


Vegetation Mapping Records - Great Keppel Island February 2011

SITE NUMBER	16												
LEVEL	2												
DETAIL SP. LIST	Y												
REGIONAL ECOSYSTEM	8.2.7e												
DATE	21/09/2010												
RECORDER	David Francis												
LOCALITY	Great Keppel Island												
SITE DESCRIPTION	<i>Corymbia clarksoniana</i> and <i>Melaleuca dealbata</i> open forest												
GENERAL NOTES													
COMMUNITY AREA (ha)	5-20		COMMUNITY WIDTH (m)	Not linear									
MAPPED (Current RE)	8.2.7e		REFERENCE SITE										
LANDFORM													
Situation	R	Element	Eros pattern	LP	Pattern	BEA							
SLOPE													
Type	VG	Slope (%)	<5%		Aspect (°)	280							
SOILS													
Source	S	Reliability	L	Code	A	Add data	-	ISB/MU	-	Colour	B	Texture	F
GEOLOGY													
Source	0		Reliability	L		Code	F		Map Unit	Qhcb			
SPECHT STRUCTURE CODE							Open Forest						
GROUND (%)													
Litter		Rock		Bare ground		Cryptophyte		Vegetation					
RAINFOREST													
Struct. Complexity	-		Leaf Size	-		Leaf fall	-		Floor Comp	-		In. Gr Forms	-
DISTURBANCE													
Storm damage (Proportion/Age)	1/2		Road Works (Proportion/Age)	0									
Fire (Proportion/Age/Height)	0		Salinity	0									
Logging (#)	-		Ringbarking /Thinning (#)	-									
Grazing	N		Feral Digging	N									
Weeds (% Cover)	0		Remnant	Y									
Erosion (Type/Severity)	0												


SITE NUMBER	16				continued
STRUCTURAL SUMMARY					
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species	
Emergent	-	-	-	-	
Tree 1	8-15	13	51	<i>Corymbia clarksoniana</i> <i>Leptospermum neglectum</i> <i>Melaleuca dealbata</i>	
Tree 2	3-6	5	51	<i>Allocasuarina littoralis</i> <i>Banksia integrifolia</i> <i>Dodonaea viscosa</i>	

Tree 3				-
Shrub 1	1-2	2		<i>Dodonaea viscosa</i> <i>Lantana camara</i> *
Shrub 2				-
Ground/ vines/ epiphytes/ mistletoes				<i>Abrus precatorius</i> <i>Dianella caerulea</i> <i>Eriachne pallescens</i> subsp. <i>pallescens</i> <i>Cyperus stradbrogensis</i> <i>Imperata cylindrica</i> <i>Lomandra longifolia</i> <i>Oplismenus hirtellus</i> <i>Passiflora suberosa</i> *


BASAL AREA & STEM COUNTS														
Species	Basal area for plot (50X10m)					Volume/ha		Stem count for plot (50X10m)						
	E	T1	T2	T3	S1	T1	T2	E	T1	T2	T3	S1	S2	
<i>Acacia disparrima</i>													1	
<i>Allocasuarina littoralis</i>			1							19		1		
<i>Alphitonia excelsa</i>			4							4		11		
<i>Banksia integrifolia</i>			1						2	3		2		
<i>Breynia oblongifolia</i>														3
<i>Corymbia clarksoniana</i>														
<i>Dodonaea viscosa</i>			1							8		27	2	
<i>Lantana camara</i>												2	3	
<i>Leptospermum neglectum</i>		1												
<i>Melaleuca dealbata</i>														
<i>Melaleuca quinquenervia</i>									2					
<i>Opuntia stricta</i>												1		
<i>Planchonia careya</i>														1

CANOPY COVER DATA (100m TRANSECT)			
Canopy Start (m)	Canopy finish (m)	Species	Strata
0	2.5	<i>Dodonaea viscosa</i>	T2
1	6.5	<i>Allocasuarina littoralis</i>	T2
2	20.5	<i>Corymbia clarksoniana</i>	T1
6	6.5	<i>Dodonaea viscosa</i>	T2
8	12	<i>Allocasuarina littoralis</i>	T2
13.5	20.5	<i>Dodonaea viscosa</i>	T2
26	28	<i>Dodonaea viscosa</i>	T2
28.5	32	<i>Alphitonia excelsa</i>	T2
32.5	54.5	<i>Allocasuarina littoralis</i>	T2
34	37	<i>Dodonaea viscosa</i>	T2
36	41.5	<i>Melaleuca quinquenervia</i>	T1
40.5	43	<i>Allocasuarina littoralis</i>	T2
42.5	51	<i>Banksia integrifolia</i>	T1
52.5	58	<i>Acacia disparrima</i>	T1
63	67	<i>Planchonia careya</i>	T2
89	77	<i>Melaleuca dealbata</i>	T1
89	72.5	<i>Banksia integrifolia</i>	T2
77	84	<i>Allocasuarina littoralis</i>	T2
95.5	98.5	<i>Allocasuarina littoralis</i>	T2

REFERENCE SITE FOR 8.11.10

SITE NUMBER	52													
LEVEL	2													
DETAIL SP. LIST	A													
REGIONAL ECOSYSTEM	8.11.10													
DATE	14/2/11													
RECORDER	David Francis & Dan Potter													
LOCALITY	Great Keppel Island													
														
SITE DESCRIPTION	<i>Lophostemon confertus</i> low closed forest													
GENERAL NOTES														
COMMUNITY AREA (ha)	>50ha				COMMUNITY WIDTH (m)	Not linear								
MAPPED (Current RE)	8.11.10/8.12.14 x 2c				REFERENCE SITE	Y								
LANDFORM														
Situation	F	Element	FOO		Eros pattern	UL		Pattern	HIL					
SLOPE														
Type	VG		Slope (%)	1-3%		Aspect (°)	130							
SOILS														
Source	S	Reliability	L	Code	H	Add data	-	ISB/MU	-	Colour	F	Texture	B	
GEOLOGY														
Source	O		Reliability	L		Code	O		Map Unit	Ccs				
SPECHT STRUCTURE CODE														
Low Closed Forest														
GROUND (%)														
Litter	30		Rock	-		Bare ground	0		Cryptophyte	0		Vegetation	70	
RAINFOREST														
Struct. Complexity	-		Leaf Size	-		Leaf fall	-		Floor Comp	-		In. Gr Forms	-	
DISTURBANCE														
Storm damage (Proportion/Age)	0				Road Works (Proportion/Age)	N								
Fire (Proportion/Age/Height)	0				Salinity	0								
Logging (#)	0				Ringbarking /Thinning (#)	0								
Grazing	N				Feral Digging	N								
Weeds (% Cover)	0				Remnant									
Erosion (Type/Severity)	0													

SITE NUMBER	52				continued				
STRUCTURAL SUMMARY									
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species					
Emergent	-	-	-	-					
Tree 1	3-6	5	90.5	<i>Lophostemon confertus</i> (D) <i>Lophostemon suaveolens</i> (A) <i>Melaleuca nervosa</i> (S)					
Tree 2	1-2	1.5	-	<i>Diospyros geminata</i> <i>Glochidion lobocarpum</i> <i>Scolopia braunii</i>					
Tree 3									
Shrub 1									
Shrub 2									
Ground/ vines/ epiphytes/ mistletoes	0.5-1	0.5	-	<i>Digitaria ramularis</i> <i>Enteropogon unispiceus</i> <i>Gahnia aspera</i> <i>Lepidosperma laterale</i>					

