

k

ite ID: 219 pecies	Cover	Abund.	Species		10	Cover	Abund.
Evenyotus terticomis	- 3	the second se	opeand				
E. nolluccana	- 3	314	49				
	3	30	43				
		20+	44				
Sarcio nedegasco->1	2	20+	45				
cirsium vulgible	- 3	201	æ				
cotule U	10- 31	204	47				
Oxalis - smooth Yello	10- 20	1	47 24				
solam night	4	1					
Penisetin Veladostin		204	10				
Paspalin	2	201	60				
sida vhanhifdig	× ×	1	01				
Daucus - count tops	2	247t	83				
(onjea bonainis	- 2	20+	60				
apenus gracilis	- 2-	45 1	64				
childres payona	2	2.04	88				-
Hypochais idicate	2	201					
Speidedus parramattinsis		1.00	24				
		++	ép.				
Sondur deracens		1	-				
sticking radger	2	zot	60				
Tricottin vegen	1	103	-				
chide weed	-	1.	62 43				-
Vicia sativa		1	60				1
		201	64 60				
Dichondra vegens	- 2.	1001	60				
1			67				
7	-						
	-	-	103				
0		-	75				
0			71				
	_		75			-	
			73				1
			74				
a	-	-	78				
a			76				
2			77				
	-		78				
			Y9				
0			но				
Sp. Richness Native Exotic	Ground lay	er % 1x1 plots	Q1	Q2	Q3	Q4	Q5
Tree		enniai grass					
Shrub (Native othe						
Grass (annual)	Native forb						
Grass (perennial)	Native shri	# (<1m)					
Other (annual)	Exotic grad	ŝ					
Other (perennial)	Exotic forb	& other				-	
	Leaf & stic	k ätter					
	Rocks						
Cover abundance scale	Bare grour	nd					
Modified Braun-blanquet 6 scale	Cryptogam	5					
	Total		100	100	100	10	00
1 <5% - rare	Plot Distur	bance			Fire damage:		
2 <5% - common	Clearing (i	na. logging):			Storm damage:		
3 5 - 25%	Cultivation	(inc. pasture);			Trampling:		
4 25 - 50%	Soil erosio	n:			Flood damage:		
5 50 - 75%	Firewood	cofection:			Feral herbivores:		
6 75 - 100%	Stock graz	in an			Other:		

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N	529 M	-01/1 UD	DA				Moa	16000
	529 M	in y cur		BioBa	nking Field S	heet	- Mod,	1/
	JAC	OB	S		0 1	12	Entre	erd
		2 2 40 C		sales	tark	01		
urvey Site	e Form - BioBank			site 10: Church			CPW	
ete	2/9/20	215	10	the second s	as de	and the second se	1 1010	1.017
aypoint ID		52-7 (63	Photo numbers 12	63	1264	1265	1266
Coordinates	E			Photo direction	N	E	s	w
apped Vegel	tation type:	10		Conditio	orv		Low	Mod-good
	, Mod, Steep	*	ees or cardin			5m	- Con	
pography:	crest, ridge, upper slop	e, mid slope, do	wn slope, gult	, flat, depression, watercou				
eology: bas	alt, granite, conglomera	te, sandstone, s	iltstone/mudst	one, shale, aduvium, limest	one, metamorph	nics, gravel, ?		
oil type: san	id, loam, glay organic, ş	pravel, skeletal,	7	Soil disturbance: iplact	opsoil removed	l, fill		
emnant / Old	growth (uncleared):	YesTNg Un	decided?					
egetative Str	ucture (formation) = O	ign for	- And	Ecologically Dominant Lay	/e≠(EDL) - mos	t biomess = (cu	gey	
Strata	Height interval	Median	Est cover	Dominant Species & Dom	inance		1	
E	8							
		<u>+</u>		B		1.150.00		
T1	-2 Ar			Evention	us no	officana s		
	20 25	1		Every phis	100 M	Lug		
		<u> </u>						
T2								
тз	2							
				Acacia				
~				Bursania	spi	pega stratis		
S1				Indight are	au	shralis		
		+						
S2								
				-				
		t		Erectrost	ns.	corrula		
G				diland.	norper		reda	
2010				pristila	- 1	Microla	eng	
	Tree height (clino) lave	al ground or top r	uf slope = dista	nce from tree x (top% + botk	.m%)			
	Tree height (dino) from	n bollom of slope	r = distance from the second secon	om tree x (top% - bollom%)				
)efinitions	152 - 15		82355-18	1102.00				
ominance	d = dominant; c = co-d			associated				
	- 1 - included (0.2.30)			was /20.50%); m = mid data	a (ED. 80%) y d a	dense (80, 100%)		
	ar 1 = isolated (0.2-2%); v			arse (20-50%); m = mid dens	e (50-80%); d =	dense (80-100%)		
stimated cove		v = very sparsě (2-20%); s = sp					
stimated cove	ins height classes: 1-3m	v = very sparse (= dwarf; 3-6m =	2-20%); s = sp low; 6-12m = n	arse (20-50%); m ~ mid dens nid-high; 12-20m = tail; 20-35 woodland; 20-50% = woodla	5m = very talt; >3	5m = extremely tail	sed forest	
alimated cove	ins height classes: 1-3m	v = very sparse (= dwarf; 3-6m =	2-20%); s = sp low; 6-12m = n	nid-high; 12-20m = tail; 20-35	5m = very talt; >3	5m = extremely tail	ised forest	
stimated cove raker & Hopk r&H Crown co	ins height classes: 1-3m over: <0,2% = isolaled tre	v = very sparse (= dwarf; 3-6m =	2-29%); s = spi low; 6-12m = n 2-20% = open	nid-high; 12-20m = tail; 20-35	5m = very tall; >3 nd; 50-80% = op	5m ≈ extremely tail en forest; 80-100% ≈ da	sed forest	
nimaled cove raker & Hopk r&H Crown co Om Transect	ins height classes: 1-3m aver: <0,2% = isolated tre 10 Points - Fo Canopy % (photos)	v = very sparse (= dwarf; 3-6m = ses or clumps; 0. oliage Projective	2-20%); s = spi low; 6-12m = n 2-20% = open 2-20% = cover Exotic %	nid-high; 12-20m = talt; 20-35 woodfand; 20-50% = woodfa Ground cover tally sheet, - every 1m record if plant	5m = very tall; >3 nd; 50-80% = op 50 points along	5m = oxtremely tail en forest; 80-100% = clo 50m transect	sed forest	
nimaled cove raker & Hopk /&H Crown co // Transect pint m	ins height classes: 1-3m aver: <0,2% = isolated tre 10 Points - Fo Canopy % (photos) 	v = very sparse (= dwarf; 3-6m = ses or clumps; 0. oliage Projective	2-20%); s = spi low; 6-12m = n 2-20% = open e Caver Exotic %	nid-high; 12-20m = talt; 20-35 woodfand; 20-50% = woodfa Ground cover tally sheet, - every 1m record if plant	5m = very tall; >3 nd; 50-80% = op 50 points along	5m = oxtremely tail en forest; 80-100% = clo 50m transect	ised forest	Total (hts/50)
nimated cove raker & Hopk I&H Crown co Om Transect oint m Dm	ins height classes: 1-3m aver: <0,2% = isolated tre 10 Points - Fo Canopy % (photos) 	v = very sparse (= dwarf; 3-6m = ees or clumps; 0. oliage Projective Midstorey %	2-20%); s = spi low; 6-12m = n 2-20% = open s Cover Exotic %	nid-high; 12-20m = talt; 20-35 woodland; 20-50% + woodla Ground cover tally sheet,	5m = very tall; >3 nd; 50-80% = op 50 points slong	5m = oxtremely tail en forest; 80-100% = clo 50m transect		Total (hts/50)
nimated cove raker & Hopk /&H Crown co 0m Transect oint m 0m 5m	ins height classes: 1-3m aver: <0,2% = isolated tre 10 Points - Fo Canopy % (photos) 7.6 0	v = very sparse (= dwarf; 3-6m = ees or clumps; 0. oliage Projective Midstorey % O	2-20%); s = spi low; 8-12m = n 2-20% = open e Cover Exotic % 0 0	nid-high; 12-20m = talt; 20-35 woodfand; 20-50% = woodfa Ground cover tally sheet, - every 1m record if plant	5m = very tall; >3 nd; 50-80% = op 50 points slong	5m = oxtremely tail en forest; 80-100% = clo 50m transect	ised forest	Total (hits/50)
silmated cove raker & Hopk /&H Crown of Om Transect oint oint oint fim Om Om	ins height classes: 1-3m aver: <0,2% = isolated tra 10 Points - Fo Canopy % (photos) 2.6 0 2.6	v = very sparse (= dwarf; 3-6m = ees or clumps; 0. oliage Projective Midstorey %	2-20%); s = spi low; 6-12m = n 2-20% = open s Cover Exotic %	nid-high; 12-20m = talt; 20-35 woodfand; 20-50% = woodfa Ground cover tally sheet, - every 1m record if plant	5m = very tall; >3 nd; 50-80% = op 50 points slong	5m = oxtremely tail en forest; 80-100% = clo 50m transect	esed forest	Total (hits/50)
nimated cove raker & Hopk /&H Crown oc om Transect oint m Dm Dm Dm Sm Dm Sm	ins height classes: 1-3m rver: <0,2% = isolated tre 10 Points - Fo Canopy % (photos) 2.6 0 2.6 4.0	v = very sparse (= dwarf; 3-6m = ees or clumps; 0. 0lage Projective Midstorey %.	2-20%); s = spi low; 8-12m = n 2-20% = open 2-20% = open	nd-high; 12-20m = tall; 20-35 woodfand; 20-50% = woodfa Ground cover tally sheet, - every 1m record if plant Native grass tally -	5m = very tall; >3 nd; 50-80% = op 50 points along intersects (hits)	Sim = extremely tail en forest; 80-100% = ck 50m transect point	sed forest	607,
nimated cove raker & Hopk /&H Crown or oint oint m Om Sim Om Sim Om Sim Om	ins height classes: 1-3m rver: <0,2% = isolated tre 10 Points - Fo Canopy % (photos) 2.6 0 2.6 4.0 10 0 0 0 0 0 0 0 0 0 0 0 0 0	v = very sparse (= dwarf; 3-6m = ees or clumps; 0. oliage Projective Midstorey %	2-20%); s = spi low; 8-12m = n 2-20% = open 2-20% = open	nid-high; 12-20m = talt; 20-35 woodfand; 20-50% = woodfa Ground cover tally sheet, - every 1m record if plant	5m = very tall; >3 nd; 50-80% = op 50 points along intersects (hits)	Sim = extremely tail en forest; 80-100% = ck 50m transect point	ised forest	Total (hits/50) 607 Total (hits/50)
nimated cove raker & Hopk /&H Crown oc om Transect oint m Dm Dm Dm Sm Dm Sm Dm Sm Dm Sm	ins height classes: 1-3m rver: <0,2% = isolated tre 10 Points - Fo Canopy % (photos) 2.6 2.6 4.0	v = very sparse (= dwarf; 3-6m = ees or clumps; 0. oliage Projective Midstorey % O O O O O O O	2-20%); s = spi low; 8-12m = n 2-20% = open 2-20% = open	nd-high; 12-20m = tall; 20-35 woodfand; 20-50% = woodfa Ground cover tally sheet, - every 1m record if plant Native grass tally -	5m = very tall; >3 nd; 50-80% = op 50 points along intersects (hits)	Sim = extremely tail en forest; 80-100% = ck 50m transect point	ised forest	60%
nimated cove raker & Hopk (&H Crown or Om Transect oint m Dm Dm Dm Dm Dm Dm Dm Dm Dm Dm Dm Dm	ins height classes: 1-3m rour: <0,2% = isolated tre 10 Points - Fo Canopy % (photos) 76 0 26 40 10 30 20 5	v = very sparse (= dwarf; 3-6m = ees or clumps; 0. 0lage Projective Midstorey % 0 0 0 0 0	2-20%); s = spi low; 8-12m = n 2-20% = open cover Exotic % 0 0 0 0	nd-high; 12-20m = tall; 20-35 woodfand; 20-50% = woodfa Ground cover tally sheet, - every 1m record if plant Native grass tally -	5m = very tall; >3 nd; 50-80% = op 50 points along intersects (hits)	Sim = extremely tail en forest; 80-100% = ck 50m transect point	ised forest	607,
elimated cove raker & Hopk (&H Crown or Om Transect oint m Dm Dm Dm Dm Sm Dm Sm Dm Sm Dm Sm Dm Sm	ins height classes: 1-3m rour: <0,2% = isolated tre 10 Points - Fo Canopy % (photo6) 76 0 2.6 40 10 30 2.0	v = very sparse (= dwarf; 3-6m = ees or clumps; 0. olisge Projective Midstorey % O O O O O O O O O O O O O O O O O O O	2-20%); s = spi low; 8-12m = n 2-20% = open 2-20% = open	nd-high; 12-20m = tall; 20-35 woodfand; 20-50% = woodfa Ground cover tally sheet, - every 1m record if plant Native grass tally -	5m = very tall; >3 nd; 50-80% = op 50 points along intersects (hits)	5m = extremely tail en forest; 80-100% = ck 50m transect point	esed forest	60%
nimated cove raker & Hopk råker & Hopk of Crown or Om Transect oint m Om Sm Om Sm Om Sm Om Sm Om Sm Om Sm Om	ins height classes: 1-3m rver: <0,2% = isolated tre 10 Points - Fo Canopy % (photos) 7,0 0 0 2,0 4,0 1,0 3,0 2,0 5,5 5	v = very sparse (= dwarf; 3-6m = ses or clumps; 0. oliage Projective Midstorey % O O O O O O O O O O O O O O O O O O	2-20%); s = spi low; 8-12m = n 2-20% = open cover Exotic % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	nd-high; 12-20m = tall; 20-35 woodfand; 20-50% = woodfa Ground cover tally sheet, - every 1m record if plant Native grass tally -	5m = very tall; >3 nd; 50-80% = op 50 points along intersects (hits)	5m = extremely tail en forest; 80-100% = ck 50m transect point	sed forest	60%
Inimated cove Valker & Hopk V&H Crown or Aoint im Om Sim Sim Sim Sim Sim Sim Sim Om Sim Sim Om Sim	ins height classes: 1-3m rver: <0,2% = isolated tre 10 Points - Fo Canopy % (photos) 7,6 0 2,6 4,0 1,0 3,0 2,0 4,0 1,0 3,0 2,0 5,0 5,0 0 1,0 1,0 1,0 1,0 1,0 1,0 1,0	v = very sparse (= dwarf; 3-6m = ses or clumps; 0. oliage Projective Midstorey % 0 0 0 0 0 0 0 0 0 0 0 0 0	2-20%); s = spi low; 8-12m = n 2-20% = open 2-20% = open	nd-high; 12-20m = tait; 20-35 woodland; 20-50% + woodla Ground cover taily sheet; - every 1m record if plant Native grass taily -	5m = very tall; >3 nd; 50-80% = op 50 points along intersects (hits)	5m = extremely tail en forest; 80-100% = ck 50m transect point	esed foresi	60% Total (hits/50) 8% Total (hits/50)
Inimated cove Waker & Hopk W&H Crown or Som Transect Point Som 15m 20m 20m 20m 20m 20m 20m 30m 35m 40m 40m 45m 40m 45m 40m 45m 40m 45m 40m 45m 40m 40m 40m 40m 40m 40m 40m 40m 40m 40	ins height classes: 1-3m rver: <0,2% = isolated tre 10 Points - Fo Canopy % (photos) 7,6 0 2,6 4,0 1,0 3,0 2,0 4,0 1,0 3,0 2,0 5,0 5,0 0 1,0 1,0 1,0 1,0 1,0 1,0 1,0	v = very sparse (= dwarf; 3-6m = ees or clumps; 0. oiage Projective Midstorey % 0 0 0 0 0 0 0 0 0 0 0 0 0	2-20%); s = spi low; 6-12m = n 2-20% = open 2-20% = open	nd-high; 12-20m = tait; 20-35 woodland; 20-50% + woodla Ground cover taily sheet; - every 1m record if plant Native grass taily -	5m = very tall; >3 nd; 50-80% = op 50 points along intersects (hits)	5m = extremely tail en forest; 80-100% = ck 50m transect point	sed foresi	60%, Total (hits:50) 8%,
Inimated cove Waker & Hopk Waker & Hopk Waker & Hopk Waker & Hopk Som Transect Point ism 10m 15m 20m 20m 20m 20m 20m 20m 20m 20m 20m 20	ins height classes: 1-3m rver: <0,2% = isolated tre 10 Points - Fo Canopy % (photos) 2.0 4.0 1.0 3.0 2.0 4.0 1.0 3.0 2.0 4.0 1.0 3.0 5.0 0) = 1.5 0m plot dy debris >10cm wide &	v = very sparse (= dwarf; 3-6m = ees or clumps; 0. oliage Projective Midstorey % 0 0 0 0 0 0 0 0 0 0 0 0 0	2.20%; $s = spilow; 6.12m = n2.20% = open2.20% = open2.20% = open2.20% = open0.00000000000000000000000000000000000$	nd-high; 12-20m = tait; 20-35 woodland; 20-50% + woodla Ground cover taily sheet, - every 1m record if plant Native grass taily -	5m = very tall; >3 nd; 50-80% = op 50 points along intersects (hits)	5m = extremely tail en forest; 80-100% = ck 50m transect point	esed foresi	60%, Total (hits:/50) 8%, Total (hts:/50) 0%,
Initialed cover Valker & Hopk V&H Crown or An Transect An Transect	ins height classes: 1-3m rver: <0,2% = isolated tra 10 Points - Fo Canopy % (photos) 7,6 0 2,6 4,0 1,0 3,0 2,0 4,0 1,0 3,0 2,0 5,0 5,0 0) = 1,5 00 =	v = very sparse (= dwarf; 3-6m = ees or clumps; 0. oliage Projective Midstorey % 0 0 0 0 0 0 0 0 0 0 0 0 0	2-20%); s = spi low; 6-12m = n 2-20% = open 2-20% = open	nd-high; 12-20m = tait; 20-35 woodland; 20-50% + woodla Ground cover taily sheet; - every 1m record if plant Native grass taily -	5m = very tall; >3 nd; 50-80% = op 50 points along intersects (hits)	5m = extremely tail en forest; 80-100% = ck 50m transect point	esed forest	60% Total (hits/50) 8% Total (hits/50)

qi).



site ID: Salet 69			Survey type:0	Quadrat 20m x	20m		
Species	Cover	Abund.	Species			Cover	Abund.
Cientone design pomotion	- 1	6-	41				
Thenda triadra	- 2	rot	42				
Dichardra repues	- 21	204	43				
screcio madadascalos:	2	204	44				
Indigatora automatis	- 2	4	45				
Withobea divica	- 2	rot	46				
for chlais agyan	E	201	47				
Biden pilora	2	7603	48				
Bursaia goinarg	~ 2	207	40 .				
14 C	4	20+	50				
· Eragrostis arvula		2.4					
optimens acome		201	17.				
Asparagus asparagides		205	13				
the second se	- 2						
Erections mollines		10	54 Gir				
	a desta de la d	act	6 Math	l	a la t		
small Lamiacore	- 2	205	- Wardy	in som	-0.0.0.2		
Olca avapaen	2	1.00	14				
Platago laccolata	1		58				
· sonchis deraceus	1	1					
"Circium vulage	1	1	ed				
+ Oxalis)	- 1	1	01				
"appens availies	- 2	201	62				-
" ally - Arthropodium		1	63				
« alifeire tabacina	+ 2	2.04	B4				-
« Geranium	-	1	62				
"chickattes sides	- 12	201	00				
" Waldelourgia communi		1	62				
" Angall's an sis	2	Trat	6D				
"Diadle - Blue arean	+ >	4	69				
»sotaria U	2	207	70				
a fatter hation	+ \	1	71				
12			72				
99. · · ·		_	73				
34		_	74				
35		_	75				
50			76				
317			77				
38			78				
30			20				
40	-		80		_		
Sp. Richness Native Exotic	Ground lay	er % 1x1 plots	Q1	Q2	Q3	Q4	Q5
Tree	Native per	annial grass					
Shrub	Native other	ar grass			_		
Gress (annual)	Native forb	& other					
Grass (perennial)	Native shru	ut (<1m)					
Other (annual)	Exotic gras	15			_		
Other (perennial)	Exotic forb	& other					-
	Leaf & stic	k litter					
	Rocks						
Cover abundance scale	Bare groun	d					
Modified Braun-blanquet 6 scale	Cryptogam	19					
	Total	v.	100		100 10	0 10	20 1
1 <5% - rare	Plot Distur	bance			Fire damage:	AGA: 1	
2 <5% - common	Clearing (in	nc. logging):			Storm damage:		
3 5 - 25%		(inc. pasture)			Trampling:		
4 25 - 50%	Soil erosio	11			Flood damage:		
5 50 - 75%	Firewood	Westwood and the second			Feral herbivores	6	
5 75 - 100%	Stock graz	and the second second			Other:		
	and an an an an						

HN	sza	Mod/Good
	()	

JACOB

BioBanking Field Sheet Extend Shale Hills - Mod (Good

nte	ed	V	
1.	0	1	1

Survey Site	Form - BioBank	ing		Site ID: S	7	Vegetation zone:	GORD- RFE		f i
Date	2/9/20			Surveyor(s):	Lokas c	leus			
Waypoint ID	57	7		Photo numbers	1237				
Coordinates	E 2856			Photo direction	N	E	s	w	
COORDINALES		509 RE		I HOLD GIRGEDON	N	5	5	1.55%	
Mapped Veget		the second s			Condition:		Low	Mod-good	
slope: Gentle:	ATTERNAL MUSICIPATION	-	rees or cardin			5m			
	crest, ridge, upper slop								
	alt, granite, conglomera			lone, shale allowing	pr. limestone, metamor	phics, gravel, ?			
Soli type: san	d, loam clay organic, g	gravel, skeletal,	?	Soil disturbance	e: intact, topsoil remove	ed, fili			
Remnant / Old	growth (uncleared):	Yes/NOTU	alecided?						
/egetative Stru	ucture (formation) = 7	pan to	A	Ecologically Dom	inant Layer (EDL) - mo	ost biomass = Com	57		
Strata	Height interval	Median	Est. cover	Dominant Specie	s & Dominance		~		
E	20								
			1						
				Eucal	yotus to	reficentis			
T1	20 25			Everly	otos mol	bace-7			
	co con			Event	iotis a	selving		······	
				1	1				
T2	÷								
тз									
		I							
	1 20 AA								
S1	41			hracic	a paran	attacis			
15/0	Tom			Solan		ole	a europoe	a	
				Burya					
S2	1								
	Im			Cla	nading				
			<u> </u>	Brown	10	sida			
G		1		Seecia	applan	Variade	Rulation	eri anafh	
10 A	÷			Cirsiu	m unto	with 1	Ulindana	Andre	
	Tree height (clino) leve	al ground or too	of slope = dista		% + bottom%)	Didads	and the second s		
	Tree height (clino) from				silom%)	- Conton and	chris	a la contrata de la c	
Definitions		2114-201			ere inner				
Dominance	d = dominant; c = co-d	forninani; s = su	bdominant; a =	associated					
	T = isolated (0.2-2%); v				mid dense (50-80%); d	= dense (80-100%)			
	9		and the second						
Valker & Hopkin	ns height classes: 1-3m	- dwarf; 3-6m -	low; 6-12m = n	nid-high; 12-20m = t	all; 20-35m = very tall; >	35m = extremely Ial			
						open forest; 80-100% = clo	sed forest		
Om Transect	10 Points - Fr	liage Projective	e Cover	Ground cover tall	y sheet, 50 points alon	g 50m transect			
oint	Canopy % (photos)	Midstorey %	Exotic %		d if plant intersects (hit				
m	30	0	6	Native grass tally	10.000	-1 France		Total (hits/50)	
Om	10		0	- nauve grass tally	- <i>\</i> //			row (marar)	
5m	5	D	0	1	80			1.1	
	10	40	0	1				67	
0m 5m	S		0	1					
		0	0	Mallar all 1		199		T-1-1 (1-2 (0.0)	
Om	10	10	10	Native other (hert	b, fern, sedge, etc) tally	-		Total (hits/50)	
Sm	20	0	50	1				5 2	n
Om	S	0	0	1				07.	0
5m	5	0	0	4				1000 P.05	1
Dm	107,	51.	6						
otal (sum / 10))= ([5.5	bib	Native shrub taily	5.			Total (NIs/50)	
arger 50 x 20n	n plot			1				0.022548	
ength of wood	ly debris >10cm wide &	>0.5m long	4m	1				01	
-			49111						
roportion of ca	anopy sp. regeneration		100%.	Exotic tally -	+ ++++ + 1	# ## ##	-14/11	Total (hits/50)	
			100.	0.85428	1	In Ind that suit	+11 [[]	86%	
umber of trees	s with holiows >5cm		1	1			1. 2. 2. 2.	001	



ite ID:	5	7				Survey type:	Quadrat 20	m x 20	m		
pecies		3		Cover	Abund.	Species				Cover	Abund.
	40	hs to	eticanis	- 5	9	41					
P. 1	1 de	ucca		- 4	5	42					
Arer	CIT-FR	Courses .	attinsis	- 4	204	43					
Roch		Spine	10		204	44		_			
		1 hep		+ 2	204	45					
		lad		2	2000	40					
and the second se			at free me	2	201-	42					
chiel	La	wied	1. Jack			ex.		_			
Mica	0104	ral si	tipoides	13	zert						
sida		houst	an		ant.	42					-
Fire				2	20+	D9.		-			-
Black			14	1	2	51					-
Clem			month	- 2	20+	61					-
· Oplis	5 yrus		manuller	+ 3	705	63		_			
Eino		- has	intre :	1 2	20+	54					
the second s		this	millous	7 1	4	65					
Bide	20	pilosa		2	205	50					-
		clade		+ 1	2	57					
Olea	-	wrepo	ea	3	201	68					-
· lyci	un	ferroc	issiam	2	204	69					
s sda	neu	· prince	regles .	11	1	80		_			-
Laste	ma	1 1		3	20+	e1					
Trife	die	m vee	iens	2	zet-	82		-			
Dich	cla	ache		+ \		6.3					
con				+ \	1	64					
shed	in	10 at	hymorph	n 12	ret	86					
o shind	kis	in Re	dger	1	1	88					
		Jepika	, Aple	2	5	67		_			
· Conu	du	ulus .	intescent	+ 1	1	68		_			
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1	1					71					
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à						75					
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a						78					
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D						00					
Sp. Richness	1	Native	Exotic	Ground lay	ver % 1x1 plots	Q1	Q2		Q3	Q4	Q5
Tree				-	ennial grass						
Shrub		11		Native ofh							
Grass (annus	ef5	h		Native fort	and the local data in the local data						
Grass (annua Grass (peren	ALC: NO	MO		Native shr	Contract Section of Contract Section 2						
other (annua		V		Exotic gra							
Other (pereni	8		b	Exotic fort							_
And Deren	analy .			Leaf & sto							
				Rocks							
	0	or ob odenes	scalo	Bare grou	nd	1					
0.2		ver abundance				1					
	MODIFIE	d Braun-blang	an o scale	Cryptogan Total		10	00	100	10	0	100
1020		1222-1110			hanna	1 1		100	Fire damage:	1	-
1		<5% - rare		Plot Distu							
2		<5% - comm	no		nc. logging):			_	Storm damage:		
3		5-25%			(inc. pasture):				Trampling:		
10.00		25 - 50%		Soil erosic					Flood damage:	-	
4		E.O		Firewood	collection:				Feral herbivores:		
4		50 - 75%		Stock grad	and the second data was a second data w				Other:		

