

**Appendix B: Flora Assessment Data Sheets** 



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	Tertiary Site Vegetation	Assess	smen	t Da	ata S	hee	t			Job	Nu	mbe	r:	60	8	40	01
Pen	Site Number: 1	KP·	1.3	3		Δς	Ses	sor.		CL		· 	)ate	. 25 .73	2, (	5 188	/2006
	Width of total remnant: < Total RE Area: Does not	35m wide extend be	; 3 yond s	5-75r site;	m ; <1h	75-′ a ;	150m 1-5l	; na;	150-3 5-20h	300m na ;	; 20-	>300 50ha	;	not lii >50h	near a		
	RE co	de		E	PBC	c sta	tus		VI	MA st	tatu	s		EPA	stat	us	
	Location: Alternate Revolute Infelice Photo Number:  300 UTM WGS84 Easting 313 117 Northing 786 /881  Width of RE: <35m wide; 35-75m; 75-150m; 150-300m; >300; not linear Width of total remnant: <35m wide; 35-75m; 75-150m; 150-300m; >300; not linear Total RE Area: Does not extend beyond site; <1ha; 1-5ha; 5-20ha; 20-50ha; >50ha  Total remnant Area: Does not extend beyond site; <1ha; 1-5ha; 5-20ha; 20-50ha; >50ha  RE code EPBC status VMA status EPA status  DNRW RE map 12.11.6 NOC NC Survey result 12.11.6 NOC NC Canopy stratum growth form: Canopy Crown Cover: 20.%  Canopy Median Height:																
	Survey result 12.	11.6				_	-			Ν	00	2		٨	10		
	Canopy Median Height:	.[?jm.	S	truc	tural	Cod	de:				••••	• • • • •	••••	• • • • •			
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c	Europolt and	-	C.	<u> </u>	<del></del>	12	113	01	32	G			12	13	31	32	
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	Sida subspirat	0	<u> </u>					!		- 5			<u> </u>				
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$\circ$	Hrundinella nepale	nsio	<u> </u>											ļ			
	Givia returibles		1/														55
	Stach tupheta sa	maicensis	U							0.5							45
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	Width of RE: <35m wide; 35-75m; 75-150m; 150-300m; >300; not linear Width of total remnant: <35m wide; 35-75m; 75-150m; 150-300m; >300; not linear Total RE Area: Does not extend beyond site; <1ha; 1-5ha; 5-20ha; 20-50ha; >50ha  Total remnant Area: Does not extend beyond site; <1ha; 1-5ha; 5-20ha; 20-50ha; >50ha  RE code																
	···	-											-	i.	_		
	Rock cover (%)															<del>                                     </del>	
	Bare ground cover (%)	$\overline{}$															$\overline{}$
	Litter cover (%)	<del>{                                    </del>															

Scheduled flora pos	ssibi	lities: No / Yés (if	so									
dditional notes on	pes	t plants	 		• • • • • • • • • • • • • • • • • • • •			•••••	· · · · · · · · · · · · · · · · · · ·	oile	ctea?	Y / N
Veed Cover (%): (<	_		_	50 >5								
lealth: Pristine / E	xcelle	ent / Very Good / Good	)/ Ave	erage .	/ Degrade	ed /	Comple	tely Deg	raded (a	lmost w	ithout na	atives)
oils: Map; Cutting, Co oil Colour: whitish; gray	re; ﴿ /ish;		ability: brow	Low, vn; red	Medium d; black;	Hig dark	h k; grey;	pale				
Table 24 CORVEG landform situation of		Landler stunton	L Cods	1 -	Table 25 CORV	/ĒG typ	es of erosio	nai landform	patterns by s	slope and re	lief class co	des
Landform situation PLAIN	Code	HELLS, MOUNTAINS, TABLELANDS	Code		Slope class							
Not otherwise specified, flat gentle slopes, undulating terrain Downs, spen downs, rolling downs,	A .	Stope or hill not specified  Cliff (steep rocky faces), rocky ledge,			Class	LE Level	VG Very gently inclined	GE Gentiy inclined	MO Moderately inclined	ST Steep	VS Very sieep	PR Precipitous
ashy downs, pebbly downs	-	rocky outcrop, scarp, crack in rock, cravices			Percentage Degrees (rounded to nearest whole	<1 0	1-3	3-10 3-5	10–32 7–16	32-56 19-29	56-100 30-45	100 >45
	Ù	Coastal rocky headland Top, crest of mountain or ridge	l K		number)	L						
Tidal flat, sak flat (coastal) STREAMS	14	Jump-up, mesa, tableland, platecy DUNE	0		Relief class M Very high	-	~	- crosional la	andform patte	SM	V%I	PM
Lakes, banks of take, river, stream, water course, levees + permanent water	C	Fossil coastet dune, high dune	S	-	>300 m (about 500 m) H		_	UH	Rolling mountains RH	Steep mountains SH	Very steep mountains VH	Precipitous PH
Gully, drainage fine, ravine gorge, outwash— + intermittently wet	D	Unspecified coastal dune, beach dune, recent coastal dune, low dune, coastal sandnil	R		High 90- 300 m (about 150 m)			Undulating hills	Rolling h#s	Steep hills	Very steep hills	Precipitous hills
Sed of channel—distributaries of inland streams, beds + intermittently flooded	E	Inland dune, inland sendhil	T		L Low 30- 90 m (about 50 m)	-	-	UL Undelating low hills	RL Relling low	SL Steep law hills	VL Very steep low	8 Badlands
		WATER Freshwater lake, lagoon, spring, stream Freshwater swamp, marsh, soak,	X		R Very low 9- 30 m (about 15 m)	-	GR Gently undulating rises	UR Undulating rises	RR Rolling	SR Steep rises	hils B Badlands	B Bad/ands
		seepage area Gilgal, melon hote, sinkhote Saltwater, sea, saltwater swamp	IZ IY		P Extremely low <9 m)	Level plain	GP Gently undulating plain	UP Undulating plain	RP Rolling plain	B badlands	B Badlands	S Bediends
		to proposed imp		(incl		ent						
		significance:										
commercial.		• • • • • • • • • • • • • • • • • • • •						· · · · · · · · · · · ·				
recreational. hearwed or Hortici	dfur.	al Crops	• • • • • •	• • • • • • •	••••••	••••			• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •
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ther notes:	Brev	emo runnin ionsly clean	i e	ligh	th If	Lo so	wn , a	slop	e-ce , tin	nstru re a	ted	?
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Tertiary Site Vegetation Asses	smen	ıt Da	ıta S	hee	t			Job	Nu	mbe	r:	B6	018	34 ć	001
Site Number:2 KP:  Location:	j. ve /GS8	3 ( 4	75 Eas	_ As '?n	ses:	sor: 2011	tl 64	of -	 <u>9</u> N	[ Ling lorth	ate //// ing .	. 22 .s.t 7	/. -) 3 6	6 18	.1209, D9
Width of RE: <35m wide ; 35-75r Width of total remnant: <35m wide Total RE Area: Does not extend be Total remnant Area: Does not extend	yond s	site;	<1h	a ;	(1-5t	īa;	5 <u>-2</u> 01	na <u>;</u>	20-	50ha	;	>50h	а		013
RE code .	-	ΙE	PBC	sta	tus		V	MA st	tatu			EPA	stat	us	
DNRW RE map 11-3-29 / 12	.303		-	_				0 C				·	_		
Survey result 12.3.3							1	<u> </u>	E				_ <u>E</u>		
Canopy stratum growth form: Canopy Median Height:m.  All woody species present with  Name	S	truc m x	tural 10m	Coc plot Focular	ie: (plu leigh estima	is do	min	ant <u>a</u> ı	nd E	EVR (Basal	n <b>on-</b> Abı Area)	woo undar ; C (C	dy s	pecio	es)
	<del>                                     </del>	E	T1	T2	T3	IS1	S2	G	E	T1	T2	T3	S1	S2	G
										<u>                                     </u>					
Euc tereteconis	U		18												<5~
Con Vorksoniana	A		15												5
Eur. Colora	e			12											5
dophostenon maveolens	V			12											<b>45</b>
Commobia tessellaris	U		5	1											<5
Melalença revora	U					3									
Pogonolobus reticulatus	C					4						-			5
I lanchonia crarena	V					4									5
Grewia retusifulla	U							0.5							45
Arundinella nepalensis	C							1.5							30
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Rock cover (%)															$\longrightarrow$
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Bare ground cover (%) /O  Litter cover (%) /O															—
Cryptogam cover (%)									-						<del>-</del>

Average/Total

Scheduled flora pos	ssibi	ilities: No / 🚜 (if	so .				• • • • • • • • • • • • • • • • • • • •			colle	cted?	Y / N
Additional notes on	pes	st plants	vh	oniz	i ruf		· · · · · · · · · · · · · · · · · · ·	, S.t.	ach.y	colle tarf	cted? Leta	Y / N Jamaican
Weed Cover (%):	 55	; 5-25 ; 25-50	; >	 50	*********		•••••		•••••	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	
Disturbance (% of s	ite a	iffected): 0, <1; 1	l <b>-</b> 5;	>5								
Health: Pristine / E	xcelle	ent / Very Good / Good	/ Av	erage	/ Degrade	ed /	Comple	tely Deg	raded (a	ılmost w	ithout na	atives)
Slope: Crest; Ridge; I Soils: Map; Cutting, Co			-		slope; Lowe			t;)Open	depress	ion; Clo	sed dep	pression
Soil Colour: whitish; gray	yish;	mottled; yellow; orange;	(brov	vn;) ı	ed; black;	dark	; grey;	pale				
Soil Texture: clay; clay loa	m; sili	ty loam; loam; sandy loam;	sand;	stony	; silty clay; s	andy	clay; sil	ty clay lo	am;(sand	ly clay lo	am;)loar	n sand
Table 24 CORVEG landform situation of	codes				Table 25 CORV	IEC tum	ac of croclo	al landfarm	natterns bu	tions and re	lief plags oo	rten
Landform situation	Code	Landform situation	Code	7	Slope class	LOtyp	es of Elosio	iai iaiiuioiii	patterns by :	siope and re-	nei ciass co	ues
PLAIN  Not otherwise specified, flat gentle slopes, undulating terrain	6	HILLS, MOUNTAINS, TABLELANDS Slope or hill not specified	F		Class	LE Levei		GE Gently	MO Moderately	ST Steep	VS Very	PR Precipitous
Downs, open downs, rolling downs, ashy downs, pebbly downs	1	Cliff (steep rocky faces), rocky ledge, rocky outcrop, searp, crack in rock,	L		Percentage	<1 (	gently Incurred 1-3	inclined 3–10	inclined 10–32	32-56	56–100	1 190
Alluviai plam <u>or flat, pilavium, flood piera</u>		crevices  Coastal rocky headland	N N		Degrees (rounded to nearest whole number)	0 \	1-2	3-8	7_18	19–29	30-45	>45
Intend day pan, saft fat or pan (intend) Tidal flat, saft flat (operal)	V	Top, crest of mountain or ridge  Jump-up, mesa, tableland, plateau	K	1	Relief class	I		Erosional la	ndform påtte	ent)		<u>'                                    </u>
STREAMS		DUNE			M Very high	-	-	-	RM	SM	VM	PM
Lakes, banks of take, river, stream, water course, levees + permanent water	c	Fossil coastel dune, high dune	s		>200 m (about 500 m)	  -	_	UH	Relling mountains	Steep mountains SH	Very steep mountains Vd	Precipitous PH
Gully, drainage line, ravine gorge, outwash— + Intermittently wet  Bed of channe!—distributaries of inland	D	Unspecified coastal dune, beach dune, recent coastal dune, low dune, coastal sandhil inland dune, inland sandhil	R		High 90- 300 m (about 150 m)			Undulating hills	Rolling http	Steep hills	Very steep hills	Precipitous hitis
streams, beds + intermittently flooded		onana contain			L Low 30— 90 m (about 50 m)	-	_	UL Undulating low hills	RL Rolling low hills	SL Steep low hilts	VL Very steep low	8 Badiends
		WATER Freshwaterlake, lagoon, spring, stream	I X		R Very low 9- 30 m (about 15 m)	-	GR Gentiy undulating	UR Undulating rises	RR Rolling rises	SR Steep rises	hills B Badlands	B Sediends
		Freshwater swamp, marsh, soak, sectable crea Gêgal, melon hole, sinkhole Soltwater, sea, saitwater swamp	Z IY		P Extremely low <9 m)	LP Leyel plain	GP Gently undulating	UP Undulating plain	RP Rolling plain	B badlands	B Badlands	S Sediands
•				•	Source: Speight	)	plain plaing	Penns	pian			
Particular sensitiv	ities	to proposed imp		•	_		•				•••••	••••••
Special conservati		significance:										
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Other notes:.		,		<u>_</u>	1-4	L	Į	000		. <i>-</i>		
Other notes: The R		RE 13	· · · · · · · ·	12.	20W4	:	T	nth	họ )	in	• • • • • • • •	•••••
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Tertiary Site Veg	etation Assess	smen	ıt Da	ata S	Shee	et 🥪			Job	Nu	mbe	r:	360	18.	40	01	
Site Number:	<u>3</u> KP: .	3			As	sses	sor: .	C	2/		[	ate	.23	}/	6	./200	)6
Location: # Lt	Kendue																
Photo Number:	13.26 <b>UTM W</b>	GS8	4	Eas	sting	31	1	1 35	·	Ν	lorth	ing .	7	36.	2, 4	192	
Width of RE: <35r	n wide · 35-75n		75_1	50m	. 1	50 <u>-</u> 3(	ററന	. ,	300 .	n	ot line	aar		6	19	0	14
Width of total remr													not lij	iean			
Total RE Area: D																	
Total remnant Area	a: Does not exte	end be	yond	l site;	<1	ha ;	1-5	ha;	5-20h	na	; 20	)-50h	a ;	>50	ha		
	RE code,		E	PBO	C sta	itus		V	MA st	aţu	s		ΕPΑ	stat	us		]
DNRW RE map	12.11.6 /12.1	1.14	7						NOC		O C	-	NC	-/ c	)C		
Survey result	12.11.14				_				0	C				00	_		]
Canopy stratum gr Canopy Median He												wn (	Cove	:r:	10	% 	
All woody spec	ies present with	in 50	m x	10m				min	ant aı	nd E	EVR				peci	es)	_
Name		Rel.			} Coulor	Heigh	it ate (m)				/Baca		undar		stimate	o)	
		Dom.	E		T2	T3		S2	G	E	T1	T2	T3	S1	S2	G	1
	fish			<u> </u>	<u> </u>				<u> </u>						<u> </u>	<u> </u>	ļ
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Rock cover (%)	.5																
Bare ground cover (%)														-			
itter cover (%)	50					_	<b></b>		- I		-					i	

Scheduled flora pos	ssihi	lities: No / ¥és (if :	SO.		3.					colle	cted?	Y / N
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Additional notes on	pes	t plants						••••				
•••••	••••		••••	• • • • • • •	••••••	• • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • •	•••••	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
Weed Cover (%):	 5	; (5-25); 25-50;	>	·50_	*********	<i></i>				******		• • • • • • • • • • • • • • • • • • • •
Disturbance (% of s	ite a	ffected): 0, <1; 1	-5; (	>5				•				
Health: Pristine / E:	xcelle	ent / Very Good / Good	/ Av	/erage	/ Degrade	\ (be	Comple	tely Deg	raded (a	lmost w	ithout na	atives)
		-		-		$\leq$						·
Slope: Crest; Ridge; I				_ / \				t; Open	depress	ion; Clo	sed dep	pression
Soils: Map; Cutting, Co					, Medium,			1 .				
Soil Colour: whitish; gray			<u></u>		ed; black;		grey;	-	ami aana	ما درمام دام		
Soil Texture: clay; clay loa	m, sm	y loam, loam, sandy loam;	sano	; stony;	sity clay; s	sanoy	/ clay; sii	ty clay io	am; sano	iy ciay io	am; юar	n sand
Table 24 CORVEG landform situation of	edes:				Table 25 COR	/26 tvn	es of erosia	nel landform	natterns hv	lone and re	lief class co	tae.
Landform situation PLAIN	Code	Landform situation HILLS, MOUNTAINS, TABLELANDS	Code	Ĩ	Slope class	11,5,17,6	20 01 01 03101	nor sunurern	pontina by .	Nope and its	ner cluss cod	163
Not otherwise specified, fiat gentle	A	Slope or hill not specified /	F)	4	Class	LE Level	VG Very	GE Gently	MO Moderately	ST Steep	VS Very	PR Precipitous
siopes, undulating terrain  Downs, open downs, rolling downs, ashy downs, pebbly downs	<u> </u>	Cliff (steep rocky faces), rocky ledge, rocky outcrop, scarp, crack in rock,	L	1			gently inclined	inclined	inclined		steep	
		crevices			Percentage Degrees (rounded to	0	1-3 (	3-10 )	7–16	32–56 19–29	30-45	190 >45
Afluvial plan or flat, afluvium, flood plan		Coestal rocky head and	N	Ⅎ	nearest whole number)							
finand day pan, salt fiat or pan (inland) Tidal flat, salt flat (coastal)	Ÿ	Top, crest of mountain or ridge Jump-up, mesa, tableland, plateau	I K	‡	Relief class			Erosional la	ındfonn pattı	em		
STREAMS  Lakes, banks of take, river, etream,	c -	DUNE Fossil coastal dune, high dune	Is	_	M Very high >200 m (about 500 m)	-	-	-	RM Rolling	SM Steep	VM Very	PIS Precipitous
water course, levees + permanent water	<u> </u>			_	H	-	-	UH	mounteins RH	mountains SH	steep mountains VH	₽Ĥ
Gully, drainage line, ravins gorgs, outwesh + intermittently wet		Unspecified coastal dune, beach dune, recent coastal dune, low dune, coastal sandaki	R		High 90- 300 m (about 150 m)			Undulating hills	Rolling hills	Steep hills	Very steep hills	Precipitous hilia
Bed of channel—distributaries of inland streams, beds + intermidently flooded	E	I Inland dune, inland sandhill	T		L Low 30- 90 m (about 50 m)	  - 	  -	UL Undulating low hills	RL Rolling low hills	SL Steep low hills	VL Very steep low	8 Sadiends
		WATER			R Very low 9- 30 m (about		GR Gentiy	UR Undulating	RR Rolling	SR Stees	hills B Badlands	5 Sadiends
		Freshwater take, lagoon, spring, stream Freshwater swamp, marsh, sock, seepage area	W.	1	15 m) P Extremely	LP	undulating rises GP	rises	rises RP	rises B	В	8
		Gilpai, melan hale, sinkhale Saltwater, sea, saltwater swamp	IZ IY	. :	low <9 m)	Level plain	Gently undulating	Undulating plain	Rolling plain	badlands	Badlands	Sediands
					Source: Speight	<u> </u> (1990)	p'ein		<u> </u>			
Particular sensitivi	ities	to proposed imp	acte	: (inc	l fragm	ant	etion)					
						••••	• • • • • • • • •				•••••	• • • • • • • • • • • • • • • • • • • •
<b>-</b>												
Special conservati		significance:									• • • • • • • •	• • • • • • • • • • • • • • • • • • • •
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observed or Horticu												
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Other notes:	Direction of the second	element (ol tochpile adjace		По	عريه لاين	<i>~</i>	→					
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P. K. Z.	fy	P										
i, 190 Y	·····	·····	• • • • •	•••••	• • • • • • • • • • • • • • • • • • • •	• • • • •	• • • • • • • •		• • • • • • • • • • • • • • • • • • • •	• • • • • • •	· · · · · · · ·	
• • • • • • • • • • • • • • • • • • • •		***************************************								• • • • • • • •	• • • • • • • •	• • • • • •

Tertiary Site Vegetation Assess	smen	t Data S	heet	t	Job	Numbe	r:	B601	8400
Site Number:	12.	<u>.</u>	As	sessor: .					
Location: Alt Residue,	ß	oyleo	Rd	<del>-</del>					• • • • • • • • • • • • • • • • • • • •
Photo Number: UTM W	GS84	Eas	ting	308 9	62	North	ing .	7355	792
Notion 200-201								GP	517
Width of RE: <35m wide; 35-75m Width of total remnant: <35m wide	n ; /	′5-150m 5-75m	; 15 75-1	50-300m 50m 1	; >300 ;  50-300m	not lin	ear	not linear	
Total RE Area: Does not extend be									<i>ـ</i> ـ
Total remnant Area: Does not exte	end be	yond site;	<1h	ıa ; 1-5l	ha; 5-20h	na ; 20	)-50h	a ; (>50	ha
RE code ,		EPBO	c stat	us	VMA st	atus		EPA stat	1118
DNRW RE map 11-11-14-11-	11.18		-	TE		)/E		NC/	
Survey result 11.11-14			_ ′			06		NC	
Canopy stratum growth form: Canopy Median Height:m.  All woody species present with  Name	S		Cod plot	e:			non-		
Name	Dom.		Ocular e	estimate (m)			I Area)	; C (Cover E	
		E T1	T2	T3 S1	S2 G	E T1	T2	T3 S1	\$2   G
Correla atriodora	D	18				20			
Eux. crebra	C	12				5			
-		_				_			<del>                                     </del>
Carissa	- C			1.5				5	<del>                                     </del>
Latary montevederses XX	$\overline{\nu}$				0-2	_			5
Passillaa miloerosa *	V			1				45	
C Bursaria spinosa	C			2				5	
Cryptoster a grandiflora*	V			2				45	
Pogrno olous reticulatus				~   ~		,		1 1,2	
Diagella ob	V								
C (a. Thum of H/yellow leaf) C (a. Mhum of B (layer leaf) C Acacir, decora	<i>U</i>			3	_			<5	
Commun sh & (layer lead)	U			4				<5 <5	
- Heavin decora	0			3		_		-2	-
Brezzani solonistali	<del>7</del>			1		_			
C Aristida de	Č			0-3					10
Rock cover (%)			$\Box$						
Bare ground cover (%) 5									
Litter cover (%) 75 Cryptogam cover (%)		_		.					

Scheduled flora pos	ecibi	litios: No. / You (if	50				•			colle	cted?	V / N
Scrieduled nora pos	וטוסנ					 						Y / N
Additional notes on	pes	t plants			• • • • • • • • • • • • • • • • • • • •	••••						
Weed Cover (%):	<5	; 5-25 ; 25-50	; >!	50								
Disturbance (% of s	ite a	ffected): 0, (<1;) 1	l <b>-</b> 5;	>5								
Health: Pristine / E	xcelle	ent / very Good / Good	/ Ave	erage	/ Degrade	ed /	Comple	tely Deg	raded (a	lmost w	ithout na	atives)
Clanat and But a	1211 1						Œ					
Slope: Crest; Ridge; I Soils: Map; Cutting, Co					ope; Low	er sıc Hig	. (	t; Open	aepress	ion; Cio	sea ael	ression
Soil Colour: whitish; gray				vn; re		dari		pale				
Soil Texture: clay; clay loa	m; silt	y loam; loam; sandy loam;	sand;	stony;	silty clay(s	sandy	clay sil	ty clay lo	am; sand	iy clay lo	am; loar	n sand
Table 24 CORVEG landform situation of Landform situation	Code	Landform situation	Code	]	Table 25 COR	/EG typ	es of erosio	nal landform	patterns by s	slope and re	lief class co	des
PLAIN	> _	HILLS, MOUNTAINS, TABLELANDS			Slope class Class	TLE	Tvg	Tg≣	I MO	ST	Tvs	I PR
Not otherwise specified, flat gentle slopes, undulating terrain  Downs, open downs, rolling downs,	(A)	Slope or hill not specified  Citif (steep rocky faces), rocky ledge,	F		Cass	Level	Very gently	Gently inclined	Moderately inclined	Steep	Very sieep	Precipitous
ashy downs, pebbly downs		rocky outerop, searp, erack in rock, cravices			Percentage / Degrees	5	inclined 1-3 1-2	3-15 3-5	10-32 7-18	32–56 19–29	56-100 30-45	100 >45
Afluvial plam or flat, elituvium, flood piem	5	Coastel rocky headland	l N	<u> </u>	(rounded to nearest who/s number)	1						
	U V	Top, crest of mountain or ridge Jump-up, mesa, tebleland, plateau	C C		Relief class			Erosional la	indform patte	) स्या		
STREAMS	c	DUNE Secretary was blank dune.	Is		M Very high >200 m (about	-	-	-	RM Relling	SM Steep	VM Very	PM Precipitous
Lakes, banks of take, river, stream, water course, levees – permanent water		Foseil coastal dune, high dune			500 m) H	  -	  -	UH UH	mounteins RH	mountains SH	steep mountains VH	PH
Gully, drainage line, ravins gorgs, outwash— + intermittently wet	P	Unspecified coastal dune, beach dune, recent coastal dune, low dune, coastal sandalil	R		High 90— 300 m (about 150 m)			Undulating hills	Rolling hRs	Steep hils	Very steep hills	Precipitous hills
Bed of channel—distributaries of inland streams, beds + intermittently flooded	E	fnland dune, inland sandhil	T		L Low 32- 90 m (about 50 m)	-	-	Ut. Undulating low hills	RL Rolling low hills	SL Steep low hills	VL Very steep low	3 Sadiends
		WATER			R Very low 9- 30 m (about	-	GR Gently	UR Undulating	RR Rolling	SR Steep	hills B Badlands	B Badiands
		Freshwaterlake, lagoon, spring, stream Freshwater swamp, marsh, seak, seepage aren	W		9 Extremely		undulating rises GP	rises UP	rises RP	rises B	Б	18
		Gilgai, melon hole, sinkhole Saltwater, sea, pattwater swamp	IZ IY	1	law <9 m)	Levei plain	Gently undulating	Undulating pinin	Rolling plain	badlands	Badlands	Bediands
					Source; Speight	(1990)	j pagut	<u> </u>				
Particular sensitivi	ities	to proposed imp	acts	(inc	l. fragm	ent	ation)	:				
				·····				• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •		
	• • • • •											
Special conservati	on s	significance:										
observed or Horticu	aitui e	ai Ciops			• • • • • • • • • • • • • • • • • • • •			• • • • • • • • •				
Other notes:	<u></u>	, -/1.	1 1					1.	L			
Other notes:	20	nowing the	ل <i>بديا</i> .	الجدير	eciss		h u	ndl	ster	ey	<i>±</i> ·· <u>/··</u>	
	• • • • •	our eu	casu	yus.	are	·····∤	near	بكنتهمانتو	₹	$\mathcal{Q}_{\mathcal{M}}$	rasu	γ <u>~</u>
						<i></i> .					• • • • • • • • • • • • • • • • • • •	
						• • • • •	•••••					
			• • • • • •					•••••				
• • • • • • • • • • • • • • • • • • • •	••••		•••••	•••••	••••••	• • • • •		•••••	• • • • • • • •		• • • • • • • • • • • • • • • • • • • •	•••••
	• • • • • •	*******************	• • • • • •					•••••	• • • • • • • •			

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Tertiary Site Vegetation Asses															
Site Number: 5 KP: Location: Alt Residue , Photo Number: 303 UTM W	 	ryle 1	ر Fas	As R.J.	ses	sor: 	01	CL (	 	[	ate 	: 2'	3 <sub>1</sub> .3	<u>5</u> 	./200¢
Width of RE: <35m wide; 35-75r Width of total remnant: <35m wide Total RE Area: Does not extend be Total remnant Area: Does not extend	n ; e ; 3 eyond s	75-18 5-75r site;	50m n ; <1h	; 1 75-′ a ;	50-30 150m 1-51	00m ; na;	; > 150-( 5-20)	300 ; 300m na ;	; n ; 20-	ot line >300 50ha	ear ; ;	ot lin >50h	PS near la	Qō	
RE code		E	PBC	) sta	tus		V	MA st	tatu			EPA	stat	us	
DNRW RE map 11-3-26 / 11-	3-4					•		NOC		_			1C		2_
Survey result 11- 3-4	-							•						ÖC	
Canopy stratum growth form: Canopy Median Height: .!m.  All woody species present with	S	truc	tural	Cod	de:	•••••	••••			••••			•••••		••••
Name	Rei.										Ab	undai	nce _		
	Dom.	E	<u>(</u>	Ocular T2	estima T3	t ate (m) IS1	S2	G	E E	(Basal	Area		over E	stimate IS2	e) IG
			<u> </u>	-	<u> </u>		02		-	<del> </del>	12	13		32	
Eur tereticomis	C		18							5		1	<del>                                     </del>	i	
Cor tessellaris	U		18							45			$\vdash$		
Eur nebra	U.			12							<5				
Lopkostema suaveolers.	U			10							45				
Con', dallachyana	U			ନ							<5				
Casuarina cunoundamin	V			10							<b>\</b> 5				
Alphitoma eccelora	V					3							<5		
dantana camana **						105			Ĺ.,				<5		
Lantara monterordensis**	C							0.2						<u> </u>	20
Bursaria spinosa						2		!	<u></u>				<5		
Hearenathlacocopa	U					4		, -					<5	<u> </u>	
Bursaria spinosa Acarinardococapa Sida substituta Breyona oblanzifolia	11							1					<u> </u>	<u> </u>	45
Drynia obtanzifolia	,							1 1				<u></u>	$\vdash$	<del> </del>	45
	<u>,                                      </u>											1	$\vdash$	<u> </u>	
Mallotus phillipansis	V			8							<u>&lt;</u> 5				
Q #1: 11 1 + ¥	C_						_	0.5							
Bythriochloa lertusa * Hyporhenia rufa *	Ū				`			1						_	5 45
										]					
Rock cover (%)															
Bare ground cover (%)	-														
Litter cover (%)									ĺ	- 1			, I		

