

Vegetation Mapping Records - Great Keppel Island

September 2010

REFERENCE SITE FOR 8.2.1

SITE NUMBER	1												
LEVEL	2												
DETAIL SP. LIST	Y												
REGIONAL ECOSYSTEM	8.2.1												
DATE	21/09/2010												
RECORDER	David Francis & Julia Olsen												
LOCALITY	Great Keppel Island												
SITE DESCRIPTION		Casuarina equisetifolia low open woodland											
GENERAL NOTES													
COMMUNITY AREA (ha)		20-50			COMMUNITY WIDTH (m)		75-150						
MAPPED (Current RE)		8.2.1			REFERENCE SITE		Y						
LANDFORM													
Situation	R	Element	BR1	Eros pattern	GR	Pattern	BEA						
SLOPE													
Type	F	Slope (%)	<5%			Aspect (°)	0						
SOILS													
Source	S	Reliability	H	Code	E	Add data	-	ISB/MU	-	Colour	Buff	Texture	Sand
GEOLOGY													
Source	0	Reliability	H	Code	F	Map Unit	Qhcb						
SPECHT STRUCTURE CODE						Low open woodland							
GROUND (%)													
Litter	10	Rock	0	Bare ground	10	Cryptophyte	0	Vegetation	80				
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 (#)		-			Ringbarking /Thinning (#)		-						
Grazing		N			Feral Digging		N						
Weeds (% Cover)		0			Remnant		Y						
Erosion (Type/Severity)		0											

SITE NUMBER		1			continued
STRUCTURAL SUMMARY					
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species	
Emergent	-	-	-	-	
Tree 1	6-11	7	6	<i>Banksia integrifolia</i> subsp. <i>compar</i> <i>Casuarina equisetifolia</i> subsp. <i>incana</i> <i>Corymbia tessellaris</i>	
Tree 2	2-5	4.5	33.5	<i>Allocasuarina littoralis</i> <i>Alphitonia excelsa</i> <i>Dodonaea viscosa</i> <i>Ficus opposita</i>	

Tree 3	-	-	-	-
Shrub 1	0.5-1	1	-	<i>Dodonaea viscosa</i> <i>Lantana camara</i> * <i>Opuntia stricta</i> *
Shrub 2	-	-	-	-
Ground	0-0.5	0.5	-	<i>Canavalia rosea</i> <i>Crotalaria medicaginea</i> var. <i>neglecta</i> <i>Eragrostis curvula</i> <i>Eragrostis interrupta</i> <i>Imperata cylindrica</i> <i>Lysiana maritima</i> <i>Melinis repens</i> * <i>Passiflora suberosa</i> * <i>Tridax procumbens</i> * <u>Out of plot:</u> <i>Agave vivipara</i> * <i>Catharanthus roseus</i> * <i>Euphorbia cyathophora</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>Allocasuarina littoralis</i>			2							19		2	
<i>Banksia integrifolia</i> subsp. <i>compa</i>										1			
<i>Casuarina equisetifolia</i> subsp. <i>Incana</i>									2				
<i>Corymbia tessellaris</i>													
<i>Dodonaea viscosa</i>										6		6	
<i>Lantana camara</i> *												1	
<i>Opuntia stricta</i> *												2	

CANOPY COVER DATA (100m TRANSECT)

Canopy Start (m)	Canopy finish (m)	Species	Strata
0	0.5	<i>Allocasuarina littoralis</i>	T2
8	9.5	<i>Allocasuarina littoralis</i>	T2
9.5	11	<i>Dodonaea viscosa</i>	T2
25	27	<i>Allocasuarina littoralis</i>	T2
32	35	<i>Allocasuarina littoralis</i>	T2
37	38.5	Stag	T1
38.5	40	<i>Corymbia tessellaris</i>	T1
40	43	<i>Allocasuarina littoralis</i>	T2
45.5	48.5	<i>Corymbia tessellaris</i>	T1
48.5	50	<i>Dodonaea viscosa</i>	T2
50	56	<i>Allocasuarina littoralis</i>	T2
58.5	63	<i>Allocasuarina littoralis</i>	T2
61	63	<i>Alphitonia excelsa</i>	T2
67	67.5	<i>Allocasuarina littoralis</i>	T2
76	76.5	<i>Allocasuarina littoralis</i>	T2
78.5	82.5	<i>Allocasuarina littoralis</i>	T2
85.5	87.5	<i>Allocasuarina littoralis</i>	T2
90	93	<i>Dodonaea viscosa</i>	T2

REFERENCE SITE RE 8.2.6

SITE NUMBER	2
LEVEL	2
DETAIL SP. LIST	Y
REGIONAL ECOSYSTEM	8.2.6
DATE	21/09/2010
RECORDER	David Francis & Julia Olsen
LOCALITY	Great Keppel Island



SITE DESCRIPTION	Melaleuca dealbata open forest												
GENERAL NOTES													
COMMUNITY AREA (ha)	20-50				COMMUNITY WIDTH (m)	75-150							
MAPPED (Current RE)	8.2.7e				REFERENCE SITE	Yes							
LANDFORM													
Situation	Plain		Element	A		Eros pattern	LP		Pattern	PLA			
SLOPE													
Type	F		Slope (%)	<5%				Aspect (°)	10				
SOILS													
Source	S	Reliability	H	Code	E	Add data	-	ISB/MU	-	Colour	Grey	Texture	Sand
GEOLOGY													
Source	O		Reliability	H		Code	F		Map Unit	Qhcb			
SPECHT STRUCTURE CODE	Open Forest												
GROUND (%)													
Litter	50	Rock	-	Bare ground	<1	Cryptophyte	-	Vegetation	50				
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 (#)	N				Ringbarking /Thinning (#)	N							
Grazing	N				Feral Digging	N							
Weeds (% Cover)	15%				Remnant	Y							
Erosion (Type/Severity)	0												

SITE NUMBER		2			continued
STRUCTURAL SUMMARY					
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species	
Emergent	-	-	-	-	
Tree 1	14-17	15	55.5	Melaleuca dealbata	
Tree 2	4-8	7	58.5	Acacia disparrima subsp. disparrima Allocasuarina littoralis Alphitonia excelsa Banksia integrifolia subsp. compar Breynia oblongifolia Casuarina equisetifolia subsp. incana Corymbia tessellaris Dodonaea viscosa Planchonia careya	
Tree 3	-	-	-	-	

Shrub 1	1-4	2.5	-	<i>Acacia disparrima</i> subsp. <i>disparrima</i> <i>Alphitonia excelsa</i> <i>Breynia oblongifolia</i> <i>Clerodendrum floribundum</i> <i>Lantana camara</i> * <i>Opuntia stricta</i> * <i>Pittosporum ferrugineum</i> subsp. <i>linifolium</i> <i>Senna pendula</i> *
Shrub 2	-	-	-	-
Ground	0-0.5	0.5	-	<i>Abrus precatorius</i> <i>Bulbostylis barbata</i> <i>Cenchrus echinatus</i> * <i>Clematocissus opaca</i> <i>Conyza canadensis</i> var. <i>pusilla</i> * <i>Cyperus rotundus</i> <i>Cyperus stradbrokeensis</i> <i>Euphorbia cyathophora</i> * <i>Imperata cylindrica</i> <i>Lepturus repens</i> <i>Megathyrsus maximus</i> * <i>Melinis repens</i> * <i>Passiflora suberosa</i> * <i>Solanum nigrum</i> * <i>Stephania japonica</i> var. <i>discolour</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> subsp. <i>disparrima</i>										2		1	
<i>Allocasuarina littoralis</i>			5							14		4	1
<i>Alphitonia excelsa</i>										1		1	
<i>Banksia integrifolia</i> subsp. <i>compar</i>													
<i>Breynia oblongifolia</i>										2			
<i>Clerodendrum floribundum</i>												3	3
<i>Dodonaea viscosa</i>												4	10
<i>Lantana camara</i> *												5	1
<i>Melaleuca dealbata</i>		6										4	
<i>Pittosporum ferrugineum</i> subsp. <i>linifolium</i>												2	
<i>Planchonia careya</i>										1		2	1
<i>Senna pendula</i> *												22	2
<i>Acacia julifera</i>												1	

CANOPY COVER DATA (100m TRANSECT)

Canopy Start (m)	Canopy finish (m)	Species	Strata
0	1	<i>Allocasuarina littoralis</i>	T2
3	7	<i>Allocasuarina littoralis</i>	T2
3	4	<i>Banksia integrifolia</i> subsp. <i>compar</i>	T2
4	23	<i>Melaleuca dealbata</i>	T1
9.5	11	<i>Allocasuarina littoralis</i>	T2
17.5	23	<i>Allocasuarina littoralis</i>	T2
19.5	20.5	<i>Breynia oblongifolia</i>	T2
24	25	Stag	T2
25.5	31.5	<i>Allocasuarina littoralis</i>	T2
34	42.5	<i>Melaleuca dealbata</i>	T1
35.5	38	<i>Acacia disparrima</i> subsp. <i>disparrima</i>	T2
46	50.5	<i>Allocasuarina littoralis</i>	T2
50.5	59	<i>Dodonaea lanceolata</i> var. <i>subsessilifolia</i>	T2
51	69	<i>Melaleuca dealbata</i>	T1
55	56.5	<i>Acacia disparrima</i> subsp. <i>disparrima</i>	T2
62	63	<i>Acacia disparrima</i> subsp. <i>disparrima</i>	T2
62.5	67.5	<i>Dodonaea viscosa</i>	T2
65	68	<i>Acacia disparrima</i> subsp. <i>disparrima</i>	T2
68	68.5	<i>Acacia disparrima</i> subsp. <i>disparrima</i>	T2

69	71	<i>Dodonaea viscosa</i>	T2
70	71.5	<i>Acacia disparrima</i> subsp. <i>disparrima</i>	T2
73.5	77.5	<i>Dodonaea viscosa</i>	T2
73	83	<i>Melaleuca dealbata</i>	T1
80	83	<i>Dodonaea viscosa</i>	T2
84	84.5	<i>Planchonia careya</i>	T2
88.5	90	<i>Planchonia careya</i>	T2
93	99	<i>Corymbia tessellaris</i>	T2

REFERENCE SITE FOR 8.2.6a

SITE NUMBER	9												
LEVEL	2												
DETAIL SP. LIST	Y												
REGIONAL ECOSYSTEM	8.2.6a												
DATE	21/09/2010												
RECORDER	David Francis & Julia Olsen												
LOCALITY	Great Keppel Island												
SITE DESCRIPTION		Corymbia clarksoniana open forest											
GENERAL NOTES													
COMMUNITY AREA (ha)		20-50			COMMUNITY WIDTH (m)		75-150						
MAPPED (Current RE)		8.2.8a			REFERENCE SITE		Y						
LANDFORM													
Situation		A		Element		VLF		Eros pattern		UP			
SLOPE													
Type		R		Slope (%)		<5%		Aspect (°)		260			
SOILS													
Source	S	Reliability	M	Code	D	Add data	-	ISB/MU	-	Colour	F	Texture	A
GEOLOGY													
Source	O	Reliability	H	Code	A		Map Unit	Qhcd					
SPECHT STRUCTURE CODE						Open Forest							
GROUND (%)													
Litter	40	Rock	0	Bare ground	0	Cryptophyte	0	Vegetation	60				
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		0			Feral Digging		0						
Weeds (% Cover)		0			Remnant								
Erosion (Type/Severity)		0											

SITE NUMBER		9			continued	
STRUCTURAL SUMMARY						
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species		
Emergent	-	-	-	-		
Tree 1	7-12	10	53.5	Acacia disparrima subsp. disparrima Allocasuarina littoralis Corymbia clarksoniana Eucalyptus portuensis		
Tree 2	3-7	7	53.0	Acacia disparrima subsp. disparrima Allocasuarina littoralis Alphitonia excelsa Banksia integrifolia subsp. compar Corymbia clarksoniana Eucalyptus portuensis Leptospermum neglectum Petalostigma pubescens		

Tree 3	-	-	-	-									
Shrub 1	1-1.5	1	-	<i>Lithomyrtus obtusa</i> <i>Xanthorrhoea latifolia</i>									
Shrub 2	-	-	-	-									
Ground	0-0.5	0.5	-	<i>Amyema conspicua</i> subsp. <i>conspicua</i> <i>Eriachne pallescens</i> var. <i>pallescens</i> <i>Imperata cylindrica</i> <i>Paspalidium distans</i> <i>Paspalidium gausum</i> <i>Passiflora suberosa</i> * <i>Planchonia careya</i> (seedling) <i>Trachystylis stradbokensis</i> <i>Triumfetta rhomboides</i> <i>Xanthorrhoea latifolia</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> subsp. <i>disparrima</i>										1			
<i>Allocasuarina littoralis</i>		1	5							13		5	
<i>Alphitonia excelsa</i>			1							10		2	1
<i>Banksia integrifolia</i> subsp. <i>compar</i>										2			
<i>Corymbia clarksoniana</i>		7							5			1	1
<i>Eucalyptus portuensis</i>													
<i>Leptospermum neglectum</i>													
<i>Lithomyrtus obtusa</i>												1	1
<i>Petalostigma pubescens</i>													

CANOPY COVER DATA (100m TRANSECT)			
Canopy Start (m)	Canopy finish (m)	Species	Strata
0	1.5	<i>Banksia integrifolia</i> subsp. <i>compar</i>	T2
0.5	2	<i>Alphitonia excelsa</i>	T2
3.5	5	<i>Allocasuarina littoralis</i>	T2
6	9.5	<i>Allocasuarina littoralis</i>	T2
8	11	<i>Acacia disparrima</i> subsp. <i>disparrima</i>	T2
13.5	18	<i>Corymbia clarksoniana</i>	T1
17	19.5	<i>Allocasuarina littoralis</i>	T2
22.5	26	<i>Allocasuarina littoralis</i>	T2
26	30	<i>Alphitonia excelsa</i>	T2
30	34.5	<i>Allocasuarina littoralis</i>	T2
31	32	<i>Alphitonia excelsa</i>	T2
34.5	45.5	<i>Corymbia clarksoniana</i>	T1
41.5	44	<i>Allocasuarina littoralis</i>	T2
41.5	43	<i>Alphitonia excelsa</i>	T2
47	52.5	<i>Alphitonia excelsa</i>	T2