HNSZA Mod/Good

JACOBS Shale Hills - Mad/Good

laté	Form - BioBanki	Concession of the local division of the loca		Site ID: 40		Vegetation zone:	CPW-	CARAN	ed under
	3/9/20			Surveyor(s):	(a - d	1			110 50
Vaypoint ID		40		Photo numbers	1284		_	>	1288
Coordinates	E N			Photo direction	N	E	S		w
apped Vegel	ation type: LPV				Condition:		Law		Mod-good
lope: Gefitie.	Mod, Steep	Aspect (degr	ees or cardin	al): SW	Altitude:	78m			W
	crest, ridge, upper slope	Contraction of the second second		Contraction of the second second second					
eology: base	alt, granite, conglomerat	e, sandstone, s	Sitstone/mudst	one shale and viun	n, ilmestone, metamor	phics, gravel, ?			
oil type: san	d, Idam, clay, organic, g	ravel, skeletal,	2	Soil disturbance	: intact, topsoil remove	id, fill			
temnant / Old	growth (uncleared):	Yes / No Un	decided?	compety	bot	decord 1	C ASOZR	f un	dustary
egelative Stru	ucture (formation) = C	per to	-14-	Ecologically Dom	nant Layer (EDL) - mo		man		(
Strata	Height interval	Mediaņ	Est. cover	Dominant Specie	s & Dominance		9		
E	2								
						2000	d the last		
	838 832732			Ereal	yptus	nolluccona	(1)		
T1	20 25m				ptus -	reneticomi	5 (sd)		
				Eucold	ptus a	ogaioles	0	_	
200					1999 - Contra 19	2		_	
T2	<i>.</i> *			2 1	1.0			1	
				prach		A 11	~5 (0)		
	đ			Clea	anopoe	a (o)			
Т3	Sm					1			
			-						
								_	
S1	×								
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				Burs	ire spin	6>4 (c)			
S2	0.5 m								
				01	n in	<u>.</u>			
~					andra .	epers	15		1.2
G	~		· · ·	chloris		1	thereas a	000	ALLES
	T		P.L. dra	- ALLY	la dait	here	EMPMANO	Nerve-	e1
					E a Buildenade I				
	전 도둑이 안 안 주말 것 것 것 것 같아?	10년 17월 6일 2월			% + boltom%)				
efinitions	Tree height (dino) from	10년 17월 6일 2월			312300 (common da				
afinitions	Tree height (dino) from	bottom of slop	e = distance fri	am tree x (top% - bo	312300 (common da				
ominance	Tree height (clino) from d = dominant; c = co-dr	bottom of slop	s = distance fri bdominant: a =	om tree x (top% - bo associated	itom%)	- dense (80-100%)			
ominance	Tree height (dino) from	bottom of slop	s = distance fri bdominant: a =	om tree x (top% - bo associated	itom%)	= dense (80-100%)			
ominance stimated cover	Tree height (dino) from d = dominant; c = co-di r 1 = isolated (0.2-2%); v	ominant; s = su e very sparse (e = distance fr bdominant: a = 2-20%); s = spi	om tree x (top% - bo associated arse (20-50%); m = /	ttom%) mid dense (50-80%), d	25 25			
ominance stimated cover Valker & Hopki	Tree height (clino) from d = dominant; c = co-dr	e bottom of slop ominant; s = su = very sparse (= dwarf; 3-6m =	 a sistance fri bidominant; a = 2×20%); s = spi low; 6-12m = n 	am tree x (top% - bo associated arse (20-50%); m = / nid-high; 12-20m = 1	ttom%) mid dense (50-80%); d aft; 20-35m = very talt; :	35m = extremely tall	cosed forest		
ominance stimated cover Valker & Hopki	Tree height (dino) from d = dominant; c = co-di r 1 = isolated (0.2-256); v na height classes: 1-3m	e bottom of slop ominant; s = su = very sparse (= dwarf; 3-6m =	 a sistance fri bidominant; a = 2×20%); s = spi low; 6-12m = n 	am tree x (top% - bo associated arse (20-50%); m = / nid-high; 12-20m = 1	ttom%) mid dense (50-80%); d aft; 20-35m = very talt; :	35m = extremely tall	closed forest		
ominance stimated cover Valker & Hopki	Tree height (dino) from d = dominant; c = co-di r 1 = isolated (0.2-256); v na height classes: 1-3m = ver; <0.2% = lacitated tree	e bottom of slop ominant; s = su = very sparse (= dwarf; 3-6m =	s = distance fri bidominant; a = 2-20%); s = spi low; 6-12m = n 2-20% = open 1	am tree x (top% - bo associated arsx (20-50%); m = ; nid-high; 12-20m = 1 woodland; 20-50% =	ttom%) mid dense (50-80%); d aft; 20-35m = very talt; :	35m = extremely tall pan forest; 80-100% = c	cased forest		
ominance stimaled cover Vaker & Hopkin /&H Crown co-	Tree height (dino) from d = dominant; c = co-di r 1 = isolated (0.2-256); v na height classes: 1-3m = ver; <0.2% = lacitated tree	bottom of slope ominant; s = su = very sparse (= dwarf, 3-6m = es or clumps; 0	s = distance fri bidominant; a = 2-20%); s = spi low; 6-12m = n 2-20% = open 1	am tree x (top% - bo associated arse (20-50%); m = / nid-high; 12-20m = 1 woodland; 20-50% = Ground cover tail	ttom%) mid dense (50-80%); d af; 20-35m = very tal; : : woodtand; 50-80% = c	35m = extremely tall pen forest; 80-100% = / g 50m transect	closed forest		
ominance stimated cover /aker & Hopki /&H Crown co Om Transect	Tree height (dino) from d = dominant; c = co-di r I = isolated (0.2-2%); v na height classes: 1-3m = ver; <0.2% = isolated be- 10 Points - Fo	bottom of slop ominant; s = su = very sparse (= dwarf; 3-6m = es or clumps; 0 liage Projective	s = distance fri bidominant: a = 2-20%); s = spi low; 6-12m = n 2-20% = open 1 cover	am tree x (top% - bo associated arsz (20-50%); m = / mid-high; 12-20m = 1 woodland; 20-50% = Ground cover tail - every 1m recom	ttom%) mid dense (50-80%); d att; 20-35m = very talt; s woodtand; 50-80% = c y sheet, 50 points alon d if plant intersects (hit	35m = extremely tall pen forest; 80-100% = / g 50m transect	closed forest		Total (hits/50)
ominance stimated cover /aker & Hopki /&H Crown co 0m Transect pint	Tree height (dino) from d = dominant; c = co-di r 1 = isolated (0.2-2%); v na height classes: 1-3m = ver; <0.2% = isotated be- 10 Points - Fo Canopy % (photos)	bottom of stopp ominant; s = su = very sparse (= dwarf; 3-6m = es or clumps; 0 liage Projective Midstorey %	s = distance fri bidominant; a = 2-20%); s = spi low; 6-12m = n 2-20% = open 3 2-20% = open 3 4 Cover Exotic %	am tree x (top% - bo associated arse (20-50%); m = / nid-high; 12-20m = 1 woodland; 20-50% = Ground cover tail	ttom%) mid dense (50-80%); d att; 20-35m = very talt; s woodtand; 50-80% = c y sheet, 50 points alon d if plant intersects (hit	35m = extremely tall pen forest; 80-100% = / g 50m transect	closed forest		Total (hits/50)
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ominance stimated cover /alker & Hopkin /&H Grown co- /&H Grown co- Doint m Dm	Tree height (dino) from d = dominant; c = co-di r I = isolated (0.2-2%); v na height classes: 1-3m ver; <0.2% = isolated tree 10 Points - Fo Canopy % (photos) 60 30	bottom of stopp ominant; s = su = very sparse (= dwarf; 3-6m = es or clumps; 0 liage Projective Midstorey %	s = distance fri bidominant, s = 2-20%); s = spi low; 6-12m = n 2-20% = open 1 2-20% = open 1 2-20% = copen 1 2-20% = copen 2 2-20% = copen 1 2-20% = copen 2 2-20% = copen 2	am tree x (top% - bo associated arsz (20-50%); m = / mid-high; 12-20m = 1 woodland; 20-50% = Ground cover tail - every 1m recom	ttom%) mid dense (50-80%); d att; 20-35m = very talt; s woodtand; 50-80% = c y sheet, 50 points alon d if plant intersects (hit	35m = extremely tall pen forest; 80-100% = / g 50m transect	closed forest		Total (hits/50) 36%
ominance stimated cover /alker & Hopkin /&H Crown co 0m Transect bint m 0m 5m	Tree height (dino) from d = dominant; c = co-di r I = isolated (0.2-2%); v na height classes: 1-3m ver; <0.2% = isolated tree 10 Points - Fo Canopy % (photos) 60 30 40 30 40 30	bottom of slope ominant; s = su = very sparse (= dwarf; 3-6m = es or clumps; 0 liage Projective Midstorey %	a = distance fri bidominant, a = 2-20%); s = spi low; 6-12m = n 2-20% = open 1 2-20% = open 1 5 Cover Exotic %	am tree x (top% - bo associated arse (20-50%); m = / nid-high; 12-20m = 1 woodland; 20-80% = Ground cover tail - every 1m recom Native grass taily	ttom%) mid dense (50-80%); d alt; 20-35m = very talt; s woodtand; 50-80% = c y sheet, 50 points alon d if plant intersects (hil HHH HHH	35m = extremely tall pen forest; 80-10014 = / g 50m transect s) point	closed forest		
ominance stimated cover /aker & Hopkin /&H Crown co- /&H Crown co- on Transect oint oint oint om om om om	Tree height (dino) from d = dominant; c = co-di r I = isolated (0.2-2%); v na height classes: 1-3m = ver; <0.2% = isolated trev 10 Points - Fo Canopy % (photos) 60 40 40 30 50	bottom of stops ominant; s = su = very sparse (= dwarf; 3-6m = es or clumps; 0 liage Projective Midstorey %	s = distance fri bidominant, a = 2-20%); s = spi low; 6-12m = n 2-20% = open 1 2-20% = open 1 2-00% = open 1 2-	am tree x (top% - bo associated arse (20-50%); m = / nid-high; 12-20m = 1 woodland; 20-80% = Ground cover tail - every 1m recom Native grass taily	ttom%) mid dense (50-80%); d alt; 20-35m = very talt; s woodtand; 50-80% = c y sheet, 50 points alon d if plant intersects (hil HHH HHH	35m = extremely tall pen forest; 80-10014 = / g 50m transect s) point	closed forest		36%.
ominance stimated cover /aker & Hopki /&H Grown co 0m Transect oint m 0m 5m 0m 5m 0m 5m	Tree height (dino) from d = dominant; c = co-di r I = isolated (0.2-2%); v na height classes: 1-3m ver; <0.2% = isolated tree 10 Points - Fo Canopy % (photos) 60 30 40 30 40 30	bottom of stops ominant; s = su = very sparse (= dwarf; 3-6m = es or clumps; 0 liage Projective Midstorey % 0 0 0	a = distance fri bidominant, a = 2-20%); s = spi low; 6-12m = n 2-20% = open 1 2-20% = open 1 5 Cover Exotic %	am tree x (top% - bo associated arse (20-50%); m = / nid-high; 12-20m = 1 woodland; 20-80% = Ground cover tail - every 1m recom Native grass taily	ttom%) mid dense (50-80%); d att; 20-35m = very talt; s woodtand; 50-80% = c y sheet, 50 points alon d if plant intersects (hit	35m = extremely tall pen forest; 80-10014 = / g 50m transect s) point	closed forest		
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varinance stimated cover vaker & Hopki v&H Crown co- 0m Transect bint m 0m 5m 0m 5m 0m 5m 0m 5m 0m 5m 0m 5m 0m	Tree height (dino) from d = dominant; c = co.de r 1 = isolated (0.2-2%); v na height classes: 1-3m = ver: <0.2% = isolated be- 10 Points - Fo Canopy % (photos) 60 30 40 30 40 30 40 5 10 10 10 10 10 10 10 10 10 10	bottom of stop ominant; s = su = very sparse (= dwarf; 3-6m = es or clumps; 0 Midstorey % 0 0 0 0 0 0	s = distance fri bdominant, a = 2-20%); s = spi low; 6-12m = n 2-20% = open 1 2-20% =	am tree x (top% - bo associated arse (20-50%); m = / nid-high; 12-20m = 1 woodland; 20-80% = Ground cover tail - every 1m recom Native grass taily	ttom%) mid dense (50-80%); d alt; 20-35m = very talt; s woodtand; 50-80% = c y sheet, 50 points alon d if plant intersects (hit HHH HHH o, ferm, sedge, etc) talt	35m = extremely tall pen forest; 80-10014 = / g 50m transect s) point	closed forest		36%
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Brassico	L.	0	(1	44				
Evedy	otis	malucana	- 5	18	45				
		chicomis	+ 7-	1	48				
olea	europe	aea	1	1	47				
Solan	spiky	1 apple	7	6	46				
andar	300	yan	-3	zot	49				
	vetric		- 3	nor-	50				
Entoopou			-2	20+	51				
· cypens	- mai	nus .	12	201	52				
Ehrhai			4	207	63				
Dichard	nd vie	pens	15	201	54				
		indicata	-	tert	10				
· alice w	under	-	2	rot	67				
Oxal's a	01	Yellow.	- 2	201	0.0				
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· abycine			+ 2	7.05	60				
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		ficinale	1	1	85				
Sorchus	olera	centy	1	1	86				
sida n	noutsil	ola	1	1	67				
· Cotolla			. 2	70+	68				
· hannel	15 G	17. A.	- 1	1	60 Q				
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2	<5% - comm	DN	Clearing (in				Trampling:		
3	5 - 25%		Seil erosion	inc. pasture):			Flood damage:		
4	25 - 50% 50 - 75%		Firewood co				Feral herbivores:		
6	75 - 100%		Stock grazin		1		Other:		
· · · ·	1.8 180.00		and a grant				- C110 25 C1		

W.	529 M	d/a	ood		BioBanking Field	Sheet	Enter Mod/1	ed /	
	JAC	OB	S		Shale.	Kills -	Mod/1	Good	
Survey Sit	e Form - BioBank	ing		-	Bradley Z	Vegetation zone:	CPW		
Date	30/9/20			Surveyor(s):	1				
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	the second se	the second se	and the second se		um, limestone, metamor	Automation Co.			-
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and the second se	ructure (formation) = D	- Contraction of the second	and the second se	Ecologically Dor	minant Layer (EDL) - mo	st biomass = 🕻 🕻	mopy		1
Sirala	Height interval	Median	Est cover		ies & Dominance	· · · ·	.,		1
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тз									
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Definitions Dominance Stimated cove	Tree height (clino) leve Tree height (clino) from d = dominant; c = co-d er 1 = isotated (0.2-2%); v	n bottom of slop lominant; s = su	e = distance fr ubdominant; a =	om trea x (top% - b sasocialed	경망 옷 옷 옷 바람 바람이 다.	= dense (80-100%)			
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oint	Canopy % (photos)	Midstorey %	Exotic %		ord if plant intersects (hits	i) point			-
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arger 50 x 20	im plot							0%	
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Coordinates	N 150 / 6		7	Photo direction	N	E	S	w	
Asped Veget		CAN -1	dille	1	Condition:	1	Low	Modegood	-
loper Gentle.		Aspect (degr	ees or cardin	al): _ S	Altitude: 3			1. Jacob	
opography:	crest, ridge, upper slope	e, mid slope, do	wn slope, gul	y. flat/depression, v	valercourse, escarpri	ent, lerrace			
eology: base	ait, granite, congiomeral	le, sandstone, i	ilitstone/muds	tone shale alluvium	n, limestone, metamo	rphics, gravel, ?			
oll type: san	d, loath, clay, organic, g	pravel, skeleta/,	7	Soil disturbance	: intact, topsoil remov	ed, fili			
emnant / Old	growth (uncleared):	Yes / No Un	decided?						
	ucture (formation) = C		fort		inant Layer (EDL) - m	ost biomass = Cor	ogy		-
Strata	Height Interval	Median	Est cover	Dominant Species	s & Dominance		/		-
Е				<u> </u>					-
-									
				Eveal	yotus +	exticom's	· (2)		
Τ1	20-25			Eventi	jotus	Glorosa (o'			
	20 200					9			_
-		10							_
T2	8								-
T3						-			-
				Bursan	ia equ	039			
S1				Davies	sia				_
				Lyciu	in ferra	isaming			-
S2	S.								
32	· ·								-
				and the second se		011	and the state of	7.11	_
				Ella	TT.	(MONT FU	aug from the	Lilim	
G				Ercaro	istiz cu	ala:	Svonus O	ichin dra	
G				and the second se	istiz a	ula 1	Svonus O	ichin dra	_
G	- Tree height (clino) leve			Plando Plando nos from tree x (top?	15/12 ~~ 20 6 3(+ battom%)	ula 1	Svonus O	ichin dra	_
	- Tree heighl (clino) leve Tree heighl (clino) from			Plando Plando nos from tree x (top?	15/12 ~~ 20 6 3(+ battom%)	ula 1	Svonus O	ichin dra	-
Definitions	Tree height (clino) from	n boillom af slop	a in distance fr	nce from tree x (top% - bo)	15/12 ~~ 20 6 3(+ battom%)	ula 1	Svonus O	ichin dra	-
Definitions		n bollom of slop forminant; s = se	a = distance fr bdominant, a -	Plana tree x (top% - bo	(sh'è ca Sé A X + bottom%) (tom%)	rewced.	Svonus O	ichin dra	
Definitions	Tree height (clino) from d = dominant; c = co-d	n bollom of slop forminant; s = se	a = distance fr bdominant, a -	Plana tree x (top% - bo	(sh'è cə Se A X + batlom%) (tan%)	rewced.	Svonus O	ichin dra	
lefinitions terminance stimated cover Valker & Hopki	Tree height (clino) from d = dominant; c = co-d r 1 = isolated (0.2-2%); v ns height classes: 1-3m	n bollom of slop forninant; s = si, v = very sparse (= dwarf; 3-6m =	a = distance fr bdominant; a = 2-20%); s = sp low; 6-12m = r	nce from tree x (top% - bo) am tree x (top% - bo) - associated erse (20-50%); m = (mid-high; 12-20m = to	w + bottom%) tiom%) mid dense (50-80%); c all; 20-35m = verý tall;	= dense (80-100%)	Center Cent	ichin dra	
lefinitions terminance stimated cover Valker & Hopki	Tree height (clino) from d = dominant; c = co-d r 1 = isolated (0.2-2%); v ns height classes: 1-3m	n bollom of slop forninant; s = si, v = very sparse (= dwarf; 3-6m =	a = distance fr bdominant; a = 2-20%); s = sp low; 6-12m = r	nce from tree x (top% - bo) am tree x (top% - bo) - associated erse (20-50%); m = (mid-high; 12-20m = to	w + bottom%) tiom%) mid dense (50-80%); c all; 20-35m = verý tall;	= dense (80-100%)	Center Cent	ichin dra	
efinitions ominance stimated cover /alker & Hopki /&H Crown co	Tree height (clino) from d = dominant; c = co-d r 1 = isolated (0.2-2%); v ns height classes: 1-3m ver. <0.2% = isolated tre	n bottem of slop forminant; s = ss = very sparse (= dwarf; 3-6m = les or clumps; 0	a = distance fr bdominant; a = 2-20%); s = sp low; 6-12m = c 2-20% = open	erse (20-50%); m = t mid-high; 12-20% = t woodland; 20-50% =	w + bottom%) tion%) mid dense (50-80%); d all; 20-35m = very tall; = woodland; 50-80% =	= dense (60-100%) >35m = extremely tall open forest; 80-100% = c	Center Cent	ichin dra	
lefinitions forminance stimaled cover Valker & Hopkis V&H Crown co Om Transect	Tree height (clino) from d = dominant; c = co-d r 1 = isolated (0.2-2%); v ns height classes: 1-3m ver: <0.2% = isolated tre 10 Points - Fo	n bottem ef slop forminant; s = sk = very sperse (= dwarf; 3-6m = es or chumps; 0	a = distance fr bdominant; a = 2-20%); s = sp low; 6-12m = r 2-20% = open s Cover	Passociated erse (20-50%); m = i mid-high; 12-20m = 8) woodland; 20-50% =	w + bottom%) tipm%) mid dense (50-80%); c al; 20-35m = very tal; = woodland; 50-80% = y sheet, 50 points alo	= dense (80-100%) >35m = extremely tall open forest; 80-100% = c	Center Cent	ichin dra	
lefinitions forminance stimated cover Valker & Hopki V&H Crown co Om Transect foint	Tree heighl (clino) fron d = dominant; c = co-d r l = isolated (0.2-2%); v ns heighl classes: 1-3m ver: <0.2% = isolated tre 10 Points - Fo Canopy % (photos)	n bottem of slop forminant; s = ss = very sparse (= dwarf; 3-6m = les or clumps; 0	a = distance fr bdominant; a = 2-20%); s = sp low; 6-12m = r 2-20% = open s Cover Exotic %	Plane (100%) am tree x (100%) - bol associated erse (20-50%); m = i mid-high; 12-20m = ti woodland; 20-50% = Ground cover tally - every 1m record	w + bottom%) tiom%) mid dense (50-80%); c al; 20-35m = ver/y tal; = woodland; 50-80% = y sheet, 50 points alo d if prant intersects (h	= dense (80-100%) >35m = extremely tall open forest; 80-100% = c	Center Cent	ichin dra	
lefinitions forminance stimated cover valker & Hopki V&H Crown co V&H Crown co Om Transect foint m	Tree height (clino) from d = dominant; c = co-d r 1 = isolated (0.2-2%); v ns height classes: 1-3m ver: <0.2% = isolated tre 10 Points - Fo	n bottem of stop forminant; s = sk = very sporse (= dwarf; 3-6m = es or chumps; 0 bliege Projective Midstorey %	a = distance fr bdominant; a = 2-20%); s = sp low; 6-12m = r 2-20% = open s Cover	Passociated erse (20-50%); m = i mid-high; 12-20m = 8) woodland; 20-50% =	w + bottom%) tiom%) mid dense (50-80%); c al; 20-35m = ver/y tal; = woodland; 50-80% = y sheet, 50 points alo d if prant intersects (h	= dense (80-100%) >35m = extremely tall open forest; 80-100% = c	Center Cent	ichin dra tilla	
lefinitions formisance stimated cover valker & Hopki V&H Crown co- V&H Crown co- Om Transect foint m Dm	Tree heighl (clino) from d = dominant; c = co-d r I = isolated (0.2-2%); v ns heighl classes: 1-3m ver: <0.2% = isolated tre 10 Points - Fo Canopy % (photos) 30	n bottem of stop orminant; s = sc = very sparse (= dwarf; 3-6m = ess or clumps; 0 stage Projective Midstorey % 2.5	a = distance fr bdominant; a = 2-20%); s = sp low; 6-12m = r 2-20% = open cover Exotic %	Plane (100%) am tree x (100%) - bol associated erse (20-50%); m = i mid-high; 12-20m = ti woodland; 20-50% = Ground cover tally - every 1m record	w + bottom%) tiom%) mid dense (50-80%); c al; 20-35m = ver/y tal; = woodland; 50-80% = y sheet, 50 points alo d if prant intersects (h	= dense (80-100%) >35m = extremely tall open forest; 80-100% = c	Center Cent	ichin dra tilla	
efinitions ominance stimated cover /alker & Hopki /&H Crown co- /&H Crown co- 0m Transect oint m Dm 5m 5m	Tree height (clino) from d = dominant; c = co-d r 1= isolated (0.2-2%); v ns height classes: 1-3m ver. <0.2% = isolated tre 10 Points - Fo Canopy % (photos) 30 C	n bottom of stop orminant; s = su = very sperse (= dwarf; 3-6m = es or clumps; 0 bligge Projective Midstorey % 2.5 1.0	a = distance fr bdominant; a = 2-20%); s = sp low; 6-12m = r 2-20% = open s Cover Excite % O O O O	Plane (100%) am tree x (100%) - bol associated erse (20-50%); m = i mid-high; 12-20m = ti woodland; 20-50% = Ground cover tally - every 1m record	w + bottom%) tiom%) mid dense (50-80%); c al; 20-35m = ver/y tal; = woodland; 50-80% = y sheet, 50 points alo d if prant intersects (h	= dense (80-100%) >35m = extremely tall open forest; 80-100% = c	Center Cent	ichin dra tilla	
lefinitions forminance stimated cover valker & Hopki V&H Crown co V&H Crown co V&H Crown co Om Transect oint oint oint om 5m 5m 5m	Tree heighl (clino) from d = dominant; c = co-d r I = isolated (0.2-2%); v ns heighl classes: 1-3m ver: <0.2% = isolated tre 10 Points - Fo Canopy % (photos) 30	n bottem of step orminant; s = su = very sparse (= dwarf; 3-6m = es or clumps; 0 klage Projective Midstorey % 2.5 0 0 0 0	e = distance fr bdominant; e = 2-20%); s = sp low; 6-12m = r 2-20% = open 2-20% = o	A construction of the second s	w + bottom%) ttom%) mid dense (50-80%); c all; 20-35m = very tall; = woodland; 50-80% = y sheet, 50 points alo d if plant intersects (h -)	= dense (80-100%) >35m = extremely tall open forest; 80-100% = c ing 50m transect ts) point	Center Cent	Total (hits/50)	
lefinitions forminance stimated cover valker & Hopki V&H Crown co V&H Crown co Om Transect oint oint oint om 5m 5m 5m 0m	Tree height (clino) from d = dominant; c = co-d r l = isolated (0.2-2%); v ns height classes: 1-3m ver: <0.2% = isolated tre 10 Points - Fo Canopy % (photos) 30 C Canopy % (photos) 30 C Canopy % (photos) 30 C C	n bottem of step terminant; s = su = dwarf; 3-6m = es or clumps; 0 klidge Projective Midstorey % 2.5 \0 0 0 0 0 0	a = distance fr bdominant; a = 2-20%); s = sp low; 6-12m = r 2-20% = open a Cover Exatic % 0 0 0 0 0 0 0	A construction of the second s	w + bottom%) tiom%) mid dense (50-80%); c al; 20-35m = very tal; = woodland; 50-80% = y sheet, 50 points alo d if prant intersects (h	= dense (80-100%) >35m = extremely tall open forest; 80-100% = c ing 50m transect ts) point	Center Cent	ichin dra tilla	
Iefinitions Iominance Istmated cover Valker & Hopki V&H Crown co V&H Crown co Om Transect Ioint Om Transect Ioint Om 5m 5m Om 5m 5m	Tree height (clino) from d = dominant; c = co-d r 1 = isolated (0.2-2%); v ns height classes: 1-3m ver: <0.2% = isolated tre 10 Points - Fo Canopy % (photos) 30 C C C C C C C C C C C C C	n bottem of step orminant; s = su = dwarf; 3-6m = es or clumps; 0 bilage Projective Midstorey % 2.5 \0 0 0 0 0 0 0 0 0 0 0 0	a = distance fr bdominant; a = 2-20%); s = sp low; 6-12m = r 2-20% = open a Cover Exatic % 0 0 0 0 0 0 0 0 0 0 0 0 0	A construction of the second s	w + bottom%) tion%) mid dense (50-80%); c all; 20-35m = very tall; = woodland; 50-80% = y sheet, 50 points alo d if plant intersects (h -)	= dense (80-100%) >35m = extremely tall open forest; 80-100% = c ing 50m transect ts) point	Center Cent	Total (hits/50)	
lefinitions forminance istimated cover Valker & Hopki V&H Crown co V&H Crown co Om Transect oint oint oint om 5m 0m 5m 0m 5m 0m 5m 0m	Tree height (clino) from d = dominant; c = co-d r I = isolated (0.2-2%); v ns height classes: 1-3m ver: <0.2% = isolated tre 10 Points - Fo Canopy % (photos) 30 5 0 5 10 0 10 10 10 10 10 10 10 10	n bottem ef step orminant; s = su = dwarf; 3-6m = es or clumps; 0 klage Projective Midstorey % 2.5 \0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	a = distance fr bdominant; a = 2-20%); s = sp low; 6-12m = r 2-20% = open a Cover Exatic % O O O O O O O O O O O O O	A construction of the second s	w + bottom%) tion%) mid dense (50-80%); c all; 20-35m = very tall; = woodland; 50-80% = y sheet, 50 points alo d if plant intersects (h -)	= dense (80-100%) >35m = extremely tall open forest; 80-100% = c ing 50m transect ts) point	Center Cent	Total (hits/50)	
Definitions Sominance Istimated cover Valker & Hopki V&H Crown co Om Transect Coint Im Om Transect Som Om Som Som Om Som Om Som	Tree height (clino) from d = dominant; c = co-d r l = isolated (0.2-2%); v ns height classes: 1-3m var. <0.2% = isolated tre 10 Points - Fo Canopy % (photos) 30 5 0 10 10 10 10 50 10 50 50 50 50	n bottem et step terninant; s = su = dwart; 3-6m = es or clumps; 0 Illage Projective Midstorey % 2.5 1.0 0 0 0 0 0 0 0 0 0 0 0 0 0	a = distance fr bdominant; a = 2-20%); s = sp low; 6-12m = r 2-20% = open a Cover Exatic % 0 0 0 0 0 0 0 0 0 0 0 0 0	A construction of the second s	w + bottom%) tion%) mid dense (50-80%); c all; 20-35m = very tall; = woodland; 50-80% = y sheet, 50 points alo d if plant intersects (h -)	= dense (80-100%) >35m = extremely tall open forest; 80-100% = c ing 50m transect ts) point	Center Cent	Total (hits/50)	
Definitions Dominance Estimated cover Natker & Hopki N&H Crown co S0m Transect Point S0m 10m 15m 20m 25m 25m 30m 35m 40m 40m	Tree heighl (clino) from d = dominant; c = co-d r I = isolated (0.2-2%); v ns height classes: 1-3m var. <0.2% = isolated tre 10 Points - Fo Canopy % (photos) 30 5 0 10 0 10 10 0 10 0 10 0 10 0 10 0 0 0 0 0 0 0 0 0 0 0 0 0	n bottem ef step orminant; s = su = dwarf; 3-6m = es or clumps; 0 klage Projective Midstorey % 2.5 \0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	a = distance fr bdominant; a = 2-20%); s = sp low; 6-12m = r 2-20% = open a Cover Exatic % O O O O O O O O O O O O O	A second the second sec	x + bottom%) ttom%) mid dense (50-80%); d all; 20-35m = very tall; = woodland; 50-80% = y sheet, 50 points alo d if plant intersects (h -) b, fem, sedge, etc) tal	= dense (80-100%) >35m = extremely tall open forest; 80-100% = c ing 50m transect ts) point	Center Cent	Total (hits/50)	
Definitions Cominance Estimated cover Valker & Hopki V&H Crown co Com Transact Com Transact Com Com Com Com Com Com Com Com Com Com Com	Tree height (clino) from d = dominant; c = co-d r I = isolated (0.2-2%); v ns height classes: 1-3m var. <0.2% = isolated tre 10 Points - Fo Canopy % (photos) 30 50 10 10 10 10 10 10 10 10 10 1	n bottem et step terninant; s = su = dwart; 3-6m = es or clumps; 0 Illage Projective Midstorey % 2.5 1.0 0 0 0 0 0 0 0 0 0 0 0 0 0	a = distance fr bdominant; a = 2-20%); s = sp low; 6-12m = r 2-20% = open a Cover Exatic % 0 0 0 0 0 0 0 0 0 0 0 0 0	A construction of the second s	x + bottom%) ttom%) mid dense (50-80%); d all; 20-35m = very tall; = woodland; 50-80% = y sheet, 50 points alo d if plant intersects (h -) b, fem, sedge, etc) tal	= dense (80-100%) >35m = extremely tall open forest; 80-100% = c ing 50m transect ts) point	Center Cent	Total (hits/50) 4/, Total (hits/50) 6/,	
Definitions Dominance Estimated cover Walker & Hopki Wal-H Crown co- Som Transect Point Som Transect Point Som 15m 20m 30m 55m 30m 55m 15m 55m 15m 55m 15m 70m 15m 70tal (sum / 10 arger 50 x 200	Tree height (clino) from d = dominant; c = co-d r I = isolated (0.2-2%); v ns height classes: 1-3m var. <0.2% = isolated tre 10 Points - Fo Canopy % (photos) 30 50 10 10 10 10 10 10 10 10 10 1	n bottem et step terminant; s = sx = etwart; 3-6m = es or clumps; 0 tilage Projective Midstorey % 2.5 1.0 0 0 0 0 0 0 0 0 0 0 0 0 0	a = distance fr bdominant; a = 2-20%); s = sp low; 6-12m = r 2-20% = open a Cover Exatic % 0 0 0 0 0 0 0 0 0 0 0 0 0	A second the second sec	x + bottom%) ttom%) mid dense (50-80%); d all; 20-35m = very tall; = woodland; 50-80% = y sheet, 50 points alo d if plant intersects (h -) b, fem, sedge, etc) tal	= dense (80-100%) >35m = extremely tall open forest; 80-100% = c ing 50m transect ts) point	Center Cent	Total (hits/50) 4/2 Total (hits/50) 6/2 Total (hits/50) 6/2	
Definitions Dominance Estimated cover Nalker & Hopki W&H Crown co S0m Transect Point 5m 10m 15m 20m 25m 30m 35m 35m 40m 45m 50m Fotal (sum / 10 arger 50 x 20r	Tree height (clino) from d = dominant; c = co-d r I = isolated (0.2-2%); v ns height classes: 1-3m var. <0.2% = isolated tre 10 Points - Fo Canopy % (photos) 30 50 50 10 10 10 10 10 10 10 10 10 1	n bottem et step terminant; s = sx = etwart; 3-6m = es or clumps; 0 tilage Projective Midstorey % 2.5 1.0 0 0 0 0 0 0 0 0 0 0 0 0 0	a = distance fr bdominant; a = 2-20%); s = sp low; 6-12m = r 2-20% = open a Cover Exatic % 0 0 0 0 0 0 0 0 0 0 0 0 0	A second the second sec	x + bottom%) ttom%) mid dense (50-80%); d all; 20-35m = very tall; = woodland; 50-80% = y sheet, 50 points alo d if plant intersects (h -) b, fem, sedge, etc) tal	= dense (80-100%) >35m = extremely tall open forest; 80-100% = c ing 50m transect ts) point	Center Cent	Total (hits/50) 4 /. Total (hits/50) 6 /. Total (hits/50) 0 /.	
Definitions Dominance Estimated cover Walker & Hopki V&H Crown co Som Transect Point Som 1 Som 1	Tree height (clino) from d = dominant; c = co-d r I = isolated (0.2-2%); v ns height classes: 1-3m var. <0.2% = isolated tre 10 Points - Fo Canopy % (photos) 30 50 50 10 10 10 10 10 10 10 10 10 1	n bottem of step terminant; s = su = dwarf; 3-6m = es or clumps; 0 Nidge Projective Nidstorey % 2.5 1.0 0 0 1.0 0 1.0 0 1.0 0 1.0 0 1.0 0 1.0 0 1.0 0 1.0 0 1.0 0 1.0 0 1.0 0 1.0 0 0 0 0 0 0 0 0 0 0 0 0 0	a = distance fr bdominant; a = 2-20%); s = sp low; 6-12m = r 2-20% = open a Cover Exatic % 0 0 0 0 0 0 0 0 0 0 0 0 0	A second the second sec	x + bottom%) ttom%) mid dense (50-80%); d all; 20-35m = very tall; = woodland; 50-80% = y sheet, 50 points alo d if plant intersects (h -) b, fem, sedge, etc) tal	= dense (80-100%) >35m = extremely tall open forest; 80-100% = c ing 50m transect ts) point	Center Cent	Total (hits/50) 4/2 Total (hits/50) 6/2 Total (hits/50) 6/2	



Site ID: 149							1 4 4 - C - C - C - C - C - C - C - C - C
Species	Cover	Abund.	Species			Cover	Abund.
centella asiatica	+ 2	201	41				
Euclyphis tereficencis	+4	2	42				
Bursaia spinesa	+ 4	zot	43				
chilois dayan	2	705	44				
Service Hodonascares!	> 2	set	45				
Hypeliais radiata	-2	2.52	46				
Platago lacolata	2	200	47				
Cotula	+ 2	205	48				
Jolim parene	2	2051	40				
chich used	2	204-	80				
Erageotis cur la	Z	205	\$1				1
elotus e	2	201	52		l.		
· Amagallis arrensis	2	705	- 53				
· Pandrotun cladyt	3	zet	54				
Mumber Disica	+ \	3	ta.				
· Dichardsa repens	2	201	56				
· Sanch &	1	1	67				
· Availie conclora		1	58		1		
· Cirsim velase	(1	69				
o he bould be and the gradit	5- 2	not	00			-	
Cuprus Jarants	- 2	205	61				
side vhatilia	12	204	62				
Microlacia Meader	- 2	704	63				
oxalis	+ 2	201	e4				
Themeda hicidra	- 1	1	66				
t Contraction of the contraction			60				
7			67.				
18			69				0
9			09				
0			70			1	
13			n SE	AE	AGLE	1-	
12			72				
13			79				
14			74				
ж			75				
36		1	26				
17			π				
88			78		10 C		
142			70				
10			90				
Sp. Richness Native Exolic	Ground lays	ar % 1x1 plots	Q1	Q2	Q3	Q4	Q5
Troe	Native pere						
Strub 11	Native othe						
Grass (annual)	Native forb	and the second					
Grass (perennial)	Native shru	and the second se					
Other (annual)	Exotic gras	8					
Other (peronnial)	Exotic forb						
	Leaf & stick						
	Rocks						
Cover abundance scale	Bare groun	d					
Modified Braun-blanquet 6 scale	Cryptogam						
	Tota!		100	100	10	D	100
1 <5% - rare	Piot Disturb	ance			Fire damage:	9.	
2 <5% - common	Clearing (in	Contraction and the			Storm damage:		
3 5-25%		(inc. pasture):			Trampling:		
4 25 - 50%	Soil erosion				Flood damage:		
5 50 - 75%	Firewood o				Feral herbivores:		
6 75 - 100%	Stock grazi				Other:		
	and the second second second						

HN SZA Mod/acod

BioBanking Field Sheet Shale Hills - Good

Entord.