Average/Total

Scheduled flora pos	sibi													
Additional notes on p	oes										Y / N			
					••••				•••••		• • • • • • • • • • • • • • • • • • • •			
Weed Cover (%): <	 5	: 5-25 : 25-50 :	>50		••••	******	•••••				• • • • • • • • •	ı		
Disturbance (% of sit			-5; <b>&gt;</b> 5、											
		nt / Very Good / Good		Degrade	d /	Comple	taly Dan	raded (a	lmost wi	ithout no	ativoe\			
ileaitii. Piistiile / Exi	celle	int / very Good / Good	Average	Degrade	:u /	Comple	Tely Deg	raueu (a	iiiiost w	iliout na	alives)			
Slope: Crest; Ridge; Hi	illock			_		_	t; Open	depress	ion; Clo	sed de	oression			
Soils: Map; Cutting, Core				Medium,										
Soil Colour: whitish; grayis						grey;			ما برمامید ام		d			
Soil Texture: clay; clay loam	ı; sılt	y loam; loam; sandy loam;	sand; stony	; siity ciay; s	andy	clay, sil	ty clay lo	am; sano	іу сіау ю	am; ioar	n sano			
Table 24 CORVEG landform situation co	des			Table 25 CORV	FG tvn	es of erosio	nal landform	natterns by	alone and rei	ief class co	des			
	Code	Landform skuation HILLS, MOUNTAINS, TABLELANDS	Code	Siope class										
Not otherwise specified, flat gentle	A	Slope or hill not specified	F	Class	LE Level	VG Very	GE Gently	MO Moderately	ST Steep	VS Very	PR Precipitous	1		
Downs, open downs, rolling downs, ashy downs, pebbly downs	•	Ciff (steep rocky faces), rocky ledge, rocky outcrop, scarp, crack in rock,	1.	Dercantaga	<i>-</i> 1	gently inclined	inclined	inclined	32_56	81560 58_160	180			
Not cherwise specified, flat gantle scores, inclined scores, scores, small flat gantle scores, gantly downs   1														
Not otherwise specified, flat gentle slopes, undulating terrain  Downs, open downs, reflang downs, pehalized for cocky outcorp, scarp, crack in rock, crevides  Class  Class  Let VG Gently Moderately Steep Very Gently Moderately inclined														
Tidal flat, solt flat (constal)		Jump-up, mesa, tableland, plateau	C			1	Erosional la			1/24	264	_		
Lakes, banks of take, river, stream,			s	>300 m (about	_			Reling	Steep	Very steep				
Guliy, grainage line, ravine gorge,	<del></del>	Unspecified coastal dune, beach dune,	R	H High 90-	-	-	UH Undulating	Rolling	SH Steep hills	VH Very	Precipitous	<u> </u>		
outwash— + intermittently wet  Bed of channel—distributaries of inland  [8]		recent coastal dune, low dune, coastal sandhil inland dune, inland sandhil	T	300 m (about 150 m)			hills	加肥っ		ellid qeste	hills			
streams, beds + intermittently flooded		·		L Low 30- 90 m (about 50 m)	-	-	UL Undulating low hills	RL Rolling low hills	SL Steep low hits	VL Very steep low	B Badiands			
		WATER		R Very low 9- 30 m (about	-	GR Gently	UR Undulating	RR Rolling	SR Steep	hits B Backands	8 Bediends			
		Freshwater lake, lagoon, spring, stream Freshwater swamp, marsh, soak, seepage aree	W	15 m) P Extremely	LP .	undulating rises GP	rises	rises	rises B	В	8	ļ		
		Gligal, melon hole, sinkhole	Z I Y	low <9 m)	Level plain	Gently Undulating	Undulating Pigin	Rolling plain	badlands	Badlands	Bediands			
				Source: Speight	(1990)	ptain						l		
Particular sensitivit	ies	to proposed impa	acts (inc	l. fragm	ent	ation)	1:							
			•	_		_								
Chariel componentia		ianificance:												
Special conservation		significance										•		
<b>observed</b> or Horticul	tura	al Crops							••••••	• • • • • • • •				
Other notes:		1 , 11		. 1		1 1	. ,		0			. \		
other notes.	γ'n	asted with	m	all c	rel	·k (	REJ	eside	veek	rossi	loly 1	1.3.25		
Other notes:  - stream	Y	channel inc	ised	up.t	Ø.	Q. <sub>}&gt;</sub> .	dec	ļs	·····/·	•••	····· <i>(19</i> -7	A1\		
			• • • • • • • • • • • • • • • • • • • •	· ar	d.	<del>5</del> »	بيرا	ride.	(	photo	) ۱ ا	~/ <del>*  </del> - )		
possibil		mitteall of	each	ا ش	vas	<del>た</del>	•••••		,			,		
	Ŏ.								• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • •				
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										· · · · · · ·				

Tertiary Site Veg	etation Asses	smen	t Da	ata S	Shee	t			Job	Nu	mbe	r:(	360	218	}4 C	100	
Site Number:																	167
Location: .att	Residue																••
Photo Number:	UTM W	/G\$8	4	Eas	sting	3	999	9.3	4	١	lorth	ing	.7.				
Notice $2/\sqrt{35r}$ Width of RE: $<35r$	-2/2 muido : 35.75r	<u>.</u>	75 1 <i>1</i>	E0m	. 1	E0 2	00		200		ے۔۔۔۔ معاللہ م			ı	G P S	5 (	) 25
Width of total remi	nant" <35m wide	. 3!	5-75	m ·	75-	150m		150-	300m		>300		not li	near.	)		
Total RE Area:	oes not extend be	yond s	site;	, <1h	a ;	1-5	ha;	5-20	ha; <sup>&lt;</sup>	20-	50ha	>;	>50h	عنظانیا سیر ادا			
Total remnant Are	a: Does not exte	end be	yond	l site;	<1	ha ;	1-8	5ha;	5-20	ha	; 20	)-50h	a ;	<b>≥</b> 50	ha)		
	RE code		Ē	PBO	C sta	itus		V	MA s	tatu	s		EPA	sta	tus		]
DNRW RE map	11.11.4/11	1-11-18	3		$\angle$	E		٨	OC	$\mathcal{I}$	E			JC J	E		
Survey result	11.11.3				<u>-</u>						<u></u>						
Canopy stratum gr	owth form:		tu	كو				••••	. Can	эру	Cro	wn (	Cov€	∍r:์	J 0	%	
Canopy Median Ho	eignt:am.	১	truc	turai	Coc	ae: .		•••••	• • • • • • •	• • • • •	• • • • • •	• • • • •				••••	
All woody spec	ies present with	nin 50	m x	10m	plot	t (plu	ıs do	min	ant a	nd E	EVR	non-	-woo	dy s	peci	es)	
Name		Rel.			ŀ	leiah	ıt					Abi	unda	nce	_		١.
		Dom.			T2	T3		)  S2		E	(Basa	T2	); C (C [T3	over <u>⊨</u> S1	Stimat  S2	e) G	
		<u> </u>						<u> </u>									
12 + .	1			17	<u> </u>	<u> </u>	ļ			<u> </u>			ـــــ	<u> </u>	<del>                                     </del>	<u> </u>	
Cor. citro	doa	D		16				ļ	-		10		-	_	ļ <u> </u>		
Euc. crebia	0 .00	$\cup$		14	10	-	<del> </del> -	<u> </u>			5	<5	-	+-	-	+-	
Malinos andr M	Markey Cons				10							3	+	_	1	$\vdash$	
Acada aul	acocarba	U		,			6	-						<5			İ
Planchonia		θ		-			4							<5	-	1.	
Janera poer		V			ĺ		6							<b>&lt;</b> 5			
Bursaria ob	inosa	V					3							<5			
- //	0 0								ļ.,				<u> </u>	<u> </u>	<u> </u>		
Breunia ol	tongidolia	U		:					0'4				-	<u> </u>	<u> </u>	<5	
Stachytaph	eta jamaiasis 7	0		ļ			2		04		<u> </u>		<del>                                     </del>	<del> </del>		<u> </u>	
Harana Can	and the	()	<del></del>				α	_	1.5	<u> </u>			├──	<5	<del> </del>	10	
De l'Orti	h heres	$\sim$				6			1.5				10		+	70	
Problem	a prosens	$\overline{\nu}$				2	<u> </u>						<del>&lt;</del> 5		†	$\vdash$	
a lahitoni	ecelsa	1)				4		_					<u>&lt;5</u>			<del></del>	
Latara n	merendenin	Ŭ					-		0.2							<3	
Diodennos	sl					4	·	-				• • • • • • • • • • • • • • • • • • • •	<5				
Panicum >	nascimin X	1/							1							<5	
Calsia	sb	U							05							<5	
Rock cover (%)											'	. !		<u> </u>	<u> </u>	$\sqcup$	
Bare ground cover (%) Litter cover (%)	15	-										<u> </u>		<u> </u>	<u> </u>		
-itto: 0040/ [/0]	5/ J.			ı <b>I</b>	,			i	i !		- 1		1 '	. '	1 .	4 1	

Average/Total

Scheduled flora pos	ssibi	lities: No / 🍇 (if										Y / N Y / N
Additional notes on	pes	t plants				•••••		• • • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·			
	••••	• • • • • • • • • • • • • • • • • • • •	• • • • •			• • • • •		• • • • • • • •	• • • • • • • •			• • • • • • • • •
Weed Cover (%):	 <5	; 5-25 ; 25-50	·····;	 50	• • • • • • • • • • • • • • • • • • • •			•••••				• • • • • • • • • •
Disturbance (% of s	ite a		l <b>-</b> 5;	>5	<b>V</b>							
Health: Pristine / E	xcelle	ent / Very Good / Good	) Av	erage	/ Degrade	ed /	Comple	tely Deg	raded (a	ılmost w	ithout na	atives)
Slope: Crest; Ridge; I	Hilloct	k: Simple slope: Uppers	lone.	Mid.s	lone:/Low	⇒ er slo	nne. Ela	t <sup>.</sup> Onen	denress	ion: Cic	sed der	ression
Soils: Map; Cutting, Co		\			Medium,		_	·, • po	Фортосс	1011, 010	ood do,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Soil Colour: whitish; gray	/ish;	mottled; yellow; orange;	brov	wn; re	ed; black;	dark	κ; grey;	pale				
Soil Texture: clay; clay loa			\ _	سنتخصير					am: sanc	ły clay lo	am: loar	n sand
	,,,	y realty realty carray realty	our.u,	0.0.1	الأوالال والتأل	, a a ,	olaj, oli	ij olaj lo	arri, oarro	ij olaj lo	am, loui	n ound
Table 16 CODUCC lands are circulated												
Table 24 CORVEG landform situation of Landform situation	Code	Landform situation	Code	7	Table 25 CORV	/EG typ	es of erosio	nai landform	patterns by s	slope and rel	ief class co	les
PLAIN		HILLS, MOUNTAINS, TABLELANDS			Slope class	Tï≃	1100	10-	(140	T.C.T.	1	170
Not otherwise specified, flat gentle slopes, undulating terrain Downs, open downs, rolling downs,	Å	Stope or hill not specified  Cliff (steep rocky faces), rocky ledge,			Class	Level	VG Very gently inclined	GE Gently inclined	MO Moderately inclined	Steep	VS Very steep	PR Precipitous
ashy downs, pebbly downs		rocky outcrop, scarp, crack in rock, cravices			Percentage Degrees	<1 0	1-3 1-2	3-10	10–32 7–16	32-56 19-29	56-150 30-45	100 >45
					(rounded to nearest whole							
Alluvial plam or flat, sliuvium, flood plain Inland day pan, sait flat or pan (inland)	U	Top, crest of mountain or ridge	I K	1	number)		1		· · · · ·			
Tidal flat, salt flat (coastal)	l v	Jump-up, mesa, tobleland, plategu	C	1	Relief class			Erosional la	indform patte			
STREAMS Lakes, panks of take, river, stream,	c	DUNE Fossil coastet dune, high dune	Is	_	M Very high >300 m (about	-	-	_	RM Reling	SM Steep	VM Very	PM Precipitous
water course, levees + permanent water		Focas coasta dons, raga nons	"		500 m)			£ 11-2	mountains	mountains	mountains	20
Gully, drainage line, ravine gorge, outwash— + intermittently wet	D	Unspecified coastal dune, beach dune, recent coastal dune, low dune, coastal sandnil	R		High 90- 300 m (about 150 m)	-	ļ	UH Undulating hills	RH Rolling hills	SH Steep hills	VH Very steep hills	PH Precipitous hilis
Bed of channel—distributories of inland streams, beds + intermittently flooded	E	inland dune, inland sandhill	T		L Low 30-	-	-	ÜL	RL.	SL	VL VL	8
					90 m (about 50 m)		1	Undulating low hills	Rolling low hills	Steep low hills	Very steep low	Sadiends
		WATER			R Very low 9-	-	GR	UR	RR	SR	hills B	ō
		Freshwater take, lagoon, spring, stream Freshwater swamp, marsh, soak,	X IW		30 m (about 15 m)		Gently undulating	Undulating rises	Rolling rises	Steep rises	Badlands	Bad/ends
		secoage area Giloai, melon hote, sinkhote	z z	-	P Extremely	LP	rises GP	(P)	RP	6	В	8
		Saltwater, sea, saltwater awarep	ÌΥ	1	low <9 m)	Level plain	Gently Undulating	Undulating plain	Rolling plain	badlands	Badlands	Bedlends
					Source: Speight	(1930)	plain					
Particular sensitivi	ties	to proposed imp	acts	(inc	I. fragm	ent	ation)	:		• • • • • • •		
		•••••	<i>.</i>			• • • • •						• • • • • • • • •
Special conservati	on s	significance:										
cultural												•••••
commercial.												
recreational.			<i>.</i>									
observed or Horticu												
		•										
Other notes:		1 //		0			α,	-1-	~			
		bossibly so	me	X	oggina		in 1	sasl				
		1	•••••		. a. a							
		******************	•••••				•••••					
• • • • • • • • • • • • • • • • • • • •												
		••••••		• • • • • •		• • • • •			• • • • • • •			• • • • • • • • • • • • • • • • • • • •

Tertiary Site Vegetation Asses	smer	nt Da	ata S	Shee	t			Job	Nui	nbei	r:	β6	018	34	00
Site Number: 7 KP: Location: Alternate Re Photo Number: 1305 UTM W	ed	ue		As	ses	sor: .		<u>L</u>		D	ate	.a.;	3./	6	./200
Photo Number: 1305 UTM W	/GS8	4	Eas	sting	30	9 9	58		N	iorth	ing		13.	58	94
Width of RE: <35m wide; 35-75r Width of total remnant: <35m wide Total RE Area: Does not extend be Total remnant Area: Does not extend be total remnant Area:	; 3 yond	5-75ı site;	m ; <1h	75-1 a ;	150m 1-51	; na;	150-3 5-20ŀ	300m na ;	; : 20-	>300 50ha	; ;	>50h	near ia		υų
RE code	,				tus		VI	MA st	tatu	S		EPA	stat	tus	
DNRW RE map 2.11.7/2.11.6/11.114a - OC/NOC/NOC															ve
Survey result 12-11-6						Ċ									
Canopy stratum growth form: Canopy Median Height:	S	Struc	tural	Coc	le: .		• • • • •	•••••				• • • • • •	• • • • • • •	•••••	•••••
Name	Rel.	1		L	loiah	t					Αb	undai	nce		
	Dom.	E	TT1	Ocular T2	estim: T3	ate (m) S1	52	C	E B		Area	); C (C T3	over E	stimate	e)  G
		<del>                                     </del>	† <u> </u>			ļ <u>.                                    </u>			_	<del>                                     </del>	12	115	1	52	
Conatriodora	7		16							10		<u> </u>	$\vdash$	$\dagger$	,
Euc. crebra	C			12		İ						Ī			
Lophosterian suaveplan	U				5								1		
Commora clarksoniana	Ū		15										†	<u> </u>	
A Chitoria exclosa	V				4								1	<del>                                     </del>	
(anthum (yellow lend)	V	<del> </del>			3								<u> </u>	<del>                                     </del>	
Pogarolobu reticulatus	C			_		2				_		<del>  -</del>	<del>                                     </del>	1	<5
Melie aradarach	U				4									<del> </del>	
Lontana camara **						1.5						-	$\vdash$		
Hubarrenia rula *						<u> </u>		1							30
Stackyta pheta janaiconsis*								0.5				_		1	
Hely run heterophyl m	V		-			2							<del> </del>	1	
Joseph de	()					Ť		05							
Side substicate								0.5							
Burgaria spirosa	11					2									
Mantenen disherma	1/					2		_							
Acar a browlli	(/	-				(									
mentin latitolia	V							7		1					
Hibiscus heterophyllus	U				2	·									
Acacia fasci culibra	()				3							<u> </u>			
Alyxia muscilolia	Ü	_		1				1							
Rock cover (%) 5			-		_										<i></i> .
Bare ground cover (%)					•				$\neg$			1			-

50

Average/Total

Litter cover (%)

Scheduled flora pos	sibi	lities: No / 🌿 (if										Y / N Y / N	
Additional notes on	pes	t plants											
Disturbance (% of si	ite a	ffected): 0, <1; 1	-5;	>5	/ Degrade	ed /	Comple	tely Deg	raded (a	lmost w	ithout na	atives)	
Soils: Map; Cutting, Con Soil Colour: whitish; gray	re; S rish;	Surface observation Relia mottled; yellow; orange;	brov	vn; re	Medium, ed; black;	Hig dark	h c; grey;	pale					
			<del></del>	<del>-</del> 1	Table 25 CORV	/EG typ	es of erosion	nal la <u>ndform</u>	patterns by s	lope and rel	ief class cod	ies	
	Lode		10005	1	Slope class								
Not otherwise specified, flat gentle slopes, undulating terrain Downs, open downs, rolling downs,	A .	Slope or hill not specified  Cliff (steep rocky faces), rocky ledge,		-	Class	LE, Level	VG Very gently inclined	GE Gently Inclined	MO Moderately inclined	ST Steep	VS Very steep	PR Precipitous	
	8	crevices	l M		Percentage Degrees (rounded to nearest whole number)	0 (	1-3	3-10 3-8	10–32 7–18	32-56 19-29	56-180 30-45	100 >45	
inland day pan, salt fat or pan (mland)	U	Top, crest of mountain or ridge	K	1		•	•	Erosional la	ndform patte	ម្			
STREAMS	c	DUNE Fossil coastal dune, high dune	S		M Very nigh >300 m (about	-	-	-	RM Rolling	SM Steep	VM Very steep	PM Precipitous	
Plealth: Pristine / Excellent / Very Good / Good Average / Degraded / Completely Degraded (almost without natives)  Slope: Crest; Ridge; Hillock; Simple slope; Upper slope; Mid slope; Lower slope; Flat; Open depression; Closed depression foils: Map; Cutting, Core; Surface observation Reliability: Low Medium, High soil Colour: whitish; grayish; mottled; yellow; orange; brown: red; black; dark; grey; pale soil Texture: clay; clay loam; silty loam; loam; sandy loam; sand; stony; slity clay; sandy clay; silty clay loam; sandy clay loam; loam sand  Table 24 CORVEC landform situation codes  Table 24 CORVEC landform situation codes  Table 25 CORVEC types of erosional landform patterns by slope and relief class codes  Slope of line of specified, flat gently slope; Silty dark; Silty clay loam; sandy clay; slope of line of specified, flat gently linelined. Moderately Silty Silty Clay; Silty clay loam; slope of line of specified perity linelined. Moderately Silty Silty Clay;													
outwash	_	recent coastal dune, low dune, coastal sendal:	R T		High 90— 300 m			Undulating	Rolling		Very	Precipitous	
streams, beds + intermidently flooded					90 m (about 50 m)	-	-	Undulating	Rolling low	Steep low	Very steep low		
		Freshwater lake, lagoon, spring, stream Freshwater swamp, marsh, sook,		-	30 m (about	_	Gently undulating	Undulating	Rolling	Steep			
		Gligal, melon hole, sinkhole	Z IY			Leve!	Gently unculating	Undulating	Rolling		_		
					l. fragm	ent				• • • • • • • •	•••••	•••••	
Special conservation cultural		significance:											
commercial							<i></i>						
observed or Horticu	ıltur	al Crops				••••	• • • • • • • • •						
Other notes:	••••		•••••		• • • • • • • • • • • • • • • • • • • •	• • • • •		••••		• • • • • • • •	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •	
								·					
							• • • • • • • • • • • • • • • • • • • •						

	Tertiary Site Vegetation Asses	smer	nt D	ata S	Shee	ŧ			Job	Nu	mbe	r:!	56(	718	4	O(C)	!
	Site Number: KP:		C	owe	. As	sses	sor:	<b>ر</b> درا	L. t	Sk	[	Date	.23 /all	}	6 Rd	./200	06
	Photo Number: UTM V	VGS8	4	Eas	sting	3	309	983	3	, N	iorth	ing	7	3 5 0 C	9 19	93	
	Width of RE: <35m wide; 35-75 Width of total remnant: <35m wide Total RE Area: Does not extend be Total remnant Area: Does not extend	m ; e ; 3 eyond :	75-1 5-75 site;	50m im ; <1h	; 1 75- <sup>-</sup> a ;	50-36 150m 1-5	00m ı ; ha;	; > 150-3 5-20l	300 ; 300m na ;	; ; :20-	ot line >300 50ha	ear ; ;	not lii >50h	near a		Y.S.	
	RE code			EPB(	C sta	itus		TVI	MA st	tatu	s		EPA	stat	.us		1
	DNRW RE map $1/3.4$					•			(	<u>50</u>				00	,		1
	Survey result 12.11.6/11.1	1.18			- 7	/ E		1	voc.	/ E	Ξ		N	c I	E		1
	Canopy stratum growth form: Canopy Median Height:/am.  All woody species present with Name	S	Struc Om x	ctural	Coo	de: .	us do	•••••	•••••	••••	• • • • • •	non-	•••••	dy s		••••	٦
	Name	Dom.		(	r Ocular	estim	it ate (m)	)		В	(Basal				stimate	a)	
			E		T2	T3	S1	S2	G	E_	T1	T2	T3		S2	G	]
		+		16	<u> </u>		-				10				<u> </u>	1	-
	Euc. crebra	문	<del>                                     </del>	15	<u> </u>						10 5		-			<del>                                     </del>	-
	Euc. crebra	U		1.5	10	├─-	+	-			) 3	<5	<del> </del>	<del>                                     </del>		<u> </u>	}
	En trati	1		15	10	<del> </del>				-	45		<del> </del>		-	$\vdash$	┨
	Cor. terellaris Euc. teretironis Acacia Largereller	V		1/2	1	,					~>		1			<del>                                     </del>	-
	Janora pendatus	U		+		7							45				┨
	Bursaria spirosa	Č				5	<del>  .</del>	]					10			5	-
C		U				6	<u> </u>						<5		<del> </del>		1
_	Carissa vata	(2)				-	2						بر	10		-	1
	Carissa ovata Sto-chylarpheta xamaicen	in C	,				<i>(</i> 2		0.5					"		o-	in
	Sida subspirata	U		İ	_		<u> </u>		1							<b>4</b> 5	1
	H brees heterophyllus	U							1.5							<b>&lt;</b> 5	
	Horsey heterophyllus Pogonololus reticulatus	C					2							5		<5	1
	Aristida sp.	C							0.4							0-	10
	Mantenis disperma	レ				5							<b>45</b>				Ì
C	Cyclophyllum coprosmóides	V				4							45				
	Alaxan Tuscifolio	U					2							45			
	Hyparrhonia rula *	U														<5	
	Breynia oblongatoli.	U		<u> </u>			R							45			
	Josea Cordwillis	1)		<u> </u>		3			]		]		<5				
	Drybetes deblanchei	$ \mathcal{U} $				3							<b>45</b>				
- 1	Rock cover (%)					· .											
	Bare ground cover (%)																
	Litter cover (%) 60																
- 1	Cryptogam cover (%)			!							- 1					. /	i

Average/Total

C

C-1	rec (alt	bal, zyz	ag stem	) 3	5 m -	(
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20

Scheduled flora pos	ssibi	lities: No / Yes (if										
Additional notes on	pes	t plants										Y / IN
Weed Cover (%): < Disturbance (% of s	ite a	ffected): 0, <1; 1	-5; >	5			0	Anto Dono				
Health: Pristine / Ex	xcelle	nt / Very Good / Good	/ Aven	age /	Degrade	ed /	Comple	tely Deg	raded (a	imost w	thout na	itives)
	re; S	ourface observation Relia	ability:	Low	Medium,	Hig	h	t) Open	depress	ion; Clo	sed dep	pression
Soil Colour: whitish; gray Soil Texture: clay; clay loal		mottled; yellow; orange;				dark andv		pale tv.clav.lo	am• eann	ly clay io	am: loan	n cand
Texture: day, day loa	iii, oik	y loam, loam, sandy loam,	3011U, 31	ony, e	sity ciay, s	andy	Glay, Sir	ty clay lo	am, same	iy clay io	aiii, ivaii	ii sailu
Table 24 CORYEG landform situation of		A London Signature	1	تے	Table 25 CORV	EG typ	es of erosio	nal landform	patterns by s	lope and rel	ief class cod	les
Landform situation PLAIN	Code	Landform situation HILLS, MOUNTAINS, TABLELANDS	Code	•	Siope class							
flot otherwise specified, flat gentle	A	Slope or hill not specified (	F	t	Class	LE Level	VG Very	GE Gently	MO Moderately	ST Steep	VS Verv	PR Precipitous
siopes, undulating terrain Downs, spen downs, rolling downs, ashy downs, pebbly downs	<u> </u>	Ciff (steep rocky faces), rocky ledge, rocky outcrop, scarp, crack in rock,					gently incified	inclined	inclined		Bisep	
Alluviol plan or flat, elsuvium, flood plein		cravices  Coastal rocky headland	l N	(	Degrees rounded to rearest whole number)	<u>&lt;1</u> D (	1-3	3-10 3-8	10-32 7-16	32–56 19–29	56-160 30-45	190 >45
	ŭ V	Top, crest of mountain or ridge Jump-up, mesa, tableland, plateau	K D		Relief class			Erosional la	ndform patte	ern		
STREAMS		DUNE			d Very high -350 m (about	-	**	-	RM Rolling	SM Steep	VM	PM Per sinitarus
Lakes, banks of take, river, stream, water course, levees - permanent water	С	Foseil coastel dune, high dune	S		500 m)				mountains	enietaucm	Very sisep mountains	Precipitous
Gully, drainage line, ravine gorge, outwash— + intermittently wet  Bed of channel—distributaries of inland	D	Unspecified coastal dune, beach dune, recent coastal dune, low dune, coastal sandnit inland dune, inland sandhit	R	3	i iigh 90- i00 m about 150 m)	_	_	UH Undulating hilis	RH Rolling hills	SH Steep hills	VH Very steep hills	PH Precipitous tilia
streams, beds + intermittently flooded		andro core, mano sationa	-	9	. Low 30— 10 m (about 10 m)	-	-	UL Undulating low hills	RL Rolling low hills	SL Steep low hills	VL Very steep low hills	9 Sediands
		WATER Freshwater lake, lagoon, spring, stream Freshwater swamp, marsh, soak,	I X   W	13	( Very law 9- 0 m (about 5 m)	-	GR Gently undulating rises	UR Undulating rises	RR Rolling rises	SR Steep rises	B Badlands	B Badlends
		seepage sree Gilgal, melon hole, sinkhole Saltwater, sea, saltwater swamp	Z		Extremely ow <9 m)	Level plain	Gently Undulating plain	UP Undulating plain	RP Rolling plain	S badlands	B Badlands	3 Bedlands
Particular sensitivi	ties	to proposed impa	acts (		iource: Speight fraam		ation)	) <b>:</b>				
								• • • • • • • • • • • • • • • • • • • •				
Special conservation	on s	ianificance:										
commercial										<i></i>		
observed or Horticu	ıltura	al Crops										
Other notes:	ρ,	atille class			nla	2	210-	1	/ 22	en.	l.H.	2
····· <del>·</del>		med	ston	· · · · · · ·	~ 10°		\ <i>\</i>	·····	.لولا.		400	· · · · · · · ·
٠٠٠٠٠	Und	istuled midst	ren	· · •	mid	- d	 Inse	/	25 - 6	50%	, )	starts
		30~	.Üt	σ \	vest o	L.	Βo	ule	Roa	L	· <i>y</i> ··· <b>/</b> ····	V
Other notes:	$\mathcal{D}_{\sigma}$	and character	reste	nd.	oli	Lt Ri		ohung 11.4	.l.	ndf.	····	
		ladjone 3 RE				_	_					
- Ca	n	avoid RE	-   -	18	vine	t	hicke	t l	y co	nstru	cteng	pipeline
	in	avoid RE 30m distubed	cor	edo	n ac	lya	cent	to	Boy	les R	d.	

Tautions Otto Manadation Ass												R.A.	ſΩ (¢	24.0	5/n1
Tertiary Site Vegetation Asses	smer	nt Da ∽	ata S	hee	t			Job	Nu	mbe	r:	עע.	Y.!.	?l.:	
Site Number: KP:	6.	8		As	ses	sor:		CL		D	)ate	. 23	3/1	<u>'</u>	./2006
Location: Alt Residue	¢.	ioso	ing	و د	£	<u></u> <u>C</u>	al	lici	se.	Ri	نمصو	Rd	L		
Site Number: KP:  Location: A-lt Residue  Photo Number: UTM W	VGS8	4	Eas	sting	3	09	74	<u>.O.</u>	, V	Iorth	ing	7 G	360	) 3	77.
Width of RE: <35m wide ; 35-75i	m ;	75-1	50m	; 1	50-30	00m	; >	300 ;	n	ot line	ear	G	110	Ο,	27
Width of total remnant: <35m wide	e; 3	5-75	m ;	75-1	150m	;	150-3	300m	•	>300	;				
Total RE Area: Does not extend be															
Total remnant Area: Does not ext	end be	yond	l site;	<1	ha ;	1-{	5ha;	5-20h	na	; 20	-50h	a ;	>501	ha	
RE code		F	PBC	` eta	fue		1//	MA st	tatu			EPA	ctat		
DNRW RE map 11- 3-4		EFA	00												
Survey result 11.3.4 / 11.	-	-					<del>                                     </del>	<u> 100</u>	10			oc		20	
Canopy stratum growth form:		120	e					Cano	эру	Cro	wn (	Cove	r:	<i>⊉</i>	%
Canopy Median Height:5m.	S	Struc	tural	Coc	le:										
All woody appoins process with	him EO		40		(m).			4		-1 /D			.1		,
All woody species present with	Rel.	<u> </u>	10111		leigh		MULL	ant ar	lu E	ZVK		woo undar		peci	es)
	Dom.			<u>Ocular</u>	estima	ate (m)					Area	); C (Cd	over Es		
Molannica Dimatelis	17	Е	T1	10	T3	S1	S2	G	E	T1	T2	T3	S1	S2	G
Euc Tereticomis	10		15	_		<del>                                     </del>	-			5	٥		<del>                                     </del>		
Cue colors			<del>                                     </del>	12				<del>                                     </del>	<u> </u>		5	<del>                                     </del>	-		-
900 940	-			12							<u> </u>	-			
Melaleuca gunghingwi	L C	<del>                                     </del>		10			l				5				
Con trachabling	(7			10				·			<b>45</b>				
Phanchonia careja	U				5							<5			
Brania Oblera Holia						2							<5		
* Hyparrhenia rufa	С		<u></u> .												10
Habiseus Leterophyllus	U					2						· .	<del>\</del> 5		
** Lantara montgridensis	C							0.2							5
Acacia aulacocorpa Cravia returibolia Heacia fasci culifora Xanthorrhola johnsoni	<i>C</i>			-	5	ļ		Λ		,		5			
Vinna relies folia	()				٠			<u> </u>					<b>—</b> —		<5
Hearia Japan rulitora	مئ)		!		5							5	<b> </b>		
* Anthouhola Johnson	.0					ପ୍ର		0 5							5
T. My Covarda Jamare	المنفد					3		0.5							2
* 3 tack to take a some Timoneer timon timon According houston Lanum	U											-		:	
1 monday do	Č				:			0.5							
Arundenella nepalenias Trichodesma zealanicum A Uphitonia exelsa	C							<u> </u>			-				5
Trichodenna roalanicum	Ū							_		_					, , , , , , , , , , , , , , , , , , ,
Alphitonia erelsa	Ų				-						-		$\neg \uparrow$		
Rock cover (%)															
Baro ground cover (%)													<del></del>	$\overline{}$	

50

Average/Total

Litter cover (%)

