0	no	0.200	0.031	0.021	0.240		0.004	General
47-BS_ST74	Scattered Tree	vriv0055	Endangered	0	no	0.200	0.031	0.010	0.240		0.002	General
48-BS_ST75	Scattered Tree	vriv0055	Endangered	0	no	0.200	0.031	0.013	0.240		0.002	General
49-BS_ST76	Scattered Tree	vriv0055	Endangered	0	no	0.200	0.031	0.008	0.240		0.001	General
50-BS_ST77	Scattered Tree	vriv0055	Endangered	0	no	0.200	0.031	0.004	0.240		0.001	General
51-BS_ST259	Scattered Tree	vriv0055	Endangered	1	no	0.200	0.070	0.070	0.240		0.013	General
52-BS_ST257	Scattered Tree	vriv0055	Endangered	0	no	0.200	0.031	0.031	0.240		0.006	General
53-MV_ST353	Scattered Tree	nis_0187	Endangered	0	no	0.200	0.031	0.011	0.200		0.002	General

SCENARIO TESTING

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
54-MV_ST354	Scattered Tree	nis_0187	Endangered	1	no	0.200	0.070	0.070	0.200		0.013	General
55-MV_CT109	Canopy Tree	nis_0187	Endangered	1	no	0.200	0.070	0.066	0.770		0.017	General
56-MV_ST443	Scattered Tree	nis_0803	Endangered	0	no	0.200	0.031	0.027	0.460		0.006	General
57-BS_ST504	Scattered Tree	vriv0803	Endangered	0	no	0.200	0.031	0.031	0.240		0.006	General
58-BS_ST509	Scattered Tree	vriv0803	Endangered	1	no	0.200	0.070	0.068	0.240		0.013	General
59-BS_ST511	Scattered Tree	vriv0803	Endangered	1	no	0.200	0.070	0.070	0.240		0.013	General
60-BS_ST512	Scattered Tree	vriv0803	Endangered	0	no	0.200	0.031	0.000			0.000	
61-BS_ST513	Scattered Tree	vriv0803	Endangered	0	no	0.200	0.031	0.012	0.240		0.002	General

SCENARIO TESTING

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
62-BS_ST514	Scattered Tree	vriv0803	Endangered	0	no	0.200	0.031	0.027	0.240		0.005	General
63-MR_ST603	Scattered Tree	cvu_0055	Endangered	1	no	0.200	0.070	0.039	0.640		0.010	General
64-MR_ST604	Scattered Tree	cvu_0055	Endangered	0	no	0.200	0.031	0.010	0.640		0.003	General
65-MR_ST605	Scattered Tree	cvu_0055	Endangered	0	no	0.200	0.031	0.000	0.640		0.000	General
66-MR_ST606	Scattered Tree	cvu_0055	Endangered	1	no	0.200	0.070	0.039	0.640		0.010	General
67-MR_ST608	Scattered Tree	cvu_0055	Endangered	0	no	0.200	0.031	0.011	0.647		0.003	General
68-MR_ST609	Scattered Tree	cvu_0055	Endangered	0	no	0.200	0.031	0.017	0.641		0.004	General
69-SS_ST612	Scattered Tree	cvu_0055	Endangered	1	no	0.200	0.070	0.070	0.100		0.012	General

SCENARIO TESTING

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
70-SS_ST613	Scattered Tree	cvu_0055	Endangered	0	no	0.200	0.031	0.029	0.100		0.005	General
71-AS_ST515	Scattered Tree	vriv0055	Endangered	1	no	0.200	0.070	0.070	0.140		0.012	General
72-AS_ST516	Scattered Tree	vriv0055	Endangered	0	no	0.200	0.031	0.001	0.140		0.000	General
73-AS_ST517	Scattered Tree	vriv0055	Endangered	0	no	0.200	0.031	0.009	0.140		0.002	General
74-AS_ST518	Scattered Tree	vriv0055	Endangered	0	no	0.200	0.031	0.001	0.140		0.000	General
75-AS_ST519	Scattered Tree	vriv0055	Endangered	0	no	0.200	0.031	0.015	0.140		0.003	General
76-AS_ST521	Scattered Tree	vriv0055	Endangered	0	no	0.200	0.031	0.013	0.140		0.002	General
77-AS_ST522	Scattered Tree	vriv0055	Endangered	1	no	0.200	0.070	0.070	0.140		0.012	General

