

Appendix H: Tabooba BioCondition Data

Broad title		AU1		AU1		AU2		AU2		AU2		AU2		AU3		AU3		AU4		AU4		AU5		AU5		AU6		AU6			
Attribute		472-473		474-475		470-471		683-684		685-686		734-735		687-688		756-757		680-681		747-748		736-737		751-752		745-746		754-755			
LOCATION	Site ID	472-473		474-475		470-471		683-684		685-686		734-735		687-688		756-757		680-681		747-748		736-737		751-752		745-746		754-755			
	Date	6/05/2022		6/05/2022		6/05/2022		17/03/2022		17/03/2022		6/05/2022		17/03/2022		7/05/2022		17/03/2022		7/05/2022		6/05/2022		7/05/2022		7/05/2022		7/05/2022			
	Observers	DF & LW		DF & LW		DF & LW		DF & LW		DF & LW		DF & LW		DF & LW		DF & LW		DF & LW		DF & LW		DF & LW		DF & LW		DF & LW		DF & LW			
	Location	Tabooba		Tabooba		Tabooba		Tabooba		Tabooba		Tabooba		Tabooba		Tabooba		Tabooba		Tabooba		Tabooba		Tabooba		Tabooba		Tabooba			
	Datum	MG94/GDA Zone 58		MG94/GDA Zone 59		MG94/GDA Zone 57		MG94/GDA Zone 56		MG94/GDA Zone 56		MG94/GDA Zone 60		MG94/GDA Zone 56		MG94/GDA Zone 66		MG94/GDA Zone 56		MG94/GDA Zone 63		MG94/GDA Zone 61		MG94/GDA Zone 64		MG94/GDA Zone 62		MG94/GDA Zone 65			
	Plot Origin Zone																														
	Plot Origin easting																														
	Plot Origin northing																														
	Plot Centre Zone																														
	Plot Centre easting																														
	Plot Centre northing																														
	Plot bearing		350		30		270		210		210		350		270		30		150		330		210		270		60		30		
	Plot alignment description																														
	Locality description																														
REGIONAL ECOSYSTEM & TREE HEIGHTS	Habitat description	Remnant <i>Eucalyptus crebra</i> , <i>E. tereticornis</i> and <i>Angophora subvelutina</i> open forest		Remnant <i>Eucalyptus crebra</i> and <i>E. tereticornis</i> open forest		Advanced regrowth <i>Eucalyptus crebra</i> and <i>E. tereticornis</i> subsp. <i>basaltica</i> open forest		Advanced regrowth open forest dominated by <i>Eucalyptus tereticornis</i> subsp. <i>basaltica</i> , <i>Eucalyptus crebra</i> and <i>Corymbia intermedia</i>		Advanced regrowth open forest with occasional emergent relictual trees. Dominant species include <i>Eucalyptus crebra</i> , <i>Eucalyptus tereticornis</i> , <i>Corymbia tessellaris</i> and <i>Corymbia intermedia</i>		Advanced regrowth open forest <i>Eucalyptus crebra</i> forest		Young regrowth open forest with occasional emergent relictual trees. Dominant species include <i>Eucalyptus crebra</i> , <i>Eucalyptus tereticornis</i> and <i>Corymbia tessellaris</i>		Young regrowth open forest of <i>Eucalyptus crebra</i> and <i>E. tereticornis</i>		Remnant open forest dominated by <i>Eucalyptus melliodora</i> , <i>Eucalyptus tereticornis</i> subsp. <i>basaltica</i> , <i>Eucalyptus eugenioides</i> , <i>Angophora subvelutina</i> and <i>Corymbia intermedia</i>		Remnant <i>Eucalyptus tereticornis</i> subsp. <i>basaltica</i> , <i>E. melliodora</i> and <i>E. eugenioides</i> open forest		Advanced regrowth <i>Eucalyptus eugenioides</i> , <i>E. tereticornis</i> subsp. <i>basaltica</i> and <i>E. eugenioides</i> open forest		Advanced regrowth open forest of <i>Eucalyptus tereticornis</i> subsp. <i>basaltica</i> and <i>E. eugenioides</i>		Cleared paddock (previously 12.8.16)		Cleared paddock (previously 12.8.16)			
	Regional Ecosystem	12.8.16		12.8.16		12.8.16		12.8.16		12.8.16		12.8.16		12.8.16		12.8.16		12.8.14		12.8.14		12.8.14		12.8.14		12.8.16		12.8.16			
	Tree canopy (EDL) height	15		18		10		10		16		8		10		15		8		18		15		12		10		0		0	
	Tree sub canopy height	8		10		5		5		8		3		4		5		3		10		5		6		5		0		0	
	Emergent height	0		0		0		0		0		16		0		0		0		0		0		0		0		20		0	
SITE PHOTOS	Photo north from plot centre	Labelled		Labelled		Labelled		Labelled		Labelled		Labelled		Labelled		Labelled		Labelled		Labelled		Labelled		Labelled		Labelled		Labelled		Labelled	