SITE NUMBER	55												
LEVEL	2												
DETAIL SP. LIST	A												
REGIONAL ECOSYSTEM													
DATE	15/2/11												
RECORDER	David Francis & Dan Potter												
LOCALITY	Great Keppel Island												
SITE DESCRIPTION	<i>Acacia julifera</i> regrowth												
GENERAL NOTES													
COMMUNITY AREA (ha)	>50ha		COMMUNITY WIDTH (m)	Not linear									
MAPPED (Current RE)	8.2.8a		REFERENCE SITE	N									
LANDFORM													
Situation	T	Element	FOO	Eros pattern	UH	Pattern	HIL						
SLOPE													
Type	GE	Slope (%)	3-10%		Aspect (°)	30							
SOILS													
Source	S	Reliability	L	Code	A	Add data	-	ISB/MU	-	Colour	B	Texture	F
GEOLOGY													
Source	O	Reliability	L	Code	F	Map Unit	Qhcb						
SPECHT STRUCTURE CODE					Low Closed Forest								
GROUND (%)													
Litter		Rock		Bare ground		Cryptophyte		Vegetation					
RAINFOREST													
Struct. Complexity	-	Leaf Size	-	Leaf fall	-	Floor Comp	-	In. Gr Forms	-				
DISTURBANCE													
Storm damage (Proportion/Age)	0		Road Works (Proportion/Age)	0									
Fire (Proportion/Age/Height)	0		Salinity	0									
Logging (#)	0		Ringbarking /Thinning (#)	0									
Grazing	N		Feral Digging	N									
Weeds (% Cover)	0		Remnant	N									
Erosion (Type/Severity)	0												

SITE NUMBER	55				continued
STRUCTURAL SUMMARY					
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species	
Emergent	-	-	-	-	
Tree 1	5-10	7	87.5	<i>Acacia julifera</i> (D) <i>Allocasuarina littoralis</i> (C) <i>Alphitonia excelsa</i> (S)	
Tree 2	1-3	3		<i>Alphitonia excelsa</i> <i>Grevillea banksii</i>	
Tree 3					
Shrub 1	1-1.5	1	3	<i>Alphitonia excelsa</i>	
Shrub 2	0.5-1	0.5		<i>Lithomyrtus obtusa</i>	
Ground/ vines/ epiphytes/ mistletoes				<i>Cenchrus echinatus</i> * <i>Eriachne pallescens</i> <i>Gahnia aspera</i>	

														<i>Passiflora suberosa</i> *	
BASAL AREA & STEM COUNTS															
Species	Basal area for plot (50X10m)					Volume/ha		Stem count for plot (50X10m)							
	E	T1	T2	T3	S1	T1	T2	E	T1	T2	T3	S1	S2		
<i>Acacia julifera</i>									64	5		4	1		
<i>Allocasuarina littoralis</i>		1							2			1			
<i>Alphitonia excelsa</i>									5	10		4	1		
<i>Banksia integrifolia</i>										1					
<i>Breynia oblongifolia</i>												1			
<i>Corymbia clarksoniana</i>		1								1		2			
<i>Corymbia tessellaris</i>									1						
<i>Grevillea banksii</i>										5		2			
<i>Lantana camara</i>												1			
<i>Leptospermum neglectum</i>										1		1	1		
<i>Lithomyrtus obtusa</i>													9		

CANOPY COVER DATA (100m TRANSECT)			
Canopy Start (m)	Canopy finish (m)	Species	Strata
0	17	<i>Acacia julifera</i>	T1
18.5	20.5	<i>Acacia julifera</i>	T1
21.5	22.5	<i>Acacia julifera</i>	T1
27.5	30	<i>Acacia julifera</i>	T1
30.5	43.5	<i>Acacia julifera</i>	T1
32.5	34	<i>Leptospermum neglectum</i>	S1
34.5	36	<i>Alphitonia excelsa</i>	T1
40	41.5	<i>Alphitonia excelsa</i>	T1
43.5	46	<i>Alphitonia excelsa</i>	T1
44	47	<i>Allocasuarina littoralis</i>	T1
47.5	49	<i>Alphitonia excelsa</i>	S1
50	60.5	<i>Alphitonia excelsa</i>	T1
50	55	<i>Petalostigma pubescens</i>	T1
57	80	<i>Acacia julifera</i>	T1
67.5	68.5	<i>Allocasuarina littoralis</i>	T1
82	84	<i>Acacia julifera</i>	T1
84	86.5	<i>Allocasuarina littoralis</i>	T1
86.5	100	<i>Acacia julifera</i>	T1


REFERENCE SITE FOR 8.2.6a

SITE NUMBER	61		
LEVEL	2		
DETAIL SP. LIST	A		
REGIONAL ECOSYSTEM	8.2.6a		
DATE	15/2/11		
RECORDER	David Francis & Dan Potter		
LOCALITY	Great Keppel Island		
SITE DESCRIPTION	<i>Corymbia tessellaris</i> and <i>Corymbia clarksoniana</i> open forest		
GENERAL NOTES			
COMMUNITY AREA (ha)	>50ha	COMMUNITY WIDTH (m)	Not linear
MAPPED (Current RE)	8.2.8a	REFERENCE SITE	Y
LANDFORM			
Situation	T	Element	FOO
Eros pattern	UH	Pattern	HIL
SLOPE			
Type	MO	Slope (%)	10-32%
Aspect (°)			320
SOILS			
Source	S	Reliability	L
Code	A	Add data	-
ISB/MU	-	Colour	B
Texture	F		
GEOLOGY			
Source	O	Reliability	L
Code	F	Map Unit	Qchb
SPECHT STRUCTURE CODE			
Open Forest			
GROUND (%)			
Litter		Rock	
Bare ground		Cryptophyte	
Vegetation			
RAINFOREST			
Struct. Complexity	-	Leaf Size	-
Leaf fall	-	Floor Comp	-
In. Gr Forms	-		
DISTURBANCE			
Storm damage (Proportion/Age)	0	Road Works (Proportion/Age)	0
Fire (Proportion/Age/Height)	0	Salinity	0
Logging (#)	0	Ringbarking /Thinning (#)	0
Grazing	N	Feral Digging	N
Weeds (% Cover)	0	Remnant	
Erosion (Type/Severity)	0		




SITE NUMBER	61				continued
STRUCTURAL SUMMARY					
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species	
Emergent	-	-	-	-	
Tree 1	18-22	16	72.3	<i>Corymbia clarksoniana</i> (D) <i>Corymbia tessellaris</i> (S)	
Tree 2	4-8	7	55.5	<i>Allocasuarina littoralis</i> (S) <i>Alphitonia excelsa</i> (A) <i>Banksia integrifolia</i> (D) <i>Planchonia careya</i>	
Tree 3					
Shrub 1	1-3	2		<i>Grevillea banksii</i>	
Shrub 2	0.5-1	1		<i>Breynia oblongifolia</i> <i>Trema tomentosa</i>	
Ground/ vines/ epiphytes/ mistletoes				<i>Abrus precatorius</i> <i>Eriachne pallescens</i>	