Scheduled flora pos	sibi	•									Y / N Y / N
Additional notes on	pes		••••••								1 / IN
							• • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • •		· · · · · · · · · · · · · · · · · · ·	
Weed Cover (%): <	÷5	; <i>(</i> 5 <b>-</b> 25 <i>)</i> ; 25-50 ;	>50								• • • • • • • • • • • • • • • • • • • •
Disturbance (% of s			-5: >5								
•		ent / Very Good / Good		/ Degrade	ed /	Comple	tely Deg	raded (a	lmost w	ithout na	atives)
Slope: Crest; Ridge; F	Jillaci	v. Simple slene: Unner s	lono: Mid s	done. Low	or ela	no Fla	t: Open	donross	ion: Cla	sead dar	arossion
Soils: Map; Cutting, Co			ibility: (Lov	Z			t, Open	depress	ion, on	oseu uel	71 6331011
Soil Colour: whitish; gray	•						pale				
Soil Texture: clay; clay loan		· • · · · · · · · · · · · · · · · · · ·					•	am; sano	ly clay ic	am; loar	n sand
· · · · · · · · · · · · · · · · · · ·	,	<b>,</b> ,,,,	,	,,,,				,			
Table 24 CORVEG landform situation of	odes			Table 25 COR	/EG tvo	es of erosion	nal landform	patterns by s	lope and re	lief class co	des
Landform situation	Code	Landform situation	Code	Slope class					•		
PLAIN  Not otherwise specified, flat gentle	A	HILLS, MOUNTAINS, TABLELANDS  Stope or hill not specified	F	Class	LE Level	VG Very	GE Gently	MO Moderately	ST Steep	VS Very	PR Precipitous
stodes, undulating terrain  Downs, open downs, rolling downs,	<del> </del>	Citf (steep rocky faces), rocky ledge,	1		L	gently inclined	inclined	inclined		steep	
ashy downs, pebbly downs		rocky outcrop, scarp, crack in rock, crevices		Percentage Degrees	<1 0	1-3	3-10 3-8	10–32 7–16	32–56 19–29	56–160 30–45	190 >45
Alluviol plan or flat, alluvium, flood plan	<u> </u>	Coastal rocky head and	IN	(rounded to nearest whole number)							
Inland day pan, salt flat or pan (mland)	V	Top, crest of mountain or ridge Jump-up, mesa, tel/eland, plateau	IK IC	Relief class			Erosional la	andform patte	em .		
STREAMS		DUNE		M Very high >300 m (about	-	-	-	RM Reling	SM Steep	VM Very	PM Precipitous
Lakes, banks of take, river, stream, water course, levees + permanent water	9	Fossii coastal dune, high dune	s	500 m)				mountains	mountains	steep mountains	
Gully, draininge line, ravine gorge, outwash— + intermittently wet	D	Unspecified coastal dune, beach dune, recent coastal dune, low dune, coastal sendrill	R	H High 90— 300 m (about 150 m)	-	-	UH Undulating hills	RH Rolling hills	SH Steep hils	VH Very steep hills	PH Precipitous hi⊈s
Bed of channel—distributaries of inland streams, beds + intermittently flooded	Ë	inland dune, inland sandhill	7	L Low 30= 90 m (about	-	-	UL Undulating	RL Rolling low	SL Steep low	VL Very	B Sadiends
	<u> </u>	WATER	<u> </u>	50 m)			low h⊞s	hills	hills	steep low hills	<u></u>
		Freshwater take, lagoon, spring, stream Freshwater swamp, marsh, sook,	X W	R Very low 9- 30 m (about 15 m)	-	GR: Gently undulating	UR Undulating rises	RR Rolling rises	SR Steep rises	B Badlands	3 Sadiends
		Seconde area Glical, melon hole, sinkhole	Z Y	P Extremely low <9 m)	LP Level	GP Gently	UP Undulating	Reling	B badlands	B Badlands	B Badiands
-		Sommon, and Sommer on the	<u>, , , , , , , , , , , , , , , , , , , </u>		piain	undulating biein	plain	plain			
'articular sensitivi	ties	to proposed impa	acts (inc	i. fragm	ent 	ation)	······	••••••	••••••	•••••	
Special conservati		_								•••••	
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bbserved or Horticu											
		a. 0.0po									
Other notes:	9	.1 1 0		-=+-		ı			n 1		
	ges	ide powerk	ne lac	ament		$\vdash m$	ange	e ouc	hid	·	
Other notes:	2000	ocated with	oma	KL	dr	aina	92 <del>.</del>	line	<u>}∴</u>		
·····-	.v		<i>t</i>			<i>p</i>	:0:0·	اسمدا	1. 2	····-	
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	• • • • • •										

Tertiary Site Vegetation Asses	anopy stratum growth form:  Inopy stratum growth form:  Inopy Median Height: 20m.  Structural Code:  All woody species present within 50m x 10m plot (plus dominant and EVR non-woody species)  Name  Rel.  Dom.  Rel.  Dom.  E ITI T2 T3 S1 S2 G E T1 T2 T3 S1 S2 G  Euc. teretiraris  D 20   15  Cuc. teretiraris  D 20   55  Cuc. cubra  C   55  Co. terellaris  U   15  Cothiochlora partura * C   0.3  Cothiochlora partura * C   55  Cothiochlora partura pa															
Site Number: 10 KP: Location: Plt Rendue, le	ade C	al	leop	. A: يو (ا	sses	sor:	1	e	<u>L</u>	[	Date 	: 24	4.7.9	96	./200	og 7 
Photo Number: UTM V	ygs8	4	Eas	sting	3.	79 ·	42	2	١	Iorth	ning	73	36 es	105	3	
Width of RE: <35m wide; 35-75	m ;	75-1	50m	; 1	50-3	00m	; >	300 ;	n	ot lin	еаг			0 3.	-2	
														ha		
RE code		E	EPB(	C sta	atus		_   V	MA st	tatu	IS	$\neg$	EPA	sta	tus		]
			_					C	2 C							1
Survey result 11.3-4/	1.3-2	5		<u> </u>				(	2 (		100		0	C /	OC	1
Canopy Median Height: .2.9m.	S	Struc	ctura	I Co	de: .	•••••										
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	Dom.	<u> </u>	lta.													
	<del>                                     </del>	-	111	12	13	151	52	6		17	112	13	51	S2	l G	-
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de la componente de la constante	_	~0	1	110		+	1		<del> </del> -	+-				25	†	
Cue Cielas				15	1,0		1		-				-		5	1
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	C				ि	İ	<u> </u>					1			5	
Drybeto dellacher	U				<u> </u>	3	<u> </u>							<u> </u>		
	U			1	1		<u> </u>									1
Molene repers *	U			Ì				0.7								İ
Eustrephus latifolicies	U							0.5				1				
Coura retustolia	U				İ			0.5					<u> </u>			
Hyparrhenia ruda *	V															]
Panecum maximum *	U-C												ļ		250	noad
Urochoa mosanbransex	U-C											"			25	h 11
									i							
On creek:																
Melaleuca flerratiles	Ċ			15						,					10	
Euc tereticaries	C		<u> </u>	20							-				5	
Co tenellous	C			15											5	
Cuptostegia gandella **	U					-	2							<b>&lt;</b> 5		
V V					<u> </u>											
Rock cover (%)																
Bare ground cover (%)																
Litter cover (%) 20			<u> </u>													
Cryptogam cover (%)			<u> </u>													

Scheduled flora possib	ilities: No / Yes (if									
Additional notes on pe	st plants		•••••							Y / N
	·····		• • • • • • • • • • • • • • • • • • • •	• • • •		• • • • • • • • • • • • • • • • • • • •		• • • • • • •		
	; (5-25); 25-50	; >50		••••						
Disturbance (% of site a		, I-5; >5								
	ent / Very Good / Good		Degrade	ad /	Comple	tely Dea	raded (a	Imaet w	ithout n	etivee)
readi. Pristine / Lacen	ent / Very Good / Good	Avelage	Degrade	zu /	Comple	reiy Deg	raueu (a	IIIIOSt W	itilout na	alive3)
Slope: Crest; Ridge; Hilloo	k; Simple slope; Upper s	slope; Mid	elope; Low	er slo	pe; Fla	t; Open	depress	ion; Clo	sed dep	oression
•	Surface observation Relia		•	•						
Soil Colour: whitish; grayish;					-	pale				
Soil Texture: clay; clay loam; si	Ity loam; loam; sandy loam;	sand; stony	r; silty clay; €	andy	clay; sil	ty clay lo	am; sand	ly clay lo	am; loar	n sand
Table Recording lands are lived to a second										
Table 24 CORYEG landform situation codes  Landform situation Code	Landform situation	Code	Slope class	EG typ	es of erosion	ial landform	patterns by s	lope and re	ief class co	des
PLAIN  Not otherwise specified, flat gentle  A	HILLS, MOUNTAINS, TABLELANDS Slope or hill not specified	l F	Class	LE	VG	GE	МО	ST	vs	PR
siopes, undulating termin  Downs, open downs, reiling downs,	Cliff (steep rocky faces), rocky ledge,	l L		Level	Very gently inclined	Gently inclined	Moderately inclined	Steep	Very steep	Precipitous
ashy cowns, pebbly downs	rocky outcrop, scarp, crack in rock, crevices		Percentage Degrees (rounded to nearest whole	0	1-3	3-10 3-6	10–32 7–18	32–56 19–29	56–100 30–45	190 >45
Aftuvial plan or flat, dituvium, flood plain   5 fnland clay pan, salt flat or pan (inland)   U Tidal flat, solt flat (coastal)   V	Coastal rocky headland Top, crest of mountain or ridge Jump-up, mesa, tableland, plateau	K C	number) Relief class			Erosional la	ndform patte	l		L
STREAMS	DUNE		M Very high	-	1-	-	RM	SM	VM	PM
Lakes, banks of lake, river, stream, C water course, levees + permanent water	Fossi coastel dune, high dune	S	>300 m (about 500 m)				Rolling mountains	Steep mountains	Very steep mountains	Precipitous
Gully, drahage line, ravine gorge, Doutwash	Unspecified coastal dune, beach dune, recent coastal dune, low dune, coastal sandhill	R	H High 90= 300 m (about 150 m)	1	_	UH Undulating hits	RH Rolling hits	SH Steep hills	VH Very steep hills	PH Precipitous hills
Bed of channel—distributaries of inland streams, beds - intermittently flooded	Inland dune, inland sendhill	T	L Low 30- 90 m (about 50 m),	_	-	UL Undulating low hills	RL Rolling low hills	SL Steep low hits	VL Very steep few	8 Sed/ends
		X	R Very low 9- 30 m (about 15 m)	-	GP. Gently undulating	UR Undulating rises	RR Rolling rises	SR Steep rises	hills B Backands	B Badiands
	Freshwater swamp, marsh, soak, seepage area Gagai, melon hole, sinkhole	W	P Extremely (ow <9 m)	LP Level	GP Gently	UP Undulating	Re Rolling	B badlands	B Badlands	3 Sadiands
		ĬY -	iow 43 mi)	plain	undulating plain	plain	plain	Dasjares	Dasianas	Satistics
			Source: Speight	(1930)						
Particular sensitivities	s to proposed impa	acts (inc	l. fragm	ent	ation)	<b>:</b>				
		· · · · · · · · · · · · ·								
		• • • • • • • • • • • • •		• • • • •			• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •	
Special conservation	significance.									
-										
recreational							. <i></i>			
recreational bserved or Horticultur	ral Crops	azing								
	•	U								
Other notes:	la - + ,	0000	الم ي	,		store	_			
Ther notes:  - Some - Recent - reage	Par grass		J		~,,,,,,,,	20005	ţ		•••••	• • • • • • • • • • • • • • • • • • • •
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Tertiary Site Vegetation Asses	sment	Data	Shee	ŧ			Job	Nu	mbe	r:	B 6	018	34	00	<u>. (</u>
Site Number: KP: Location: Alt Residue	X.P.		As	sses											
					> 17	$\sim$		••••	• • • • •			10		1 0	
Photo Number: 1320 UTM W	/GS84	Εa	sting	٠ز	>.!!.(	$\mathcal{Y}\mathcal{Q}$	<i>.Q.</i>	Ν	Iorth	ing .	./7				
Width of RE: <35m wide ; 35-75r Width of total remnant: <35m wide Total RE Area: Does not extend be Total remnant Area: Does not extend	∋; 35. eyond si	-75m te; <1	; 75- ha ;	150m 1-5l	i ; ha;	150-3 5-20l	300m na ;	; 20-	>300 50ha	-; ( ;	>50h	near		34-	•
RE code,		EPE	C sta	atus		V	MA s	tatu	s		EPA	stat	us		7
DNRW RE map 12-11-6/12.	11.14			-			NOC	10	C			Ne	2/0	C	1 .
Survey result 12.11.6				-			1	10	C				Ć		]
Canopy stratum growth form: Canopy Median Height:m.  All woody species present with	St	ructura	al Co	de:	••••••	•••••			• • • • • •				• • • • • •	••••	
Name	Rel.		ŀ	Heigh	ıt						ındaı		Poor	<del>50</del> ,	]
	Dom.	E T1	Ocular IT2			S2	G	E E	(Basa	l Area) T2	; C (C	over E	stimate IS2	∌)  G	1
<u> </u>	.			1				<u> </u>	<u> </u>	12_	-	ļ <u>.                                    </u>	<u> </u>		
Co citridora	A	16					:		10						
Eur crebra	C	15	,						5						]
Euc Sibrosa	$\lfloor U \rfloor$		12							<5					1
Cor eruthrophloia	$\left[ U \right]$		10	1						<5					1
Lophostemon suspeolens	0		8							<5					1
ļ					ļ				_						]
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			_	<u> </u>	ļ							<u> </u>	<u> </u>	<u> </u>	
Xantharrhoea johnsoni	U			<u> </u>		2		ļ	ļ				<5	·	
logonoldrus reticulatus	C			ļ ,		1.5						<u> </u>	45		]
A Caco of	C			4	ļ. · · ·					<u> </u>	5		<u> </u>	10	-
Longadra sp	<u>U</u>			<u> </u>			0.5	_				<u> </u>		<u>\</u>	
Themeda triandra *	C	_ _					/							10	1 Cin
Hyparolleria rufa *	1/						/					<u> </u>		<b>&lt;</b> 5	Cleare
Husteda Pp	C		<del> </del>									<u> </u>		5	areas
			<u> </u>	<del> </del>			·		-			<del>  -</del>			
		-	_				_					<del></del> '		<u> </u>	
<u> </u>	!		+										<del>-</del> -		
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		-	<del>  -</del>									<del></del>			
		$\overline{}$		_	<u> </u>							$\vdash \vdash$	<del>                                     </del>		
Rock cover (%)					_					<u>'</u>		$\vdash$			!
Bare ground cover (%) 20			_											-	
Litter cover (%) 50		<del>-</del> -		_	_			-							
Cryptogam cover (%)					_									$\neg \neg$	

Average/Total

Scheduled flora possibilities: No / Assis (if so	·														
Additional notes on pest plants  Weed Cover (%): (<5/): 5-25: 25-50: >50  Jisturbance (% of site affected): 0, <1; 1-5; >5  Health: Pristine / Excellent / Very Good (Good Average / Degraded / Completely Degraded (almost without natives)  Slope: Crest: Ridge: Hillock Simple slope: jupper slope: Mid slope: Lower slope: Flat; Open depression; Closed depression Solies: Map: Cutting, Core: Surface consemption Reliability: (Journal Map) Map: Map: Map: Map: Map: Map: Map: Map:	Scheduled flora pos	ssibi	lities: No / 🚜 (if	so			• • • • •			<b></b>					
Disturbance (% of site affected): 0, <1; 1-5; >5  Health: Pristine / Excellent / Very Good (Sood) Average / Degraded / Completely Degraded (almost without natives)  Slope: Crest; Ridge; Hillook Simple slope; Upper slope: Mid slope; Lower slope; Flat; Open depression; Closed depression soils: Mep; Cutting, Core; Sorface obsergation Reliability: (Inc.) Medium, High Soil Colour: whitish: graysh; motiled; yellow; orange; (frown; red) black; dark; grey, pale  Soil Texture: clay; clay loam; slity loam; loam; sandy loam; sand; sloon; slity clay sandy clay pally clay loam; sandy clay loam; loam; sandy loam; sandy loam; sandy loam; sandy loam; sandy loam; sandy loam; sandy loam; slower of the sandy sandy sandy clay loam; sandy clay loam; loam sand sandy loam; s	Additional notes on	pes	t plants					•••••							
Disturbance (% of site affected): 0, <1; 1-5; >5  Health: Pristine / Excellent / Very Good (Sood) Average / Degraded / Completely Degraded (almost without natives)  Slope: Crest; Ridge; Hillook Simple slope; Upper slope: Mid slope; Lower slope; Flat; Open depression; Closed depression soils: Mep; Cutting, Core; Sorface obsergation Reliability: (Inc.) Medium, High Soil Colour: whitish: graysh; motiled; yellow; orange; (frown; red) black; dark; grey, pale  Soil Texture: clay; clay loam; slity loam; loam; sandy loam; sand; sloon; slity clay sandy clay pally clay loam; sandy clay loam; loam; sandy loam; sandy loam; sandy loam; sandy loam; sandy loam; sandy loam; sandy loam; slower of the sandy sandy sandy clay loam; sandy clay loam; loam sand sandy loam; s			•••••	· · · · · ·	• • • • • •					• • • • • • •		• • • • • • • • • • • • • • • • • • • •			
Health: Pristine / Excellent / Very Good   Good   Average / Degraded / Completely Degraded (almost without natives)  Slope: Crest; Ridge; Hillock Simple.sippe; Upper slope; Mid slope; Lower slope; Flat; Open depression; Closed depression Soils: Map; Outling, Core; Sofface obseryation Reliability; (Low, Medium, High Soil Colour: whitish; grayish; motiled; yellow, orange; brown; red; black; dark; grey; pale  Soil Texture: clay; clay loam; sinty loam; loam; sandy loam; sand; stony; silty clay (sandy clay; sandy clay; loam; sandy clay loam; loam sand gray ship; clay (sandy clay; sandy clay) sand; sandy clay; sandy clay loam; sandy clay loam; loam sand gray ship; clay (sandy clay; sandy clay) sand; sandy clay; sandy clay; sandy clay loam; sandy clay loam; sand; stony; silty clay (sandy clay; sandy clay; sandy clay; sandy clay loam; sandy clay; sandy c	Weed Cover (%):	(5)·	; 5-25 ; 25-50 ;	; > <del>!</del>	50	high	la	i d	2arld	are	20				
Slope: Crest; Ridge; Hillock Simple slope; Upper slope; Mid slope; Lower slope; Flat; Open depression; Closed depression Solis: Map; Cutting, Core; Sofface obseryalion. Reliability: (Low, Medium, High Soil Colour: whileh; grayish; motiled; yellow, orange; brown; red; black; dark; gray; paie  Soil Texture: clay; clay loam; sandy loam; sandy loam; sand; story; silty clay (sandy clay; paie)  Table 24 CORVIG landsom situation codes. Landsom situation states of the control of the contro	Disturbance (% of s	ite a	ffected): 0, <1; 1	-5;	>5										
Soils: Map; Cutting, Core; Sorface observation Reliability: Low Medium, High  Soil Colour: whitish; grayish; motited; yellow; orange; forown; red;) black; dark; grey, pale  Soil Texture: clay; clay loam; sitty loam; loam; sandy loam; sand; stony; sitty clay (sandy clay) sitty clay loam; sandy loam; sandy loam; sandy clay loam;	Health: Pristine / E	xcelle	ent / Very Good / Good	) Av	erage	/ Degrade	ed /	Comple	tely Deg	raded (a	ılmost w	ithout na	atives)		
Soil Colour: whitish; graylish; motiled; yellow; orange; brown; rest; black; dark; grey; pale  Soil Texture; clay, clay loam; silty loam; loam; sandy loam; sand; stony; silty clay, sandy clay loam; sandy clay loam; sandy clay loam; sandy clay loam; sandy clay loam; sandy clay loam; sandy clay loam; sandy clay loam; sandy clay loam; sandy clay loam; sandy clay loam; sandy clay loam; sandy clay loam; sandy clay loam; sandy clay loam; sandy clay loam; loam sand grows and sale class codes  Table M CORVIG Inagions situation coles  Table M CORVIG Inagions situation coles  Table M CORVIG Inagions situation by slope and sale class codes  Table M CORVIG Inagions situation by slope and sale class codes  Table M CORVIG Inagions situation by slope and sale class codes  Table M CORVIG Inagions situation by slope and sale class codes  Table M CORVIG Inagions situation by slope and sale class codes  Table M CORVIG Inagions situation by slope and sale class codes  Table M CORVIG Inagions situation by slope and sale class codes  Table M CORVIG Inagions situation by slope and sale class codes  Table M CORVIG Inagions situation by slope and sale class codes  Table M CORVIG Inagions situation by slope and sale class codes  Table M CORVIG Inagions situation by slope and sale class codes  Table M CORVIG Inagions situation by slope and sale class codes  Table M CORVIG Inagions situation by slope and sale class codes  Table M CORVIG Inagions situation by slope and sale class codes  Table M CORVIG Inagions situation by slope and sale class codes  Table M CORVIG Inagions situation by slope and sale class codes  Table M CORVIG Inagions situation by slope and slope class codes  Table M CORVIG Inagions situation by slope and slope class codes  Table M CORVIG Inagions situation by slope and slope class class codes  Table M CORVIG Inagions situation by slope and slope class cl	•			-				-	t; Open	depress	ion; Clo	sed der	ression		
Soil Texture: clay; clay loam; silty loam; sandy loam; sandy loam; sandy loam; sandy clay l	, ,	, (						,	pale						
Table 24 CRIVICS Landform situation ondes    Table 24 CRIVICS Light from Statistics   Code			_	<u> </u>		<b>ノ</b>		/ .	•	am; sand	dy clay lo	am; loar	n sand		
Siops dase   Sio							_								
PLANE   DOCUMENTOS   PLANE   PROCESSION			Landlorm situation	Code	1	Table 25 CORV	EG typ	es of erosio	nal landform	patterns by s	slope and re	lief class co	des		
Not otherwise specified, Statipopting   A   Surges of his cot specified   F   Surges of his cot specified			HILLS, MOUNTAINS, TABLELANDS		1										
abby scores, petably downs  croky author, petably downs  croky author, petably downs  croky author, petably downs  abbreat plan of flat abbream flood name is croked in red.  abbreat plan of flat abbream flood name is croked in red.  abbreat plan of flat abbream flood name is croked in red.  abbreat plan of flat abbream flood name is croked in red.  abbreat plan of flat abbream flood name is croked in red.  abbreat plan of flat abbream flat abbream flat abbream is croked in red.  abbreat plan of flat abbream flat abbream flat name is croked in red.  but name abbream flat abbream flat abbream flat name is croked in red.  compared to the flat flat of the flat flat of the flat flat flat flat flat flat flat flat	slopes, undulating terrain	^	, ,		1	Class		Very gently	Gentiy	Moderately		Very			
Abuver jabr or flat sharours, flood or en   B   Coasted (rosy) traditions   N   Increase twith the land of the product of th	Table 24 CORVEG landform situation codes  Landform situation   Code   Landform situation   Code   PLAIN   HILLS, MOUNTAINS, TABLELANDS   Not otherwise specified, flat gentle stopes, undulating termin   Downs, open downs, reling downs, ashy downs, ashy downs, pebbly downs    Class   LE   VG   GE   MO   ST   VS   PR   Precipitous   Class   Level   Very   Gently   Inclined   Inclined   Inclined   Inclined   Degrees   Tooky outcrop, scarp, crack in rock, crevices    Alluvel plan or flat, altuvium, flood plain   B   Coastal rocky headand   N   Infand clay pen, salt fail or pen (infand)   U   Top, crest of mountain or ridge   K    Table 25 CORVEG types of erosional landform patterns by slope and relief class codes    Slope class    Class   LE   VG   GE   MO   ST   VS   PR   Precipitous   Infand clay pen, salt fail or pen (infand)   U   Top, crest of mountain or ridge   K    Table 25 CORVEG types of erosional landform patterns by slope and relief class codes    Slope class    Class   LE   VG   GE   MO   ST   VS   PR   Precipitous   Infand clay pen, salt fail or pen (infand)   U   Top, crest of mountain or ridge   K    Table 25 CORVEG types of erosional landform patterns by slope and relief class codes    Slope class    Class   LE   VG   GE   MO   ST   VS   PR   Precipitous   Infand clay pen, salt fail or pen (infand)   U   Top, crest of mountain or ridge   K														
Windows   Wind	No. of the second state of		Country spaint handrand	1		nearest whole	i		`						
Likes, banks of Gave, river, steems, woor course, levees - perminent water Coulty, dranker, like, in routes program of the course, levees - perminent water Coulty, dranker, like, in routes program of the course, course, levees - perminent water Coulty, dranker, like, in routes program of the course, county of the course, course, county of the course,	Landform situation   Code   Landform situation   Code   HiLLS, MOUNTAINS, TABLELANDS														
Lake, brain of lake, here, treetin, water cours, lever - perminent vater (state) water cours, lever - perminent vater (state) of the perminent vater (state	Table 24 CORVEG landform situation codes  Landform situation   Code   Code   Landform situation   Code   Code   Landform situation   Code   Code   Landform situation   Code   Co														
Coulty cardinage lines, praving porper, convolvant—a literation protection of consorted durine, bread durine, br	oil Colour: whitish; grayish; mottled; yellow; orange; brown; red; black; dark; grey; pale  oil Texture: clay; clay loam; silty loam; loam; sandy loam; sand; stony; silty clay, sandy clay; silty clay loam; sandy clay; silty clay loam; sandy clay; silty clay loam; sandy clay; sandy clay; silty clay loam; sandy clay; silty clay loam; sandy clay; silty clay loam; sandy clay; sandy clay; silty clay loam; sandy clay; sandy clay; silty clay loam; sandy clay; sandy clay; sandy clay; silty clay loam; sandy clay; sandy clay; sandy clay; silty clay loam; sandy clay; sandy clay; sandy clay; silty clay loam; sandy clay; sandy clay; sandy clay; silty clay loam; sandy clay loam; sandy clay loam; sandy clay loam; sandy clay; sandy clay; silty clay loam; sandy clay; sandy clay; silty clay loam; sandy clay; sandy clay; silty clay loam; sandy clay; sandy clay; silty clay loam; sandy clay; sandy clay; sandy clay; silty clay loam; sandy clay; sandy clay; silty clay loam; sandy clay; sandy clay; sandy clay; silty clay loam; sandy clay; sa														
Streams, beds - intermittently flooded   WATER   WATER   So on (about 50 m)   WATER   So on (about 50 m)   WATER   So on (about 50 m)   WATER   So on (about 50 m)   R Very lws 9 - GR Gently 12 m)   Gently 13 m) (about 12 m)   Gently 13 m) (about 12 m)   Gently 13 m) (about 13 m)   Gently 13 m)   Gent	Table 24 CORVEG landform situation codes  Landform situation  Code  Landform situation  Siops and situation  Siops and situation  Level Very Codenty  Included  Lond Situation  Lond Situation  Level Very Codenty  Included  Lond Situation  Level Very Codenty  Included  Lond Situation  Level Very Codenty  Included  Level Very Codenty  Included  Level Very Codenty  Included  Level Very Codenty  Included  Level Very Codenty  Included														
Particular sensitivities to proposed impacts (incl. fragmentation):  Special conservation significance:  cultural  commercial  recreational  observed or Horticultural Crops  Other notes:    Water   Prechamber Man, Isaach,		E	inland dune, inland sendhill	Ī		fueda) m 08	-	-	Undulating	Rolling low	Stace low	Very			
Treetwater lake, layoun, partan, based, lake lake lake lake lake lake lake lake			WATER				-	GR:	UR /	RR		hills B			
Source: Special conservation significance:   Cultural commercial recreational observed or Horticultural Crops   Conserved			Freshwater swamp, marsh, soak,			15 m)	10	undulating rises	rises	dises.	rises				
Particular sensitivities to proposed impacts (incl. fragmentation):  Special conservation significance:  cultural  commercial  recreational  observed or Horticultural Crops  Other notes:  Advant to high hence yas pipeline and add track (old rankway line?)			Gřasi, melon hole, sinkhole		]		Level	Gently undulating	Undulating	Rolling					
Special conservation significance:  cultural  commercial  recreational  observed or Horticultural Crops  Other notes:  Adjacent to high pressure gas pepulino and old track (old railway line?)						Source: Speight	(1990)								
Special conservation significance:  cultural commercial recreational observed or Horticultural Crops  Other notes:  Advant to high pressure gas pipeline and old track (old railway line?)	Particular sensitivi	ities	to proposed impa	acts	(inc	l. fragm	ent	ation)	<b>:</b>						
Special conservation significance:  cultural  commercial  recreational  observed or Horticultural Crops  Other notes:  Advant to high pessure gas pipeline and add track (old railway line?)		· · · · · ·						• • • • • • • • • • • • • • • • • • • •							
cultural commercial recreational  observed or Horticultural Crops  Other notes:  Adjacet to high pressure gas pipeline and ald track (old railway line?)	***************************************		••••••	••••		• • • • • • • • • • • • • • • • • • • •	• • • • •			•••••		• • • • • • •			
cultural commercial recreational  observed or Horticultural Crops  Other notes:  Adjacent to high pressure gas pipeline and old track (old railway line?)	Special conservati	on s	significance:												
recreational  observed or Horticultural Crops  Other notes:  Adjacent to high pressure gas pipeline and old track (old railway line?)	•		_												
Other notes:  Adjacent to high pressure gas pipeline and old track (old railway line?)	commercial.		,												
Other notes:  Adjacent to high pressure gas pipeline and old track (old railway line?)			•												
- Adjacent to high pressure gas pipeline and old track (old railway line?)	observed or Horticu	altura	al Crops					• • • • • • • •							
- Adjacent to high pressure gas pipeline and old track (old railway line?)	Other notes:			,	V	1.					4				
old track (old railway line?)  - creekline about 100 m to North	Other notes.		Hosacert	to.	her	sh press	me	e ga	a kel	reline	and	·			
- creekline about 100 m to North	old		track (ol	<u>,                                     </u>	rai	livay	le	me?	ʻ.)'						
chantine assur 100 m so 100 m		::û:7	j		'nΆ	<u>/.</u> .		·/·::#	·						
	- Ge	ev( )	ine avour	(	/.V?	<u>, o</u>	!	v a rvy	······				•••••		
							• • • • • • • • • • • • • • • • • • •			••••••	• • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • •			
	·····		***************************************	• • • • • •									•••••		
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Tertiary Site Vegetation Asses	smer	nt Da	ata S	Shee	et			Job	Nu	mbe	r:	B 6	<u>6 l</u>	84	00
Site Number: KP: Location: Gladstone Al	lt (	Resi	du	As	sses	sor:	<u>C</u>	L	••••	C	ate	: .!4	L /	8	./200
Photo Number: 1602 UTM W	/GS8	4	Eas	ting	3	56	60	00	N	lorth	ing	7	35	3.	362 t 1
Width of RE: <35m wide; 35-75m Width of total remnant: <35m wide Total RE Area: Does not extend be Total remnant Area: Does not extend be Total remnant Area:	e; 3 eyond	5-75 site;	m ; <1h	75-' a ;	150m 1-5l	; na;	150-3 5-201	300m na ;	; 20-	>300 50ha	; ;	Rot lir ≥50h	$\overline{a}$	)	n I
RE code		E	EPB(	) sta	atus		. VI	MA st	atu	s		EPA	sta	tus	
11 11 1															
DNRW RE map        1-1 -3 /  1-1 -15 /  1-3-26   -       -       N/N/N         Survey result        1-1 -3       -       N/															
Canopy Median Height:?5m.  All woody species present with	9 1 nin 50	Struc Im x	tural	Coo plot	de: t (plu	 ıs do	•••••			• • • • • •	non-		 dy s	•••••	••••
DNRW RE map 11-11-15/11-3-26 - N/N/N N/N/N															
	Dom.	E	T1	Jcular T2	estima IT3	ate (m)	S2	G	IE.	(Basal					
					<u> </u>							<u> </u>		1	
Euc viebra	$\Box$	<u> </u>	15							15		<u> </u>			
Cor citriodora	D		15							15					
Eur excerta	U		12		İ		<u> </u>		i	<5					$\Box$
Lophostemon ouvocolens	U			7	7					Ť	<b>&lt;</b> 5			†	
Alphitona excelsa	Č		1		3		-					<5		T	
17-50147001424 2000000	<u> </u>				1										$\vdash$
Pterocaulor Sphacelatum	U							0.75			_			<del></del>	
Sida subspicata	c		1		<del> </del>		<u> </u>	1							-
Holesakon catati	D				<del> </del>		-	075	_			<del>                                     </del>		<del>                                     </del>	
On tella colicie	C	<u> </u>						0.5							
Charles dellar	C							0.5							$\vdash$
Maller &	Ū							0.5							$\vdash$
leastle leave +	Ü	!				2		1			-				$\vdash$
Austra calcino?  Chusofogon Sallax  Melens repens *  Passilora suberosa *  Dodonala viscosa?	1)				-	<i>∞</i>		1							$\vdash$
of the constant	6					2									
- O to see a land	Ū	-		_	!	Ο×.		1.5							$\vdash$
- Osteraceae Arub - Osteraceae Arub - toothed lead aromatic								1-5	_					<del>-</del>	
coo mea gay avonance												!			
									-			<b></b>			
								-							<del>                                     </del>
Plats 50								+						<del>  </del>	
Rock cover (%)		<u> </u>						-							<del>  </del>
Bare ground cover (%)								٠.							