	Photo south from plot centre	Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes	
	Photo east from plot centre	Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes	
	Photo west from plot centre	Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes	
50x20m AREA	Coarse woody debris (m) (all logs >10cm diam; 0.5m long)	18		17		17.5		17.7		9.4		7.9		27.7		6.1		12.8		0.5		17.6		14.6		0		0		0	
100x50m AREA	List native species from EDL	<i>Eucalyptus crebra</i> <i>Eucalyptus tereticornis</i> <i>Angophora subvelutina</i>		<i>Eucalyptus crebra</i> <i>Eucalyptus tereticornis</i>		<i>Eucalyptus crebra</i> <i>Eucalyptus tereticornis</i> subsp. <i>basaltica</i>		<i>Eucalyptus tereticornis</i> subsp. <i>basaltica</i> <i>Eucalyptus crebra</i> <i>Corymbia intermedia</i>		<i>Eucalyptus crebra</i> <i>Eucalyptus tereticornis</i> <i>Corymbia tessellaris</i> <i>Corymbia intermedia</i>		<i>Eucalyptus crebra</i> <i>Corymbia tessellaris</i> <i>Eucalyptus tereticornis</i>		<i>Eucalyptus crebra</i> <i>Corymbia tessellaris</i> <i>Eucalyptus tereticornis</i>		<i>Eucalyptus crebra</i> <i>Eucalyptus tereticornis</i> <i>Corymbia tessellaris</i>		<i>Eucalyptus melliodora</i> <i>Eucalyptus tereticornis</i> subsp. <i>basaltica</i> <i>Eucalyptus eugenioides</i> <i>Angophora subvelutina</i> <i>Corymbia intermedia</i>		<i>Eucalyptus tereticornis</i> subsp. <i>basaltica</i> <i>Eucalyptus melliodora</i> <i>Eucalyptus eugenioides</i>		<i>Eucalyptus eugenioides</i> <i>Eucalyptus tereticornis</i> subsp. <i>basaltica</i> <i>Corymbia tessellaris</i> <i>Angophora subvelutina</i> <i>Corymbia tessellaris</i> <i>Eucalyptus crebra</i>		<i>Eucalyptus eugenioides</i> <i>Eucalyptus tereticornis</i> subsp. <i>basaltica</i> <i>Angophora subvelutina</i> <i>Corymbia tessellaris</i> <i>Eucalyptus crebra</i>		<i>Eucalyptus eugenioides</i> <i>Eucalyptus tereticornis</i> subsp. <i>basaltica</i> <i>Angophora subvelutina</i> <i>Corymbia tessellaris</i> <i>Eucalyptus crebra</i>		<i>Eucalyptus eugenioides</i> <i>Eucalyptus tereticornis</i> subsp. <i>basaltica</i> <i>Angophora subvelutina</i> <i>Corymbia tessellaris</i> <i>Eucalyptus crebra</i>			
	Total number of native tree spp from EDL only	3		2		2		3		4		3		3		3		3		5		3		5		5		0		0	
	List other native tree species not in EDL (tree = single stemmed and >2m)	<i>Lophostemon confertus</i> <i>Allocasuarina torulosa</i> <i>Melia azedarach</i>		<i>Corymbia tessellaris</i> <i>Brachychiton papulneus</i> <i>Xanthorrhoea glauca</i> <i>Allocasuarina torulosa</i>		<i>Xanthorrhoea glauca</i>		<i>Allocasuarina torulosa</i> <i>Eucalyptus melliodora</i>		<i>Xanthorrhoea glauca</i>		<i>Allocasuarina torulosa</i> <i>Xanthorrhoea glauca</i> <i>Eucalyptus tereticornis</i>		<i>Angophora subvelutina</i> <i>Corymbia intermedia</i>		<i>Eucalyptus melanophloia</i> <i>Angophora subvelutina</i>		<i>Allocasuarina torulosa</i> <i>Xanthorrhoea glauca</i> <i>Brachychiton papulneus</i>		<i>Brachychiton papulneus</i> <i>Allocasuarina torulosa</i> <i>Dodonaea viscosa</i> <i>Lophostemon confertus</i> <i>Corymbia intermedia</i> <i>Angophora subvelutina</i>		<i>Angophora subvelutina</i> <i>Allocasuarina torulosa</i> <i>Xanthorrhoea glauca</i>		<i>Melaleuca bracteata</i> <i>Eucalyptus tereticornis</i> (emergent)		<i>Eucalyptus tereticornis</i> (emergent)		<i>na</i>		<i>na</i>	
	Total number of non-EDL species	3		4		1		2		1		3		2		2		2		3		6		3		3		1		0	
	Total native tree spp richness (all tree species >2m + EDL) (Tree Richness)	6		6		3		5		5		6		5		5		5		8		9		8		8		0		0	
	Total native tree spp from EDL recruiting	3		2		2		3		2		3		2		3		3		5		2		5		5		0		0	
	Proportion of EDL Recruiting %	100		100		100		100		50		100		100		66.66666667		100		100		66.66666667		100		100		0		0	
	Eucalypt large tree DBH	42		42		42		42		42		42		42		42		42		44		44		44		44		42		42	
	Non-eucalypt large tree DBH	0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	