SCENARIO TESTING

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
78-AS_ST523	Scattered Tree	vriv0055	Endangered	0	no	0.200	0.031	0.010	0.140		0.002	General
144-TSC_ST652	Scattered Tree	vvp_0083	Endangered	0	no	0.200	0.031	0.030	0.379		0.006	General
145-TSC_ST653	Scattered Tree	vvp_0083	Endangered	0	no	0.200	0.031	0.016	0.380		0.003	General
146-TSC_ST654	Scattered Tree	vvp_0083	Endangered	0	no	0.200	0.031	0.014	0.380		0.003	General
147-TSC_ST655	Scattered Tree	vvp_0083	Endangered	0	no	0.200	0.031	0.017	0.380		0.004	General
148-TSC_ST656	Scattered Tree	vvp_0083	Endangered	0	no	0.200	0.031	0.020	0.380		0.004	General
149-TSC_ST659	Scattered Tree	vvp_0083	Endangered	0	no	0.200	0.031	0.018	0.360		0.004	General
150-TSC_ST660	Scattered Tree	vvp_0083	Endangered	0	no	0.200	0.031	0.015	0.360		0.003	General

SCENARIO TESTING

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
152-TSC_ST661	Scattered Tree	vvp_0083	Endangered	0	no	0.200	0.031	0.022	0.360		0.004	General
153-TSC_ST662	Scattered Tree	vvp_0083	Endangered	0	no	0.200	0.031	0.025	0.360		0.005	General
154-TSC_HZ14	Patch	vvp_0132_61	Endangered	0	no	0.150	0.022	0.022	0.700		0.004	General
155-TSC_HZ05	Patch	vvp_0132_61	Endangered	0	no	0.200	0.020	0.020	0.410		0.004	General
56-TSC_HZ06	Patch	vvp_0083	Endangered	0	no	0.200	0.009	0.009	0.410		0.002	General
158-TSC_HZ10A	Patch	vvp_0132_61	Endangered	0	no	0.180	0.004	0.004	0.410		0.001	General
158-TSC_HZ10B	Patch	vvp_0132_61	Endangered	0	no	0.180	0.000	0.000	0.410		0.000	General
158-TSC_HZ10C	Patch	vvp_0132_61	Endangered	0	no	0.180	0.001	0.001	0.410		0.000	General

SCENARIO TESTING

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
158-TSC_HZ10D	Patch	vvp_0132_61	Endangered	0	no	0.180	0.000	0.000	0.410		0.000	General
158-TSC_HZ10E	Patch	vvp_0132_61	Endangered	0	no	0.180	0.000	0.000	0.410		0.000	General
159-TSC_HZ11A	Patch	vvp_0132_61	Endangered	0	no	0.370	0.005	0.005	0.410		0.002	General
159-TSC_HZ11B	Patch	vvp_0132_61	Endangered	0	no	0.370	0.003	0.003	0.410		0.001	General
159-TSC_HZ11C	Patch	vvp_0132_61	Endangered	0	no	0.370	0.001	0.001	0.410		0.000	General
159-TSC_HZ11D	Patch	vvp_0132_61	Endangered	0	no	0.370	0.000	0.000	0.360		0.000	General
159-TSC_HZ11E	Patch	vvp_0132_61	Endangered	0	no	0.370	0.001	0.001	0.360		0.000	General
156-TSC_HZ20A	Patch	vvp_0132_61	Endangered	0	no	0.370	0.000	0.000	0.360		0.000	General

SCENARIO TESTING

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	**Type**	**BioEVC**	**BioEVC conservation status**	**Large tree(s)**	**Partial removal**	**Condition score**	**Polygon Extent**	**Extent without overlap**	**SBV score**	**HI score**	**Habitat units**	**Offset type**
157-TSC_HZ20B	Patch	vvp_0132_61	Endangered	0	no	0.370	0.000	0.000	0.360		0.000	General
151-TSC_HZ01	Patch	vvp_0055_61	Endangered	1	no	0.320	0.163	0.163	0.360		0.053	General

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Appendix 2: Information about impacts to rare or threatened species' habitats on site

This table lists all rare or threatened species' habitats mapped at the site.