25

C

Litter cover (%)

Scheduled flora pos	sibi	lities: No / 🚧 (if	so								Y / N Y / N
Additional notes on	pes	t plants	•••••					•••••			
	·····	•••••		•••••		• • • • • • • • •	• • • • • • •		• • • • • • • •		
Weed Cover (%):	5	; 5-25 ; 25-50 ;	; > <u></u>	50	••••	••••••	• • • • • • • • •		•••••	•••••	
Disturbance (% of si	ite a	ffected): 0, <1; 1	-5;	>5							
Health: Pristine / Ex	kcelle	ent Very Good / Good	/ Av	erage / Degrade	ed /	Comple	tely Deg	raded (a	lmost w	ithout na	atives)
Slope: Crest; Ridge; F	Hillock	k: Simple slope: Upper s	lope:	Mid slope: Low	er slo	pper Fla	t: Open	depress	ion: Clo	sed der	ression
Soils: Map; Cutting, Co.			-	: Low, Medium,					•	•	
Soil Colour: whitish; gray	ish;	mottled; yellow; orange;	brov	wn; red; black;	dark	c:_grey;	pale				
Soil Texture: clay; clay loan	m; silt	y loam; loam; sandy loam;	sand;	; stony; silty clay;(s	sandy	clay, sil	ty clay loa	am; sand	y clay lo	am; loar	n sand
				`	_			v. •			
Table 24 CORVEG landform situation of				Table 25 COR	/EG typ	es of erosio	nal landform	patterns by s	lope and rel	ief class cod	tes
Landform situation	Code	Landform situation HILLS, MOUNTAINS, TABLELANDS	Code	Slope class							
Not otherwise specified, flat gentle	A	Siope or hill not specified	( )	Class	LE Level	VG Very	GE Gentiy	MO Moderately	ST Steep	VS Very	PR Precipitous
stopes, undulating terrain  Downs, open downs, rolling downs, ashy downs, pabbly downs	•	Cliff (steep rocky faces), rocky ledge, rocky outcrop, scarp, crack in rock.	L	-		gently inclined	inclined	inclined		gieep	
		crevices		Degrees (rounded to nearest whole	<1 0	1-3	3.5	7-18	32–56 19–29	56-100 30-45	100 >45
	U V	Coastal rocky headland Top, crest of mountain or ridge Jump-up, mesa, tableland, plateau	IK IQ	number) Relief class			Erosional la	ndfonn patte	rn	L	
STREAMS	· ·	DUNE		M Very high	1-	1-	_	RM	SM	VM	PM
Lakes, banks of lake, river, stream, water course, levees + permanent water	C	Fossil coastel dune, high dune	s	>300 m (about 500 m)				Rolling mountains	Steep mountains	Very steep	Precipitous
Gully, drainage line, ravine gorge,	D	Unspecified coastal dune, beach dune,	R	H High 90-	-	-	UH Undulating	RH Rolling	SH Steep hills	mountains VH Very	PH Precipitous
outwash → intermittently wet  Bed of channe!—distributaries of inland	Ē	recent coastal dune, low dune, coastal sandhill thiand dune, inland sandhill	T	300 m (ebout 150 m)			hilis	h#s		steep fills	hilis
streams, beds + intermittently flooded				E Low 32— 90 m (about 50 m)	-	- (	OL Undulating low hills	RL Rolling low hills	SL Steep low hills	VL Very steep low hills	8 Bediends
		WATER		R Very low 9- 30 m (about	-	GR Gently	UR Undulating	RR Rolling	SR Steep	B Backinds	B Badiands
		Freshwater lake, lagoon, spring, stream Freshwater swamp, marsh, soak, seepage area	W	15 m)		undulating \	rises	rises	rises		
		Glaat, meton hote, sinkhote Saltwater, sea, saltwater awamp	Z	P Extremely low <9 m)	Level plain	GP Gently undulating	UP Undulating plain	Refling plain	B badlands	B Badlands	B Bediands
				Source: Speigh	(1930)	plain .					
D411	4	4	4 _	/:	4	4 \			/		
Particular sensitivi		• •				-					• • • • • • • • • • • • • • • • • • • •
•••••	•••••										
	• • • • •		• • • • •		••••	• • • • • • •	*******	•••••••	• • • • • • •		
Special conservati	on s	significance:									
-											
· ·											
observed or Horticu											
		•									
Other notes:	- /	. 11	11	1			1-4	L1		•	
VI	ide	2 small gi	للل	y ·	٠٠	ey.		ب_يلا	no-	e con	
		<u> </u>			þŧ	<u> </u>	1883.	<u>-5.</u>			
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Tertiary Site Vegetation Asses															
Site Number: KP:				Δα	:565	sor.	(	CL		г	)ate	. 14	-,	0	/200
Site Number: KP: Location: Gladstore fl.  Photo Number: 1687. UTM W	1+	Rose	1	, /\ o	,,,,,,	301.	•••••			۰ ـ	alc				./200
Location: "Factorial"	<u></u>	الحاد	بببرير	<i>ج</i> ,	·····	·····			••••	••••	••••	·····			
Photo Number: ./\@./ UTM W	/GS8	4	Eas	sting	≥.	Q!	<i>?</i> .	. / ]	1	Iorth	ing	!;	13. <del>4</del>	- ベ	3 <del>4</del> .
MUMB CDE OF U	(												/موبها	pt o	05
Width of RE: <35m wide ; 35-75r	n ; \	(5-1	50m>	;_1	<u>50-</u> 31	JUm	; >	300 ;	; n	ot line	ear				
Width of total remnant: <35m wide															
Total RE Area: Does not extend be Total remnant Area: Does not extend be														ho	
Total Totaliant Area. Boes not extend	ena be	yonc	ı sıte,	-1	ııa ,	1-4	Ji ia,	Ų-ZŲI	ıa	, 20	-501	ıa,	-50	IIa	
RE code		ΙE	PBO	C sta	tus		Τv	MA st	tatu	s		EPA	stat	us	
DNRW RE map  1-11-3/11-11-15/11	3.26/	11.11.1	8	/	- ] -	Jε	N	/N/	N	E		<u>~/~</u>			
Survey result 11.3.4					<u></u>		i	1	$\overline{\vee}$			•	$\frac{1}{\lambda}$		-
	+													7 n	_
Canopy stratum growth form:	!	ree			• • • • • •	• • • • • •		Can	ору	Cro	wn '	Cove	<u>:::</u>	<i></i>	%
Canopy Median Height:lm.	S	truc	tural	Cod	de: .			• • • • • • •							
All was also make a was a set with	.: <b>-</b> 0		40	[ - 4	. / 1		<b>.</b>			- 1/0					
All woody species present with Name	Rel.	m x							na E	:VK		-woo unda		peci	es)
Name	Dom.			Ocular	estima	t ate (m)	)			(Basa		); C (C		stimate	∍)
Q + 1.	C	E	<del>  '                                   </del>	T2	T3	S1	S2	G	E	T1 *	T2	T3	S1	S2	IG
Euc tereticomis Cor atriodora	<u>C</u>		18 18		<del>                                     </del>	-	<del> </del>			! ~			-	┼	
Euc crebra	C		16	-			<del>                                     </del>		<u> </u>	10 15			<del>                                     </del>	+-	
Mallotus whillebensis	U	-	10		2	<u> </u>	<del> </del>			,,		+	+	<del>                                     </del>	
Petalostiona Julescens	Ū		'		3		<u> </u>		<u> </u>			+-	$\vdash$	<del> </del>	
Geigera salicitolia?	Ū			5	-								-		<del>                                     </del>
Pogonolobres reticulating	U				2		•								
Carissa orrata	U					2									
Trophis scanders	U				3										
(redfundwith fleshy base)								<u></u>				ļ			
Eustrephus latifolius	U							1					<u> </u>	ļ	
domandra do	1/							!				ļ	<u> </u>		
Heteropogo contatus	C				_	<u> </u>		/					_		10
Silvana Ixelsa	C				2			1.5					<u> </u>	<del>                                     </del>	10
CITATE : A 100 +x	U					1.5		1 10			_		-	<del>                                     </del>	,,,
1 + mating	C					11.7		0.2				<del> </del>		<u> </u>	15
11 camara XX	U					2		2				†	-		-
Passilora suberosa +	U					Ž									
Melinis repens *	V							0.75							
Diospyros gominata	Û				1										
Rock cover (%) 5															
Bare ground cover (%)															
itter cover (%) 50		- 1										1	1 1	i J	1

Scheduled flora possi	ibilities: No / Yes (if	so	• • • • • • • • • • • • • • • • • • • •	••••						Y / N
Additional notes on pe	est plants			••••				colle	cted?	Y / N 
	······	•••••		••••		• • • • • • • • • • • • • • • • • • • •			• • • • • • •	• • • • • • • •
Weed Cover (%): <5	; (5-25); 25-50	; >50	)	••••	••••••			• • • • • • • • • • • • • • • • • • • •		
Disturbance (% of site	affected): 0, (<1;)	-5; >	∙5							
Health: Pristine / Exce	ellent / Very Good / Good	/ Aver	age Degrade	d /	Comple	tely Deg	raded (a	ılmost w	ithout n	atives)
Clamata i att i inn				_	×-:		_			
SIOPE: Crest; Ridge; Hille Soils: Map; Cutting, Core;		:lope;	Low, Medium,	er sic Hid	/	t; Open	depress	ion; Clo	osed de	pression
	n; mottled; yellow; orange;	1			<u>α:</u> grey;	pale				
Soil Texture: clay; clay loam;					1	•	am: sano	iv clav lo	am: loai	m sand
,,	,,,,					.,,	,	.,,	,	
Table 24 CORVEG landform situation code			Table 25 CORV	EG typ	es of erosio	nal Jandform	patterns by :	slope and re	lief class co	des
Eandform situation Co	HILLS, MOUNTAINS, TABLELANDS	Code	Slope class							
Not otherwise specified, flat gentle A slopes, undulating terrain Downs, open downs, rolling downs,	Slope or hill not specified  Cliff (steep racky faces), rocky ledge,	F	Class	LE Levei	gently	GE Gently inclined	MO Moderately inclined	ST Steep	VS Very steep	PR Precipitous
ashy downs, pabbly downs	rocky outcrop, scarp, crack in rock, crevices		Percentage Degrees	<1 0	inclined 1-3 1-2	3-10 3-5	)18–32 7–1ô	32–56 19–29	56-100 30-45	100
Afluvial plain or flat, alluvium, flood prain, B	Coastal rocky headland	N	(rounded to nearest whole number)				1-10	15=23	32-3	
Inland day pen, salt flat or pen (inland) U Tidal flat, salt flat (coastal) V	Top, crest of mountain or ridge Jump-up, mess, tableland, plateau	íĸ	Relief class		•	Erosional la	andform patte	<u> </u>		·
STREAMS	DUNE .		M Very high	-	-	-	RM	SM	VM	PM
Lakes, banks of take, river, stream, water course, levees + permanent water	Fossii coastal dune, high dune	s	>300 m (about 500 m)				Rolling mountains	Steep mountains	Very steep mountains	Precipitous
Gully, drainage line, ravins gorgs, outwash— + Intermittently wet	Unspecified coastal dune, beach dune, recent ocastal dune, low dune, coastal sendnil	R	H High 90— 300 m (about 150 m)	-	-	UH Undulating hilis	RH Rolling hills	SH Steep hills	VH Very steep hills	PH Precipitous hills
Bed of channel—distributaries of inland streams, beds + intermittently flooded	Inland dune, inland sendhêl	T	L Low 30— 90 m (about	-	-	UL Undulating	RL Rolling low	SL Steep low	VL Very	B Badfands
1.	WATER		50 m) R Very low 9-	_	GR /	UR IOW hills	hills RR	hits SR	steep fow hills B	
	Freshwater take, lagoon, spring, stream Freshwater swamp, marsh, sook,	I X	30 m (about 15 m)		Gentiy undulating rises	Undulating rises	Rolling rises	Steep rises	Baclands	Sediends
	sespage area Gitaal, meton hote, sinkhote	i z	P Extremely low <9 m)	LP Level	GP Gently	UP Undulating	Reling	B badlands	6 6adlands	S Badiands
	Saltwater, sea, saltwater swamp	ĮΥ		plain	undulating plain	płain	plain			
	•		Source: Speight	(1990)						
Particular sensitivitie	es to proposed imp	acts (	incl. fragm	ent	ation)	<b>:</b>				
•••••										
	!:£!									
Special conservation	ı sıgnırıcance:									
bserved or Horticulti										
DDSEI VEU OF FIORLICUIU	urai Orops	• • • • • • •	• • • • • • • • • • • • • • • • • • • •	••••						• • • • • • • • • •
Other notes:	Λ									
Gul	ly - mino	rer	orion							
0		use	d bank	<	≤ 2 <sub>2</sub>	n				
Other notes: Gul	ph.	16 8	38-70							
*******************************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					• • • • • • • • • • • • • • • • • • • •		)		
- surroundi	y area -	દ્ધા	e molue	co	a.t	Euc	creb	ia/ci	tuod	ora I
	<u> </u>		• • • • • • • • • • • • • • • •	. <b></b>						
						• • • • • • • •		• • • • • • • • • • • • • • • • • • • •		

Tertiary Site Vegetation Asses	smen	t Data S	Shee	t		Job	Numl	oer:			•••••	
Site Number:			٨٥		cor.	CL		Doto	14	-,	8 ,	2007
	1+ P		AS	555	501	····×· <del>··</del> ·	• • • • • • • • • • • • • • • • • • • •	Date	<i></i>	/	·····/	2007
Location:		<del>2.</del>	•••••		······			•••••	······			1 /
Site Number:	VGS84	l Eas	sting	يْد	0 /	120	Noi	thing	!	3 <u>5</u> 4	トン	76.
Width of RE: <35m wide; 35-75r	m ; 7	75-150m	; 1	50-30	00m	; >300	; not	linear		. 1		
Width of total remnant: <35m wide												
Total RE Area: Does not extend be												
Total remnant Area: Does not ext	end bey	yond site;	<1	ha ;	1-5	ha; 5-20	ha ;	20-50	ha ;	>501	าล	
DE codo		EDD(	- oto	tuo		VMA s	totuo	* 1	EDA	otot		
DNRW RE man III-lisa hayas has a	<u>,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, </u>	L C C C			E	+		-		stat		_
DNRW RE map   11-11-3/11-15/11-3-2 Survey result   1/-3-4	20 / 11-11-1		<u> </u>	<del>-,</del>		N/N,	<u>/                                     </u>	-	107	<u> </u>	N/E	=-
Curvey result		1				<u> </u>			~			
Canopy stratum growth form:		Tree	<b></b> .			Can	opv C	rown	Cove	′ د : er:	30	%
Canopy Median Height:5m.	Si	tructural	Coc	de:								
•						Mid	حرب					
All woody species present with	hin 50ı	m x 10m	plot	(plu	ıs doı	minant a	nd EV	R nor	1-W00	idy s	pecie	s)_
Name	Rel.		⊢	leigh	t		1	Al	oundai	nce		
	Dom.				S1	S2   G	E T1		T3		stimate)	G
Melalenca fluvratiles	0		8				4	5				
Euc tereticonis	0	16						5				
Lophostemon suveolens	C	115					12					
Eu vielva	C	)5						5		<u>                                     </u>		
Plerogynium amozense	U		13				<	5			<u> </u>	
Genera palicidolia	0		ļ	5					-	ļ	<u> </u>	5
A Chitoria exelsa	$\frac{U}{U}$		<u> </u>	3	<u> </u>			_				
Carthuin sp	<del> </del>			<u>2</u> 3				-			-	$\dashv$
Jagera poeudorhus Pogendolous reticulatus	<i>U</i>		ļ	3	2				-	1	-	
Caresa ovata	1,				1.5		<del>                                     </del>	-				_
Carissa ovata	1		8	,	1.2							_
Lomandra ob	1,					075	<del>                                     </del>					$\dashv$
Calabastiana Subresco	11			3	٠.							
Arundinella nepalenses	C			<u>ر</u>		- 1						5.
Heteropogon contortus	Č								<b></b>			10
Pristida sp	C										$\overline{}$	15
Ladara montevidenses **	C											10
Asclepia currassavica *	0											
Opentra Tricta*	U											
Ageratum houstonianum*	U											
Lostena Camara # *	U		]									
Rock cover (%)												
Bare ground cover (%) 5										1 1		

50

Average/Total

Litter cover (%) Cryptogam cover (%)

		lities: No / Yes (if								cted?	
dditional notes on	pes	t plants	••••								
			•••••	•••••		•••••	• • • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · ·			• • • • • • • •
7		; 5-25 ; 25-50	-								
isturbance (% of s	ite a	ffected): 0, <1; 1	1-5;								
ealth: Pristine / E	xcelle	ent / Very Good / Good	/ Av	e / Degrade	ed /	Comple	tely Deg	raded (a	lmost w	ithout na	atives)
ope: Crest; Ridge; i ils: Map: Cutting, Co		k; Simple slope; Upper s	-	slope; Low ow, Medium,		<u> </u>	t;) Open	aepress	ion; Cid	sea aep	pressioi
	•	mottled; yellow; orange;	/		dark		pale				
		ty loam; loam; sandy loam;	_			=	•	am: sand	ly clay lo	am: loar	n sand
ir roxearor olay, olay loa	,	y loani, loani, oanay loani,	001101	,,, o, o,, c	<u></u>	- Wall	., 0.0, 10	ann, carre	,, 0.0, 10	ann iou	
able 24 CORVEG landform situation (	codes			Table 25 COR	/EG typ	es of erosio	andform	patterns by s	lope and re	lief class co	ies
andform situation	Code	Landform situation HILLS, MOUNTAINS, TABLELANDS	Code	Slope class							
lot otherwise specified, fiat gentle	  -	Slope or hill not specified	F	Ciass	LE Level	VG Very	GE Gently	MO Moderately	ST Steep	VS Very	PR Precipitou
loses, undulating terrain lowns, open downs, rolling downs, shy downs, pebbly downs	*	Cliff (steep rocky faces), rocky ledge, rocky outcrop, scarp, crack in rock,	L	Percentage	<1	gently inclined	inclined 3-10	inclined 10–32	32-56	sisep 58-100	160
		crevices		Degrees (rounded to	0	1-2	3-5	7–18	19-29	30-45	>45
Nevial plan or flat, obeyium, flood plan	<u>8</u> U	Constel rocky headland	N K	nearest whole number)							
dai flat, salt flat (constel)	Ÿ	Top, crest of mountain or ridge Jump-up, mesa, tableland, plateau	10	Relief class			Erosional la	ındform patte	=		
TREAMS akes, banks of lake, river, atream,	С	DUNE Fossil coastal dune, high dune	s	M Very high >300 m (about 500 m)	-	-,	-	RM Reling mountains	SM Steep mountains	VM Very steep	PM Precipitou
nter course, levees - permanent water rully, drainage line, rovine gorge,		Unspecified coastal dune, beach dune,	R	H		-	UH	RH.	SH	mountains Vit	PH
itwash-+ intermittently wet		recent coastal dune, low dune, coastal sandal !		High 90- 300 m (about 150 m)			Undulating hile	Rolling hills	Steep hills	Very steep hills	Precipitou hilin
ed of channel—distributeries of inland treams, beds + intermittently flooded	E	inland dune, inland sendhill	*	L Low 30— 90 m (about	-	-	UL Undulating	RL Rolling low	SL Steep low	VL Very	B Sadiands
		luur-p		50 m)			low hills	hills	hilis	steep low hills	
		WATER Freshwater take, lagoon, spring, stream	l x	R Very low 9- 30 m (about 15 m)	-	GR Gently undulating	UR Undulating rises	RR Rolling rises	SR Steep rises	5 Badlands	B Sadiends
		Freshweier swamp, marsh, soek, seepage area Gâgal, melon hole, sinkhole	W Z	P Extremely	[p	rises GP	UP	R2	5	B	S Sadiands
		Saltwater, sea, saltwater swamp	ÌŸ	low <9 m)	Level plain	Genthy unsiplating plain	Undulating plain	Rolling plain	batlands	Badlands	bealends
				Source; Speight	(1990)						
rticular sensitiv	ities	to proposed imp	acts	` -		ation)	:				
				_		•					
	• • • • • •				• • • • •				• • • • • • • • • • • • • • • • • • • •		
	വാ									• • • • • • • • • • • • • • • • • • • •	• • • • • • •
				, . <i>.</i>							•••••
cultural		•••••									
cultural commercial .		• • • • • • • • • • • • • • • • • • • •									
cultural commercial . recreational .							: • • • • • • • •				
cultural commercial . recreational . pserved or Horticu	ultura	al Crops					:				
cultural commercial . recreational . served or Horticu	ultura	al Crops					:				
cultural commercial . recreational . served or Horticu	ultura	al Crops					:				
cultural commercial . recreational . recreational . recreational . recreational . recreational . recreational . recreational . recreational . recreational . recreational . recreational . recreational . recreational .	ulturi nan	al Crops	- obn	S 0	L	tra	ch (	till	not	wine !	tlick
cultural commercial . recreational .	ulturi nan	al Crops	- obn	S 0	L	tra	ch (	till	not	wine !	tlicke
commercial . recreational . served or Horticular ther notes:	ulturi sar ofpe	al Crops  regelation 20% can  N of Road 6	-opy Case	S 0	L Co	tra	ek (	till ona I	not	reine [	thick
cultural commercial . recreational . recreational . recreational . recreational . recreational . recreational . recreational . recreational . recreational . recreational . recreational . recreational . recreational .	ulturi sar ofpe	al Crops	-opy Case	S 0	L Co	tra	ek (	till ona I	not	reine [	thick

Tertiary Site Vegetation Ass	essme	nt D	ata S	Shee	ŧ			Job	Nu	mbe	r:	B60	218	400	<u> </u>
Site Number: KF  Location: Sadstone -  Photo Number: 1707 UTM  \$\frac{1}{2}709  Width of RE: <35m wide; 35-	o. Alt R WGS8	gsic 34	lue Eas	As  sting	sses - V 30	sor: ma (	thic 63	CL bet of	ortl N	C _eu lorth	ate cali	yst.	1.1. ove 35;	8	./200 hey 1-63
Width of total remnant: <35m wide , 35- Width of total remnant: <35m wide , 35- Total RE Area: Does not extend Total remnant Area: Does not of	ide; : beyond	35-75 site;	m ; <1h	75- <sup>-</sup> a ;	150m 1-51	ı; ha;	150-3 5-20l	300m na ;	; 20-	>300 50ha	; ( ;	>50h	ia		
RE code		1	EPBO	C sta	ıtus		VI	MA s	tatu	S	1	EPA	stat	ius	
DNRW RE map 11.3.2	6				N				$\overline{}$	T			$\overline{}$	/	
Survey result   1-3-11   E   E   E   T   T   T   T   T   T   T															
Construction arough forms															
All woody species present w	rithin 50	0m x		plot	t (plu	ıs do					non-	·woo	dy s		
Name	Rel.	1	,		deigh				_	/D-+-I		undar			
	Dom	E	TT1	T2		ate (m)	  S2	G	EB	(Basai T1	T2		S1	stimate S2	e) G
Drupetes deplanchei	1				4		<u>  -                                   </u>		<del> </del>	†	<u> </u>	1.5	<del>                                     </del>	<u> </u>	<del>                                     </del>
Euc moleccana	D		16							10			1	_	<u> </u>
Euc tereticornis	12		116	-		-	-		<del>                                     </del>	5	$\vdash$	┼─	<del></del> -	+	+
	$\stackrel{\sim}{\sim}$	+	10	16	<del>                                     </del>	<u> </u>			├			-	<del>                                     </del>	<del> </del>	_
M el aleuca trichostach		-		16		<u> </u>			-	10	<u> </u>	<b>├</b> ──	<u> </u>	-	<del> </del>
Croton insularis					2	_			ļ		<u> </u>			<u> </u>	
Joyera, salicifolia	V		<u> </u>	8					<u> </u>						
+ Acalypha eremorum	U	1	-			2									
Carissa ovata	1 (/					1.5									
- Terninalia (leaf Q-6 cm	ΙŬ			8		, ,						_	<del> </del>	<del>                                     </del>	$\vdash$
1 1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	) 30	1			_				-				20	├──	<del>                                     </del>
Busqua danosa		<del> </del>				2						<del> </del> -	20	<u> </u>	<u> </u>
Crystostean grandiflore	i U	<del> </del>	-		ļ	2					<u> </u>	<u> </u>	<u> </u>	<u> </u>	7
- Atolara (2 insleaflets)	10	<u> </u>		7			<u> </u>				ļ				
I pale trunk	,	<u> </u>													
- Diostrios sp	10			_6											
(least bale underside)					•		- 1		<u> </u>						
Ponecem maximum	1 0							1							
Pinney L. O. *	ĬĊ.					i		0.75					-		10
Lortana Camara # *	15	<u> </u>		,	-	2		U-15	<u> </u>				10		10
anuna camara"	m 11	╁—.	<u> </u>			$\propto$							10		le
Cacoondron melanocarpu	·	<u> </u>		6											
Houtelon micropetalum.	2 0				•	1.5									
Mallotus discolor	<u> </u>				4									_ 1	<u> </u>
Alstonia muelleri?	U				2						-				
Rock cover (%) —					\										$\square$
Bare ground cover (%)		<u> </u>			<del>\</del>										$\vdash$
Litter cover (%) 60/o		<del></del>									$\overline{}$			-	$\vdash \vdash$
Cryptogam cover (%)			<del>  </del>					· -		-					$\vdash$

Average/Total

C

C

Scheduled flora poss	sibilities: No / Yes (if	so							cted?	
Additional nates on r	noot plants 100 lb							.colle	cted?	Y / N
Additional notes on p	Dest plants	ada	 An	••••		Sola	*****	e lo	this	4400)
	7	·······			• • • • • • • • •		(#949 V. 14		YIITIYI.	Y
Weed Cover (%): <5		; >50		••••	•••••	•••••	• • • • • • •	•••••	•••••	
Disturbance (% of sit	te affected): 0, <1; 1	-5; >5								
Health: Pristine / Exc	cellent / Very Good Good	Average	/ Degrade	ed /	Comple	tely Deg	raded (a	lmost wi	ithout na	atives)
Slope: Crest: Ridge: Hi	illock; Simple slope; Upper s	lope: Mid s	lope: Lowe	er slo	pe Fla	t: Open	depress	ion: Clo	sed dec	ression
		ability: (Low	. )	Hìg				,		
Soil Colour: whitish; grayis	sh; mottled; yellow; orange;	brown; re	ed; black;	dark	grey:	) <sub>pale</sub>			-	
Soil Texture: clay; clay loam	n; silty loam; loam; sandy loam;	sand; stony:	; silty clay;(s	andy	clay; şil	ty clay lo	am; sand	ly clay lo	am; loan	n sand
Table 24 CORVEG landform situation cool Landform situation	des Code Landform situation	Code	Table 25 CORV	EG typ	es of erosion	nal landform	patterns by s	liope and rel	ief class cod	les
PLAIN	HILLS, MOUNTAINS, TABLELANDS		Slope class							
Not otherwise specified, flat gentle A slopes, undulating terrain	A Slope or hill not specified	F	Class	LE Levei	VG Very gently	GE Gentiy incimed	MO Moderately inclined	ST Steep	VS Very steep	PR Precipitous
Downs, open downs, rolling downs, ashy downs, pebbly downs	<ul> <li>Citif (steep rocky faces), rocky ledge, rocky outcrop, scarp, crack in rock, crevices</li> </ul>	-	Percentage /	<1 \	inciin≘d 1–3	3-15	10-32	32–56	56-100	190
			(rounded to nearest whole	<u> </u>	<b>/</b> 1–2	3-5	7–16	19–29	30-45	>45
	U Top, crest of mountain or ridge	N K	number)							
Tidal flat, selt flat (coestal)	V Jump-up, mesa, tebteland, plategu  BUNE	10	Relief class M Very high	_	<u> </u>	Erosional Is	ndform patte	m Iska	VM	28
Lakes, banks of lake, river, stream, C	C Fossil coastal dune, high dune	s	>300 m (about 500 m)				Reling mountains	Steep mountains	Very steep	Precipitous
water course, levees + permanent water Gully, drainage line, ravine gorge,		R	H High 90-	-	-	UH Undelating	RH Rolling	SH Steep hills	mountains VH Very	PH Precipitous
outwash— + Intermittently wet  Bed of channe!—distributaries of inland	recent coastal dune, low dune, coastal sandhill  Inland dune, inland sandhill	17	300 m (about 150 m)			hilis	h⊞a		steep hills	hilis
streams, beds + intermitianily flooded	C VIIII COLO, INGLIO SILAMI	<u> </u>	L Low 30— 90 m (about 50 m)	-	-	UL Undulating low hills	RL Rolling low hills	SL Steep low hills	VL Very steep low	B Badfands
	WATER		R Very low 9- 30 m (about	-	GP: Gently	UR Undulating	RR Rolling	SR Steep	hBis B Badlands	B Badiands
	Freshwater lake, lagoon, spring, stream Freshwater swamp, marsh, soak, seepage gree	W	15 m)		undulating rises	rises	rises	rises	Б	
	Gitaal, meton hole, sinkhole Saltwater, sea, saltwater ewamp	IZ IY	P Extremely (low <3 m)	Level plain	GP Gently undulating plain	UP Undulating plain	RP Rolling plain	B badlands	Badlands	B Sediends
			Source; Speight	(1990)	presiti					
Particular sensitivit	ties to proposed impa	acts (inc	l. fragm	enf	ation)	•				
		•	_		•					
					-					
	on significance:									
										• • • • • • • • • • • • • • • • • • • •
·										
	itural Crops									
	•									
Other notes:	reck - the	1710 - 1	<i>!</i>							
_ }	weally nove	des so	me f	ul	n	rtecti	on 4	or	V.T	• • • • • • • • • • • • • • • • • • • •
	hobably provi	<i>D</i>	······		··· # ·· /	}····;	.,			• • • • • • • • • • • • • • • • • • • •
NELL	w/t 21	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • •	• • • • • • •	• • • • • • • •	• • • • • • •		• • • • • • •	
N nd	e wpt 22, 23	, , , , , , , , , , , , , , , , , , ,								• • • • • • • • • • • • • • • • • • •
						<b></b>	• • • • • •	• • •		