51	58.5	<i>Allocasuarina littoralis</i>	T2
53	57.5	<i>Corymbia clarksoniana</i>	T1
58.5	59.5	<i>Acacia disparrima</i> subsp. <i>disparrima</i>	T2
60	63	<i>Banksia integrifolia</i> subsp. <i>compar</i>	TT2
59	64	<i>Alphitonia excelsa</i>	T2
67	68.5	<i>Banksia integrifolia</i> subsp. <i>compar</i>	T2
67.5	87	<i>Corymbia clarksoniana</i>	T1
71	73	<i>Alphitonia excelsa</i>	T2
92	94	<i>Banksia integrifolia</i> subsp. <i>compare</i>	T2
95	98	<i>Banksia integrifolia</i> subsp. <i>compar</i>	T2
98	100	<i>Acacia disparrima</i> subsp. <i>disparrima</i>	T2
86	100	<i>Eucalyptus portuensis</i>	T1

Tertiary Site

SITE NUMBER	24
LEVEL	3
DETAIL SP. LIST	Y
REGIONAL ECOSYSTEM	8.2.1
DATE	21/09/2010
RECORDER	David Francis & Julia Olsen
LOCALITY	Great Keppel Island



SITE DESCRIPTION													
GENERAL NOTES													
COMMUNITY AREA (ha)				5-20		COMMUNITY WIDTH (m)				75-150			
MAPPED (Current RE)				8.2.1		REFERENCE SITE				N			
LANDFORM													
Situation	A		Element	FOO		Eros pattern	GP		Pattern	PLA			
SLOPE													
Type	F		Slope (%)	<1		Aspect (°)							
SOILS													
Source	S	Reliability	M	Code	A	Add data	-	ISB/MU	-	Colour	K	Texture	E
GEOLOGY													
Source	S	Reliability	M	Code	K		Map Unit	Ccs					
SPECHT STRUCTURE CODE													
Open Herbland													
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 (#)	N		Ringbarking /Thinning (#)	N									
Grazing	Y (Goats)		Feral Digging	N									
Weeds (% Cover)	5%		Remnant										
Erosion (Type/Severity)	0												

SITE NUMBER		24				continued
STRUCTURAL SUMMARY						
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species		
Emergent	-	-	-	-		
Tree 1		-	-	No Trees		
Tree 2						
Tree 3	-	-	-	-		
Shrub 1	1	1		Lantana camara*		
Shrub 2	-	-	-	-		
Ground	0-0.5	0.5	-	Ageratum conyzoides subsp. conyzoides* Tridax procumbens*diera scandens Cryptostegia grandiflora* Cynodon dactylon* Heteropogon contortus Hibbertia scandens		

			<i>Imperata cylindrica</i> <i>Ipomoea pes-caprae</i> subsp. <i>brasiliensis</i> <i>Opuntia stricta</i> * <i>Sida cordifolia</i> * <i>Boerhavia pubescens</i> <i>Mukia maderaspatana</i> * <i>Hyptis suaveolens</i> * <i>Stephania japonica</i> var. <i>discolor</i> <i>Triumfetta rhomboidea</i>
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Tertiary Site

SITE NUMBER	25												
LEVEL	3												
DETAIL SP. LIST	Y												
REGIONAL ECOSYSTEM	8.12.14x2c												
DATE	21/09/2010												
RECORDER	David Francis & Julia Olsen												
LOCALITY	Great Keppel Island												
SITE DESCRIPTION		<i>Ficus obliqua</i> wind-sheared closed forest											
GENERAL NOTES													
COMMUNITY AREA (ha)		5-20	COMMUNITY WIDTH (m)		75-150								
MAPPED (Current RE)		8.2.1	REFERENCE SITE		N								
LANDFORM													
Situation	L	Element	CLI	Eros pattern	SH	Pattern	HIL						
SLOPE													
Type		R	Slope (%)		30	Aspect (°)		160					
SOILS													
Source	S	Reliability	M	Code		Add data	-	ISB/MU	-	Colour	Dark Brown	Texture	Sandy Loam & Clay
GEOLOGY													
Source	O	Reliability	Low	Code		K		Map Unit	Ccs				
SPECHT STRUCTURE CODE						Low Closed Forest							
GROUND (%)													
Litter	5	Rock	40	Bare ground	0	Cryptophyte	5	Vegetation	50				
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 (#)		N		Ringbarking /Thinning (#)		N							
Grazing		Y (Goats)		Feral Digging		N							
Weeds (% Cover)		5%		Remnant									
Erosion (Type/Severity)		0											

SITE NUMBER		25				continued	
STRUCTURAL SUMMARY							
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species			
Emergent	-	-	-	-			
Tree 1		6		<i>Diospyros geminata</i> <i>Ficus obliqua</i> <i>Jagera pseudorhus</i> var. <i>pseudorhus</i> <i>Pipturus argenteus</i> <i>Pouteria sericea</i> <i>Scolopia braunii</i>			
Tree 2							
Tree 3	-	-	-	-			
Shrub 1				<i>Lantana camara</i> *			
Shrub 2	-	-	-	-			
Ground	0-0.5	0.5	-	<i>Acronychia laevis</i>			

			<i>Adiantum hispidulum</i> var. <i>hispidulum</i> <i>Ageratum conyzoides</i> subsp. <i>conyzoides</i> * <i>Clematicissus opaca</i> <i>Cissus oblonga</i> <i>Cyperus gracilis</i> <i>Diospyros geminata</i> <i>Microsorium punctatum</i> <i>Oplismenus aemulus</i> <i>Passiflora suberosa</i> * <i>Pseuderanthemum variabile</i> <i>Stephania japonica</i> var. <i>discolor</i> <i>Tetrastigma nitens</i> <i>Triumfetta rhomboides</i>
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SITE NUMBER	27												
LEVEL	2												
DETAIL SP. LIST	Y												
REGIONAL ECOSYSTEM	8.11.10												
DATE	22/09/2010												
RECORDER	David Francis & Julia Olsen												
LOCALITY	Great Keppel Island												
SITE DESCRIPTION		<i>Allocasuarina littoralis</i> low woodland											
GENERAL NOTES													
COMMUNITY AREA (ha)		20-50				COMMUNITY WIDTH (m)		75-150					
MAPPED (Current RE)		8.11.1/8.12.14x2c				REFERENCE SITE		N					
LANDFORM													
Situation	F	Element	HSL	Eros pattern	UH	Pattern	HIL						
SLOPE													
Type	MO			Slope (%)	15		Aspect (°)	80					
SOILS													
Source	S	Reliability	M	Code	A/K	Add data	-	ISB/MU	-	Colour	Dark Brown	Texture	Sandy Clay
GEOLOGY													
Source	I	Reliability	M	Code	F/G		Map Unit	Ccs					
SPECHT STRUCTURE CODE				Low Woodland									
GROUND (%)													
Litter	5	Rock	0	Bare ground	0	Cryptophyte	0	Vegetation	95				
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 (#)		N		Ringbarking /Thinning (#)		N							
Grazing		N		Feral Digging		N							
Weeds (% Cover)		<5%		Remnant		Y							
Erosion (Type/Severity)		0											

SITE NUMBER		27			continued
STRUCTURAL SUMMARY					
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species	
Emergent	-	-	-	-	
Tree 1	4-5	4	25	Acacia disparrima subsp. disparrima Acacia leiocalyx subsp. leiocalyx Allocasuarina littoralis Capparis canescens	
Tree 2	1-3	2	48.5	Acacia disparrima subsp. disparrima Acacia leiocalyx subsp. leiocalyx Acronychia laevis Allocasuarina littoralis	
Tree 3	-	-	-	-	

Shrub 1	0.5-1	1	-	<i>Diospyros geminata</i> <i>Drypetes deplanchei</i> <i>Lantana camara*</i> <i>Trema tomentosa</i>
Shrub 2	-	-	-	-
Ground	0-0.5	0.5	-	<i>Brunoniella australis</i> <i>Capparis canescens</i> <i>Cheilanthes sieberi</i> <i>Desmodium rhytidophyllum</i> <i>Diospyros geminata</i> <i>Ficus opposita</i> (seedling) <i>Gahnia aspera</i> <i>Hibbertia vestita</i> <i>Lomandra multiflora</i> <i>Lomandra confertifolia</i> subsp. <i>pallida</i> <i>Oplismenus aemulus</i> <i>Passiflora suberosa</i> <i>Marrumbium vulgare*</i> <i>Scleria brownii</i> <i>Sida cordifolia*</i> <i>Triumfetta rhomboides</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 leiocalyx</i> subsp. <i>leiocalyx</i>			1						1	31		12	
<i>Allocasuarina littoralis</i>		5							18	3		1	
<i>Acacia disparrima</i> subsp. <i>disparrima</i>										2		1	
<i>Diospyros geminata</i>												1	
<i>Capparis canescens</i>									1				
<i>Lantana camara*</i>												1	
<i>Trema tomentosa</i>												1	
<i>Alphitonia excelsa</i>												1	
<i>Drypetes deplanchei</i>												1	
<i>Acronychia laevis</i>										2		3	

CANOPY COVER DATA (100m TRANSECT)

Canopy Start (m)	Canopy finish (m)	Species	Strata
0	5	<i>Acacia leiocalyx</i> subsp. <i>leiocalyx</i>	T2
4.5	7	<i>Allocasuarina littoralis</i>	T1
7	9	<i>Acacia leiocalyx</i> subsp. <i>leiocalyx</i>	T2
12	20	<i>Allocasuarina littoralis</i>	T1
20	22	<i>Acacia leiocalyx</i> subsp. <i>leiocalyx</i>	T2
23	26.5	<i>Allocasuarina littoralis</i>	T1
23.5	24	<i>Acacia leiocalyx</i> subsp. <i>leiocalyx</i>	T2
27	30	<i>Acacia disparrima</i> subsp. <i>disparrima</i>	T2
31.5	35.5	<i>Acacia disparrima</i> subsp. <i>disparrima</i>	T2
39	39.5	<i>Acacia disparrima</i> subsp. <i>disparrima</i>	T2
40	42	Stag	T1
43	44	<i>Acacia leiocalyx</i> subsp. <i>leiocalyx</i>	T2

45	50	<i>Acacia disparrima</i> subsp. <i>disparrima</i>	T2
51	52	<i>Acacia disparrima</i> subsp. <i>disparrima</i>	T2
53.5	59.5	<i>Allocasuarina littoralis</i>	T1
55	57	<i>Acronychia laevis</i>	T2
59	64	<i>Acronychia laevis</i>	T2
65	67	<i>Acacia leiocalyx</i> subsp. <i>leiocalyx</i>	T2
67.5	69	<i>Allocasuarina littoralis</i>	T2
71	72.5	<i>Acronychia laevis</i>	T2
71.5	74.5	<i>Acacia leiocalyx</i> subsp. <i>leiocalyx</i>	T2
76	79	<i>Acronychia laevis</i>	T2
78	80	<i>Allocasuarina littoralis</i>	T1
84	84.5	<i>Allocasuarina littoralis</i>	T2
87	88.5	<i>Acacia leiocalyx</i> subsp. <i>leiocalyx</i>	T2
90	91	<i>Allocasuarina littoralis</i>	T1
94	98	<i>Acacia disparrima</i> subsp. <i>disparrima</i>	T2
98	99.5	<i>Acronychia laevis</i>	T2

SITE NUMBER	29												
LEVEL	2												
DETAIL SP. LIST	Y												
REGIONAL ECOSYSTEM	Non-rem 8.2.8a												
DATE	22/09/2010												
RECORDER	David Francis & Julia Olsen												
LOCALITY	Great Keppel Island												
SITE DESCRIPTION <i>Allocasuarina littoralis</i> open forest													
GENERAL NOTES													
COMMUNITY AREA (ha)	20-50	COMMUNITY WIDTH (m)	75-150										
MAPPED (Current RE)	8.11.10/8.12.14x2c	REFERENCE SITE	N										
LANDFORM													
Situation	F	Element	HSL	Eros pattern	UL	Pattern	Low						
SLOPE													
Type	VG	Slope (%)	<5%		Aspect (°)	320							
SOILS													
Source	S	Reliability	H	Code	A	Add data	-	ISB/MU	-	Colour	Dark Grey	Texture	Sand
GEOLOGY													
Source	O	Reliability	H	Code	Sand		Map Unit	Ccs					
SPECHT STRUCTURE CODE				Low Open Forest									
GROUND (%)													
Litter	15	Rock	0	Bare ground	0	Cryptophyte	0	Vegetation	85				
RAINFOREST													
Struct. Complexity	-	Leaf Size	-	Leaf fall	-	Floor Comp	-	In. Gr Forms	-				
DISTURBANCE													
Storm damage (Proportion/Age)	3 (storm/cyclone)		Road Works (Proportion/Age)		0								
Fire (Proportion/Age/Height)	0		Salinity		0								
Logging (#)	N		Ringbarking /Thinning (#)		N								
Grazing	Y (goats)		Feral Digging		N								
Weeds (% Cover)	<1%		Remnant		N								
Erosion (Type/Severity)	0												