JACOBS

Survey Site	Form - BioBanki			Site ID: PZ	-1	506	Vegetation zone:	Crw	
Dale	18/11/20	215		Surveyor(s):	LL	4			
Naypoint ID	680	(14)-		Photo numbers	23	384		->	2345
Coordinates	E N	_		Photo direction		N	E	s	w
Aapped Vegets	ation type: CP	N			Conditio	n:	-	Low	Mod-goge
lope: Gentler,			rees or cardin	al). Of A	Altitude		98m		140.00
	zest, ridge, upper slope								
and the second second second	It, granite, conglomerat		the second s	and a second sec					
	s, toam, clay, brganic, g			Soil disturbance				1	
			-	Contrastantianica	and the	gradit tottload	2, 100		
	growth (uncleared):	Yes/NO/Un	decided?	I	2.000.000				
	cture (formation) =	n to	100	Ecologically Dom			t biomass = (angoy	
Strata	Height Interval	Median	Est. cover	Dominant Specie	s & Domin	nance		. /	
E	(15)		•2						
T1	10-25m			Euco	Zl	tis	terefico	~is (d)	
T2									
								.9	
1994	8								
Т3	1.1								
		-		0					
S1	1 10m	-		BUISA	Na	spi	nasa	- desie	
60									
S2	2. * 3							-	
G				Bring	rich		There	da	4
	Tree height (cino) leve Tree height (cino) from d = dominant; c = co-de t = isolated (0.2-2%); v ns height classes: 1-3m	bottom of slop ominant; s = s. = vory sparse (e = distance fro ubdominant; a = (2-20%); s = spi	om treë x (top% - bo associated arse (20-50%); m =	mid dense	(50-80%); d =			
W&H Crown cov	ver. <0.2% = isolated tre	es or clumps; 0	2-20% = open	woodland; 20-50%	= woodiana	d; 50-80% = of	en forest; 80-100% = d	losed forest	36
	r			L					
50m Transect		liage Projective	1	Ground cover tal					
Point	Canopy % (photos)	Midstorey %		- every 1m recor		ntersects (hits	point		11.01
5m	S	0	O	Native grass tally	ttt	HIT	## 14+	111-114	Total (hits/50)
10m	10	0	0	1.00		111	1.11 -1(.1	H1 -	(U)
15m	30	0	0	1					701
20m	40	10	0						101.
25m	30	30	8						
30m	20	60	0	Native other (her	b, ferri, sø	dge, etc) tally	111 111		Total (hits/50)
35m	10	20	0	1			-11" 111		and the second sec
40m	20	60	0	1			un		181
45m	10	50	0						(01,
50m									
Total (sum / 10)	= 17.5	23	0	Native shrub tally	-				Total (hits/50)
Larger 50 x 20r	elever and a second								- 1
	y debris >10cm wide &	>0.5m long	lism						O G
Proportion of ca	anopy sp. regeneration		100%	Exotic taily - H	H = 1				Tolai (hits/50)
Number of trees	s with hollows >5cm		1						121.

3:42 PM14/08/2015



Species	Cover	Abund.	Species			Cover	Abund.		
	100 Control 100	the second s				Cover	Abuna,		
Walyptus tochicanis -	- 5	6	41				-		
B. Mollican -	-		42						
Bursania spinosa - Avanjia circita	-6	204	43						
Avanja circitra	2	rot	44						
Mindaera stippids .	- 6	20+	46						
Gissim ulgar	1	1	45						
Tiny wallot agin -	- z	201	47						
sidd J	2	203	<11						
Dichardra verens-	- 2	201	49						
remulting cycles -	2	200-	50						
covalis enounder -	- 2	201	51			i			
Bidure	1	1	62						
alyane tabacing -	- 2	207	53						
· Hydrocotyle -	- 1	1	54						
Etunavilla australi	- 2	201	15						
·Opercularia diphylla -	- 1	V	56						
Solarun gringshillen -	- 2	zot	57						
Anagellis, aversis	1	I	54						
· Arthropodin milletten-	- 1	1	59						
appens gracitis -		1	60						
Small Junit -		1	er sutted	and hereit	20		-		
Avistida vagans -		+	in Swares	compe Activity	~				
Aspenda idutata	- 1	1.000							
· centella asiatica -	- 1	1	62						
- Chiefethes sideresi -			64			8			
		1	115						
· Euphalaia -	- \	1	90 -				-		
7			67						
	4		80						
9			69						
0			70.						
1			71						
2		<u> </u>	72						
3			73						
4		-	74						
5			75						
6			76						
7			17						
8			78						
8.			79						
Ú.			80			5			
Sp. Richness Native Exolic	Ground layer	% 1x1 plots	Q1	QZ	Q3	Q4	Q5		
Tree	Native perent	nial grass							
itrub	Native other (grass							
Grass (annuel)	Native forb &	other							
Grass (perennial)	Native shrub	(<1m)							
Other (annual)	Exolic grass								
Other (perennial)	Exotic forb &	other							
	Leaf & slick li	iller		2					
	Rocks								
Cover abundance scale	Bane ground	2		1					
Modified Braun-blanquet 6 scale	Cryptogams			1			1		
UV	Tolai		100	100	100	10	0		
1 CES Stars	Plot Disturba	nce	100	1		10	1		
1 <5% - rare					Fire damage:				
2 <5% - common	Clearing (inc.	and the second se			Storm damage:				
	Cultivation (in	ic, pasture):				Trampling:			
3 5 - 25%	100 100 100 100 NO			Flood damage:					
3 D - 20% 4 25 - 50% 5 50 - 75%	Soil erosion: Firewood coll	-			Flood damage: Feral herbivores:				

HNSZA Mod/Good

JACOBS

Shale Hills - Wod (Good

rvey Site	1/10/20	15		Surveyor(s)	Lukas	claus		
point ID		12	_	Photo numbers	2281		->	2285
	E 286				1			- End
ordinates	N 625	670		Photo direction	N	E	s	w
ped Vegeta	A second s	~~			Condition:	1	Low	Mod-poor
ne: Gentld,	Mod, Steep	Aspect (deg	rees or cardin	al): SE	Altitude: 9	2m	Annual	
ography: o	crest, ridge, upper slop	e, mid slope, di	own slope, guilt	y, flat, depression, v	watercourse, escarpment,	terrace		
logy: basa	it, granite, conglomera	te, sandstone,	sillstone/mudsl	tone, shale, alluvium	n, limestone, metamorphic	s, gravel, ?		
type: sand	t, loam clay, organic, s	pravel, skeletal,	.7	Soil disturbance	totact, topsoil removed, f	iif.		
mant / Old	growth (uncleared):	Yes / Ne / Un	decided?		<u> </u>	rees		
	cture (formation) = C		ler	1	nant Layer (EDL) - most b	-	rorale	
Strata	Height interval	Median	Est cover	Dominant Species			1 hora	
E								
				Erral	yotus m	uluccona		
T1				Eucer	71-1-1	enercenter .		
T2	~							
T3	8							
1163	8					2		
				Burson	a colosa			
S1						1		
			() ()	Lyciu	m terpeis	SINGONA		
			1					
52					1 1 1 N			
S2			14		11. A. A.			
S2					5.1.s.		all a	
				Lolin	the second se	e En	anoshis	cynel
S2 G				Lolin Platag	the second se	meda	Antly o	pling
	*			Platag	o the	meda	Attro	paling
	Tree height (clino) leve			Platag Dicha nce from tree x (top9	o the notra very	meda	onostis Artipo 2nocietta	palium
G	Tree height (cino) leve Tree height (cino) from			Platag Dicha nce from tree x (top9	o the notra very	meda	onoshis Artipo analita	palium
G	Tree height (clino) from	bottom of slope	e = distance fro	Platag Dicha nce from tree x (top? om tree x (top?s - bot	o the notra very	meda	orostis Artico analistia	paliun
G	Tree height (cino) from d = dominant; c = co-di	bottom of stop	e = distance fro ibdominant: e =	Planding Dicha nce from tree x (top? em tree x (top?% - bot associated	o the ndra very \$ + bollom%) tom%)	vieda -s Bri	orostis Artino	paling
G	Tree height (cino) from d = dominant; c = co-di	bottom of stop	e = distance fro ibdominant: e =	Planding Dicha nce from tree x (top? em tree x (top?% - bot associated	o the notra very	vieda -s Bri	Antlyo mailella	and in
G itions nance sated cover	Tree height (clino) from d = dominant; c = co-di l = isolated (0.2-2%); v	ominant; s = su wery sparse (e = distance fro ibdominant; a = 2-20%); s = spa	Planag Didha mce from tree x (top% - bot associated associated arse (20-80%); m = r	tom%) rid danse (50-80%); d = de	nse (80-100%)	Antlyo Antlyo	curret.
G itions nance valed cover er & Hopkin	Tree height (cino) from d = dominant; c = co-di l = isolated (0.2-2%); v s height classes: 1-3m	bollom of slop ominant; s = su = very sparse (= dwarf; 3-8m =	e = distance fro ibdominant; e = 2-20%); s = spe low; 6-12m = m	Planag Didha mce from tree x (top? m tree x (top?s - bol associated associated arsa (20-80%); m = n nd-high; 12-20m = ta	tom%) nid danse (50-80%); d = de sit; 20-35m = very tall; >35m	nse (80-100%)		paling
G itions nance valed cover er & Hopkin	Tree height (cino) from d = dominant; c = co-di l = isolated (0.2-2%); v s height classes: 1-3m	bollom of slop ominant; s = su = very sparse (= dwarf; 3-8m =	e = distance fro ibdominant; e = 2-20%); s = spe low; 6-12m = m	Planag Didha mce from tree x (top? m tree x (top?s - bol associated associated arsa (20-80%); m = n nd-high; 12-20m = ta	tom%) rid danse (50-80%); d = de	nse (80-100%)		paliun
G itions nance sated cover er & Hopkin I Crown cov	Tree height (cino) from d = dominant; c = co-di l = isofated (0.2-256); v s height classes: 1-3m er; <0.2% = isolated tree	bottom of slope ominant; s = su = very sparse (= dwarf; 3-8m = e8 or clumps; 0.	e = distance fro bdominant; a = 2-20%); s = spa low; 8-12m = m 2-20% = open m	Planag Didda mce from tree x (top9 m tree x (top% - bot associated trae (20-60%); m = n nd-high; 12-20m = ta woodland; 20-50% =	tom%) mid danse (50-80%); d = de alt 20-35m = very tall; >35m woodland; 50-80% = open	nse (80-100%) = extremely tall forest; 80-100% = close		paliun
G illions nance valed cover er & Hopkin I Crown cov	Tree height (cino) from d = dominant; c = co-di l = isolated (0.2-2%); v s height classes: 1-3m er: <0.2% = isolated tree 10 Points - Fo	bottom of sign ominant; s = su = very sparse (= dwarf; 3-8m = es or clumps; 0. lage Projective	e = distance fro ibdominant; a = 2-20%); s = spa low; 8-12m = m 2-20% = open n e Cover	Planag Didne nce from tree x (top9 em tree x (top96 - bot associated trae (20-60%); m = r nid-high; 12-20m = ta woodland; 20-60% = Ground cover tally	tom%) ind danse (50-80%); d = de alt 20-35m = very tall; >35m woodland; 50-80% = open sheet, 50 points along 50	nse (80-100%) = extremely tall forest; 80-100% × close m transect		paliun
G itions nance sated cover er & Hopkin I Crown cov	Tree height (cino) from d = dominant; c = co-di l = isofated (0.2-2%); v s height classes: 1-3m er: <0.2% = isolated tree 10 Points - Fo Canopy % (photos)	bottom of sign ominant; s = su = very sparse (= dwarf; 3-8m = es or clumps; 0. lage Projective Midstoray %	e = distance fro bdominant; a = 2-20%); s = spa low; 8-12m = m 2-20% = open n 2-20% = open n 2-20% = cover Exotic %	Planag Didn's professor pr	tom%) ind danse (50-80%); d = de alt 20-35m = very tall; >35m woodland; 50-80% = open sheet, 50 points along 50 if plant intersects (hits) po	nse (80-100%) = extremely tall forest; 80-100% × close m transect		
G illions nance valed cover er & Hopkin I Crown cov	Tree height (cino) from d = dominant; c = co-di l = isofated (0.2-2%); v s height classes: 1-3m er: <0.2% = isofated tree 10 Points - Fo Canopy % (photos) 2 O	bottom of sign ominant; s = su = very sparse (= dwarf; 3-8m = es or clumps; 0. lage Projective Midstorey %	e = distance fro ibdominant; a = 2-20%); s = spe low; 8-12m = m 2-20% = open m 2-	Planag Didne nce from tree x (top9 em tree x (top96 - bot associated trae (20-60%); m = r nid-high; 12-20m = ta woodland; 20-60% = Ground cover tally	tom%) ind danse (50-80%); d = de alt 20-35m = very tall; >35m woodland; 50-80% = open sheet, 50 points along 50 if plant intersects (hits) po	nse (80-100%) = extremely tall forest; 80-100% × close m transect		Total (his/50)
G illions nance valed cover er & Hopkin I Crown cov	Tree height (cino) from d = dominant; c = co-di l = isofated (0.2-2%); v s height classes: 1-3m er: <0.2% = isofated tree 10 Points - Fo Canopy % (photos) 2 0 5	bottom of sign ominant; s = su = very sparse (= dwarf; 3-8m = ee or clumps; 0. lags Projective Midstorey %	e = distance fro ibdominant; a = 2-20%); s = spa low; 8-12m = m 2-20% = open n 2-20% = open n 2-20% = open n 2-20% = open n	Planag Didn's professor pr	tom%) ind danse (50-80%); d = de alt 20-35m = very tall; >35m woodland; 50-80% = open sheet, 50 points along 50 if plant intersects (hits) po	nse (80-100%) = extremely tall forest; 80-100% × close m transect		Total (hits/50)
G illions nance valed cover er & Hopkin I Crown cov	Tree height (cino) from d = dominant; c = co-d l = isofated (0.2-2%); v s height classes: 1-3m er: <0.2% = isolated tree 10 Points - Fo Canopy % (photos) 2 0 3 0	bottom of sign ominant; s = su = very sparse (= dwarf; 3-8m = es or clumps; 0. lags Projective Midstoray % O O O	e = distance fro bdominant; a = 2-20%); s = spe low; 8-12m = m 2-20% = open m 2-20% = ope	Planag Didn's professor pr	tom%) ind danse (50-80%); d = de alt 20-35m = very tall; >35m woodland; 50-80% = open sheet, 50 points along 50 if plant intersects (hits) po	nse (80-100%) = extremely tall forest; 80-100% × close m transect		
G illions nance valed cover er & Hopkin I Crown cov	Tree height (cino) from d = dominant; c = co-di l = isolated (0.2-2%); v s height classes: 1-3m er: <0.2% = isolated tree 10 Points - Fo Canopy % (photos) 20 30 30	bottom of sign ominant; s = su = very sparse (= dwarf; 3-8m = es or clumps; 0. Nidstorey % O O O	e = distance fro bdominant; a = 2-20%); s = spa low; 8-12m = m 2-20% = open v 2-20% = open v Cover Exotic % Cover	Planag Didn's professor pr	tom%) ind danse (50-80%); d = de alt 20-35m = very tall; >35m woodland; 50-80% = open sheet, 50 points along 50 if plant intersects (hits) po	nse (80-100%) = extremely tall forest; 80-100% × close m transect		Total (hits/50)
G illions nance valed cover er & Hopkin I Crown cov	Tree height (cino) from d = dominant; c = co-d l = isolated (0.2-2%); v s height classes: 1-3m er: <0.2% = isolated tree 10 Points - Fo Canopy % (photos) 2 0 30 2 5	bottom of sign ominant; s = su = very sparse (= dwarf; 3-8m = es or clumpe; 0. Nidstorey % 0 0 0 0	e = distance fro bdominant; a = 2-20%); s = spe low; 8-12m = m 2-20% = open m 2-20% = ope	Planag Didna nce from tree x (top% - bot associated associated arsa (20-80%); m = n nd-high; 12-20m = ta woodtand; 20-80% = Ground cover tally - every 1m record Native grass tally	b The adva vec is + bollom%) tom%) nid danse (50-80%); d = de alt 20-35m = very tall; >35m woodland: 50-80% = open sheet, 50 points along 50 if plant intersects (hits) po the flat intersects (hits) po	mse (80-100%) = extremely tall forest; 80-100% = clobe m transect int		Total (hiis/50) 247,
G illions nance valed cover er & Hopkin I Crown cov	Tree height (cino) from d = dominant; c = co-d l = isolated (0.2-2%); v s height classes: 1-3m er: <0.2% = isolated tree 10 Points - Fo Canopy % (photos) 2 o 30 2 5 2 0 2 5 2 0	bottom of sign ominant; s = su = very sparse (= dwarf; 3-8m = es or clumps; 0. Nidstorey % 0 0 0 0 0	e = distance fro bdominant; a = 2-20%); s = spa low; 8-12m = m 2-20% = open n 2-20% = open n	Planag Didna nce from tree x (top% - bot associated associated arsa (20-80%); m = n nd-high; 12-20m = ta woodtand; 20-80% = Ground cover tally - every 1m record Native grass tally	tom%) ind danse (50-80%); d = de alt 20-35m = very tall; >35m woodland; 50-80% = open sheet, 50 points along 50 if plant intersects (hits) po	mse (80-100%) = extremely tall forest; 80-100% = clobe m transect int		Total (hits/50)
G illions nance valed cover er & Hopkin I Crown cov	Tree height (cino) from d = dominant; c = co-d l = isolated (0.2-2%); v s height classes: 1-3m er: <0.2% = isolated tree 10 Points - Fo Canopy % (photos) 2 0 3 0 2 5 2 0 3 0 3 0	bottom of sign ominant; s = su = very sparse (= dwarf; 3-8m = es or clumps; 0. Nidstorey % O O O O O O	e = distance fro bdominant; a = 2-20%); s = spa low; 8-12m = m 2-20% = open n 2-20% = open n Cover Exotic % Cover	Planag Dridha nce from tree x (top% - bol associated trse (20-50%); m = r nd-high; 12-20m = ta woodland; 20-50% = Ground cover tally - every 1m record Native grass tally	b The adva vec is + bollom%) tom%) nid danse (50-80%); d = de alt 20-35m = very tall; >35m woodland: 50-80% = open sheet, 50 points along 50 if plant intersects (hits) po the flat intersects (hits) po	mse (80-100%) = extremely tall forest; 80-100% = clobe m transect int		Total (hiis/50) 247,
G illons nance sated cover er & Hopkin Crown cov	Tree height (cino) from d = dominant; c = co-d l = isolated (0.2-2%); v s height classes: 1-3m er: <0.2% = isolated tree 10 Points - Fo Canopy % (photos) 2.0 3.0 2.5 2.0 3.0 3.0 3.0 3.0 3.0	bottom of sign ominant; s = su = very sparse (= dwarf; 3-8m = es or clumps; 0. Nidstorey % 0 0 0 0 0	e = distance fro bdominant; a = 2-20%); s = spa low; 8-12m = m 2-20% = open n 2-20% = open n	Planag Didna nce from tree x (top% - bot associated associated arsa (20-80%); m = n nd-high; 12-20m = ta woodtand; 20-80% = Ground cover tally - every 1m record Native grass tally	b The adva vec is + bollom%) tom%) nid danse (50-80%); d = de alt 20-35m = very tall; >35m woodland: 50-80% = open sheet, 50 points along 50 if plant intersects (hits) po the flat intersects (hits) po	mse (80-100%) = extremely tall forest; 80-100% = clobe m transect int		Total (hiis/50) 247,
G illions nance valed cover er & Hopkin I Crown cov	Tree height (cino) from d = dominant; c = co-d l = isolated (0.2-2%); v s height classes: 1-3m er: <0.2% = isolated tree 10 Points - Fo Canopy % (photos) 2 0 3 0 2 5 2 0 3 0 3 0	bottom of sign ominant; s = su = very sparse (= dwarf; 3-8m = es or clumps; 0. Nidstorey % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	e = distance fro bdominant; a = 2-20%): s = spa low; 8-12m = m 2-20% = open n 2-20% = open n 2-20% = open n 0 0 0 0 0 0 0 0 0 0 0 0 0	Planag Dridha nce from tree x (top% - bol associated trse (20-50%); m = r nd-high; 12-20m = ta woodland; 20-50% = Ground cover tally - every 1m record Native grass tally	b The adva vec is + bollom%) tom%) nid danse (50-80%); d = de alt 20-35m = very tall; >35m woodland: 50-80% = open sheet, 50 points along 50 if plant intersects (hits) po the flat intersects (hits) po	mse (80-100%) = extremely tall forest; 80-100% = clobe m transect int		Total (hiis/50) 247,
G illions nance valed cover er & Hopkin I Crown cov	Tree height (cino) from d = dominant; c = co-d l = isolated (0.2-2%); v s height classes: 1-3m er: <0.2% = isolated tree 10 Points - Fo Canopy % (photos) 2.0 3.0 2.5 2.0 3.0 3.0 3.0 3.0 3.0	bottom of sign ominant; s = su = very sparse (= dwarf; 3-8m = es or clumps; 0. Nidstoray % 0 0 0 0 0 0 0	e = distance fro bdominant; a = 2-20%): s = spa low; 8-12m = m 2-20% = open n 2-20% = open n Cover Exotic % Cover	Planag Dridha nce from tree x (top% - bol associated trse (20-50%); m = r nd-high; 12-20m = ta woodland; 20-50% = Ground cover tally - every 1m record Native grass tally	b The adva vec is + bollom%) tom%) nid danse (50-80%); d = de alt 20-35m = very tall; >35m woodland: 50-80% = open sheet, 50 points along 50 if plant intersects (hits) po the flat intersects (hits) po	mse (80-100%) = extremely tall forest; 80-100% = clobe m transect int		Total (hiis/50) 247,
G illions nance valed cover er & Hopkin I Crown cov	Tree height (cino) from d = dominant; c = co-d 1 = isofaled (0.2-2%); v s height classes: 1-3m er: <0.2% = isofaled tree 10 Points - Fo Canopy % (photos) 2 0 3 0 2 5 2 0 3 0 3 0 0 1 0 0 1 0 0	bottom of sign ominant; s = su = very sparse (= dwarf; 3-8m = es or clumps; 0. Nidstorey % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	e = distance fro bdominant; a = 2-20%): s = spa low; 8-12m = m 2-20% = open n 2-20% = open n 2-20% = open n 0 0 0 0 0 0 0 0 0 0 0 0 0	Planag Dridha nce from tree x (top% - bol associated trse (20-50%); m = r nd-high; 12-20m = ta woodland; 20-50% = Ground cover tally - every 1m record Native grass tally	tom%) mid dense (50-80%); d = de alt 20-35m = very tall; >35m woodland: 50-80% = open sheet, 50 points along 50 if plant intersects (hits) po HHH fem, sedge, etc) tally -	mse (80-100%) = extremely tall forest; 80-100% = clobe m transect int		Total (hiis/50) 247,
G itions nance valed cover er & Hopkin I Crown cov	Tree height (cino) from d = dominant; c = co-d 1 = isofaled (0.2-2%); v s height classes: 1-3m er: <0.2% = isofaled tree 10 Points - Fo Canopy % (photos) 2 o 5 2 o 5 5 2 o 5 5 2 o 5 5 5 5 5 5 5 5 5 5 5 5 5	bottom of sign ominant; s = su = very sparse (= dwarf; 3-8m = es or clumps; 0. Nidstorey % 0 0 0 0 0 0 0 0 0 0 0 0 0	e = distance fro bdominant; a = 2-20%); s = spa low; 8-12m = m 2-20% = open n 2-20% = ope	Places Didda note from tree x (top9 m tree x (top9% - bot associated trse (20-60%); m = n nd-high; 12-20m = ta woodland; 20-60% = Ground cover tally - every 1m record Native other (herb	tom%) mid dense (50-80%); d = de alt 20-35m = very tall; >35m woodland: 50-80% = open sheet, 50 points along 50 if plant intersects (hits) po HHH fem, sedge, etc) tally -	mse (80-100%) = extremely tall forest; 80-100% = clobe m transect int		Total (hits/50) 2.4() , Total (hits/50) 44',
G illions nance wated cover er & Hopkin I Crown cov Transect (((((((())) (() () () (Tree height (cino) from d = dominant; c = co-d 1 = isofaled (0.2-2%); v s height classes: 1-3m er: <0.2% = isofaled tree 10 Points - Fo Canopy % (photos) 2 o 5 2 o 5 5 2 o 5 5 2 o 5 5 5 5 5 5 5 5 5 5 5 5 5	bottom of sign ominant; s = su = very sparse (= dwarf; 3-8m = es or clumps; 0. Midstorey % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	e = distance fro bdominant; a = 2-20%); s = spa low; 8-12m = m 2-20% = open m 2-20% = ope	Places Didda note from tree x (top9 m tree x (top9% - bot associated trse (20-60%); m = n nd-high; 12-20m = ta woodland; 20-60% = Ground cover tally - every 1m record Native other (herb	tom%) mid dense (50-80%); d = de alt 20-35m = very tall; >35m woodland: 50-80% = open sheet, 50 points along 50 if plant intersects (hits) po HHH fem, sedge, etc) tally -	mse (80-100%) = extremely tall forest; 80-100% = clobe m transect int		Total (hits/50) 2.4() , Total (hits/50) 44',
G illions nance wated cover er & Hopkin I Crown cov Transect (((((((())) (() () () (Tree height (cino) from d = dominant; c = co-d 1 = isofaled (0.2-2%); v s height classes: 1-3m er: <0.2% = isolated tree 10 Points - Fo Canopy % (photos) 2 o 5 2 o 5 5 5 5 5 5 5 5 5 5 5 5 5	bottom of sign ominant; s = su = very sparse (= dwarf; 3-8m = es or clumps; 0. Midstorey % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	e = distance fro todominant; a = 2-20%); s = spa low; 8-12m = m 2-20% = open n 2-20% = open n 2-20% = open n 0 0 0 0 0 0 0 0 0 0 0 0 0	Places Didda note from tree x (top9 m tree x (top9% - bot associated trse (20-60%); m = n nd-high; 12-20m = ta woodland; 20-60% = Ground cover tally - every 1m record Native other (herb	tom%) mid dense (50-80%); d = de alt 20-35m = very tall; >35m woodland: 50-80% = open sheet, 50 points along 50 if plant intersects (hits) po HHH fem, sedge, etc) tally -	mse (80-100%) = extremely tall forest; 80-100% = clobe m transect int		Total (hits/50) 2.4() , Total (hits/50) 44',
G illions nance wated cover er & Hopkin I Crown cov Transact I Sum / 10) w 50 x 20m th of woody	Tree height (cino) from d = dominant; c = co-d 1 = isofaled (0.2-2%); v s height classes: 1-3m er: <0.2% = isolated tree 10 Points - Fo Canopy % (photos) 2 o 5 2 o 5 5 5 5 5 5 5 5 5 5 5 5 5	bottom of sign ominant; s = su = very sparse (= dwarf; 3-8m = es or clumps; 0. Midstorey % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	e = distance fro todominant; a = 2-20%); s = spa low; 8-12m = m 2-20% = open n 2-20% = open n 2-20% = open n 0 0 0 0 0 0 0 0 0 0 0 0 0	Places Didda note from tree x (top9 m tree x (top9% - bot associated trse (20-60%); m = n nd-high; 12-20m = ta woodland; 20-60% = Ground cover tally - every 1m record Native other (herb	tom%) mid dense (50-80%); d = de alt 20-35m = very tall; >35m woodland: 50-80% = open sheet, 50 points along 50 if plant intersects (hits) po HHH fem, sedge, etc) tally -	mse (80-100%) = extremely tall forest; 80-100% = clobe m transect int		Total (hits/50) 2.4() , Total (hits/50) 44',
G lions lance aled cover r & Hopkin Crown cov Fransect Fransect sum / 10) r 50 x 20m h of woody	Tree height (cino) from d = dominant; c = co-d 1 = isofaled (0.2-2%); v s height classes: 1-3m er: <0.2% = isolated tree 10 Points - Fo Canopy % (photos) 2 o 5 2 o 3 0 2 5 2 0 3 0 2 5 3 0 3 0 2 5 3 0 2 5 3 0 2 5 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0	bottom of sign ominant; s = su = very sparse (= dwarf; 3-8m = es or clumps; 0. Midstorey % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	e = distance fro ibdominant: a = 2-20%): s = spa low; 8-12m = m 2-20% = open n 2-20% = open n 2-20% = open n 0 0 0 0 0 0 0 0 0 0 0 0 0	Place from tree x (top9 associated associate	tom%) mid dense (50-80%); d = de alt 20-35m = very tall; >35m woodland: 50-80% = open sheet, 50 points along 50 if plant intersects (hits) po HHH fem, sedge, etc) tally -	mse (80-100%) = extremely tall forest; 80-100% = clobe m transect int		Total (hits/50) 2447 , Total (hits/50) 4477, Total (hits/50) 077.