Tertiary Site Vegetation Asses	smer	ıt Da	ata S	Shee	t			Job	Nu	mbe	r:				•••••
Site Number: 5 KP: Location: Gladstone — Alb Photo Number: 1703. UTM W	t (le vGS8	sidi 4	ببو Eas	As	3 (	sor: out	len 855	CL v. ai.	 de N	C ఈ lorth	Date 	14 ow 7	:.1.1 erli 355	3 23	./200
Total RE Area: Does not extend be	eyond s	site;	<1h	а;	1-5ł	na;	5-201	na ;	20-	50ha	,	>50h	а		18
RE code		E	PBC	C sta	tus	-	TV	MA st	atu	s		EPA	stat	us.	
DNRW RE map 11-11-4-/ 1	1.11-0	5					<u> </u>	^/	7 4	<del>-</del>					
Survey result 1/.1/.4	. ,, .	<del>-</del>  -					-		$\frac{1}{\sqrt{\lambda}}$				<u> </u>		
Tertiary Site Vegetation Assessment Data Sheet   Job Number:   Job Num		 es)													
name			(	г Ocular	estima	ι ate (m)	,		В	(Basa	ADU (Area i	ındar : C (Cd	ice over E:	stimate	e)
·	20,,	E				S1	S2	G	E	T1					
2 4			<u> </u>					,				<u></u>		<u> </u>	
Euc vebra															
Con citriodora	C		)2				<u> </u>			10					
Euc armenoides.	U		12							<5					
Lophostemon maveolens	U			10							<5				
Euc moliceana	1)	i													
	<del></del>			,,,	5				_			<5 <sup>-</sup>			
11 (2000)												4			
Caparries conscens	V			-				1 1				_			25
Side substract.								1							-
Heterohoran contratus								1							
Chuschas Inlas	С						-	1							
Themedo Triando		-						0.75	_						5
Anatid de						_		0.5			_				34
Halisbanes also It	-							0.5							<u>//</u>
Parilla al	-													$\vdash$	
								<i>U</i> 2							-2
·										-					
								i							
Rock cover (%)											-				
Bare ground cover (%)					i										
itter cover (%) 40			i		<del></del>	_			+		_				
Cryptogam cover (%)							-							-+	

Scheduled flora pos	idie	lities: No / Yes (if	so	• • • • • • • • • • • • • • • • • • • •			••••••				
Additional notes on	pes	t plants						• • • • • • • • • • • • • • • • • • • •	colle	ctea?	Y / N
		• • • • • • • • • • • • • • • • • • • •						• • • • • • • •			• • • • • • • • • • • • • • • • • • • •
Weed Cover (%): (<	<del>(2</del> ).	; 5-25 ; 25 <b>-</b> 50	 : >50		• • • • •		•••••		• • • • • • • •		• • • • • • • • •
Disturbance (% of s			, /30 (-5: >5								
			•	a / Daniel		0!-	4-4-5		t	141	. 15
nealtii: Pristine / Ex	(Celle	ent / (Very Good) / Good	/ Averag	je / Degrade	ed /	Comple	tely Deg	raded (a	ılmost w	ithout na	atives)
Slope: Crest; Ridge; I	Hillocl	k; (Simple-slope; Upper s	lope; Mig	slope; Low	er sk	pe; Fla	t; Open	depress	ion; Clo	sed dep	oression
, .	•		ability: (L	·	Hig	h					
		mottled; yellow; orange;	,	· · · · · · · · · · · · · · · · · · ·	darl		•		l 1 l .		
Soil Texture: clay; clay load	n, siii	iy loam; loam; sandy loam;	sano; stoi	ny; siny ciay, s	andy	clay sil	ty clay lo	am; sand	iy ciay io	am; loar	n sand
Table 24 CORVEG landform situation of	odes			_Table 25 CORV	/EG typ	es of erosio	nai landform	patterns by :	slope and re	lief class co	ies
Landform situation PLAIN	Code	Landform situation HILLS, MOUNTAINS, TABLELANDS	Code	Slope class							
Not otherwise specified, fiat gentle slopes, undulating terrain	A	Slope or hill not specified		Class	LE Level		GE Gentiy	MO Moderately	ST Steep	VS Very	PR Precipitous
Downs, open downs, rolling downs, ashy downs, pebbly downs	*	Citif (steep rocky faces), rocky ledge, rocky outcrop, scarp, crack in rock, cravices	ĮL .	Percentage	<1	gently inclined 1–3	inclined	inclined 10-32	32-56	55-180	199
				Degrees (rounded to nearest whole	0	1-2 (	3-5 (	7–18	19–29	30-45	>45
Alluvial plan or flat, elluvium, flood plain Injend clay pan, salt flat or pan (injend) Tidal flat, selt flat (coastel)	5 V	Coastal rocky headlend Top, crest of mountain or ridge Jump-up, mesa, tableland, plateau	IK IC	_number)	!		Erosional la	ndform patte	l em		!
STREAMS		DUNE		M Very high >300 m (about	-		-	RM Rolling	SM Steep	VM Very	PM Precipitous
Lakes, banks of lake, river, stream, water course, levees + permanent water	С	Fossil coastel dune, high dune	s	500 m)			UH	mountains	niountains	steep mountains	PH
Guily, drainage line, ravine gorge, outwash	D	Unspecified coastal dune, beach dune, recent coastal dune, low dune, coastal sandhill	R	High 90- 390 m		-	Undulating hills	Rolling hills	Steep hills	Very steep hills	Precipitous hills
Bed of channel—distributaries of inland streams, beds + intermittently flooded	Ę	inland dune, inland sandhil	T	(about 150 m) L Low 30- 90 m (about	-	-	UL Hadwalion	RL Rolling low	SL Stees low	VL Von	B
		WATER		50 m)			Undurating tow hills	hills	hiks	Very steep low hills	Badiends
		Freshwater take, lagoon, spring, stream Freshwater swamp, marsh, sook,	X W	R Very low 9- 30 m (about 15 m)	-	GP: Gently undulating	Undulating rises	Reling	SR Steep rises	B Badlands	B Badiends
		Secondo area Gleal, melon hole, sinkhole Soltwater, sea, samwater swamp	lz ly	P Extremely low <9 m)	LP Level	rises GP Gently	UP Undulating	RP Rolling	B badlands	B Badlands	B Bedlands
		Delivator, and, Solitates earling		Section Section	plain	undulating plain	pisin	plain	_		
<b>.</b>				Source: Speight							
Particular sensitivi		to proposed imp	•	_		-					
		•••••••	· · · · · · · · · · · · · · · · · · ·		• • • • •					. <b></b>	
Special conservation		significance:									
recreational .											
observed or Horticu	ıltura	al Crops					• • • • • • • •	• • • • • • •	• • • • • • • •	••••	
Other notes:	٥	1	^								
	<u> </u>	eside HV b	owerl	ine							
	. ج	e moluccora c	1	<u>.</u>		<i>(1</i> :+		/)	fi	00	<i>A</i>
	$\alpha$	c motuccora c	romer	to en	<del>004</del>	Word.	Ø:\	alu	stal.	fea	
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	• • • • •	••••••	**********		• • • • •	• • • • • • • • • • • • • • • • • • • •	••••••	• • • • • • • •	•••••		
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Tertiary Site Vegetation Asses	smen	nt Da	ata S	hee	t			Job	Nu	mbe	r:				
Site Number: KP: Location: Gladstone A.  Photo Number: 1704 UTM W	lt.	Rea	du	As	ses: 3	sor: . 	 3 8	 Я		C	)ate	: K	t/	8	./200  ?_>
Width of RE: <35m wide; 35-75r Width of total remnant: <35m wide Total RE Area: Does not extend be Total remnant Area: Does not extend	ফা∕; ∋; 3. eyonds	75-18 5-75r site;	50m n ; <1h	; 1 75-′ a ;	50-30 150m 1-5h	)0m ; na;	; > 150-( 5-20	300 ; 300m na ;	; n <sub>:</sub> ; : 20-	ot line >300 50ha	ear ; ( ;	not lii >50h	near a	)	9
RE code		F	PBC	: sta	tus		TV	MA st	tatu	s		FPA	stat	IIS	_
DNRW RE map 11.3.26/11.11	-15				10.0		<del>  '</del>			,			~ /	\ <u>\</u>	-
Survey result 11.3.24		-i-	·				-	~	<u>/                                    </u>	<i>T</i>			Ń		
Canopy stratum growth form: Canopy Crown Cover: %  Canopy Median Height: Structural Code:															
	Dom.	E	T1	<u> Dcular</u>	estima	ite (m)					Area)	; C (C	over E		
Eux texticornis Sophostemon su avlolens	C		18		T3	S1	S2	G		20 20	T2	Т3		S2	G
Melalence trickostadise Busaria spinescens Alphtonia exclua Drypetes lasiograma Diospinos Hundinella nepalensis Heteropogon confortus Sida subspicata	0 0 0 0 0			5 25 7:5 3							10				20 10 5
Aristida sp	U			-		2		0.5					10		5
									-						
Rock cover (%)															
Bare ground cover (%) 5  Litter cover (%) 50															
Cryptogam cover (%)						-									

Average/Total

Scheduled flora possi	bilities: No / Yes (if									
Additional notes on pe	est plants							colle	cted?	Y / N
• • • • • • • • • • • • • • • • • • • •		•••••					• • • • • • • •	• • • • • • • •	••••••	
Weed Cover (%): <5	; (5-25); 25-50	; >	·50		• • • • • • • • •	•••••	• • • • • • •	• • • • • • • • •		
Disturbance (% of site	affected): 0, <1;	1-5;	)>5		•					
Health: Pristine / Exce	ellent / Very Good / Good	/(Av	verage / Degrad	ied /	Comple	tely Deg	raded (a	lmost w	ithout na	atives)
Slope: Crest; Ridge; Hillo	ock; Simple slope; Upper s	slope:	: Mid_slope: Lov	ver slo	ppe Fla	t: Open	depress	ion: Clo	sed der	oression
Soils: Map; Cutting, Core;	(	ability	/ \	*	`\			,		
Soil Colour: whitish; grayish	; mottled; yellow; orange;	brov	wn; red; black;	dark	grey;	pale	)			
Soil Texture: clay; clay loam;	silty loam; loam; sandy loam;	sand;	; stony; silty clay	sandy	clay; sil	ty clay lo	am; sand	ly clay lo	am; loar	n sand
Table 24 CORVEG landform situation code: Landform situation Co		Code		VEG typ	es of erosio	nal landform	patterns by s	lope and re	ief class co	ies
PLAIN	HILLS, MOUNTAINS, TABLELANDS	<u> </u>	Slope class Class	LE	VG	GE	MO	ST	vs -	PR
Not otherwise specified, flat gentle stodes, undulating terrain Downs, open downs, rolling downs,	Siope or hill not specified  Cliff (steep rocky faces), rocky ledge,	F  L	-	Level	Very gently inclined	Gently inclined	Moderately inclined	Steep	Very steep	Precipitous
ashy downs, pebbly downs	rocky outerop, searp, erack in rock, crevices		Percentage Degrees	<1 0	1-3 1-2	3-19 3-8	10–32 7–1ô	32–56 19–29	56–100 30–45	100 >45
Alluvial plain or flat, elsuvium, flood paels   8	Coastal rocky headland	N	(rounded to nearest whole number)							
Inlend day pan, salt fiat or pan (inland)  Tical flat, salt flat (coastal)	Top, crest of mountain or ridge Jump-up, mesa, tableland, plateau	K	Relief class	•		Erosional la	indform patte	ern		
STREAMS	DUNE		M Very high >300 m (about	-	-	-	RM Reling	SM Steep	VM Very	PM Precipitous
Lakes, banks of take, river, stream, C water course, levees + permanent water	Fossil coastal dune, high dune	S	500 m)	<u> </u>	 	UH	mountains RH	mountains SH	steep mountains Vit	PH
Gully, drainage line, ravins gorgs, outwash—+ intermittently wet	Unspecified coastal dune, beach dune, recent coastal dune, low dune, coastal sendrill	R	High 90- 300 m (6bout 150 m)		_	Undulating hills	Rolling hills	Steep hills	Very steep hills	Precipitous hills
Bed of channel—distributaries of inland streams, beds + intermittently flooded	Inland dune, inland sandhil	T	L Low 30— 90 m (about 50 m)	-	-	UL Undulating low hills	RL Rolling low hills	SL Steep law hills	VL Very steep fow	B Badiends
	WATER Freshwaterlake, lagoon, spring, stream	X	₹ Very fow 9— 30 m (about 15 m)	-	GP: Gently undulating	UR Undulating rises	RR Rolling rises	SR Steep rises	hills B Backinds	B Badiends
	Freshwater swamp, marsh, sook, secoage sree Glipal, melon hole, sinkhole	VV Z	P Extremely /	LP Level	rises GP Gently	UP Undulating	RP Rolling	B badlands	B Badlands	S Badiands
	Saltwater, sea, saltwater ewamp	İA	] [, (	plain	undulating plain	piain	plain			
	•		Source: Speig	nt (1990)						
Particular sensitivitie	es to proposed imp	acts	s (incl. fragn	nent	ation)	:				
	••••••••••	• • • • •				• • • • • • • •	• • • • • • • • • • • • • • • • • • • •			
Special conservation	n significance:									
										• • • • • • • •
	••••••									• • • • • • • • • • • • • • • • • • • •
observed or Horticultu	ural Crops			••••		• • • • • • • •				
Other netec:	0 1 1	, .	_							
other notes.	eek-banks	$\leq \mathcal{Q}$	2m	- m	nins	ممو	sion			
Other notes:	pk	]7	05	<b></b> 						
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	ic marconic		royumanta.	५,७,	0.000	~~~		···········	:\\.	arran do
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Tertiary Site Vegetation Asses	smer	nt Da	ata S	Shee	t			Job	Nu	mbe	r:	B60	18	7 oc	>1
Site Number: 7 KP: Location: Gladstone AU Photo Number: 17/2 UTM W				Δο	292	sor.	Ç	ZL		Г	)ate	. 15	 55	8	./2007 78
Width of RE: <35m wide; 35-75n Width of total remnant: <35m wide Total RE Area: Does not extend be Total remnant Area: Does not extend be Total remnant Area: Does not extend be Total remnant Area: Does not extend be Total remnant Area:	€; 3 eyond:	5-75 site;	m ; <1h	75-1 a ;	150m 1-5h	; na;	150-: 5-20	300m ha ;	; : 20-	>300 50ha	;	>50h	near a	t 4 ha	6
RE code		E	PBC	) sta	itus		V	MA st	atu	s		EPA	stat	us	
DNRW RE map 11.11.4 / 11.11.	18				/E	-		N	) E	:			N	E	
Survey result   11-11-4	<u> </u>							7	$\sqrt{}$				Ń	6	9/
DNRW RE map 13-13-4 / 11-11-5 Survey result	٤	struc	tural	Coc	: (plu	ıs do	••••	• • • • • • • • • • • • • • • • • • •			• • • • •			• • • • • •	
Name	Rel.								•		Ab	unda	nce		
	Dom.	E	T1	T2	T3	S1	S2	I G	E		T2	); C (C  T3	over <u>⊨</u> S1	Stimati S2	G G
Euc tereticornis	C		16												10
Eue ciebra	С		114-												16
Casuarina cummighamlana	С			12											10
Melaleuca Phiniatilis	<u></u>	<u> </u> 		12	<u> </u>									-	16
Terminalia	V	İ	İ		4									1	
Bursaria Sanosa	V				3										
Bursaria spinosa Geigera	U				3			-							
Cupanopois anacordioides	U				3										
				_								<u> </u>		<u> </u>	
			ì									<u> </u>	ļ	<u> </u>	<u> </u>
0 11 . 00 1. 4								0.3						<u> </u>	1
13 othicoplea Pitusa	<i>U</i>		-					0.3				-			10
1 softora suberosa	C				-			0.2				<u> </u>		<del> </del>	1/0
Prindingla nepalensis	U	_						-				-	├	├─	5
The maximum	9					1.5		<u> </u>				-	1.0		3
II T 1 TX	0	_				1.0		0.3				1	10	<del> </del>	15
Bothriochloa pertusa Passifloro suberosa Aundinella nepalensis Panicum maximum* Lintara camara * *  "montiscidensis * *  Scoparia clulus *  Stachutarpheta jamaicensis *  (ruptosteasia grandiflora * *  Rock cover (%)  Bare ground cover (%)  Litter cover (%)  40	Ū	-						0.5	$\dashv$						113
Stal tackhot y	Ŭ							0.5							
Contratera analysis	ŭ					4		<del>                                     </del>							$\vdash$
Rock cover (%)	<u> </u>		.			'-									
Bare ground cover (%)		-													
Litter cover (%) 4-0									_						

Species annotations: C Collected \* Exotic Species \*\* Declared Species + Outside but adjoining 50m x 10m plot Rel. Dom. = Relative Dominance within stratum (D = dominant; C = Common; U = Uncommon; R = Rare)

Strata: E = Emergent; T1-3 = Tree strata 1-3; S1-2 = Shrub strata 1-2; G = Ground stratum

Basal Area = Basal area using Bitterlich technique (m²/ha) Cover = Percentage Cover using ocular estimate

Average/Total

Cryptogam cover (%)

Additional notes or	ı pes	t plants								<i></i>
		•								
				• • • • • • • • • • • • • • • • • • • •	• • • • •		• • • • • • • •	• • • • • • • •		• • • • • • •
Weed Cover (%):	<5	; (5-25); 25-50	; >50							
Disturbance (% of	site a	ffected): 0, <1; 1	1-5;( >5	り						
Health: Pristine / E	Excelle	ent / Very Good / Good	Averag	ge ) Degrade	hed /	Comple	telv Den	raded (a	ılmost w	ithout r
	_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	in 7 voly cood 7 cood	7,11010	go Dograda	<i>,</i>	المرازات الم	.01, 209	, adod (o		iaiouti
Slope: Crest; Ridge;	Hilloch	Simple stope: Upper stope: U	slope; Mi	d <u>-s</u> lope; Low	er sk	pe; Fla	t; Open	depress	ion; Clo	osed de
Soils: Map; Cutting, C	(	, <b>,</b>		.ow, Medium,		(		•		
Soil Colour: whitish; gra	ayish;	mottled; yellow; orange;	; brown;	red; black;	_darl	cc_ grey;	pale )			
Soil Texture: clay; clay loa	am; silt	y loam; loam; sandy loam;	sand; sto	ny; silty clay;	sandy	clay; sil	ty clay lo	am; sand	dy clay lo	am; loa
	Ť	•				ノ'		·		•
Table 24 CORVEG landform situation	n codes			Table 25 CORV	/EG tvo	es of erosio	rai landform	patterns by :	slope and re	lief class c
Landform situation	Code	Landform situation	Code	Slope class						
PIAIN  District therwise specified flat pentle		HILLS, MOUNTAINS, TABLELANDS  Slope or his not specified	F	Class	LE .	УG	GE	MO	ST	VS
Not otherwise specified, flat gentle stopes, undulating terrain Downs, open downs, rolling downs,	#	Cliff (steep rocky faces), rocky ledge,	F		Leve)	gently	Gently inclined	Moderately inclined	Steep	Very steep
ashy downs, pebbly downs		rocky outcrop, searp, crack in rock, cravices		Percentage Degrees	<1	inclined 1-3 1-2	3-10	10–32 7–1ô	32-56 19-29	56-160 30-45
	-	j		(rounded to nearest whole		\		~	10 20	
Alterial plan or flat, alterium, flood plant finand clay pan, salt flat or pan (mland)		Top, crest of mountain or ridge	K	number)		!	Facionali		<u> </u>	<u> </u>
Tidal flat, salt flat (coastal) STREAMS	19	Jump-up, mesa, tab/eland, plateau  DUNE	0	Relief class M Very high	1_	1_	стовюнан н	andform patte	SM	VM
Lakes, banks of take, river, stream,	c .	Fossil coastal dune, high dune	S	>300 m (about 500 m)		_		Rolling mounteins	Steep mountains	Very
water course, levees - permanent wate		Unspecified coastal dune, beach dune,	R	H	-	-	UH	RH	SH	mountains VH
Guily, drainage line, ravine gorge, outwash— + intermittently wet	<b>ル</b>	recent coastal dune, low dune, coastal sandnit		High 90- 300 m (about 150 m)			Undulating hilis	Rolling hills	Steep hills	Very steep hills
Bed of channel—distributaries of inland streams, beds + intermidently flooded	E	Inland dune, inland sendhill	T	L Low 30-	_	  -	F)T	RL	SL	VL
				90 m (about 50 m)			Undulating low hills	Reling low hills	Steep low hills	Very steep fow
		WATER		R Very low 9- 30 m (about	-	GP. ( Gently	UR Undulating	RR Rolling	SR Steep	B Badlands
		Freshwater take, lagoon, spring, stream Freshwater swamp, marsh, sook,	X W	15 m)		undulating	rises	rises	rises	Cadanos
		Seepage area Gligal, melon hole, sinkhole Sultwater, sea, saltwater swamp	Z	P Extremely low <9 m)	LP Level	GP Gently	UP Undulating	ਨ2 Rolling	6 badlands	B Badiands
		Saraber, ded, Saraber Samop	<u></u>		plain	undulating plain	přein	plain		<u> </u>
				Source: Speight	(1930)					
Particular sensitiv	/ities	to proposed imp	acts (ir	nel. fragm	ent	ation)	:			
			· · · · · · · · · · · · · · · · · · ·							
			•••••					<i>.</i>		
Special conservat	ion s	significance:								
commercial										
commercial recreational										
commercial			• • • • • • • • • • • • • • • • • • • •							
commercial recreational <b>observed</b> or Hortic	cultura	al Crops		_						
commercial recreational <b>observed</b> or Hortic	cultura	al Crops		l <	3.	<b>-</b>	h	LI	113	
commercial recreational <b>observed</b> or Hortic	cultura	al Crops		sh ≤	3.	M	p-20	L 1	113	
commercial recreational <b>observed</b> or Hortic	cultura	al Crops		nh ≤	3	m 5	r -20	h I	113	log.
commercial recreational <b>observed</b> or Hortic	cultura	al Crops		h ≤ ph 1714	3	m 5 1716	r -20	h I m fi -d	on eft.	ban €
commercial recreational <b>observed</b> or Hortic	cultura	al Crops		nh ≤ extens ph 1714	3. Li	m 5 1716	r -20	h / m - fr m - d	113 eft.	lon €
commercial recreational <b>observed</b> or Hortic	cultura	al Crops		nh ≤ sclend ph 1714	3. Lin	m 5 1716	h -20	h T m li -d	113 on eft.	lon €

Tertiary Site Vegetation Asses															
Site Number:	±∫ vgs8	 Qsí 4	du. Eas	As e sting	sses 	sor:	91	) <u>[</u>	 	[  lorth	ate  ing	: <u>/</u> 5	35.9	8 3 2	./200 196
Width of RE: <35m wide; 35-75m Width of total remnant: <35m wide Total RE Area: Does not extend be Total remnant Area: Does not extend be a contact to the contact total remnant Area:	e; 3: eyond s	5-75ı site;	m ; <1h	75-' a ;	150m 1-5	; ha;	150-: 5-20	300m ha ;	; 20-	ot line >300 50ha	ear) ; ;	>50h	near a		
RE code		TF	PRO	C sta	itus		Τ <i>i</i>	MA st	atu	<u> </u>		EPA	etat		
	1-18														
DNRW RE map	J- 1 D	+	<u>.                                    </u>		<del>-/-</del> -				-A (	<del></del>			<u> </u>		
Canopy stratum growth form: Canopy Median Height: .//m.  All woody species present with	S	truc m x	tural 10m	Coo plot	de: . t (plu deigh	ıs do	min	ant ar	nd E	VR I	non-	woo	dy s	peci	 es)
	Dom.	_	(	Ocular	estim	ate (m)		10			Area)	; C (C	ver E		_
		E	T1	T2	T3	S1	S2	G	E	T1	T2	T3	S1	S2	G
Cor citridora	D		16			-				20		<del> </del> -		1	
Euc crebra Lophostenos mareolos	20		14-	10				-		10	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			_	
Chrysoporon fallase Huteropogon contortus	C				!			0.3 0.75							20 20
Breynia oblongafolia Alphitomia exclosa Conthuin	U				2 3	•									
Conthuim Macrogamia miquellii dontara camara TT Petalostiana pubesceno Plonchonia careya	U				3	1-5									
Planchonia carrya	Ü				3						-				
Passiflora suberosa + Stadytarpheta jamaicensis +	U							0.3 0.5							
								<u> </u>	_				-		
Rock cover (%)						<del></del>			-						
Bare ground cover (%)					<u> </u>			•						$\dashv$	
Litter cover (%) 4-0															
Cryptogam cover (%)									_			_		$\dashv$	$\neg$

Species annotations: C Collected \* Exotic Species \*\* Declared Species + Outside but adjoining 50m x 10m plot Rel. Dom. = Relative Dominance within stratum (D = dominant; C = Common; U = Uncommon; R = Rare)

Strata: E = Emergent; T1-3 = Tree strata 1-3; S1-2 = Shrub strata 1-2; G = Ground stratum

Basal Area = Basal area using Bitterlich technique (m²/ha) Cover = Percentage Cover using ocular estimate

Average/Total

scheduled flora pos	ssibi	lities: No / Yes (if	so		• • • • •					cted?	
dditional notes on	pes	t plants			• • • • •	•••••	• • • • • • • • • • • • • • • • • • • •				
In a d O a way (0/)				••••••	• • • • •	•••••	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • •	•••••
Veed Cover (%):	_	; 5-25 ; 25-50 ;	-								
isturbance (% of silealth: Pristine / Ex			l-5; > )/ Avera	b age / Degrado	ed /	Comple	tely Deg	raded (a	ılmost w	ithout na	atives)
		k; Simple-slepe; Uppers	lone: N	lid slope: I ow	or ek	ne. Ela	t: Open	denrees	ion: Ch	acod dos	oroccio:
			-	Low Medium,		-	t, Open	uepress	ion, Gi	oseu uel	JI 622101
oil Colour: whitish; gray	/ish;	mottled; yellow; orange;	brown	red; black;	darl	c; grey;	pale				
oil Texture: clay; clay loa	m; silt	ty loam; loam; sandy loam;	sand; st	ony; silty clay	sandy	clay; sil	ty clay lo	am; sand	ly clay lo	am; loar	m sand
				Ì							
Table 24 CORVEG landform situation of Landform situation	Code	Landform situation	Code	Table 25 COR	/EG typ	es of erosia	nal landform	patterns by s	slope and re	lief class co	des
PLAIN		HELS, MOUNTAINS, TABLELANDS		Slope class	ILE	TVG	GE	MO	[ST	Tvs	I PR
Not otherwise specified, flat gentle slopes, undulating terrain  Downs, open downs, rolling downs,		Slope or hill not specified  Cliff (steep rocky faces), rocky ledge,		Ciass	Level	Very gently	Gentiy inclined	Moderately inclined	Steep	Very steep	Precipitou
ashy downs, pabbly downs		rocky outerop, scarp, crack in rock, crevices		Percentage Degrees	<1 0	inclined 1-3	3-10 3-5	10 <u>–32</u> 7–18	32-56 19-29	56-150 30-45	100 >45
				(rounded to nearest whole number)		(					
Afluvial plan or flat, eliuvium, flood plein infend day pen, salt flat or pen (infand) Tidal flat, salt flat (coestal)	U	Coastal rocky headland Top, crest of mountain or ridge Jump-up, mesa, tableland, plateau	K IQ	Relief class	J	J	Erosional la	ndform patte	ern		
STREAMS		DUNE		M Very high >300 m (about	-	-	-	RM Rolling	SM Steep	VM Very	PM Precipitos
Lakes, banks of take, river, stream, water course, levees + permanent water	c	Fossii coastal dune, high dune	s	500 m)				mountains	mountains	steep mountains	
Gully, drainage line, ravine gorge, outwash + intermittently wet	D	Unspecified coastal dune, beach dune, recent coastal dune, low dune, coastal	R	H High 90— 300 m	-	-	UH Undulating hills	RH Rolling http:	SH Steep hills	Very steep hills	PH Precipitor hills
Bed of channel—distributaries of inland streams, beds + intermittently flooded	E	sendhill Inland dune, inland sendhill	T	(about 150 m)	_		UL	RL	SL	VL.	В
			<u>                                     </u>	90 m (about 50 m)		!	Undulating low tells	Rolling low hills	Steep low hills	Very steep low	Sadiands
		WATER		R Very low 9- 30 m (about	-	GR Gentiy	UR Undulating	RR Rolling	SR Steep	hills B Badlands	B Badlands
-		Freshwater lake, lagoon, spring, stream Freshwater swamp, marsh, soek, seepage area	W	15 m)	LP	undulating rises GP	risesUP	rises RP	rises B	Б	В
			I Z	low <9 m)	Level plain	Gently undulating	Undulating plain	Rolling plais	badlands	Badlands	Sadiands
				Source: Speight	(1990)	plain				l	
articular concitivi	itios	to proposed impa	acte (	nel fragm	onf	ation					
artioular scrisitivi			•	•		•					
								• • • • • • • •			
		significance:									
<b>bserved</b> or Horticu	ıltura	al Crops	, <b>, , , , , , ,</b>								• • • • • • •
			_								
	h	avious cleaning	. D.	la s	0.	. 0					
ther notes:		5000-5,0-000-1-9	50.79	·		٠٠٠	•••••	•••••	• • • • • • •	• • • • • • • •	• • • • • • •
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ther notes:	<b>r</b> :	one old rul	ንርጉ								
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<b>Tertiary Site Vegetation Asses</b>	smer	it Da	ata S	hee	t	,	,	Job	Nu	mbe	r:				<b></b> .
Site Number: 9 KP:				As	ses	sor:		CL		С	)ate	. <i>)</i> 5	-	8	/200
Location: Gladstone - 1	t DI	) (	2in	٠ ک											
Photo Number: 1762 UTM V	/GS8	4	Eas	sting	.3	13	19	0	N	lorth	ing	7	<u>3.6.¢</u>	D. 6.	99.
Width of RE: <35m wide ; 35-75n Width of total remnant: <35m wide Total RE Area: Does not extend be Total remnant Area: Does not ext	e; 3 eyond∶	5-75 site;	m ; <1h	75-: a ;	150m 1-5l	; na;	150-3 5-20	300m ha ;	; 20-	>300 50ha	; ;	>50h	near ia	•	5
RE code,		E	PBO	C sta	itus		V	MA st	tatu	s		EPA	sta	tus	
DNRW RE map 12-11-6/ 12	·11.14	.	•						<u>r /</u>	Ô	$\neg$			10	
Survey result 12.11.6	-,,,,					_			Ń					<del></del>	
Canopy stratum growth form: Canopy Median Height:m.  All woody species present witl	S <u>nin 50</u>	m x	tural	Coo	de: t (plu	ı <u>s</u> do	••••	• • • • • • • • • • • • • • • • • • • •		•••••			• • • • • •	•••••	
Name	Rel.	1		- 1	-laiah	ŧ					Ab	unda	nce		
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Con citriodora	C		15		_	_			_	<del></del>		+		<del> </del>	
Col arimola	U			<u> </u>						15	_	-		┼	
lor clarksoniana	V		14	10	<u> </u>	<del>                                     </del>									
Euc acmanda?	V			12									-		
Planchonia carrega Planchonia carrega Cynhopogon resiactus Themeda tarondra Sida subspicata Yanthovrhoea Latifolis			-		2 15 3	15		05 075					1,		1.5
Catata in 1:01 - 74	U					1.5		00							
Comara **  Comara **  Comara **  Comara **  Comara **	Ç U					1.5		0.2 0.3 0.5		i			-		15
Rock cover (%) . 5									_	-					
are ground cover (%) 15					_							ļ			
itter cover (%)															
ryptogam cover (%)						Ī				Ţ				i – T	

Average/Total

Species annotations: C Collected \* Exotic Species \*\* Declared Species + Outside but adjoining 50m x 10m plot Rel. Dom. = Relative Dominance within stratum (D = dominant; C = Common; U = Uncommon; R = Rare)

Strata: E = Emergent; T1-3 = Tree strata 1-3; S1-2 = Shrub strata 1-2; G = Ground stratum

Basal Area = Basal area using Bitterlich technique (m²/ha) Cover = Percentage Cover using ocular estimate