REFERENCE FOR RE 8.3.13c

SITE NUMBER	71																								
LEVEL	2																								
DETAIL SP. LIST	A																								
REGIONAL ECOSYSTEM	8.3.13c																								
DATE	16/2/11																								
RECORDER	David Francis & Dan Potter																								
LOCALITY	Great Keppel Island																								
																									
												SITE DESCRIPTION	<i>Melaleuca quinquenervia</i> open forest												
												GENERAL NOTES													
												COMMUNITY AREA (ha)				COMMUNITY WIDTH (m)				Non linear					
												MAPPED (Current RE)				REFERENCE SITE				Y					
												LANDFORM													
												Situation	B	Element	VLF	Eros pattern	LP	Pattern	SAN						
												SLOPE													
												Type	VG	Slope (%)	1-3%			Aspect (°)	260						
												SOILS													
												Source	S	Reliability	L	Code	A	Add data	-	ISB/MU	-	Colour	I	Texture	F
												GEOLOGY													
Source	O	Reliability	L	Code	F			Map Unit	Qe/m - Qa																
SPECHT STRUCTURE CODE						Open Forest																			
GROUND (%)																									
Litter		Rock		Bare ground		Cryptophyte		Vegetation																	
RAINFOREST																									
Struct. Complexity	-	Leaf Size	-	Leaf fall	-	Floor Comp	-	In. Gr Forms	-																
DISTURBANCE																									
Storm damage (Proportion/Age)	0				Road Works (Proportion/Age)	0																			
Fire (Proportion/Age/Height)	0				Salinity	0																			
Logging (#)	0				Ringbarking /Thinning (#)	0																			
Grazing	N				Feral Digging	N																			
Weeds (% Cover)	<5				Remnant																				
Erosion (Type/Severity)	0																								


SITE NUMBER	71				continued			
STRUCTURAL SUMMARY								
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species				
Emergent	-	-	-	-				
Tree 1	11-16	15	68	<i>Melaleuca quinquenervia</i>				
Tree 2	4-10	8	52	<i>Alphitonia excelsa</i> <i>Planchonia careya</i> <i>Timonius timon</i>				
Tree 3								
Shrub 1	1-3	2		<i>Ficus hispida</i>				
Shrub 2	0.5-1	0.5						
Ground/ vines/ epiphytes/ mistletoes				<i>Baumea juncea</i> <i>Bidens bipinnata*</i> <i>Blechnum indicum</i> <i>Eriachne pallescens</i>				

SITE NUMBER	75												
LEVEL	2												
DETAIL SP. LIST	A												
REGIONAL ECOSYSTEM													
DATE	16/2/11												
RECORDER	David Francis & Dan Potter												
LOCALITY	Great Keppel Island												
SITE DESCRIPTION	Acacia low open forest												
GENERAL NOTES													
COMMUNITY AREA (ha)	>50			COMMUNITY WIDTH (m)	Not linear								
MAPPED (Current RE)	8.3.13c			REFERENCE SITE									
LANDFORM													
Situation	B	Element	VLF	Eros pattern	LP	Pattern	SAN						
SLOPE													
Type	GE		Slope (%)	1-3%			Aspect (°)	80					
SOILS													
Source	S	Reliability	L	Code	A	Add data	-	ISB/MU	-	Colour	B	Texture	F
GEOLOGY													
Source	O		Reliability	L	Code	F			Map Unit	Qa			
SPECHT STRUCTURE CODE													
Low Open Forest													
GROUND (%)													
Litter		Rock		Bare ground		Cryptophyte		Vegetation					
RAINFOREST													
Struct. Complexity	-	Leaf Size	-	Leaf fall	-	Floor Comp	-	In. Gr Forms	-				
DISTURBANCE													
Storm damage (Proportion/Age)	0			Road Works (Proportion/Age)	0								
Fire (Proportion/Age/Height)	0			Salinity	0								
Logging (#)	0			Ringbarking /Thinning (#)	0								
Grazing	N			Feral Digging	N								
Weeds (% Cover)	<5			Remnant	N								
Erosion (Type/Severity)	0												


SITE NUMBER	75	continued									
STRUCTURAL SUMMARY											
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species							
Emergent	-	-	-	-							
Tree 1	6-13	7	78.5	<i>Acacia disparrima</i> <i>Acacia leiocalyx</i> (D) <i>Melaleuca quinquenervia</i> <i>Melaleuca viridiflora</i>							
Tree 2	2-5	4	0.5	<i>Acacia disparrima</i> <i>Acacia leiocalyx</i>							
Tree 3											
Shrub 1				<i>Lantana camara</i> *							
Shrub 2											
Ground/ vines/ epiphytes/ mistletoes											
BASAL AREA & STEM COUNTS											
Basal area for plot			Volume/ha			Stem count for plot (50X10m)					

Species	(50X10m)												
	E	T1	T2	T3	S1	T1	T2	E	T1	T2	T3	S1	S2
<i>Acacia leiocalyx</i>		5							13				
<i>Acacia disparrima</i>		1							3	2			
<i>Acacia leiocalyx</i>									8	1		3	1
<i>Alphitonia excelsa</i>									1				
<i>Breynia oblongifolia</i>													1
<i>Corymbia clarksoniana</i>									3				
<i>Corymbia tessellaris</i>										1			
<i>Ficus opposita</i>												2	
<i>Lantana camara*</i>													
<i>Lithomyrtus obtusa</i>													1
<i>Melaleuca dealbata</i>		1							1	1		2	
<i>Melaleuca quinquenervia</i>		1							3				


CANOPY COVER DATA (100m TRANSECT)			
Canopy Start (m)	Canopy finish (m)	Species	Strata
0	3.5	<i>Melaleuca quinquenervia</i>	T1
1.5	4.5	<i>Acacia disparrima</i>	T1
5.5	6	<i>Melaleuca viridiflora</i>	T2
6.5	11	<i>Acacia leiocalyx</i>	T1
6.5	8.5	<i>Melaleuca quinquenervia</i>	T1
11.5	13.5	<i>Corymbia tessellaris</i>	T1
14.5	18.5	<i>Acacia leiocalyx</i>	T1
19.5	29.5	<i>Acacia leiocalyx</i>	T1
29.5	33	<i>Acacia disparrima</i>	T1
33	37.5	<i>Acacia leiocalyx</i>	T1
37	46	<i>Corymbia clarksoniana</i>	T1
37.5	41.5	<i>Acacia leiocalyx</i>	T1
41	43	<i>Acacia disparrima</i>	T1
44	46.5	<i>Acacia leiocalyx</i>	T1
49	53	<i>Acacia disparrima</i>	T1
53.5	55	<i>Acacia leiocalyx</i>	T1
54	63	<i>Acacia disparrima</i>	T1
63	65	<i>Acacia leiocalyx</i>	T1
64.5	69	<i>Alphitonia excelsa</i>	T1
68	72	<i>Acacia leiocalyx</i>	T1
71.5	76.5	<i>Alphitonia excelsa</i>	T1
77.5	78.5	<i>Acacia disparrima</i>	T1
79.5	87.5	<i>Acacia leiocalyx</i>	T1
89.5	94.5	<i>Acacia leiocalyx</i>	T1
89.5	100	<i>Acacia disparrima</i>	T1