C:\Users\lclews\Desktop\Shortcuts\BB_Field_Sheet

3:28 PM29/09/2015



Site ID: 2627			Survey type:C	uadrat 20m x 20	m		
Species	Cover	Abund.	Species			Cover	Abund.
Eveduatus molluscara -	5	10	41				
Dianella Ionaifalia -	1	3	421.				
Arthroadin uelletten	2	Zot	43				
Dichardra repers -	84	201	44				
Aranjia seicitur	1	1	45				
Service madagasearius	-7	204	46	7 A			
Platan debits	3	20+	K and	tidra.di			
	1	0		the the part		14	
	1		ab				
Olea engrarea	2	20+					
Chhata Ercla	5	1					
Biduce pilosa	3	201-	62				
Erographic annula	2	zot	02				
		207	ca.				
Theorega trianta -	1		24				
Einadia nutars -	3	201	56				
· Conyza barainsi:		11	90				
Lachica seriola	1	12.00	3.7				
Aspenila ronferta -	2	2.01	58				
· Citsing vulgar	1	1	59				-
· lowardra stracilis -	2	24	80				
· Lolin perette	3	201	01				
· Sida untrabilitation	1	1,	02				
· Lycium lengeissinus	1		63				
· Penniceten dedestinen	3	203-	04 h h h h			6	past
s Echium	1	11	as Marsdie	nia virid	pland an	tence	pasi
26		-	00 00	soar	plot		
7			67				
28			en.				
29			60				
20			70				
84			71			-	
12			72			1	
83			73				
54			24				
25			75				
56			76				
87			17				
30			78				
39			79				
40			80				-
Sp. Richness Native Exotic	Ground layer	% 1x1 plots	Q1	02	Q3	Q4	Q5
Tree	Native peren	nial grass					
Shrub	Native other	grass					-
Grass (annual)	Native forb 8	i other					
Grass (perennial)	Native shrub	(<1m)					
Other (annual)	Exotic grass						
Other (perennial)	Exotic forb 8	other					
	Leaf & stick	litter					
	Rocks		· · · · · · · · · · · · · · · · · · ·				
Cover abundance scale	Bare ground						
Modified Braun-blanquet 6 scale	Cryptogams						-
	Total		100	100	100	10	100
1 <5% - rare	Plot Disturba	ance			Fire damage:		
2 <5% - common	Clearing (inc	logging):			Storm damage:		
3 5-25%	Cultivation (I	nc. pesture);			Trampling:		
	Soil erosion:				Flood damage:		
4 25 - 50%							
4 25 - 50% 5 50 - 75%	Firewood co	dection:			Feral herbivores:		
5 (A) (278) (288)	Firewood co Stock grazin				Feral herbivores: Other:		

BioBanking Field Sheet



MN	sza	DNG
100	Ent	eved

Survey Site	te Form - BioBanking Site II				10: 33 DNG Vegetation zone:						
Date	21/01/2	016		Surveyor(s):	,						
aypoint ID	770			Photo numbers	2324	2325	237-6	2327			
Coordinates	E 028586			Photo direction	N	E	s	w			
Aspped Veget	and the second sec			1	Condition:	-	Low	Mod-good			
Slope: Gantle.	and the second se	Aspect (deg	rees or cardin	nal):	Altitude:			nine Broot			
opography:	crest, ridge, upper slop	e, mid slope, di	win slope, gul	v. flat, depression, v		ent, terrace					
	alt, granite, congiomera	and the second sec		Contraction of the second s							
	id, loam, clayborganic,				intact, topsoil remov		-				
	(uncleared)	Yep/No/Wr			9						
	ucture (formation) =	GRASSI	The second s	Ecologically Dom	inant Layer (EDL) - m	ast biomass z / A	COUNDEMIER				
Strata	Height Interval	Median	Est. cover	Dominant Specie		use of officiality of the	GOHOWHYER	-			
00000	thought months		Cott of Par	bonnian opcore	o di bonni landa						
E	4.										
-								1			
		-									
T1	1 S										
0.011	2						1				
	1					/					
T2						/					
					/						
	1			-	1						
тз											
1000				1							
	1	-	1								
S1	10		1								
0.00		1									
S2	1										
10.000											
				Them	oda trianc	20	Prizo S.	boustate			
G	1 - R	1		100.00	lina	24.00	Burg a	Martin Correcting			
55	1.0				horan real	Lington					
	Tree height (clino) leve	around or loo	of since = dista	the second se	the local data in the local data where the local data is the local data where the local data is the lo						
	Tree height (clino) from										
Definitions				1010							
Dominarice	d = dominant; c = co-c	ominant; s = su	bdominant; a =	associated							
atimated cover	r 1 = isolated (0.2-2%); v	= very sparse (2-20%): s = sp	arse (20-50%); m = (mid dense (50-80%); d	= dense (80-100%)					
			50.8×050.8=35								
Valker & Hopkis	ins height classes: 1-3m	= dwarf; 3-6m =	low: 6-12m = r	nid-high: 12-20m = t	all; 20-35m = very tall; ;	>35m = extremely tall					
						open forest; 80-100% = r:	losed forest				
		1867	<u>20</u>	80	25,200						
Om Transect	10 Points - Fo	age Projective	e Cover	Ground cover tall	sheet, 50 points alor	ig 50m transect					
Point	Canopy % (photos)	Midstorey %	-	-	d if plant intersects (hil						
m	0	0	0	Native grass tally	·	14 H		Total (hits/50)			
Qm	1	1	t	1	HIT IL	FILT 1	IT	rous (rataba)			
5m				1 ~	All MI	CHIT H	1/	700			
Om	•		1	1	UT ATT	T ILT		70%.			
5m				1 8	VII AIII	11					
Drm				Natius office (host	form chidne atal t-th			Total (hile/ED)			
im .	-	1		Coloring Coulds (1)BIC	, fern, sødge, elc) tall	y -		Total (hits/50)			
		1			11//						
0m 5m	37	V	1	4 ⁰	01/3			81.			
im Im	- V		-V-	1				0,			
Dm	0- 0	0	0	Nution and Article	v			Walked States and			
otal (sum / 10		0	0	Native shrub tally	2			Total (hits/50)			
arger 50 x 20r								0'r			
engin of wood	dy debris >10cm wide 8	>0.5m long	0					01.			
repartion of c	anopy sp. regeneration		9	Exotic tally -	HT HT	1		Total (hits/50) 22/.			
time to the	Contact and the second second		10	1 1	11/11			221.			
rumber of tree	as with hollows >5cm		CX:					1478/22 WS-2			

12:21 PM12/01/2016



ite ID: 33 ONG	10	Tabd	Constant			Course	Abund.
pecies .	Cover	Abund.	Species			Cover	Adund.
Themeda trandra Hypochock vadriate School madagascours Gamerica sp. Euliton Aspensia parfeita	- 6	100+	41				
Appochask vaduates	3	20+	42				
Senerce madagascours	1 7		63				
(monther sp. culliton	- 2	20+	61				
Aspendia ponferta	- 2	20+	45			-	
6812A SUD.		20+	45				
Cynoden dachilon	- 3	201	47				
Chrine tabaching	+ /	201	48				_
Plantage Tartéstata	at 1	5	4¢				
Plantena lance lata	1	1	5D				
Paspalum dialataha	1	S	51				
Passalum dialataka	3	20+	62				
Parpelidium distans	+ 1	1	50				
Contella azcatica	+ 2	20+	64				
Parpolidung dirtons	- 7	29+	66				
Phylorithus Sp.	- 1	1	54				
Zarnia	- 1	1	57				
Embrystylus direte	AT 1	1	5.0				
Botheric lea maria	+ 1	1 1	trà				
Eigerostis Brawnij	+ 1	11	60				
Scallet propringe	1	1	n1.				
and property			82				
1	_		45				
	-		44				
1	_	-	at.				-
_/	-		00				
	-		40				
	_		811.				-
	_		en.				
		-	69				-
		-	79				
	_	-	n				_
			72				_
	_		73				
	_		74				
			75				
		-	78				_
		-	17				
	_	-	28				
			794				-
			80				
p. Richness Native Exolic	Ground laye	r % 1x1 plots	Q1	Q2	Q3	Q4	Q5
89 L.	Native pere	nnial grass					_
hrub III	Native other	grass					
rass (annual)	Native forb	& other					
rass (perennial)	Native shrul	b (<1m)					
ther (annual)	Exotic grass	5					
ther (perennial)	Exotic forb	5 other				<u></u>	
	Leaf & stick	ätter					
	Rocks						
Cover abundance scale	Bare ground	1					
Modified Braun-blanquet 6 scale	Cryptogame						
1.000000000000000000000000000000000000	Total		100	1	00 100		100
1 <5% - rare	Plot Disturb	ance			Fire damage:		
2 <5% - common	Clearing (in	a Print Prin			Storm damage:		
3 5-25%		inc. pasture):			Trampling:		
3 5-25% 4 25-50%	Soil erosion				Flood damage:		
	Firewood co				Feral herbivores:		
	Stock grazin				Other:		
6 75 - 100%							

BioBanking Field Sheet



HN SZA DNG

	•	1
Fute	- 4 .	/
Luce	ear	

Survey Site	e Form - BioBank	ling		Site ID: PZ	ONG	Vegetation zone:	DNG	
Oate	3/2/2	2016		Surveyor(s):	Lukas	chen S		A A A A A A A A A A A A A A A A A A A
Vaypoint ID	. /	804		Photo numbers	1 Phien	C		
Coordinates	E 02.83	5811		- Photo direction	N	E	S	w
Mapped Veget	- I				Condition:		Low	Mod-goog
Slope: Gafile)	and the second se		rees or cardi	nal): { last-	Altitudo:	92m		2
Topography:	crest, ridge, upper slop	and the second se	and the second se					
	alt, granite, congiomera			Contraction of the second seco		(80) (000		
	d. loam, clay, organic, i				: intact, topsoil remov			
	growth (uncleared):	Yes/NoPU				00, 11		
				In the second	and the second second b		1 1	
and the second second second	ucture (formation) = 🏒				inant Layer (EDL) - m	ost biomass = 97	and land	r
Strata	Height interval	Median	Est. cover	Dominant Specie	s & Dominance	9		
-								
E								
		-					/	
-		1		-		/		
T1	5 30	1						
	· · · · · · · · · · · · · · · · · · ·		1					
1.1			1 3					
T2	*	1	1	-	/			
					/ · ·			
020020					-			
Т3	1 B			/				
			/					
			/					
S1		/	1					
		/						
	/							
S2			1					
						a		
				Themed	la tria	don (d)		
G			95%					
			100					
	Trea height (clino) leve							
- 2	Tree fieight (dino) fron	h bottom of slop	ie = distance fr	om tree x (top% - bot	ttom%}			
Definitions						*		
Iominance	d = dominant; c = co-d							
stimated cover	1 = isolated (0.2-2%); v	= very sparse	(2-20%); s = sp	arse (20-50%); m = r	mid dense (50-80%); d	= dense (80-100%)		
	is height classes: 1-3m							
V&H Crown cov	ver: <0.2% = isolated tre	es or clumps; 0	.2-20% = apen	woodland; 20-50% =	woodland; 50-80% = 0	open forest; 80-100% = clo	sed forest	
Om Transect	10 Points - Fo	liage Projectiv	e Cover	Ground cover taily	sheet, 50 points alon	ig 50m transect		
oint	Canopy % (photos)	Midstorey %	Exotic %	- every 1m record	l if plant intersects (hit	ls) point		i
m	0	0	Ø	Native grass tally	111-111	+ 14+ 11	0 100	Total (hits/50)
0m	1	1	1		+++++	1 111 4	# ## 11	
5m				1			1 11 11	54%
0m				1			2 M	-11.
5m				1				
Gm				Native other therb	, fem, sedge, etc) tally	- 111		Total (hits/50)
5m	1			1	Contraction and said	++++-		(van (nev ov)
Om				1		111		1.
5m	1			1		5 3		10%
	V	1		1				No. 61
0m								A DATE AND ADDRESS
otal (sum / 10)		0	0	Native shrub tally				Total (hits/50)
arger 50 x 20m								0%
engin of woody	y debris >10cm wide &	>0.5m long	D					· .
			-					
roportion of ca	mopy sp. regeneration		0	Exotic tally -	1111 +	11 114		Total (hits/50)
		_		1. 11	1 111 1	TI		36%.
umber of trees	with hollows >5cm		0			1 11		30/-

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Site ID: P2	16				Survey type:Q	uadrat 20m x :	20m		
Species			Cover	Abund.	Species			Cover	Abund.
Theme	a trie	.dra	- 6	100t	41				
Diaitar	A		4	20+	+ Arong	245			
Ojajtan Grada	n doch	alon.	- 3	204	in C				-
Wasodry	acins	codirata	3	204	44				
El lan's	Lite 6	Schatzera.	-2	201	45				
Huper	100 00	asraiailasis	+2	20+	45				
Seberio	and here	avoiation's	- 2	201-	47				
Centralla	aside	k ca	+1	201-	4.0				
Setari	0		1	2.95	45				
Briza	inter.	Anto	-2	201-	50				
Conza			1	SHERT	51				
Aristide	L Udi		- 1	\$ 5	62				
E. an Co	alte (Inula	N.	1 miles	63				
- Cundado	in the	paranette	5 .	1	54				
CL all	ALL LA	Paramen	- 1	1	56				
Eupho	thin.			1	te				
I hadal	locala.	andilis	- 1	1	57				
	Dera		-1	lot	58				
Finne	sh's bro	1 1315 1 1	- 1	11	50				
0 Carbol	000.00	velvad	+ 1	T	ND.				
1 granie	P.G.	1 States and			R1				
2					62				
1					63				
14					64				
45					65				
					86				
17					67				
28			-		00.				
29					00				
30					20			_	
31					71				
32					72				
22					73			_	
34					74			-	
15					13				
36					76 -				
97					77				
36					76				
315					79				
46					80				
Sp. Richness	Native	Exotic	Ground laye	er % 1x1 plots	Q1	Q2	Q3	Q4	Q5
Tree			Native pere	nnial grass					
Shrub			Native office	r grass				-	
Grass (annual)	12		Native forb	& other					
Grass (perennial)	16	•	Native shru	b (<1m)					
Other (annual)	· ·		Exotic gras	5					
Other (perennial)			Exotic forb	& other					
			Leaf & stick	litter				-	
			Rocks					-	
(Cover abundance	e scale	Bare groun	d	-		-	-	
Modi	fied Braun-blan	quet 6 scale	Cryptogam	8	312				
			Total		100		100 10	00	100
1	<5% - raru		Plot Disturt	ance			Fire damage:		
2	<5% - com	mon	Clearing (in	ic. logging):			Storm damage:		
3	5 - 25%		Cultivation	(inc. pasture):			Trampling		
4	25 - 50%		Soil erosion	tr.			Flood damage:		
5	50 - 75%		Firewood o	ollection:			Foral harbivores.		
6	75 - 100%		Stock grazi	ng:			Other		



					BioBanking Field	Sheet HN	1529 En	DNG	8
	JAC	OB	S				En	tered	
Survey Sit	te Form - BioBank	king		Site ID: OA	19 131	Vegetation zone:			7
Date	2/2/2	Contraction of the local division of the loc		Surveyor(s):	10	Lontermore			-
Waypoint ID		803		Photo numbers	2496	2487	2488	2489	-
Coordinates	the second se	25		Photo direction	N	E	s	W	1
Aapped Vege		787			Condition:		-	21	-
and the second se	Mod, Steep	LAspect /den	rees or cardin	an: flat		18m	Low	Mcd-good	4
	: crest, ridge, upper stop								-
	salt, granite, ogoglomen	and the second se	and the second se						-
	nd, loam, day, organic,		I contact the second second		e: interf. Topsoil remove	CANADA TREASENCIA			-
		Yes / JG/Ur		Son diatoritation	e. mac. jupsoe remove	50, 61			-
	d growth (uncleared):	And in case of the local division of the loc	The second se	In the second					-
		grassle			ninant Layer (EDL) - mo	ost biomass = Mn	ouel		-
Strata	Height interval	Median	Est. cover	Dominant Specie	es & Dominance	0			-
E									
		-		<hr/>		1	•		-
T1	2		1	1			-		-
T2	5.2		1	-					
12	* 3		1		1	/			-
					\sim				-
тз	*			-					-1
				/		1			
			/			1			
S1									-
		1	-				<		-
S2			1				1		-
			1	-	12		1		1
				them	da				-
G	0 0.Sn		951	Digiti	ania				
		1	121	Spore	Lolus				
	Tree height (cino) leve	el ground or top	of slope = dista	nce from tree x (top	% + boltom%}			2	
	Tree height (clino) from	n bottom of slop	e = distance in	om tree x (top% - bo	(%motik				
Definitions									
Dominance	d = dominanii; c = co-d								1
cove cove	ar I = isolated (0.2-2%); v	/ = very sparse ((2-20%); s = sp	arse (20-50%); m =	mid dense (50-80%); d =	- dense (80-100%)			1
1			10.00 m			-			-
	ins height classes: 1-3m over: <0.2% = isolated tre					35m = extremely tail pen forest; 80-100% = clos	sed forest		
			221000419042911		Keepense o 2219-0-940-19	0411.003 keruse ers			
Om Transect	-	allage Projective	1	• · · · · · · · · · · · · · · · · · · ·	ly sheet, 50 points along				1
Point	Canopy % (photos)		Exotic %		d if plant intersects (hits				-
im Om	0	0	0	Native grass taily	## ##-	111 111	- 111 - 1/1	Total (hits/50)	1
0m 5m				1 a 1	n ull	111 111	111 11	100	
10m 10m				11		1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -		621.	
25m				1					0
i0m				Nativa other /hert	t form series and late			Total (hits (5.0)	001
i5m	1 1			House cauge (1960)	b, fern, sedge, etc) tally			Total (hits/50)	voili
IOm								71	V
15m				1				21.	
iOm	V	V	V						
'otal (sum / 10))= D	0	0	Native shrub tally	2			Total (hits/50)	
arger 50 x 20	111							A.	
ength of wood	dy debris >10cm wide &	>0.5m long	0					07.	
Proportion of c	anopy sp. regeneration		0	Exotic tally - 4	H-111-H	H 111		Total (hits/50)	1
umber of tree	as with hollows >5cm		0	· · · · · ·	oft i	ועיין		36%	
			- Jul						



Site ID: DNG 139	Cover	Abund.	Species			Cover	Abund.
Themeda triandra	- 5	100+	41				
Diaitaria	4	100+	FAxong	225			
Anystida ramosa	+2	100+	43	10 			
Setaria .	2	100+	41				
Briza subaristata	2	201-	45				
Sparolooluse creter	- 2	2004	æ				
Paspalin dilatation	2	20+	47				
Serecio modocascainsi	Concession of the local division of the loca	ROT-	45				
	1-2	10	40				
bothightra marra	+ 2	201	00				
Wallenbogia granus		Rot					
Explicitat solarico		1	12				
> Hypericum aramine		1201	53				
Hipochacio rollicata	7	Zat	54				
Sporabolis parranattion	1 7	1	65				
		10	5.5				
Enterin evilla		10	67				
1 X 1 1	1	1	58				
· Erdanostis, browni	-1	1	50				
· Cynodon dadylei	- 2	201	00				
Martin many 181		Card	61				
5 ·			82				
a			03				
a	-		64				
6			05				
			65				
			62				
			60				
19. 19.			69				
79 N/s			70				
			71				
10			72				
14			73				
54			74				
11. 145			75				
8			76				
37			77				
38			78				
39			79				
40			80				
Sp. Richness Native Exotic	Ground lay	er % 1x1 plots	Q1	Q2	Q3	Q4	Q5
Тгее		nnial grass					
Shrub 1	Native othe						
Grass (annual)	Native forb						
Grass (perennial)	Native shru	b (<1m)					
Other (annual)	Exotic gras	8					
Other (perennial)	Exotic forb	& other					
	Leaf & stick	titter					
	Rocks				1		_
Cover abundance scale	Bare groun	đ				-	
Modified Braun-blanquat 6 scale	Cryptogam	8					
P.M.	Total		100	10	0 10	D	100
1 <5% - rare	Plot Disturt	eonee			Fire damage:		
2 <5% - common	Clearing (in	ic, logging):			Storm damage:		
3 5-25%	Cultivation	(inc. pasture)			Trampling:		
4 25 - 50%	Soll erosion	n;			Flood damage:		
5 50 - 75%	Firewood c	offection:			Feral herbivores:		
6 75 - 100%	Stock grazi	ing:			Other:		

BioBanking Field Sheet



HN 529	DNG
enterd	/

Date	e Form - BioBan			Site ID: 50	DNG7	Vegetation zone:		
	21/01/	2016		Surveyor(s):	V.			
Waypoint ID	- FF/			Photo numbers	2328	2329	2.330	233/
Coordinates	E 02863	the second s		Photo direction	N	E	S	w
Mapped Vege	tation type:				Candition:		Low	Mod-good
Slope: Gentie	, Wod, Steep	Aspect (deg	prees or cardin	sal):	Altitude:			
	crest, ridge, upper slop	N		A CONTRACTOR OF A CONTRACTOR OFTA				
	alt, granite, conglomen							
Soil type: sar	nd, loam, clay lorganic,			Soil disturbance	: intact.)opsoil rem	oved, fill		
	growth (uncleared):	Vesil No / U		S				
	ructure (formation) = (I RASSEA	V10	Ecologically Domi	inant Layer (EDL) -	most biomass = (//	OUNDLAYTR	
Strata	Height interval	Median	Est cover	Dominant Species	s & Dominance			
E	1							
5								
T1								
36252						~		
			1			1		
T2			1			<		
					/			
10000								
T3	0.0%			1				
_		-		-				
24	1 22		1	E. 1	ercheorn	C3		
S1		/	1					
		-	<u> </u>					
S2								
	-							
				Theas	oda tr	andia		
17.022						Sector Contraction of the sector of the sect		
G	•			Ruizo				
G	•				z sub.			
G	Tree height (clino) leve Tree height (clino) fror			nce from tree x (top?	2 SUB.			
G	Tree height (clino) levi Tree height (clino) fror			nce from tree x (top?	2 SUB.			
afnitions ominance	Tree height (clino) from d = dominant; c = co-c	n bottom of slop tominant; s = st	e = distance fro ubdominant; a =	noe from tree x (top% om tree x (top% - bot associated	<u>2 SUB-</u> 6 + bollom%) 10m%)			
afnitions ominance	Tree height (clino) fror	n bottom of slop tominant; s = st	e = dislance fro ubdominant; a =	noe from tree x (top% om tree x (top% - bot associated	<u>2 SUB-</u> 6 + bollom%) 10m%)	d = dense (80-100%)		
efinitions ominance stimated cover	Tree height (clino) fron d = dominant; c = co-c r I = isolated (0.2-2%); v	n bottom of slop tominant; s = st / = very sparse (e = dislance fro ubdominant; a = (2-20%); s = spa	nce from tree x (top?) om tree x (top?)e - bot associated anse (20-50%); m = n	2 SUB - 6 + bottom%) tom%) nid dense (50-80%);			
efinitions ominance stimated cover falker & Hopki	Tree height (clino) fron d = dominant; c = co-c r I = isolaled (0.2-2%); v ris height classes: 1-3m	n bottom of slop forninant; s = su v = very sparse (= dwarf; 3-6m =	e = distance fro ubdominent; e = (2-20%); s = spe : low; 6-12m = m	nce from tree x (top?) om tree x (top?) - bot associated arso (20-50%); m = n nid-high; 12-20m = ta	SUB follom%) tom%) nid dense (50-80%); t; 20-35m = very tal;	>35m = extremely tall		
efinitions ominance stimated cover falker & Hopki	Tree height (clino) fron d = dominant; c = co-c r I = isolaled (0.2-2%); v ris height classes: 1-3m	n bottom of slop forninant; s = su v = very sparse (= dwarf; 3-6m =	e = distance fro ubdominent; e = (2-20%); s = spe : low; 6-12m = m	nce from tree x (top?) om tree x (top?) - bot associated arso (20-50%); m = n nid-high; 12-20m = ta	SUB follom%) tom%) nid dense (50-80%); t; 20-35m = very tal;		osed forest	
efinitions ortinance stimated cover falker & Hopkil /&H Crown co/	Tree height (clino) fron d = dominant; c = co-c r I = isolated (0.2-2%); v ns height classes: 1-3m ver: <0.2% = isolated tre	n bottom of slop tominant; s = si v = very sparse i = dwart; 3-8m = ies or clumps; 0	e = distance fro ubdominant; a = (2-20%); s = spa ; low; 8-12m = m ; 2-20%; < open (nce from tree x (top% - bot am tree x (top% - bot associated anse (20-50%); m = n nid-high; 12-20m = ta woodland; 20-50% =	SUB s	>35m = extremely tall open forest; 80-100% = clr	csed foreal	
efinitions ortinance stimated cover falker & Hopki &H Crown co Om Transect	Tree height (clino) fron d = dominant; c = co- r I = isolated (0.2-2%); v ns height classes: 1-3m ven <0.2% = isolated fro 10 Points - Fo	n bottom of slop tominant; s = si v = very sparse i = dwarf; 3-6m = ies or clumps; 0 kliage Projective	 e distance fro ubdominent; e = (2-20%); s = spa tiow; 8-12m = m (2-20%) = open v e Cover 	nce from tree x (top% - bot associated arso (20-50%); m = n nid-high; 12-20m = ta woodland; 20-50% = Ground cover tally	Sub. Sub. tom%) tom%) nid dense (50-80%); it: 20-35m = very lalt woodland; 50-80% = sheet, 50 points alc	>35m = extremely tall open forest; 80-100% = cir ing 50m transect	used forest	
efinitions ominance stimated cover falker & Hopki /&H Crown co /&H Crown co / Om Transect ofnt	Tree height (clino) from d = dominant; c = co r I = isolated (0.2-2%); v ns height classes: 1-3m von: <0.2% = isolated fro 10 Points - Fo Canopy % (photos)	n bottom of slop tominant; s = si v = very sparse i = dwarf; 3-6m = ies or clumps; 0 kliage Projective	 e distance fro ubdominent; e = (2-20%); s = spa tiow; 8-12m = m (2-20%) = open v e Cover 	nce from tree x (top?) om tree x (top?) - bot associated arso (20-50%); m = n nd-high; 12-20m = ta woodland; 20-50% = Ground cover tally - every 1m record	Sub. Sub. tom%) tom%) nid dense (50-80%); it 20-35m = very talt woodland; 50-80% = sheet, 50 points alc if plant intersects (f	>35m = extremely tall open forest; 80-100% = cir ing 50m transect	osed forest	
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efinitions ominance stimated cover falker & Hopki /&H Crown co /&H Crown co / // Transect ofint m Jm	Tree height (clino) from d = dominant; c = co r I = isolated (0.2-2%); v ns height classes: 1-3m von: <0.2% = isolated fro 10 Points - Fo Canopy % (photos)	n bottom of slop tominant; s = si v = very sparse i = dwarf; 3-6m = ies or clumps; 0 kliage Projective	 e distance fro ubdominent; e = (2-20%); s = spa tiow; 8-12m = m (2-20%) = open v e Cover 	nce from tree x (top?) om tree x (top?) - bot associated arso (20-50%); m = n nd-high; 12-20m = ta woodland; 20-50% = Ground cover tally - every 1m record	Sub. Sub. tom%) tom%) nid dense (50-80%); it 20-35m = very talt woodland; 50-80% = sheet, 50 points alc if plant intersects (f	>35m = extremely tall open forest; 80-100% = cli ing 50m transect ilts) point		1.0 200
efnitions ominance stimated cover alter & Hopki &H Crown co M Transect om Transect on n n im	Tree height (clino) from d = dominant; c = co r I = isolated (0.2-2%); v ns height classes: 1-3m von: <0.2% = isolated fro 10 Points - Fo Canopy % (photos)	n bottom of slop tominant; s = si v = very sparse i = dwarf; 3-6m = ies or clumps; 0 kliage Projective	 e distance fro ubdominent; e = (2-20%); s = spa tiow; 8-12m = m (2-20%) = open v e Cover 	nce from tree x (top?) om tree x (top?) - bot associated arso (20-50%); m = n nd-high; 12-20m = ta woodland; 20-50% = Ground cover tally - every 1m record	Sub. Sub. tom%) tom%) nid dense (50-80%); it 20-35m = very talt woodland; 50-80% = sheet, 50 points alc if plant intersects (f	>35m = extremely tall open forest; 80-100% = cli ing 50m transect ilts) point	osed foreal	1.0 200
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efnitions ominance stimated cover atker & Hopki &H Crown op Mr Transect olint n n lim im im im	Tree height (clino) from d = dominant; c = co r I = isolated (0.2-2%); v ns height classes: 1-3m von: <0.2% = isolated fro 10 Points - Fo Canopy % (photos)	n bottom of slop tominant; s = si v = very sparse i = dwarf; 3-6m = ies or clumps; 0 kliage Projective	 e distance fro ubdominent; e = (2-20%); s = spa tiow; 8-12m = m (2-20%) = open v e Cover 	nce from tree x (top?) om tree x (top?) associated anso (20-50%); m = n nd-high; 12-20m = ta woodland; 20-50% = Ground cover tally - every 1m record Net/ve grass tally - Math	Sub. Sub. tom%) tom%) nid dense (50-80%); it 20-35m = very talt woodland; 50-80% = sheet, 50 points alc if plant intersects (f	>35m = extremely tall open forest; 80-100% = cir ing 50m transect its) point 		80%
efnitions ominance stimated cover atker & Hopki &H Crown cov M Transect oint on im im im im im	Tree height (clino) from d = dominant; c = co r I = isolated (0.2-2%); v ns height classes: 1-3m von: <0.2% = isolated fro 10 Points - Fo Canopy % (photos)	n bottom of slop tominant; s = si v = very sparse i = dwarf; 3-6m = ies or clumps; 0 kliage Projective	 e distance fro ubdominent; e = (2-20%); s = spa tiow; 8-12m = m (2-20%) = open v e Cover 	nce from tree x (top?) om tree x (top?) associated anso (20-50%); m = n nd-high; 12-20m = ta woodland; 20-50% = Ground cover tally - every 1m record Net/ve grass tally - Math	L SUB. 6 + bollom%) tom%) nid dense (50-80%); 81; 20-35m = very lalt woodland; 50-80% = sheet, 50 points alc if plant intersects (f	>35m = extremely tall open forest; 80-100% = cir ing 50m transect its) point 		1.0 55
efnitions ominance stimated cover falker & Hopkit f&H Crown op 0m Transect olnt m 0m Transect olnt m 0m Transect olnt m 0m Transect olnt m 0m Transect olnt 0m Transect olnt 0m Transect 0m Transect 0	Tree height (clino) from d = dominant; c = co r I = isolated (0.2-2%); v ns height classes: 1-3m von: <0.2% = isolated fro 10 Points - Fo Canopy % (photos)	n bottom of slop tominant; s = si v = very sparse i = dwarf; 3-6m = ies or clumps; 0 kliage Projective	 e distance fro ubdominent; e = (2-20%); s = spa tiow; 8-12m = m (2-20%) = open v e Cover 	nce from tree x (top?) om tree x (top?) associated anso (20-50%); m = n nd-high; 12-20m = ta woodland; 20-50% = Ground cover tally - every 1m record Net/ve grass tally - Math	L SUB. 6 + bollom%) tom%) nid dense (50-80%); 81; 20-35m = very lalt woodland; 50-80% = sheet, 50 points alc if plant intersects (f	>35m = extremely tall open forest; 80-100% = cir ing 50m transect its) point 		80%
efnitions ominance stimated cover atker & Hopkit &H Crown op m Transect sint n m Transect sint n m m m m m m m m m m m m m m	Tree height (clino) from d = dominant; c = co r I = isolated (0.2-2%); v ns height classes: 1-3m von: <0.2% = isolated fro 10 Points - Fo Canopy % (photos)	n bottom of slop tominant; s = si v = very sparse i = dwarf; 3-6m = ies or clumps; 0 kliage Projective	 e distance fro ubdominent; e = (2-20%); s = spa tiow; 8-12m = m (2-20%) = open v e Cover 	nce from tree x (top?) om tree x (top?) associated anso (20-50%); m = n nd-high; 12-20m = ta woodland; 20-50% = Ground cover tally - every 1m record Net/ve grass tally - Math	L SUB. 6 + bollom%) tom%) nid dense (50-80%); 81; 20-35m = very lalt woodland; 50-80% = sheet, 50 points alc if plant intersects (f	>35m = extremely tall open forest; 80-100% = cir ing 50m transect its) point 		80%
efnilions ominance stimaled cover faker & Hopki f&H Crown cov f&H Crown cov f&H Crown cov f&H Crown cov f&H Crown cov f&H Crown cov f f&H Crown cov f f&H Crown cov f f f f f f f f f f f f f f f f f f f	Tree height (clino) from d = dominant; c = co-c r I = isolated (0.2-2%); v ns height classes: 1-3m ver. <0.2% = isolated tre 10 Points - Fo Canopy % (photos) 0	n bottom of slop tominant; a = si v = very sparse i = dwarf; 3-8m = ies or clumps; 0 sliage Projective Midstorey % C.	e = distance fro ubdominent; a = (2-20%); s = spa t low; 8-12m = m (2-20% < open (t low; 8-12m = m (2-20% < open (t low; 8-12m = m (2-20%); s = spa t low; 8-12m = m (2-20%); s = spa (2-20%);	nce from tree x (top?) om tree x (top?) associated anso (20-50%); m = n nd-high; 12-20m = ta woodland; 20-50% = Ground cover tally - every 1m record Net/ve grass tally - Math	L SUB. 6 + bollom%) tom%) nid dense (50-80%); 81; 20-35m = very lalt woodland; 50-80% = sheet, 50 points alc if plant intersects (f	>35m = extremely tall open forest; 80-100% = cir ing 50m transect its) point 		80%
efnitions ominance stimated cover faker & Hopki faker & Ho	Tree height (clino) from d = dominant; c = co-c r I = isolated (0.2-2%); v ns height classes: 1-3m ven: <0.2% = isolated from 10 Points - Fo Canopy % (photos)	n bottom of slop tominant; s = si v = very sparse i = dwarf; 3-6m = ies or clumps; 0 kliage Projective	e = distance fro ubdominent; a = (2-20%); s = spa t low; 6-12m = m ;2-20% < open v e Cover Exotic %	nce from tree x (top?) om tree x (top?) associated anso (20-50%); m = n nd-high; 12-20m = ta woodland; 20-50% = Ground cover tally - every 1m record Net/ve grass tally - Math	L SUb. 6 + boltom%) tom%) nid dense (50-80%); it: 20-35m = very talt woodland; 50-80% = sheet, 50 points alc if plant intersects (f 	>35m = extremely tall open forest; 80-100% = cir ing 50m transect its) point 		80%
efinitions ominance stimated cover falker & Hopkit /&H Crown co- /&H Crown co- /&H Crown co- /&H Crown co- // /&H Crown co- // // // // // // // // // // // // //	Tree height (clino) from d = dominant; c = co-c r I = isolated (0.2-2%); v ns height classes: 1-3m ven: <0.2% = isolated fro 10 Points - Fo Canopy % (photos) 0 0 0 0 0 0 0 0 0 0 0 0 0	n bottom of slop fominant; a = si v = very sparse i = dwarf; 3-8m = ies or clumps; 0 Niage Projective Midstorey %	e = distance fro ubdominent; a = (2-20%); s = spa t low; 6-12m = m ;2-20% < open v e Cover Exotic %	nce from tree x (top% am tree x (top% - bot associated area (20-50%); m = n nd-high; 12-20m = ta woodland; 20-50% = Ground cover tally - every 1m record Netive grass tally - Mative other (herb,	L SUb. 6 + boltom%) tom%) nid dense (50-80%); it: 20-35m = very talt woodland; 50-80% = sheet, 50 points alc if plant intersects (f 	>35m = extremely tall open forest; 80-100% = cir ing 50m transect its) point 		80%. Total (hits/50) 2.%
efinitions ominance stimated cover falker & Hopkit /&H Crown co- /&H Crown co- /&H Crown co- /&H Crown co- // /&H Crown co- // // // // // // // // // // // // //	Tree height (clino) from d = dominant; c = co-c r I = isolated (0.2-2%); v ns height classes: 1-3m ven: <0.2% = isolated from 10 Points - Fo Canopy % (photos)	n bottom of slop fominant; a = si v = very sparse i = dwarf; 3-8m = ies or clumps; 0 Niage Projective Midstorey %	e = distance fro ubdominent; a = (2-20%); s = spa t low; 8-12m = m :2-20% < open (e Cover Exotic % ()	nce from tree x (top% am tree x (top% - bot associated area (20-50%); m = n nd-high; 12-20m = ta woodland; 20-50% = Ground cover tally - every 1m record Netive grass tally - Mative other (herb,	L SUb. 6 + boltom%) tom%) nid dense (50-80%); it: 20-35m = very talt woodland; 50-80% = sheet, 50 points alc if plant intersects (f 	>35m = extremely tall open forest; 80-100% = cir ing 50m transect its) point 		80%. Total (hits/50) 2.%
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efnitions ominance stimated cover falker & Hopkil (&H Crown por (&H Crown por (&H Crown por (%H Crown por (%H Crown por (%H Crown por (%H Crow	Tree height (clino) from d = dominant; c = co-c r I = isolated (0.2-2%); v ns height classes: 1-3m von: <0.2% = isolated fro 10 Points - Fo Canopy % (photos) 0 0 0 0 0 0 0 0 0 0 0 0 0	n bottom of slop fominant; a = si v = very sparse i = dwarf; 3-8m = ies or clumps; 0 Niage Projective Midstorey %	e = distance fro ubdominent; a = (2-20%); s = spa t low; 8-12m = m :2-20% < open (e Cover Exotic % ()	nce from tree x (top% am tree x (top% - bot associated area (20-50%); m = n nd-high; 12-20m = ta woodland; 20-50% = Ground cover tally - every 1m record Netive grass tally - Mative other (herb,	L SUb. 6 + boltom%) tom%) nid dense (50-80%); it: 20-35m = very talt woodland; 50-80% = sheet, 50 points alc if plant intersects (f 	>35m = extremely tall open forest; 80-100% = cir ing 50m transect its) point		80%. Total (hits/50) 2.%