Additional notes on	pes	st plants	•••••			• • • • • • • • • • • • • • • • • • • •					
•••••	• • • • •					• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •			• • • • • • • •	
Weed Cover (%): <	 5	; (5-25) 25-50	 : >50		• • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •				•
• •			•	-							
Disturbance (% of s	ite a	affected): 0, <1;	I-5;   >5 `								
Health: Pristine / E	xcelle	ent / Very Good / (Good	) Avera	ge / Degrade	ed /	Comple	tely Deg	raded (a	ılmost w	ithout n	18
Slope: Crest; Ridge; I		· ~	slope; Mi	id- <del>sl</del> ope; Low	er sic	pe; Fla	it; Open	depress	ion; Clo	sed de	p
Soils: Map; Cutting, Co	re;	Surface observation Reli	ability:	Low, Medium,	Hig	h					
Soil Colour: whitish; gray						c; grey;	•				
Soil Texture: clay; clay loa	m; sil	ty loam; loam; sandy loam;			andy	clay, sil	ty clay lo	am; sand	dy clay lo	am; loai	n
			st	my	_						
Table 24 CORVEG landform situation of	odes	Landlorm situation	Code	Table 25 CORV	/EG typ	es of erosio	nai landform	patterns by	slope and re	lief class co	od
PLAIN	1	HILLS, MOUNTAINS, TABLELANDS		Slope class							
Not otherwise specified, flat gentle	A	Slope or hill not specified		Class	LE Level	VG Very	GE Gentiy	MO Moderately	ST Steep	VS Very	
Stopes, undulating terrain  Downs, open downs, rolling downs, ashy downs, pebbly downs	*	Ciff (steep rocky faces), rocky ledge, rocky outcrop, scarp, crack in rock,				gently inclined	inclined	inclined		steep	
		crevices		Percentage Degrees (rounded to	<1 0	1-3	3–10 3–5	7–16	32–56 19–29	56-100 30-45	1
Alluvial plan or flat, glauvium, flood plain	В	Coastal rocky headland	IN .	nearest whole number)		L					
inland day pan, salt fiat or pan (inland) Tidal flat, salt flat (coastal)	U V	Top, crest of mountain or ridge Jump-up, mesa, tableland, plateau	K Q	Relief class		•	Erosional la	ndform patt	ern		_
STREAMS		DUNE		M Very high	-	-	-	RM D-10	SM	VM	٦
Lakes, banks of lake, river, etreem, water course, levees + permanent water	С	Fossil coastal dune, high dune	s	>200 m (about 500 m)				Rolling mountains	Steep mountains	Very steep mountains	
Gully, drainage line, ravine gorge,	D	Unspecified coastal dune, beach dune,	R	H High 90-	-	-	UH Undulating	RH Rolling	SH Steep hills	VH Very	I
outwash— + intermittently wet  Bed of channel—distributories of inland	Ε	recent coastal dune, low dune, coastal sandniti inland dune, inland sandniti	1	300 m (about 150 m)			hills	hills		allin quate	1
streams, beds + intermittently flooded	_			L Low 30— 90 m (about	-	-	UL Undulating	RL Rolling low	SL Steep low	VL Very	1
		WATER	1	50 m)			low hills	hills	hils	steep fow hills	
		Freshwater loke, lagoon, spring, stream	X	R Very lew 9- 30 m (about 15 m)	-	GR Gently undulating	UR Undulating rises	RR ' Rolling rises	SR Steep rises	B Badlands	
		Freshwater ewamp, marsh, soak, seepage area	W	P Extremely	Ŀ	rises	UP	RP	5	В	+
		Gligal, melon hole, sinkhole Saltwater, see, saltwater ewamp	IZ IY	low <9 m)	Level plain	Gently undulating	Undulating plain	Rolling plain	badlands	Badlands	
				Source: Speight	(1990)	plain	1	l	1		
<b>.</b>						٠- ،					
Particular sensitivi	ties	• • •	•	•		•					
	• • • • •	• • • • • • • • • • • • • • • • • • • •			• • • • •	· · · · · · ·				• • • • • • • •	• •
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Other notes:		) 1	+	1.							
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**Appendix C: Fauna Assessment Data Sheets** 



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HEA HABITAT ASS	ESSMENT FOR 1 ha SEARCH AREA
PROJECT GLADSTONE - ARP	DATE 22-16 107
SITE NO FAOT LOCATION 012	NAME D. Fleming
AMG 5 6 EASTING 3 1 3 1 1	7 NORTHING 7 3 6 1 8 8 1
DISTANCE and DIRECTION from TOWN: SITE ISkm (s)	(N. S. E. W.) OF IN (state)
WAS GPS USED? YES NO IF YES, WHICH DATUM WAS USED	Aust (84/66) WGS 84 or GDA ALTITUDE
GENERAL	VEGETATION STRUCTURE: OVERSTORY
Remnant trees Regrowth Plantation	Tree canopy cover (trees taller that 3 m):
Native grasses (trees / shrubs may be present)	☐ Absent ☐ Sparse ☐ Open ☐ Dense
☐ Non-native grasses (trees / shrubs may be present)	If trees present:
☐ Improved pasture ☐ Other	Are trees mostly?  Two or three species
Habitat type Woodland	
RE 11-3-39/12-3-3 11 12-11-6 FA LANDFORM H54	Species: C- KSCHais, E. Cyscrta, E.
soil Loany Sand	Crebra
30LL	Average height of overstory?
LANDSCAPE Shape of patch?	☐ 3-5 m ☐ 5-10 m ☐ 10-15 m ☐ > 15 m
☐ Circular / square ☐ Irregular ☐ Strip <50 m	Are the trees?
☐ Strip >50 m	Even-aged (Trees mostly the same age or size)
Creek / river Roadside	Multi-aged (Trees of varing size or age)  Are there obvious signs of dieback in the tree canopy?
Strip details: Windbreak Other	None ☐ Some dieback ☐ Extensive dieback
Width Area of full patch that contains 1 ha area:	VEGETATION STRUCTURE: UNDERSTORY Tall understory shrub cover (>2 m):
☑ < 3 ha ☐ 3-10 ha ☐ 11-30 ha	☐ Absent ☐ Scattered ☑ Common ☐ Abundant
☐ 31-100 ha ☐ 101-400 ha ☐ > 400 ha	If shrubs present:
Is the 1 ha patch connected to other similar sized or larger patches	single shrub species  Are shrubs mostly?
of vegetation?	two or three species
LIE LINO	more than three species exotic
Position of this 1 ha search area relative to the surrounding tree / shrub cover?	Species: Acacia aulaco carpa, Pogono 1060s
☐ A- isolated ☐ B-Semi isolated	
D-Continuous tree / shrub	Low shrub cover (0.5 m − 2 m):  ☐ Absent ☐ Scattered ☐ Common ☐ Abundant
Continuous tree/shrub cover	If shrubs present:
	single shrub species  Are shrubs mostly?
<b>(a)</b>	two or three species
Δ.	more than three species
	Species: As for Understoney
	Dominant ground cover within this 1 ha area:
200 m. D	☐ Tussocks ☐ Hummocks ☐ Continuous grass / herbs
Is this 1 ha area on a:	☐ Low Heath ☐ Weeds ☐ Bare dirt / rocks / litter
Is this 1 ha area on a:  ☐ Flat ☐ Ridge ☐ Gully ☑ Slope	
If slope, give aspect over 20 m	LAND USE
Degrees of slope over 20 m:	Used for?  Mixed grazing Sheep Cattle
W - E	Crops
	Crop type L
<i>(</i>	Other



#### **KEY HABITAT FEATURES HOLLOWS and LOGS** No. of hollows within 1 ha patch? ☐ Scattered (1-5) Abundant (>10) □ Common (6-10) ☐ dead ☐ living If present, are they mostly? Fallen trees or branches present 10-50 cm diameter? □ 60mmon (10-20) □ Absent ☐ Scattered (1-10) Abundant □ (> 20) Fallen trees or branches present >50 cm diameter? ⊠ Absent □ Scattered (1-5) □ Common (6-10) □ Abundant (>10) Leaf litter? T Dense ☐ Absent ■ Sparse Patchy Mistletoe within this 1 ha area? Absent ☐ Scattered ☐ Common ■ Abundant **ROCKS** Outcrops within this 1 ha area? Absent ☐ Scattered ☐ Common ☐ Abundant Surface rocks of 10-30 cm diameter? ☑ Absent ☐ Scattered ☐ Common ☐ Abundant Surface rocks of > 30 cm diameter? Absent ☐ Scattered ☐ Common ☐ Abundant Cliffs and overhangs within this 1 ha area? Absent ☐ Scattered ☐ Common ☐ Abundant If present, are they mostly? ☐ Sandstone ☐ Granite ☐ Basalt ☐ Other CRACKING CLAY SOILS ☐ YES ☐ NO HABITAT QUALITY FOR: Hollow dependent fauna ☐ Absent ☐ Poor ☐ Average ☐ Good ☐ Excellent Rock dependent fauna ☑ Absent ☐ Poor ☐ Average ☐ Good ☐ Excellent Log dependent fauna Average Good Excellent ☐ Absent ☐ Poor Small birds ✓ Average ☐ Good ☐ Excellent ☐ Absent ☐ Poor OTHER HABITAT QUALITY ASPECTS: Indications of past land eleaning (bench) of Stope). Site is devoice of large, and trees. Low intensity past grass fire

WETLANDS
Wetlands present?
TYPE OF WETLAND:
MARINE:  Coral reef Rocky shore Beach (all)  Estuarine Tidal mudflat Tidal marsh  Tidal forest (e.g. mangrove) Lagoon  Saline / brackish lake / swamp
INLAND WETLAND:  ☐ Creek ☐ Dryi: ☐ Flowing ☐ River ☐ Floodplain, river flat ☐ Small billabong, pools (<8 ha) ☐ Freshwater lake (>8 ha) ☐ Shrubby swamp ☐ Wooded swamp ☐ Gilgai ☐ Claypan ☐ Ephemeral Marsh / swamp with emergent veg
ARTIFICIAL WETLANDS:  Large dam, reservoir (>8 ha)  Irrigation channel, rice field  Wastewater treatment  Canal, drainage channel, ditch  Salt pond / field
AREA OF WETLAND:  ☐ < 2 ha ☐ 2-8 ha ☐ 8-100 ha ☐ >100 ha  ➡ Water mostly ☐ Fresh ☐ Brackish / saline ☐ Salty
FEATURES PRESENT  Broad, shallow, swampy areas for birds to feed  Islands for birds to roost and nest
Dead or living trees in the water (partly submerged) for roosting and nesting habitat
Fencing to exclude grazing stock from direct access to the waters edge
Dense tree and / or shrub cover close to the edge of the water
Additional Notes:
pnoto 0196-0197
Rufaus whistler  Shiated pardalote  Brown honeyeater  white-throated honeyeater  white-headed sitella  Grey fantail
Ranbon bankeet.

HLA HABITAT ASS	SESSMENT FOR 1 ha SEARCH AREA
PROJECT GLADSTONE - ARP	DATE 23/6 (D7
SITE NO FAO2 LOCATION 013	NAME D. Flering
AMG 5 6 EASTING 3 1 3 1 6	14 NORTHING 7 3 6 1 8 0 9
DISTANCE and DIRECTION from TOWN: SITE IS km (s)	(N. S. E. W.) OF (state)
WAS GPS USED? YES NO IF YES, WHICH DATUM WAS USE	O? Aust (84/66) WGS 84 or GDA ALTITUDE
GENERAL	VEGETATION STRUCTURE : OVERSTORY
Remnant trees Regrowth Plantation	Tree canopy cover (trees taller that 3 m):
☐ Native grasses (trees / shrubs may be present)	☐ Absent ☐ Sparse ☐ Open ☐ Dense
Non-native grasses (trees / shrubs may be present)	If trees present: within gully, woodland adjacent
☐ Improved pasture ☐ Other	Are trees mostly?
Habitat type Lipanan Linge adjacent to woodland	two or three species
RE 12-3-3 VEG STL LANDFORM DDE	Species: C. Clarksoniana, C. tassellaris,
soil Sandy day loam	E. tereticoinis. E. crebia
LANDSCAPE	Average height of overstory?
Shape of patch?	☐ 3-5 m ☐ 5-10 m ☐ 10-15 m ☐ > 15 m  Are the trees?
☐ Circular / square ☐ Irregular ☐ Strip <50 m	Even-aged (Trees mostly the same age or size)
Strip >50 m	Multi-aged (Trees of varing size or age)
Strip details:	Are there obvious signs of dieback in the tree canopy?
☐ Windbreak ☐ Other	None ☐ Some dieback ☐ Extensive dieback
Width 235	VEGETATION STRUCTURE: UNDERSTORY
Area of full patch that contains 1 ha area:  ☐ < 3 ha ☐ 3-10 ha ☐ 11-30 ha	Tall understory shrub cover (>2 m):
☐ 31-100 ha ☐ 101-400 ha ☐ 2400 ha	☐ Absent ☐ Scattered ☐ Common ☐ Abundant If shrubs present:
	☐ single shrub species
Is the 1 ha patch connected to other similar sized or larger patches of vegetation?	Are shrubs mostly?
☐ YES ☐ NO	more than three species exotic
Position of this 1 ha search area relative to the surrounding tree /	Species: Mulaleuco rervosa, Pagonolobus
shrub cover?	
The tradeted The country of the d	reticularus, Planchonia careya.
A- Isolated B-Semi isolated	Low shrub cover (0.5 m - 2 m):
C-Not isolated	Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant
	Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant If shrubs present:
C-Not isolated	Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant if shrubs present:  single shrub species  Are shrubs mostly?
C-Not isolated Continuous tree / shrub Continuous tree / shrub cover Scattered trees Grassland	Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant If shrubs present:  single shrub species  Are shrubs mostly?  two or three species
C-Not isolated Continuous tree / shrub Continuous tree / shrub cover Scattered trees Grassland	Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant If shrubs present:  single shrub species  two or three species  more than three species  exotic
C-Not isolated Continuous tree / shrub Continuous tree / shrub cover Scattered trees Grassland	Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant If shrubs present:  single shrub species  Are shrubs mostly?  two or three species
Continuous tree/shrub cover Scattered trees Grassland  G	Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant if shrubs present:  single shrub species  two or three species  more than three species  Species: Gras Sp. Xanhorrhea sp.  Dominant ground cover within this 1 ha area:
C-Not isolated Continuous tree / shrub Continuous tree / shrub cover Scattered trees Grassland	Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant If shrubs present:  single shrub species  two or three species  more than three species  Species: Gas Sp. Xanhorrhea sp.  Dominant ground cover within this 1 ha area:  Tussocks Hummocks Continuous grass / herbs
C-Not isolated Continuous tree / shrub Continuous tree / shrub cover Scattered trees Grassland  200 m.  D  Is this 1 ha area on a:	Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant if shrubs present:  single shrub species  two or three species  more than three species  Species: Gras Sp. Xanhorrhea sp.  Dominant ground cover within this 1 ha area:
Continuous tree / shrub  Continuous tree / shrub  Continuous tree / shrub  Continuous tree / shrub  Continuous tree / shrub  Grassland  200 m.  D  Is this 1 ha area on a:    Flat   Ridge   Gully   Slope	Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant If shrubs present:  single shrub species  two or three species  more than three species  Species: Gas Sp. Xanhorrhea sp.  Dominant ground cover within this 1 ha area:  Tussocks Hummocks Continuous grass / herbs
Continuous tree / shrub  Continuous tree / shrub cover  Scattered trees  Grassland  200 m  D  Is this 1 ha area on a:    Flat   Ridge   Gully   Slope  If slope, give aspect over 20 m	Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant If shrubs present:  single shrub species  two or three species  more than three species  Species: Cas Sp Xanhorthea sp  Dominant ground cover within this 1 ha area:  Tussocks Hummocks Continuous grass / herbs  Low Heath Weeds Bare dirt / rocks / litter  LAND USE  Used for?
Continuous tree / shrub  Continuous tree / shrub  Continuous tree / shrub  Continuous tree / shrub  Continuous tree / shrub  Grassland  Continuous tree / shrub  Grassland  Flat Ridge Gully Slope	Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant If shrubs present:  single shrub species  two or three species  more than three species  Species: Gas Sp. Xanhorrhea sp.  Dominant ground cover within this 1 ha area:  Tussocks Hummocks Continuous grass / herbs  Low Heath Weeds Bare dirt / rocks / litter  LAND USE  Used for?  Mixed grazing Sheep Cattle
Continuous tree / shrub  Continuous tree / shr	Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant If shrubs present:  single shrub species  two or three species  more than three species  Species: Cas Sp Xanhorthea sp  Dominant ground cover within this 1 ha area:  Tussocks Hummocks Continuous grass / herbs  Low Heath Weeds Bare dirt / rocks / litter  LAND USE  Used for?



#### **KEY HABITAT FEATURES HOLLOWS and LOGS** No. of hollows within 1 ha patch? ☐ Scattered (1-5) □ Abundant (>10) □ Common (6-10) dead living If present, are they mostly? Fallen trees or branches present 10-50 cm diameter? Scattered (1-10) □ Absent ☐ Common (10-20) □ (> 20) **Abundant** Fallen trees or branches present >50 cm diameter? □ Abundant (>10) Absent (0) ☐ Scattered (1-5) ☐ Common (6-10) Leaf litter? Sparse □ Absent ☐ Patchy ☐ Dense Mistletoe within this 1 ha area? Absent ☐ Scattered ☐ Common ☐ Abundant **ROCKS** Outcrops within this 1 ha area? Absent ☐ Scattered ☐ Common ☐ Abundant Surface rocks of 10-30 cm diameter? Absent ☐ Scattered ☐ Common ☐ Abundant Surface rocks of > 30 cm diameter? Absent Scattered Common ☐ Abundant Cliffs and overhangs within this 1 ha area? Absent ☐ Scattered ☐ Common ☐ Abundant But outlet pipes. If present, are they mostly? ☐ Sandstone ☐ Granite ■ Basalt ☐ Karst ☐ Other **CRACKING CLAY SOILS** ☐ YES ☐ KO **HABITAT QUALITY FOR:** Hollow, dependent fauna ☑ Absent ☐ Poor ☐ Average ☐ Good ☐ Excellent Rock dependent fauna ☑ Absent ☐ Poor ☐ Average ☐ Good ☐ Excellent Log dependent fayna ☐ Absent ☑ Poor ☐ Average ☐ Good ☐ Excellent Small birds Average Good Excellent Absent Poor OTHER HABITAT QUALITY ASPECTS: Riparian vegetation along gully. Intersected by old rail line. Good habitat for Small birds.

WETLAN	
Wetlands present?	na
TYPE OF WETLAND:	
MARINE:  Coral reef Rocky shore  Estuarine Tidal mudfl  Tidal forest (e.g. mangrove)  Saline / brackish lake / swamp	at Tidal marsh
INLAND WETLAND: ☐ Creek → ☐ Dryë' ☐ Flor	wing
River	Floodplain, river flat
Small billabong , pools (<8 ha)	_ `
	☐ Wooded swamp
☐ Gilgai ☐ Ephemeral Marsh / swamp with	Claypan
	emergent veg
ARTIFICIAL WETLANDS:  Large dam, reservoir (>8 ha)	Small dam, pond, tank
☐ Irrigation channel, rice field	☐ Wastewater treatment
☐ Canal, drainage channel, ditch	☐ Salt pond / field
AREA OF WETLAND:	-100 ha
FEATURES PRESENT	,
Broad, shallow, swampy areas f	or birds to feed
Islands for birds to roost and ne	st
Dead or living trees in the water roosting and nesting habitat	(partly submerged) for
Fencing to exclude grazing stock the waters edge	c from direct access to
Dense tree and / or shrub cover water	close to the edge of the
Additional N	OTES:
Ovey-fantail.	

HLA HABITAT ASS	SESSMENT FOR 1 ha SEARCH AREA
PROJECT GLADSTONE - ARP	DATE 23/6/07
SITE NO FAO3 LOCATION 017	NAME D. Fleming
AMG 5 6 EASTING 3 0 8 8 8	NORTHING 7355578
DISTANCE and DIRECTION from TOWN: SITE ISkm (s)	(N. S. E. W.) OF(state)
WAS GPS USED? YES NO IF YES, WHICH DATUM WAS USE	Aust (84/66) WGS 84 or GDA ALTITUDE
GENERAL	VEGETATION STRUCTURE : OVERSTORY
Remnant trees Regrowth Plantation	Tree canopy cover (trees taller that 3 m):
Native grasses (trees / shrubs may be present)	☐ Absent ☐ Sparse ☐ Open ☐ Dense
☐ Non-native grasses (trees / shrubs may be present)	If trees present:
☐ Improved pasture ☐ Other	Are trees mostly?
Habitat type Open Forest	more than three species exotic
RE 1.3.26/11.11.14 VEG DS LANDFORM PUA	Species: C. Litriodora, E. moluccana,
soil Sardy loan	E. crelora
LANDSCAPE	Average height of overstory?
Shape of patch?	☐ 3-5 m ☐ 5-10 m ☐ 10-15 m ☐ > 15 m
☑Circular / square ☐ Irregular ☐ Strip <50 m	☐ Even-aged (Trees mostly the same age or size)
Strip >50 m	☐ Multi-aged (Trees of varing size or age)
Strip details: Creek / river Roadside	Are there obvious signs of dieback in the tree canopy?
☐ Windbreak ☐ Other	None Some dieback Extensive dieback
Width	VEGETATION STRUCTURE: UNDERSTORY
Area of full patch that contains 1 ha area:  ☐ < 3 ha ☐ 3-10 ha ☐ 11-30 ha	Tall understory shrub cover (>2 m):
☐ 31-100 ha ☐ 101-400 ha ☐ \$400 ha	☐ Absent ☐ Scattered ☐ Common ☐ Abundant If shrubs present:
	If shrubs present:
Is the 1 ha patch connected to other similar sized or larger patches of vegetation?	If shrubs present:
Is the 1 ha patch connected to other similar sized or larger patches	If shrubs present:  Single shrub species  Are shrubs mostly?
Is the 1 ha patch connected to other similar sized or larger patches of vegetation?  YES NO  Position of this 1 ha search area relative to the surrounding tree /	If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  species: Can ssa, Anshida sp. Bursania
Is the 1 ha patch connected to other similar sized or larger patches of vegetation?  YES NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover?	If shrubs present: ☐ single shrub species ☐ two or three species ☐ more than three species ☐ exotic
Is the 1 ha patch connected to other similar sized or larger patches of vegetation?  YES NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover?  A- Isolated B-Semi isolated	If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  species: Can'ssa, Anghida sp. Bursan'a gpinosa. Uncommon weeds.  Low shrub cover (0.5 m - 2 m):
Is the 1 ha patch connected to other similar sized or larger patches of vegetation?  YES NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover?  A- Isolated B-Semi isolated  C-Not isolated D-Continuous tree / shrub	If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  species: Canissa, Anishida sp. Bursania gainosa. Uncommon weeds.  Low shrub cover (0.5 m - 2 m):  Absent  Scattered Common Abundant
Is the 1 ha patch connected to other similar sized or larger patches of vegetation?  YES NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover?  A- Isolated B-Semi isolated	If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  species: Canissa, Anishida sp. Bursania gainosa. Uncommon weeds.  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant  If shrubs present:
Is the 1 ha patch connected to other similar sized or larger patches of vegetation?  YES NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover?  A- Isolated B-Semi isolated  C-Not isolated D-Continuous tree / shrub	If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  species: Canissa, Anishida sp. Bursania gpinosa. Uncommon weeds.  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant  If shrubs present:
Is the 1 ha patch connected to other similar sized or larger patches of vegetation?  YES NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover?  A- Isolated B-Semi isolated  C-Not isolated D-Continuous tree / shrub  Continuous tree / shrub cover Scattered trees Grassland	If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  species: (an 55a, Anishida sp. Bursania grinosa. Uncommon weeds.  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?
Is the 1 ha patch connected to other similar sized or larger patches of vegetation?  YES NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover?  A- Isolated B-Semi isolated  C-Not isolated D-Continuous tree / shrub  Continuous tree / shrub cover Scattered trees Grassland	If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  Species: Can'ssa, Anistida sp. Bursania gainosa. Uncommon weeds.  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  species: At a control of the species  species: At a control of the species  species: At a control of the species  species: At a control of the species  species: At a control of the species  species: At a control of the species
Is the 1 ha patch connected to other similar sized or larger patches of vegetation?  YES NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover?  A- Isolated B-Semi isolated  C-Not isolated D-Continuous tree / shrub  Continuous tree / shrub cover Scattered trees Grassland	If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  Species: Can'ssa, Anistida sp. Bursania gainosa. Uncommon weeds.  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  species: At a control of the species  species: At a control of the species  species: At a control of the species  species: At a control of the species  species: At a control of the species  species: At a control of the species
Is the 1 ha patch connected to other similar sized or larger patches of vegetation?  YES NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover?  A- Isolated B-Semi isolated  C-Not isolated D-Continuous tree / shrub  Continuous tree / shrub cover Scattered trees Grassland	If shrubs present:  single shrub species  two or three species  more than three species  species: (an 55a, Anishida sp. Bursania grinosa. Uncommon weeds.  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  exotic
Is the 1 ha patch connected to other similar sized or larger patches of vegetation?  YES NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover?  A- Isolated B-Semi isolated  C-Not isolated C-Not isolated Scattered trees Grassland  Continuous tree/shrub cover Scattered trees Grassland	If shrubs present:    single shrub species
Is the 1 ha patch connected to other similar sized or larger patches of vegetation?  YES NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover?  A- Isolated B-Semi isolated  C-Not isolated D-Continuous tree / shrub  Continuous tree / shrub cover Scattered trees Grassland  6	If shrubs present:    single shrub species
Is the 1 ha patch connected to other similar sized or larger patches of vegetation?  YES NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover?  A- Isolated B-Semi isolated  C-Not isolated D-Continuous tree / shrub  Continuous tree / shrub cover Scattered trees Grassland	If shrubs present:    single shrub species
Is the 1 ha patch connected to other similar sized or larger patches of vegetation?    YES	If shrubs present:    single shrub species
Is the 1 ha patch connected to other similar sized or larger patches of vegetation?    YES	If shrubs present:    single shrub species
Is the 1 ha patch connected to other similar sized or larger patches of vegetation?  YES NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover?  A- Isolated B-Semi isolated  C-Not isolated Continuous tree / shrub  Continuous tree / shrub cover Scattered trees Grassland  B this 1 ha area on a:  Flat Ridge Gully Slope  If slope, give aspect over 20 m  Degrees of slope over 20 m:	If shrubs present:    single shrub species



#### **KEY HABITAT FEATURES HOLLOWS and LOGS** No. of hollows within 1 ha patch? Common (6-10) Scattered (1-5) Abundant (>10) □ Absent (0) ☐ dead ☐ living If present, are they mostly? Fallen trees or branches present 10-50 cm diameter? Scattered (1-10) П (10-20) 日Abundant (> 20) Fallen trees or branches present >50 cm diameter? Seattered (1-5) ☐ Common (6-10) Abundant (>10) □ Absent (0) Leaf litter? Dense ☐ Absent ■ Sparse Patchy Mistletoe within this 1 ha area? Absent ☐ Scattered ☐ Common ☐ Abundant **ROCKS** Outcrops within this 1 ha area? Absent ☐ Scattered ☐ Common ☐ Abundant Surface rocks of 10-30 cm diameter? Absent ☐ Scattered ☐ Common ☐ Abundant Surface rocks of > 30 cm diameter? Absent ☐ Scattered ☐ Common ☐ Abundant Cliffs and overhangs within this 1 ha area? Absent ☐ Scattered ☐ Common ☐ Abundant If present, are they mostly? ■ Sandstone ☐ Granite ■ Basalt ☐ Other **CRACKING CLAY SOILS** ☐ YES ☑ NO HABITAT QUALITY FOR: Hollow dependent fauna Average Good Excellent ☐ Absent ☐ Poor Rock dependent fauna ☑ Absent ☐ Poor ☐ Average ☐ Good ☐ Excellent Log dependent fauna Average Good Excellent ☐ Absent ☐ Poor Small birds Average Good Excellent Absent Poor OTHER HABITAT QUALITY ASPECTS: SEVT Nearby. Dense understoney in partches (auros) road). Young mees siggest post cleaning 11085ing. Old termite nests provide afternative source of hollows.