SITE NUMBER	77		
LEVEL	2		
DETAIL SP. LIST	A		
REGIONAL ECOSYSTEM			
DATE	16/2/11		
RECORDER	David Francis & Dan Potter		
LOCALITY	Great Keppel Island		
			
SITE DESCRIPTION	<i>Acacia leiocalyx</i> closed forest		
GENERAL NOTES			
COMMUNITY AREA (ha)	>50	COMMUNITY WIDTH (m)	Not linear
MAPPED (Current RE)	8.3.13c/non-rem	REFERENCE SITE	no
LANDFORM			
Situation	B	Element	PLA
Eros pattern	LP	Pattern	PLA
SLOPE			
Type	GE	Slope (%)	1-3%
Aspect (°)	55		
SOILS			
Source	S	Reliability	L
Code	D	Add data	-
ISB/MU	-	Colour	D
Texture	I		
GEOLOGY			
Source	O	Reliability	L
Code	F		Map Unit
Map Unit	Ccs		
SPECHT STRUCTURE CODE			
Low Closed Forest			
GROUND (%)			
Litter		Rock	
Bare ground		Cryptophyte	
Vegetation			
RAINFOREST			
Struct. Complexity	-	Leaf Size	-
Leaf fall	-	Floor Comp	-
In. Gr Forms	-		
DISTURBANCE			
Storm damage (Proportion/Age)	0		Road Works (Proportion/Age)
Fire (Proportion/Age/Height)	0		Salinity
Logging (#)	0		Ringbarking /Thinning (#)
Grazing	N		Feral Digging
Weeds (% Cover)			Remnant
Erosion (Type/Severity)	0		

SITE NUMBER	77				continued
STRUCTURAL SUMMARY					
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species	
Emergent	-	-	-	-	
Tree 1	4-8	6	89	<i>Acacia disparrima</i> <i>Acacia leiocalyx</i> <i>Melaleuca nervosa</i>	
Tree 2	2-3.5	2.5	1	<i>Acacia disparrima</i> <i>Acacia leiocalyx</i> <i>Melaleuca nervosa</i>	
Tree 3					
Shrub 1				<i>Lantana camara</i> *	
Shrub 2					
Ground/ vines/ epiphytes/ mistletoes				<i>Megathyrsus maximus</i> * <i>Stephania japonica</i> <i>Stylosanthes humilis</i>	


SITE NUMBER	81													
LEVEL	2													
DETAIL SP. LIST	A													
REGIONAL ECOSYSTEM														
DATE	16/2/11													
RECORDER	David Francis & Dan Potter													
LOCALITY	Great Keppel Island													
SITE DESCRIPTION	<i>Lophostemon suaveolens</i> , <i>Corymbia clarksoniana</i> , closed forest													
GENERAL NOTES	Hearsay evidence suggests that this area was frequently inundated prior to 1990's. No signs currently evident.													
COMMUNITY AREA (ha)					COMMUNITY WIDTH (m)	Not linear								
MAPPED (Current RE)	8.11.10/8.12.14 x 2c				REFERENCE SITE									
LANDFORM														
Situation	D	Element	VLF	Eros pattern	VL	Pattern	PLA							
SLOPE														
Type	GE	Slope (%)	1-3%			Aspect (°)	0							
SOILS														
Source	S	Reliability	L	Code	A	Add data	-	ISB/MU	-	Colour	I	Texture	F	
GEOLOGY														
Source	O	Reliability	L	Code	F			Map Unit	Ccs					
SPECHT STRUCTURE CODE				Closed Forest										
GROUND (%)														
Litter			Rock			Bare ground			Cryptophyte			Vegetation		
RAINFOREST														
Struct. Complexity	-	Leaf Size	-	Leaf fall	-	Floor Comp	-	In. Gr Forms	-					
DISTURBANCE														
Storm damage (Proportion/Age)	0			Road Works (Proportion/Age)	0									
Fire (Proportion/Age/Height)	0			Salinity	0									
Logging (#)	0			Ringbarking /Thinning (#)	0									
Grazing	N			Feral Digging	N									
Weeds (% Cover)				Remnant										
Erosion (Type/Severity)	0													

SITE NUMBER	81	continued											
STRUCTURAL SUMMARY													
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species									
Emergent	-	-	-	-									
Tree 1	8-13	12	88	<i>Acacia disparrima</i> (S) <i>Corymbia clarksoniana</i> (A) <i>Lophostemon suaveolens</i> (D)									
Tree 2	3-7	5	38.3	<i>Glochidion lobocarpum</i> <i>Glochidion sumatranum</i>									
Tree 3													
Shrub 1	1	1		<i>Trema tomentosa</i>									
Shrub 2													
Ground/ vines/ epiphytes/ mistletoes				<i>Ageratum houstonianum</i> * <i>Bidens bipinnata</i> * <i>Enteropogon unispiceus</i> <i>Flemingia parviflora</i>									

SITE NUMBER	85													
LEVEL	2													
DETAIL SP. LIST	A													
REGIONAL ECOSYSTEM														
DATE	16/2/11													
RECORDER	David Francis & Dan Potter													
LOCALITY	Great Keppel Island													
SITE DESCRIPTION	Acacia mixed low closed forest													
GENERAL NOTES														
COMMUNITY AREA (ha)	>50			COMMUNITY WIDTH (m)	Not linear									
MAPPED (Current RE)	8.11.3a			REFERENCE SITE	N									
LANDFORM														
Situation	A	Element	FOO	Eros pattern	UL	Pattern	PLA							
SLOPE														
Type	GE		Slope (%)	1-3%			Aspect (°)	10						
SOILS														
Source	S	Reliability	L	Code	K	Add data	-	ISB/MU	-	Colour	B	Texture	A	
GEOLOGY														
Source	O		Reliability	L		Code	O		Map Unit	Qa				
SPECHT STRUCTURE CODE						Low Closed Forest								
GROUND (%)														
Litter		Rock		Bare ground		Cryptophyte		Vegetation						
RAINFOREST														
Struct. Complexity	-		Leaf Size	-		Leaf fall	-		Floor Comp	-		In. Gr Forms	-	
DISTURBANCE														
Storm damage (Proportion/Age)	0			Road Works (Proportion/Age)	0									
Fire (Proportion/Age/Height)	0			Salinity	0									
Logging (#)	0			Ringbarking /Thinning (#)	0									
Grazing	N			Feral Digging	N									
Weeds (% Cover)	<5			Remnant	N									
Erosion (Type/Severity)	0													