Regen - no compy X

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ite ID: 39 DNg	Cover	Abund.	Species		10	Cover	Abund.
species		200+	41			0010	ris aris:
Themeda tri	- 6	190+	62				
Briza sub.	1	1907	13		-		
Glyine tabaena. Paspaline dialation	-	20+	44				
Tappin dialann	32	20+	40				
Vereena	2	201	46				
Planteco lancoblata Hyportous radicata	2	201	ep.				
Hyporkon's radicata	1	291					
Centerium	1	- 1-	4Q				
Scorlet propernell	15	20+	50				
· Stano'	×	2.94	50				
Scarlet propernell Stano Rosa ribignosa Qualis perginas	1. 5	++	p1				
· graus peranan	F /	1 1	53				
· Cilyon chapleshas	F /	2					
+ FUCAMPTUS + DIPARCING	F /	-3	54				-
· Remed conjustic	1 1	1	56				
· Arishda kamosa	+ /		57				
7	-		58				
			69				
n.			00				
1			61				
9			82.				
2			63				
4			64				
0			85				
10			e0.				
0			87				
15			66				
20			02				
20			79				
21			71				
32			72				
23			73				
94			74				
33			75				-
35			76				
17			77				
28			76				
59			79			-	
eq			80				-
Sp. Richness Native Exotic		ar % 1x1 plots	Q1	Q2	Q3	Q4	Q6
Tree	Native pera	and the second second					
Shrub /	Native other	-					-
Grass (annual)	Native forb	ter a series and series					-
Grass (perennial)	Native shru		-				-
Other (annual)	Exotic grass	and the second se					
Other (perennial)	Exotic forb		+ +				-
	Leaf & stick Rocks	aller.	1 1				-
Cover abundance scale	Bare ground	4	1 1			1	
	Cryptogam:						
Modified Braun-blanquet 6 scale	Total		100	100	100	1	00 1
1 <5% = rare	Plot Disturb	ance			Fire damage:		parallel in the second s
No. 1984 Contract Contract	Clearing (in	Collection of the			Storm damage:		
2 <5% - common 3 5 - 25%	and the second second second	(inc. pasture)			Trampling:		
3 5-25% 4 25-50%	Soil erosion	the second s			Flood damage:		
4 25-004 5 50-75%	Firewood c				Feral herbivores:		
6 75 - 100%	Stock grazi				Other:		
AN CONTRACTOR		-					

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ING	sza N	rod/c	icod-	- High BioBanking Field Sheet
,	JAC	OB	S	- High BioBanking Field Sheet Shale Hills - mod good - High
Survey Site	Form - BioBank	ing	-	Site ID: 33.2. Vegetation zone: OPW - HL115
ale	21/1/20			surveyorist Lukas dews
aypoint ID	769			Photo numbers 2316 to 2219
Coordinates	E 02859			Photo direction N E S W
	N 6246	the second s		
apped Veget ope:/Gentle/	the second s	PW Aspect (degr	rees or cardin	nal): Who cares Altitude: 94 M.
				y, flat, degression, watercourse, escarpment, terrace
eology: basa	all, granite, conglomera	te, sandstone, :	ailtstone/muds	tone, shale, alluvium, limestone, metamorphics, gravel, ?
oil type: san	d, loam(clay) organic, (gravel, skeletal,	. 7	Söll disturbance: intact, jopsoil removed, fil
emnant) Øld	growth (uncleared):	Yes / No / Un	and the second division of the	
		Open fer	T	Ecologically Dominant Layer (EDL) - most biomess = Carepy
Strata	Height interval	Median	Est cover	Dominant Species & Dominance
Е				
E				
		1	1	Eucalyphis molociana.
Τ1	15-25	20		Euclusia deservarias
				<i>IP I</i>
T2		1		
тз		1		
10902				
	10 V			Afran due Bisaria spin
S1	1.6	4		lantana rom E. moloceana
	1	<u> </u>		Africa bouthoin
-				
S2	-			
		<u> </u>		Millo, Stip.
G	0 - 1			Sida vhorub.
340	- /			Congra
	Tree height (clino) leve	I ground or lop	of slope = dista	nce from tree x (top% + bottom%)
	Tree height (clino) from	n bottom of slop	e = dislance fr	om Irae x (lop% - bottom%)
efinitions				
estimated cover	d = dominant; c = co-d	1	84280 S	• associated arse (20-50%); m = mid dense (50-80%); d = dense (80-100%)
analog cover	1 - monanos (o.e.e.m), v	, – sery sherae (iv an uit e – eh	arse (ser-on vi); in - min delibe (on-on vi); o = delibe (an-ion vi)
alker & Hopkir	ns height classes: 1-3m	= dwarf; 3-6m =	kw; 6-12m ≈ r	nid-high; 12-20m = lait; 20-35m = very tait; >35m = extremely tail
				woodland; 20-50% = woodland; 50-80% = open forest; 80-100% = closed forest
			a 1945 - 11 (294).	
m Transect		ilage Projective		Ground cover tally sheet, 50 points along 50m transect
pint	Canopy % (photos)	Midstorey %	Exotic %	every 1m record if plant intersects (hits) point
n Xm	30	0	0	Native gress laity - Total (hits/50)
m m	10	0	0	HT HT HT HT II
		0	0	1 447
945	E,			1
n	40	0	40	
n	40	0	40	Native other (herb, fern, sedge, etc) tally - Total (his/50)
n n	-			Native other (herb, fern, sedge, etc) taily - Total (hits/50)
n n n	10	Ö	0	HT HT W
m m m m m	10	0 50	0	Native other (herb, fern, sedge, etc) taily - HTHT 261,
ฑ ฑ ฑ ฑ ฑ	10000	0 50	0000	HT HT W
km km km km km km km ktal (sum / 10)	10 10 00 00 00 00	0 50	0	HT HT W
km km km km km km ktal (sum / 10) urger 50 x 20m	10 10 0)= 11.5 трюі	00000	000005	MT_HT_11 267, Native shrub fally - Total (hits/50)
km km km km km km ktal (sum / 10) arger 50 x 20m	10 10 00 00 00 00	00000	0000	州州111 267,
hm hm hm hm hm htal (sum / 10) htal (sum / 10) htal (sum / 10) htal (sum / 10)	10 10 0 0 0 0 0 0 0 0 0 0 0 0 0	0 50 60 0 11	0 0 0 4 11:5m	Ш. 267, Native shrub tally - Тотан (http:/50) 07,
n n n n al (sum / 10) ger 50 x 20n geh of wood	10 10 0)= 11.5 трюі	0 50 60 0 11	000005	MT_HT_11 267, Native shrub fally - Total (hits/50)

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12:21 PM12/01/2016



Wallowing exclusion was up	10	1	10			0	Aburd
Species	Cover	Abund.	Species			Cover	Abund.
Eurolyptus tereticomis	-2	2	August and a second sec	on spear		+ /.	12
Eucalizatus molluccara	- 5	29	47 / VICON		alior	- /	6
olea " europoea	3	5			manium	- /	2
Canyea baraiensis	3	59		1 piniper		1	1
Citsium vulgare	2	4	45 Rusan	a colno	sa	+ /	2
Sdawn evedely age	1	1	a Brother	ochloa.	maria	+ 1	10
Pleatractly parrillow	5-2	207	* Tymbo	actus la	unsen.	- 1	2
Commelina 'cyanea	+ 2	201	40 Maylli	anthes	30	- 1	1
Centella asiatica	- 1	1	· chila	Res 0	idei	+ 1	1
oxalis percuras	- 1	1	20		Penticocc		
Sida Manhifolia	- 7	zot	81				
alycine tabación	+ 7	204	82				
Microlaena stippids	+5	2004	53				
and spermin rectally		1at	54				
Assenta confeta	-2	202	63			-	_
Screepo madasasadas	7	204	60			_	
Platago Jonice lan	1	7.04				-	_
		Zot				1	_
	1	1 2001-	80.			-	
repidiu ahicony	- 1	11					
rynoalossen andrale	- 1	1	e0				
caesia se	T al	1	81.				
Dicondea Tepens	1.1	20+	82				
Elndia trigonos (salthe	1	1	63				-
Madiala	12	20+	64			_	_
Convolvulous erubesens	- 1	1	60				
Bidens plasa	2	2	60				
Alrican baxyhoin	2	2	67				
Avstrodanthoria tenvoir	+ 2	20+	68				
Cyperus procedis	- 2	201	69				
Allenanthera denticula	10- 1	2	70				
Sigesheckia orientalis	- 1	1	21				
Remar brownie	- 1	1	72				
finadia polyangoide	1-2	20 F	73				
Kohinopopert nouspitosis	+ 1	3	24				
Passalibright SN.	+ 2	201	25				
Cuperus (small)	- 1	1	26				
Selama SP	2	20+	77				
Chloris vehirosa	1 8	20+	2ne				
Plantano gordychordi	+ 7	R	79				
Opurtie Stricta	7	19	80				
oporora princia	Ground Imu	er % 1x1 plots	Q1	Q2	03	Q4	Q5
ats	_		- ur	346		- Cart	
	Native pere					-	-
hrus RA	Native othe				-	-	-
rass (annual)	Native forb				_	-	
rass (perennial)	Native shru						
ther (annual)	Exotic gras	and the same second					
ther (perennial)	Exotic forb						
	Leaf & stick	itter					_
	Rocks				_		
Cover abundance scale	Bare groun		_				
Modified Braun-blanquet 6 scale	Cryptogam	5			1		
	Total		100		100 1	00	100
1 <5% - rare	Plot Disturb	lance			Fire damage:		
2 <5% - comman	Clearing (in	ic. logging):			Storm damage:	î	
3 5 - 25%	Cultivation	(inc. pasture):			Trainpling:		
4 25 - 50%	Soil erosion	1:			Flood damage:		
5 50 - 75%	Firewood c	ollection			Feral herbivores	K.	

μN	529	Mod/Good -	High
			Bic

-	nyo	101
		BioBanking Field Sheet
	1.1.1.1.1.1	1 11-1

	Form - BioBank	ina		Site ID: 34 - 1	Vegetation zone:	CPW C		vali
Date	20/1/	2016		Surveyor(s):		CAW C	iound	-
Vaypoint ID		58		Photo numbers	cas news	1		-
		85 29	[-	-
Coordinates		469	\$4	Photo direction N	E	s	w	
apped Veget	and the second se	the second se		Condition:		Low	Moderood	-
lope: Genile,		A REAL PROPERTY AND ADDRESS OF TAXABLE PARTY.	rees or cardin				in the second	-
opography:	crest, ridge, upper slop	e, mid slope, d	awn slope, gul	flat_depression, watercourse, esca	arpment, terrace			-
eology: basa	alt, granite, congipmera	le, sandstone,	siltstone/muds	ne, state alluvium, limestone, met	amorphics, gravel, 7			-
	d. loam, clay, organic, g			Soil disturbance: intact, topsoil re	The second second second second second	1		-
emnant / Old	growth (uncleared):	Yes Way Un	idecided?	Youra tra	e 5			-
egetative Stru	ucture (formation) = 🥖	in fer	est-	Ecologically Dominant Layer (EDL)		and a		
Strata	Height interval	Median	Est. cover	Dominant Species & Dominance		1		-
			1					
E	23							
10								
2523332	Careera - Conservation			Eurolyph S	+ techicar	nis		
T1	15 25m	20.		Ruralyphit	nollica	19		
	10 0-14	LUM		111		Actail-		
1200								
T2								
-								
T3	· • •							_
				21				_
S1	1 1			Burcana	PLACER			-
51	1.6m			dea eno	rolea sil	rep. cusp	idata	-
		2			-			-
S2	12							-
02								-
			<u> </u>	Microl den a	stipoida	c		-
G	0-02		9,5%	MUCHEL BEACH	shpoide	2		-
	1 1 7 7 7		111					-
	0-02		250.08					
		ground or top (2880	e from Iree x (top% + bottom%)				-
	Tree height (clino) leve		of slope = dista	e from tree x (top% + bottom%) t tree x (top% - bottom%)				
efinitions	Tree height (clino) leve		of slope = dista	일을 잘 하는 것은 것은 것은 것을 많은 것이 같아요.				
efinitions aminance	Tree height (clino) leve	bottom of slop	of slope = dista e = distance fr	tree x (top% - bottom%)				
sminance	Tree height (clino) lave Tree height (clino) from d = dominant; c = co-de	bottom of slop	of slope = dista e = distance fr /bdominant; a =	tree x (top% - bottom%)	i); d = dense (80-100%)			
sminance	Tree height (clino) lave Tree height (clino) from d = dominant; c = co-de	bottom of slop	of slope = dista e = distance fr /bdominant; a =	tree x (top% - bottom%)	i); d = dense (80-100%)			
minance fimated cover alker & Hopkin	Tree height (clino) leve Tree height (clino) from d = dominant; c = co-de 1 = isolated (0.2-2%), v is height classes: 1-3m	bottom of slop ominant; s = su = very sparse (= dwarf; 3-6m =	of slope = dista e = distance fin abdominant; a = 2-20%; s = spi low; 8-12m = n	t Iree x (top% - bottom%) ssociated te (20-50%); m = mid dense (50-80% -high; 12-20m = tall; 20-35m = very t	ali; >35m = extremely tali			
minance fimated cover alker & Hopkin	Tree height (clino) leve Tree height (clino) from d = dominant; c = co-de 1 = isolated (0.2-2%), v is height classes: 1-3m	bottom of slop ominant; s = su = very sparse (= dwarf; 3-6m =	of slope = dista e = distance fin abdominant; a = 2-20%; s = spi low; 8-12m = n	t tree x (top% - bottom%) ssociated te (20-50%); m = mid dense (50-80%	ali; >35m = extremely tali	10 forest		
minance timated cover alker & Hopkin SH Crown cov	Tree height (clino) leve Tree height (clino) from d = dominant; c = co-di i = isolated (0.2-2%); v is height classes: 1-3m rer: <0.2% = isolated tree	bottom of slop ominant; s = su = very sparse (= dwarf; 3-6m = as or clumps; 0.	of slope = distance fin e = distance fin lbdominant; a = 2-20%; s = spi low; 8-12m = n 2-20% = open	t Iree x (top% - bottom%) socciated (50-50%); m = mid dense (50-80%) (high; 12-20m = tall; 20-35m = very t ocdand; 20-50% = woodland; 50-80%	ali; >35m = extremely tali 6 = open forest; 80-100% = olose	ið forest		
minance limated cover liker & Hopkin MH Crown cov m Transect	Tree height (clino) leve Tree height (clino) from d = dominanti, c = co-di i = isolated (0.2-25%) v is height classes: 1-3m rer: <0,2% = isolated tree 10 Points - Fo	bottom of slop ominant; s = su = very sperse (= dwarf; 3-6m = as or clumps; 0. liage Projective	of slope = dista e = distance fr lbdominant; a = 2-20%; s = sp low; 8-12m = a 2-20% = open s Cover	t Iree x (top% - bottom%) ssociated te (20-50%); m = mid dense (50-80% -high; 12-20m = tall; 20-35m = very i vedland; 20-50% = woosland; 50-80% 3round cover tally sheet, 50 points	ali; >35m = extremely tali 6 = open forest; 80-100% = close along 50m transect	ið forest		
iminance ilimated cover elker & Hopkin &H Crown cov im Transect sint	Tree height (clino) leve Tree height (clino) from d = dominant; c = co-di i = isolated (0.2-2%); v is height classes: 1-3m rer: <0.2% = isolated tree	bottom of slop ominant; s = su = very sperse (= dwarf; 3-6m = as or clumps; 0. liage Projective Midstorey %	of slope = dista e = distance fin lodominaint; a = 2-20%; s = spi low; 8-12m = a 2-20% = open s Cover Exotic %	t Iree x (top% - bottom%) ssociated te (20-50%); m = mid dense (50-80% -high; 12-20m = tall; 20-35m = very t vodand; 20-50% = woodand; 50-80% 3round cover tally sheet, 50 points - every 1m record if plant intersects	ali; >35m = extremely tali 6 = open forest; 80-100% = close along 50m transect	ið forest		
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sminance stimated cover alker & Hopkin &H Crown cov Dm Transect pint m bint m bin bin bin bin bin bin bin	Tree height (clino) leve Tree height (clino) from d = dominant; c = co-di 1 = isolated (0.2-2%), v is height classes; 1-3m = rer: <0.2% = isolated tree 10 Points - Fo Canopy % (photos) S Z D S	bottom of slop minant; s = su = very sperse (= dwarf; 3-6m = as or clumps; 0 liage Projective Midstorey % 0 40 40 40 40 40 40 40 40 40	of slope = dista e = distance in lbdominant; a = 2-20%; s = spi low; 8-12m = n 2-20% = open cover Exotic % 0 10 0	t Iree x (top% - bottom%) ssociated te (20-50%); m = mid dense (50-80% -high; 12-20m = tall; 20-35m = very t vodand; 20-50% = woodand; 50-80% 3round cover tally sheet, 50 points - every 1m record if plant intersects	ali; >35m = extremely tali 6 = open forest; 80-100% = close along 50m transect	- ++++- [[]	Total (hits/50) 56%	
iminance ilimated cover alker & Hopkin &H Crown cov im Transect init n m m m m m m	Tree height (clino) leve Tree height (clino) from d = dominant; c = co-di l = toolated (0.2-2%); v is height classes: 1-3m rer: <0.2% = isolated tree 10 Points - Fo Canopy % (photos) S Z D S S	bottom of slop environment, s = su e very sperse (dwarf; 3-6m = as or clumps; 0. liage Projective Midstorey % 0 0 0 0 0 0 0 0 0 0 0 0 0	of slope = dista e = distance in bdominant; a = 2-20%; s = spi low; 8-12m = n 2-20% = open s Cover Exotic % 10 0	I Iree x (top% - bottom%) ssociated te (20-50%); m = mid dense (50-80% - high; 12:20m = tail; 20-35m = very t bodiand; 20-50% = woodiand; 50-80% - avery 1m record if plant intersects - every 1m record if plant intersects lative grass taily - 4444 - 44	ali; >35m = extremely tai 6 = open forest; 80-100% = close along 50m transect i (hits) point H+ H+ H++ H+	nd foress 	56%	
iminance ilimated cover alker & Hopkin &H Crown cov im Transect alm m m m m m m m m m	Tree height (clino) leve Tree height (clino) from d = dominant; c = co-di l = isolated {0.2-2%; v is height classes: 1-3m rer: <0.2% = isolated tree 10 Points - Fo Canopy % (photos) S ZO ZO S S	bottom of slop ominant; s = su = very sperse (= dwarf; 3-6m = es or clumps; 0. Midstorey % 0. 6.0 4.0 4.0 1.0	of slope = dista e = distance in bdominant; a = 2-20%; s = spi low; 8-12m = n 2-20% = open cover Exotic % 0 10 0	t Iree x (top% - bottom%) ssociated te (20-50%); m = mid dense (50-80% -high; 12-20m = tall; 20-35m = very t vodand; 20-50% = woodand; 50-80% 3round cover tally sheet, 50 points - every 1m record if plant intersects	ali; >35m = extremely tai 6 = open forest; 80-100% = close along 50m transect i (hits) point H+ H+ H++ H+	or fores: 	1000000000	
minance dimated cover alker & Hopkin &H Crown cov m Transect bint n m m m m m m m m m m m m m m	Tree height (clino) leve Tree height (clino) from d = dominant; c = co-di l = isolated (0.2-2%); v is height classes: 1-3m rer: <0.2% = isolated tree 10 Points - Fo Canopy % (photos) S Z Z S S C C	bottom of slop ominant; s = su = very sperse (= dwarf; 3-6m = es or clumps; 0 hidstorey % 0 6.0 10 10 10	of slope = dista e = distance fin lbdominant; a = 2-20% s = spi low; 8-12m = n 2-20% = open a Cover Exotic % 0 0 0 0 0 0 0 0 0 0 0 0 0	I Iree x (top% - bottom%) ssociated te (20-50%); m = mid dense (50-80% - high; 12:20m = tail; 20-35m = very t bodiand; 20-50% = woodiand; 50-80% - avery 1m record if plant intersects - every 1m record if plant intersects lative grass taily - 4444 - 44	ali; >35m = extremely tai 6 = open forest; 80-100% = close along 50m transect i (hits) point H+ H+ H++ H+	10 forest 	56% Total (hits/50)	
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Grass (annual)	902		Native forb 8			-		-		-		
Grass (perennial)	- 6		Native shrub	4		-		-		-		
Olher (annual)	28		Exotic grass		-	-				-		
Other (perennial)	-0		Exotic forb 8		-	-				-		
			Leaf & stick	etter		-		-		-		-
1.000		1020	Rocks			-		-		-		
	r abundance		Bare ground		-	-		-		1		
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1 S. 1	<5% - rare		Plot Disturba			_		-	Fire damage:			
2	<5% - commo	20	Clearing (inc					_	Storm damage:			
9230 10	5 - 25%		Cutivation (I	inc. pasture):		_		-	Trampling:			
1 <u>19</u> 10 (1			10 m 10									
4	25 - 50% 50 - 75%		Soll erosion Firewood co	Carrier and Carrier				-	Flood damage: Feral herbivores:			

HNSZA Mod/Good- High

BioBanking Field Sheet

Vegetation zone:

CPW

CPW

Site ID:

PZ

Entered

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Survey Site Form - BioBanking

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aypoint ID	805	5		Photo numbers	idrae.			
Coordinates	E 0285	779		Photo direction	N	E	s	w
	and shares a	4812		Contraction of the state		-		
lapped Vege	Mod, Steep	CPV	rees or cardin	-	Condition:		Low	Mod-good)
1.1.1		and the second second second		and the second s	Altitude: C watercourse, escarpment,	1m Ierrace		
					n, limestone, metamorphé		_	
	d, loam, clay, organic, g				: intact, topsoil removed,		-	
	growth (uncleared):	Yes/Ng/Ur						
_	ucture (formation) = Ø			Ecologically Dom	inant Layer (EDL) - most t	biomass = /	rout	
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				Euroly	inters much	Luciona		
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initions minance mated cover inter & Hopkit H Grown co In Transect Int Int Int Int Int Int Int Int Int In	Tree height (cline) level Tree height (cline) from d = dominant; c = co-do r I = isolated (0.2-2%); v hs height classes; 1-3m = ver: <0.2% = isolated tree 10 Points - Fol Canopy % (photos) C C C C C C C C C C C C C	ground or top bottom of slop aminant; a = su = very sparse (dwarf; 3-5m = es or clumps; 0 lage Projective Midstorey % 10 2,0 4,0 0 10 2,0 5	of slope – distance fro ibdominant; a = 2-20%); s = spa low; 8-12m = m 2-20% = open w s Cover Exotic % 0 0 0 0 0 0 0 0 0 0	Contract of the second	6 + bottom%) nid dense (50-80%); d = de al; 20-35m = very tal; >35m woodiand; 50-80% = open sheet, 50 points along 50 if plant intersects (hits) pr HHH HH	mae (80-100%) 1 = extremely tall forest; 80-100% = clo Im transect	hinka, Willie	Total (hits/50) - 602 Total (hits/50)
initions minance mated cover inter & Hopkit H Grown co In Transect Int Int Int Int Int Int Int Int Int In	Tree height (cline) level Tree height (cline) from d = dominant; c = co-do r I = isolated (0.2-2%); v ns height classes: 1-3m = ver: <0.2% = isolated tree 10 Points - Fol Canopy % (photos)	ground or top bottom of slop aminant; e = su = very sparse (dwarf; 3-5m = es or clumps; 0 liage Projective Midstorey % 10 20 40 60 10 10 20	of slope – distan e = distance fro ibdominant; a = . 2-20%), s = spa low; 6-12m = m 2-20% = open w s Cover Exo8c % 0 0 0 0 0 0 0 0 0	Contract of the second	6 + bottom%) nid dense (50-80%); d = de al; 20-35m = very tal; >35m woodiand; 50-80% = open sheet, 50 points along 50 if plant intersects (hits) pr HHH HH	mae (80-100%) 1 = extremely tall forest; 80-100% = clo Im transect	hinka, Willie	Total (hits/50)
fnitions minance limated cover liker & Hopki IH Grown co m Transect int m m m m m m m m m m m m m m	Tree height (cline) level Tree height (cline) from d = dominant; c = co-do r I = isolated (0.2-2%); v hs height classes; 1-3m = ver: <0.2% = isolated tree 10 Points - Fol Canopy % (photos) C C C C C C C C C C C C C	ground or top bottom of slop aminant; a = su = very sparse (dwarf; 3-5m = es or clumps; 0 lage Projective Midstorey % 10 2,0 4,0 0 10 2,0 5	of slope – distance fro ibdominant; a = 2-20%); s = spa low; 8-12m = m 2-20% = open w s Cover Exotic % 0 0 0 0 0 0 0 0 0 0	Contract of the second	6 + bottom%) nid dense (50-80%); d = de al; 20-35m = very tal; >35m woodiand; 50-80% = open sheet, 50 points along 50 if plant intersects (hits) pr HHH HH	mae (80-100%) 1 = extremely tall forest; 80-100% = clo Im transect	hinka, Willie	Total (hits/50) - 602 Total (hits/50)
finitions minance Eimated cover alker & Hopki sH Grown co m Transect int m m m m m m m m m m m m m m m m m m	Tree height (cline) level Tree height (cline) from d = dominant; c = co-do r I = isolated (0.2-2%); v hs height classes; 1-3m = ver: <0.2% = isolated tree 10 Points - Fol Canopy % (photos) S C C C C C C C C C C C C C	ground or top bottom of slop aminant; e = su = very sparse (dwarf; 3-5m = es or clumps; 0 lage Projective Midstorey % 10 20 40 40 40 40 40 40 40 40 40 40 40 40 40	of slope - distance e = distance fro ibdominant; a = . 2-20%), s = spa kow; 8-12m = m 2-20% = open w s Cover Exotic % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Di Uno di Di Uno no fram tree x (top% m tree x (top% - bot associated rse (20-50%); m = n id-high; 12-20m = ta woodand; 20-50% = Ground cover tally - every 1m racord Native grass tally Native grass tally	6 + bettom%) item%) nid dense (50-80%); d = de al; 20-35m = very tal; >35m woodiand; 50-80% = open sheet, 50 points along 50 if plant intersects (hits) pr HHH HHH fern, sedge, etc) tally -	mae (80-100%) 1 = extremely tall forest; 80-100% = clo Im transect	hinka, Willie	Total (hits/50) Total (hits/50) Total (hits/50) 267.
finitions minance Emated cover sker & Hopki skH Grown co m Transect int int m m m m m m m m m m m m m m m m m m m	Tree height (cline) level Tree height (cline) from d = dominant; c = co-do r I = isolated (0.2-2%); v ins height classes: 1-3m = ver: <0.2% = isolated tree 10 Points - Fol Canopy % (photos) S O O O S C O O S C O O O S C O O C O O C O C O C O C O C C C C C C C C C C C C C	ground or top bottom of slop aminant; e = su = very sparse (dwarf; 3-5m = es or clumps; 0 lage Projective Midstorey % 10 20 40 40 40 40 40 5 5	of slope - distance e = distance fro ibdominant; a = . 2-20%), s = spa kw; 8-12m = m 2-20% = open w s Cover Exotic % 0 0 0 0 0 0 0 0 0 0 0 0	Contract of the second	6 + bettom%) item%) nid dense (50-80%); d = de al; 20-35m = very tal; >35m woodiand; 50-80% = open sheet, 50 points along 50 if plant intersects (hits) pr HHH HHH fern, sedge, etc) tally -	mae (80-100%) 1 = extremely tall forest; 80-100% = clo Im transect	hinka, Willie	Total (hits/50) - 602 Total (hits/50)
fnitions minance Emated cover silver & Hopki &H Grown co m Transect int m m m m m m m m m m m m m m m m m m m	Tree height (cline) level Tree height (cline) from d = dominant; c = co-do r I = isotated (0.2-2%); v ins height classes: 1-3m = ver: <0.2% = isolated tree 10 Points - Fol Canopy % (photos) S C C C C C C C C C C C C C	ground or top bottom of slop wrinant: e = su = very sparse (dwarf; 3-6m = es or clumps; 0 liage Projective Midstorey % 10 20 40 40 40 40 40 40 40 5 40 40 40 40 40 40 40 40 40 40 40 40 40	of slope - distance e = distance fro ibdominant; a = . 2-20%), s = spa kow; 8-12m = m 2-20% = open w s Cover Exotic % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Di Uno di Di Uno no fram tree x (top% m tree x (top% - bot associated rse (20-50%); m = n id-high; 12-20m = ta woodand; 20-50% = Ground cover tally - every 1m racord Native grass tally Native grass tally	6 + bettom%) item%) nid dense (50-80%); d = de al; 20-35m = very tal; >35m woodiand; 50-80% = open sheet, 50 points along 50 if plant intersects (hits) pr HHH HHH fern, sedge, etc) tally -	mae (80-100%) 1 = extremely tall forest; 80-100% = clo Im transect	hinka, Willie	Total (hits/50) - 602 Total (hits/50) 267.
finitions eminance Emiated cover siker & Hopkin &H Crown cover m Transect int m Transect int m Transect m Transect int m Transect int m Transect int m Transect int int m Transect int m Transect m	Tree height (cline) level Tree height (cline) from d = dominant; c = co-do r I = isolated (0.2-2%); v ins height classes: 1-3m = ver: <0.2% = isolated tree 10 Points - Fol Canopy % (photos) S O O S C O O S C O O S C O O S C O O S C O O C O C O C C C C C C C C C C C C C	ground or top bottom of slop wrinant: e = su = very sparse (dwarf; 3-6m = es or clumps; 0 liage Projective Midstorey % 10 20 40 40 40 40 40 40 40 5 40 40 40 40 40 40 40 40 40 40 40 40 40	of slope - distance e = distance fro ibdominant; a = . 2-20%), s = spa kow; 8-12m = m 2-20% = open w s Cover Exotic % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Di Uno di Di Uno no fram tree x (top% m tree x (top% - bot associated rse (20-50%); m = n id-high; 12-20m = ta woodand; 20-50% = Ground cover tally - every 1m racord Native grass tally Native grass tally	6 + bettom%) item%) nid dense (50-80%); d = de al; 20-35m = very tal; >35m woodiand; 50-80% = open sheet, 50 points along 50 if plant intersects (hits) pr HHH HHH fern, sedge, etc) tally -	mae (80-100%) 1 = extremely tall forest; 80-100% = clo Im transect	hinka, Willie	Total (hits/50) - 602 Total (hits/50) 267.
finitions eminance Emated cover silver & Hopki &H Grown co m Transect int i m Transect int i m m m m m m m m m m m m m m m m m m	Tree height (cline) level Tree height (cline) from d = dominant; c = co-do r I = isotated (0.2-2%); v ins height classes: 1-3m = ver: <0.2% = isolated tree 10 Points - Fol Canopy % (photos) S C C C C C C C C C C C C C	ground or top bottom of slop wrinant: e = su = very sparse (dwarf; 3-6m = es or clumps; 0 liage Projective Midstorey % 10 20 40 40 40 40 40 40 40 5 40 40 40 40 40 40 40 40 40 40 40 40 40	of slope - distance e = distance fro ibdominant; a = . 2-20%); s = spa low; 8-12m = m 2-20% = open w a Cover Exotic % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Di Uno di Di Uno no fram tree x (top% m tree x (top% - bot associated rse (20-50%); m = n id-high; 12-20m = ta woodand; 20-50% = Ground cover tally - every 1m racord Native grass tally Native grass tally	6 + bettom%) item%) nid dense (50-80%); d = de al; 20-35m = very tal; >35m woodiand; 50-80% = open sheet, 50 points along 50 if plant intersects (hits) pr HHH HHH fern, sedge, etc) tally -	mae (80-100%) 1 = extremely tall forest; 80-100% = clo Im transect	hinka, Willie	Total (hits/50) - 602 Total (hits/50) 267.
finitions eminance Emated cover sker & Hopki &H Grown co m Transect int in m Transect int in m m m m m m m m m m m m m m m m m m m	Tree height (cline) level Tree height (cline) from d = dominant; c = co-do r I = isotated (0.2-2%); v ins height classes: 1-3m = ver: <0.2% = isolated tree 10 Points - Fol Canopy % (photos) Canopy % (photos) Canop	ground or top bottom of slop wrinant: e = su = very sparse (dwarf; 3-6m = es or clumps; 0 liage Projective Midstorey % 10 20 40 40 40 40 40 40 40 5 40 40 40 40 40 40 40 40 40 40 40 40 40	of slope - distance e = distance fro ibdominant; a = . 2-20%); s = spa low; 8-12m = m 2-20% = open w a Cover Exolic % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Di Uno A Di Uno A pice fram tree x (top% - bot associated rse (20-50%); m = n id-high; 12-20m = ta voodland; 20-50% = Ground cover tally - every 1m record Native grass tally - Native shrub tally -	6 + bettom%) item%) nid dense (50-80%); d = de al; 20-35m = very tal; >35m woodiand; 50-80% = open sheet, 50 points along 50 if plant intersects (hits) pr HHH HHH fern, sedge, etc) tally -	mae (80-100%) 1 = extremely tall forest; 80-100% = clo Im transect	hinka, Willie	Total (hits/50) Total (hits/50) Z.67. Total (hits/50) Q.7.