Species common name	Species scientific name	Species number	Conservation status	Group	Habitat impacted	% habitat value affected
Squirrel Glider	*Petaurus norfolcensis*	11137	Endangered	Dispersed	Habitat importance map	0.0029
Crimson Spider-orchid	*Caladenia concolor*	504347	Endangered	Dispersed	Habitat importance map	0.0027
Brown Toadlet	*Pseudophryne bibronii*	13117	Endangered	Dispersed	Habitat importance map	0.0016
Euroa Guinea-flower	*Hibbertia humifusa subsp. erigens*	505083	Vulnerable	Dispersed	Habitat importance map	0.0015
Painted Honeyeater	*Grantiella picta*	10598	Vulnerable	Dispersed	Habitat importance map	0.0015
Barking Owl	*Ninox connivens connivens*	10246	Endangered	Dispersed	Habitat importance map	0.0013
Speckled Warbler	*Chthonicola sagittatus*	10504	Vulnerable	Dispersed	Habitat importance map	0.0012
Murray River Turtle	*Emydura macquarii*	5135	Vulnerable	Dispersed	Habitat importance map	0.0010
Brush-tailed Phascogale	*Phascogale tapoatafa*	11017	Vulnerable	Dispersed	Habitat importance map	0.0008
Golden Sun Moth	*Synemon plana*	15021	Critically endangered	Dispersed	Habitat importance map	0.0008
Silver Perch	*Bidyanus bidyanus*	528544	Vulnerable	Dispersed	Habitat importance map	0.0007
Murray-Darling Rainbowfish	*Melanotaenia fluviatilis*	4774	Vulnerable	Dispersed	Habitat importance map	0.0007
Regent Honeyeater	*Anthochaera phrygia*	10603	Critically endangered	Dispersed	Habitat importance map	0.0006
Bush Stone-curlew	*Burhinus grallarius*	10174	Endangered	Dispersed	Habitat importance map	0.0006
Southern Pygmy Perch (Murray-Darling lineage)	*Nannoperca australis (Murray-Darling lineage)*	903231	Vulnerable	Dispersed	Habitat importance map	0.0005
Clover Glycine	*Glycine latrobeana*	501456	Vulnerable	Dispersed	Habitat importance map	0.0005
Murray Cod	*Maccullochella peelii*	4871	Vulnerable	Dispersed	Habitat importance map	0.0005
Cottony Cassinia	*Cassinia ozothamnoides*	501560	Vulnerable	Dispersed	Habitat importance map	0.0005
Growling Grass Frog	*Litoria raniformis*	13207	Endangered	Dispersed	Habitat importance map	0.0004

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Bent-leaf Wattle	*Acacia flexifolia*	500035	Rare	Dispersed	Habitat importance map	0.0004
Striped Legless Lizard	*Delma impar*	12159	Endangered	Dispersed	Habitat importance map	0.0004
Grey-crowned Babbler	*Pomatostomus temporalis temporalis*	10443	Endangered	Dispersed	Habitat importance map	0.0004
Chestnut-rumped Heathwren	*Calamanthus pyrrhopygius*	10498	Vulnerable	Dispersed	Habitat importance map	0.0004
Swift Parrot	*Lathamus discolor*	10309	Endangered	Dispersed	Habitat importance map	0.0004
Deane's Wattle	*Acacia deanei subsp. paucijuga*	504201	Rare	Dispersed	Habitat importance map	0.0004
Ausfeld's Wattle	*Acacia ausfeldii*	500013	Vulnerable	Dispersed	Habitat importance map	0.0003
Western Golden-tip	*Goodia medicaginea*	501518	Rare	Dispersed	Habitat importance map	0.0003
Broad-shelled Turtle	*Chelodina expansa*	5133	Endangered	Dispersed	Habitat importance map	0.0003
Late-flower Flax-lily	*Dianella tarda*	505085	Vulnerable	Dispersed	Habitat importance map	0.0003
Black Falcon	*Falco subniger*	10238	Vulnerable	Dispersed	Habitat importance map	0.0003
Lewin's Rail	*Lewinia pectoralis pectoralis*	10045	Vulnerable	Dispersed	Habitat importance map	0.0003
Square-tailed Kite	*Lophoictinia isura*	10230	Vulnerable	Dispersed	Habitat importance map	0.0003
Yarra Gum	*Eucalyptus yarraensis*	501326	Rare	Dispersed	Habitat importance map	0.0003
Superb Parrot	*Polytelis swainsonii*	10277	Endangered	Dispersed	Habitat importance map	0.0003
Grey-headed Flying-fox	*Pteropus poliocephalus*	11280	Vulnerable	Dispersed	Habitat importance map	0.0003
Purple Diuris	*Diuris punctata*	501084	Vulnerable	Dispersed	Habitat importance map	0.0002
Matted Flax-lily	*Dianella amoena*	505084	Endangered	Dispersed	Habitat importance map	0.0002
Golden Cowslips	*Diuris behrii*	501061	Vulnerable	Dispersed	Habitat importance map	0.0002
Broom Bitter-pea	*Daviesia genistifolia s.s.*	503813	Rare	Dispersed	Habitat importance map	0.0002
Rosemary Grevillea	*Grevillea rosmarinifolia subsp. rosmarinifolia*	504066	Rare	Dispersed	Habitat importance map	0.0002
Delicate Crane's-bill	*Geranium sp. 6*	505347	Vulnerable	Dispersed	Habitat importance map	0.0002
Yarran Wattle	*Acacia omalophylla*	500069	Endangered	Dispersed	Habitat importance map	0.0002