SITE NUMBER	85	continued		
STRUCTURAL SUMMARY				
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species
Emergent	-	-	-	-
Tree 1	3-10	6	88.5	<i>Acacia disparrima</i> (S) <i>Acacia leiocalyx</i> (D) <i>Alphitonia excelsa</i> (S) <i>Corymbia clarksoniana</i> (S)
Tree 2		2		<i>Acacia disparrima</i> <i>Acacia leiocalyx</i> <i>Alphitonia excelsa</i> <i>Lophostemon suaveolens</i>
Tree 3				
Shrub 1			1.5	<i>Alphitonia excelsa</i>

SITE NUMBER	114		
LEVEL	2		
DETAIL SP. LIST	A		
REGIONAL ECOSYSTEM			
DATE	17/2/11		
RECORDER	David Francis & Dan Potter		
LOCALITY	Great Keppel Island		



SITE DESCRIPTION	Melaleuca quinquenervia and Eucalyptus robusta closed forest.												
GENERAL NOTES													
COMMUNITY AREA (ha)				COMMUNITY WIDTH (m)	Not linear								
MAPPED (Current RE)	8.3.13c			REFERENCE SITE	Y								
LANDFORM													
Situation	E	Element	STB	Eros pattern	GP	Pattern	PLA						
SLOPE													
Type	GE	Slope (%)	1-3%	Aspect (°)	310								
SOILS													
Source	S	Reliability	L	Code	A	Add data	-	ISB/MU	-	Colour	I	Texture	F
GEOLOGY													
Source	O	Reliability	L	Code	F	Map Unit	Qa						
SPECHT STRUCTURE CODE	Closed Forest												
GROUND (%)													
Litter		Rock		Bare ground		Cryptophyte		Vegetation					
RAINFOREST													
Struct. Complexity	-	Leaf Size	-	Leaf fall	-	Floor Comp	-	In. Gr Forms	-				
DISTURBANCE													
Storm damage (Proportion/Age)	0			Road Works (Proportion/Age)	0								
Fire (Proportion/Age/Height)	0			Salinity	0								
Logging (#)	0			Ringbarking /Thinning (#)	0								
Grazing	N			Feral Digging	N								
Weeds (% Cover)	<5			Remnant									
Erosion (Type/Severity)	0												

SITE NUMBER	114				continued
STRUCTURAL SUMMARY					
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species	
Emergent	-	-	-	-	
Tree 1	10-15	12	90	<i>Eucalyptus robusta</i> <i>Melaleuca quinquenervia</i> <i>Melaleuca viridiflora</i>	
Tree 2	5-9	6	14	<i>Alphitonia excelsa</i> <i>Ficus hispida</i> <i>Macaranga tanarius</i> <i>Planchonia careya</i>	
Tree 3					
Shrub 1	3-4	3		<i>Ficus hispida</i> <i>Lantana camara</i> <i>Livistona decora</i> <i>Timonius timon</i>	


Shrub 2	1-2	1		
Ground/ vines/ epiphytes/ mistletoes	0.5-2	1.5		<i>Bonamia media</i> <i>Bidens bipinnata</i> * <i>Gahnia sieberiana</i> <i>Imperata cylindrica</i> <i>Megathyrsus maximus</i> * <i>Oplismenus hirtellus</i> <i>Ottochloa nodosa</i> <i>Passiflora suberosa</i> * <i>Pteridium esculentum</i> <i>Stephania japonica</i> <i>Triumfetta rhomboidea</i>

BASAL AREA & STEM COUNTS

Species	Basal area for plot (50X10m)					Volume/ha		Stem count for plot (50X10m)					
	E	T1	T2	T3	S1	T1	T2	E	T1	T2	T3	S1	S2
<i>Alphitonia excelsa</i>			1							1			1
<i>Eucalyptus robusta</i>		9							4				
<i>Ficus opposita</i>												1	1
<i>Glochidion sumatranum</i>										1			
<i>Lantana camara</i>												1	
<i>Livistona decora</i>												1	
<i>Melaleuca quinquenervia</i>		14							21				
<i>Planchonia careya</i>										1			

CANOPY COVER DATA (100m TRANSECT)

Canopy Start (m)	Canopy finish (m)	Species	Strata
0	8	<i>Eucalyptus robusta</i>	T1
5	8	<i>Planchonia careya</i>	T2
8.5	10.5	<i>Melaleuca quinquenervia</i>	T1
12.5	22.5	<i>Melaleuca quinquenervia</i>	T1
12.5	17	<i>Alphitonia excelsa</i>	T2
25	27	<i>Eucalyptus robusta</i>	T2
30	38	<i>Melaleuca quinquenervia</i>	T1
36.5	55.5	<i>Eucalyptus robusta</i>	T1
53	78.5	<i>Melaleuca quinquenervia</i>	T1
74	78.5	<i>Alphitonia excelsa</i>	T2
78.5	83	<i>Eucalyptus robusta</i>	T1
81	100	<i>Melaleuca quinquenervia</i>	T1

SITE NUMBER	118	
LEVEL	2	
DETAIL SP. LIST	A	
REGIONAL ECOSYSTEM		
DATE	17/2/11	
RECORDER	David Francis & Dan Potter	
LOCALITY	Great Keppel Island	
		
SITE DESCRIPTION	<i>Alphitonia excelsa</i> and <i>Acacia disparrima</i> low open forest	
GENERAL NOTES		
COMMUNITY AREA (ha)		COMMUNITY WIDTH (m) Not linear
MAPPED (Current RE)	8.11.10/8.12.14 x 2c	REFERENCE SITE
LANDFORM		
Situation	A	Element PLA Eros pattern GP Pattern SAN
SLOPE		
Type		Slope (%) % Aspect (°) 310
SOILS		
Source	S	Reliability L Code A Add data - ISB/MU - Colour I Texture F
GEOLOGY		
Source	O	Reliability L Code F Map Unit Ccs
SPECHT STRUCTURE CODE Low Open Forest		
GROUND (%)		
Litter		Rock Bare ground Cryptophyte Vegetation
RAINFOREST		
Struct. Complexity	-	Leaf Size - Leaf fall - Floor Comp - In. Gr Forms -
DISTURBANCE		
Storm damage (Proportion/Age)	0	Road Works (Proportion/Age) 0
Fire (Proportion/Age/Height)	0	Salinity 0
Logging (#)	0	Ringbarking /Thinning (#) 0
Grazing	N	Feral Digging N
Weeds (% Cover)	-	Remnant
Erosion (Type/Severity)	0	Extensive Clearing Y

SITE NUMBER	118		continued	
STRUCTURAL SUMMARY				
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species
Emergent	-	-	-	-
Tree 1	4-10	6	73.5	<i>Acacia disparrima</i> (D) <i>Alphitonia excelsa</i> (A) <i>Corymbia clarksoniana</i> (S) <i>Corymbia tessellaris</i> (S)
Tree 2	2-3	2		<i>Alphitonia excelsa</i>
Tree 3				
Shrub 1	1-2	1		<i>Lantana camara</i> *
Shrub 2	0.5-1	0.5		<i>Lithomyrtus obtusa</i>