	Number of large eucalypt trees	5		7		4		6		6		6		6		3		1		11		3		5		2		0		0	
	Number of large non-eucalypt trees	0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	
	Total large trees	5																													

		AU1	AU1	AU2	AU2	AU2	AU2	AU3	AU3	AU4	AU4	AU5	AU5	AU6	AU5
Species title	Attribute	<i>Ageratina riparia</i> <i>Bidens pilosa</i> <i>Conyza bonariensis</i> <i>Crassocephalum crepidioides</i> <i>Crotalaria linearis</i> <i>Euphorbia hirta</i> <i>Lantana camara</i> <i>Macroptilium atropurpureum</i> <i>Malvastrum americanum</i> <i>Melinis repens</i> <i>Passiflora suberosa</i> <i>Passiflora subpeltata</i> <i>Solanum americanum</i> <i>Sonchus oleraceus</i> <i>Verbena bonariensis</i>	<i>Bidens pilosa</i> <i>Conyza bonariensis</i> <i>Crassocephalum crepidioides</i> <i>Crotalaria linearis</i> <i>Euphorbia hirta</i> <i>Gomphocarpus physocarpus</i> <i>Lantana camara</i> <i>Macroptilium atropurpureum</i> <i>Malvastrum americanum</i> <i>Melinis repens</i> <i>Senecio madagascariensis</i> <i>Solanum americanum</i> <i>Sporobolus fertilis</i> <i>Tridax procumbens</i> <i>Verbena bonariensis</i>	<i>Ambrosia artemisiifolia</i> <i>Bidens pilosa</i> <i>Crassocephalum crepidioides</i> <i>Crotalaria linearis</i> <i>Euphorbia hirta</i> <i>Lantana camara</i> <i>Macroptilium atropurpureum</i> <i>Melinis repens</i> <i>Senecio madagascariensis</i> <i>Solanum americanum</i> <i>Sporobolus fertilis</i> <i>Tridax procumbens</i> <i>Verbena bonariensis</i>	<i>Bidens pilosa</i> <i>Cirsium vulgare</i> <i>Gomphocarpus physocarpus</i> <i>Macroptilium lathyroides</i> <i>Sigesbeckia orientalis</i> <i>Verbena littoralis</i> <i>Digitaria didactyla</i> <i>Melinis repens</i> <i>Lantana camara</i>	<i>Bidens pilosa</i> <i>Cirsium vulgare</i> <i>Crotalaria lanceolata</i> <i>Gomphocarpus physocarpus</i> <i>Malvastrum americanum</i> <i>Physalis angulata</i> <i>Senecio madagascariensis</i> <i>Tridax procumbens</i> <i>Verbena littoralis</i> <i>Sporobolus fertilis</i> <i>Lantana camara</i>	<i>Dichanthium annulatum</i> <i>Lantana camara</i> <i>Macroptilium atropurpureum</i> <i>Melinis repens</i> <i>Senecio madagascariensis</i> <i>Sonchus oleraceus</i> <i>Verbena littoralis</i>	<i>Ambrosia artemisiifolia</i> <i>Bidens pilosa</i> <i>Cirsium vulgare</i> <i>Euphorbia hirta</i> <i>Senecio madagascariensis</i> <i>Sigesbeckia orientalis</i> <i>Neonotonia wightii</i> <i>Tridax procumbens</i> <i>Lantana camara</i>	<i>Dichanthium annulatum</i> <i>Euphorbia hirta</i> <i>Gomphocarpus physocarpus</i> <i>Cirsium vulgare</i> <i>Euphorbia hirta</i> <i>Senecio madagascariensis</i> <i>Melinis repens</i> <i>Neonotonia wightii</i> <i>Senecio madagascariensis</i> <i>Sida retusa</i> <i>Tagetes minuta</i> <i>Verbena bonariensis</i> <i>Verbena littoralis</i>	<i>Ambrosia artemisiifolia</i> <i>Bidens pilosa</i> <i>Erigeron bonariensis</i> <i>Passiflora suberosa</i> <i>Sigesbeckia orientalis</i> <i>Lantana camara</i> <i>Verbena littoralis</i>	<i>Ambrosia artemisiifolia</i> <i>Aster subulatus</i> <i>Celtis sinensis</i> <i>Cirsium vulgare</i> <i>Erigeron bonariensis</i> <i>Gomphocarpus physocarpus</i> <i>Macrotium atrypurpureum</i> <i>Passiflora suberosa</i> <i>Sigesbeckia orientalis</i> <i>Macrotium atrypurpureum</i> <i>Senecio madagascariensis</i> <i>Sida retusa</i> <i>Tagetes minuta</i> <i>Verbena bonariensis</i> <i>Verbena littoralis</i>	<i>Bidens pilosa</i> <i>Cirsium vulgare</i> <i>Crotalaria linifolia</i> <i>Emilia sonchifolia</i> <i>Euphorbia hirta</i> <i>Gomphocarpus physocarpus</i> <i>Macrotium atrypurpureum</i> <i>Malvastrum americanum</i> <i>Melinis repens</i> <i>Senecio madagascariensis</i> <i>Sonchus oleraceus</i> <i>Tridax procumbens</i> <i>Verbena bonariensis</i> <i>Verbena littoralis</i>	<i>Cirsium vulgare</i> <i>Crotalaria linifolia</i> <i>Emilia sonchifolia</i> <i>Euphorbia hirta</i> <i>Gomphocarpus physocarpus</i> <i>Macrotium