SITE NUMBER		29			continued
STRUCTURAL SUMMARY					
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species	
Emergent	-	-	-	-	
Tree 1	4-8	5	46	Acacia disparrima subsp. disparrima Acacia leiocalyx subsp. leiocalyx Acacia julifera Allocasuarina littoralis Alphitonia excelsa Corymbia tessellaris	
Tree 2	-	-	-	-	
Tree 3	-	-	-	-	
Shrub 1	0.5-1	1	-	Lithomyrtus obtusa	
Shrub 2	-	-	-	-	
Ground	0-0.5	0.5	-	Eriachne pallescens var pallescens Lomandra leucocephala subsp. leucocephala	
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> subsp. <i>disparrima</i>		1							8			1	
<i>Allocasuarina littoralis</i>		3							13			2	
<i>Acacia julifera</i>		1							3				
<i>Corymbia tessellaris</i>									2				
<i>Alphitonia excelsa</i>									1			1	
<i>Acacia leiocalyx</i> subsp. <i>leiocalyx</i>									1			23	
<i>Lithomyrtus obtusa</i>												71	

CANOPY COVER DATA (100m TRANSECT)			
Canopy Start (m)	Canopy finish (m)	Species	Strata
0	1	<i>Acacia disparrima</i> subsp. <i>disparrima</i>	T1
2.5	7	<i>Allocasuarina littoralis</i>	T1
6	19.5	<i>Acacia disparrima</i> subsp. <i>disparrima</i>	T1
10	11.5	<i>Allocasuarina littoralis</i>	T1
23.5	24.5	<i>Acacia julifera</i>	T1
27	28.5	<i>Acacia julifera</i>	T1
39	40	<i>Corymbia tessellaris</i>	T1
38.5	41	<i>Allocasuarina littoralis</i>	T1
45	46	<i>Acacia julifera</i>	T1
61	64	<i>Alphitonia excelsa</i>	T1
66.5	73.5	<i>Allocasuarina littoralis</i>	T1
80	85.5	<i>Allocasuarina littoralis</i>	T1
83	85	<i>Acacia julifera</i>	T1
87	91	<i>Acacia julifera</i>	T1
98.5	100	<i>Allocasuarina littoralis</i>	T1

REFERENCE FOR 8.2.8a

SITE NUMBER	31		
LEVEL	2		
DETAIL SP. LIST	Y		
REGIONAL ECOSYSTEM	8.2.8a		
DATE	22/09/2010		
RECORDER	David Francis & Julia Olsen		
LOCALITY	Great Keppel Island		
SITE DESCRIPTION	<i>Corymbia clarksoniana</i> open forest		
GENERAL NOTES			
COMMUNITY AREA (ha)	20-50	COMMUNITY WIDTH (m)	75-150
MAPPED (Current RE)	8.11.10/8.12.14x2c	REFERENCE SITE	Y
LANDFORM			
Situation	F	Element	HSL
Eros pattern	UL	Pattern	HIL
SLOPE			
Type	L	Slope (%)	5
Aspect (°)	290		
SOILS			
Source	S	Reliability	H
Code	A	Add data	-
ISB/MU	-	Colour	Light Brown
Texture	Sand		
GEOLOGY			
Source	Map	Reliability	Low
Code	A/K	Map Unit	Ccs
SPECHT STRUCTURE CODE			
Open Forest			
GROUND (%)			
Litter	55	Rock	0
Bare ground	0	Cryptophyte	0
Vegetation	45		
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 (#)	N	Ringbarking /Thinning (#)	N
Grazing	N	Feral Digging	N
Weeds (% Cover)	0	Remnant	
Erosion (Type/Severity)	0		

SITE NUMBER		31			continued
STRUCTURAL SUMMARY					
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species	
Emergent	-	-	-	-	
Tree 1	8-13	10	63.5	<i>Allocasuarina littoralis</i> <i>Alphitonia excelsa</i> <i>Banksia integrifolia</i> subsp. <i>compar</i> <i>Corymbia clarksoniana</i> <i>Corymbia tessellaris</i>	
Tree 2	3-7	7	44	<i>Acacia disparrima</i> subsp. <i>disparrima</i> <i>Allocasuarina littoralis</i> <i>Alphitonia excelsa</i> <i>Banksia integrifolia</i> subsp. <i>compar</i> <i>Corymbia clarksoniana</i> <i>Corymbia tessellaris</i>	

				<i>Ficus obliqua</i> <i>Glochidion lobocarpum</i>
Tree 3	-	-	-	-
Shrub 1	1-2	2	-	<i>Alphitonia excelsa</i>
Shrub 2	0.5	1	-	<i>Lithomyrtus obtusa</i>
Ground	0-0.5	0.5	-	<i>Aristida calycina</i> var. <i>calycina</i> <i>Cyperus gracilis</i> <i>Eriachne pallescens</i> <i>Lomandra leucocephala</i> subsp. <i>leucocephala</i> <i>Passiflora suberosa</i> * <i>Stephania japonica</i> var. <i>discolor</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>Corymbia clarksoniana</i>		3							2			1	
<i>Corymbia tessellaris</i>		6	1						3				
<i>Allocasuarina littoralis</i>			2							3			
<i>Alphitonia excelsa</i>			1							14		11	1
<i>Banksia integrifolia</i> subsp. <i>compar</i>			1							8		1	
<i>Glochidion lobocarpum</i>			1							1		1	
<i>Lithomyrtus obtusa</i>													46
<i>Acacia disparrima</i> subsp. <i>disparrima</i>										1			

CANOPY COVER DATA (100m TRANSECT)

Canopy Start (m)	Canopy finish (m)	Species	Strata
0	2	<i>Glochidion lobocarpum</i>	T2
0	3	<i>Corymbia clarksoniana</i>	T1
10	11	<i>Alphitonia excelsa</i>	T2
10	20	<i>Corymbia clarksoniana</i>	T1
14.5	15	<i>Alphitonia excelsa</i>	T2
23.5	26.5	<i>Allocasuarina littoralis</i>	T2
24	25	<i>Corymbia clarksoniana</i>	T1
26	28.5	<i>Alphitonia excelsa</i>	T2
31	33.5	<i>Banksia integrifolia</i> subsp. <i>compar</i>	T2
32	38	<i>Corymbia tessellaris</i>	T1
34.5	38.5	<i>Alphitonia excelsa</i>	T2
38	41.5	<i>Banksia integrifolia</i> subsp. <i>compar</i>	T1
42	43.5	<i>Alphitonia excelsa</i>	T2
47	55.5	<i>Corymbia tessellaris</i>	T1
47.5	49	<i>Alphitonia excelsa</i>	T2
48	51	<i>Banksia integrifolia</i> subsp. <i>compar</i>	T1
50.5	55.5	<i>Alphitonia excelsa</i>	T2

59.5	74	<i>Glochidion lobocarpum</i>	T2
61	68	<i>Corymbia tessellaris</i>	T1
68	85	<i>Corymbia clarksoniana</i>	T1
77	78.5	<i>Glochidion lobocarpum</i>	T2
82.5	90	<i>Banksia integrifolia subsp. compar</i>	T1
89	94	<i>Allocasuarina littoralis</i>	T2
95.5	98	<i>Corymbia clarksoniana</i>	T1

SITE NUMBER	35												
LEVEL	2												
DETAIL SP. LIST	Y												
REGIONAL ECOSYSTEM	8.2.8a												
DATE	22/09/2010												
RECORDER	David Francis & Julia Olsen												
LOCALITY	Great Keppel Island												
SITE DESCRIPTION		<i>Lophostemon confertus</i> / <i>Eucalyptus portuensis</i> closed forest											
GENERAL NOTES													
COMMUNITY AREA (ha)		20-50				COMMUNITY WIDTH (m)		75-150					
MAPPED (Current RE)		8.11.10/8.12.14x2c				REFERENCE SITE		N					
LANDFORM													
Situation	F	Element	HSL	Eros pattern	UH	Pattern	HIL						
SLOPE													
Type	L	Slope (%)	<5%			Aspect (°)							
SOILS													
Source	S	Reliability	H	Code	A/K	Add data	-	ISB/MU	-	Colour	Brown	Texture	Sandy Clay
GEOLOGY													
Source	O	Reliability	H	Code	Rock		Map Unit	Ccs					
SPECHT STRUCTURE CODE				Low closed Forest									
GROUND (%)													
Litter	5	Rock	5	Bare ground	0	Cryptophyte	5	Vegetation	85				
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 (#)		N				Ringbarking /Thinning (#)		N					
Grazing		N				Feral Digging		N					
Weeds (% Cover)		<1%				Remnant		Y					
Erosion (Type/Severity)		0											

SITE NUMBER		35			continued	
STRUCTURAL SUMMARY						
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species		
Emergent	-	-	-	-		
Tree 1	7-12	8	85	<i>Eucalyptus crebra</i> <i>Eucalyptus portuensis</i> <i>Lophostemon suaveolens</i>		
Tree 2	3-7	5	14.5	<i>Acacia disparrima</i> subsp. <i>disparrima</i> <i>Eucalyptus portuensis</i> <i>Jagera pseudorhus</i> var. <i>pseudorhus</i> <i>Lophostemon suaveolens</i>		
Tree 3	-	-	-	-		
Shrub 1	1-2	1	-	<i>Xanthorrhoea latifolia</i>		

Shrub 2	-	-	-	-
Ground	0-0.5	0.5	-	<i>Alphitonia excelsa</i> (seedling) <i>Arundinella nepalensis</i> <i>Desmodium rhytidophyllum</i> <i>Enteropogon unispiceus</i> <i>Entolasia stricta</i> <i>Lepidosperma laterale</i> var. <i>laterale</i> <i>Lomandra confertifolia</i> subsp. <i>pallida</i> <i>Lomandra leucocephala</i> subsp. <i>leucocephala</i> <i>Panicum effusum</i> <i>Passiflora suberosa</i> * <i>Xanthorrhoea latifolia</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>Lophostemon suaveolens</i>									8	2			
<i>Eucalyptus portuensis</i>		10	1						16				
<i>Eucalyptus crebra</i>		3										1	
<i>Acacia disparrima</i> subsp. <i>disparrima</i>										1			

CANOPY COVER DATA (100m TRANSECT)

Canopy Start (m)	Canopy finish (m)	Species	Strata
0	2.5	<i>Lophostemon suaveolens</i>	T2
2.5	7.5	<i>Eucalyptus portuensis</i>	T1
6	11	<i>Lophostemon suaveolens</i>	T2
10	20	<i>Eucalyptus portuensis</i>	T1
21	42	<i>Eucalyptus portuensis</i>	T1
44	56	<i>Eucalyptus portuensis</i>	T1
60	91	<i>Eucalyptus portuensis</i>	T1
87	97	<i>Lophostemon confertus</i>	T1
93	100	<i>Jagera pseudorhus</i> var. <i>pseudorhus</i>	T2

REFERENCE SITE FOR 8.11.8a

SITE NUMBER	42		
LEVEL	2		
DETAIL SP. LIST	Y		
REGIONAL ECOSYSTEM	8.11.8a		
DATE	22/09/2010		
RECORDER	David Francis & Julia Olsen		
LOCALITY	Great Keppel Island		
SITE DESCRIPTION	<i>Corymbia citriodora</i> closed forest		
GENERAL NOTES	Colluvial fan at the toe of slopes		
COMMUNITY AREA (ha)	20-50	COMMUNITY WIDTH (m)	75-150
MAPPED (Current RE)	8.11.3a	REFERENCE SITE	Y
LANDFORM			
Situation	B	Element	VLF
Eros pattern	LP	Pattern	ALP
SLOPE			
Type	F	Slope (%)	1-3
Aspect (°)			
SOILS			
Source	S	Reliability	H
Code	K	Add data	-
ISB/MU	-	Colour	Dark Brown
Texture	Sandy Clay		
GEOLOGY			
Source	M	Reliability	Low
Code	B	Map Unit	Qa
SPECHT STRUCTURE CODE	Closed Forest		
GROUND (%)			
Litter	10	Rock	0
Bare ground	0	Cryptophyte	0
Vegetation	90		
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 (#)	N	Ringbarking /Thinning (#)	N
Grazing	N	Feral Digging	N
Weeds (% Cover)	1%	Remnant	Y
Erosion (Type/Severity)	0		

SITE NUMBER		42				continued	
STRUCTURAL SUMMARY							
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species			
Emergent	-	-	-	-			
Tree 1	15-25	18	93	<i>Corymbia citriodora</i> subsp. <i>citriodora</i> <i>Corymbia clarksoniana</i> <i>Eucalyptus platyphylla</i> <i>Eucalyptus tereticornis</i>			
Tree 2	3-7	5	12.5	<i>Acacia disparrima</i> subsp. <i>disparrima</i> <i>Acacia leiocalyx</i> subsp. <i>leiocalyx</i> <i>Corymbia citriodora</i> subsp. <i>citriodora</i> <i>Planchonia careya</i>			
Tree 3	-	-	-	-			
Shrub 1	1-2	2	-	<i>Acacia disparrima</i> subsp. <i>disparrima</i> <i>Corymbia citriodora</i> subsp. <i>citriodora</i>			
Shrub 2	-	-	-	-			

Ground	0-0.5	0.5	-	<i>Arundinella nepalensis</i> <i>Cissus oblonga</i> <i>Clematocissus opaca</i> <i>Cyanthillium cinereum</i> <i>Desmodium rhytidophyllum</i> <i>Dianella rara</i> <i>Enteropogon unispiceus</i> <i>Gahnia aspera</i> <i>Hybanthus stellarioides</i> <i>Imperata cylindrica</i> <i>Lomandra confertifolia</i> subsp. <i>pallida</i> <i>Murdannia graminea</i> <i>Oplismenus aemulus</i> <i>Passiflora suberosa</i> * <i>Phyllanthus virgatus</i> <i>Sida cordifolia</i> * <i>Tetragium nitens</i> <i>Trema tomentosa</i> (seedling) <i>Triumfetta rhomboidea</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 citriodora</i> subsp. <i>citriodora</i>		7							2	2		4	
<i>Corymbia clarksoniana</i>		4							4				
<i>Eucalyptus platyphylla</i>		1							1				
<i>Acacia disparrima</i> subsp. <i>disparrima</i>										6		1	
<i>Planchonia careya</i>			1										
<i>Eucalyptus tereticornis</i>		1											
<i>Acacia leiocalyx</i> subsp. <i>leiocalyx</i>										1	1		