WETLANDS Wetlands present?  YES NO	
TYPE OF WETLAND:	
MARINE:  Coral reef Rocky shore  Estuarine Tidal mudflat  Tidal forest (e.g. mangrove)  Saline / brackish lake / swamp	☐ Beach (all) ☐ Tidal marsh ☐ Lagoon
☐ Small billabong , pools (<8 ha) ☐ F	Floodplain, river flat Freshwater lake (>8 ha) Vooded swamp Claypan
ARTIFICIAL WETLANDS:  Large dam, reservoir (>8 ha)  Irrigation channel, rice field  Canal, drainage channel, ditch	Vastewater treatment
AREA OF WETLAND:  ☐ < 2 ha ☐ 2-8 ha ☐ 8-100  → Water mostly ☐ Fresh ☐ Brackish / saline	
FEATURES PRESENT  Broad, shallow, swampy areas for bill islands for birds to roost and nest	irds to feed
Dead or living trees in the water (par roosting and nesting habitat	tly submerged) for
Fencing to exclude grazing stock fro	m direct access to
Dense tree and / or shrub cover clos	e to the edge of the
ADDITIONAL NOTE Reform whistler Buff-remped thornbill Brown honeyeater Little fraction	s:
photos 0200, 0201	SITE NO

HABITAT ASSE	SSMENT FOR 1 ha SEARCH AREA
PROJECT GLADSTONE - ARP	DATE 23/6/07.
SITE NO. FA04 LOCATION 020	NAME D.F.
	2 NORTHING 7 3 5 6 5 2 2
DISTANCE and DIRECTION from TOWN: SITE ISkm (s)	(N. S. E. W.) OF IN (state)
WAS GPS USED? YES NO IF YES, WHICH DATUM WAS USED?	□ Aust (84/66) □ WGS 84 or GDA ALTITUDE 39 m.
GENERAL	VEGETATION STRUCTURE: OVERSTORY
☑ Remnant trees ☐ Regrowth ☐ Plantation	Tree canopy cover (trees taller that 3 m):
☐ Native grasses (trees / shrubs may be present)	☐ Absent ☑ Sparse ☑ Ópen ☐ Dense  If trees present:
☐ Non-native grasses (trees / shrubs may be present)	☐ single tree species
☐ Improved pasture ☐ Other	Are trees mostly?
Habitat type Ripanan Woodland	more than three species exotic
RE 11.3.26 (11.3.4 VEG MK. LANDFORM PLAT	Species: É. tereticornis, is chebra. Chestelles
soil Sandy day	
LANDSCAPE	Average height of overstory?  3-5 m 5-10 m 10-15 m > 15 m
Shape of patch?	Are the trees?
☐ Circular / square ☐ Irregular ☐ Strip <50 m	Even-aged (Trees mostly the same age or size)
Strip >50 m	Multi-aged (Trees of varing size or age)
Strip details:	Are there obvious signs of dieback in the tree canopy?
☐ Windbreak ☐ Other	None
Width 450.	VEGETATION STRUCTURE: UNDERSTORY
Area of full patch that contains 1 ha area:	Tall understory shrub cover (>2 m):
☐ 31-100 ha ☐ 101-400 ha	☐ Absent ☐ Scattered ☐ Common ☐ Abundant  If shrubs present:
	☐ single shrub species  Are shrubs mostly?
Is the 1 ha patch connected to other similar sized or larger patches of vegetation?	☑ two or three species ☑ native
☐YES ☐NO	more than three species exotic
Position of this 1 ha search area relative to the surrounding tree /	Species: hophostemon svaveolens,
shrub cover?  A- Isolated B-Semi isolated	Mallots phillipensis, Cassaina cunninghania
☐ C-Not isolated ☐ D-Continuous tree / shrub	Low shrub cover (0.5 m - 2 m):
	Absent Scattered Common Abundant
Continuous tree/shrub cover Scattered trees Grassland	If shrubs present:  ☐ single shrub species
• •	Are shrubs mostly?  Two or three species
	more than three species exotic
	Species: Alphibnia excelsa, hantana camara.
	Bursaria opinosa "
200 m	Dominant ground cover within this 1 ha area:
20Um. D	Tussocks Hummocks Continuous grass / herbs
Is this 1 ha area on a:	Low Heath Weeds Bare dirt / rocks / litter
☐ Flat ☐ Ridge ☐ Gully ☐ Slope  If slope, give aspect over 20 m	LAND USE
	Used for?
Degrees of slope over 20 m:	Mixed grazing Sheep Cattle
₩ <b>&lt;</b>	Crop type
6W <b>V</b> 5E	Other



### **KEY HABITAT FEATURES HOLLOWS and LOGS** No. of hollows within 1 ha patch? Scattered (1-5) □ Common (6-10) □ Abundant (>10) dead Viving If present, are they mostly? Fallen trees or branches present 10-50 cm diameter? □ Absent (0) ⊠ Scattered (1-10) ☐ Common (10-20) **Abundant** □ (> 20) Fallen trees or branches present >50 cm diameter? ☐ Abundant (>10) □ Absent (0) Leaf litter? ■ Absent ☐ Sparse ☐ Dense Mistletoe within this 1 ha area? Mbsent ☐ Scattered ☐ Common □ Abundant ROCKS Outerops within this 1 ha area? Absent ☐ Scattered ☐ Common □ Abundant Surface rocks of 10-30 cm diameter? Absent ☐ Scattered ☐ Common ☐ Abundant Surface rocks of > 30 cm diameter? Absent ☐ Scattered ☐ Common ☐ Abundant Cliffs and overhangs within this 1 ha area? Absent ☐ Scattered ☐ Common ☐ Abundant If present, are they mostly? ☐ Granite ■ Basalt ☐ Karst ☐ Other CRACKING CLAY SOILS ☐ YES ☐ NO ✓ HABITAT QUALITY FOR: Hollow dependent fauna ☐ Absent ☑ Poor ☐ Average ☐ Good ☐ Excellent Rock dependent fauna ☑ Absent ☐ Poor ☐ Average ☐ Good ☐ Excellent Log dependent fauna ☐ Absent ☐ Poor ☐ Average ☐ Good ☐ Excellent Small birds ☐ Absent ☐ Poor ☐ Average ☐ Good ☐ Excellent OTHER HABITAT QUALITY ASPECTS: hipping area adjected to woodle-of/ open forest, patches of cleaner strates

TIABITAT ACCESSIBLIT	(50,
WETLANDS Wetlands present? ☐ YES ☑ NO	
TYPE OF WETLAND:	
MARINE: ☐ Coral reef ☐ Rocky shore ☐ E	leach (all)
☐ Estuarine ☐ Tidal mudflat ☐ T	idal marsh
☐ Tidal forest (e.g. mangrove) ☐ L	agoon
Saline / brackish lake / swamp	
INLAND WETLAND:  Creek Dryw Flowing  River Floodplain  Small billabong , pools (<8 ha) Freshwate  Shrubby swamp Wooded s  Gilgai Claypan	er lake (>8 ha)
Ephemeral Marsh / swamp with emergent ve	g
ARTIFICIAL WETLANDS:  Large dam, reservoir (>8 ha)  Small dam  Irrigation channel, rice field  Wastewate  Canal, drainage channel, ditch	er treatment
AREA OF WETLAND:	>100 ha alty
FEATURES PRESENT  Broad, shallow, swampy areas for birds to fee	∍ď
☐ Islands for birds to roost and nest	
Dead or living trees in the water (partly submirroosting and nesting habitat	erged) for
Fencing to exclude grazing stock from direct the waters edge	access to
Dense tree and / or shrub cover close to the e	edge of the
ADDITIONAL NOTES:	
wood duty.	
Lehyra blubia	•

HLA HABITAT ASSE	ESSMENT FOR 1 ha SEARCH AREA
PROJECT GNAOSTONE- ARP	DATE 23/6/07
SITE NO FA 05 LOCATION 024	NAME D. Flening
AMG 5 6 EASTING 3 1 0 0 0	
DISTANCE and DIRECTION from TOWN: SITE IS km (s)	(N. S. E. W.) OF IN (state)
	Aust (84/66) WGS 84 or GDA ALTITUDE 50
GENERAL	VEGETATION STRUCTURE : OVERSTORY
Remnant trees Regrowth Plantation	Tree canopy cover (trees taller that 3 m):
Native grasses (trees / shrubs may be present)	☐ Absent ☐ Sparse ☐ Open ☐ Dense If trees present:
Non-native grasses (trees / shrubs may be present)	single tree species Are trees mostly?
Improved pasture ☐ Other	two or three species native
Habitat type Farm dam adjacent to wood rand	more than three species exotic
RE LANDFORM LANDFORM	Species:
soil layer sand	
LANDSCAPE	Average height of overstory?  3-5 m 5-10 m 10-15 m > 15 m
Shape of patch?  Circular / square  Diffregular  Strip <50 m	Are the trees?
Strip >50 m	Even-aged (Trees mostly the same age or size)
Crook Irinas	Multi-aged (Trees of varing size or age)  Are there obvious signs of dieback in the tree canopy?
Strip details: Windbreak Other	☐ None ☐ Some dieback ☐ Extensive dieback
Width	Vice and Constant of the const
Area of full patch that contains 1 ha area:	VEGETATION STRUCTURE: UNDERSTORY Tall understory shrub cover (>2 m):
☐ < 3 ha ☐ 3-10 ha ☐ 11-30 ha	☐ Absent ☐ Scattered ☐ Common ☐ Abundant
☐ 31-100 ha ☐ 101-400 ha ☐> 400 ha  adjacent to dam	If shrubs present:
Is the 1 ha patch connected to other similar sized or larger patches of vegetation?	Are shrubs mostly?
☑YES ☐ NO	more than three species exotic
Position of this 1 ha search area relative to the surrounding tree /	Species:
shrub cover?  A- Isolated  B-Sem i isolated	
at edge  ☐ C-Not isolated ☐ D-Continuous tree / shrub	Low shrub cover (0.5 m - 2 m):
Continuous tree/shrub cover Scattered trees Grossland	☐ Absent ☐ Scattered ☐ Common ☐ Abundant  If shrubs present:
Commons new state coast	Single shrub species
•	Are shrubs mostly?  ☐ two or three species ☐ native
	☐ more than three species ☐ exotic
	Species:
	Dominant ground cover within this 1 ha area:
200 m	☐ Tussocks ☐ Hummocks ☐ Continuous grass / herbs
Is this 1 ha area on a:	☐ Low Heath ☐ Weeds ☐ Bare dirt / rocks / litter
☐ Flat ☐ Ridge ☐ Gully ☑ Slope	Lavelle
If slope, give aspect over 20 m	LAND USE Used for?
Degrees of slope over 20 m:	☐ Mixed grazing ☐ Sheep ☐ Cattle
W → E Variable.	☐ Crops Crop type
	Other

.;



#### **KEY HABITAT FEATURES HOLLOWS and LOGS** No. of hollows within 1 ha patch? ☐ Scattered (1-5) □ Common (6-10) □ Abundant (>10) Absent (0) ☐ dead ☐ living If present, are they mostly? Fallen trees or branches present 10-50 cm diameter? Absent (0) Scattered (1-10) ☐ Common (10-20) **Abundant** □ (> 20) Fallen trees or branches present >50 cm diameter? Absent □ Scattered (1-5) □ Common (6-10) Abundant (>10) Leaf Jitter? Absent ■ Sparse Patchy ☐ Dense Mistletoe within this 1 ha area? Absent ☐ Scattered ☐ Common ■ Abundant ROCKS Outcrops within this 1 ha area? Absent ☐ Scattered ☐ Common ☐ Abundant Surface rocks of 10-30 cm diameter? Absent ☐ Scattered ☐ Common ■ Abundant Surface rocks of > 30 cm diameter? Absent ☐ Scattered ☐ Common ☐ Abundant Cliffs and overhangs within this 1 ha area? Absent ☐ Scattered ☐ Common ☐ Abundant If present, are they mostly? ■ Sandstone ☐ Granite ☐ Basalt ☐ Other **CRACKING CLAY SOILS** ☐YES ☐MO **HABITAT QUALITY FOR:** Hollow dependent fauna M Absent ☐ Poor ☐ Average ☐ Good ☐ Excellent Rock dependent fauna ☐ Absent ☐ Poor ☐ Average ☐ Good ☐ Excellent Log dependent fauna ☑ Absent ☐ Poor ☐ Average ☐ Good ☐ Excellent Small-birds ☑ Absent ☐ Poor Average Good Excellent OTHER HABITAT QUALITY ASPECTS: Very withe habital value within electricity easement or dam. Some value for distribunce adapted waders eg. ducks, egrets. Lantana thickets at edge of dam and in easement

WETLANDS Wetlands present?  YES NO
TYPE OF WETLAND:
MARINE:  Coral reef Rocky shore Beach (all)  Estuarine Tidal mudflat Tidal marsh  Tidal forest (e.g. mangrove) Lagoon  Saline / brackish lake / swamp
INLAND WETLAND:  ☐ Creek ☐ Drye ☐ Flowing ☐ River ☐ Floodplain, river flat ☐ Small billabong, pools (<8 ha) ☐ Freshwater lake (>8 ha) ☐ Shrubby swamp ☐ Wooded swamp ☐ Gilgai ☐ Claypan ☐ Ephemeral Marsh / swamp with emergent veg
ARTIFICIAL WETLANDS:  Large dam, reservoir (>8 ha)  Irrigation channel, rice field  Wastewater treatment  Canal, drainage channel, ditch  Salt pond / field
AREA OF WETLAND:
FEATURES PRESENT  Broad, shallow, swampy areas for birds to feed  Islands for birds to roost and nest
Dead or living trees in the water (partly submerged) for roosting and nesting habitat
Fencing to exclude grazing stock from direct access to the waters edge
Dense tree and / or shrub cover close to the edge of the water - woodland vegetation approx.
10-15 from edge of dam.  ADDITIONAL NOTES:
Intermediate egred
Magpie
Pseudophryne major.
·
SITE NO.

HLA HABITAT ASSI	ESSMENT FOR 1 ha SEARCH AREA
PROJECT GUADSTONE - ARP	DATE 23/6/07
Fanb 026	D Floring
SITE NO. LOCATION L	
AMG LEASTING LEASTING	NOKIMIG COLOR
DISTANCE and DIRECTION from TOWN: SITE ISkm (s)	(N. S. E. W.) OF   IN   (state)
WAS GPS USED? YES NO IF YES, WHICH DATUM WAS USED?	Aust (84/66) WGS 84 or GDA ALTITUDE 74
GENERAL	VEGETATION STRUCTURE: OVERSTÓRY
Remnant trees Regrowth Plantation	Tree canopy cover (trees taller that 3 m):
Native grasses (trees / shrubs may be present)	☐ Absent ☐ Sparse ☐ Open ☐ Dense if trees present:
Non-native grasses (trees / shrubs may be present)	single tree species Are trees mostly?
☐ Improved pasture ☐ Other	☐ Two or three species ☐ native
Habitat type Woodland	more than three species exotic
RE 11-11-14 11-11-18 VEG DS LANDFORM HSL	Species: C. Citiodora, E. Crebra,
soil Silty day.	E. terexicor nis
LANDSCAPE	Average height of overstory?  ☐ 3-5 m ☐ 5-10 m ☐ 10-15 m ☐ > 15 m
Shape of patch?	Are the trees?
☑ Circular / square ☐ Irregular ☐ Strip <50 m	Even-aged (Trees mostly the same age or size)
Strip >50 m	Multi-aged (Trees of varing size or age) most long thees
Strip details:	Are there obvious signs of dieback in the tree canopy?  None Some dieback Extensive dieback
☐ Windbreak ☐ Other	E como diopaga. E extensive diepagy
WidthArea of full patch that contains 1 ha area:	VEGETATION STRUCTURE : UNDERSTORY
☐ < 3 ha ☐ 3-10 ha ☐ 11-30 ha	Tall understory shrub cover (>2 m):  ☐ Absent ☐ Scattered ☐ Common ☐ Abundant
☐ 31-100 ha ☐ 101-400 ha ☐ 2-400 ha	If shrubs present:
Is the 1 ha patch connected to other similar sized or larger patches	single shrub species Are shrubs mostly?
of vegetation?  ☑ YES ☐ NO	two or three species Inative
	more than three species exotic
Position of this 1 ha search area relative to the surrounding tree / shrub cover?  A- Isolated  B-Semi isolated	Species: Acada autacocarpa, Planchonia Careya, Jagera pseudosius, Bursaria
☐ C-Not isolated ☐ C-N	Low shrub cover (0.5 m – 2 m):
Continuous tree/shrub cover	☐ Absent ☐ Scattered ☐ Common ☐ Abundant If shrubs present:
	single shrub species
(6)	Are shrubs mostly?
	☐ more than three species ☐ exotic
	Species: As asove.
	Dominant ground cover within this 1 ha area:
200 m	☐ Tussocks ☐ Hummocks ☐ Continuous grass / herbs
Is this 1 ha area on a:	Low Heath Weeds Bare dirt / rocks / litter
☐ Flat ☐ Ridge ☐ Gully ☑ Slope	
If slope, give aspect over 20 m	LAND USE Used for?
Degrees of slope over 20 m:	☐ Mixed grazing ☐ Sheep ☐ Cattle
Ø → E	☐ Crops Crop type
	Other Other
<b>□</b>	Julei L



#### **KEY HABITAT FEATURES HOLLOWS and LOGS** No. of hollows within 1 ha patch? □ Absent (0) Scattered (1-5) □ Common (6-10) Abundant (>10) ☑ dead ☐ living If present, are they mostly? Fallen trees or branches present 10-50 cm diameter? ☐ Scattered (1-10) (10-20) □ Absent Abundant ☐ (> 20) Fallen trees or branches present >50 cm diameter? □ Abundant (>10) □ Scattered □ Common (6-10) ⊠ Absent large fuller trees in State Forest across road Leaf litter? ☐ Absent Patchy Sparse ☐ Dense Mistletoe within this 1 ha area? Scattered Common ■ Absent ☐ Abundant **ROCKS** Outcrops within this 1 ha area? Absent ☐ Scattered ☐ Common ☐ Abundant Surface rocks of 10-30 cm diameter? Absent ☐ Scattered ☐ Common ■ Abundant Surface rocks of > 30 cm diameter? ☐ Scattered ☐ Common Absent ☐ Abundant Cliffs and overhangs within this 1 ha area? Absent □ Scattered □ Common ☐ Abundant If present, are they mostly? ☐ Sandstone ☐ Granite ■ Basalt ☐ Karst ☐ Other **CRACKING CLAY SOILS** ☐ YES ☐ NO **HABITAT QUALITY FOR:** Hollow dependent fauna Absent Poor ☐ Average ☐ Good ☐ Excellent Rock dependent fauna Absent | Poor ☐ Average ☐ Good ☐ Excellent Log dependent fauna Mayerage ☐ Good ☐ Excellent ☐ Absent ☐ Poor Small birds ☐ Average ☐ Good ☐ Excellent ☐ Absent ☐ Poor OTHER HABITAT QUALITY ASPECTS: Adjacent to SF increases value of this patch. Lacks some shuchral complexing ad regugia compared with SF, but good hasitat nonetheless. Most large frees are presumed to have been

# **HABITAT ASSESSMENT (cont.)**

TIABITAT AGGEGGMENT	·
WETLANDS Wetlands present?  YES NO	
TYPE OF WETLAND:	
	ach (all) al marsh
☐ Tidal forest (e.g. mangrove) ☐ Lag	
INLAND WETLAND:  ☐ Creek	lake (>8 ha)
Ephemeral Marsh / swamp with emergent veg	
☐ Large dam, reservoir (>8 ha) ☐ Small dam, p ☐ Irrigation channel, rice field ☐ Wastewater ☐ Canal, drainage channel, ditch ☐ Salt pond / fi	treatment
AREA OF WETLAND:	100 ha
FEATURES PRESENT  Broad, shallow, swampy areas for birds to feed  Islands for birds to roost and nest	
Dead or living trees in the water (partly submer roosting and nesting habitat	ged) for
Fencing to exclude grazing stock from direct ac	cess to
Dense tree and / or shrub cover close to the ed	ge of the
ADDITIONAL NOTES:	
photos 0211-6212 Rookabura	İ
Shiated pardalote.	
sizarea parecerote.	
SITE NO.	

Created by Memento Hermes & Dr Simon Hudson 2006

HLA HABITAT ASS	SESSMENT FOR 1 ha SEARCH AREA
PROJECT GLADSTONE - ARP	DATE 23/6/07
SITE NO FAO7 LOCATION 027	NAME D. Fleming
AMG 5 6 EASTING 3 0 9 9 5	9 NORTHING 7 3 5 8 9 4 2
DISTANCE and DIRECTION from TOWN: SITE ISkm (s)	(N. S. E. W.) OF IN (state)
WAS GPS USED? YES NO IF YES, WHICH DATUM WAS USED	O? ☐ Aust (84/66) ☐ WGS 84 or GDA ALTITUDE 60
GENERAL	VEGETATION STRUCTURE : OVERSTORY
Remnant trees Regrowth Plantation	Tree canopy cover (trees taller that 3 m):
☐ Native grasses (trees / shrubs may be present)	☐ Absent ☐ Sparse ☐ Open ☐ Dense
Non-native grasses (trees / shrubs may be present)	If trees present:  ☐ single tree species ;;
☐ Improved pasture ☐ Other	Are trees mostly?
Habitat type Open Forest	more than three species exotic
RE 12.11.6 VEG DS LANDFORM PLA	Species: C. citiodora, E. crebra
soil Sith day.	sponsor es arresportar, es e acres
	Average height of overstory?
LANDSCAPE   Shape of patch?	☐ 3-5 m ☐ 5-10 m ☐ 10-15 m ☐ > 15 m
☐ Circular / square ☐ Irregular ☐ Strip <50 m	Are the trees?    Description   Even-aged (Trees mostly the same age or size)
Strip >50 m	Multi-aged (Trees of varing size or age)
➡ Strip details: ☐ Creek / river ☐ Roadside	Are there obvious signs of dieback in the tree canopy?
☐ Windbreak ☐ Other	None □Some dieback □ Extensive dieback
Width	VEGETATION STRUCTURE : UNDERSTORY
Area of full patch that contains 1 ha area:	Tall understory shrub cover (>2 m):
☐ < 3 ha ☐ 3-10 ha ☐ 11-30 ha	☐ Absent ☐ Scattered ☑ Common ☐ Abundant
☐ 31-100 ha ☐ 101-400 ha ☐ 5 400 ha	If shrubs present:  ☐ single shrub species
Is the 1 ha patch connected to other similar sized or larger patches of vegetation?	Are shrubs mostly?
☐ YES ☐ NO	☐ more than three species ☐ exotic
Position of this 1 ha search area relative to the surrounding tree /	
shrub cover?  A- Isolated B-Semi isolated	Species: Alphitonia excelsa, Pogolobis reticulatus, Lophostemon haveolens.
☐ C-Not isolated ☐ D-Continuous tree / shrub	Low shrub cover (0.5 m - 2 m):
Continuous tree/shrub cover Scattered trees Grassland	Absent Scattered Common Abundant
Commons need Status Green	single shrub species
•	Are shrubs mostly?  If two or three species
<b>(a)</b>	☐ more than three species ☐ exotic
	Species: Bursana, Maytenus, Acacia
	Dominant ground cover within this 1 ha area:
200 m	Tussocks Hummocks Continuous grass / herbs
Is this 1 ha area on a:	Low Heath Weeds Bare dirt / rocks / litter
☐ Flat ☐ Ridge ☐ Gully ☐ Slope	
If slope, give aspect over 20 m	LAND USE Used for?
Degrees of slope over 20 m:	☐ Mixed grazing ☐ Sheep ☐ Cattle
₩ ♦	☐ Crops Crop type
OW SE	Other Other



#### **KEY HABITAT FEATURES HOLLOWS** and LOGS No. of hollows within 1 ha patch? Scattered (1-5) Abundant (>10) Absent □ Common (6-10) dead living if present, are they mostly? Fallen trees or branches present 10-50 cm diameter? Scattered (1-10) ☐ Common (10-20) □ Absent (0) **Abundant** □ (> 20) Fallen trees or branches present >50 cm diameter? Scattered (1-5) □ Absent (0) ☐ Common (6-10) □ Abundant (>10) Leaf litter? ☐ Absent Sparse Patchy Dense Mistletge within this 1 ha area? Absent ☐ Scattered ☐ Common ☐ Abundant **ROCKS** Outcrops within this 1 ha area? Absent ☐ Scattered ☐ Common ☐ Abundant Surface rocks of 10-30 cm diameter? Absent ☐ Scattered ☐ Common ☐ Abundant Surface rocks of > 30 cm diameter? Absent ☐ Scattered ☐ Common ☐ Abundant Cliffs and overhangs within this 1 ha area? Absent ☐ Scattered ☐ Common ☐ Abundant If present, are they mostly? □ Sandstone ☐ Granite ■ Basalt ☐ Karst ☐ Other CRACKING CLAY SOILS ☐YES ☐NO **HABITAT QUALITY FOR:** Hollow dependent fauna Absent Poor Average Good Excellent Rock dependent fauna ☐ Absent ☐ Poor ☐ Average ☐ Good ☐ Excellent Log dependent fauna ☑ Average ☐ Good ☐ Excellent ☐ Absent ☐ Poor Small birds Average Good Excellent ☐ Absent ☐ Poor OTHER HABITAT QUALITY ASPECTS: Evidence of past logging. Grand Cover dominated by Thatch grass.

WETLANDS Wetlands present?  YES NO
TYPE OF WETLAND:
MARINE:  Coral reef Rocky shore Beach (all)  Estuarine Tidal mudflat Tidal marsh  Tidal forest (e.g. mangrove) Lagoon  Saline / brackish lake / swamp
INLAND WETLAND:  ☐ Creek ☐ Drye ☐ Flowing ☐ River ☐ Floodplain, river flat ☐ Small billabong, pools (<8 ha) ☐ Freshwater lake (>8 ha) ☐ Shrubby swamp ☐ Wooded swamp ☐ Gilgai ☐ Claypan ☐ Ephemeral Marsh / swamp with emergent veg
ARTIFICIAL WETLANDS:  Large dam, reservoir (>8 ha) Small dam, pond, tank  Irrigation channel, rice field Wastewater treatment  Canal, drainage channel, ditch Salt pond / field
AREA OF WETLAND:  ☐ < 2 ha ☐ 2-8 ha ☐ 8-100 ha ☐ >100 ha  Water mostly ☐ Fresh ☐ Brackish / saline ☐ Salty
FEATURES PRESENT  Broad, shallow, swampy areas for birds to feed  Islands for birds to roost and nest
Dead or living trees in the water (partly submerged) for roosting and nesting habitat
Fencing to exclude grazing stock from direct access to
Dense tree and / or shrub cover close to the edge of the water
ADDITIONAL NOTES:
Reaceful dove Robrathura Mistlebe wird
SITE NO.

HLA HABITAT ASS	SESSMENT FOR 1 ha SEARCH AREA
PROJECT GLADSTONE - AG	DATE 25/6/07
SITE NO FAOS LOCATION 028	NAME D. Flerring
AMG 5 6 EASTING 3 0 9 9 9	NORTHING 7 3 5 9 1 9 3
DISTANCE and DIRECTION from TOWN: SITE ISkm (s)	(N. S. E. W.) OF IN (state)
WAS GPS USED? YES NO IF YES, WHICH DATUM WAS USE	Aust (84/66) WGS 84 or GDA ALTITUDE
GENERAL	VEGETATION STRUCTURE : OVERSTORY
Remnant trees Regrowth Plantation	Tree canopy cover (trees taller that 3 m):
☑ Native grasses (trees / shrubs may be present)	☐ Absent ☐ Sparse ☐ Open ☐ Dense
☐ Non-native grasses (trees / shrubs may be present)	if trees present:
☐ Improved pasture ☐ Other	Are trees mostly?
Habitat type Open Foreof with SEUT patches	more than three species exotic
RE 11.11.18 VEG DS LANDFORM RA	Species: C. Ciriodora, E. crebra, C.
soil Sity day.	tessellaris
LANDSCAPE	Average height of overstory?
Shape of patch?	☐ 3-5 m ☐ 5-10 m ☐ 10-15 m ☐ > 15 m  Are the trees?
☐ Circular / square ☐ Irregular ☐ Strip <50 m	Even-aged (Trees mostly the same age or size)
☐ Strip >50 m	Multi-aged (Trees of varing size or age)
Strip details:	Are there obvious signs of dieback in the tree canopy?
☐ Windbreak ☐ Other	None Some dieback Extensive dieback
Width	VEGETATION STRUCTURE: UNDERSTORY
Area of full patch that contains 1 ha area:	Tall understory shrub cover (>2 m):
☐ < 3 ha ☐ 3-10 ha ☐ 11-30 ha ☐ 21-30 ha ☐ 31-100 ha ☐ 400 ha	☐ Absent ☐ Scattered ☐ Common ☐ Abundant If shrubs present:
☐ 31-100 ha ☐ 101-400 ha ☐ 5 400 ha	☐ Absent ☐ Scattered ☐ Common ☐ Abundant If shrubs present: ☐ single shrub species
Is the 1 ha patch connected to other similar sized or larger patches of vegetation?	☐ Absent ☐ Scattered ☐ Common ☐ Abundant If shrubs present:
☐ 31-100 ha ☐ 101-400 ha ☐ 2400 ha  Is the 1 ha patch connected to other similar sized or larger patches	□ Absent □ Scattered □ Common □ Abundant  If shrubs present: □ single shrub species □ two or three species □ more than three species □ exotic
☐ 31-100 ha ☐ 101-400 ha ☐ 2 400 ha  Is the 1 ha patch connected to other similar sized or larger patches of vegetation?  ☐ YES ☐ NO  Position of this 1 ha search area relative to the surrounding tree /	□ Absent □ Scattered □ Common □ Abundant If shrubs present: □ single shrub species □ two or three species □ more than three species □ species: SEVT Hickers, Jagua
□ 31-100 ha □ 101-400 ha □ 400 ha  Is the 1 ha patch connected to other similar sized or larger patches of vegetation? □ YES □ NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover? □ A- Isolated □ B-Se mi isolated	□ Absent □ Scattered □ Common □ Abundant  If shrubs present: □ single shrub species □ two or three species □ more than three species □ psecies: SEVT Hickers, Jagara psecolorlus, Busaia, Disspyros pp.
☐ 31-100 ha ☐ 101-400 ha ☐ 2 400 ha  Is the 1 ha patch connected to other similar sized or larger patches of vegetation?  ☐ YES ☐ NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover?	□ Absent □ Scattered □ Common □ Abundant  If shrubs present: □ single shrub species □ two or three species □ mative □ more than three species □ exotic  Species: SEVT Hickers, Jagara psextorlus, Buraia. Diespyros sp.  Low shrub cover (0.5 m - 2 m):
□ 31-100 ha □ 101-400 ha □ 400 ha  Is the 1 ha patch connected to other similar sized or larger patches of vegetation?  □ YES □ NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover?  □ A- Isolated □ B-Semi isolated □ C-Not isolated □ D-Continuous tree / shrub	□ Absent □ Scattered □ Common □ Abundant  If shrubs present: □ single shrub species □ two or three species □ more than three species □ psecies: SEVT Hickers, Jagara psecolorlus, Busaia, Disspyros pp.
□ 31-100 ha □ 101-400 ha □ 400 ha  Is the 1 ha patch connected to other similar sized or larger patches of vegetation?  □ YES □ NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover?  □ A- Isolated □ B-Semi isolated □ C-Not isolated □ D-Continuous tree / shrub □ Continuous tree / shrub cover □ Scattered trees □ Grassland	Absent
□ 31-100 ha □ 101-400 ha □ 400 ha  Is the 1 ha patch connected to other similar sized or larger patches of vegetation? □ YES □ NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover? □ A- Isolated □ B-Semi isolated □ C-Not isolate	Absent
□ 31-100 ha □ 101-400 ha □ 400 ha  Is the 1 ha patch connected to other similar sized or larger patches of vegetation?  □ YES □ NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover?  □ A- Isolated □ B-Semi isolated □ C-Not isolated □ D-Continuous tree / shrub □ Continuous tree / shrub cover □ Scattered trees □ Grassland	Absent
□ 31-100 ha □ 101-400 ha □ 400 ha  Is the 1 ha patch connected to other similar sized or larger patches of vegetation? □ YES □ NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover? □ A- Isolated □ B-Semi isolated □ C-Not isolate	Absent   Scattered   Common   Abundant   If shrubs present:   single shrub species   Are shrubs mostly?   two or three species   I native   more than three species   exotic   Species:   SEVT + Livrets   Tagara   pseudorhus   Buraria   Diosperos sp.   Low shrub cover (0.5 m − 2 m):   Absent   Scattered   Common   Abundant   If shrubs present:   single shrub species   Are shrubs mostly?   two or three species   I native
□ 31-100 ha □ 101-400 ha □ 400 ha  Is the 1 ha patch connected to other similar sized or larger patches of vegetation? □ YES □ NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover? □ A- Isolated □ B-Semi isolated □ C-Not isolate	Absent   Scattered   Common   Abundant   If shrubs present:   single shrub species   Are shrubs mostly?   two or three species   Inative   Impore than three species   exotic
□ 31-100 ha □ 101-400 ha □ 400 ha  Is the 1 ha patch connected to other similar sized or larger patches of vegetation? □ YES □ NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover? □ A- Isolated □ B-Semi isolated □ C-Not isolate	Absent   Scattered   Common   Abundant   If shrubs present:   single shrub species   Are shrubs mostly?   two or three species   Inative   Impression   Provided
State 1 ha patch connected to other similar sized or larger patches of vegetation?  YES □ NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover?  □ A- Isolated □ B-Se mi isolated □ C-Not isolated □ D-Continuous tree / shrub  Continuous tree / shrub cover □ Scattered trees □ Grossland	Absent   Scattered   Common   Abundant If shrubs present:   single shrub species   Are shrubs mostly?   two or three species   mative   more than three species   exotic
31-100 ha	Absent
Is the 1 ha patch connected to other similar sized or larger patches of vegetation?  YES NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover?  A- Isolated B-Semi isolated  C-Not isolated D-Continuous tree / shrub  Continuous tree / shrub cover Scattered trees Grassland	Absent   Scattered   Common   Abundant If shrubs present:   single shrub species   Are shrubs mostly?   two or three species   mative   more than three species   exotic
31-100 ha	Absent
31-100 ha	Absent



### **KEY HABITAT FEATURES HOLLOWS and LOGS** No. of hollows within 1 ha patch? Scattered (1-5) □ Common (6-10) □ Abundant (>10) ☐ Absent ☐ dead ☐ living If present, are they mostly? Fallen trees or branches present 10-50 cm diameter? Scattered (1-10) ☐ Common (10-20) □ Absent (0) Abundant □ (> 20) Fallen trees or branches present >50 cm diameter? ☐ Scattered (1-5) Ø (6-10) ☐ Abundant (>10) Leaf litter? Patchy □ Absent ☐ Sparse ■ Dense Mistletoe within this 1 ha area? ☐ Scattered ☐ Common Absent □ Abundant **ROCKS** Outcrops within this 1 ha area? Absent ☐ Scattered ☐ Common □ Abundant Surface rocks of 10-30 cm diameter? Absent ☐ Scattered ☐ Common ☐ Abundant Surface rocks of > 30 cm diameter? Absent Scattered Common ☐ Abundant Cliffs and overhangs within this 1 ha area? Absent ☐ Scattered ☐ Common ■ Abundant If present, are they mostly? ■ Sandstone ☐ Granite ☐ Basalt ☐ Karst ☐ Other CRACKING CLAY SOILS ☐ YES ☑ NO **HABITAT QUALITY FOR:** Hollow dependent fauna ☐ Absent ☐ Poor ☐ Average ☐ Good ☐ Excellent Rock dependent fauna ☑ Absent ☐ Poor ☐ Average ☐ Good ☐ Excellent Log dependent fauna ☐ Average ☐ Good ☐ Excellent ☐ Absent ☐ Poor Small birds ☐ Average ☐ Good ☐ Excellent ☐ Absent ☐ Poor OTHER HABITAT QUALITY ASPECTS: SEVT-like understorey.