atrypurpureum</i> <i>Malvastrum americanum</i> <i>Melinis repens</i> <i>Senecio madagascariensis</i> <i>Sida retusa</i> <i>Tagetes minuta</i> <i>Verbena bonariensis</i> <i>Verbena littoralis</i>	<i>Aster subulatus</i> <i>Dichanthium annulatum</i> <i>Euphorbia hirta</i> <i>Gomphocarpus physocarpus</i> <i>Polypodium distichum</i> <i>Senecio madagascariensis</i> <i>Sida retusa</i> <i>Tagetes minuta</i> <i>Verbena bonariensis</i> <i>Verbena littoralis</i>	<i>Alternanthera nodiflora</i> <i>Ambrosia artemisiifolia</i> <i>Aster subulatus</i> <i>Chloris gayana</i> <i>Cyclophyllum leptophyllum</i> <i>Dichanthium annulatum</i> <i>Euphorbia hirta</i> <i>Gomphocarpus physocarpus</i> <i>Macroptilium atropurpureum</i> <i>Neonotonia wightii</i> <i>Senecio madagascariensis</i> <i>Setaria sphacelata</i> <i>Sida retusa</i> <i>Verbena bonariensis</i> <i>Verbena littoralis</i>
	Non native % cover	40	15	5	20	35	15	30	10	10	35	20	20	20	80
Five 1x1m plots	Plot 1 Native perenial ('decreaser') grass cover %	20	30	5	35	80	7	70	5	30	5	30	0	0	0
	Plot 1 Native other grass (if relevant) %	5	40	15	0	0	54	0	30	0	57	57	10	25	0
	Plot 1 Native forbs and other species %	4		6	15	5	3	20	5	0	10	10	0	0	0
	Plot 1 Native shrubs <1m %				0	0	17	0		60		52	0	0	0
	Plot 1 Non-native grass %			45	0	5	9	0		0		40	80	75	0
	Plot 1 Non-native forbs and shrubs %	55	20	9	35	0	6	10		10	33	2	0	0	0
	Plot 1 Litter %	6	10	20	15	0	4	0	10	0		1	0	0	0
	Plot 1 Rock %	10			0	5		0		0		2	0	0	0
	Plot 1 Bare ground %				0	5		0		50		1	10	0	0
	Plot 1 Cryptograms %				0	0		0		0		0	0	0	0
	Plot 1 Total %	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Plot 2 Native perenial ('decreaser') grass cover %	35	36	20	85	80				45	10	44	5	0	0
	Plot 2 Native other grass (if relevant) %	6		10	9	0	20	0		0		10	10	0	0
	Plot 2 Native forbs and other species %	3	3	8	25	5	3	10		15		3	10	0	0
	Plot 2 Native shrubs <1m %				0	0		0		0	5		0	0	0
	Plot 2 Non-native grass %			60	0	0	60	5	10	0		20	65	95	0
	Plot 2 Non-native forbs and shrubs %	50	46	12	50	5	12	5		30	80	11	5	0	0
	Plot 2 Litter %	6	6	10	0	0		5		10	5		20	0	0
	Plot 2 Rock %				0	0		0		0		7	0	0	0
	Plot 2 Bare ground %				5	5	5	0	80	0		5	5	5	0
	Plot 2 Cryptograms %				0	0		0		0		0	0	0	0
	Plot 2 Total %	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Plot 3 Native perenial ('decreaser') grass cover %	55	55	11	75	90	7	90		70	35	45	15	5	0
	Plot 3 Native other grass (if relevant) %		30	19	0	0	40	0	25	0		15	70	5	0
	Plot 3 Native forbs and other species %	1	5	30	15	5		5	5	15	5	5	5	0	0
	Plot 3 Native shrubs <1m %				0	0		44		0			0	0	0
	Plot 3 Non-native grass %	4		8	0	0	6	0		0		7	85	85	0
	Plot 3 Non-native forbs and shrubs %	40		7	5	5	3	0		60		25	0	0	0
	Plot 3 Litter %		10	18	5	0		4	10	30		8	0	0	0
	Plot 3 Rock %			7	0	0		5		0		0	0	0	0
	Plot 3 Bare ground %				0	0		5		0		5	0	5	0
	Plot 3 Cryptograms %				0	0		0	1	0		9	0	0	0
	Plot 3 Total %	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Plot 4 Native perenial ('decreaser') grass cover %		15	85	54	75			5	95	15	56	0	0	0
	Plot 4 Native other grass (if relevant) %	40	70	66	0	0	35	0	50	0		5	20	5	0
	Plot 4 Native forbs and other species %			5	0	0	2	10	5		10	3	0	0	0
	Plot 4 Native shrubs <1m %				0	0	30	0		0		10	0	0	0
	Plot 4 Non-native grass %			5	0	0	3	0		30		5	70	95	0
	Plot 4 Non-native forbs and shrubs %	55	5	7	5	40	30	10		0	30	15	10	0	0
	Plot 4 Litter %	5	5	6	5	10		5		5	30	4	0	0	0
	Plot 4 Rock %				0	0		0		0		7	0	0	0
	Plot 4 Bare ground %		5	5	0	0		0		0	15		15	5	0
	Plot 4 Cryptograms %			2	0	0		0		0		0	0	0	0
	Plot 4 Total %	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Plot 5 Native perenial ('decreaser') grass cover %		60	30	50	50	9	70	10	40		7	20	30	0
	Plot 5 Native other grass (if relevant) %	20	25	27	0	0		0	50	0		60	50	0	0
	Plot 5 Native forbs and other species %	25	10	4	10	10	8	10		10		15	10	0	0
	Plot 5 Native shrubs <1m %			40	0	0		0		0		80	5	0	0