CANOPY COVER DATA (100m TRANSECT)			
Canopy Start (m)	Canopy finish (m)	Species	Strata
0	5.5	<i>Eucalyptus platyphylla</i>	T1
5.5	15.5	<i>Corymbia citriodora</i> subsp. <i>citriodora</i>	T1
20	29.5	<i>Corymbia citriodora</i> subsp. <i>citriodora</i>	T1
29.5	38	<i>Acacia disparrima</i> subsp. <i>disparrima</i>	T2
32	53	<i>Corymbia clarksoniana</i>	T1
41.5	45.5	<i>Acacia disparrima</i> subsp. <i>disparrima</i>	T2
55	57	<i>Corymbia clarksoniana</i>	T1
57	100	<i>Corymbia citriodora</i> subsp. <i>citriodora</i>	T1
61	63	<i>Corymbia clarksoniana</i>	T1

SITE NUMBER	46A	
LEVEL	2	
DETAIL SP. LIST	Y	
REGIONAL ECOSYSTEM	8.2.8a	
DATE	22/09/2010	
RECORDER	David Francis & Julia Olsen	
LOCALITY	Great Keppel Island	



SITE DESCRIPTION	<i>Eucalyptus portuensis</i> / <i>Lophostemon suaveolens</i> closed forest														
GENERAL NOTES															
COMMUNITY AREA (ha)			20-50			COMMUNITY WIDTH (m)			75-150						
MAPPED (Current RE)			8.11.10/8.12.14x2c			REFERENCE SITE			N						
LANDFORM															
Situation		A		Element		VLF		Eros pattern		UP		Pattern		PLA	
SLOPE															
Type		VG		Slope (%)		1		Aspect (°)		20					
SOILS															
Source	S	Reliability	H	Code	A	Add data	-	ISB/MU	-	Colour	Brown	Texture	Sand		
GEOLOGY															
Source	I	Reliability	Low	Code	B	Map Unit	Qa								
SPECHT STRUCTURE CODE								Closed Forest							
GROUND (%)															
Litter	5	Rock	0	Bare ground	0	Cryptophyte	0	Vegetation	85						
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 (#)		N		Ringbarking /Thinning (#)		N									
Grazing		N		Feral Digging		N									
Weeds (% Cover)		3%		Remnant		Y									
Erosion (Type/Severity)		0													

SITE NUMBER		46A				continued	
STRUCTURAL SUMMARY							
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species			
Emergent	-	-	-	-			
Tree 1	8-14	10	74	Corymbia clarksoniana Corymbia tessellaris Eucalyptus portuensis Lophostemon suaveolens			
Tree 2	3-7	5	15	Acacia disparrima subsp. disparrima Allocasuarina littoralis Alphitonia excelsa Drypetes deplanchei Planchonia careya			
Tree 3	-	-	-	-			
Shrub 1	1-2	1.5		Acacia disparrima subsp. disparrima Alphitonia excelsa			

Shrub 2	-	-	-	-
Ground	0-0.5	0.5	-	<i>Cryptostegia grandiflora</i> <i>Enteropogon unispiceus</i> <i>Eriachne pallescens</i> <i>Eustrephus latifolius</i> <i>Imperata cylindrica</i> <i>Oplismenus aemulus</i> <i>Paspalidium gracile</i> <i>Passiflora suberosa*</i> <i>Sida cordifolia*</i> <i>Stephania japonica</i> var. <i>discolour</i> <i>Triumfetta rhomboides</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>Eucalyptus portuensis</i>		2							1				
<i>Corymbia tessellaris</i>		1							2				
<i>Allocasuarina littoralis</i>										1			
<i>Corymbia clarksoniana</i>		2											
<i>Lophostemon suaveolens</i>		1							2				
<i>Planchonia careya</i>										2			
<i>Alphitonia excelsa</i>										5		10	
<i>Drypetes deplanchei</i>												2	
<i>Acacia leiocalyx</i> subsp. <i>Leiocalyx</i>												6	

CANOPY COVER DATA (100m TRANSECT)

Canopy Start (m)	Canopy finish (m)	Species	Strata
0	4.5	<i>Lophostemon suaveolens</i>	T1
6.5	8.5	<i>Allocasuarina littoralis</i>	T2
11	16	<i>Alphitonia excelsa</i>	T2
11	26	<i>Corymbia clarksoniana</i>	T1
30	35.5	<i>Corymbia tessellaris</i>	T1
47	55	<i>Lophostemon suaveolens</i>	T1
54.5	66	<i>Corymbia clarksoniana</i>	T1
57.5	60	<i>Planchonia careya</i>	T2
62.5	66.5	<i>Acacia disparrima</i> subsp. <i>disparrima</i>	T2
66	78	<i>Corymbia tessellaris</i>	T1
70.5	72	<i>Alphitonia excelsa</i>	T2
78	83	<i>Corymbia clarksoniana</i>	T1
87.5	96	<i>Lophostemon suaveolens</i>	T1
96	100	<i>Corymbia clarksoniana</i>	T1

Tertiary Site

SITE NUMBER	46B		
LEVEL	3		
DETAIL SP. LIST	Y		
REGIONAL ECOSYSTEM	8.2.8a		
DATE	23/09/2010		
RECORDER	David Francis & Julia Olsen		
LOCALITY	Great Keppel Island		
SITE DESCRIPTION <i>Corymbia clarksoniana</i> open forest			
GENERAL NOTES			
COMMUNITY AREA (ha)	20-50	COMMUNITY WIDTH (m)	75-150
MAPPED (Current RE)	8.11.10/8.12.14x2c	REFERENCE SITE	N
LANDFORM			
Situation	F	Element	HSL
Eros pattern	GE	Pattern	HIL
SLOPE			
Type	M	Slope (%)	5
Aspect (°)	20		
SOILS			
Source	S	Reliability	M
Code	A	Add data	-
ISB/MU	-	Colour	Orange Brown
Texture	Sand		
GEOLOGY			
Source	M	Reliability	L
Code	K	Map Unit	Ccs
SPECHT STRUCTURE CODE Open Forest			
GROUND (%)			
Litter	10	Rock	0
Bare ground	0	Cryptophyte	0
Vegetation	90		
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 (#)	N	Ringbarking /Thinning (#)	N
Grazing	N	Feral Digging	N
Weeds (% Cover)	5%	Remnant	Y
Erosion (Type/Severity)	0		

SITE NUMBER		46B			continued
STRUCTURAL SUMMARY					
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species	
Emergent	-	-	-	-	
Tree 1				<i>Corymbia clarksoniana</i>	
Tree 2				<i>Acacia julifera</i> subsp. <i>julifera</i> <i>Acronychia laevis</i> <i>Allocasuarina littoralis</i> <i>Alphitonia excelsa</i> <i>Banksia integrifolia</i> subsp. <i>compare</i>	
Tree 3	-	-	-	-	
Shrub 1	0.5-1.5	0.8	-	<i>Lithomyrtus obtusa</i>	
Shrub 2	-	-	-	-	
Ground	0-0.5	0.5	-	<i>Abutilon albescens</i> var. <i>australiense</i> <i>Eriachne pallescens</i> <i>Lomandra leucocephala</i> subsp. <i>leucocephala</i> <i>Triumfetta rhomboidea</i>	

[illegible]

SITE NUMBER	48												
LEVEL	2												
DETAIL SP. LIST	Y												
REGIONAL ECOSYSTEM	Non-rem 8.2.7b												
DATE	23/09/2010												
RECORDER	David Francis & Julia Olsen												
LOCALITY	Great Keppel Island												
SITE DESCRIPTION		Corymbia clarksoniana open forest											
GENERAL NOTES													
COMMUNITY AREA (ha)		20-50				COMMUNITY WIDTH (m)		75-150					
MAPPED (Current RE)		8.3.13c				REFERENCE SITE		n					
LANDFORM													
Situation	A		Element	PLA		Eros pattern	UP		Pattern	PLA			
SLOPE													
Type	F		Slope (%)	0		Aspect (°)	60						
SOILS													
Source	S	Reliability	M	Code	A	Add data	-	ISB/MU	-	Colour	Dark Brown	Texture	Sand
GEOLOGY													
Source	M		Reliability	Low		Code	B		Map Unit	Qa			
SPECHT STRUCTURE CODE						Open Forest							
GROUND (%)													
Litter	0		Rock	0		Bare ground	0		Cryptophyte	0		Vegetation	100
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 (#)		N				Ringbarking /Thinning (#)		N					
Grazing		N				Feral Digging		N					
Weeds (% Cover)		5%				Remnant		Y					
Erosion (Type/Severity)		0											

SITE NUMBER		48			continued	
STRUCTURAL SUMMARY						
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species		
Emergent	-	-	-	-		
Tree 1	9-17	10	40.5	<i>Banksia integrifolia</i> subsp. <i>compare</i> <i>Corymbia clarksoniana</i> <i>Corymbia tessellaris</i> <i>Eucalyptus crebra</i> <i>Melaleuca dealbata</i>		
Tree 2	3-7	5	25	<i>Acacia disparrima</i> subsp. <i>disparrima</i> <i>Acacia leiocalyx</i> subsp. <i>leiocalyx</i> <i>Alphitonia excelsa</i> <i>Drypetes deplanchei</i> <i>Glochidion lobocarpum</i> <i>Planchonia careya</i>		
Tree 3	-	-	-	-		
Shrub 1	0.5-1.5	1.5		<i>Acacia disparrima</i> subsp. <i>disparrima</i>		

				<i>Alphitonia excelsa</i> <i>Ficus opposita</i> <i>Lantana camara*</i> <i>Wikstroemia indica</i>
Shrub 2	-	-	-	-
Ground	0-0.5	0.5	-	<i>Abutilon albescens</i> var. <i>australiense</i> <i>Ageratum conyzoides</i> subsp. <i>conyzoides</i> <i>Cenchrus ciliaris*</i> <i>Cyanthillium cinereum</i> <i>Panicum effusum</i> <i>Passiflora suberosa*</i> <i>Sida cordifolia*</i> <i>Stephania japonica</i> var. <i>discolor</i> <i>Triumfetta rhomboides</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>Corymbia clarksoniana</i>													
<i>Banksia integrifolia</i> subsp. <i>compare</i>		2							1				
<i>Acacia leiocalyx</i> subsp. <i>leiocalyx</i>												2	
<i>Melaleuca dealbata</i>		1							1	21			
<i>Planchonia careya</i>													
<i>Acacia disparrima</i> subsp. <i>Disparrima</i>		2											
<i>Eucalyptus platyphylla</i>		1											
<i>Eucalyptus crebra</i>		2											
<i>Lantana camara*</i>												4	
<i>Ficus opposita</i>												1	
<i>Alphitonia excelsa</i>												2	
<i>Mallotus discolor</i>										1			
<i>Drypetes deplanchei</i>												2	

CANOPY COVER DATA (100m TRANSECT)

Canopy Start (m)	Canopy finish (m)	Species	Strata
0	9.5	<i>Ficus opposita</i>	T1
5.5	6	<i>Drypetes deplanchei</i>	T2
8.5	11.5	<i>Mallotus discolor</i>	T2
31.5	36	<i>Acacia disparrima</i> subsp. <i>disparrima</i>	T2
32	37.5	<i>Acacia leiocalyx</i> subsp. <i>leiocalyx</i>	T1
47.5	50	<i>Acacia disparrima</i> subsp. <i>disparrima</i>	T2
45	50	<i>Corymbia clarksoniana</i>	T1
53	56	<i>Corymbia tessellaris</i>	T2
57.5	60	<i>Acacia disparrima</i> subsp. <i>disparrima</i>	T2
60	63.5	<i>Alphitonia excelsa</i>	T2

60	70.5	<i>Corymbia tessellaris</i>	T1
63	63.5	<i>Planchonia careya</i>	T2
72	74	<i>Acacia disparrima</i> subsp. <i>disparrima</i>	T2
79	83.5	<i>Corymbia clarksoniana</i>	T1
89	90	<i>Corymbia tessellaris</i>	T1
95.5	100	<i>Corymbia clarksoniana</i>	T1
95	98	<i>Planchonia careya</i>	T2

Tertiary Site

SITE NUMBER	50												
LEVEL	3												
DETAIL SP. LIST	Y												
REGIONAL ECOSYSTEM	Non-rem												
DATE	23/09/2010												
RECORDER	David Francis & Julia Olsen												
LOCALITY	Great Keppel Island												
SITE DESCRIPTION	Open Grassy Paddock												
GENERAL NOTES													
COMMUNITY AREA (ha)			C			COMMUNITY WIDTH (m)			E				
MAPPED (Current RE)			Non-remnant			REFERENCE SITE			N				
LANDFORM													
Situation	A		Element	PLA		Eros pattern	UP		Pattern	PLA			
SLOPE													
Type	F		Slope (%)	0		Aspect (°)	50						
SOILS													
Source	I	Reliability	L	Code	A	Add data	-	ISB/MU	-	Colour	Brown	Texture	Sand
GEOLOGY													
Source	I	Reliability	L	Code	B			Map Unit	Qa				
SPECHT STRUCTURE CODE						Tussock Grassland							
GROUND (%)													
Litter	0	Rock	0	Bare ground	0	Cryptophyte	0	Vegetation	100				
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 (#)		Y		Ringbarking /Thinning (#)		N							
Grazing		N		Feral Digging		N							
Weeds (% Cover)		95%		Remnant		N							
Erosion (Type/Severity)		0											

SITE NUMBER		50			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	0-0.5	0.5	-	<i>Ageratum conyzoides subsp. Conyzoides*</i> <i>Bidens bipinnata*</i> <i>Cenchrus ciliaris*</i> <i>Chamaecrista rotundifolia*</i> <i>Chloris aavana*</i>	