Ground/ vines/ epiphytes/ mistletoes					<i>Abrus precatorius</i> <i>Amyema conspicuosa</i> <i>Bidens bipinnata</i> * <i>Cryptostegia grandiflora</i> * <i>Eriachne pallescens</i> <i>Hyptis suaveolens</i> * <i>Imperata cylindrica</i> <i>Megathyrsus maximus</i> * <i>Pandorea pandorana</i> <i>Passiflora suberosa</i> * <i>Sida cordifolia</i> * <i>Triumfetta rhomboidea</i> <i>Vernonia cinerea</i>
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BASAL AREA & STEM COUNTS

Species	Basal area for plot (50X10m)					Volume/ha		Stem count for plot (50X10m)					
	E	T1	T2	T3	S1	T1	T2	E	T1	T2	T3	S1	S2
<i>Corymbia clarksoniana</i>		3							6				
<i>Alphitonia excelsa</i>		6							21	7		2	
<i>Acacia disparrima</i>									1			1	
<i>Glochidion lobocarpum</i>									2			1	
<i>Allocasuarina littoralis</i>									10			2	
<i>Planchonia careya</i>		1											
<i>Acacia leiocalyx</i>		1							2	1			
<i>Lantana camara</i> *												6	
<i>Lithomyrtus obtusa</i>													1
<i>Corymbia tessellaris</i>									2			1	


CANOPY COVER DATA (100m TRANSECT)

Canopy Start (m)	Canopy finish (m)	Species	Strata
0	3	<i>Corymbia clarksoniana</i>	T1
1	11	<i>Alphitonia excelsa</i>	T1
14.5	16	<i>Corymbia clarksoniana</i>	T1
15.5	20	<i>Alphitonia excelsa</i>	T1
20	25	<i>Corymbia clarksoniana</i>	T1
24.5	28	<i>Alphitonia excelsa</i>	T1
28.5	30	<i>Alphitonia excelsa</i>	T1
30	30.5	<i>Corymbia tessellaris</i>	T1
33.5	36	<i>Allocasuarina littoralis</i>	T1
43.5	48.5	<i>Allocasuarina littoralis</i>	T1
48.5	50.5	<i>Alphitonia excelsa</i>	T1
51.5	54.5	<i>Allocasuarina littoralis</i>	T1
62.5	66	<i>Acacia disparrima</i>	T1
63	70	<i>Allocasuarina littoralis</i>	T1
70	76.5	<i>Corymbia clarksoniana</i>	T1
79.5	88	<i>Alphitonia excelsa</i>	T1
84.5	90.5	<i>Allocasuarina littoralis</i>	T1
90.5	96	<i>Alphitonia excelsa</i>	T1
92	96	<i>Planchonia careya</i>	T1
96	100	<i>Allocasuarina littoralis</i>	T1

SITE NUMBER	124			
LEVEL	2			
DETAIL SP. LIST	A			
REGIONAL ECOSYSTEM				
DATE	17/2/11			
RECORDER	David Francis & Dan Potter			
LOCALITY	Great Keppel Island			
SITE DESCRIPTION	<i>Allocasuarina littoralis</i> low closed forest			
GENERAL NOTES				
COMMUNITY AREA (ha)				COMMUNITY WIDTH (m)
MAPPED (Current RE)		8.11.10/8.12.14 x 2c		REFERENCE SITE
LANDFORM				
Situation	I	Element	FOO	Eros pattern UL Pattern SAN
SLOPE				
Type	GE	Slope (%)	3-10%	Aspect (°) 330
SOILS				
Source	S	Reliability	L	Code A Add data - ISB/MU - Colour I Texture F
GEOLOGY				
Source	O	Reliability	L	Code F Map Unit Ccs
SPECHT STRUCTURE CODE		Low Closed Forest		
GROUND (%)				
Litter		Rock		Bare ground Cryptophyte Vegetation
RAINFOREST				
Struct. Complexity	-	Leaf Size	-	Leaf fall - Floor Comp - In. Gr Forms -
DISTURBANCE				
Storm damage (Proportion/Age)	0		Road Works (Proportion/Age)	0
Fire (Proportion/Age/Height)	0		Salinity	0
Logging (#)	0		Ringbarking /Thinning (#)	0
Grazing	N		Feral Digging	N
Weeds (% Cover)	5		Remnant	
Erosion (Type/Severity)	0			

SITE NUMBER	124				continued
STRUCTURAL SUMMARY					
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species	
Emergent	-	15	-	-	
Tree 1	5-8	7	82	<i>Acacia disparrima</i> <i>Acacia julifera</i> <i>Allocasuarina littoralis</i> <i>Corymbia clarksoniana</i>	
Tree 2	2-4	3	1	<i>Acacia disparrima</i> <i>Acacia julifera</i> <i>Alphitonia excelsa</i>	
Tree 3					
Shrub 1	1-2	2		<i>Alphitonia excelsa</i> <i>Corymbia clarksoniana</i>	
Shrub 2	0.5-1	0.5		<i>Corymbia clarksoniana</i> <i>Lithomyrtus obtusa</i>	
Ground/ vines/ epiphytes/ mistletoes				<i>Cyperus gracilis</i> <i>Digitaria ramularis</i>	

TERTIARY

SITE NUMBER	132													
LEVEL	3													
DETAIL SP. LIST	A													
REGIONAL ECOSYSTEM														
DATE	17/2/11													
RECORDER	David Francis & Dan Potter													
LOCALITY	Great Keppel Island													
														
														SITE DESCRIPTION
GENERAL NOTES														
COMMUNITY AREA (ha)								COMMUNITY WIDTH (m)						
MAPPED (Current RE)				8.11.10/8.12.14 x 2c				REFERENCE SITE				N		
LANDFORM														
Situation	F			Element	HSL			Eros pattern	UH			Pattern	HIL	
SLOPE														
Type	VG			Slope (%)	1-3%			Aspect (°)	30					
SOILS														
Source	S	Reliability	L	Code	Q	Add data	-	ISB/MU	-	Colour	K	Texture	G	
GEOLOGY														
Source	O			Reliability	L			Code	O			Map Unit	Ccs	
SPECHT STRUCTURE CODE														
-														
GROUND (%)														
Litter				Rock				Bare ground				Cryptophyte		
RAINFOREST														
Struct. Complexity	-			Leaf Size	-			Leaf fall	-			Floor Comp	-	
DISTURBANCE														
Storm damage (Proportion/Age)	0			Road Works (Proportion/Age)	0			Salinity	0					
Fire (Proportion/Age/Height)	0			Logging (#)	N			Ringbarking /Thinning (#)	N					
Grazing	N			Weeds (% Cover)	0			Feral Digging	N					
Erosion (Type/Severity)	0			Remnant										

SITE NUMBER	132				continued			
STRUCTURAL SUMMARY								
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species				
Emergent	-	-	-	-				
Tree 1	1-3	2		<i>Eucalyptus exserta</i> <i>Lophostemon confertus</i>				
Tree 2				<i>Acacia leiocalyx</i> <i>Allocasuarina littoralis</i>				
Tree 3								
Shrub 1								
Shrub 2								
Ground/ vines/ epiphytes/ mistletoes				<i>Aristida queenslandica</i> var. <i>queenslandica</i> <i>Abildgaardia ovata</i> <i>Fimbristylis cinnamometorum</i>				