	Plot 5 Non-native grass %			26	0	0	63	0	30	0		7	95	0	0
	Plot 5 Non-native forbs and shrubs %	45		50	40	12	5	5		30	60	5	0	5	0
	Plot 5 Litter %	10	5	3	10	0	2	10	5	20		1	0	0	0
	Plot 5 Rock %				0	0		5		0		0	0	0	0
	Plot 5 Bare ground %				0	0	6	0	4	0		0	5	0	0
	Plot 5 Cryptograms %				0	0		0	1	0		0	0	0	0
	Plot 5 Total %	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Mean of all Plots Native perenial ('decreaser') grass cover %	22	27.2	3.2	48	61		68	2	47	12	29	16	2	0
	Mean of all Plots Native other grass (if relevant) %	10.2	29.8	22	0	0	29.8	0	21	0	11.4	5	31.4	6	0
	Mean of all Plots Native forbs and other species %	14	14	10.6	12	3	16	9	7	5	2.6	3	5	0	0
	Mean of all Plots Native shrubs <1m %	0	0	0	0	0	18.2	0		12	1	12.4	0	0	0
	Mean of all Plots Non-native grass %	0.8	0	23.6	0	1	15.6	1	20	0	0	14.4	1	60	70
	Mean of all Plots Non-native forbs and shrubs %	40	14.2	7	19	10	10.2	5		8	33.6	6.8	19.6	3	2
	Mean of all Plots Litter %	3.4	6.2	10.8	5	2	0.8	1	3.8	5	13	1	6	0	0
	Mean of all Plots Rock %	2	0	1.4	0	1	0	1		0		4.8	0	0	0
	Mean of all Plots Bare ground %	0	1	1	1	2	1		29	1	4	2.2	1	6	3
	Mean of all Plots Cryptograms %	0	0	0.4	0	0	0		0.2	0		1.8	0	0	0
100m Transect	Canopy Total (m)	44.0	83	23.5	43.5	3	35	28	35	35	27	44	40.5	0	0
	Sub canopy total (m)	17.5	1	6	7	3	11.5	7	7	14	0	5	10.5	0	0
	Emergent canopy total (m)	0	0	0	0	4	0	0	0	0	0	0	0	6	0
	Native Shrub total (m)	1	0	1.5	4.5	0	19	0	0	3	1	2	1	0	0
	Exotic Shrub total (m)	32	2.5	1	18	5	8	0.5	3.5	3	38	3.5	0.5	0	0

Appendix I: Greenridge BioCondition Data

APPENDIX 2: BIOCONDITION SURVEY DATA

Attribute		AU1 - RE 12.1.1 Remnant	AU1 - RE 12.1.1 Remnant	AU1 - RE 12.1.1 Remnant	AU2 - RE 12.1.1 Regrowth	AU2 - RE 12.1.1 Regrowth	AU3 - RE 12.1.1 Non-remnant	AU3 - RE 12.1.1 Non-remnant	AU4 - RE 12.3.20 Remnant	AU4 - RE 12.3.20 Remnant	AU5 - RE 12.3.20 Regrowth	AU5 - RE 12.3.20 Regrowth	AU6 - RE 12.3.20 Non-remnant	AU6 - RE 12.3.20 Non-remnant
LOCATION	Site ID	836-837	840-841	962-963	844a-844b	956-957	958-959	970-971	931-932	964-965	966-967	974-975	923-924	960-961
	Date	30/06/2022	1/07/2022	27/07/2022	1/07/2022	14/07/2022	14/07/2022	21/09/2022	14/07/2022	27/07/2022	3/08/2022	21/09/2022	14/07/2022	14/07/2022
	Observers	DF/LW/NW	DF/LW	PL/EG	DF/LW	DF/EG	DF/EG	NB/EG	DF/EG	PL/EG	EG/LB	NB/EG	DF/EG	DF/EG
	Location	Coomera	Coomera	Coomera	Coomera	Coomera	Coomera	Coomera	Coomera	Coomera	Coomera	Coomera	Coomera	Coomera
REGIONAL ECOSYSTEM & TREE HEIGHTS	Habitat description	Remnant 12.1.1	Remnant 12.1.1	Remnant 12.1.1 Casuarina glauca forest	Regrowth 12.1.1	Regrowth 12.1.1	Non-remnant 12.1.1	Non-remnant 12.1.1 Grassy paddock	Remnant 12.3.20	Remnant 12.1.1	Remnant 12.3.20	Regrowth 12.3.20 Dense regrowth of Melaluca and Casuarina	Regrowth 12.3.20	Non-remnant 12.3.20 Cleared, overgrown pasture
	Regional Ecosystem	12.1.1	12.1.1	12.1.1	12.1.1	12.1.1	12.1.1	12.1.1	12.3.20	12.1.1	12.3.20	12.3.20	12.3.20	12.3.20
	Tree canopy (EDL) height	15	15	15	15	10	10	6	15	13	25	11	6	8
	Tree sub canopy height	7	4	5	5	3	2	0	5	6	15	3	0	2
	Emergent height													
SITE PHOTOS	Photo north from plot centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Photo south from plot centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Photo east from plot centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Photo west from plot centre	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
50x20m AREA	Coarse woody debris (m) (all logs >10cm diam; 0.5m long)	17	4.7	21.9	0.4	3.5	0	0	24	31.5	16.5	0	0	0
	Coarse woody debris (m/ha)	170	47	219	6	35	0	0	264	315	165	0	0	0
100x50m AREA	List native species from EDL	Casuarina glauca Melaleuca quinquenervia Eucalyptus tereticornis	Casuarina glauca Eucalyptus tereticornis	Casuarina glauca	Casuarina glauca	Casuarina glauca	Casuarina glauca	Casuarina glauca	Casuarina glauca Melaleuca quinquenervia	Melaleuca quinquenervia	Casuarina glauca Eucalyptus tereticornis	Melaleuca quinquenervia Casuarina glauca	Casuarina glauca Eucalyptus tereticornis	Casuarina glauca