				<i>Cynodon dactylon</i> * <i>Epaltes australis</i> <i>Heteropogon contortus</i> <i>Malvastrum americanum</i> * <i>Sida cordifolia</i> * <i>Sida rhombifolia</i> * <i>Sida hakettiana</i> <i>Spermacoce remota</i> * <i>Stylosanthes humilis</i> *
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Tertiary Site

SITE NUMBER	53		
LEVEL	3		
DETAIL SP. LIST	Y		
REGIONAL ECOSYSTEM	8.11.8a		
DATE	23/09/2010		
RECORDER	David Francis & Julia Olsen		
LOCALITY	Great Keppel Island		
SITE DESCRIPTION <i>Eucalyptus crebra</i> windswept low forest on rock			
GENERAL NOTES			
COMMUNITY AREA (ha)	F	COMMUNITY WIDTH (m)	E
MAPPED (Current RE)	8.11.3a	REFERENCE SITE	
LANDFORM			
Situation	F	Element	HSL
Eros pattern	SH	Pattern	HIL
SLOPE			
Type	R	Slope (%)	30
Aspect (°)	0		
SOILS			
Source	I	Reliability	L
Code	A/K	Add data	-
ISB/MU	-	Colour	Brown
Texture	Sandy Clay		
GEOLOGY			
Source	I	Reliability	L
Code	K	Map Unit	Ccs
SPECHT STRUCTURE CODE			
GROUND (%)			
Litter	0	Rock	10
Bare ground	0	Cryptophyte	0
Vegetation	90		
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 (#)	N	Ringbarking /Thinning (#)	N
Grazing	N	Feral Digging	N
Weeds (% Cover)	<1%	Remnant	Y
Erosion (Type/Severity)	0		

SITE NUMBER		53			continued
STRUCTURAL SUMMARY					
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species	
Emergent	-	-	-	-	
Tree 1				<i>Eucalyptus crebra</i> <i>Eucalyptus exserta</i> <i>Melaleuca nervosa</i>	
Tree 2	4-7	5		<i>Acacia leiocalyx subsp. leiocalyx</i> <i>Jacksonia scoparia</i> <i>Alphitonia excelsa</i>	
Tree 3	-	-	-	-	
Shrub 1	-	-	-	-	
Shrub 2	-	-	-	-	
Ground	0-0.5	0.5	-	<i>Brunoniella australis</i> <i>Cyanthillium cinereum</i> <i>Enteropogon unispiceus</i> <i>Eriachne pallescens</i> <i>Paspalidium gracile</i>	

				<i>Pterocaulon redolens</i> <i>Sida cordifolia</i> * <i>Triumfetta rhomboidea</i> <i>Xanthorrhoea latifolia</i>
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SITE NUMBER	56												
LEVEL	2												
DETAIL SP. LIST	Y												
REGIONAL ECOSYSTEM	8.2.8a												
DATE	23/09/2010												
RECORDER	David Francis & Julia Olsen												
LOCALITY	Great Keppel Island												
SITE DESCRIPTION		<i>Lophostemon suaveolens</i> / <i>Eucalyptus portuensis</i> open forest											
GENERAL NOTES													
COMMUNITY AREA (ha)		D				COMMUNITY WIDTH (m)		B					
MAPPED (Current RE)		8.11.10/8.12.14x2c				REFERENCE SITE		N					
LANDFORM													
Situation	A		Element	BAN		Eros pattern	UP		Pattern	ALP			
SLOPE													
Type	V		Slope (%)	3		Aspect (°)	290						
SOILS													
Source	S	Reliability	M	Code	A/K	Add data	-	ISB/MU	-	Colour	Dark Brown	Texture	Sandy Clay
GEOLOGY													
Source	M		Reliability	L		Code	K		Map Unit	Ccs			
SPECHT STRUCTURE CODE						Open Forest							
GROUND (%)													
Litter	15	Rock	0	Bare ground	0	Cryptophyte	0	Vegetation	85				
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		0				Feral Digging		0					
Weeds (% Cover)		<5%				Remnant							
Erosion (Type/Severity)		0											

SITE NUMBER		56			continued
STRUCTURAL SUMMARY					
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species	
Emergent	-	-	-	-	
Tree 1	10-16	15	46.5	Corymbia citriodora subsp. citriodora Eucalyptus moluccana Eucalyptus platyphylla Eucalyptus portuensis Lophostemon suaveolens Melaleuca quinquenervia	
Tree 2	3-7	5	90	Acacia disparrima subsp. disparrima Alphitonia excelsa Drypetes deplanchei Glochidion lobocarpum Planchonia careya Pouteria sericea	

Tree 3	-	-	-	-
Shrub 1			-	<i>Alyxia ruscifolia</i> <i>Breynia oblongifolia</i>
Shrub 2	-	-	-	<i>Lantana camara</i> *
Ground	0-0.5	0.5	-	<i>Ageratum houstonianum</i> * <i>Arundinella nepalensis</i> <i>Clematocissus opaca</i> <i>Geitonoplesium cymosum</i> <i>Gahnia aspera</i> <i>Hybanthus stellarioides</i> <i>Imperata cylindrica</i> <i>Lomandra confertifolia</i> subsp. <i>pallida</i> <i>Melinis minutiflora</i> * <i>Pandorea pandorana</i> <i>Stephania japonica</i> <i>Triumfetta rhomboides</i> <i>Vernonia cinerea</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>Corymbia tessellaris</i>		2							1				
<i>Lophostemon suaveolens</i>		6	2						7	2			
<i>Eucalyptus portuensis</i>		2							2				
<i>Corymbia citriodora</i> subsp. <i>citriodora</i>		1											
<i>Corymbia clarksoniana</i>			1						3	1			
<i>Alphitonia excelsa</i>										17		11	2
<i>Alphitonia dispurpureum</i>									2	3		1	1
<i>Drypetes deplanchei</i>										2		1	
<i>Melaleuca quinquenervia</i>		1							1				
<i>Lophostemon confertus</i>		1							2				
<i>Planchonia careya</i>			1							3			
<i>Lantana camara</i>												2	2
<i>Ficus opposita</i>													1

CANOPY COVER DATA (100m TRANSECT)			
Canopy Start (m)	Canopy finish (m)	Species	Strata
0	1	<i>Drypetes deplanchei</i>	
0	1.5	<i>Alphitonia excelsa</i>	
1.5	12.5	<i>Lophostemon suaveolens</i>	
4	15.5	<i>Alphitonia excelsa</i>	
14	20.5	<i>Eucalyptus portuensis</i>	
14	19	<i>Acacia disparrima</i> subsp. <i>disparrima</i>	
19	23.5	<i>Lophostemon suaveolens</i>	
20	28	<i>Alphitonia excelsa</i>	
20.5	26	<i>Corymbia tessellaris</i>	
24.5	40	<i>Eucalyptus portuensis</i>	

26.5	28	<i>Eucalyptus crebra</i>	
29	33.5	<i>Acacia disparrima subsp. disparrima</i>	
34	100	<i>Lophostemon suaveolens</i>	
36	37.5	<i>Planchonia careya</i>	
44	47	<i>Planchonia careya</i>	
61	63	<i>Eucalyptus portuensis</i>	
75	81	<i>Corymbia clarksoniana</i>	

Tertiary Site REFERENCE SITE FOR 8.1.2

SITE NUMBER	59												
LEVEL	3												
DETAIL SP. LIST	Y												
REGIONAL ECOSYSTEM	8.1.2												
DATE	23/09/2010												
RECORDER	David Francis & Julia Olsen												
LOCALITY	Great Keppel Island												
SITE DESCRIPTION		Saltpan tidal mudflats.											
GENERAL NOTES													
COMMUNITY AREA (ha)		D			COMMUNITY WIDTH (m)		B						
MAPPED (Current RE)		8.1.2			REFERENCE SITE		Y						
LANDFORM													
Situation	V	Element	TDF	Eros pattern	LP	Pattern	TID						
SLOPE													
Type	V	Slope (%)	<1%			Aspect (°)	-						
SOILS													
Source	S	Reliability	M	Code	E	Add data	-	ISB/MU	-	Colour	F	Texture	I
GEOLOGY													
Source	O	Reliability	L	Code	K			Map Unit	Ccs				
SPECHT STRUCTURE CODE				Open Sedgeland									
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	1								
Logging (#)	N			Ringbarking /Thinning (#)	N								
Grazing	N			Feral Digging	N								
Weeds (% Cover)	0			Remnant									
Erosion (Type/Severity)	0												

SITE NUMBER		59				continued	
STRUCTURAL SUMMARY							
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species			
Emergent	-	-	-	-			
Tree 1	-	-	-	<i>Melaleuca nervosa</i> <i>Aegiceras corniculatum</i> Out of Plot <i>Avicinna marina</i> <i>Excoecaria agallocha</i>			
Tree 2	-	-	-	-			
Tree 3	-	-	-	-			
Shrub 1	-	-	-	-			
Shrub 2	-	-	-	-			

Ground				<i>Ceriops tagal</i> <i>Epaltes australis</i> <i>Fimbristylis ferruginea</i> <i>Juncus kraussii</i> subsp. <i>australiensis</i> <i>Sarcocornia quinqueflora</i> <i>Schenkia australis</i> <i>Sporobolus virginicus</i> Out of Plot <i>Crinum flaccidum</i>
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REFERENCE SITE FOR 8.11.8b

SITE NUMBER	60		
LEVEL	2		
DETAIL SP. LIST	Y		
REGIONAL ECOSYSTEM	8.11.8b		
DATE	23/09/2010		
RECORDER	David Francis & Julia Olsen		
LOCALITY	Great Keppel Island		
SITE DESCRIPTION	<i>Eucalyptus moluccana</i> closed forest		
GENERAL NOTES	Soils appear colluvial in origin		
COMMUNITY AREA (ha)	20-50	COMMUNITY WIDTH (m)	75-150
MAPPED (Current RE)	8.11.3a	REFERENCE SITE	Y
LANDFORM			
Situation	A	Element	PLA
Eros pattern	LP	Pattern	PLA
SLOPE			
Type	F	Slope (%)	1
Aspect (°)	300		
SOILS			
Source	S	Reliability	M
Code	N	Add data	-
ISB/MU	-	Colour	Dark Brown
Texture	Sandy Clay		
GEOLOGY			
Source	M	Reliability	L
Code	B	Map Unit	Qa
SPECHT STRUCTURE CODE	Closed Forest		
GROUND (%)			
Litter	35	Rock	0
Bare ground	5	Cryptophyte	0
Vegetation	60		
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 (#)	N	Ringbarking /Thinning (#)	N
Grazing	N	Feral Digging	N
Weeds (% Cover)	3%	Remnant	Y
Erosion (Type/Severity)	3/3		

SITE NUMBER		60	continued	
STRUCTURAL SUMMARY				
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species
Emergent	-	-	-	-
Tree 1	9-20	14	97	<i>Eucalyptus moluccana</i>
Tree 2	5-8	6		<i>Eucalyptus moluccana</i>
Tree 3	-	-	-	-
Shrub 1	0.5-2	1	-	<i>Alphitonia excelsa</i> <i>Eucalyptus moluccana</i> <i>Opuntia stricta</i> *
Shrub 2	-	-	-	-
Ground	0-0.5	0.5	-	<i>Achyranthes aspera</i> <i>Brunoniella australis</i> <i>Cenchrus ciliaris</i> * <i>Cyanthillium cinereum</i> <i>Enteropogon unispiceus</i>

															<i>Eriachne pallescens</i> <i>Heteropogon contortus</i> <i>Leptochloa decipiens subsp. decipiens</i> <i>Megathyrsus maximus</i> * <i>Opuntia stricta</i> * <i>Passiflora suberosa</i> * <i>Stachytarpheta jamaicensis</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>Eucalyptus moluccana</i>		11	3						7	13		4			
<i>Alphitonia excelsa</i>												1			
<i>Opuntia stricta</i> *												4			

CANOPY COVER DATA (100m TRANSECT)			
Canopy Start (m)	Canopy finish (m)	Species	Strata
0	51.5	<i>Eucalyptus moluccana</i>	T1
50	59	Stag	T1
59	97	<i>Eucalyptus moluccana</i>	T1

REFERENCE SITE FOR 8.11.8a

SITE NUMBER	61
LEVEL	2
DETAIL SP. LIST	Y
REGIONAL ECOSYSTEM	8.11.8a
DATE	23/09/2010
RECORDER	David Francis & Julia Olsen
LOCALITY	Great Keppel Island



SITE DESCRIPTION	<i>Eucalyptus crebra</i> closed forest on upper rocky hillside												
GENERAL NOTES													
COMMUNITY AREA (ha)	20-50				COMMUNITY WIDTH (m)	75-150							
MAPPED (Current RE)	8.11.3a				REFERENCE SITE	Y							
LANDFORM													
Situation	F		Element	SH		Eros pattern	UH		Pattern	HIL			
SLOPE													
Type	U		Slope (%)	35		Aspect (°)	80						
SOILS													
Source	S	Reliability	M	Code	N	Add data	-	ISB/MU	-	Colour	Brown	Texture	Sandy Clay
GEOLOGY													
Source	M		Reliability	L		Code	K		Map Unit	Ccs			
SPECHT STRUCTURE CODE	Low Closed Forest												
GROUND (%)													
Litter	10		Rock	5		Bare ground	0		Cryptophyte	0		Vegetation	85
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 (#)	N				Ringbarking /Thinning (#)	N							
Grazing	N				Feral Digging	N							
Weeds (% Cover)	5				Remnant	Y							
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	3-8	5	72.5	<i>Acacia disparrima</i> subsp. <i>disparrima</i> <i>Acacia leiocalyx</i> subsp. <i>leiocalyx</i> <i>Corymbia clarksoniana</i> <i>Eucalyptus crebra</i> <i>Eucalyptus drepanophylla</i> <i>Eucalyptus portuensis</i> <i>Lophostemon confertus</i>	
Tree 2	-	-	-	-	
Tree 3	-	-	-	-	
Shrub 1	1.5-3	1.5	-	<i>Jacksonia scoparia</i>	
Shrub 2	0-1	1	-	<i>Xanthorrhoea latifolia</i>	