SITE NUMBER	140		
LEVEL	2		
DETAIL SP. LIST	A		
REGIONAL ECOSYSTEM			
DATE	17/2/11		
RECORDER	David Francis & Dan Potter		
LOCALITY	Great Keppel Island		
SITE DESCRIPTION	<i>Acacia disparrima</i> and <i>Acacia julifera</i> open forest		
GENERAL NOTES			
COMMUNITY AREA (ha)		COMMUNITY WIDTH (m)	Not linear
MAPPED (Current RE)	8.11.10/8.12.14 x 2c		REFERENCE SITE
LANDFORM			
Situation	T	Element	HSL
Eros pattern	UH		Pattern
SLOPE			
Type	VG	Slope (%)	<1%
Aspect (°)	250		
SOILS			
Source	S	Reliability	L
Code	A		Add data
ISB/MU	-		Colour
B	B		Texture
F	F		
GEOLOGY			
Source	O	Reliability	L
Code	F		Map Unit
Ccs	Ccs		
SPECHT STRUCTURE CODE			
Low Open Forest			
GROUND (%)			
Litter		Rock	
Bare ground		Cryptophyte	
Vegetation			
RAINFOREST			
Struct. Complexity	-	Leaf Size	-
Leaf fall	-		Floor Comp
In. Gr Forms	-		
DISTURBANCE			
Storm damage (Proportion/Age)	0		Road Works (Proportion/Age)
Fire (Proportion/Age/Height)	0		Salinity
Logging (#)	0		Ringbarking /Thinning (#)
Grazing	0		Feral Digging
Weeds (% Cover)	0		Remnant
Erosion (Type/Severity)	0		




SITE NUMBER	140				continued
STRUCTURAL SUMMARY					
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species	
Emergent	-	-	-	-	
Tree 1	5-9	6	70.5	<i>Acacia disparrima</i> (D) <i>Acacia julifera</i> (C) <i>Allocasuarina littoralis</i> (C) <i>Banksia integrifolia</i> (S) <i>Corymbia clarksoniana</i> (S) <i>Corymbia tessellaris</i> (S)	
Tree 2	2-4	3	1.5	<i>Alphitonia excelsa</i>	
Tree 3					
Shrub 1	1-2	2		<i>Alphitonia excelsa</i>	
Shrub 2	0.5-1	0.5		<i>Lithomyrtus obtusa</i>	
Ground/ vines/ epiphytes/ mistletoes				<i>Eriachne pallescens</i> <i>Lomandra leucocephala</i>	

														<i>Passiflora suberosa</i> *	
BASAL AREA & STEM COUNTS															
Species	Basal area for plot (50X10m)					Volume/ha		Stem count for plot (50X10m)							
	E	T1	T2	T3	S1	T1	T2	E	T1	T2	T3	S1	S2		
<i>Acacia disparrima</i>		3							10	1					
<i>Acacia julifera</i>		1							3				1		
<i>Acacia leiocalyx</i>													1		
<i>Allocasuarina littoralis</i>		1							3	1					
<i>Alphitonia excelsa</i>		2							2	3			8		
<i>Banksia integrifolia</i>		1							1						
<i>Corymbia clarksoniana</i>									3						
<i>Corymbia tessellaris</i>														1	
<i>Lithomyrtus obtusa</i>														75	


CANOPY COVER DATA (100m TRANSECT)			
Canopy Start (m)	Canopy finish (m)	Species	Strata
0	5	<i>Acacia disparrima</i>	T1
10.5	19	<i>Acacia disparrima</i>	T1
17.5	22	<i>Banksia integrifolia</i>	T1
20.5	25	<i>Alphitonia excelsa</i>	T1
31	51	<i>Acacia disparrima</i>	T1
49	50.5	<i>Corymbia clarksoniana</i>	T2
51	56	<i>Allocasuarina littoralis</i>	T1
64	66	<i>Acacia disparrima</i>	T1
66	70	<i>Acacia julifera</i>	T1
71	72	<i>Alphitonia excelsa</i>	T1
78	88	<i>Allocasuarina littoralis</i>	T1
84.5	85.5	<i>Alphitonia excelsa</i>	T2
90	92	<i>Acacia julifera</i>	T1
93	100	<i>Allocasuarina littoralis</i>	T1

REFERENCE SITE FOR 8.12.14

SITE NUMBER	142												
LEVEL	2												
DETAIL SP. LIST	A												
REGIONAL ECOSYSTEM	8.12.14												
DATE	17/2/11												
RECORDER	David Francis & Dan Potter												
LOCALITY	Great Keppel Island												
													
												SITE DESCRIPTION	Eucalyptus crebra open forest
GENERAL NOTES													
COMMUNITY AREA (ha)				COMMUNITY WIDTH (m)				Not linear					
MAPPED (Current RE)				8.11.10/8.12.14 x 2c				REFERENCE SITE				Y	
LANDFORM													
Situation	F	Element	HSL	Eros pattern	UH	Pattern	HIL						
SLOPE													
Type	MO		Slope (%)	10-32%		Aspect (°)	240						
SOILS													
Source	S	Reliability	L	Code	Q	Add data	-	ISB/MU	-	Colour	I	Texture	E
GEOLOGY													
Source	O		Reliability	L		Code	O		Map Unit	Ccs			
SPECHT STRUCTURE CODE						Low Open Forest							
GROUND (%)													
Litter			Rock			Bare ground			Cryptophyte			Vegetation	
RAINFOREST													
Struct. Complexity	-		Leaf Size	-		Leaf fall	-		Floor Comp	-		In. Gr Forms	-
DISTURBANCE													
Storm damage (Proportion/Age)	0				Road Works (Proportion/Age)	0							
Fire (Proportion/Age/Height)	0				Salinity	0							
Logging (#)	0				Ringbarking /Thinning (#)	0							
Grazing	N				Feral Digging	N							
Weeds (% Cover)	-				Remnant								
Erosion (Type/Severity)	0												


SITE NUMBER	142				continued			
STRUCTURAL SUMMARY								
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species				
Emergent	-	-	-	-				
Tree 1	6-10	7	78.5	<i>Eucalyptus crebra</i>				
Tree 2	2-5	3	10.5	<i>Acacia disparrima</i> <i>Alphitonia excelsa</i> <i>Acacia leiocalyx</i>				
Tree 3								
Shrub 1	0.5-1	0.5		<i>Acacia leiocalyx</i> <i>Alphitonia excelsa</i>				
Shrub 2								
Ground/ vines/ epiphytes/ mistletoes				<i>Ageratum houstonianum*</i> <i>Digitaria ramularis</i>				

TERTIARY
REFERENCE SITE FOR 8.11.9a

SITE NUMBER	165												
LEVEL	3												
DETAIL SP. LIST	A												
REGIONAL ECOSYSTEM	8.11.9a												
DATE	18/2/11												
RECORDER	David Francis & Dan Potter												
LOCALITY	Great Keppel Island												
													