1:22 PM29/01/2016



ecies	Cover	Abund.	Species			Cover	Abund.
lucations tochicarnis	- 3	Sort	" Richa	dia		1	1
Bualistus rolluccon		6	a Camp			1	1
racial folliate	- 2	201-	· Acadin	datean	stars -	- /	Z
	- 1	2	4 native	Iflatu	eard -	- /	Z
	- 3	201	= Glosson		loiding -	- 1	2
landa friadsa	+ 2	2017	* Ozotha		mail Colis	- 1	1
Musepoar refractus	1	20+		wanistat		1	2
yperis congestos	12	20+	" olea a			1	1
angudo regins	- 1	5	10 Euclait	colta	iencus -	- 1	1
lectro cabiroides	The	20+	10 Phy lan			- 1	204
xalis perromant	I /	201	si lanarda	- Ciclife		- 1	1
accaring productor	- 3	101-	\$ Cuperis			- 1	1
	2	Z	w TV	the second se	tior .	- 1	1
pecio madradas de to	-2	204	M Elcoch		acilis	- 1	1
ilinite taldalcing	-5	2.0-	ss Venau			- 1	11
hibrolaera stigaides	- 2	200-	55	C. C. C. C. C.			1
allebergia aracius	- 2	204	57	1			
Incin dished >	- 1	1	98			()	
inderia vederaceae	- 7	201-	50				
Bidens pilon	17	29	60				
entella asiatica	- 2.	20+	65				
stadepoisia vininea	- 1	201	82				
trastida ucacus	- 2	201	63				
Percelair Idioly/1a	- 4	204	64			1	
Rothinghulan maira	-2	zest	65				1
Dicitatia	2	201.	TT Axone	2005			
detalather side	- 2	201-	67	4			
Evergrostis proconil	-2	201	60				
stita asstrels	+ 1	1	64				
Assenta contesta	- 1	101	70				
Zomia se	- 1	201	21				_
Hibbertia 20.	- 1	3	72				-
Finleristyli's dichotan		200	73				
Brinopiella australi	- 2	200	74				-
Polygala japonica		1	75				
Decemation unique		1	26				-
Presdera prestrata	-2	207	77				-
Anyena	- 1	1	210				
drygeocephalin aginit	+ 1	10	20				
s Alain'	1	1	89				Q5
Rictiness Native Exotic	-	r % 1x1 plots	Q1	Q2	Q3	Q4	- ua
1.0	Native perer						-
10 47	Native other						
ss (annual)	Native forb		-		-		
ss (perennial)	Native shrut			-			-
er (annuał)	Exotic grass		-				-
er (perennial)	Exotic forb a						
	Leaf & stick Rocks	10001					
Course shundaness and							
Cover abundance scale	Bare ground Cryptogame		1				
Modified Braun-blanquet 6 scale	Total		100	10	0 10	0	100 100
1	Plot Disturb	ance		10	Fire damage:		
1 <5% - rare					Storm damage:		
2 <5% - common	Clearing (in	inc. pasture):			Trampling.		
3 5 - 25% 4 25 - 50%	Soil erosion				Flood damage:		
5 50-75%	Firewood co	Contraction of the local division of the loc			Feral herbivores	1	
al and that is					Other:		

HN SZA Mod/cecod - Medium Medium BioBanking Field Sheet ħ

Enterd "

Survey Site F	Form - BioBank			Site ID: 2	a-2	Vegetation zone:		
late	21/01/20	016		Surveyor(s):				
Vaypoint ID	773			Photo numbers	2336	7337	2332	2339
Coordinates	E 028591			Photo direction	N	E	s	w
P	N 6246621				~			
apped Vegetabi	the second se				Condition:		Low	Mod-good
ope(Gentle) M					Altitude:			
	est, ridge, upper slop		A REAL PROPERTY OF A READ REAL PROPERTY OF A REAL P	A CONTRACTOR OF				
	granite, conglomera	the second s	and the second se	and the second designed and th			_	
	loam(clay) organic, s			Soll disturbance	intact; topsoil rem	IOVED, NR		
	owth (uncleared):	Yes / No / Ur		-			- 01- 1	
	ure (formation) = M	1	1		inant Layer (EDL) -	most biomass = $\int A d$	de Stipurs in	lê.R.
Strata	Height interval	Median	Est. cover	Dominant Specie	and the second se			
E	20.00		1 1		hours			
-	20-25			F. MO	lucanna			
-+			-					
T1		1						
3350	32							
			1					
T2								
Т3	*							
						1	٨	1
	100			Odea	europa	(Rewe) -	dominal	-derse
s1 [. 8				Bursar	a spines	6		
	1 0				1			
2270								
S2	*							
	0.1				bana S			
G	0.1			Dicec	ndia o	disments		
_			10000					
	ree height (clino) leve ree height (clino) fron	전 영화 소문 영화 영화		공동 문제 문제가 영화 관계적인	양양 양양 같은 말을 하는 것이 같다.			
Fritions		adding of order	in a stand of the	en o de a talpar - de	contrary.			
	= dominant; c = co-d	ominent; s = si	ubdominant; a *	associated				
					mid dense (50-80%)	(d = dense (80-100%)		
								-
iker & Hopkins I	height classes: 1-3m	= dwarf; 3-6m =	= low; 6-12m = n	iid-high; 12-20m = b	all; 20-35m = very ta	il; >35m = extremely tall		
H Crown cover:	:<0.2% = isolated tre	es or clumps; 0	.2-20% = open	woodland; 20-50% =	woodland; 50-80%	= open forest; 80-100% = cl	losed forest	
						Warden and Chieves		
m Transect		alage Projectiv	e Cover	Ground cover tall	y sheet, 50 points a	long 50m transect		
	anopy % (photos)	Midstorey %	Exotic %		d if plant intersects ((hits) point		
1	0	0	50	Native grass fally	10.00	1	1	Total (hits/50)
m	0	0	70	MIT	HT HT	HITHIH	11	(n:
n	0	0	60		an solu	**************************************	96300 - 268 - F	62%
n	0	0	90					
n .	_ <u>_</u>	20	40		2			the second second second
n l	P	120	pa	Native other (herb	o, fern, sedge, etc) t	ally -		Total (hits/50)
	2	0	60	HHT I	11			1/14
n	1.1	0	20	6.1	.1			167,
n n	0		10					1
n n	5	0	-1-					
n n n	3	0	70	Mather that and	8			
n n n al (sum / 10) =	5	0		Native shrub tally	5 7			Total (hits/50)
n n n al (sum / 10) = ger 50 x 20m p	0 17, tot	3%	59%	Nalive shrub taliy				
n n n al (sum / 10) = ger 50 x 20m p	5	3%	59%	Native shrub tally	Ī			
n n h Ial (sum / 10) = ger 50 x 20m p	Xot Jobris >10cm wide &	3%			-			07.
n n al (sum / 10) = ger 50 x 20m p gßh of woody d	0 17, tot	3%	59%	Exolic taily -				Total (hits/50)
n n al (sum / 10) = ger 50 x 20m p gg/h of woody d	Xot Jobris >10cm wide &	3%	13.5	Exolic taily -	HT 1			07.



STREAM STREAM	92				Survey type:	Quadrat 20m x 20	NUC		
Species			Cover	Abund.	Species		1	Cover	Abund,
F. tore	hiorn	is.	- 3	1	61				
F. Mo	luccan	0	- 4	3	42				
			6	40	42				-
Bursar	ewepe 10 Sp	MA	+ 1	3	44				
Dinhon	dra 1	opens rimilus	- 3	100+	45				
Micro	stin	1	- 4	100+	46				
Option	DALS	initus	+ 3	50	47				
Cole	A 30	Sec. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	2	20+	48				
Scarle	i ala	0	7	1	46				
Carlos	y pic		1	1 ;	50				
- Grou	is au	- I o	+ 5	20+	51				
CHART CHART	a la cla	a neentali		1294	CT				
Pidae	200 000	A APERATAN	T	0	53				
1310/201	s pla	ISA_		1 2	2.3				
Veher	0 RE	ilog re		7	54				-
Cirsi	m v	ungang	10	1 10.	112 				-
Green	rest	m	2	20+	28				
Jalan	um n	10run	1	20+	27				
Gypo.	US Pra	grostis	- ch		58				
Sida	inon		2	20+	24				
rasp	aliohic	1	- 2	201	80				
Joldy	UMP	inphylm	- /	1	61				
Cyno	lachile	ni (couch)	- W2.4	100+	62				
(on	melia	na	+ 2	29+	63				-
Rici	nus	communis englestrs			64				-
(up	2011 0	engestig	- 2	291	05				
Gelo	nicha	<u> </u>	+ /	3	0.5				
1 Asth	ema 1	NERG	1	7	87				
" Lett	4 ODL	6 dont.	2	29×	68				-
· Filter	Vanihe	to dont.	+ 1	1	69				-
· Adio	ntun	30.	+ 1	5	70				
1		V	-		21				
2					72				
1					73				
4					74				
6.)					7ñ -				
6					20				
7					77				
n					78				
u .					29				
٥					BO				
Sp. Richness	Native	Exotic	Ground laye	r % 1x1 plots	Q1	Q2	Q3	Q4	Q5
Tree			Native perce	nnial grass					
Shrub	3.22	1	Native other						
Grass (annual)	116		Native forb						
Grass (perennial)	10		Native shru						
Other (annual)	1.52		Exotic grass						
Other (perennial)			Exotic forb						
and personal	1		Leaf & stick	ilter					
			Rocks		1				1
~	ver abundan	e scale	Bare ground	1					1
	d Braun-blan		Cryptogame						
Modifie	a praun-pian	drage of scrales	Total		100	100	100	1	00
2	-			2022	100	1 300			
1	<5% - rare		Plot Dislub				Fire damage:		
2	<5% - com	mon	Clearing (in				Storm damage:		
3	5 - 25%			inc, pasture);			Trampling:		
4	25 - 50%		Soll erosion	and the second s			Flood damage:		
5	50 - 75%		Firewood c				Feral herbivores:		
6	75 - 100%		Stock grazit	VG:			Other:		

	Form - BioBank	a manuf Pr									
Date Waypoint ID	21/01/16	9		Surveyor(s) Photo numbers	0330	1/222	12211	0000			
18 116-D.C.		ų.		Photo numbers		2333	2334-	2335			
Coordinates	E 028618 N 62474	34		Photo direction	N	E	S	W			
Mapped Veget	and the second se				Condition: DIF.F.	ACK	(Low)	Mod-good			
Blope; Gentle,	and the second sec		rees or cardi		Altitude:		<u> </u>				
					valercourse, escarpmer						
19961	t, loam, clay, organic,				n, limestone, metamorph						
_	growth (uncleared):			Son disturbance	: intact, topsoil removed	1, HD					
	grown (uncleared); ucture (formation) = (/	Yes/No/U		Fontonically Domin	nant Layer (EDL) - mos	t biomage -					
Strala	Height interval	Median	Est cover		and the second se	Coloniașa -					
			1	F. molle							
E	20 - 25	22.5		1	çını sın						
	1997										
-120											
T1			1								
T2			1								
			1								
Т3	~		1								
		-									
~	1	1		bysan	ia sph						
S1	1.2	1.5		Alares	a beethou	n					
		<u> </u>									
S2											
G	0-1.2	0.6		Paspa	une dual	atahm					
	9			Sefar	ia						
	Tree height (clino) leve										
efinitions	Tree height (clinc) from	t bottom of slop	e = distance fr	om trea x (tup% - trott	om%)						
lominance	d = dominant; c = co-d	ominant: s = su	abdominant; a =	associated							
					id dense (50-80%); d = c	densø (80-100%)					
E			52.000 WKN-2005-00			C 200 800 100 800 100					
					l; 20-35m = very tal; >35						
/&H Crown cov	er: <0.2% = isolated tra	es or clumps; 0	.2-20% * open	woodand; 20-50% =	woodland; 50-80% = ope	en forest; 80-100% = clos	ed forest				
n		Constant of		la							
Om Transect	10 Points - Fo Canopy % (photos)	liage Projective	1	1	sheet, 50 points along 5						
m	California (busines)	Midstorey %	Exotic %	 every 1m record Native grass tally - 	if plant intersects (hits)	point		Tatal this if a			
0m	5	0	0	ILHT 1				Total (hits/50)			
5m	ŏ	ŏ	Ő	I MILL				101			
Om	0	0	0					12%.			
im.	5	0	0								
hu	10	0	0	Native other (herb,	fern, sedge, etc) tally -			Total (hits/50)			
im	9	0	0	141 111	26210 Ma 546						
m	2	0	0	11 11	51			16%			
5m	20	0	<u>n2</u>					(01.			
	= 4.7	0	0	Mathies where the				Ling Charge			
	- 41	0	0.2	Native shrub tally -				Total (hita/50)			
otał (sum / 10)	v alat							D			
otal (sum / 10) arger 50 x 20/r		>0.5m lana	1010	1				$\cap I$			
0m otał (sum / 10) arger 50 x 20m angth of woody	v plot v debris >10cm wide &	>0.5m long	37	1				07.			
tal (sum / 10) rger 50 x 20m ngth of woody		>0.5m long	37	Exotic taily -	111/ 11	114	14-1	Total (hilts/50)			
al (sum / 10) ger 50 x 20m agth of woody opertion of ca	y debris >10cm wide &	>0.5m long	37	Exotic taily .	HTHT	HT HT	HT I	07. Total (hills/50) 727/,			

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site ID: 🤇 🤇	94				Survey type:Q	uadrat 20m x 20r	n		
Species			Cover	Abund.	Species		C	Cover	Abund.
	weans	a	- 4	7	4t -				
Seland	1		3	20+	42				
Parna	him de	alatahm	5	100 t	43				
Chinai	venti	icosa	-3	20+	de				
Aultra	dartho	Ma TRADI	+ 1	1	45				
Sinta	Than	ka.	4	100 r	48				
Carac	lino	CUARIA	- 3	20+	47			_	
Candra	in Ano	dag.	2	201	48				
Fina	lia to	haves	- 4	100+	49				
Altan	all no	The last		1	00				
- Alexand	P JEI	achina)	1 5	20+	51				
Arol	is per	20000	1 2	29+	62				
hann	4 Junior	engales	15	201	13				
10000	an In	o brachis	- 1	1	54				
100	udia	NISCHAS.	R)	20+	56				
		ricanum	2	201	50				
M	into d	reclumines	and the second sec	20+	57				
1000	tedan	Sticky for Manda	. 1	1	68				
TWO	neda	monde	+ /	5	59				
0 (100	uphree	a calosion	lan 1	1	80				
ALICO	A Paxi	hain	1	Í	01				
· Ohla	is pay	40	Î	2	42				
, Solar	und no	auna	1	1	63				
· Crus	DAL V	pelcero	1	5	84				
· Ind	inophan	alastrah	3-1	1	63				
· Dlong	600 1	ancoalata	1	1	65				
v Aldon	16 Alball	1 Aloberila	10. 1	2	62				
W Verb	eana "	30	1	1	611				
n 1 37 1 7	0. 3603		1	1	60			· · · · · ·	
· Mall	indero	10' gravite	1 - 1		70				
a Cov	21100	0	1	1	21				
" Sca.	lot pi	radiata	1	1	72				
13 Han	cchalis	radicha	1	1	73				
34					24				
15					75				
30					70				-
a 🦻	14			-	77				_
38			_	-	78				_
99					79				
40	1				90				
Sp. Richness	Native	Exotic	_	er % 1x1 plots	Q1	Q2	Q3	Q4	Q5
Tree	10.52			innial grass					
Shrub	14		Native other						-
Grass (annual)	11		Native forb	and a state of the					
Grass (perennial)			Native shru	/b (<1m)					
Other (annual)			Exotic gras	US A DOMESTIC					
Other (perennial)	-		Exotic forb					-	
			Leaf & stic	k litter				-	-
			Rocks		-			-	
	over abundanc		Bare groun						
Modif	ied Braun-blan	quet 6 scale	Cryptogam	5	-		100		100
			Total		100	100			100
1	<5% - rane		Plot Distur	And the second second			Fire damage:		
2	<5% - com	non	and the second sec	na. logging):			Storm damage:		
3	5 - 25%			(inc. pasture):			Trampling:		
4	25 - 50%		Soll erosio				Flood damage:		
5	50 - 75%		Firewood	1 I			Feral herbivores:		
6	75 - 100%		Stock graz	ing:			Other:		

C:\Users\Iclews\Desktop\Shortcuts\BB_Field_Sheet

				Eten	KO	c	- nio caro	
urvey Site	Form - BioBanki	ng		Site ID:	0 371	Vegetation zone:	ale Hills Enteredu	
ate	3/9/201	5		Surveyor(s): LL	skas Cle	ins		
aypoint ID	560	371		Photo numbers	1270	-		
Coordinates	E			Photo direction	N	E	s	w
	N	,		The second second				100
apped Vegel	tation type: CPW Mod, Steep		ees or cardin		Condition: Altitude: 4)	m	LOW	Mod-gaba
	crest, ridge, upper slope			14/				
	alt, granite, conglomerate							
oil type: san	id, loafn, clay, drganic, g	ravel, skeletal,	2	Soil disturbance:	infact/topsoil remove	ed, fill		
emnant / Old	growth (uncleared):	Yes No Din						
egelative Str	ucture (formation) = D_{k}	an fa	455	Ecologically Domin	nant Layer (EDL) - mo	st biomass = C	anopy	
Strata	Height interval	Median	Est. cover	Dominant Species	& Dominance		4	
125								
Е	28							
				En -	inter 1	a-dicorni	<	
Τ1	20-20			-ucau	7610 - 1	ALCOLVUS - PROVINCE		
57167	20-25m							
T2	1 390							
			L					
1212								
Т3	2t			FYDIA				
			-	Olea		presition		
S1	2.8m			Orea	enrogen	eq		
0.	2.8m							
				Burson	a SPINOS	La		
S2	1 . 4m				~			
	1 03							
				Themal		na		
G	1 C 1			dulais			in the	
	Tree height (clino) leve			seta	MELLING MORE THAN A	vagrostis	Crotanici	
	Tree height (clino) from	28-11-11/2						
efinitions	20.4 8 3.0			11633				
ominance	d = dominant; c = co-d	ominant; s = si	abdominant; a	associated				
stimated cove	ar 1 = isolated (0.2-2%); v	~ very sparse	(2-20%); s = sp	arse (20-50%); m = r	mid dense (50-80%); d	= dense (80-100%)		
1949년 - 영영 -	ins height classes: 1-3m over: <0.2% = isolated tre				1 전 요즘 것 같아. 이 이 것 같아요.		closed forest	
an crown co	1961, ~0,276 = isolated tre	es or ciumps; (-c-cute - open	woourano, 20-50% -	- woodadid, ou-6078 = 0	When remest, downood a	energie rondbi	
m Transect	10 Points - Fo	liage Proiectiv	e Cover	Ground cover tally	y sheet, 50 points alor	ng 50m transect		
pint	Canopy % (photos)	Midstorey %	Exotic %	- every 1m record	t if plant intersects (hit	ts) point		
π	26	25	90			## #	- 1	Total (hits/50)
Dm	30	65	0		गा मा	+111 +111		
5m	2.0	80	0			1.0	1	47%
mC	20	0	60					L.r.
im	40	50	0					
Dm	40	60	30	Native other (horb	o, fern, sedge, etc) tall	y-		Total (hits/50)
im .	30	70	0	-		11		1
0m 5m	5	25	0	1				41.
m m	0	0	50	1				
tal (sum / 10		42.5	23	Native shrub tally	- 1			Total (hits/50)
rger 50 x 20	the second s				1			a star produce a star of
	dy debris >10cm wide &	>0.5m long	4.60	1				2%
1 A T 4	19 LINK - 1940	300	4.04					
			1	Evolis tolly 1	11 1111 1		1111 1	Total (hits/50)
roportion of a	canopy sp. regeneration		100%	Exotic tally -				52%

10



Species	Cover	Abund.	Species			_		Cover	Abu	nd.
Evaluation time		12	41							
Eraliptus mal	uccan - 4	10	42							
Olea europoed	5	20+	43							
Burgana spinoso	- 4	120t	44							
	WEAS - Z	201	45	-		_			_	
Themeda triad		7/*	ei.	-						
Schould These	3	201	47							
Erectivestis and		tot	45	_		-			-	
			100	-					-	
Verteena	2	201	49	_						
· Onlais gayona		204	80.							
Serveria mendagas	CONTRACT	1	61		_	_			_	
s sondus aldra		R	52							
· Hypericum	- 2	204	63	_						
· Exocarpos app	resitors - 1	Ζ.	64			-				
Muellena ereal	ptodosi + 1	7.	65	-		_				
· Bradychiton pe		1	56							_
Vicia satind	2	204	67							
· Hypochaenis rai	dicata	1 5	0.0			-				
· Sigesbeckia on	1 - eilat	1	50			-				
Platogo lonceo	lasha 1	1	60	_		_				
· Soburin pring	Myllin 7 2	(0)	e1							
2 Desmodily.	- 1	1	62	_		_			_	
· alyant dades	tina -1	1	63			_				
· Mangdaria?	+)	1	er Parso	A. 5.1	1 laco	201	and		_	
Nacia provania			65	_		_			_	
Privare Una	ades 1	1	60	_					_	_
		1	87							
"Aspenda confei	ta + 1	1	619							
Files allesa	7	-24-	en a	_						
o Trifolium vere	ns	1	20							
н			78							
X:			72							_
а	1		23							
4			74							
6		1.	75							
8		_	26							
и "			77							
18			78							
19			29							
0			80							
Sp. Richness Native E	xotic Ground I	ayer % 1x1 plob	Q1		Q2		Q3	Q4		Q6
Tree	Native p	erennial grass	-							
Shrub 1		ther grass								
Grass (annual)		rb & other								
Grass (perennial)	and the second se	hrub (<1m)	-			-				
Other (annual)	Exotic gr		-	-		-				
Other (perennial)		rb & other		-		-				-
Const (perciration)	Leaf & s							-		
	Rocks	ocia inter		-		-				
Cover abundance so	the second se	und	-							
	Second Second	and the second se	-	-		-			-	
Modified Braun-blanquet	6 scale Cryptoga Total	112		100		100	100		100	
(a)		-		100		100		1	1.50	
1 <5% - rare	Plot Dist					_	Fire damage:			
2 <5% - common		(inc. logging):					Storm damage:			
3 5 - 25%		on (inc. pasture)	3	_			Trampling:			-
4 25 - 50%	Soil eros	ion		-		_	Flood damage:		_	
5 50 - 75%	Firewoo	d collection:				_	Feral herbivores:	-		
		azing:					Other			

HN 529 Mod/Good _ Poor BioBanking Field Sheet

Banking Field Sheet Entered Shale Hills - Poor

$\frac{1}{3} \frac{1}{\sqrt{9}} \frac$		JAC		9			Hills		P 10 12
Operation View View View S View Social state In the number of the	and the second se					the second se		AL DI	CFUU
Southam India direction N E S W Southam Integration rest Integrati	ale					and the second se	us		
N Description Description <thdescription< th=""> <thdescr< td=""><td>aypoint ID</td><td>107</td><td>110</td><td>-1</td><td>Photo numbers</td><td>1298</td><td></td><td></td><td>_</td></thdescr<></thdescription<>	aypoint ID	107	110	-1	Photo numbers	1298			_
Bits Depart (suggest or another property: exec. rise, rise, rise and stop, rise and the property of the stop, rise and the property of the stop, rise and the stop, rise and the stop rise a	Coordinates	E N			Photo direction	N	E	S	w w
Bit of Control Appendiation Appendiation Appendiation Appendiation Set of Control Appendiation	apped Vegeta	ion type: PP1	54	rph	/	Condition:		Low	Moglood
altegy table, gendlemant, carditions, alteration, alteration, instance, provid, ? alteration of the second state of the second	ope: Genile	NAME OF TAXABLE PARTY.		ees or cardin	al): S	Altitude: 98	M		0
Bit Spece such (a) Bit diffurbance: Hist, topol removed, fill mmed (Did grown (inclosed)) Vex/By/Undedded? Bit diffurbance: Hist, topol removed, fill Ecologically Commune Layer (ECL) - next tomas =	pography: c	rest, ridge, upper slope	, mid slope, dy	whi slope, gully	, flat, depression, w	alercourse, escarpmer	nt, terrace		
mmmet (D2 growth (underweit) Vex/Sub Underschaft gelande Stackure (formation) - 0	bology: basal	t, granite, conglomerat	e, sandstone, s	iltstone/mudst	one, shale, alluviup	, limestone, metamorpi	hics, gravel, ?		
Special Height referval Median Eat case Designation Special & Designation Designation <thdesignation< th=""> Designathesignation D</thdesignation<>	il type: sand	Islam, clay-organic, g	ravel, skeletal,	2	Soil disturbance:	intact, topsoil removed	s, fill		
Special Height referval Median Eat case Designation Special & Designation Designation <thdesignation< th=""> Designathesignation D</thdesignation<>	emnant / Old g	rowth (uncleared):	Yes/No Uni	fecided?	÷2				
Stream Height interver Median Est cover Deminant Species & Dominance ////////////////////////////////////	egetative Stru	cture (formation) = Ø	pro Es	ø	Ecologically Domin	hant Layer (EDL) - mos	t biomass = Cano	yoy	
T1 20 25.4 Excel uptus tractions T2 T3 S1 1 - Zw				Est cover	Dominant Species	& Dominance		1	
T1 20 25.4 Excel uptus tractions T2 T3 S1 1 - Zw									
T2	E	-							
T2									
T2					Evenly	otus te	sticonis		
T2	T1	20 75.			Euch	motors a	alleeng		
T3		0 009				/1			
T3									
S1 I - Zw Lywins Concession S2 .	T2		fan -						
S1 I - Zw Lywins Concession S2 .									
S1 I - Zw Lywins Concession S2 .	24793								
S1 I - Zw S2 Premion of the set	тз	37.							
S1 I - Zw S2 Premion of the set									
S2 Image: S2		1 2	E		Lycius	ferrou	spren		
G Function And an and and	S1	1-200							
G Function And an and and									
G Function And an and and									
G Small prostantial Thee height (cino) level ground or top of stope = distance from tree x (lop% + bottom%) Tree height (cino) from bottom of slope = distance from tree x (lop% - bottom%) Inter height (cino) from bottom of slope = distance from tree x (lop% - bottom%) dinitions minance d = dominant; e = co-dominant; s = subdominant; a = associated timesheight (cino) from bottom of slope = distance from tree x (lop% - bottom%) distance d = dominant; e = co-dominant; s = subdominant; a = associated timesheight (classes: 1-3m = dwarf; 3-6m = low; 6-12m = mid-high; 12-20m = tal; 20-35m = very tal; >35m = extremely tal B4H Crown cover: -0.2% = isolated (trees or clumps; 0.2-20% = open vocalland; 20-50% = vecont forest; 80-100%) = closed forest min transect 10 Points - Foliage Projective Cover Crown cover tally sheet, 50 points along 50m transect. every fm record if plant inforsects (hits) point Total (hits/50) min to 0 0 0 min to 0 0 0 min to 0 0 0 0 min to 0 0 </td <td>S2</td> <td></td> <td></td> <td></td> <td>L</td> <td></td> <td></td> <td></td> <td></td>	S2				L				
G Small prostantial Thee height (cino) level ground or top of stope = distance from tree x (lop% + bottom%) Tree height (cino) from bottom of slope = distance from tree x (lop% - bottom%) Inter height (cino) from bottom of slope = distance from tree x (lop% - bottom%) dinitions minance d = dominant; e = co-dominant; s = subdominant; a = associated timesheight (cino) from bottom of slope = distance from tree x (lop% - bottom%) distance d = dominant; e = co-dominant; s = subdominant; a = associated timesheight (classes: 1-3m = dwarf; 3-6m = low; 6-12m = mid-high; 12-20m = tal; 20-35m = very tal; >35m = extremely tal B4H Crown cover: -0.2% = isolated (trees or clumps; 0.2-20% = open vocalland; 20-50% = vecont forest; 80-100%) = closed forest min transect 10 Points - Foliage Projective Cover Crown cover tally sheet, 50 points along 50m transect. every fm record if plant inforsects (hits) point Total (hits/50) min to 0 0 0 min to 0 0 0 min to 0 0 0 0 min to 0 0 </td <td></td> <td></td> <td><u> </u></td> <td>-</td> <td></td> <td></td> <td>0</td> <td></td> <td></td>			<u> </u>	-			0		
Eth-Martin Exc. Art Diddee dec. Didde Diddee dec. <th< td=""><td>120</td><td></td><td></td><td></td><td>remise</td><td></td><td></td><td></td><td></td></th<>	120				remise				
The height (clino) level ground or top of slope = distance from insu x (top% + bottom%) The height (clino) from bottom of slope = distance from inse x (top% + bottom%) finitions minance d = dominant; e = co-dominant; s = subdominant; e = associated timeted over 1 = localated (to 2.2%); v = very sparse (22.0%); s = sparse (20.50%); m = mid-dense (50-80%); d = dense (80-100%) alker & Hopkins height classes: 1-3m = dwart, 3-6m = low; 6-12m = mid-ngb; 12-20m = tal; 20.35m = very tal; >35m = extremely tal BH Crown cover: <0.2% = isolated trees or clumps; 0.2-20% = open woodland; 20-50% = woodland; 50-50% = open forest; 80-100% = closed forest	G				Dencio	Madaera	sconnersi's	O'd to	
Take height (chino) from bottom of slope = distance from tree x (0opX - bottom?k) divisions minance = d dominant; e = oo-dominant; s = subdominant; a = associated timated cover 1 = lociated (0.2-2%); v = very sparse (22-5%); s = sparse (20-5%); f = dense (80-100%) alker & Hopkins height classes: 1-3m = dwarf; 3-6m = low; 8-12m = mid-slipt; 12-20m = tat; 20-35m = very tai; >35m * extremely tai! BH Crown cover: <0.2% = isolated trees or clumps; 0.2-20% = open voodland; 20-50% = voodland; 50-80% = open forest: 80-100% = closed forest m Transect 10 Points - Foliage Projective Cover for our dover taily sheet, 50 points along 50m transect int <u>Corrowy % (thoios)</u> Midstorey % Exolic % - every fm: record if plant intersects (hits) point a <u>40</u> 0 0 0 m <u>40</u> 2.0 5.0 Native other (herb, fern, sedge, etc) tally - m <u>40</u> 0 0 0 m <u>40</u> 0 0 m <u>40</u> 0 0 m <u>40</u> 0 0 m <u>40</u> 0							Sa WL	Dioneror	a repers
Initializes d = dominant; c = co-dominant; s = subdominant; a = associated Immed cover 1 = isolated (12.2.%); v = very sparse (22.50%); s = sparse (20.50%); m = mid dense (50-80%); d = dense (50-105%) alker & Hopkins height classes: 1-3m = dwarf; 3-6m = iox; 6-12m = mid-tigh; 12-20m = tal; 20.55m = very tal; >35m = extremely tal 844 Crown cover: <0.2% = isolated trees or clumps; 0.2.20% = open woodland; 20-50% = woodland; 50-80% = open forest; 80-100% = closed forest en Transect 10 Points - Foliage Projective Cover - every fm record if plant intersects (hits) point - every fm record if plant intersects (hits) point - every fm record if plant intersects (hits) point - foliage (k), bolo every fm record if plant intersects (hits) point					1.				
minance d = dominant; c = co-dominant; c = ausociated timeted cover 1 = isolated (0.2-2%); v = very sparse (2-20%); c = sparse (20-50%); m = mid dense (50-50%); d = dense (50-100%) alker & Hopkins heigh classes: 1-3m = dwarf, 3-6m = low; 8-12m = mid-high; 12-20m = tal; 20-35m = very tal; >35m = exturnely tal BH Crown cover: -0: 2% = isolated trees or clumps; 0.2-20% = open woodland; 20-50% = woodland; 50-50% = open forest: 80-100% = closed forest Im Transect 10 Points - Foliage Projective Cover Ground cover tally sheet, 50 points along 50m transoct. - every fm record if plant intersects (hits) point Im Transect 10 Points - Foliage Projective Cover Ground cover tally sheet, 50 points along 50m transoct. - every fm record if plant intersects (hits) point Im 6.0 0 Im	lafinitione	rise neglic (conc) acti	i postani or sinha	a - otstande in	SULLER X (MID A - DO	agen avy			
Limeded cover 1 = locialad (0.2-2%); v = very sparse (2-2%); s = sparse (20-50%); m = mid-dnigh; 12-20m = tal; 20-35m = very tal; >35m * extremely tal Biker & Hopkins height disasses: 1-3m = dwarf; 3-6m = low; 6-12m = mid-dnigh; 12-20m = tal; 20-35m = very tal; >35m * extremely tal Biker & Hopkins height disasses: 1-3m = dwarf; 3-6m = low; 6-12m = mid-dnigh; 12-20m = tal; 20-35m = very tal; >35m * extremely tal Biker & Hopkins - Foliage Projective Cover Cround cover tally sheet, 50 points along 50m transoct - every fm record if plant intersects (http:) point - every fm record if plant intersects (http:) point n 50 0 m 40 2.0 m 40 0 m 2.0 0 m 40 0 m 40 0 m 40 0 m 3.0 0 m 3.0 0 m 3.0 0		d = dominant o = co.d	ominant: s = su	bdominasi' a z	associated				
alker & Hopkins height classes: 1-3m = dwarf; 3-6m = iow; 6-12m = mid-high; 12-20m = tal; 20-35m = very tal; >35m = extremely tal B4 Crown cover: <0.2% = isolated trees or clumps; 0.2-20% = open woodtand; 20-50% = woodtand; 50-80% = open forest; 80-100% = closed forest m Transect 10 Points - Foliage Projective Cover int Canopy % (photos) Midstorey % Exolic % a 400 0 0 0 m 400 0 0 0 m 400 0 0 0 m 400 0 0 0 m 225 0 0 0 m 400 0 m						nid dense (50-80%); d =	deose (80-100%)		
BH Crown cover: -0.2% = isolated trees or clumps; 0.2-20% = open woodland; 20-50% = woodland; 50-80% = open forest; 80-100% = closed forest; m Transect 10 Points - Foliage Projective Cover Ground cover taily sheet, 50 points along 50m transect; int Canopy % (photos) Midstorey % Exotic % n \$60 0 - m \$60 0 - m \$60 0 0 m \$25 0 0 m \$20 0 0 m \$20 0 0 m \$20 0 0 m \$20 0 0 4/1- m \$20 0 0 4/1- m \$20 0 0 0 0 m \$20 0 <td< td=""><td></td><td>- and the real .</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>		- and the real .							
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oportion of canopy sp. regeneration 100%. Exotic taily - HH -	angth of wood	y debris >10cm wide §	>0.5m long	12.8m	1				07.
	oportion of ca	nopy sp. regeneration			Exotic tally -	-14-14	##	114 111	Total (hits/50)
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96)