Ground	0-0.5	0.5				-	<i>Arundinella nepalensis</i> <i>Brunoniella australis</i> <i>Cymbopogon bombycinus</i> <i>Dianella rara</i> <i>Eremochloa bimaculata</i> <i>Indigofera pratensis</i> <i>Lepidosperma laterale</i> var. <i>laterale</i> <i>Lomandra confertifolia</i> subsp. <i>pallida</i> <i>Periplura diffusa</i> <i>Glycine tabacina</i> <i>Tephrosia filipes</i> subsp. <i>filipes</i> <i>Xanthorrhoea latifolia</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>Eucalyptus fibrosa</i>		1							3					
<i>Eucalyptus crebra</i>		10							4					
<i>Eucalyptus portuensis</i>		2							5					
<i>Lophostemon confertus</i>		3							5					
<i>Corymbia clarksoniana</i>									1	1				
<i>Acacia disparrima</i> subsp. <i>disparrima</i>														
<i>Grevillea banksii</i>									1			1	1	
<i>Jacksonia scoparia</i>												2		
<i>Acacia leiocalyx</i> subsp. <i>leiocalyx</i>														
<i>Alphitonia excelsa</i>										1		6		

CANOPY COVER DATA (100m TRANSECT)			
Canopy Start (m)	Canopy finish (m)	Species	Strata
0	6	<i>Eucalyptus drepanophylla</i>	T1
15	20	<i>Eucalyptus drepanophylla</i>	T1
22	23	<i>Eucalyptus drepanophylla</i>	T1
24.5	26	<i>Lophostemon confertus</i>	T1
26	40	<i>Eucalyptus drepanophylla</i>	T1
31	40	<i>Lophostemon confertus</i>	T1
40.5	43	<i>Acacia leiocalyx</i> subsp. <i>leiocalyx</i>	T2
40	46	<i>Eucalyptus drepanophylla</i>	T1
46	53.5	<i>Lophostemon confertus</i>	T1
58	64	<i>Eucalyptus crebra</i>	T1
62	66	<i>Lophostemon confertus</i>	T1
67	72.5	<i>Lophostemon confertus</i>	T1
72.5	77	<i>Eucalyptus drepanophylla</i>	T1
75.5	76	<i>Acacia leiocalyx</i> subsp. <i>leiocalyx</i>	T1
79	84.5	<i>Eucalyptus drepanophylla</i>	T1

80	81	<i>Lophostemon confertus</i>	T1
83	84	<i>Lophostemon confertus</i>	T1
86.5	90	<i>Eucalyptus portuensis</i>	T1
91.5	96.5	<i>Lophostemon confertus</i>	T1
97	100	<i>Eucalyptus portuensis</i>	T1

SITE NUMBER	88						
LEVEL	2						
DETAIL SP. LIST	Y						
REGIONAL ECOSYSTEM	Non-rem 8.2.8a						
DATE	24/09/2010						
RECORDER	David Francis & Julia Olsen						
LOCALITY	Great Keppel Island						
SITE DESCRIPTION <i>Corymbia clarksoniana</i> open forest							
GENERAL NOTES							
COMMUNITY AREA (ha)	20-50	COMMUNITY WIDTH (m) 75-150					
MAPPED (Current RE)	8.2.8a	REFERENCE SITE N					
LANDFORM							
Situation	A	Element PLA	Eros pattern GP	Pattern PLA			
SLOPE							
Type	M	Slope (%) 5	Aspect (°) 0				
SOILS							
Source	S	Reliability M	Code A	Add data -	ISB/MU -	Colour Brown	Texture Sand
GEOLOGY							
Source	M	Reliability M	Code O	Map Unit Qhcd			
SPECHT STRUCTURE CODE					Open Forest		
GROUND (%)							
Litter	60	Rock 0	Bare ground 0	Cryptophyte F	Vegetation 40		
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 (#)	Y	Ringbarking /Thinning (#)	N				
Grazing	N	Feral Digging	N				
Weeds (% Cover)	<1%	Remnant	Y				
Erosion (Type/Severity)	0						

SITE NUMBER		88			continued	
STRUCTURAL SUMMARY						
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species		
Emergent	-	-	-	-		
Tree 1	10-16	13	26.5	Alphitonia excelsa Banksia integrifolia subsp. compar Corymbia clarksoniana		
Tree 2	3-8	5	54.5	Acacia julifera subsp. julifera Allocasuarina littoralis Alphitonia excelsa Planchonia careya		
Tree 3	-	-	-	-		
Shrub 1	1-1.5	1	-	Alphitonia excelsa Lithomyrtus obtusa Opuntia stricta*		

Shrub 2	0.5-1	0.5	-	Breynia oblongifolia									
Ground	0-0.5	0.5	-	Amyema conspicua subsp. conspicua Clematicissus opaca Eriachne pallescens Imperata cylindrica Megathyrsus maximus* Passiflora suberosa*									
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
Acacia julifera subsp. julifera			1							2			
Corymbia clarksoniana		2							1	2			
Banksia integrifolia subsp. compar			1							4			
Planchonia careya										6			
Alphitonia excelsa			6							27			2
Allocasuarina littoralis			1							11		1	1
Lithomyrtus obtusa												1	1
Breynia oblongifolia													1
Grevillea banksii												1	
Opuntia stricta*												1	1
Ficus opposita										1			
Acacia leiocalyx subsp. leiocalyx										1			

CANOPY COVER DATA (100m TRANSECT)			
Canopy Start (m)	Canopy finish (m)	Species	Strata
0	2	<i>Alphitonia excelsa</i>	T2
4	9	<i>Alphitonia excelsa</i>	T2
9.5	16.5	<i>Planchonia careya</i>	T2
10	20	<i>Corymbia clarksoniana</i>	T1
15.5	18	<i>Allocasuarina littoralis</i>	T2
18	20.5	<i>Alphitonia excelsa</i>	T1
19.5	22.5	<i>Allocasuarina littoralis</i>	T2
23.5	26.5	<i>Alphitonia excelsa</i>	T2
26.5	28.5	<i>Allocasuarina littoralis</i>	T2
29.5	32.5	<i>Alphitonia excelsa</i>	T2
34.5	37.5	<i>Alphitonia excelsa</i>	T2
36.5	39	<i>Planchonia careya</i>	T2
39	42.5	<i>Alphitonia excelsa</i>	T2
45.5	47	<i>Corymbia clarksoniana</i>	T2
48	51	<i>Acacia leiocalyx</i> subsp. <i>leiocalyx</i>	T2
49	51.5	<i>Allocasuarina littoralis</i>	T2

55	56.5	<i>Banksia integrifolia subsp. compar</i>	T2
58.5	67	<i>Corymbia clarksoniana</i>	T1
65	67.5	<i>Alphitonia excelsa</i>	T2
67	68	<i>Allocasuarina littoralis</i>	T2
72.5	77	<i>Alphitonia excelsa</i>	T2
74	76	<i>Allocasuarina littoralis</i>	T2
79	80	<i>Corymbia clarksoniana</i>	T1
80	86	<i>Alphitonia excelsa</i>	T2
82.5	84	<i>Glochidion lobocarpum</i>	T2
87	90	<i>Allocasuarina littoralis</i>	T2
95.5	99.5	<i>Banksia integrifolia subsp. compar</i>	T1
99	100	<i>Allocasuarina littoralis</i>	T1

Tertiary

SITE NUMBER	89
LEVEL	3
DETAIL SP. LIST	Y
REGIONAL ECOSYSTEM	Non-rem 8.2.8a
DATE	24/09/2010
RECORDER	David Francis & Julia Olsen
LOCALITY	Great Keppel Island



SITE DESCRIPTION	Corymbia tessellaris and Acacia julifera open forest												
GENERAL NOTES													
COMMUNITY AREA (ha)	20-50				COMMUNITY WIDTH (m)	75-150							
MAPPED (Current RE)	8.2.8a				REFERENCE SITE	N							
LANDFORM													
Situation	A		Element	PLA		Eros pattern	GP		Pattern	PLA			
SLOPE													
Type	M		Slope (%)	5		Aspect (°)			320				
SOILS													
Source	S	Reliability	M	Code	A	Add data	-	ISB/MU	-	Colour	Brown	Texture	Sand
GEOLOGY													
Source	M		Reliability	L		Code	F		Map Unit	Qchd			
SPECHT STRUCTURE CODE													
GROUND (%)													
Litter	60	Rock	0	Bare ground	0	Cryptophyte	0	Vegetation	40				
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 (#)	Y				Ringbarking /Thinning (#)	N							
Grazing	N				Feral Digging	N							
Weeds (% Cover)	<5%				Remnant	Y							
Erosion (Type/Severity)	0												

SITE NUMBER		89			continued
STRUCTURAL SUMMARY					
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species	
Emergent	-	-	-	-	
Tree 1	6-9	8	-	<i>Corymbia clarksoniana</i>	
Tree 2	3-6	6	-	<i>Acacia julifera</i> subsp. <i>julifera</i> <i>Alphitonia excelsa</i>	
Tree 3	-	-	-	-	
Shrub 1	0.5-0.75	0.75	-	<i>Lithomyrtus obtusa</i> <i>Xanthorrhoea latifolia</i>	
Shrub 2	-	-	-	-	
Ground	0-0.5	0.5	-	<i>Lomandra confertifolia</i> subsp. <i>pallida</i>	

[illegible]

REFERENCE SITE FOR 8.2.6a

SITE NUMBER	98
LEVEL	2
DETAIL SP. LIST	Y
REGIONAL ECOSYSTEM	8.2.6a
DATE	24/09/2010
RECORDER	David Francis & Julia Olsen
LOCALITY	Great Keppel Island



SITE DESCRIPTION	<i>Eucalyptus camaldulensis</i> open forest												
GENERAL NOTES													
COMMUNITY AREA (ha)		20-50			COMMUNITY WIDTH (m)		75-150						
MAPPED (Current RE)		8.2.8a			REFERENCE SITE		Y						
LANDFORM													
Situation	F	Element	FOO	Eros pattern	GP	Pattern	RIS						
SLOPE													
Type	L	Slope (%)	1	Aspect (°)	200								
SOILS													
Source	S	Reliability	M	Code	D	Add data	-	ISB/MU	-	Colour	Brown	Texture	Loamy Sandy Clay
GEOLOGY													
Source	M	Reliability	L	Code	F	Map Unit	Qhcd						
SPECHT STRUCTURE CODE													
Open Forest													
GROUND (%)													
Litter	60	Rock	0	Bare ground	0	Cryptophyte	0	Vegetation	40				
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 (#)	N			Ringbarking /Thinning (#)	N								
Grazing	N			Feral Digging	N								
Weeds (% Cover)	<5%			Remnant	Y								
Erosion (Type/Severity)	0												

SITE NUMBER		98				continued	
STRUCTURAL SUMMARY							
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species			
Emergent	-	-	-	-			
Tree 1	10-16	15	54.5	<i>Corymbia clarksoniana</i> <i>Eucalyptus camaldulensis</i> <i>Eucalyptus tereticornis</i>			
Tree 2	4-10	7	66	<i>Alphitonia excelsa</i> <i>Banksia integrifolia</i> subsp. <i>compar</i> <i>Lophostemon confertus</i> <i>Planchonia careya</i>			
Tree 3	-	-	-	-			
Shrub 1	2-3	3	-	<i>Acronychia laevis</i>			

				<i>Breynia oblongifolia</i> <i>Lantana camara</i> *
Shrub 2	0.5-1	1	-	<i>Opuntia stricta</i> * <i>Xanthorrhoea latifolia</i>
Ground	0-0.5	0.5	-	<i>Cenchrus echinatus</i> * <i>Chamaecrista concinna</i> <i>Dianella caerulea</i> var. <i>protensa</i> <i>Eriachne pallescens</i> <i>Imperata cylindrica</i> <i>Melinis minutiflora</i> * <i>Melinis repens</i> * <i>Neptunia gracilis</i> <i>Oplismenus aemulus</i> <i>Passiflora suberosa</i> * <i>Xanthorrhoea latifolia</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>Eucalyptus tereticornis</i>		1							1				
<i>Eucalyptus camaldulensis</i>		3							2			1	
<i>Lophostemon confertus</i>			5						2	14		2	1
<i>Alphitonia excelsa</i>			1							12		3	2
<i>Lantana camara</i> *												3	
<i>Planchonia careya</i>			3							6			2
<i>Acacia disparrima</i> subsp. <i>disparrima</i>			1							1		1	
<i>Corymbia clarksoniana</i>		2							1	1			
<i>Breynia oblongifolia</i>												20	12
<i>Ficus obliqua</i>			1							1			
<i>Allocasuarina littoralis</i>												3	
<i>Opuntia stricta</i> *												1	
<i>Glochidion lobocarpum</i>												1	

CANOPY COVER DATA (100m TRANSECT)			
Canopy Start (m)	Canopy finish (m)	Species	Strata
0	3	<i>Eucalyptus tereticornis</i>	T1
0	6.5	<i>Lophostemon confertus</i>	T2
2	3.5	<i>Alphitonia excelsa</i>	T2
3.5	5	<i>Planchonia careya</i>	T2
8.5	20	<i>Lophostemon confertus</i>	T2
8.5	15	<i>Eucalyptus camaldulensis</i>	T1
20	20.5	<i>Alphitonia excelsa</i>	T2
21	32	<i>Lophostemon confertus</i>	T2
26.5	38	<i>Eucalyptus camaldulensis</i>	T1
34.5	38	<i>Alphitonia excelsa</i>	T2