				SITE DESCRIPTION	Grassland								
				GENERAL NOTES									
				COMMUNITY AREA (ha)	C	COMMUNITY WIDTH (m)	D						
				MAPPED (Current RE)	8.11.9a	REFERENCE SITE	Y						
				LANDFORM									
				Situation	N	Element	PLA	Eros pattern	UH	Pattern	HIL		
				SLOPE									
				Type	GE	Slope (%)	3-10%	Aspect (°)	140				
				SOILS									
Source	S	Reliability	L	Code	Q	Add data	-	ISB/MU	-	Colour	K	Texture	G
GEOLOGY													
Source	O	Reliability	L	Code	O	Map Unit	Ccs						
SPECHT STRUCTURE CODE				-									
GROUND (%)													
Litter		Rock		Bare ground		Cryptophyte		Vegetation					
RAINFOREST													
Struct. Complexity	-	Leaf Size	-	Leaf fall	-	Floor Comp	-	In. Gr Forms	-				
DISTURBANCE													
Storm damage (Proportion/Age)	-			Road Works (Proportion/Age)	-								
Fire (Proportion/Age/Height)	-			Salinity	-								
Logging (#)	-			Ringbarking /Thinning (#)	-								
Grazing	-			Feral Digging	-								
Weeds (% Cover)	-			Remnant	-								
Erosion (Type/Severity)	-												

SITE NUMBER	165				continued
STRUCTURAL SUMMARY					
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species	
Emergent	-	-	-	-	
Tree 1	-	-	-	-	
Tree 2	-	-	-	-	
Tree 3	-	-	-	-	
Shrub 1	-	-	-	-	
Shrub 2	-	-	-	-	
Ground/ vines/ epiphytes/ mistletoes	0-1	0.5		<i>Acacia leiocalyx</i> <i>Ageratum houstonianum</i> * <i>Aristida warburgii</i>	

			<i>Bothriochloa pertusa*</i> <i>Cassytha filiformis</i> <i>Centella asiatica</i> <i>Crotalaria montana</i> <i>Emilia sonchifolia*</i> <i>Epaltes australis</i> <i>Evolvulus alsinoides</i> <i>Glossocardia bidens</i> <i>Heliotropium pauciflorum</i> <i>Hibbertia vestita</i> <i>Hybanthus enneaspermus</i> <i>Leucopogon leptospermoides</i> <i>Lomandra confertifolia subsp. pallida</i> <i>Pseuderanthemum variable</i> <i>Pteridium esculentum</i> <i>Richardia brasiliensis</i> <i>Solanum ellipticum</i> <i>Sida cordifolia*</i> <i>Stachytarpheta jamaicensis *</i> <i>Zornia dyctiocarpa</i>
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SITE NUMBER	167												
LEVEL	2												
DETAIL SP. LIST	A												
REGIONAL ECOSYSTEM													
DATE	18/2/11												
RECORDER	David Francis & Dan Potter												
LOCALITY	Great Keppel Island												
SITE DESCRIPTION	<i>Acacia leiocalyx</i> and <i>Eucalyptus moluccana</i> forest												
GENERAL NOTES	Transect terminates at a fence that runs east to west												
COMMUNITY AREA (ha)				COMMUNITY WIDTH (m)									
MAPPED (Current RE)	8.11.3a			REFERENCE SITE	N								
LANDFORM													
Situation	A	Element	PLA	Eros pattern	GP	Pattern	PLA						
SLOPE													
Type	VG		Slope (%)	1-3%		Aspect (°)	30						
SOILS													
Source	S	Reliability	L	Code	A	Add data	-	ISB/MU	-	Colour	I	Texture	F
GEOLOGY													
Source	O		Reliability	L	Code	F		Map Unit	Ccs				
SPECHT STRUCTURE CODE				Low Open Forest									
GROUND (%)													
Litter			Rock			Bare ground			Cryptophyte			Vegetation	
RAINFOREST													
Struct. Complexity	-		Leaf Size	-		Leaf fall	-		Floor Comp	-		In. Gr Forms	-
DISTURBANCE													
Storm damage (Proportion/Age)	0			Road Works (Proportion/Age)	0								
Fire (Proportion/Age/Height)	0			Salinity	0								
Logging (#)	0			Ringbarking /Thinning (#)	0								
Grazing	N			Feral Digging	N								
Weeds (% Cover)	<5			Remnant									
Erosion (Type/Severity)													

SITE NUMBER	167				continued
STRUCTURAL SUMMARY					
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species	
Emergent	-	-	-	-	
Tree 1	5-10	6	69.5	<i>Acacia leiocalyx</i> <i>Alphitonia excelsa</i> <i>Eucalyptus moluccana</i> <i>Lophostemon suaveolens</i>	
Tree 2	2-4	3	4	<i>Acacia leiocalyx</i> <i>Melaleuca nervosa</i>	
Tree 3					
Shrub 1					
Shrub 2					

Ground/ vines/ epiphytes/ mistletoes				<i>Alloteropsis semialata</i> <i>Enteropogon unispiceus</i> <i>Epaltes australis</i> <i>Eriachne pallescens</i> <i>Fimbristylis acicularis</i> <i>Fimbristylis dichotoma</i> <i>Imperata cylindrica</i> <i>Lomandra confertifolia subsp. pallida</i> <i>Mitrasacme pygmaea</i> <i>Polygala sp (aff. linearifolia 'd')</i> <i>Sida cordifolia*</i> <i>Sida atherophora</i>
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BASAL AREA & STEM COUNTS

Species	Basal area for plot (50X10m)					Volume/ha		Stem count for plot (50X10m)						
	E	T1	T2	T3	S1	T1	T2	E	T1	T2	T3	S1	S2	
<i>Acacia leiocalyx</i>			1							1	12		12	5
<i>Alphitonia excelsa</i>										1			1	1
<i>Corymbia clarksoniana</i>										1	6		3	2
<i>Eucalyptus moluccana</i>		2								11				
<i>Lophostemon suaveolens</i>										1				
<i>Melaleuca nervosa</i>											3		3	

CANOPY COVER DATA (100m TRANSECT)

Canopy Start (m)	Canopy finish (m)	Species	Strata
0	18.5	<i>Eucalyptus moluccana</i>	T1
16.5	20	<i>Lophostemon suaveolens</i>	T1
20	26	<i>Eucalyptus moluccana</i>	T1
26.5	29.5	<i>Acacia leiocalyx</i>	T1
31	32	<i>Acacia leiocalyx</i>	T1
35	43	<i>Acacia leiocalyx</i>	T1
43.5	44.5	<i>Melaleuca nervosa</i>	T2
44	45	<i>Acacia leiocalyx</i>	T2
45	46	<i>Eucalyptus moluccana</i>	T2
47.5	48.5	<i>Eucalyptus moluccana</i>	T2
50	50.5	<i>Alphitonia excelsa</i>	T2
53.5	55.5	<i>Eucalyptus moluccana</i>	T1
55	71	<i>Alphitonia excelsa</i>	T1
56.5	60	<i>Acacia leiocalyx</i>	T1
79	81.5	<i>Eucalyptus moluccana</i>	T1
81.5	92	<i>Alphitonia excelsa</i>	T1
99	100	<i>Acacia leiocalyx</i>	T1