	71		Cover	Abund.	Species				Cover	Abund.
Species	1. +	chicon's -	S	17	opecies	_			COVE	Abund.
Eurolyp	This Te	illucian -			42	-				
Eventy	TUS MO	uncan -	5	14	43	_				
	terce	reisinum	B	201	44	_				
Ginad	ia ha	stata -	2	204	46	-				
Sido M	nembife	La	4	-	40	_				
thehas		eta		204	40					
	dia ne	if en	3	20+	10					
Arauj	id seic	item	2	rot	65					
(ohle		-	1	1	40	_				
	yellow	- c	2	Rot	80					
	weed		2	405	51					
= Phytol		actadra	(1	52	_				
· Conyes		inensis		3	83	_				
4 Cymod		styles -	72	20+	54					
	n unla	c-e	1	1	86					
· Solar	un -	niquere	1	2	ria.				_	
+ Plate	ao la	contation	1	1	67					
· Penis	Am	eladertin.	4	201-	58			_		_
10 Juna		tus	1	4	SP.					
10 Hypod	inner	vadicata	1	1	60	_				
n /1					61	_				
12					62					
a					83					
4					64	_				_
5				1	60				-	
15					88					-
17					67	_				
28					ea	_				
29					84	_				
90					20					
91					71					
32					72					-
33					73	_				-
34					34	-				
95					75					
96					246 .	-				
37					77	_				_
38		×	-		78					
39					70				-	
ab	_				80	_	1.000		-	-
Sp. Richness	Native	Exotic	Ground layer	% 1x1 plots	Q1	_	Q2	Q3	Q4	Q5
Tree			Native perch		-	-			-	_
Shrub	-7		Native other	grass	-	-				
Grass (annual)			Native forb 8	other		_				
Grass (perennial)	1		Native shrub	(<1m)		_				_
Other (annual)			Exotic grass			_				-
Other (perennial)			Exotic forb &	other						-
			Leaf & stick I	ittor						-
			Rocks		-					
C	over abundance	scale	Bare ground							
Model	ied Braun-blang	uet 6 scale	Cryptogams							
			Total		1	00	10	10	0	100
14	<5% - rare		Piot Disturba	ince				Fire damage:		
2	<5% - comm	100	Clearing (inc	logging):				Storm damage:		
3	5 - 25%			nc. pasture):				Trampling:	-	
4	25 - 50%		Soil erosion:					Flood damage:		
5	50 - 75%		Firewood col	lection:				Feral harbivores	2	
6	75 - 100%		Stock grazin	CONTRACTOR .				Other:		

W 630 Mod/acod_Other BioBanking Field Sheet JACO BS

THE REPORT OF				1				
or other Designation of the local division o	Form - BioBanki	and the state of t		Site ID: P12	-wellad	Vegetation zone: W	Jettand	
te iypoint ID	2/2/20	781		Surveyor(s): Photo numbers	2448	2449	2450	1000000
0.000	E. 02 869			OSCIPTION IN	100 C			2951
ordinates	N 6257	1.11	1.11	Photo direction	N	E	s	w
ped Veget	ation type: NP	t			Condition:		Low	Mod/good
in the second	Mod, Steep	1.	ees or cardin	42-3	Concession of the local division of the loca	zm		0
	crest. ridge, upper slope sll, granite, conglomerat			and the second se	-			
	d, Ioam, clay, organic, g				: intect. topsoil remove		subur :	meth
	growth (uncleared):	Yes Mol Un		man	made	doms on	water	
	ucture (formation) =	12			inant Layer (EDL) - mo		Course of t	
Strata	Height interval	Median	Est. cover	Dominant Specie	s & Dominance			
80								
E	\							-
		~					/	
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9424			1			/		
2223						/		
T2	#3				-/-			
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25-01			/					
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S1	2	/						
		/	<u> </u>				1	
S2	. /							
		1						
				Juna		tus (d),		2 udiatives
		0	ani	Passarley	n distichn		cand my	dropiper
G	0-3m	1. 04	721-	5 6		and the second s		
G		1	18'-	Underia		s, Typha		is, partoscul .
G	Tree height (clino) level	ground or top of		nce from tree x (top)	& + boltom%)	s, Typha		
		ground or top of		nce from tree x (top)	& + boltom%)	s, Typho		
nitions	Trea height (ctino) level Troo height (ctino) from d = dominant; c = co-dc	ground or top o bottom of stop	s = distance fr	nce from tree × (top) om tree × (top)% - bo associated	% * bottom%) ttom%)			
nitions	Tree height (ceno) level Tree height (aino) from	ground or top o bottom of stop	s = distance fr	nce from tree × (top) om tree × (top)% - bo associated	% * bottom%) ttom%)			
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tions nance stad cover r & Hopker Crown cov Transect Transect (sum / 10) r 50 x 20m	Tree height (clino) level Troo hoight (clino) from d = dominant; c = co-dc i = isolated (0.2-2%); v is height classes: 1-3m = rer: <0.2% = isolated tree 10 Points - Fol Canopy % (photos) Canopy % (photos)	ground or top of bottom of alops = very sparse (= dwarf; 3-6m = = e or clumps; 0.	a = distance fn bdominent; a = 2-20%): s = sp iow; 6-12m = r 2-20% = open Cover Exolo: % 0 0 0 0 0 0 0 0 0 0 0 0 0	nce from tree x (top?) om tree x (top?) - bo associated arse (20-50%); m = i nid-high: 12-20m = b woodland; 20-50% = Ground cover talk - every 1m recom Native grass tally Native other (herb Native shrub tally	k + boltom%) toom%) nid dense (50-80%); d el: 20-35m = very tall; > woodland: 50-80% = o y sheet, 50 points alon d if plant intersects (hit - + + + + + + + + + + + + + + + + + + +	* dense (80-100%) 36m = extremely tall pen forest; 80-100% = cicr g 50m transect s) point - -	sed forest	Total (hits/50) 24'/. Total (hits/50) 162.
lions nance ated cover Crown cov Transect Transect (sum / 10) r 50 x 20n h of wood	Tree height (clino) level Troo hoight (clino) from d = dominant; c = co-dc i = isolated (0.2-2%); v is height classes: 1-3m = rer: <0.2% = isolated tree 10 Points - Fol Canopy % (photos) Canopy %	ground or top of bottom of alops = very sparse (= dwarf; 3-6m = = e or clumps; 0.	a = distance fn bdominent; a = 2-20%): s = sp iow; 6-12m = r 2-20% = open Cover Exolo: % 0 0 0 0 0 0 0 0 0 0 0 0 0	nce from tree x (top?) om tree x (top?) - bo associated arse (20-50%); m = i nid-high: 12-20m = b woodland; 20-50% = Ground cover talk - every 1m recom Native grass tally Native other (herb Native shrub tally	k + boltom%) toom%) nid dense (50-80%); d el: 20-35m = very tall; > woodland: 50-80% = o y sheet, 50 points alon d if plant intersects (hit - + + + + + + + + + + + + + + + + + + +	* dense (80-100%) 35m = extremely tall pen forest; 80-100% = clo g 50m transect s) point	sed forest	Total (hits/50) 2.4 1/. Total (hits/50) 1.6 2. Total (hits/50)



Site ID: Welland 1	Cover	Abund.	Species			Cover	Abund.
		204	Species			00461	Aburiu.
Persicania hydropipe			41				
Persiana decipiens_	- 2	10	17				-
Juncus acutius		2.04	43				
Paspolin distichum	- 24	7.04	44				
Gyradon dadylon	- 54	-204	45				
Ader solvylatus	-2	-rot-	40				
· Screeto undagarca un	2	201	47				
Platace inicolata	2	107	48				
Ampter	-3	254	έġ				
"Lony In Lonning S	Z	14	50				
" Fidens pillosa		201-	G1				_
Trifolini regens	2	2.00	52 52				
activity susmit	- 5	204	53				
"Typha oriedalis	+2	20+	54				-
18 Rohunschus inundades	+2	201	55				
"Indunaio probides" "Indunaio probides" "Echino Sular Paris-gal	elit -Z	201	55				
"highingio protoides"	+ 3	70+	2/				
"Echino Salar 1 drus-gal	1 2	2	66				
· Damasonium pint	- 2	204	5.9				-
» Eleophais solvacelat	ter 1	10	80				
"Miringlyllun	+ 4	204	ps.				
» Philydown Jamaineses	- 1	3	82				
»Trialoglyn ~	- 1	30+	83				
" Spitadela	- 1	204	84			-	
* Azolla pinada	- 2	701	65				
aladanagrachis Editor		ent	65				
" Ruppus - Loudresson	1	1	67				
» Catodhlaena dubin	+ 1	2	an .				
29		-	es				
30			20				
21			29				
32			72				-
33		-	73				
34	-		74				
16		-	75				
50			76				
37		-	17				
36		_	78				
0#			79				
40			80				
Sp. Richness Native Exotic		er % 1x1 plots	Q1	Q2	Q3	Q4	Q5
Tree I do		innial grass					-
Shrub 0	Native othe				_	-	
Grass (annual)	Native forb						
Grass (perennial)	Native shru						_
Other (annual)	Exotic gras			-			
Olher (perennial)	Exotic forb	1.02.02.04					
	Leaf & stick	c litter			-		-
	Rocks	3					
Cover abundance scale	Bare groun		-				
Modified Braun-blanquet 6 scale	Cryptogam	5	100	-	100 100		100 1
	Total		100	-	_	1	
1 <5% - rare	Plot Disturt				Fire damage:		
2 <5% - common	the second second second second	to. logging):			Storm damage:		
3 5 - 25%		(inc. pasture):			Trampling:		
4 25 - 50%	Soil erosion	Constant -			Flood damage:		
5 50 - 75%	Firewood o				Feral herbivores: Other:		
6 75 - 100%	Stock grazi	ing:			CARGE:		

12:21 PM12/01/2016

1

2

HN 630 Mod/Cood-Otter BioBanking Field Sheet

Datered /

JACOBS

of the second	Form - BioBank	ing		Site ID: P12	Wetland Z	Vegetation zone:	Wallack	
ste	2/2/20	016	_	Surveyor(s)				
Vaypoint ID		782	_	Photo numbers	2454	2455	7454	2457
Coordinates		66948		Photo direction	N	E	S	w
lapped Veget		7381	UI	I	Condition:		Low	Mod-good
lope: Gentle.	the second s		ees or cardin	al) La		7~1	Low	1800-9000
				1.1475	vatorcourse, escarpment	and the second se		
eology: basa	ait, granite, conglomera	te, sandstone, s	siltstone/mudst	tone, shale, altovium	limestone, metemorph	ics, gravel, ?		1.1
ioil type: san	d, loam/day, brganic, ş	gravel, skeletal,	?	Soil disturbance	: intact, topsoil removed,	, fill	Water - s	thin deep -
ternnant / Old	growth (uncleared);	Yes Not Un	and the state of t	mar	made .	day		· · · ·
egetative Str	ucture (formation) = (wetta	A	and the second division of the second division of the	nant Layer (EDL) - most	biomass = 🖉 🤇	oral	
Strata	Height interval	Median	Est. cover	Dominant Species	& Dominance	9		
E								
-							/	
						/		
T1						/		
						/		
					/			
T2			1		/			
_								
Т3				X				
1.5			1					
					~			
S1		/			1			
	/		<u></u>		/			
							and the second second	
6.0								
S2								
52				0	0			
8016 26 V	A .7			Pospile		tichur,	TUNCUS	astratus
G	0 ·3m			Persica Tupha	nia hydro	piper,	Judunigia	28 hickory
8016 26 V	O -3m Tree height (clino) leve	I ground or top (of siope = dista	Persica	nia hydro	piper,	Judunigia	28 hickory
G				herbica Tupha nce train tree x (top?	nia hydro	piper,	Judunigia	28 hickory
G	Tree height (clino) leve Tree height (clino) fron	n bollom of slape	e = distance fro	herbica Tupla nce traffi tree x (top% - bol	nia hydro	piper,	idning idning	28 hickory
G efinitions ominance	Tree height (clino) leve Tree height (clino) fron d = dominant; c = co-d	n bollom of slope Iominant; s = su	6 = distance fro bdominant; a =	herbica nce traffi tree x (top? om tree x (top% - bol associated	oria hydri Conchalis \$+ Bottom %) Pe tom %) Per 9	piper, phyl picain d picain s	Judunigia	28 hickory
G efinitions ominance	Tree height (clino) leve Tree height (clino) fron d = dominant; c = co-d	n bollom of slope Iominant; s = su	6 = distance fro bdominant; a =	herbica nce traffi tree x (top? om tree x (top% - bol associated	nia hydro	piper, phyl picain d picain s	Judunigia	28 hickory
G efinitions aminance stimated cover	Tree height (clino) leve Tree height (clino) fron d = dominant; c = co-d t I = isolated (0.2-2%), v	s boltom of slope ominant; s = su r = very sparse (6 = distance fro bdominant; a = 2-20%); s = spo	nce tryfn tree x (top% - bol associated arne (20-50%); m = r	nia hydri anddalis (+ Ballam%) Pe tam%) Per (Nid dense (50-80%); d = a	pepiper, phyl historia d historia s tense (80-100%)	Judunigia	28 history
G efinitions aminance stimated cover	Tree height (clino) leve Tree height (clino) fron d = dominant; c = co-d r I = isolated (0.2-2%), v ns height classes: 1-3m	n bollom of slope ominant; s = su = wary sparse (- dwarf; 3-6m =	 e = distance fro bdominant; a = 2-20%); a = spo low; 6-12m = a 	nce tryfn tree x (top% - bol associated arne (20-50%); m = r	oria hydri Conchalis \$+ Bottom %) Pe tom %) Per 9	perfection physical of the sical a set tense (80-300%) sm = automaly tall	hodunigia idnu 120g le cipiens trigos 9	28 history
G etinitions ominance slimated cover sliker & Hopkis SH Crown co	Tree height (clino) leve Tree height (clino) fron d = dominant; c = co-d r I = isolated (0.2-2%), v ns height classes: 1-3m	n bollom of slope ominant; s = su = wary sparse (- dwarf; 3-6m =	 e = distance fro bdominant; a = 2-20%); a = spo low; 6-12m = a 	nce tryfn tree x (top% - bol associated arne (20-50%); m = r	nia hydro anatolis (+ Bottom%) Pe tom%) Per (nid dense (50-80%); d = a ul: 20-35m = very tall, >35	perfection physical of the sical a set tense (80-300%) sin = extremely tall	hodunigia idnu 120g le cipiens trigos 9	28 history
G efinitions aminance stimated cover	Tree height (clino) leve Tree height (clino) fron d = dominant; c = co-d r I = isolated (0.2-2%); v ns height classes: 1-3m var: <0.2% = isolated tre 10 Points - Fo	n boltom of slope ominant; s = su = very sparse (~ dwarf; 3-6m = es or clumps; 0.	 distance fr bdominant; a = 2-20%; s = spa low; 6-12m = n 2-20% = open Cover 	control from the x (top% - bol associated area (20-50%); m = r md-high; 12-20m = to woodland; 20-50% = Ground cover taily	via hydro and data (50-80%); d = o ul: 20-35m = very tall, >35 woodland; 50-80% = ope	tense (80-100%) in = extremely tall en forest; 80-100% = clos	hodunigia idnu 120g le cipiens trigos 9	28 history
G stinitions aminance stimated cover stimated cover stimated cover atimated cover	Tree height (clino) leve Tree height (clino) fron d = dominant: c = co-d r I = isolated (0.2-2%); v ns height classes: 1-3m var: <0.2% = isolated tre	n boltom of slope ominant; s = su = very sparse (~ dwarf; 3-6m = es or clumps; 0. Midstorey %	6 = distance fr bdominant; a = 2-20%; s = spa low; 6-12m = n 2-20% = open a Cover Exotic %	Cround cover tally every 1m record	via hydro and dense (50-80%); d = o nid dense (50-80%); d = o al: 20-35m = very talt, >35 woodland; 50-80% = ope y sheet, 50 points along to if plant intersects (hits)	tense (80-100%) in = extremely tall en forest; 80-100% = clos	hodunigia idnu 120g le cipiens trigos 9	Raumentan
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G efinitions ominance stimated cover sker & Hopki &H Crown co- low Transect own Transect Transect own Transect Tra	Tree height (clino) leve Tree height (clino) fron d = dominant; c = co-d r I = isolated (0.2-2%); v ns height classes: 1-3m var: <0.2% = isolated tre 10 Points - Fo	n boltom of slope ominant; s = su = very sparse (~ dwarf; 3-6m = es or clumps; 0. Midstorey %	6 = distance fr bdominant; a = 2-20%; s = spa low; 6-12m = n 2-20% = open a Cover Exotic %	Cround cover tally every 1m record	via hydro and dense (50-80%); d = o nid dense (50-80%); d = o al: 20-35m = very talt, >35 woodland; 50-80% = ope y sheet, 50 points along to if plant intersects (hits)	tense (80-100%) in = extremely tall en forest; 80-100% = clos	hodunigia idnu 120g le cipiens trigos 9	Raumentan
G efinitions ominance stimated cover sker & Hopki &H Crown co- low Transect oint m m im	Tree height (clino) leve Tree height (clino) fron d = dominant; c = co-d r I = isolated (0.2-2%); v ns height classes: 1-3m var: <0.2% = isolated tre 10 Points - Fo	n boltom of slope ominant; s = su = very sparse (~ dwarf; 3-6m = es or clumps; 0. Midstorey %	6 = distance fr bdominant; a = 2-20%; s = spa low; 6-12m = n 2-20% = open a Cover Exotic %	Cround cover tally revery time record	sig hydro and dense toom%) Perro Perro Nerro Pero Pe	tense (80-100%) in = extremely tall en forest; 80-100% = clos	hodunigia idnu 120g le cipiens trigos 9	Received and Received and Total (hits/50) 2481.
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G efinitions aminance stimated cover akker & Hopki %H Crown co- lakker & Hopki %H Crown co- hopki %H Crown	Tree height (clino) leve Tree height (clino) fron d = dominant; c = co-d r I = isolated (0.2-2%); v ns height classes: 1-3m var: <0.2% = isolated tre 10 Points - Fo	n boltom of slope ominant; s = su = very sparse (~ dwarf; 3-6m = es or clumps; 0. Midstorey %	6 = distance fr bdominant; a = 2-20%; s = spa low; 6-12m = n 2-20% = open a Cover Exotic %	Cround cover tally revery time record	sig hydro and dense toom%) Perro Perro Nerro Pero Pe	tense (80-100%) in = extremely tall en forest; 80-100% = clos	hodunigia idnu 120g le cipiens trigos 9	Total (hits/50)
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G efinitions aminance stimated cover akter & Hopkii &H Crown co atter & Hopkii & Dim & Co & H Crown co & Dim & Co & H Crown co & Dim & Crown co & Crown c	Tree height (clino) leve Tree height (clino) fron d = dominant; c = co-d r I = isolated (0.2-2%); v ns height classes: 1-3m var: <0.2% = isolated tre 10 Points - Fo	n boltom of slope ominant; s = su = very sparse (~ dwarf; 3-6m = es or clumps; 0. Midstorey %	6 = distance fr bdominant; a = 2-20%; s = spa low; 6-12m = n 2-20% = open a Cover Exotic %	Cround cover tally revery time record	sig hydro and dense toom%) Perro Perro Nerro Pero Pe	tense (80-100%) in = extremely tall en forest; 80-100% = clos	hodunigia idnu 120g le cipiens trigos 9	Total (hits/50)
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35					79				
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			-	-	74				1
36			-	-	79				
40			-		80				
Sp. Richness	Native	Exotic	Ground lave	r % 1x1 plots	01	Q2	Q3	Q4	Q5
Tree			Native pere	and a second	1 1				
Shrub			Native other						
Grass (annual)	18		Native forb						
Grass (perennial)	10		Native shrut				1		
Other (annual)			Exotic grass						1
Other (perennial)			Exotic forb a	Carlosno -					
			Leaf & stick	and the local division of the local division					
			Rocks						
Co	ver abundance	a scale	Bare ground	1					
	d Braun-blang		Cryptogame						
			Total		100	100	100	10	0 1
1	<5% - rare		Plot Disturb	ance			Fire damage:		
2	<5% - comm	ion	Clearing (in	c. logging);			Storm damage:		
3	5 - 25%	1.04		inc. pasture):			Trampling:		
4	25 - 50%		Soll erosion				Flood damage:		
5	50 - 75%		Firewood or	ection:			Feral herbivores		
6	75 - 100%		Stock grazin				Other:		

_	JAC		3	10		V/		d/
ate	Form - BioBank	ing 216		Site ID: P 13	1	Vegetation zone: 1	vellad	
aypoint ID	414 20			Surveyor(s): Photo numbers	2.492	2493	2494	tuas
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lope: Gentlo:		Aspect (deg	rees or cardin	nall Hat	Condition: Altitude:	qm	Low	Mag-ggda
opography:	crest, ridge, upper slope	e, mid slope, de	own slope, gul	ly, flat, depression, y	aterpourse, escarpment	Contraction of the second s	1	
		_			, limestorie, metamorph			
	d, loam, clay, drganic, g growth (uncleared):	Yes / No / Up		50ll disturbance	inlact, topsoil removed,	101		
	the second s	Lettad	_	Ecologically Domi	nant Layer (EDL) - most	biomass = Are	& tays	4
Strata	Height interval	Median	Est. cover	Dominant Species	& Dominance	9	-	
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E	10-15m	104	51.		0			
_	1.0	1	-		1.1			
Τ1							/	
Т2						/		
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T3								4
			/					1
S1		/	-					1
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				Turces	20			
G	9 ·2·Sr	Im	98%	Typha,	Persian	decipie	R. Garanil	1.7
	Tree height (clino) level	ground or lop of	of slope = dista	nce from tree x (top%	+ bollom%)	27100		(CPS)
	Tree height (clino) from	bottom of slope	e = dislance fr	om Iree x (top% - bol	iom%)			
	d = dominant; c = co-de			and the second se				
					nid danse (50-80%); d = d	ense (80-100%)		
minance				AN CARACTERIA CONTRACTOR	000000000000000000000000000000000000000	100.000		
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minance timated cover aker & Hopkir	i = isolated (0.2-2%); v m height classes: 1-3m -	dwarf; 3-6m =			il; 20-35m = very tail; >35	이 이상 있는 것을 것을 하는 것이 없다.		
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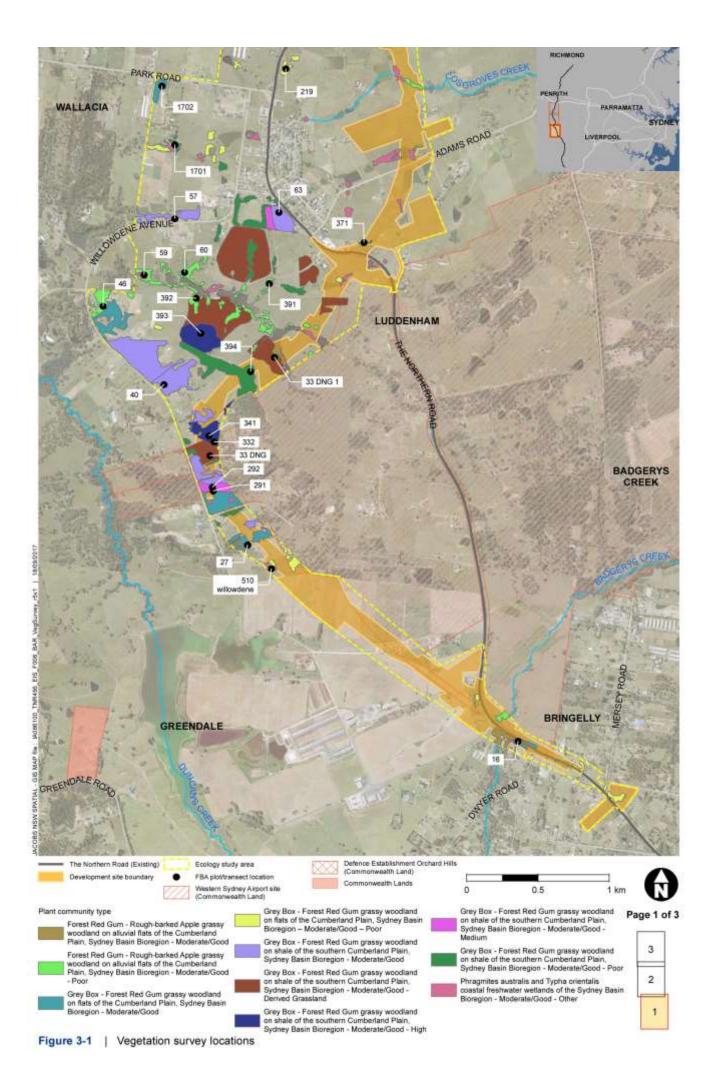
Site ID: P13 wetland	10	Taburd	Consist		1	Cover	Abund.
Species	Cover	Abund.	Species			Cover	Abund.
tincus acutus	6	100	41				-
Coryza banalansis	2	30	42				
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Araylia societion	1		90				_
cospana glanca	- Z.	1	51				_
Halpragis	- 2	20+	52				
arsino ulgoe	2	zat	\$3				
Bidus pilasa	1	1	54				-
fallara falcala	TI	12	\$5				
Malida cardina	1		16				-
Alternation dedicitation		201	57				_
lestella miatica	- 2	50	58				-
Cyclosommen leptophyllin	1	201	59				_
Aster estulation	2	201	60				
	-2	Bot	61				-
tpilobin willadiam	+ /	Z	62				_
Sanchuse devacuos		11.	63				-
Valara boranisis	1	4	04				
oxalis percenans.	-	/	66				
Theolin reports	-		66				_
Anagallis amensis	1	1,1	67				
· Gpienus eragiostic		110	en.				_
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2 /		-	12				_
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d	-						_
5	-	-	1/2				_
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<i>a</i>	-	-	78				-
	-		79				-
9	-	-	80				_
sp. Richness Native Exotic	Groundland	er % 1x1 plots	Q1.	02	Q3	Q4	Q5
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Strass (annual)	Native forb				-		-
	Native shrut		-				-
Grass (perennial)	Exotic grass		10		-		
Other (annual)	Exolic forb &		200				
Other (perennial)	Leaf & stick		2				
	Rocks	1.5001		-			
	Bare ground	1	-				
Count shundhings assis	Cryptogams			1			
Cover abundance scale	The Appropriate		1	100 1	00 100		100
Modified Braun-blanquet 6 scale	the second second second second				100		0.43
Modified Braun-blanquet 6 scale	Total	-			Fire damana		
Modified Braun-Dianquet 6 scale 1 <5% - rare	Total Plot Disturb				Fire damage: Storm damage:	-	
Modified Braun-Manquet 6 scale 1 <5% - rare 2 <5% - common	Total Plot Disturb Clearing (in	c. logging):			Storm damage:	1	
Modified Braun-Dianquet 6 scale 1 <5% - rare 2 <5% - common 3 5 - 25%	Total Plot Disturb Clearing (in Cultivation (c. logging): (inc. pesture):			Storm damage: Trampling:	-	
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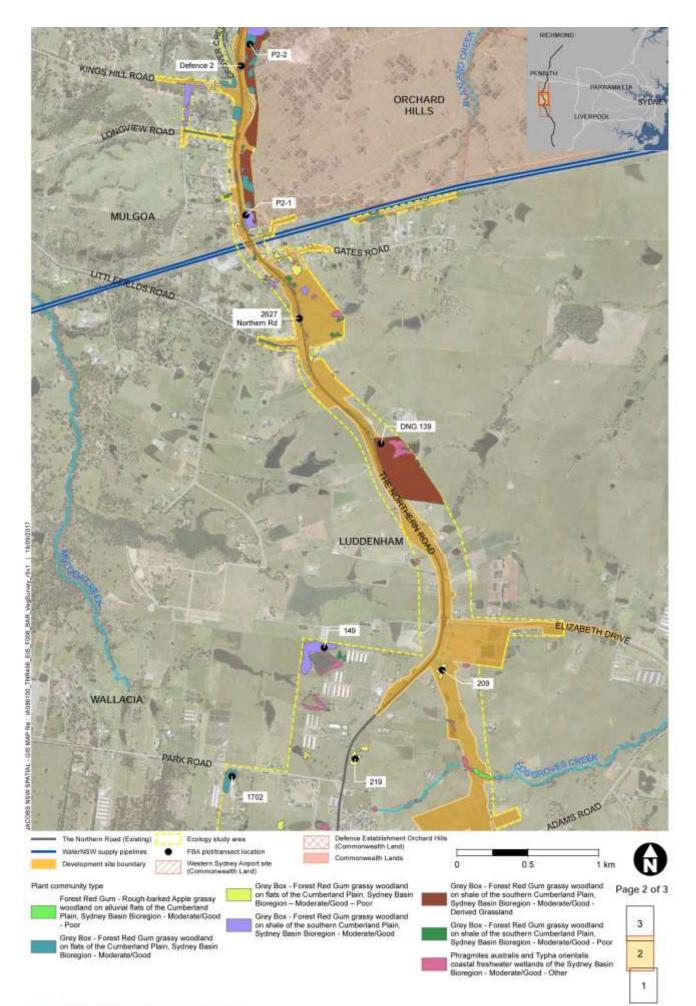


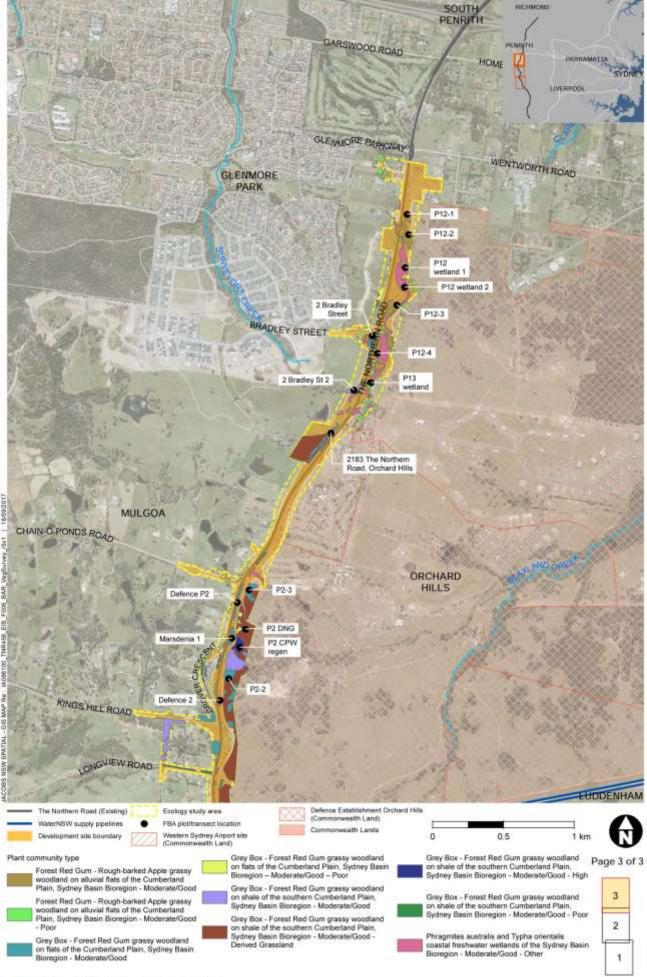


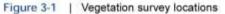
TECHNICAL MEMO – Biodiversity

Appendix B – Revised Figure 3.1 of the BAR











Appendix C – Habitat assessment for threatened fauna species

Habitat assessment table for threatened fauna s	pecies identified from the BioBanking credit calculator and PMST