44	48	<i>Alphitonia excelsa</i>	T2
43.5	44	<i>Lophostemon confertus</i>	T2
56	58.5	<i>Alphitonia excelsa</i>	T2
59	70.5	<i>Lophostemon confertus</i>	T2
64	69.5	<i>Eucalyptus tereticornis</i>	T1
70	84.5	<i>Eucalyptus camaldulensis</i>	T1
71	77	<i>Lophostemon confertus</i>	T2
84.5	98	<i>Corymbia clarksoniana</i>	T1
86	100	<i>Lophostemon confertus</i>	T2

Tertiary

SITE NUMBER	99	
LEVEL	3	
DETAIL SP. LIST	Y	
REGIONAL ECOSYSTEM	8.11.8a	
DATE	24/09/2010	
RECORDER	David Francis & Julia Olsen	
LOCALITY	Great Keppel Island	
SITE DESCRIPTION <i>Corymbia citriodora</i> open forest		
GENERAL NOTES		
COMMUNITY AREA (ha)	20-50	COMMUNITY WIDTH (m) 75-150
MAPPED (Current RE)	8.2.8a	REFERENCE SITE N
LANDFORM		
Situation	F	Element HSL Eros pattern UL Pattern HIL
SLOPE		
Type	M	Slope (%) 5% Aspect (°) 260
SOILS		
Source S	Reliability M	Code A/K Add data - ISB/MU - Colour Brown Texture Sandy Clay
GEOLOGY		
Source I	Reliability L	Code F Map Unit Qhcd
SPECHT STRUCTURE CODE Open Forest		
GROUND (%)		
Litter 40	Rock 0	Bare ground 20 Cryptophyte 0 Vegetation 40
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 (#)	N	Ringbarking /Thinning (#) N
Grazing	N	Feral Digging N
Weeds (% Cover)	0	Remnant Y
Erosion (Type/Severity)	0	

SITE NUMBER		99			continued
STRUCTURAL SUMMARY					
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species	
Emergent	-	-	-	-	
Tree 1	10-16	15	-	<i>Corymbia citriodora</i> subsp. <i>citriodora</i> <i>Eucalyptus crebra</i> <i>Eucalyptus exserta</i>	
Tree 2	3-5	4	-	<i>Acacia leiocalyx</i> subsp. <i>leiocalyx</i> <i>Alphitonia excelsa</i>	
Tree 3	-	-	-	-	
Shrub 1	0.5-1.5	1	-	<i>Acacia leiocalyx</i> subsp. <i>leiocalyx</i> <i>Breynia oblongifolia</i> <i>Wikstroemia indica</i>	
Shrub 2	-	-	-	-	
Ground	0-0.5	0.5	-	<i>Amyema conspicua</i> subsp. <i>conspicua</i>	

[illegible]

Tertiary

SITE NUMBER	103		
LEVEL	3		
DETAIL SP. LIST	Y		
REGIONAL ECOSYSTEM	8.2.8a		
DATE	24/09/2010		
RECORDER	David Francis & Julia Olsen		
LOCALITY	Great Keppel Island		
SITE DESCRIPTION <i>Corymbia clarksoniana</i> open forest			
GENERAL NOTES			
COMMUNITY AREA (ha)	20-50	COMMUNITY WIDTH (m)	75-150
MAPPED (Current RE)	8.2.8a	REFERENCE SITE	N
LANDFORM			
Situation	F	Element	HSL
Eros pattern	UL	Pattern	HIL
SLOPE			
Type	M	Slope (%)	35
Aspect (°)			
SOILS			
Source	S	Reliability	M
Code	D	Add data	-
ISB/MU	-	Colour	Dark Brown
Texture	Loamy Sand		
GEOLOGY			
Source	M	Reliability	L
Code	F	Map Unit	Qchd
SPECHT STRUCTURE CODE			
GROUND (%)			
Litter	40	Rock	0
Bare ground	0	Cryptophyte	0
Vegetation	60		
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 (#)	Y	Ringbarking /Thinning (#)	N
Grazing	N	Feral Digging	N
Weeds (% Cover)	1%	Remnant	Y
Erosion (Type/Severity)	0		

SITE NUMBER		103			continued
STRUCTURAL SUMMARY					
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species	
Emergent	-	-	-	-	
Tree 1	7-12	8	-	Allocasuarina littoralis Corymbia clarksoniana	
Tree 2	3-5	4	-	Allocasuarina littoralis Banksia integrifolia subsp. compar Grevillea banksii Petalostigma pubescens	
Tree 3	-	-	-	-	
Shrub 1	2-3	2	-	Acacia disparrima subsp. disparrima Acacia julifera subsp. julifera Grevillea banksii Xanthorrhoea latifolia	

[illegible]

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	Corymbia clarksoniana and Melaleuca dealbata 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>	

																<i>Lomandra filiformis</i> <i>Lomandra leucocephala</i> <i>Oplismenus hirtellus</i> <i>Panicum effusum</i> <i>Xanthorrhoea latifolia</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>												7				
<i>Corymbia clarksoniana</i>		1														
<i>Eucalyptus crebra</i>		1											1			
<i>Glochidion lobocarpum</i>												1	1			
<i>Lophostemon confertus</i>		19							20							
<i>Lophostemon suaveolens</i>		1							6							
<i>Melaleuca nervosa</i>									2							

CANOPY COVER DATA (100m TRANSECT)			
Canopy Start (m)	Canopy finish (m)	Species	Strata
0	7.5	<i>Lophostemon confertus</i>	T1
7.5	17.5	<i>Melaleuca nervosa</i>	T1
17	32.5	<i>Lophostemon confertus</i>	T1
34	43.5	<i>Lophostemon confertus</i>	T1
43.5	44	<i>Lophostemon suaveolens</i>	T1
44	88.5	<i>Lophostemon confertus</i>	T1
55	62	<i>Alphitonia excelsa</i>	T1
68	70.5	<i>Lophostemon suaveolens</i>	T1
88	90	<i>Acacia disparrima</i>	T1
96	98	<i>Acacia disparrima</i>	T1

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	Acacia julifera (D) Allocasuarina littoralis (C) Alphitonia excelsa (S)	
Tree 2	1-3	3		Alphitonia excelsa Grevillea banksii	
Tree 3					
Shrub 1	1-1.5	1	3	Alphitonia excelsa	
Shrub 2	0.5-1	0.5		Lithomyrtus obtusa	
Ground/ vines/ epiphytes/ mistletoes				Cenchrus echinatus* Eriachne pallescens Gahnia aspera	

[illegible]

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	Corymbia tessellaris and Corymbia clarksoniana 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	Corymbia clarksoniana (D) Corymbia tessellaris (S)	
Tree 2	4-8	7	55.5	Allocasuarina littoralis (S) Alphitonia excelsa (A) Banksia integrifolia (D) Planchonia careya	
Tree 3					
Shrub 1	1-3	2		Grevillea banksii	
Shrub 2	0.5-1	1		Breyניה oblongifolia Trema tomentosa	
Ground/ vines/ epiphytes/ mistletoes				Abrus precatorius Eriachne pallescens	

															<i>Imperata cylindrica</i> <i>Jasminum didymum</i> <i>Passiflora suberosa</i> * <i>Stachytarpheta jamaicensis</i> * <i>Triumfetta rhomboidea</i> <i>Xanthorrhoea latifolia</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							1			1		
<i>Allocasuarina littoralis</i>										1					
<i>Alphitonia excelsa</i>			3												
<i>Banksia integrifolia</i>			3							12		3	1		
<i>Breynia oblongifolia</i>												4	5		
<i>Corymbia clarksoniana</i>		3							4						
<i>Corymbia tessellaris</i>									1						
<i>Ficus opposita</i>												1			
<i>Grevillea banksii</i>										1		2			
<i>Planchonia careya</i>			1							2		4			
<i>Trema tomentosa</i>															

CANOPY COVER DATA (100m TRANSECT)			
Canopy Start (m)	Canopy finish (m)	Species	Strata
0	2.5	<i>Banksia integrifolia</i>	T2
0	10	<i>Corymbia clarksoniana</i>	T1
0	9.5	<i>Corymbia tessellaris</i>	T1
6.5	11	<i>Banksia integrifolia</i>	T2
11.5	23.5	<i>Alphitonia excelsa</i>	T2
16	27	<i>Corymbia clarksoniana</i>	T1
24	32.5	<i>Banksia integrifolia</i>	T2
28	70	<i>Corymbia clarksoniana</i>	T1
31.5	35.5	<i>Planchonia careya</i>	T2
38.5	39.5	<i>Banksia integrifolia</i>	T2
42	44	<i>Banksia integrifolia</i>	T2
47	50	<i>Banksia integrifolia</i>	T2
50	52.5	<i>Grevillea banksii</i>	T2
59	61.5	<i>Banksia integrifolia</i>	T2
64	67	<i>Allocasuarina littoralis</i>	T2
69.5	78	<i>Allocasuarina littoralis</i>	T2
72.5	75.8	<i>Corymbia clarksoniana</i>	T1
79	82.5	<i>Corymbia clarksoniana</i>	T2
92	100	<i>Corymbia clarksoniana</i>	T1

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	Melaleuca quinquenervia open forest												
GENERAL NOTES													
COMMUNITY AREA (ha)								COMMUNITY WIDTH (m)		Non linear			
MAPPED (Current RE)				8.3.13c				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		
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	Melaleuca quinquenervia	
Tree 2	4-10	8	52	Alphitonia excelsa Planchonia careya Timonius timon	
Tree 3					
Shrub 1	1-3	2		Ficus hispida	
Shrub 2	0.5-1	0.5			
Ground/ vines/ epiphytes/ mistletoes				Baumea juncea Bidens bipinnata* Blechnum indicum Eriachne pallescens	

				<i>Imperata cylindrica</i> <i>Megathyrsus maximus*</i> <i>Melinis minutiflora*</i> <i>Oplismenus hirtellus</i> <i>Pteridium esculentum</i> <i>Stephania japonica</i> <i>Triumfetta rhomboidea</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 disparrima</i>			1									1	
<i>Acacia leiocalyx</i>												1	
<i>Alphitonia excelsa</i>										1		2	1
<i>Banksia integrifolia</i>		2							2	2			
<i>Breynia oblongifolia</i>													2
<i>Clerodendron floribundum</i>												1	
<i>Ficus hispida</i>													
<i>Glochidion sumatranum</i>													1
<i>Melaleuca quinquenervia</i>		13							13				
<i>Pittosporum ferrugineum</i>													2
<i>Planchonia careya</i>										2		2	
<i>Timonius timon</i>									1	2			
<i>Trema tomentosa</i>												3	

CANOPY COVER DATA (100m TRANSECT)

Canopy Start (m)	Canopy finish (m)	Species	Strata
0	2.5	<i>Banksia integrifolia</i>	T1
0	5	<i>Melaleuca quinquenervia</i>	T1
3	4	<i>Planchonia careya</i>	T2
9.5	39.5	<i>Melaleuca quinquenervia</i>	T1
10.5	15.5	<i>Banksia integrifolia</i>	T2
16	18.5	<i>Alphitonia excelsa</i>	T2
18	20	<i>Banksia integrifolia</i>	T1
43.5	56.5	<i>Timonius timon</i>	T2
45.5	60	<i>Melaleuca quinquenervia</i>	T1
60	69	<i>Planchonia careya</i>	T2
62	100	<i>Melaleuca quinquenervia</i>	T1
67.5	80	<i>Alphitonia excelsa</i>	T2
86	88	<i>Planchonia careya</i>	T2
89.5	100	<i>Alphitonia excelsa</i>	T2

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	Acacia disparrima Acacia leiocalyx (D) Melaleuca quinquenervia Melaleuca viridiflora	
Tree 2	2-5	4	0.5	Acacia disparrima Acacia leiocalyx	
Tree 3					
Shrub 1				Lantana camara*	
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	Acacia leiocalyx 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	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)				Remnant	N								
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	Acacia disparrima Acacia leiocalyx Melaleuca nervosa	
Tree 2	2-3.5	2.5	1	Acacia disparrima Acacia leiocalyx Melaleuca nervosa	
Tree 3					
Shrub 1				Lantana camara*	
Shrub 2					
Ground/ vines/ epiphytes/ mistletoes				Megathyrsus maximus* Stephania japonica Stylosanthes humilis	

[illegible]

CANOPY COVER DATA (100m TRANSECT)			
Canopy Start (m)	Canopy finish (m)	Species	Strata
0	13	<i>Acacia leiocalyx</i>	T1
15.5	20	<i>Acacia leiocalyx</i>	T1
20.5	27.5	<i>Acacia disparrima</i>	T1
25.5	29	<i>Melaleuca nervosa</i>	T1
25	30	<i>Acacia leiocalyx</i>	T1
30.5	31	<i>Melaleuca nervosa</i>	T1
30.5	34.5	<i>Acacia disparrima</i>	T1
36	41	<i>Acacia leiocalyx</i>	T1
44	46.5	<i>Melaleuca nervosa</i>	T1
49	54	<i>Acacia leiocalyx</i>	T1
54.5	60	<i>Corymbia tessellaris</i>	T1
55	56	<i>Melaleuca nervosa</i>	T2
56	61	<i>Acacia leiocalyx</i>	T1
61	63	<i>Melaleuca nervosa</i>	T1
63	66.5	<i>Acacia disparrima</i>	T1
65	66.5	<i>Acacia leiocalyx</i>	T1
67	70	<i>Corymbia tessellaris</i>	T1
67	68.5	<i>Acacia leiocalyx</i>	T1
70.5	73	<i>Melaleuca nervosa</i>	T1
70.5	75	<i>Corymbia tessellaris</i>	T1
76	76	<i>Melaleuca nervosa</i>	T1
77.5	78.5	<i>Alphitonia excelsa</i>	T1
79	80	<i>Acacia leiocalyx</i>	T1
82	82	<i>Corymbia tessellaris</i>	T1
84	84	<i>Alphitonia excelsa</i>	T1
93	93	<i>Acacia leiocalyx</i>	T1
94	94	<i>Alphitonia excelsa</i>	T1