	Total number of native tree spp from EDL only	3	2	1	1	1	5	1	2	1	2	2	2	1
	List other native tree species not in EDL (tree = single stemmed and >2m)	Cupaniopsis anacardioides	Eucalyptus siderophloia Melaleuca salicina		Melaleuca salicina Myrsine variabilis				Acacia disparima	Casuarina glauca	Melaleuca quinquenervia Corymbia intermedia Lophostemon confertus Acacia disparima Melaleuca salicina	Acacia concurrens Melaleuca salicina Glochidion sumanatum Glochidion ferdinandi Melaleuca sp. Lophostemon suaveolens	Melaleuca quinquenervia Glochidion ferdinandi	
	Lantana cover estimate (%)	0		3		0	0		0	0	10	6	1	0
	Total number of non-EDL species	1	2	0	0	2	0	0	1	1	5	1	3	0
	Total native tree spp richness (all tree species >2m + EDL) (Tree Richness)	4	4	1	3	1	1	1	3	2	7	8	5	1
	Total native tree spp from EDL recruiting	2	1	1	1	1	1	1	1	1	2	2	2	1
	Proportion of EDL Recruiting %	67	50	100	100	100	100	100	50	50	100	100	100	100
	Eucalypt large tree DBH	na	na	na	na	na	na	na	na	na	na	na	na	na
	Non-eucalypt large tree DBH	29	29	29	29	29	29	29	30	30	30	30	30	30
	Number of large eucalypt trees	na	na	na	na	na	na	na	na	na	na	na	na	na
	Number of large non-eucalypt trees	8	1	27	8	10	0	0	62	65	4	5	0	0
	50x10m AREA	List native shrub species	Casuarina glauca Eucalyptus tereticornis Melaleuca quinquenervia Ficus rubiginosa Cupaniopsis anacardioides Acacia concurrens Enchlyena tomentosa	Casuarina glauca Eucalyptus tereticornis Melaleuca salicina Macura cochinchinensis Eucalyptus siderophloia		Macura cochinchinensis Melaleuca salicina Myrsine variabilis			Ludwigia octovalvis	Casuarina glauca		Casuarina glauca Melaleuca quinquenervia Alphitonia excelsa Acacia disparima	Casuarina glauca Alphitonia excelsa Glochidion sumanatum Melaleuca quinquenervia	Casuarina glauca Macular cochinchinensis Casuarina glauca Eucalyptus tereticornis Alphitonia excelsa
	Total number of native shrub species (Shrub Richness)	7	5	2	4	0	1	0	1	2	4	4	5	2
	List native grass species	Sporobolus virginicus Paspalum distichum Zostera macrantha Eriodictyon	Sporobolus virginicus Paspalum scrobiculatum Enteropogon acicularis Paspalum distans Paspalum distichum		Sporobolus virginicus Paspalum scrobiculatum Paspalum distans Enteropogon acicularis		Imperata cylindrica Sporobolus virginicus Imperata cylindrica Phragmites australis	Sporobolus virginicus Imperata cylindrica Phragmites australis	Phragmites australis Sporobolus virginicus (infertile) Hemarthra uncinata (infertile)	Ottocloa gracilima Imperata cylindrica Unknown 1 Unknown 2	Sporobolus virginicus Imperata cylindrica Grass 1 Panicum simile Grass 2	Imperata cylindrica Ottocloa gracilima Capillipedium spicigerum	Imperata cylindrica	
	Total number of native grass species (Grass Richness)	4	5	4	4	2	1	3	3	1	4	5	3	1
	List native forbs and other	Fimbristylis ferruginea Alternanthera nana Notothix subaureus Amyema cambagei Parsonsia straminea Cyperus polystachyos Juncus kraussii Commelina diffusa	Fimbristylis ferruginea Amyema cambagei Oxalis thompsoniae Dianella brevipedunculata Parsonsia straminea Cyperus polystachyos Juncus kraussii Commelina diffusa		Bacopa monnieri Fimbristylis ferruginea Notothix subaureus Amyema cambagei Dianella brevipedunculata Alternanthera nana Rumex brownii Cyperaceae sp1 Eriodictyon dulce Parsonsia straminea Gahnia clarkii Rumex brownii Baumea articulata Cyperaceae sp2 Typha orientalis Commelina sp Neochandra cunninghamii Hydrocotyle acutifolia	Persicaria subsessilis Ranunculus inundatus Hydrocotyle verticillata Alternanthera denticulata Juncus usitatus Rumex brownii Cyperaceae sp1 Cyperus polystachyos Cyperaceae sp2 Bacopa monnieri	Reed 1 Reed 2 Ranunculus inundatus Alternanthera denticulata Persicaria attenuata Amaranthus sp.	Triglochin striatum Parsonsia straminea Alternanthera denticulata Centella asiatica Dianella sp.	Lomandra hystrix Commelina diffusa Parsonsia straminea Pteridium esculentum Dianella sp.	Reed 1 Forb 1 Forb 2 Parsonsia straminea Convolvulus sp viola sp Hydrocotyle acutifolia Forb 3 Lobelia purpurascens Sedge 1 Reed 2 Dianella longifolia	Parsonsia straminea Centella asiatica Dianella longifolia Geitonoplesium cymosum Polymeria calycina Stephania japonica Cyperus polystachyos	Convolvulus sp viola sp Parsonsia straminea	Cyperus polystachyos Polymeria Ranunculus Centella asiatica Dianella brevipedunculata	