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Bearded Dragon	*Pogona barbata*	12177	Vulnerable	Dispersed	Habitat importance map	0.0002
Grey Grass-tree	*Xanthorrhoea glauca subsp. angustifolia*	507229	Endangered	Dispersed	Habitat importance map	0.0002
Pale Swamp Everlasting	*Coronidium gunnianum*	504655	Vulnerable	Dispersed	Habitat importance map	0.0002
Eastern Great Egret	*Ardea modesta*	10187	Vulnerable	Dispersed	Habitat importance map	0.0002
Western Silver Wattle	*Acacia decora*	500027	Vulnerable	Dispersed	Habitat importance map	0.0002
Dark Wire-grass	*Aristida calycina var. calycina*	503630	Rare	Dispersed	Habitat importance map	0.0002
Baillon's Crake	*Porzana pusilla palustris*	10050	Vulnerable	Dispersed	Habitat importance map	0.0002
Musk Duck	*Biziura lobata*	10217	Vulnerable	Dispersed	Habitat importance map	0.0002
Trailing Hop-bush	*Dodonaea procumbens*	501090	Vulnerable	Dispersed	Habitat importance map	0.0002
Slender Club-sedge	*Isolepis congrua*	501773	Vulnerable	Dispersed	Habitat importance map	0.0001
Hardhead	*Aythya australis*	10215	Vulnerable	Dispersed	Habitat importance map	0.0001
Button Rush	*Lipocarpha microcephala*	502020	Vulnerable	Dispersed	Habitat importance map	0.0001
Fuzzy New Holland Daisy	*Vittadinia cuneata var. morrisii*	505060	Rare	Dispersed	Habitat importance map	0.0001
Australasian Shoveler	*Anas rhynchotis*	10212	Vulnerable	Dispersed	Habitat importance map	0.0001
Narrow Goodenia	*Goodenia macbarronii*	501513	Vulnerable	Dispersed	Habitat importance map	0.0001
Curly Sedge	*Carex tasmanica*	500650	Vulnerable	Dispersed	Habitat importance map	0.0001
Small Golden Moths	*Diuris basaltica*	501473	Endangered	Dispersed	Habitat importance map	0.0001
Australian Painted Snipe	*Rostratula australis*	10170	Critically endangered	Dispersed	Habitat importance map	0.0001
Dwarf Brooklime	*Gratiola pumilo*	503753	Rare	Dispersed	Habitat importance map	0.0001
White-bellied Sea-Eagle	*Haliaeetus leucogaster*	10226	Vulnerable	Dispersed	Habitat importance map	0.0001
Smooth Darling-pea	*Swainsona galegifolia*	503992	Endangered	Dispersed	Habitat importance map	0.0001
Heath Spear-grass	*Austrostipa exilis*	503984	Rare	Dispersed	Habitat importance map	0.0001
Velvet Daisy-bush	*Olearia pannosa subsp. cardiophylla*	502317	Vulnerable	Dispersed	Habitat importance map	0.0001