REFERENCE SITE FOR 8.1.1

SITE NUMBER		80																	
LEVEL		3																	
DETAIL SP. LIST		A																	
REGIONAL ECOSYSTEM		8.1.1																	
DATE		16/2/11																	
RECORDER		David Francis & Dan Potter																	
LOCALITY		Great Keppel Island																	
SITE DESCRIPTION				Tidal mangrove community															
GENERAL NOTES																			
COMMUNITY AREA (ha)			>50ha				COMMUNITY WIDTH (m)			Not linear									
MAPPED (Current RE)			8.1.1				REFERENCE SITE			Y									
LANDFORM																			
Situation		V		Element		TDF		Eros pattern		LP		Pattern		TID					
SLOPE																			
Type		LE		Slope (%)		<1%		Aspect (°)		0									
SOILS																			
Source		S	Reliability		L	Code	E	Add data		-	ISB/MU		-	Colour		K	Texture		F
GEOLOGY																			
Source		O		Reliability		L		Code		B		Map Unit		Qhe/m					
SPECHT STRUCTURE CODE								-											
GROUND (%)																			
Litter		0		Rock		0		Bare ground		50		Cryptophyte		0		Vegetation		50	
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			Y								
Logging (#)			0					Ringbarking /Thinning (#)			0								
Grazing			N					Feral Digging			N								
Weeds (% Cover)			0					Remnant											
Erosion (Type/Severity)			0																

SITE NUMBER				80				continued							
STRUCTURAL SUMMARY															
Stratum		Height Range in Strata (m)		Median Height (m)		Cover (%) (100m transect)		Species							
Emergent		-		-		-		-							
Tree 1		2-5		3				<i>Avicenna marina</i> var. <i>eucalyptifolia</i> <i>Rhizophora stylosa</i>							
Tree 2		-		-		-		-							
Tree 3		-		-		-		-							
Shrub 1		-		-		-		-							
Shrub 2		-		-		-		-							
Ground/ vines/ epiphytes/ mistletoes		-		-		-		-							
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>Avicenna marina</i> var. <i>eucalyptifolia</i>			1												
<i>Rhizophora stylosa</i>			1												

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	Acacia disparrima (S) Corymbia clarksoniana (A) Lophostemon suaveolens (D)		
Tree 2	3-7	5	38.3	Glochidion lobocarpum Glochidion sumatranum		
Tree 3						
Shrub 1	1	1		Trema tomentosa		
Shrub 2						
Ground/ vines/ epiphytes/ mistletoes				Ageratum houstonianum* Bidens bipinnata* Enteropogon unispiceus Flemingia parviflora		

[illegible]

CANOPY COVER DATA (100m TRANSECT)			
Canopy Start (m)	Canopy finish (m)	Species	Strata
0	13.5	<i>Lophostemon suaveolens</i>	T1
3	9.5	<i>Acacia disparrima</i>	T1
17	32	<i>Planchonia careya</i>	T1
19.5	27.5	<i>Lophostemon suaveolens</i>	T1
28	45	<i>Lophostemon suaveolens</i>	T1
33	35	<i>Banksia integrifolia</i>	T2
41	45	<i>Planchonia careya</i>	T2
42.5	47.5	<i>Eucalyptus platyphylla</i>	T1
44	74	<i>Lophostemon suaveolens</i>	T1
43.5	49.5	<i>Glochidion sumatranum</i>	T2
53	56	<i>Acacia disparrima</i>	T2
56.5	59	<i>Glochidion lobocarpum</i>	T2
59	61.5	<i>Acacia leiocalyx</i>	T2
61	63.5	<i>Acacia disparrima</i>	T2
69	71.5	<i>Glochidion lobocarpum</i>	T2
73	76.5	<i>Acacia disparrima</i>	T2
76	93.5	<i>Lophostemon suaveolens</i>	T1
81.5	85.3	<i>Acacia disparrima</i>	T2
82.5	84	<i>Glochidion sumatranum</i>	T2
86.5	90	<i>Acacia disparrima</i>	T2
94	96.5	<i>Acacia disparrima</i>	T2
97	100	<i>Glochidion sumatranum</i>	T2
98.5	100	<i>Planchonia careya</i>	T2

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	Acacia disparrima (S) Acacia leiocalyx (D) Alphitonia excelsa (S) Corymbia clarksoniana (S)	
Tree 2		2		Acacia disparrima Acacia leiocalyx Alphitonia excelsa Lophostemon suaveolens	
Tree 3					
Shrub 1			1.5	Alphitonia excelsa	

Shrub 2				
Ground/ vines/ epiphytes/ mistletoes				<i>Ageratum houstonianum*</i> <i>Bracteantha bracteata</i> <i>Brunoniella australis</i> <i>Cheilanthes sieberi</i> <i>Cymbopogon refractus</i> <i>Enteropogon unispiceus</i> <i>Epaltes australis</i> <i>Eriachne pallescens</i> <i>Gahnia aspera</i> <i>Glycine tomentella</i> <i>Leptochloa decipiens</i> var. <i>decipiens</i> <i>Melinis multiflora*</i> <i>Murdannia graminea</i> <i>Pandorea pandorana</i> <i>Panicum effusum</i> <i>Passiflora suberosa*</i> <i>Phyllanthus virgatus</i> <i>Sida cordifolia*</i> <i>Sida rhombifolia*</i> <i>Stephania japonica</i> <i>Triumfetta rhomboidea</i> <i>Vernonia cinerea</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>		2							6				
<i>Acacia leiocalyx</i>		5							38	6		7	
<i>Alphitonia excelsa</i>									2				
<i>Corymbia clarksoniana</i>		1							5			1	
<i>Ficus opposita</i>												1	

CANOPY COVER DATA (100m TRANSECT)

Canopy Start (m)	Canopy finish (m)	Species	Strata
0	1	<i>Acacia disparrima</i>	T1
0	4.5	<i>Alphitonia excelsa</i>	T1
3	7	<i>Corymbia clarksoniana</i>	T1
4.5	12	<i>Acacia leiocalyx</i>	T1
13	24.5	<i>Acacia disparrima</i>	T1
25	39	<i>Acacia leiocalyx</i>	T1
36	40.5	<i>Corymbia clarksoniana</i>	T1
43	51.5	<i>Acacia disparrima</i>	T1
49	54	<i>Acacia leiocalyx</i>	T1
55	56.5	<i>Alphitonia excelsa</i>	S1
56	61	<i>Acacia disparrima</i>	T1
58.5	63	<i>Corymbia clarksoniana</i>	T1
63	72	<i>Acacia disparrima</i>	T1
69.5	77	<i>Corymbia clarksoniana</i>	T1
73	78.5	<i>Acacia leiocalyx</i>	T1
83.5	86	<i>Corymbia clarksoniana</i>	T1
86.5	100	<i>Acacia disparrima</i>	T1
91	96.5	<i>Corymbia clarksoniana</i>	T1

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>Ottlochloa 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	Alphitonia excelsa and Acacia disparrima 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	Acacia disparrima (D) Alphitonia excelsa (A) Corymbia clarksoniana (S) Corymbia tessellaris (S)	
Tree 2	2-3	2		Alphitonia excelsa	
Tree 3					
Shrub 1	1-2	1		Lantana camara*	
Shrub 2	0.5-1	0.5		Lithomyrtus obtusa	

Ground/ vines/ epiphytes/ mistletoes				<i>Abrus precatorius</i> <i>Amyema conspicuus</i> <i>Bidens bipinnata</i> * <i>Cryptostegia grandiflora</i> * <i>Eriachne pallescens</i> <i>Hyptis suaveolens</i> * <i>Imperata cylindrica</i> <i>Megathyrus 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	Acacia disparrima Acacia julifera Allocasuarina littoralis Corymbia clarksoniana	
Tree 2	2-4	3	1	Acacia disparrima Acacia julifera Alphitonia excelsa	
Tree 3					
Shrub 1	1-2	2		Alphitonia excelsa Corymbia clarksoniana	
Shrub 2	0.5-1	0.5		Corymbia clarksoniana Lithomyrtus obtusa	
Ground/ vines/ epiphytes/ mistletoes				Cyperus gracilis Digitaria ramularis	

															<i>Enteropogon unispiceus</i> <i>Eriachne pallescens</i> <i>Opuntia stricta*</i> <i>Ottochloa gracillima</i> <i>Passiflora suberosa*</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>Acacia disparrima</i>									1						
<i>Acacia julifera</i>		3							3	2					
<i>Allocasuarina littoralis</i>		11							19	1					
<i>Alphitonia excelsa</i>												1			
<i>Corymbia clarksoniana</i>		1							1	1		1	1		
<i>Corymbia tessellaris</i>		1							1						
<i>Lithomyrtus obtusa</i>														2	

CANOPY COVER DATA (100m TRANSECT)			
Canopy Start (m)	Canopy finish (m)	Species	Strata
0	1	<i>Corymbia clarksoniana</i>	T2
5.5	34	<i>Allocasuarina littoralis</i>	T1
25	29	<i>Corymbia clarksoniana</i>	T1
32	35.5	<i>Corymbia tessellaris</i>	T1
35.5	50	<i>Corymbia clarksoniana</i>	T1
50.5	54	<i>Acacia disparrima</i>	T1
56	59.5	<i>Acacia disparrima</i>	T1
59.5	82	<i>Allocasuarina littoralis</i>	T1
70.5	73.5	<i>Acacia julifera</i>	T1
70.5	73.5	<i>Acacia disparrima</i>	T1
81.5	82.5	<i>Corymbia tessellaris</i>	T1
84	86	<i>Acacia julifera</i>	T1
92.5	95	<i>Corymbia tessellaris</i>	T1
97	100	<i>Alphitonia excelsa</i>	T1

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	Eucalyptus exserta and Lophostemon confertus low forest												
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		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 (#)	N			Ringbarking /Thinning (#)	N								
Grazing	N			Feral Digging	N								
Weeds (% Cover)	0			Remnant									
Erosion (Type/Severity)	0												

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>Allocauarina 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>Fimbristvlis cinnamometorum</i>		

[illegible]

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	HIL						
SLOPE													
Type	VG	Slope (%)	<1%		Aspect (°)	250							
SOILS													
Source	S	Reliability	L	Code	A	Add data	-	ISB/MU	-	Colour	B	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	0		Feral Digging	0									
Weeds (% Cover)	0		Remnant										
Erosion (Type/Severity)	0												

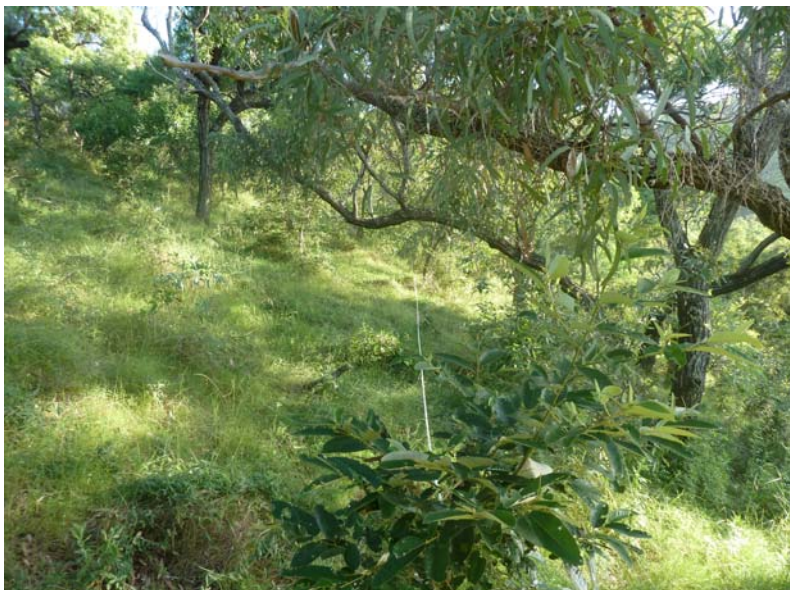
SITE NUMBER		140			continued
STRUCTURAL SUMMARY					
Stratum	Height Range in Strata (m)	Median Height (m)	Cover (%) (100m transect)	Species	
Emergent	-	-	-	-	
Tree 1	5-9	6	70.5	Acacia disparrima (D) Acacia julifera (C) Allocasuarina littoralis (C) Banksia integrifolia (S) Corymbia clarksoniana (S) Corymbia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

[illegible]

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>		

[illegible]

CANOPY COVER DATA (100m TRANSECT)			
Canopy Start (m)	Canopy finish (m)	Species	Strata
0	24	<i>Eucalyptus crebra</i>	T1
14	18	<i>Acacia disparrima</i>	T2
28	31	<i>Alphitonia excelsa</i>	T2
33	43	<i>Eucalyptus crebra</i>	T1
40.5	42.5	<i>Acacia disparrima</i>	T2
45	75.5	<i>Eucalyptus crebra</i>	T1
80	84	<i>Eucalyptus crebra</i>	T1
85	86.5	<i>Alphitonia excelsa</i>	T2
88	95	<i>Eucalyptus crebra</i>	T1
97	100	<i>Eucalyptus crebra</i>	T1

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		Acacia leiocalyx Ageratum houstonianum* Aristida warburgii		

			<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	Acacia leiocalyx and Eucalyptus moluccana 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	Acacia leiocalyx Alphitonia excelsa Eucalyptus moluccana Lophostemon suaveolens	
Tree 2	2-4	3	4	Acacia leiocalyx Melaleuca nervosa	
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</i> subsp. <i>pallida</i> <i>Mitrasacme pygmaea</i> <i>Polygala</i> sp (aff. <i>linearifolia</i> 'd') <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