	Total number of native forbs and other species (Forbs Richness)	8	6	9	7	16	9	5	4	6	5	18	7	9
	Non native species	Solanum seafortianum	Passiflora pallida Solanum americanum Lantana camara Asparagus aethiopicus		Lantana camara Solanum seafortianum Asparagus aethiopicus Emilia sonchifolia Sonchus oleraceus Passiflora pallida Baccharis halimifolia Ottocloa gracilima	Cuphea carthagenensis Solanum nigrum Tomato Biden pilosa Solanum seafortianum Eclipta prostrata Setaria	Setaria sphacelata Cuphea carthagenensis Chloris gayana Makua paviflora Baccharis halimifolia Verbena sp Cuphea carthagenensis	Setaria sphacelata Chloris gayana Rumex crispus weed (forb) Gomphocarpus physocarpus Ambrosia artemisiifolia Solanum nigrum Makua paviflora Baccharis halimifolia Verbena sp Cuphea carthagenensis	Lantana camara Passiflora suberosa	Lantana camara Passiflora suberosa Ageratum houstanianum Schinus terebinthifolius weed forb Baccharis halimifolia Setaria sphacelata	Solanum seafortianum Schinus terebinthifolius Ageratum houstanianum Gomphocarpus physocarpus Aster subulatus Lantana camara Bidens pilosa Emelina sonchifolia Cuphea carthagenensis Senna pendula var. glabrata Solanum torvum Sida rhombifolia Paspalum mandiocanum Murraya paniculata Passiflora suberosa Passiflora foetida Verbena bonariensis	Setaria sphacelata Senecio madagascariensis Verbena sp Gomphocarpus physocarpus Sida sp weed forb Chloris gayana	Setaria sphacelata Baccharis halimifolia Senecio madagascariensis Chloris gayana Lantana camara Cynodon dactylon Billy goat Cuphea Aster Solanum nigrum Solanum mauritanium Conyza bonariensis Spear thistle Solanum seafortianum Solanum sp	
	Non native % cover	0	0	26	2	1	66	75	1	0	5	5	10	96
Five 1x1m plots	Plot 1 Native perennial ('decreaser') grass cover %	95	85	2	85	5	0	30	16	60	88	0	80	95
	Plot 1 Native other grass (if relevant) %	0	0	0	0	0	0	0	0	0	0	0	0	0
	Plot 1 Native forbs and other species %	0	0	10	0	0	2	0	80	0	0	1	0	0
	Plot 1 Native shrubs <1m %	0	0	0	0	0	0	0	0	0	0	0	0	5
	Plot 1 Non-native grass %	0	0	0	0	98	0	70	0	0	0	0	100	0
	Plot 1 Non-native forbs and shrubs %	0	0	15	10	5	0	0	0	0	0	1	0	0
	Plot 1 Litter %	5	15	68	5	90	0	0	10	30	10	98	3	0
	Plot 1 Rock %	0	0	0	0	0	0	0	0	0	0	0	0	0
	Plot 1 Bare ground %	0	0	5	0	0	0	0	0	10	0	0	0	0
	Plot 1 Cryptograms %	0	0	0	0	0	0	0	0	0	0	0	0	0
	Plot 1 Total %	100	100	100	100	100	100	100	100	100	100	100	100	100
	Plot 2 Native perennial ('decreaser') grass cover %	90	95	5	10	25	0	12	50	75	10	85	0	0
	Plot 2 Native other grass (if relevant) %	0	0	0	0	0	0	0	0	0	0	0	0	0
	Plot 2 Native forbs and other species %	0	0	5	0	0	4	0	83	0	0	5	0	0
	Plot 2 Native shrubs <1m %	0	0	0	0	0	0	0	0	0	0	0	0	0
	Plot 2 Non-native grass %	0	0	0	5	0	0	100	0	0	0	0	40	70
	Plot 2 Non-native forbs and shrubs %	0	0	5	80	0	66	0	0	0	0	0	1	10
	Plot 2 Litter %	10	5	80	10	70	30	5	50	20	80	10	59	20
	Plot 2 Rock %	0	0	0	0	0	0	0	0	0	0	0	0	0
Plot 2 Bare ground %	0	0	5	0	0	0	0	0	5	10	0	0	0	
Plot 2 Cryptograms %	0	0	0	0	0	0	0	0	0	0	0	0	0	

Broad title	Attribute	AU1 - RE 12.1.1 Remnant	AU1 - RE 12.1.1 Remnant	AU1 - RE 12.1.1 Remnant	AU2 - RE 12.1.1 Regrowth	AU2 - RE 12.1.1 Regrowth	AU3 - RE 12.1.1 Non-remnant	AU3 - RE 12.1.1 Non-remnant	AU4 - RE 12.3.20 Remnant	AU4 - RE 12.3.20 Remnant	AU4 - RE 12.3.20 Remnant	AU5 - RE 12.3.20 Regrowth	AU5 - RE 12.3.20 Regrowth	AU6 - RE 12.3.20 Non-remnant	AU6 - RE 12.3.20 Non-remnant