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Blue-billed Duck	*Oxyura australis*	10216	Endangered	Dispersed	Habitat importance map	0.0001
Mugga	*Eucalyptus sideroxylon subsp. sideroxylon*	504493	Rare	Dispersed	Habitat importance map	0.0001
Floodplain Fireweed	*Senecio campylocarpus*	507136	Rare	Dispersed	Habitat importance map	0.0001
Australian Little Bittern	*Ixobrychus dubius*	10195	Endangered	Dispersed	Habitat importance map	0.0001
Northern Sandalwood	*Santalum lanceolatum*	503005	Endangered	Dispersed	Habitat importance map	0.0001
Brolga	*Grus rubicunda*	10177	Vulnerable	Dispersed	Habitat importance map	0.0001
Large-headed Fireweed	*Senecio macrocarpus*	503116	Endangered	Dispersed	Habitat importance map	0.0001
Grey Falcon	*Falco hypoleucos*	10236	Endangered	Dispersed	Habitat importance map	0.0001
Large-flower Crane's-bill	*Geranium sp. 1*	505342	Endangered	Dispersed	Habitat importance map	0.0001
Plump Swamp Wallaby-grass	*Amphibromus pithogastrus*	503624	Endangered	Dispersed	Habitat importance map	0.0001
Brackish Plains Buttercup	*Ranunculus diminutus*	504314	Rare	Dispersed	Habitat importance map	0.0001
Hairy Tails	*Ptilotus erubescens*	502825	Vulnerable	Dispersed	Habitat importance map	0.0001
Yellow Watercrown Grass	*Paspalidium flavidum*	507820	Endangered	Dispersed	Habitat importance map	0.0001
Little Egret	*Egretta garzetta nigripes*	10185	Endangered	Dispersed	Habitat importance map	0.0001
Intermediate Egret	*Ardea intermedia*	10186	Endangered	Dispersed	Habitat importance map	0.0001
Dookie Daisy	*Brachyscome gracilis*	505494	Vulnerable	Dispersed	Habitat importance map	0.0001
Small Scurf-pea	*Cullen parvum*	502773	Endangered	Dispersed	Habitat importance map	0.0001
Powerful Owl	*Ninox strenua*	10248	Vulnerable	Dispersed	Habitat importance map	0.0001
Buloke	*Allocasuarina luehmannii*	500678	Endangered	Dispersed	Habitat importance map	0.0001
Lace Monitor	*Varanus varius*	12283	Endangered	Dispersed	Habitat importance map	0.0001
Melbourne Yellow-gum	*Eucalyptus leucoxylon subsp. connata*	504484	Vulnerable	Dispersed	Habitat importance map	0.0001
Lanky Buttons	*Leptorhynchos elongatus*	501941	Endangered	Dispersed	Habitat importance map	0.0001
Veiled Fringe-sedge	*Fimbristylis velata*	501369	Rare	Dispersed	Habitat importance map	0.0001

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Umbrella Grass	*Digitaria divaricatissima var. divaricatissima*	501045	Vulnerable	Dispersed	Habitat importance map	0.0001
Tick Indigo	*Indigofera adesmiifolia*	503780	Vulnerable	Dispersed	Habitat importance map	0.0001
White-throated Needletail	*Hirundapus caudacutus*	10334	Vulnerable	Dispersed	Habitat importance map	0.0001
Riverina Bitter-cress	*Cardamine moirensis*	505032	Rare	Dispersed	Habitat importance map	0.0001
Tough Scurf-pea	*Cullen tenax*	502776	Endangered	Dispersed	Habitat importance map	0.0001
Pale-flower Crane's-bill	*Geranium sp. 3*	505344	Rare	Dispersed	Habitat importance map	0.0001
Arching Flax-lily	*Dianella sp. aff. longifolia (Benambra)*	505560	Vulnerable	Dispersed	Habitat importance map	0.0000
Small-leaf Bush-pea	*Pultenaea foliolosa*	502848	Rare	Dispersed	Habitat importance map	0.0000
Plains Yam-daisy	*Microseris scapigera s.s.*	504657	Vulnerable	Dispersed	Habitat importance map	0.0000
Rye Beetle-grass	*Tripogon loliiformis*	503455	Rare	Dispersed	Habitat importance map	0.0000
Common Bent-wing Bat (eastern ssp.)	*Miniopterus schreibersii oceanensis*	61342	Vulnerable	Dispersed	Habitat importance map	0.0000
Small Milkwort	*Comesperma polygaloides*	500798	Vulnerable	Dispersed	Habitat importance map	0.0000
Purple Blown-grass	*Lachnagrostis punicea subsp. punicea*	504206	Rare	Dispersed	Habitat importance map	0.0000
Swamp Fireweed	*Senecio psilocarpus*	504659	Vulnerable	Dispersed	Habitat importance map	0.0000
Spiny Rice-flower	*Pimelea spinescens subsp. spinescens*	504823	Endangered	Dispersed	Habitat importance map ; special site	0.0000
Dense Mint-bush	*Prostanthera decussata*	502739	Rare	Dispersed	Habitat importance map	0.0000
Branching Groundsel	*Senecio cunninghamii var. cunninghamii*	503104	Rare	Dispersed	Habitat importance map	0.0000
Waterbush	*Myoporum montanum*	502240	Rare	Dispersed	Habitat importance map	0.0000
Swamp Everlasting	*Xerochrysum palustre*	503763	Vulnerable	Dispersed	Habitat importance map	0.0000
Currawang	*Acacia doratoxylon*	500030	Rare	Dispersed	Habitat importance map	0.0000
Snowy Mint-bush	*Prostanthera nivea var. nivea*	502746	Rare	Dispersed	Habitat importance map	0.0000
Grey Goshawk	*Accipiter novaehollandiae novaehollandiae*	10220	Vulnerable	Dispersed	Habitat importance map	0.0000