·	
WETLANDS	
Wetlands present?	
TYPE OF WETLAND:	
MARINE:	
Coral reef Rocky shore Beach (all)	
☐ Estuarine ☐ Tidal mudflat ☐ Tidal marsh	
☐ Tidal forest (e.g. mangrove) ☐ Lagoon	
Saline / brackish lake / swamp	
INLAND WETLAND: ☐ Creek ➡ ☐ Dry ☐ Flowing	
River Floodplain, river flat	
☐ Small billabong , pools (<8 ha) ☐ Freshwater lake (>8 ha) ☐ Shrubby swamp ☐ Wooded swamp	
Gilgai Claypan	
Ephemeral Marsh / swamp with emergent veg	
ARTIFICIAL WETLANDS:	
Large dam, reservoir (>8 ha) Small dam, pond, tank	
☐ Irrigation channel, rice field ☐ Wastewater treatment	
☐ Canal, drainage channel, ditch ☐ Salt pond / field	
AREA OF WETLAND:  ☐ < 2 ha ☐ 2-8 ha ☐ 8-100 ha ☐ >100 ha	
→ Water mostly	
Fresh Brackish / saline Salty	
FEATURES PRESENT  Broad, shallow, swampy areas for birds to feed	
☐ Islands for birds to roost and nest	
Dead or living trees in the water (partly submerged) for roosting and nesting habitat	
Fencing to exclude grazing stock from direct access to the waters edge	
Property of the state of the st	
Dense tree and / or shrub cover close to the edge of the water	
Water  ADDITIONAL NOTES:	
□water	
ADDITIONAL NOTES: Reinbon bonkeet Ranbon bee-eater	
ADDITIONAL NOTES: Reinlow bonkeet Raiban bee-eater Little prantied	
ADDITIONAL NOTES:  Reinborn bonkeet  Raiban bee-eater  mittle prantied  Praceful clare	
ADDITIONAL NOTES: Reinform bonkeet Raiban bee-eater Little frankind Praceful clare Brown honeyeater	
ADDITIONAL NOTES:  Reinborn bonkeet  Raiban bee-eater  mittle prantied  Praceful clare	

HLA HABITAT ASSE	SSMENT FOR 1 ha SEARCH AREA
PROJECT GLADSTONE - A	RP DATE 23/6/07
SITE NO PAO 9 LOCATION 029	NAME D. Fleming
	0 NORTHING 7360377
DISTANCE and DIRECTION from TOWN: SITE IS km (s)	
	Aust (84/66) WGS 84 or GDA ALTITUDE
	ALITODE
GENERAL    Remnant trees   Regrowth   Plantation	VEGETATION STRUCTURE: OVERSTORY Tree canopy cover (trees taller that 3 m):
□ Native grasses (trees / shrubs may be present)	☐ Absent ☐ Sparse ☐ Open ☐ Dense
Non-native grasses (trees / shrubs may be present)	If trees present: along drainage line
☐ Improved pasture ☐ Other	single tree species Are trees mostly?
Habitat type Riparian Woodland	■ two or three species • Inative
RE 11-3-4 VEG LANDFORM	more than three species exotic  Species: E- crebra E- tereticorms
SOIL	Species. 2 Stockey 2 Portancol (MS - Colored)
SOLL	Average height of overstory?
LANDSCAPE Shape of patch?	☐ 3-5 m ☐ 5-10 m ☐ 10-15 m ☐ > 15 m
☐ Circular / square ☐ Irregular ☐ Strip <50 m	Are the trees?  Even-aged (Trees mostly the same age or size)
☐ Strip >50 m	Multi-aged (Trees of varing size or age)
Strip details:	Are there obvious signs of dieback in the tree canopy?
☐ Windbreak ☐ Other	None  □-Some dieback  □ Extensive dieback
width 25	VEGETATION STRUCTURE: UNDERSTORY
Area of full patch that contains 1 ha area:	Tall understory shrub cover (>2 m):  ☐ Absent ☐ Scattered ☐ Common ☐ Abundant
☐ 31-100 ha ☐ 101-400 ha ☐ > 400 ha	If shrubs present:
Is the 1 ha patch connected to other similar sized or larger patches	☐ single shrub species  Are shrubs mostly?
of vegetation?	Two or three species
DYES No much larger adjoining	more than three species
Position of this 1 ha search area relative to the surrounding tree / shrub cover?	Species: Mcalcuca quingunania, C. trachyphloia.
☐ A Isolated ☐ B-Semi isolated	Laurence (25 - 27)
☐ C-Not isolated ☐ D-Continuous tree / shrub	Low shrub cover (0.5 m − 2 m):  ☐ Absent ☐ Scattered ☐ Common ☐ Abundant
Continuous tree/shrub cover Scattered trees Grassland	If shrubs present:
	single shrub species Are shrubs mostly?
	✓ two or three species     ✓ πative
	more than three species exotic
(e)	Species: Acacia spp, Hibiscus heterophylla, Xoumorrhea johnsoni.  Dominant ground cover within this 1 ha area:
200 m	
200 m	Tussocks Hummocks Continuous grass / herbs
Is this 1 ha area on a:	□ Low Heath □ Weeds □ Bare dirt / rocks / litter
☐ Flat ☐ Ridge ☐ Gully ☐ Slope  If slope, give aspect over 20 m	LAND USE
Degrees of slope over 20 m	Used for?  ☐ Mixed grazing ☐ Sheep ☐ Cattle
W S	Crops
	Crop type
	Other Other Adjacent to easement and orchard.



### **KEY HABITAT FEATURES HOLLOWS and LOGS** No. of hollows within 1 ha patch? Absent (0) ☐ Scattered (1-5) □ Common (6-10) □ Abundant (>10) ☐ dead ☐ living If present, are they mostly? Fallen trees or branches present 10-50 cm diameter? ⊠ Scattered (1-10) □ Common (10-20) □ Abundant (> 20) □ Absent Fallen trees or branches present >50 cm diameter? Absent (0) ☐ Scattered (1-5) ☐ Common (6-10) Abundant (>10) Leaf litter? Absent Patchy ☐ Sparse ☐ Dense Mistletoe within this 1 bararea? ☑ Scattered ☐ Common Absent ☐ Abundant ROCKS. Outgrops within this 1 ha area? ☑ Absent Scattered ☐ Common ☐ Abundant Surface rocks of 10-30-cm diameter? ☐ Absent Scattered Common ☐ Abundant Surface-rocks of > 30 cm diameter? Absent ☐ Scattered ☐ Common ☐ Abundant Cliffs and overhangs within this 1 ha area? Absent ☐ Scattered ☐ Common ☐ Abundant If present, are they mostly? □ Sandstone ☐ Granite ■ Basalt ☐ Karst ☐ Other CRACKING CLAY-SOILS ☐YES ☐1ÑO HABITAT QUALITY FOR: Hollow dependent fauna Absent | Poor ☐ Average ☐ Good ☐ Excellent Rock dependent fauna Absent Poor ☐ Average ☐ Good ☐ Excellent Log dependent fauna ☐ Absent ☐ Poor ☐ Average ☐ Good ☐ Excellent Small birds ☐ Absent ☐ Poor Average Good Excellent **OTHER HABITAT QUALITY ASPECTS:**

111 12 12 12 12 12 12 12 12 12 12 12 12
WETLANDS Wetlands present?
TYPE OF WETLAND:
MARINE:  Coral reef Rocky shore Beach (all)  Estuarine Tidal mudflat Tidal marsh  Tidal forest (e.g. mangrove) Lagoon  Saline / brackish lake / swamp
INLAND WETLAND:  ☐ Creek ☐ Dryi: ☐ Flowing ☐ River ☐ Floodplain, river flat ☐ Small billabong, pools (<8 ha) ☐ Freshwater lake (>8 ha) ☐ Shrubby swamp ☐ Wooded swamp
☐ Gilgai ☐ Claypan
Ephemeral Marsh / swamp with emergent veg
ARTIFICIAL WETLANDS:  Large dam, reservoir (>8 ha) Small dam, pond, tank  Irrigation channel, rice field Wastewater treatment  Canal, drainage channel, ditch Salt pond / field
AREA OF WETLAND:
FEATURES PRESENT  Broad, shallow, swampy areas for birds to feed
☐ Islands for birds to roost and nest ☐ Dead or living trees in the water (partly submerged) for
roosting and nesting habitat Fencing to exclude grazing stock from direct access to
the waters edge
Dense tree and / or shrub cover close to the edge of the water
Additional Notes:
from honeyester
grand cover dominated by weeds (Thatch grass, creeping
(and more)
SITE NO.

HLA HABITAT ASS	ESSMENT FOR 1 ha SEARCH AREA
PROJECT WADSTONE - ARP	DATE 24/6/07
SITE NO FA 10 LOCATION 032 - off line (	
AMG 5 6 EASTING 3 0 9 4 2	2 NORTHING 7 3 6 1 0 5 3
DISTANCE and DIRECTION from TOWN: SITE ISkm (s)	(N. S. E. W.) OF IN (state)
WAS GPS USED? YES NO IF YES, WHICH DATUM WAS USED	Aust (84/66) WGS 84 or GDA ALTITUDE
GENERAL	VEGETATION STRUCTURE : OVERSTORY
Remnant trees Regrowth Plantation	Tree canopy cover (trees taller that 3 m):
☐ Native grasses (trees / shrubs may be present)	☐ Absent ☐ Sparse ☐ Open ☐ Dense  If trees present:
Non-native grasses (trees / shrubs may be present)	☐ single tree species
☐ Improved pasture ☐ Other	Are trees mostly?
Habitat type Woodland / Open Forest	☐ more than three species ☐ exotic
RE 11-3-4 VEG DS LANDFORM PLA	Species: E. tercticornis, E. crebro,
soil Sandy day	C. ressellaris
	Average height of overstory?
LANDSCAPE Shape of patch?	☐ 3-5 m ☐ 5-10 m ☐ 10-15 m ☐ > 15 m
☐ Circular / square ☐ Irregular ☐ Strip <50 m	Are the trees?  Description:  Even-aged (Trees mostly the same age or size)
☐ Strip >50 m	Multi-aged (Trees of varing size or age) Cacking large, old frees.
Strip details:	Are there obvious signs of dieback in the tree canopy?
☐ Windbreak ☐ Other	☐ None ☐ Some dieback ☐ Extensive dieback
Width	VEGETATION STRUCTURE: UNDERSTORY
Aros of full patch that contains 1 ha aros.	
Area of full patch that contains 1 ha area:  M < 3 ha  D 3-10 ha  D 11-30 ha	Tall understory shrub cover (>2 m):
☑ < 3 ha ☐ 3-10 ha ☐ 11-30 ha	
□ <3 ha □ 3-10 ha □ 11-30 ha □ 31-100 ha □ 101-400 ha □ > 400 ha  concerted to > 400 ha patches, but	Tall understory shrub cover (>2 m):  ☐ Absent ☐ Scattered ☐ Common ☐ Abundant  If shrubs present: ☐ single shrub species
□ 31-100 ha □ 11-30 ha □ 31-100 ha □ 101-400 ha □ > 400 ha  concerted to > 400 ha patches, but Is the 1 ha patch connected to other similar sized or larger patches	Tall understory shrub cover (>2 m):  ☐ Absent ☐ Scattered ☐ Common ☐ Abundant  If shrubs present:
□ 3-10 ha □ 11-30 ha □ 31-100 ha □ 101-400 ha □ > 400 ha  concerted to > 1400 ha patches, but Is the 1 ha patch connected to other similar sized or larger patches	Tall understory shrub cover (>2 m):  ☐ Absent ☐ Scattered ☐ Common ☐ Abundant  If shrubs present: ☐ single shrub species  Are shrubs mostly?
Sha S-10 ha S-10 ha S1-30 ha  Sha S1-100 ha Sha Sha Sha Sha Sha Sha Sha Sha Sha	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species
3 ha   3-10 ha   11-30 ha   31-100 ha   31-100 ha   31-100 ha   3400 ha	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species
□ <3 ha □ 3-10 ha □ 11-30 ha □ 31-100 ha □ 101-400 ha □ > 400 ha   tonceted to > 1400 ha patches, but Is the 1 ha patch connected to other similar sized or larger patches of vegetation? □ YES □ NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover? □ A- Isolated □ B-Semi isolated	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  species: haphostemon Succeedens, Acaiq  polystachya, Impetes Lantana  Low shrub cover (0.5 m - 2 m):
□ <3 ha □ 3-10 ha □ 11-30 ha □ 31-100 ha □ 101-400 ha □ > 400 ha   Lanceta to > 1400 ha □ patches, but Is the 1 ha patch connected to other similar sized or larger patches of vegetation? □ YES □ NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover? □ A- Isolated □ B-Semi isolated □ C-Not isolated □ D-Continuous tree / shrub	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  species: haphostemon Survedent, Acaciq  polystachya, Ingretes Lantana  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant
□ <3 ha □ 3-10 ha □ 11-30 ha □ 31-100 ha □ 101-400 ha □ > 400 ha   tonceted to > 1400 ha patches, but Is the 1 ha patch connected to other similar sized or larger patches of vegetation? □ YES □ NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover? □ A- Isolated □ B-Semi isolated	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  species: haphostemon Suarealem, Acaciq  polystachaa, Ingretes Lantana  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species
□ <3 ha □ 3-10 ha □ 11-30 ha □ 31-100 ha □ 101-400 ha □ > 400 ha  Lanceta to > 1400 ha patches, but Is the 1 ha patch connected to other similar sized or larger patches of vegetation? □ YES □ NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover? □ A- Isolated □ B-Semi isolated □ C-Not isolated □ D-Continuous tree / shrub	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  Species: haphostemon Succelers, Acaiq  polystachya, Dypetes Lantana  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?
□ 31-100 ha □ 101-400 ha □ > 400 ha  Lanceted to > 400 ha  Lanceted to > 400 ha  Lanceted to other similar sized or larger patches of vegetation?  □ YES □ NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover?  □ A- Isolated □ B-Semi isolated  □ C-Not isolated □ D-Continuous tree / shrub  □ Continuous tree/shrub cover □ Scuttered trees □ Grussland	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  species: hophostemon Succeedent, Acaciq  polystachia, Dypetes Lantana  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species
□ 31-100 ha □ 101-400 ha □ > 400 ha  Lanceted to > 400 ha  Lanceted to > 400 ha  Lanceted to other similar sized or larger patches of vegetation?  □ YES □ NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover?  □ A- Isolated □ B-Semi isolated  □ C-Not isolated □ D-Continuous tree / shrub  □ Continuous tree/shrub cover □ Scuttered trees □ Grussland	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  Species: haphostemon Survedent, Acaciq  polystachya, Ingretes Lantana  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species
□ 31-100 ha □ 101-400 ha □ > 400 ha  Lanceted to > 400 ha  Lanceted to > 400 ha  Lanceted to other similar sized or larger patches of vegetation?  □ YES □ NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover?  □ A- Isolated □ B-Semi isolated  □ C-Not isolated □ D-Continuous tree / shrub  □ Continuous tree/shrub cover □ Scuttered trees □ Grussland	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  Species: haphostemon Survedent, Acaciq  polystachya, Ingretes Lantana  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species
□ 31-100 ha □ 101-400 ha □ > 400 ha  Lanceted to > 400 ha  Lanceted to > 400 ha  Lanceted to other similar sized or larger patches of vegetation?  □ YES □ NO  Position of this 1 ha search area relative to the surrounding tree / shrub cover?  □ A- Isolated □ B-Semi isolated  □ C-Not isolated □ D-Continuous tree / shrub  □ Continuous tree/shrub cover □ Scuttered trees □ Grussland	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  Species: haphostemon Suaveolem, Acacia  polystachya, Drypetes Lantana  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  more than three species  species: Melim's repens, Paniama Pianiama  Umo choo, Lantana Canara  Dominant ground cover within this 1 ha area:
31-100 ha	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  Species: haphostemon Survedent, Acaciq  polystachya, Ingretes Lantana  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species
3 ha	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant  If shrubs present:  Single shrub species  Are shrubs mostly?  Two or three species  Species: haphosteman Suavealers, Aracia  Polystachya, Dypetes Lantana  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant  If shrubs present:  Single shrub species  Are shrubs mostly?  Two or three species  The shrubs mostly?  Two or three species  Species: Melin's repens, Paniam Alaxima,  Umo chioa, Lantana Canara  Dominant ground cover within this 1 ha area:  Tussocks Hummocks Continuous grass / herbs
31-100 ha	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant  If shrubs present:  Single shrub species  Two or three species  More than three species  Species: haphostemon Suarealems, Acacia  polystachya, Dypetes, Lantana  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  Two or three species  More than three species  More than three species  Species: Melin's repens, Pancum Alaxima.  Uno Moa Lantana Canara  Dominant ground cover within this 1 ha area:  Tussocks Hummocks Continuous grass / herbs  LAND USE
31-100 ha	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant  If shrubs present:  Single shrub species  Two or three species  More than three species  Species: haphostemon Suarcelens, Acacia  polystachya, Dypetes, Lantana  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant  If shrubs present:  Single shrub species  Are shrubs mostly?  Two or three species  Are shrubs mostly?  Two or three species  More than three species  Species: Melinis repens, Paniama Maxima  Uno choo, Lantana Canara  Dominant ground cover within this 1 ha area:  Tussocks Hummocks Continuous grass / herbs  Low Heath Weeds  Weeds  Ware dirt / rocks / litter
31-100 ha	Tail understory shrub cover (>2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  Species: hophostemon Suarcelens, Araig  polystachya, Dypetes Lantara  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  more than three species  more than three species  species: Melim's repens, Panama  Dominant ground cover within this 1 ha area:  Tussocks Hummocks Continuous grass / herbs  Low Heath Weeds  Sheep Cattle  Crops
31-100 ha	Tall understory shrub cover (>2 m):  Absent



### **KEY HABITAT FEATURES HOLLOWS and LOGS** No. of hollows within 1 ha patch? Absent (0) ☐ Scattered (1-5) □ Common (6-10) □ Abundant (>10) dead living If present, are they mostly? Fallen trees or branches present 10-50 cm diameter? Abundant (> 20) □ Absent Scattered (1-10) □ Common (10-20) Fallen trees or branches present >50 cm diameter? □ Abundant (>10) Scattered **D**Absent □ Common (6-10) Leaf litter? Patchy ■ Absent ☐ Sparse □ Dелѕе Mistletoe within this 1 ha area? Scattered Common ☐ Absent ■ Abundant **ROCKS** Outcrops within this 1 ha area? Absent ☐ Scattered ☐ Common ■ Abundant Surface rocks of 10-30 cm diameter? Absent Scattered Common ☐ Abundant Surface rocks of > 30 cm diameter? Absent ☐ Scattered ☐ Common ☐ Abundant Cliffs and overhangs within this 1 ha area? Absent ☐ Scattered ☐ Common ■ Abundant If present, are they mostly? ■ Sandstone ☐ Granite ■ Basalt ☐ Karst ☐ Other CRACKING CLAY SOILS ☐YES ☑NO **HABITAT QUALITY FOR:** Hollow dependent fauna Absent Poor ☐ Average ☐ Good ☐ Excellent Rock dependent fauna ☑ Absent ☐ Poor ☐ Average ☐ Good ☐ Excellent Log dependent fauna ☐ Average ☐ Good ☐ Excellent Absent Poor Small birds Average Good Excellent ☐ Absent ☐ Poor OTHER HABITAT QUALITY ASPECTS: Several piles of fallen linds, branches. Drahage the through middle of petern Evidence of burning in adjacent Poperbale Cloremant. Very recent parches. General land maintenance. | fire and maintenance of undersory. Culverby importer for but realting.

# UADITAT ACCECCMENT /aaa4\

HADITAT ASSESSIVIENT (COIIL)		
WETLANDS Wetlands present?  YES NO		
TYPE OF WETLAND:		
MARINE:  Coral reef Rocky shore Beach (all)  Estuarine Tidal mudflat Tidal marsh  Tidal forest (e.g. mangrove) Lagoon  Saline / brackish lake / swamp		
INLAND WETLAND: ☐ Creek ☐ Drye ☐ Flowing		
River Floodplain, river flat		
☐ Small billabong , pools (<8 ha)		
ARTIFICIAL WETLANDS:  Large dam, reservoir (>8 ha) Small dam, pond, tank  Irrigation channel, rice field Wastewater treatment  Canal, drainage channel, ditch Salt pond / field		
AREA OF WETLAND:		
FEATURES PRESENT  Broad, shallow, swampy areas for birds to feed  Islands for birds to roost and nest		
Dead or living trees in the water (partly submerged) for roosting and nesting habitat		
Fencing to exclude grazing stock from direct access to the waters edge		
Dense tree and / or shrub cover close to the edge of the water		
ADDITIONAL NOTES:		
Grey fontail Smaked pardalote Darble barned final Maggie		
Drawage line through middle of patch		

HLA HABITAT ASSE	ESSMENT FOR 1 ha SEARCH AREA
PROJECT GLADSTONE - ARP	DATE 2416107
SITE NO. FAIL LOCATION 034 adjacent	to Oxisting pipeline D. Flaming.
AMG 51 6 EASTING 3 1 1 0 0	6 NORTHING 7 3 6 2 5 4 2
DISTANCE and DIRECTION from TOWN: SITE ISkm (s)	(N. S. E. W.) OF IN (state)
WAS GPS USED? TES NO IF YES, WHICH DATUM WAS USED?	Aust (84/66) WGS 84 or GDA ALTITUDE
GENERAL	VEGETATION STRUCTURE : OVERSTORY
Remnant trees Regrowth Plantation	Tree canopy cover (trees taller that 3 m):
Native grasses (trees / shrubs may be present)	Absent Sparse Open Dense
☐ Non-native grasses (trees / shrubs may be present)	if trees present:
☐ Improved pasture ☐ Other	Are trees mostly?  ☐ two or three species ☐ native
Habitat type Forest/Woodland	
RE (2.11.6 VEG DS LANDFORM HSL	Species: C. cimbdora, E. crebra, C.
Sc d. Man	ethy phlaia, E. fibrosa.
SOIL Straig Cray	Average height of overstory?
LANDSCAPE	□ 3-5 m □ 5-10 m □ 10-15 m □ > 15 m
Shape of patch?  Circular / square  Tregular  Strip <50 m	Are the trees?
Strip >50 m	Even-aged (Trees mostly the same age or size)
Crock (siver     Beadeide	Multi-aged (Trees of varing size or age) absent.
Strip details: Creek / river Roadside	Are there obvious signs of dieback in the tree canopy?  None Some dieback Extensive dieback
☐ Windbreak ☐ Other	
Width	
	VEGETATION STRUCTURE: UNDERSTORY
Area of full patch that contains 1 ha area:	Tall understory shrub cover (>2 m):
Area of full patch that contains 1 ha area:	
Area of full patch that contains 1 ha area:  ☐ < 3 ha ☐ 3-10 ha ☐ 11-30 ha  ☐ 31-100 ha ☐ 101-400 ha ☐ > 400 ha	Tall understory shrub cover (>2 m):  ☐ Absent ☐ Scattered ☐ Common ☐ Abundant  If shrubs present: ☐ single shrub species
Area of full patch that contains 1 ha area:    <3 ha	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant If shrubs present:
Area of full patch that contains 1 ha area:    <3 ha	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant If shrubs present:  single shrub species  Are shrubs mostly?
Area of full patch that contains 1 ha area:    < 3 ha	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant If shrubs present:  single shrub species Are shrubs mostly?  two or three species more than three species  Species: hophostemon Surveyers,
Area of full patch that contains 1 ha area:    < 3 ha	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant If shrubs present:  single shrub species Are shrubs mostly?  two or three species more than three species  absolute cover (>2 m):  Abundant  Are shrubs mostly?
Area of full patch that contains 1 ha area:    < 3 ha	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  Species: hophostemon scareaeens,  Acacia Spp.  Low shrub cover (0.5 m - 2 m):
Area of full patch that contains 1 ha area:    < 3 ha	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  Species: hophostemon Scareolens,  Acacia Spp.  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant
Area of full patch that contains 1 ha area:    < 3 ha	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  Species: hophostemon Scareolens,  Acacia Spp.  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species
Area of full patch that contains 1 ha area:    < 3 ha	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  Species: hophostemon savedens,  Acacia 5pp.  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?
Area of full patch that contains 1 ha area:    < 3 ha	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  Species: hophostemon Scareolens,  Acacia Spp.  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  Two or three species
Area of full patch that contains 1 ha area:    < 3 ha	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant If shrubs present:  single shrub species Are shrubs mostly?  two or three species  more than three species  Species: hophostemon savedens,  Acacia Spp.  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  more than three species  more than three species
Area of full patch that contains 1 ha area:    < 3 ha	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  Species: hophostemon Scarecens,  Acacia Spp.  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  more than three species  more than three species  species: Posonology tehculous,
Area of full patch that contains 1 ha area:    < 3 ha	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  Species: hophostemon savecens,  Acacia Jpp.  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  more than three species  species: Pogonology tehiculotis,  Yanthorrhea Shasoni  Dominant ground cover within this 1 ha area:
Area of full patch that contains 1 ha area:    < 3 ha	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant If shrubs present:  single shrub species Are shrubs mostly?  two or three species Species:  Species: hophostemon savedens,  Acacia Spp.  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant If shrubs present:  single shrub species Are shrubs mostly?  two or three species Are shrubs mostly?  which is a species speci
Area of full patch that contains 1 ha area:    < 3 ha	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  Species: hophostemon savecens,  Acacia Jpp.  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant  If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  more than three species  species: Pogonology tehiculotis,  Yanthorrhea Shasoni  Dominant ground cover within this 1 ha area:
Area of full patch that contains 1 ha area:    < 3 ha	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  Species: hophoshemon Scareolems,  Acada Spp.  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  more than three species  species: Posonologus teliculos,  yanthorrhee Species  Tussocks Hummocks Continuous grass / herbs  Low Heath Weeds  Bare dirt / rocks / litter
Area of full patch that contains 1 ha area:    <3 ha	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  Species: hophostemon Scattered,  Absent Scattered Common Abundant If shrubs present:  single shrub species  two or three species  Are shrubs mostly?  two or three species  Are shrubs mostly?  two or three species  more than three species  more than three species  species: Posonolosus tehiculous,  Yanthorr hea Shrubs Continuous grass / herbs  Low Heath Weeds  Bare dirt / rocks / litter  LAND USE  Used for?
Area of full patch that contains 1 ha area:    < 3 ha	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  Species: hophostemon saveocens,  Acada 5pp.  Low shrub cover (0.5 m - 2 m):  Absent Scattered Common Abundant If shrubs present:  single shrub species  two or three species  more than three sp
Area of full patch that contains 1 ha area:    <3 ha	Tall understory shrub cover (>2 m):  Absent Scattered Common Abundant If shrubs present:  single shrub species  Are shrubs mostly?  two or three species  more than three species  Species: hophostemon Scattered,  Absent Scattered Common Abundant If shrubs present:  single shrub species  two or three species  Are shrubs mostly?  two or three species  Are shrubs mostly?  two or three species  more than three species  more than three species  species: Posonolosus tehiculous,  Yanthorr hea Shrubs Continuous grass / herbs  Low Heath Weeds  Bare dirt / rocks / litter  LAND USE  Used for?



### **KEY HABITAT FEATURES HOLLOWS and LOGS** No. of hollows within 1 ha patch? Abundant (>10) Absent Scattered (1-5) □ Common (6-10) dead living If present, are they mostly? Fallen trees or branches present 10-50 cm diameter? ☐ Scattered (1-10) ☑ (10-20) Abundant Fallen trees or branches present >50 cm diameter? ☐ Scattered ☐ Common (6-10) ☐ Abundant (>10) Leaf litter? Patchy ☐ Sparse ☐ Absent ☐ Dense Mistletoe within this 1 ha area? Absent ☐ Scattered ☐ Common ☐ Abundant **ROCKS** Outcrops within this 1 ha area? □ Scattered □ Common Absent ☐ Abundant Surface rocks of 10-30 cm diameter? ☑ Absent ☐ Scattered ☐ Common ☐ Abundant Surface rocks of > 30 cm diameter? Absent □ Scattered □ Common ■ Abundant Cliffs and overhangs within this 1 ha area? Absent ☐ Scattered ☐ Common ☐ Abundant If present, are they mostly? ☐ Sandstone ☐ Granite ■ Basalt ☐ Karst Other CRACKING CLAY SOILS ☐YES 🗹 NO **HABITAT QUALITY FOR:** Hollow dependent fauna ☑ Absent ☐ Poor ☐ Average ☐ Good ☐ Excellent Rock dependent fauna ☑ Absent ☐ Poor ☐ Average ☐ Good ☐ Excellent Log dependent fauna Average Good Excellent ☐ Absent ☐ Poor Small birds ☐ Absent ☐ Poor ☐ Average ☐ Good ☐ Excellent OTHER HABITAT QUALITY ASPECTS: Appears to be an ald railway line, converted into gas pipeline. Hosence of large ald mees, Acaia patches pravides some hobitat for mall birds.

	WETLANDS Wetlands present? ☐ YES ☑ NO		
	TYPE OF WETLAND:		
	MARINE:  Coral reef Rocky shore Beach (all)  Estuarine Tidal mudflat Tidal marsh  Tidal forest (e.g. mangrove) Lagoon  Saline / brackish lake / swamp		
	INLAND WETLAND: ☐ Creek ☐ Dryi- ☐ Flowing		
	River Floodplain, river flat		
	Small billabong , pools (<8 ha)		
	Shrubby swamp Wooded swamp		
	☐ Gilgai ☐ Claypan		
	Ephemeral Marsh / swamp with emergent veg		
	ARTIFICIAL WETLANDS:  Large dam, reservoir (>8 ha)  Small dam, pond, tank  Irrigation channel, rice field  Wastewater treatment		
	☐ Canal, drainage channel, ditch ☐ Salt pond / field		
	AREA OF WETLAND:		
l	FEATURES PRESENT  Broad, shallow, swampy areas for birds to feed		
	☐ Islands for birds to roost and nest		
Dead or living trees in the water (partly submerged) for roosting and nesting habitat			
Fencing to exclude grazing stock from direct access to the waters edge			
	Dense tree and / or shrub cover close to the edge of the water		
ADDITIONAL NOTES:			
	Rainbow Conhect		
	Shared perdolote.		
	Railow hee eaver		
	hadiatorna		
	Whistling kite White-Floored honeyaber		
	White-throaded honeyater		
	Coey fantais.		
	SITE NO.		