LOCATION	Site ID	836-837	840-841	962-963	844a-844b	956-957	958-959	970-971	931-932	964-965	966-967	974-975	923-924	972-973	960-961
	Plot 2 Total %	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Plot 3 Native perennial ("decreaser") grass cover %	99	88	5	34	5	0	0	0	30	40	26	20	0	0
	Plot 3 Native other grass (if relevant) %	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Plot 3 Native forbs and other species %	0	0	5	0	0	0	0	15	0	2	0	35	0	0
	Plot 3 Native shrubs <1m %	1	0	0	0	0	5	0	0	0	5	10	0	0	0
	Plot 3 Non-native grass %	0	0	0	0	0	16	10	0	0	0	0	33	100	0
	Plot 3 Non-native forbs and shrubs %	0	0	75	0	0	0	0	0	0	0	1	0	0	20
	Plot 3 Litter %	9	20	15	35	95	85	90	89	70	35	65	12	0	80
	Plot 3 Rock %	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Plot 3 Bare ground %	0	0	35	0	0	0	0	0	0	18	0	0	0	0
	Plot 3 Cryptograms %	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Plot 3 Total %	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Plot 4 Native perennial ("decreaser") grass cover %	60	60	3	30	50	0	0	5	40	0	0	0	0	0
	Plot 4 Native other grass (if relevant) %	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Plot 4 Native forbs and other species %	0	0	0	0	0	20	0	0	65	0	0	3	0	5
	Plot 4 Native shrubs <1m %	0	0	0	0	0	0	0	5	0	5	0	0	0	0
	Plot 4 Non-native grass %	0	0	0	0	80	80	0	0	0	0	0	92	90	90
	Plot 4 Non-native forbs and shrubs %	0	0	20	20	0	0	0	0	0	0	5	0	5	5
	Plot 4 Litter %	40	62	30	50	0	20	95	30	55	97	0	10	0	0
	Plot 4 Rock %	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Plot 4 Bare ground %	0	15	20	0	0	0	0	0	0	3	0	0	0	0
	Plot 4 Cryptograms %	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Plot 4 Total %	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Plot 5 Native perennial ("decreaser") grass cover %	45	90	40	15	5	0	1	59	10	66	10	0	0	0
	Plot 5 Native other grass (if relevant) %	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Plot 5 Native forbs and other species %	0	0	0	0	0	0	0	1	80	2	0	0	0	0
	Plot 5 Native shrubs <1m %	0	0	0	0	0	0	0	0	2	1	0	0	0	0
	Plot 5 Non-native grass %	0	0	0	0	40	20	0	0	0	0	1	50	65	100
	Plot 5 Non-native forbs and shrubs %	0	0	0	0	0	10	0	0	0	0	1	3	0	0
	Plot 5 Litter %	55	10	60	40	95	64	69	40	10	30	86	47	35	0
	Plot 5 Rock %	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Plot 5 Bare ground %	0	0	45	0	0	0	0	0	0	1	0	0	0	0
	Plot 5 Cryptograms %	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Plot 5 Total %	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Mean of all Plots Native perennial ("decreaser") grass cover %	76	82	11	34	18	0	6.2	16.2	31	61.8	9.2	37	0	19
	Mean of all Plots Native other grass (if relevant) %	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mean of all Plots Native forbs and other species %	0	0	4	0	0	5.2	0	35.8	29	0.8	0.2	9.6	0	1
	Mean of all Plots Native shrubs <1m %	0.2	0	0	0	0	1	0	1	0	2.4	2.2	0	0	1
	Mean of all Plots Non-native grass %	0	0	0	0	1	45.6	56	0	0	0.2	36	79	52	52
	Mean of all Plots Non-native forbs and shrubs %	0	0	23	22	1	13.2	2	0	0	0.4	3	0.2	7	7
	Mean of all Plots Litter %	23.8	18	57	24	80	35	35.8	47	38	85.2	14.4	20.8	20	20
	Mean of all Plots Rock %	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100m Transect	Canopy Total (m)	79.5	99.5	82.4	77.5	82.5	0	0	99.5	73.6	83	57	44.5	0	12.5
	Sub canopy total (m)	35	3	11.6	22	0	0	0	15	8	34	22	35	0	0
	Emergent canopy total (m)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Native Shrub total (m)	4	1	11.9	2.5	0	0	0	0.5	7	11	5.5	2	0	1
	Exotic Shrub total (m)	0	0	9.8	0	0	0	0	0	3	0	27	0	0	14
	Swamp oak canopy cover (m)		99.5	82.4	77.5	82.5	0	0	84.5	24	45	24.5	35.5	0	12.5
	Swamp oak canopy cover (% of canopy)	0	100	100	100	100	0	0	84.9	32.6	54.2	43.0	79.8	0	100
	Koala tree species canopy cover (m)		8.5	0	0	0	0	0	33	49.6	50	50.5	12.5	0	0
	Koala tree species canopy cover (% of canopy)	0	8.5	0	0	0	0	0	33.2	67.4	60.2	88.6	28.1	0	0