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Annual Fireweed	*Senecio glomeratus subsp. longifructus*	507144	Rare	Dispersed	Habitat importance map	0.0000
Port Lincoln Snake	*Parasuta spectabilis*	12813	Vulnerable	Dispersed	Habitat importance map	0.0000
Austral Crane's-bill	*Geranium solanderi var. solanderi s.s.*	505337	Vulnerable	Dispersed	Habitat importance map	0.0000
Grassland Earless Dragon	*Tympanocryptis pinguicolla*	12922	Critically endangered	Dispersed	Habitat importance map	0.0000
Common Pipewort	*Eriocaulon scariosum*	501218	Rare	Dispersed	Habitat importance map	0.0000

Habitat group

- Highly localised habitat means there is 2000 hectares or less mapped habitat for the species
- Dispersed habitat means there is more than 2000 hectares of mapped habitat for the species

Habitat impacted

- Habitat importance maps are the maps defined in the Guidelines that include all the mapped habitat for a rare or threatened species
- Top ranking maps are the maps defined in the Guidelines that depict the important areas of a dispersed species habitat, developed from the highest habitat importance scores in dispersed species habitat maps and selected VBA records
- Selected VBA record is an area in Victoria that represents a large population, roosting or breeding site etc.

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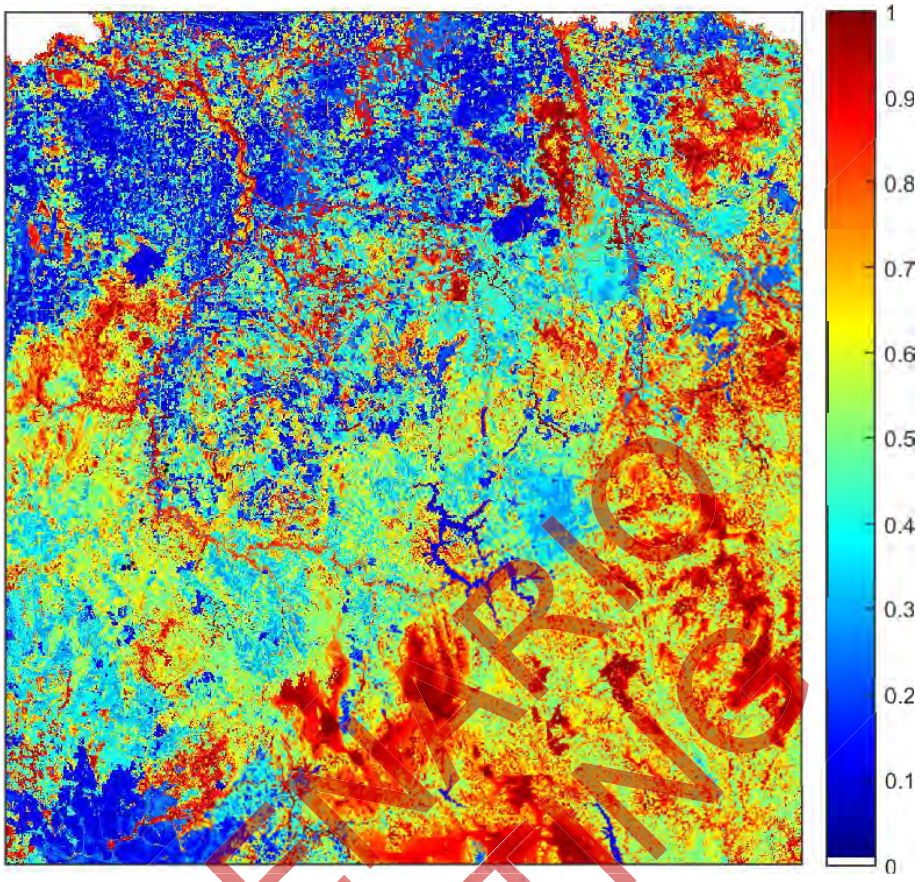
Appendix 3 – Images of mapped native vegetation

2. Strategic biodiversity values map



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