Common Name (Scientific Name)	TSC Act	EPBC Act	Habitat requirements	Number of records (source)	Likelihood of occurrence	Ecosystem or species credit species?
Australian Painted Snipe (<i>Rostratula australis</i>)	V	E	The Australian Painted Snipe is restricted to Australia. Most records are from the south east, particularly the Murray Darling Basin, with scattered records across northern Australia and historical records from around the Perth region in Western Australia. In NSW many records are from the Murray-Darling Basin including the Paroo wetlands, Lake Cowal, Macquarie Marshes, Fivebough Swamp and more recently, swamps near Balldale and Wanganella. Other important locations with recent records include wetlands on the Hawkesbury River and the Clarence and lower Hunter Valleys. Prefers fringes of swamps, dams and nearby marshy areas where there is a cover of grasses, lignum, low scrub or open timber.	1 – OEH Atlas Predicted by BioBank Calculator PMST	Low. Occurs in permanent creeks, vegetated swamps particularly with dense riparian habitat, very few records in the locality, although secretive species. Targeted and not recorded.	Ecosystem
Australasian Bittern (<i>Botaurus</i> <i>poiciloptilus</i>)	E	E	Australasian Bitterns are widespread but uncommon over south-eastern Australia. In NSW they may be found over most of the state except for the far north-west. Favours permanent freshwater wetlands with tall, dense vegetation, particularly bullrushes (<i>Typha</i> spp.) and spikerushes (<i>Eleocharis</i> spp.).	1 – OEH Atlas Predicted by BioBank Calculator PMST	Low. Occurs in permanent creeks, rivers and swamps particularly with dense riparian habitat and emergent vegetation. Very few records in the locality although secretive. This species may occur in dams along drainage lines and adjacent waterways particularly where <i>Phragmites australis</i> and <i>Typha orientalis</i> occur, and is associated with PCT835. Recent records of this species exist from Oran Park from 2011.	Species



Common Name (Scientific Name)	TSC Act	EPBC Act	Habitat requirements	Number of records (source)	Likelihood of occurrence	Ecosystem or species credit species?
Australian Grayling (<i>Prototroctes</i> <i>maraena</i>)	E (FM Act)	V	The Australian Grayling is diadromous, spending part of its lifecycle in freshwater and at least part of the larval and/or juvenile stages in coastal seas. Adults (including pre spawning and spawning adults) inhabit cool, clear, freshwater streams with gravel substrate and areas alternating between pools and riffle zones such as the Tambo River, which is also known to have granite outcrops. The species has also been associated with clear, gravel-bottomed habitats in the Mitchell and Wonnangatta Rivers (Victoria) and in a muddy- bottomed, heavily silted habitat in the Tarwin River (Victoria). The species has been found over 100 km upstream from the sea.	PMST	Low. No suitable habitat is present.	-
Barking Owl (<i>Ninox connivens</i>)	V	-	Inhabits woodland and open forest, including fragmented remnants and partly cleared farmland. It is flexible in its habitat use, and hunting can extend in to closed forest and more open areas. Sometimes able to successfully breed along timbered watercourses in heavily cleared habitats (e.g. western NSW) due to the higher density of prey on these fertile soils.	37 – OEH Atlas Predicted by BioBank Calculator	Moderate. Nearest record in locality is from Mulgoa Creek opposite the Golf Course from 2002. May forage in the study area.	Ecosystem



Common Name (Scientific Name)	TSC Act	EPBC Act	Habitat requirements	Number of records (source)	Likelihood of occurrence	Ecosystem or species credit species?
Black Bittern (<i>Ixobrychus</i> <i>flavicollis</i>)	V	-	The Black Bittern has a wide distribution, from southern NSW north to Cape York and along the north coast to the Kimberley region. The species also occurs in the south-west of Western Australia. In NSW, records of the species are scattered along the east coast, with individuals rarely being recorded south of Sydney or inland. Inhabits both terrestrial and estuarine wetlands, generally in areas of permanent water and dense vegetation. Where permanent water is present, the species may occur in flooded grassland, forest, woodland, rainforest and mangroves.	2 – OEH Atlas Predicted by BioBank Calculator	Low. Occurs in permanent creeks, vegetated swamps particularly with dense riparian habitat, very few records in the locality, although secretive species. Targeted during bird surveys.	Species
Black-chinned Honeyeater (eastern subspecies) (<i>Melithreptus gularis</i> <i>subsp. gularis</i>)	V	-	In NSW it is widespread, with records from the tablelands and western slopes of the Great Dividing Range to the north-west and central-west plains and the Riverina. It is rarely recorded east of the Great Dividing Range. Occupies mostly upper levels of drier open forests or woodlands.	1 – OEH Atlas Predicted by BioBank Calculator	Moderate. This species was recently recorded on private property off Tyson Rd Greendale in 2013. While likely to only rarely occur in the study area there is a possibility that this species does occur based on the habitat that is present.	Ecosystem
Black-tailed Godwit (<i>Limosa limosa</i>)	V	М	The Black-tailed Godwit is a migratory wading bird. Primarily a coastal species. Usually found in sheltered bays, estuaries and lagoons with large intertidal mudflats and/or sandflats. Further inland, it can also be found on mudflats and in water less than 10 cm deep, around muddy lakes and swamps.	1 – OEH Atlas Predicted by BioBank Calculator	Low. The wetlands (farm dams) in the study area are not considered likely to provide suitable habitat for this species.	Ecosystem



Common Name (Scientific Name)	TSC Act	EPBC Act	Habitat requirements	Number of records (source)	Likelihood of occurrence	Ecosystem or species credit species?
Broad-headed Snake (Hoplocephalus bungaroides)	V	v	Shelters in rock crevices and under flat sandstone rocks on exposed cliff edges during autumn, winter and spring. Moves from the sandstone rocks to shelters in hollows in large trees within 200 m of escarpments in summer.	0 – OEH Atlas PMST	None. This species does not occur in the study area. No habitat is present.	Ecosystem and Species
Brown Treecreeper (eastern subspecies) (<i>Climacteris</i> <i>picumnus subsp.</i> <i>victoriae</i>)	V	-	The Brown Treecreeper is endemic to eastern Australia and occurs in eucalypt forests and woodlands of inland plains and slopes of the Great Dividing Range. It is less commonly found on coastal plains and ranges. Found in eucalypt woodlands (including Box-Gum Woodland) and dry open forest of the inland slopes and plains inland of the Great Dividing Range; mainly inhabits woodlands dominated by stringybarks or other rough-barked eucalypts, usually with an open grassy understorey.	0 – OEH Atlas Predicted by BioBank Calculator	Low. This species has not been recorded from the Cumberland Plain within the locality. The closest records are to the west at the edges of Lake Burragorang. This species is considered unlikely to occur in the study area.	Ecosystem
Brush-tailed Rock- wallaby (<i>Petrogale</i> <i>penicillata</i>)	E	V	Range extends from south-east Queensland to the Grampians in western Victoria, roughly following the line of the Great Dividing Range. Occupy rocky escarpments, outcrops and cliffs with a preference for complex structures with fissures, caves and ledges, often facing north. Browse on vegetation in and adjacent to rocky areas eating grasses and forbs as well as the foliage and fruits of shrubs and trees.	2 – OEH Atlas PMST	None. This species does not occur in the study area. No habitat is present.	Species



Common Name (Scientific Name)	TSC Act	EPBC Act	Habitat requirements	Number of records (source)	Likelihood of occurrence	Ecosystem or species credit species?
Bush Stone-curlew (<i>Burhinus grallarius</i>)	E	-	The Bush Stone-curlew is found throughout Australia except for the central southern coast and inland, the far south-east corner, and Tasmania. Only in northern Australia is it still common however and in the south-east it is either rare or extinct throughout its former range. Inhabits open forests and woodlands with a sparse grassy ground layer and fallen timber.	2 – OEH Atlas Predicted by BioBank Calculator	Low. Two birds previously existed on the Defence Establishment Orchard Hills but have not been seen recently. Records exist from Prestons and Carne's Hill (last recorded in 1950). The species is considered unlikely to occur in the study area due to predation pressure and habitat modification.	Ecosystem
Comb-crested Jacana (<i>Irediparra</i> <i>gallinacea</i>)	V	-	The Comb-crested Jacana occurs on freshwater wetlands in northern and eastern Australia, mainly in coastal and subcoastal regions, from the north- eastern Kimberley Division of Western Australia to Cape York Peninsula then south along the east coast to the Hunter region of NSW, with stragglers recorded in south-eastern NSW (possibly in response to unfavourable conditions further north). Inhabits permanent freshwater wetlands, either still or slow-flowing, with a good surface cover of floating vegetation, especially water-lilies, or fringing and aquatic vegetation.	0 – OEH Atlas Predicted by BioBank Calculator	Low. This species is not known form the locality or study area. Any birds that may occur in the study area would be vagrants. The study area is not in the natural range of this species.	Species
Cumberland Plain Land Snail (<i>Meridolum</i> <i>corneovirens</i>)	E	-	Lives in small areas on the Cumberland Plain west of Sydney, from Richmond and Windsor south to Picton and from Liverpool west to the Hawkesbury and Nepean Rivers at the base of the Blue Mountains. Known from over 100 different locations, but not all are currently occupied, and they are usually isolated from each other as a result of land use patterns. Primarily inhabits Cumberland Plain Woodland (a critically endangered ecological community). This community is a grassy, open woodland with occasional dense patches of shrubs. It is also	200 – OEH Atlas Predicted by BioBank Calculator	Present Numerous records in the locality, occurs in natural and disturbed woodland of varying patch size. Targeted during the fauna surveys.	Species



Common Name (Scientific Name)	TSC Act	EPBC Act	Habitat requirements	Number of records (source)	Likelihood of occurrence	Ecosystem or species credit species?
			known from Shale Gravel Transition Forests, Castlereagh Swamp Woodlands and the margins of River-flat Eucalypt Forest, which are also listed communities.			
Diamond Firetail (<i>Stagonopleura guttata</i>)	V	-	Not commonly found in coastal districts, though there are records from near Sydney, the Hunter Valley and the Bega Valley. This species has a scattered distribution over the rest of NSW, though is very rare west of the Darling River. Found in grassy eucalypt woodlands, including Box-Gum Woodlands and Snow Gum Woodlands.	1 – OEH Atlas Predicted by BioBank Calculator	Moderate. This species was recorded from the Defence Establishment Orchard Hills in 2006. It was recorded at 'Twin Creeks' Luddenham in 2012. Also recorded near Wallacia in 1990 on the Golf Course. Considered unlikely to be common but a small population may occur in the study area.	Ecosystem
Dural Land Snail (<i>Pommerhelix</i> <i>duralensis</i>)	-	E	The Dural land snail is endemic to New South Wales. The species is a shale-influenced habitat specialist, which occurs in low densities along the northwest fringe of the Cumberland Plain on shale- sandstone transitional landscapes. The species has been observed resting in exposed areas, such as on exposed rock or leaf litter, however it will also shelter beneath leaves, rocks and light woody debris.	0 – OEH Atlas PMST	None. Study area is habitat for Cumberland Plain Land Snail.	Species
Eastern Bentwing- bat (<i>Miniopterus</i> <i>schreibersii</i> <i>oceanensis</i>)	V	-	Eastern Bentwing-bats occur along the east and north-west coasts of Australia. Caves are the primary roosting habitat, but also use derelict mines, storm-water tunnels, buildings and other man-made structures.	46 – OEH Atlas Not predicted by BioBank Calculator	Present. This species was recorded on Anabat during the field survey.	Ecosystem and Species



Common Name (Scientific Name)	TSC Act	EPBC Act	Habitat requirements	Number of records (source)	Likelihood of occurrence	Ecosystem or species credit species?
Eastern False Pipistrelle (<i>Falsistrellus</i> <i>tasmaniensis</i>)	V	-	The Eastern False Pipistrelle is found on the south- east coast and ranges of Australia, from southern Queensland to Victoria and Tasmania. Prefers moist habitats, with trees taller than 20 m	5 – OEH Atlas Predicted by BioBank Calculator	Present. This species was recorded on Anabat during the field survey.	Ecosystem
Eastern Freetail-bat (<i>Mormopterus</i> <i>norfolkensis</i>)	V	-	The Eastern Freetail-bat is found along the east coast from south Queensland to southern NSW. Occur in dry sclerophyll forest, woodland, swamp forests and mangrove forests east of the Great Dividing Range.	34 – OEH Atlas Predicted by BioBank Calculator	Present. This species was recorded on Anabat during the field survey.	Ecosystem
Eastern Pygmy Possum (<i>Cercartetus nanus</i>)	V	-	Found in a broad range of habitats from rainforest through to wet and dry sclerophyll forest and woodland to heath, but in most areas woodlands and heath appear to be preferred.	1 – OEH Atlas Predicted by BioBank Calculator	Low. May occur in a diversity of forest types depending on distribution, typically in dry sclerophyll forest in coastal areas, with heathy understorey or dry and wet heath. Found in wet forest and rainforest in northern NSW. Not expected in the dry fragmented woodland habitat in the study area.	Species
Flame Robin (<i>Petroica phoenicea</i>)	V	-	The Flame Robin is endemic to south eastern Australia, and ranges from near the Queensland border to south east South Australia and also in Tasmania. In NSW, it breeds in upland areas and in winter, many birds move to the inland slopes and plains.	6 – OEH Atlas Predicted by BioBank Calculator	Moderate. Three records of the Flame Robin exist in Mulgoa Nature Reserve from 2001 and 2002. This species may utilise habitat in the study area on occasion in winter as birds move down onto the Cumberland Plain in winter.	Ecosystem



Common Name (Scientific Name)	TSC Act	EPBC Act	Habitat requirements	Number of records (source)	Likelihood of occurrence	Ecosystem or species credit species?
Freckled Duck (<i>Stictonetta naevosa</i>)	V	-	Prefer permanent freshwater swamps and creeks with heavy growth of Cumbungi, Lignum or Tea- tree. During drier times they move from ephemeral breeding swamps to more permanent waters such as lakes, reservoirs, farm dams and sewage ponds.	0 – OEH Atlas Predicted by BioBank Calculator	Low. Records of this species in the locality are from Penrith Lakes form the 1980s. The dams in the study area are not considered optimal for this species.	Ecosystem
Gang-gang Cockatoo (Callocephalon fimbriatum)	V	-	The Gang-gang Cockatoo is distributed from southern Victoria through south- and central- eastern New South Wales. In New South Wales, the Gang-gang Cockatoo is distributed from the south-east coast to the Hunter region, and inland to the Central Tablelands and south-west slopes. In summer, occupies tall montane forests and woodlands, particularly in heavily timbered and mature wet sclerophyll forests. Also occur in subalpine Snow Gum woodland and occasionally in temperate or regenerating forest. In winter, occurs at lower altitudes in drier, more open eucalypt forests and woodlands, particularly in box ironbark assemblages, or in dry forest in coastal areas.	17 – OEH Atlas Predicted by BioBank Calculator	Moderate. Inhabits the forests of the lower Blue Mountains to the west of the study area and in winter will move down into the western areas of the Cumberland Plain. Records exist at Mulgoa from December 2015.	Ecosystem
Gang-gang Cockatoo population, Hornsby and Ku-ring-gai Local Government Areas	EP	-	In summer, occupies tall montane forests and woodlands, particularly in heavily timbered and mature wet sclerophyll forests. Also occur in subalpine Snow Gum woodland and occasionally in temperate or regenerating forest. In winter, occurs at lower altitudes in drier, more open eucalypt forests and woodlands, particularly in box ironbark assemblages, or in dry forest in coastal areas. It requires tree hollows in which to breed.	0 – OEH Atlas Predicted by BioBank Calculator	None. The study area is not in the Ku-ring-gai or Hornsby LGA	Species



Common Name (Scientific Name)	TSC Act	EPBC Act	Habitat requirements	Number of records (source)	Likelihood of occurrence	Ecosystem or species credit species?
Giant Burrowing Frog (<i>Heleioporus</i> <i>australiacus</i>)	V	V	Found in heath, woodland and open dry sclerophyll forest on a variety of soil types except those that are clay based. Spends more than 95 per cent of its time in non-breeding habitat in areas up to 300 m from breeding sites. Whilst in non-breeding habitat it burrows below the soil surface or in the leaf litter. Individual frogs occupy a series of burrow sites, some of which are used repeatedly. The home ranges of both sexes appear to be non- overlapping suggesting exclusivity of non-breeding habitat. Home ranges are about 0.04 hectares in size. Requires ephemeral and permanent freshwater wetlands, ponds, dams with an open aspect and fringed by Typha and other aquatics, free from predatory fish.	5 – OEH Atlas PMST	Low. No suitable habitat is present.	Species
Greater Broad-nosed Bat (<i>Scoteanax</i> <i>rueppellii</i>)	V	-	The Greater Broad-nosed Bat is found mainly in the gullies and river systems that drain the Great Dividing Range, from north-eastern Victoria to the Atherton Tableland. It extends to the coast over much of its range. In NSW it is widespread on the New England Tablelands, however does not occur at altitudes above 500 m.	17 – OEH Atlas Predicted by BioBank Calculator	Moderate. Records of this species exist in Mulgoa Nature Reserve from 2004, 2013 and 2014. A record is also present at Wallacia from 1993. This species may utilise habitat in the study area.	Ecosystem



Common Name (Scientific Name)	TSC Act	EPBC Act	Habitat requirements	Number of records (source)	Likelihood of occurrence	Ecosystem or species credit species?
Green and Golden Bell Frog (<i>Litoria aurea</i>)	E	V	Since 1990 there have been about 50 recorded locations in NSW, most of which are small, coastal, or near coastal populations. These locations occur over the species' former range; however they are widely separated and isolated. Large populations in NSW are located around the metropolitan areas of Sydney, Shoalhaven and mid north coast (one an island population). There is only one known population on the NSW Southern Tablelands. Ephemeral and permanent freshwater wetlands, ponds, dams with an open aspect and fringed by <i>Typha</i> and other aquatics, free from predatory fish.	8 – OEH Atlas Predicted by BioBank Calculator PMST	Low. Records within 20 years within the study area, although no recent records. Occurs in a variety of ephemeral and permanent creek and pond habitats, typically with emergent vegetation. The abundance of farm dams along creek lines suggests potential habitat is present.	Species
Grey-headed Flying- fox (<i>Pteropus</i> <i>poliocephalus</i>)	V	V	Generally found within 200 km of the eastern coast of Australia, from Rockhampton in Queensland to Adelaide in South Australia. In times of natural resource shortages, they may be found in unusual locations. Occur in subtropical and temperate rainforests, tall sclerophyll forests and woodlands, heaths and swamps as well as urban gardens and cultivated fruit crops. Roosting camps are generally located within 20 km of a regular food source and are commonly found in gullies, close to water, in vegetation with a dense canopy. Individual camps may have tens of thousands of animals and are used for mating, and for giving birth and rearing young.	44 – OEH Atlas PMST Not predicted by BioBank Calculator	Recorded. Recorded in the study area during surveys.	Ecosystem and Species



Common Name (Scientific Name)	TSC Act	EPBC Act	Habitat requirements	Number of records (source)	Likelihood of occurrence	Ecosystem or species credit species?
Hooded Robin (south-eastern form) (<i>Melanodryas</i> <i>cucullata</i> subsp. <i>cucullata</i>)	V	-	The Hooded Robin is widespread, found across Australia, except for the driest deserts and the wetter coastal areas - northern and eastern coastal Queensland and Tasmania. However, it is common in few places, and rarely found on the coast. Prefers lightly wooded country, usually open eucalypt woodland, acacia scrub and mallee, often in or near clearings or open areas. Requires structurally diverse habitats featuring mature eucalypts, saplings, some small shrubs and a ground layer of moderately tall native grasses.	3 – OEH Atlas Predicted by BioBank Calculator	Low. A record of this species exists at Mulgoa from 2004. Two records also exist at Greendale from 1990. 1995 and 1996. No records of this species have been made in the locality in the last 12 years. This species is considered to have a low likelihood of occurring in the study area.	Ecosystem
Koala (Phascolarctos cinereus)	V	V	In NSW it mainly occurs on the central and north coasts with some populations in the west of the Great Dividing Range. Inhabit eucalypt woodlands and forests. Feed on the foliage of more than 70 eucalypt species and 30 non-eucalypt species, but in any one area will select preferred browse species.	20 – OEH Atlas Predicted by BioBank Calculator	Low. The Koala is considered to have a very low chance of occurring and there is only one historic record from the study area in 1999 from west of Mulgoa Nature Reserve near the Warragamba River around 8 km from the study area.	Species
Large-eared Pied Bat (<i>Chalinolobus</i> <i>dwyeri</i>)	V	V	Forages over a broad range of open forest and woodland habitats, this species is a cave roosting bat which favours sandstone escarpment habitats for roosting, in the form of shallow overhangs, crevices and caves.	9 – OEH Atlas PMST	Moderate. May forage in the study area. Records exist nearby in Mulgoa Nature Reserve.	Ecosystem and Species
Little Eagle (<i>Hieraaetus</i> <i>morphnoides</i>)	V	-	Occupies open eucalypt forest, woodland or open woodland. Sheoak or acacia woodlands and riparian woodlands of interior NSW are also used.	4 – OEH Atlas Predicted by BioBank Calculator	Moderate. This species is likely to fly over the study area and may roost in trees.	Ecosystem



Common Name (Scientific Name)	TSC Act	EPBC Act	Habitat requirements	Number of records (source)	Likelihood of occurrence	Ecosystem or species credit species?
Little Lorikeet (<i>Glossopsitta pusilla</i>)	V	-	Forages primarily in the canopy of open Eucalyptus forest and woodland, yet also finds food in apples (Angophora sp.), paperbarks (Melaleuca sp.) and other tree species. Riparian habitats are particularly used, due to higher soil fertility and hence greater productivity. Isolated flowering trees in open country (e.g. paddocks, roadside remnants) and urban trees also help sustain viable populations of the species.	3 – OEH Atlas Predicted by BioBank Calculator	Moderate. While all records of this species are from the north, the study area provides some foraging resources and may contain potential nesting sites.	Ecosystem
Littlejohn's Tree Frog (<i>Litoria littlejohni</i>)	V	V	Distribution includes the plateaus and eastern slopes of the Great Dividing Range from Watagan State Forest (90 km north of Sydney) south to Buchan in Victoria. This species breeds in the upper reaches of permanent streams and in perched swamps. Non-breeding habitat is heath based forests and woodlands where it shelters under leaf litter and low vegetation, and hunts for invertebrate prey either in shrubs or on the ground.	0 – OEH Atlas PMST	Low. No suitable habitat is present.	Species
Macquarie Perch (<i>Macquaria</i> <i>australasica</i>)	E (FM Act)	E	The Macquarie Perch is a riverine, schooling species. It prefers clear water and deep, rocky holes with lots of cover. As well as aquatic vegetation, additional cover may comprise of large boulders, debris and overhanging banks. Spawning occurs just above riffles (shallow running water). Populations may survive in impoundments if able to access suitable spawning sites.	PMST	Low. No suitable habitat is present.	-
Masked Owl (<i>Tyto novaehollandiae</i>)	V	-	Dry eucalypt forests and woodland, typically prefers open forest with low shrub density. Requires old trees for roosting and nesting.	12 – OEH Atlas Predicted by BioBank Calculator	Moderate. Known from the Mulgoa Nature Reserve and may utilise habitat in the study area for foraging.	Ecosystem



Common Name (Scientific Name)	TSC Act	EPBC Act	Habitat requirements	Number of records (source)	Likelihood of occurrence	Ecosystem or species credit species?
New Holland Mouse (Pseudomys novaehollandiae)	-	V	Distribution is fragmented across all eastern states of Australia, where it inhabits open heath lands, open woodlands with heath understorey and vegetated sand dunes.	0 – OEH Atlas PMST	Low. No suitable habitat is present.	NA
Painted Honeyeater (<i>Grantiella picta</i>)	V	V	The Painted Honeyeater is nomadic and occurs at low densities throughout its range. The greatest concentrations of the bird and almost all breeding occur on the inland slopes of the Great Dividing Range in NSW, Victoria and southern Queensland. During the winter it is more likely to be found in the north of its distribution. Inhabits Boree/ Weeping Myall (<i>Acacia pendula</i>), Brigalow (<i>A. harpophylla</i>) and Box-Gum Woodlands and Box-Ironbark Forests. A specialist feeder on the fruits of mistletoes growing on woodland eucalypts and acacias. Prefers mistletoes of the genus <i>Amyema</i> .	0 – OEH Atlas PMST Predicted by BioBank Calculator	Low. This species has complex movement patters and is most likely to be detected in and around the study area when mistletoes are in fruit. Lack of records in locality suggests this species is unlikely to occur.	Ecosystem
Powerful Owl (<i>Ninox strenua</i>)	v	-	Open forests with dense wet gullies and creek areas, requires large mature trees with hollows for breeding and dense areas of vegetation for prey and roosting.	37 – OEH Atlas Predicted by BioBank Calculator	Moderate. Known from the Mulgoa Nature Reserve and may utilise habitat in the study area for foraging.	Ecosystem



Common Name (Scientific Name)	TSC Act	EPBC Act	Habitat requirements	Number of records (source)	Likelihood of occurrence	Ecosystem or species credit species?
Regent Honeyeater (Anthochaera phrygia)	E	CE	Temperate woodlands and open forests of the inland slopes of south-east Australia. The species inhabits dry open forest and woodland, particularly Box-Ironbark woodland, and riparian forests of River Sheoak. Regent Honeyeaters usually nest in horizontal branches or forks in tall mature eucalypts and Sheoaks.	6 – OEH Atlas Predicted by BioBank Calculator PMST	Moderate. Records are associated with PCT835, PCT849 and PCT850 and small fragments of higher quality shale hills woodland may be utilised by this species. This species has complex movement patters and is most likely to be detected in and around the study area in late autumn to early spring (Department of Environment Water Heritage and the Arts 2010b).	Species
Scarlet Robin (<i>Petroica boodang</i>)	V	-	The Scarlet Robin lives in dry eucalypt forests and woodlands. The understorey is usually open and grassy with few scattered shrubs. This species lives in both mature and re-growth vegetation. It occasionally occurs in mallee or wet forest communities, or in wetlands and tea-tree swamps	3 – OEH Atlas Predicted by BioBank Calculator	Moderate. This species may utilise habitat in the study area on occasion in winter as birds move down onto the Cumberland Plain in winter.	Ecosystem
Speckled Warbler (Chthonicola sagittatus)	V	-	The Speckled Warbler lives in a wide range of Eucalyptus dominated communities that have a grassy understorey, often on rocky ridges or in gullies. Typical habitat would include scattered native tussock grasses, a sparse shrub layer, some eucalypt re-growth and an open canopy. Large, relatively undisturbed remnants are required for the species to persist in an area.	18 – OEH Atlas Predicted by BioBank Calculator	Moderate. The Speckled Warbler has been regularly recorded from the Defence Establishment Orchard Hills. May utilise habitat in the study area.	Ecosystem
Spotted Harrier (Circus assimilis)	V	-	Occurs throughout the Australian mainland and disperses into NSW as one single population. It occurs on grassy open woodland, inland riparian woodlands, grasslands and shrub steppe.	0 – OEH Atlas Predicted by BioBank Calculator	Moderate. This species may utilise habitat in the study area on occasion. Foraging habitat present in grasslands and open areas.	Ecosystem



Common Name (Scientific Name)	TSC Act	EPBC Act	Habitat requirements	Number of records (source)	Likelihood of occurrence	Ecosystem or species credit species?
Spotted-tailed Quoll (<i>Dasyurus</i> <i>maculatus</i>)	V	E	Wet and dry sclerophyll forests and rainforests, and adjacent open agricultural areas. Generally associated with large expansive areas of habitat to sustain territory size. Requires hollow-bearing trees, fallen logs, small caves, rock crevices, boulder fields and rocky-cliff faces as den sites.	12 – OEH Atlas PMST Predicted by BioBank Calculator	Low. The Spotted-tailed Quoll is considered to have a very low chance of occurring and there are few historic record from the locality.	Ecosystem
Square-tailed Kite (<i>Lophoictinia isura</i>)	v	-	It is widely distributed to the coastal and sub- coastal area of Australia. Migrates to NSW in September for breeding. Occurs in dry woodlands and open forests, and timbered watercourses.	8 – OEH Atlas Predicted by BioBank Calculator	Moderate. This species may utilise habitat in the study area on occasion. Foraging habitat present in woodlands.	Ecosystem
Squirrel Glider (<i>Petaurus</i> <i>norfolcensis</i>)	V	-	The species is widely though sparsely distributed in eastern Australia, from northern Queensland to western Victoria. Inhabits mature or old growth Box, Box-Ironbark woodlands and River Red Gum forest west of the Great Dividing Range and Blackbutt-Bloodwood forest with heath understorey in coastal areas. Prefers mixed species stands with a shrub or Acacia midstorey.	0 – OEH Atlas Predicted by BioBank Calculator	Low The Squirrel Glider is considered to have a low chance of occurring. Searches of the OEH Atlas shows a lack of records in the study area and the species was absent from two comprehensive targeted fauna surveys conducted in the Defence Establishment Orchard Hills on the Northern Road (AMBS 2003; SKM 2011).	Species
Stuttering Frog (<i>Mixophyes balbus</i>)	v	E	Occur along the east coast of Australia from southern Queensland to north-eastern Victoria. Found in rainforest and wet, tall open forest in the foothills and escarpment on the eastern side of the Great Dividing Range. Outside the breeding season adults live in deep leaf litter and thick understorey vegetation on the forest floor.	0 – OEH Atlas PMST	Low. No suitable habitat is present.	Species



Common Name (Scientific Name)	TSC Act	EPBC Act	Habitat requirements	Number of records (source)	Likelihood of occurrence	Ecosystem or species credit species?
Swift Parrot (<i>Lathamus discolor</i>)	E	CE	On the mainland they occur in areas where eucalypts are flowering profusely or where there are abundant lerp (from sap-sucking bugs) infestations. Favoured feed trees include winter flowering species such as Swamp Mahogany, Spotted Gum, Red Bloodwood, Red Ironbark, and White Box.	13 – OEH Atlas PMST Predicted by BioBank Calculator	Moderate. Records are associated with PCT835, PCT849 and PCT850 and small fragments of higher quality shale hills woodland may be utilised by this species. This species has complex movement patters and is most likely to be detected in and around the study area in winter.	Ecosystem
Turquoise Parrot (<i>Neophema pulchella</i>)	v	-	Lives on the edges of eucalypt woodland adjoining clearings, timbered ridges and creeks in farmland.	1 – OEH Atlas Predicted by BioBank Calculator	Low. Not known form the locality and considered unlikely to occur in western Sydney.	Ecosystem
Varied Sittella (Daphoenositta chrysoptera)	v	-	Inhabits eucalypt forests and woodlands, especially those containing rough-barked species and mature smooth-barked gums with dead branches, mallee and acacia woodland.	40 – OEH Atlas Predicted by BioBank Calculator	Moderate. Likely to use habitats throughout the study area	Ecosystem



Common Name (Scientific Name)	TSC Act	EPBC Act	Habitat requirements	Number of records (source)	Likelihood of occurrence	Ecosystem or species credit species?
White-fronted Chat (<i>Epthianura</i> <i>albifrons</i>)	V	-	The White-fronted Chat is found across the southern half of Australia, from southernmost Queensland to southern Tasmania, and across to Western Australia as far north as Carnarvon. Found mostly in temperate to arid climates and very rarely sub-tropical areas, it occupies foothills and lowlands up to 1000 m above sea level. In NSW, it occurs mostly in the southern half of the state, in damp open habitats along the coast, and near waterways in the western part of the state. Along the coastline, it is found predominantly in saltmarsh vegetation but also in open grasslands and sometimes in low shrubs bordering wetland areas.	0 – OEH Atlas Predicted by BioBank Calculator	Low. Not known from the locality and considered unlikely to occur based on absence of suitable habitat.	Ecosystem
Yellow-bellied Sheathtail-bat (<i>Saccolaimus</i> <i>flaviventris</i>)	V	-	Forages in most habitats across its very wide range, with and without trees; appears to defend an aerial territory. Roost in tree hollows and buildings.	3 – OEH Atlas Predicted by BioBank Calculator	Moderate. May utilise habitats in the study area.	Ecosystem





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